

**PROBYN LOG LTD.**



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**FOREST STEWARDSHIP PLAN**

**FOR**

**FOREST LICENSE (FL) A75657**

**NON-REPLACEABLE FOREST LICENCE (NRFL) A79507**

**NON-REPLACEABLE FOREST LICENCE (NRFL) A96396**

**NON-REPLACEABLE FOREST LICENSE (NRFL) A81096**

**NON-REPLACEABLE FOREST LICENSE (NRFL) A96967**

**NON-REPLACEABLE FOREST LICENSE (NRFL) AXXXX – UNISSUED**

Chilliwack Natural Resource District / Fraser TSA

Prepared By



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## TABLE OF CONTENTS

Disclaimer	3
1.0 Introduction	4
1.1 Definitions and Abbreviations	4
1.2 Forest Stewardship Plan	5
1.3 Forest Development Units	6
1.4 Professional Reliance and Accountability	7
1.5 Forest Development Plan Blocks and Declared Areas	7
1.6 Site Plans and Standard Units	7
1.7 Stocking Standards	7
1.8 Cumulative Effect of Multiple and Overlapping Forest Stewardship Plans	9
1.9 Notice of Review and Comment	9
1.10 Section 14(3) Orders and Dates	10
2.0 Forest Resource Management Objectives, Results, Strategies and Measures	12
2.1 Higher Level Plans	12
2.1.1 Anderson Landscape Unit	13
2.1.2 Big Silver Landscape Unit	13
2.1.3 Chehalis Landscape Unit	14
2.1.4 Chilliwack Landscape Unit	14
2.1.5 Coquihalla Landscape Unit	14
2.1.6 East Harrison Landscape Unit	15
2.1.7 Fraser Valley South Landscape Unit	15
2.1.8 Hatzic Landscape Unit	15
2.1.9 Manning Landscape Unit	16
2.1.10 Silverhope Landscape Unit	16
2.1.11 Spuzzum Landscape Unit	16
2.1.12 Stave Landscape Unit	17
2.1.13 Tretheway Landscape Unit	17
2.1.14 West Harrison Landscape Unit	17
2.1.15 Yale Landscape Unit	18
2.2 Objectives Set by Government	18
2.2.1 Soils	19
2.2.2 Timber	19
2.2.3 Wildlife	20
2.2.3.1 Pacific Giant Salamander	21
2.2.3.2 Grizzly Bear	21
2.2.3.3 Pacific Water Shrew	21
2.2.3.4 Tall Bugbane	22
2.2.3.5 Pacific Tailed Frog	22
2.2.3.6 Spotted Owl	22

2.2.3.7 Northern Goshawk	23
2.2.3.8 Marbled Murrelet	23
2.2.3.9 Survival of Regionally Important Wildlife	25
2.2.3.10 Mountain Goat	25
2.2.3.11 Black-Tailed & Mule Deer	25
2.2.4 Water, Fish, Wildlife and Biodiversity within Riparian Areas	25
2.2.5 Fish Habitat in Fisheries Sensitive Watersheds	27
2.2.6 Water in a Community Watershed	28
2.2.7 Wildlife and Biodiversity – Landscape Level	29
2.2.8 Wildlife and Biodiversity – Stand Level	30
2.2.9 Visual Quality	32
2.2.10 Cultural Heritage Resources	34
2.3 Objectives in Addition to Those Set by Government	35
2.3.1 Prevention of the Introduction & Spread of Invasive Plants	35
2.3.2 Mitigating the Effect of Removing or Rendering Ineffective Natural Range Barriers	36
2.3.3 Recreation Resources and Features	37
2.3.4 Resource Features	38
3.0 Signatures	39
4.0 Appendices	41
Appendix 1 – FSP Maps	
Appendix 2 – Stocking Standards	
Appendix 3 – List of Active Cutting Permits (Active Road Permits on FSP Maps)	

## Disclaimer

This Forest Stewardship Plan (FSP) has been written and prepared by Probyn Log Ltd., the Yale First Nation, the Cheam First Nation, Seabird Island Forestry Limited Partnership (Seabird Island First Nation), and Skwo:wech Forestry Limited Partnership (Sq'ewlets First Nation) as forest tenure holders in accordance with the *Forest and Range Practices Act* and the associated regulatory framework. As such, this FSP's sole purpose is to illustrate how the Plan Holders will manage forest resources, which are subject to the Plan Holders' management, in accordance with the *Forest and Range Practices Act* and the Objectives Set by Government described within.

## 1.0 Introduction

This Forest Stewardship Plan (FSP) has been prepared to meet the legislative requirements outlined in the *Forest and Range Practices Act* (FRPA) and the *Forest Planning and Practices Regulation* (FPPR), as well as additional associated provincial and federal legislation.

Within this FSP, objectives, results, strategies, measures and/or comments have been presented and developed to describe and facilitate forest management objectives as expressed by the British Columbia Provincial Government.

The Plan Holders described in Forest Stewardship Plan are as follows:

- Probyn Log Ltd. is the holder of Forest License (FL) A75657.
- Yale First Nation is the holder of Non-Replaceable Forest License (NRFL) A79507.
- Cheam First Nation is the holder of Non-Replaceable Forest License (NRFL) A96396.
- Seabird Island Forestry Limited Partnership (Seabird Island First Nation) is the holder of Non-Replaceable Forest License (NRFL) A81096.
- Skwo:wech Forestry Limited Partnership (Sq'ewlets First Nation) is the holder of Non-Replaceable Forest License (NRFL) A96967.
- Seabird Island Forestry Limited Partnership (Seabird Island First Nation) is anticipated to be the holder of a yet to be issued Non-Replaceable Forest License (NRFL) AXXXX.

### 1.1 Definitions and Abbreviations in this FSP

**“Attributes”** means the attributes of an Affected Species specified in a Notice that relates to the Affected Species;

**“Burnt Timber”** means a tree or a stand of trees that displays evidence of surface or sub-surface damage from a fire event where mortality has occurred or can reasonably be expected or occur;

**“Commencement Date”** means the commencement date of the Term of this FSP;

**“DWR”** means Deer Winter Range;

**“FDU”** refers to a Forest Development Unit under this FSP;

**“FPC”** means the “Forest Practices Code of British Columbia Act” and “Code Regulations” as those terms are defined in subsection 177(1) of FRPA;

**“FPPR”** means the Forest Planning and Practices Regulation, B.C. Reg. 14/2004 made pursuant to FRPA, as that regulation existed on the Date of Submission;

**“FRPA”** means the Forest and Range Practices Act, S.B.C. 2002, c.69 as that legislation existed on the Date of Submission;

**“FSP”** means this Forest Stewardship Plan, including all tables, appendices and attachments;

**“FSP Map”** means the attached Maps - Forest Stewardship Plan covering the Chilliwack Natural Resource District;

**“GAR”** means the Government Action Regulation BC Reg. 582/2004, as amended from time to time;

**“GWR”** means Goat Winter Range;

“**Indigenous Peoples**” means an indigenous people whose asserted traditional territory overlaps with a FDU outlined within this FSP;

“**License**” means an agreement under the *Forest Act*;

“**Licensee**” means, for each **License**, the holder of that **License**;

“**Notice**” means a notice given to the Plan Holders by the Date of Submission pursuant to Section 7(2) of the FPPR;

“**Order**” means an order made pursuant to the FPC, FRPA or GAR and the regulations made there under and provided to the Plan Holders by the Date of Submission and referenced in an Objective, or a Result or Strategy in this FSP;

“**Qualified Professional**” means a person who has been deemed as eligible to practice, by a regulating or certifying organization, within their field of expertise;

“**Site Plan**” means a site plan as contemplated in FRPA;

“**WHA**” means Wildlife Habitat Area;

“**WTP**” means Wildlife Tree Patch;

“**WTRA**” means Wildlife Tree Retention Area.

## 1.2 Forest Stewardship Plan

The Forest Stewardship Plan (FSP) is a requirement under Section 3 of the FRPA, which came into effect on January 31, 2004. This FSP has been drafted to be consistent and in accordance with the FRPA, the associated regulatory framework, provincial legislation, federal legislation as well as higher level plans and policy as described by the British Columbia Provincial Government.

The purpose of the FSP is to outline objectives set forth by the Government of British Columbia related to forest management activities proposed on crown lands. The achievement of the objectives, established within the FSP, is measured through results, strategies and/or measures. The intention of the objectives is to identify the strategic issues by describing a desired future condition for a particular resource or resource use, while results, strategies and/or measures describe how the desired outcome will be achieved.

A result is defined in the FPPR as a “description of measurable or verifiable outcomes in respect of a particular established objective, and the situations or circumstances that determine where in a Forest Development Unit the outcomes will be applied.” A strategy is defined in the FPPR as a “description of measurable or verifiable steps or practices that will be carried out in respect of a particular established objective, and the situations or circumstances that determine where in a Forest Development Unit the steps or practices will be applied.” This FSP, where applicable, embraces and outlines measurable and verifiable results, strategies and/or measures that are compatible with government established forest management and resource objectives.

As per Section 6(1)(a) of the FRPA, the Plan Holders are seeking a term of 5 years for this FSP commencing on the date of approval by the Ministry of Forests.

### 1.3 Forest Development Units

The Forest Development Units (FDU), identified within the FSP, are described in the FRPA simply as (a) where forest development may occur during the term of the plan, and (b) within which, during the term of the plan, timber to be harvested or roads to be constructed are entirely located. A FDU is the broad geographic location to which a common set of objectives, results, strategies and/or measures are applicable. The FSP Maps and the Overview Map outline and detail the location of the FDU's relevant to the Plan Holders' FSP. The Forest Development Units include the following: the Anderson Forest Development Unit, the Big Silver Forest Development Unit, the Chehalis Forest Development Unit, the Chilliwack Forest Development Unit, the Coquihalla Forest Development Unit, the East Harrison Forest Development Unit, the Hatzic Forest Development Unit, the Fraser Valley South Forest Development Unit, the Manning Forest Development Unit, the Silverhope Forest Development Unit, the Spuzzum Forest Development Unit, the Stave Forest Development Unit, the Tretheway Forest Development Unit, the West Harrison Forest Development Unit and the Yale Forest Development Unit.

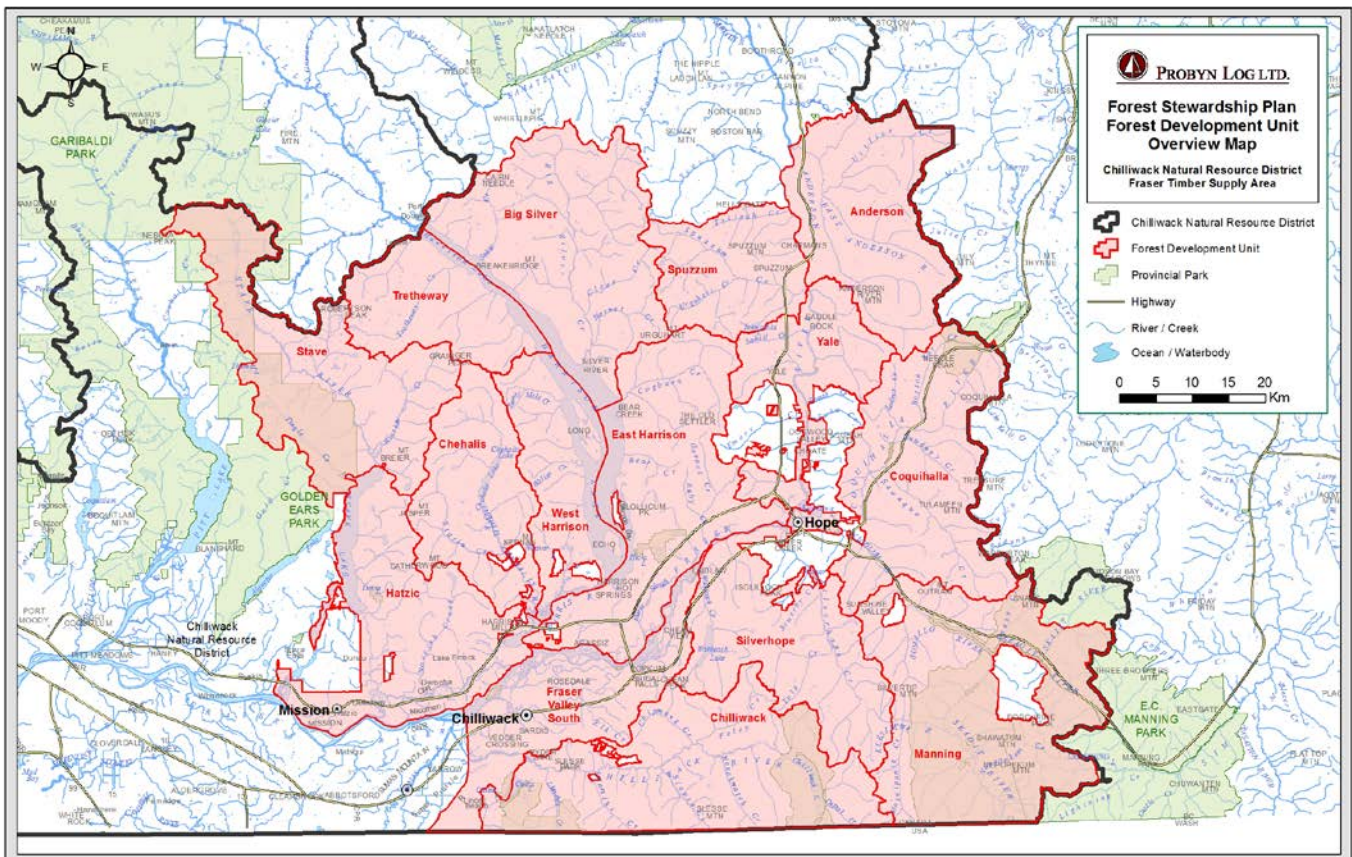


Figure #1. Forest Stewardship Plan Overview Map Outlining the Geographic Location of the Forest Development Units.

## **1.4 Professional Reliance and Accountability**

With the introduction of the *Forest and Range Practices Act (FRPA)*, the Government of British Columbia mandated a move away from a regulatory and prescriptive environment to one that supports a results-based regime. This results-based regime involves a greater role for forestry professionals from a variety of disciplines in regards to professional reliance and accountability. The Plan Holders recognizes the importance of professional reliance and accountability, and will endeavor to employ qualified professionals, in their respective fields of practice, where applicable and warranted. Although FRPA is silent on the use of professionals, the engagement of the qualified professionals will primarily take place during the preparation of the Site Plan, and supporting assessments, in order to provide a suitable level of due diligence in conducting forestry activities related to FL A75657, NRFL A79507, NRFL A96396, NRFL A81096, NRFL A96968 and unissued NRFL AXXXXX.

## **1.5 Forest and Range Practices Act Section 196(1) and Declared Areas**

There are no FRPA Section 196(1) cutblocks or roads associated with this Forest Stewardship Plan.

## **1.6 Site Plans and Standard Units**

As described in Section 10 of the FRPA and Section 34 of the FPPR, the holder of a FSP must prepare a Site Plan in accordance with the prescribed requirements for any cut block and road prior to the commencement of timber harvesting or road construction. The purpose of the Site Plan document is to identify the approximate location of the cut block(s) and road(s), must be consistent with the FSP, FRPA and the regulations, and describe how the results and strategies contained within the FSP apply to the area. The Site Plan must also outline the standard units for the area, the soil disturbance limits, and the stocking standards required to establish a free growing stand.

Although approval from government agencies is not required, the Site Plan is the basic operational plan that encompasses and balances all resource features and values. Standard Units within the Site Plan indicate areas that generally possess uniformity in ecological characteristics, and result in similar silviculture management through the application of a stocking standard.

## **1.7 Stocking Standards**

Section 16 of the FPPR states a person preparing a FSP must ensure that the plan specifies where and, situations or circumstances, when a stocking standard will apply to an area.

Stocking standards are the standards developed by the Plan Holders, and approved by government, that facilitate the establishment of a free growing stand as required under Section 44 of the FPPR within Standard Units described in the Site Plan. Therefore, stocking standards act to link the Site Plan to the FSP and set out the legal objectives to be met by the Plan Holders on areas subject to timber harvesting. The situations and the circumstances in which they will be applied are governed

by the location of the opening within a biogeoclimatic zone, subzone, variant and site series. The stocking standards provided in Appendix 2 are applicable to the FDU's described in this FSP.

The majority of these stocking standards are intended to address even-aged silviculture systems and forest management activities, while one has been developed to engage in uneven-aged management or the forest management activities listed in Section 44(3)(h) of the FPPR. For reference, a detailed rationale and supporting information document has been included in Appendix 2.

Additionally, the Plan Holders have provided Single Entry Dispersed Retention Stocking Standards (SEDRSS) in Appendix 2. SEDRSS apply to cutblocks where a qualified professional has prescribed a Single Entry Dispersed Retention Silviculture System where the post-harvest basal area falls between  $5\text{m}^2/\text{ha}$  and less than  $40\text{m}^2/\text{ha}$ , and the retention trees are intended to contribute towards a regeneration and free growing obligations. The application of a Single Entry Dispersed Retention Silviculture System will require the completion of an assessment, by a qualified professional, that provides recommendations to support the achievement of one or more of the following non-timber objectives:

- to ensure slope stability and the protection of soils;
- to ensure the protection of water, fish, wildlife and biodiversity within riparian areas;
- to protect water in a community watershed;
- to maintain or enhance wildlife and biodiversity at the stand and landscape levels;
- to meet a visual quality objective;
- to protect cultural heritage resources; or
- to protect the wildland urban interface or high value infrastructure or high resource values as identified in an approved district fire management plan.

The Plan Holders will implement the damage criteria and survey methodologies indicated in the following publications:

- Single Entry Dispersed Retention Stocking Standard Framework Implementation Guide (Coast Region FRPA Implementation Team September 14, 2011.)
- Appendix 3: Coastal Second Growth Douglas-fir (Fdc) Retention Stocking Standard SEDRSS – Fdc (August 3, 2016)

Single Entry Dispersed Retention Harvesting is limited as follows:

- A maximum of  $2,300\text{ m}^3$  or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for FL A75657.
- A maximum of  $2,100\text{ m}^3$  or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for NRFL A79507.
- A maximum of  $6,400\text{ m}^3$  or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for NRFL A96396.
- A maximum of  $10,700\text{ m}^3$  or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for NRFL A81096.



- A maximum of 3,400 m<sup>3</sup> or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for NRFL A96967.
- A maximum of approximately 10% of the five year sum of the allowable annual cuts measured at the end of a five year cut control period for the unissued NRFL AXXXX.

It is the intention of the Plan Holders to apply Section 44 of the FPPR to all situations where a free growing stand is required to be established under this FSP, and not apply Section 45 of the FPPR.

### **1.8 Cumulative Effect of Multiple and Overlapping Forest Stewardship Plans**

The Plan Holders will endeavor to work proactively and cooperatively with other tenure holders who have overlapping and adjacent Forest Development Units to the ones described within this document.

### **1.9 Notice of Review and Comment**

As required under Section 20 and 21 of the FPPR, potentially affected stake holders, interested parties and the general public were made aware that this FSP was available for review and comment through an advertisement placed in the Agassiz-Harrison Observer, the Chilliwack Time and the Hope Standard. The advertisement provided notice and informed the public that the FSP was made available for review and comment at Chartwell Resource Group Ltd.'s office in North Vancouver, BC during normal business hours and on the following website [www.crgl.ca/Probyn-FSP](http://www.crgl.ca/Probyn-FSP) throughout the required review period.

Referral letters were also sent out to potentially affected stakeholders and interested parties, including Government Agencies, First Nations, Forest Tenure Holders, Special Interest Groups, Commercial Recreation Groups, Guide Outfitters and Trappers as required under Section 21 of the FPPR. These letters informed the potentially affected stakeholders and interested parties that the FSP was made available for review at Chartwell Resource Group Ltd.'s office in North Vancouver, BC during normal business hours and on the following website [www.crgl.ca/Probyn-FSP](http://www.crgl.ca/Probyn-FSP) throughout the required review period.

Once received, as per Section 22 of the FPPR, the comments provided by the public, potentially affected stakeholders, First Nations, and Government Agencies, as a result of this review, were considered prior to the preparation of the final submission to the Ministry of Forests.

## 1.10 Section 14(3) Orders and Dates

Table 1. Section 14(3) Orders and Dates Applicable to the Forest Development Unit identified within the Forest Stewardship Plan.

Order or Type Designation	FDU Where Order Applies	Date Designated
<b>FPPR s.14(3)(a)</b>		
<b>Ungulate Winter Range</b>		
Mountain Goat (U-2-001)	Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway & Yale	March 10, 2008 June 15, 2017
Mule & Black-Tailed Deer (U-2-006)	Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway & Yale	September 22, 2009
<b>FPPR s.14(3)(b)</b>		
<b>Wildlife Habitat Areas</b>		
Mountain Beaver (2-012)	Silverhope	September 13, 2001
Pacific (Coastal) Giant Salamander (2-120 to 2-128, 2-130 to 2-138, 2-148 & 2-149)	Chilliwack & Fraser Valley South	August 24, 2007
Pacific (Coastal) Giant Salamander (2-580 to 2-587, 2-589 to 2-592, 2-594, 2-595, 2-656 to 2-661 & 2-663 to 2-666)	Chilliwack & Fraser Valley South	August 21, 2017
Grizzly Bear (2-097, 2-098, 2-105 to 2-107, 2-111, 2-113, 2-116 & 2-372 to 2-380)	Big Silver, Coquihalla, East Harrison, Manning, Spuzzum & Yale	September 16, 2010
Grizzly Bear (2-099, 2-100, 2-101, 2-102 & 2-194)	Silverhope	March 17, 2005
Grizzly Bear (2-109, 2-112, 2-114, 2-118, 2-119, 2-195, 2-196, 2-197, 2-198, 2-199, 2-201, 2-202 & 2-203)	Coquihalla, Manning, Silverhope	March 17, 2005
Grizzly Bear (2-407 to 2-434)	Big Silver & Spuzzum	March 8, 2011
Pacific (Coastal) Tailed Frog (2-511 to 2-513)	Not Applicable	April 1, 2014
Pacific Water Shrew (2-514, 2-515 & 2-667 to 2-669)	Chilliwack, Fraser Valley South, Hatzic & West Harrison	August 21, 2017
Tall Bugbane (2-129, 2-139, 2-141 to 2-143, 2-145 & 2-146)	Chilliwack & Fraser Valley South	August 24, 2007
Tall Bugbane (2-567 to 2-579 & 2-670)	Chilliwack & Fraser Valley South	August 21, 2017
Spotted Owl (2-494 to 2-510)	Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Tretheway & Yale	March 1, 2011
Northern Goshawk (2-671)	Chilliwack	May 22, 2020
Northern Goshawk (2-696 & 2-697)	Manning & Anderson	October 4, 2022
<b>FPPR s.14(3)(c)</b>		
<b>Fisheries Sensitive Watersheds</b>		
	None Designated	
<b>FPPR s.14 (3)(d)</b>		
<b>Lakeshore Management Zone</b>		
	None in Effect	

<b>FPPR s.14 (3)(e) Scenic Area</b>		
Visual Areas Defined by District Manager	Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison & Yale	October 1, 1999 October 17, 2005 April 12, 2013
<b>FPPR s.14 (3)(f) Lake Identified as an L1 Lake</b>		
	None Designated	
<b>FPPR s.14 (3)(g) Community Watersheds</b>		
Domitian Community Watershed	Chehalis	May 14, 2004
Elbow Community Watershed	Chehalis & Hatzic	June 15, 1995
Adams Spring Community Watershed	Chilliwack	May 14, 2004
Ascaphus Community Watershed	Chilliwack & Fraser Valley South	June 15, 1995
Cupola Community Watershed	Chilliwack	June 15, 1995
Edmeston Community Watershed	Chilliwack	June 15, 1995
Southbright Community Watershed	Chilliwack	June 15, 1995
Spring Community Watershed	Chilliwack	June 15, 1995
Watt Community Watershed	Chilliwack	June 15, 1995
Young Creek Community Watershed	Chilliwack	May 14, 2004
Ichilaka Community Watershed	Coquihalla	June 15, 1995
Kopp Community Watershed	Coquihalla	June 15, 1995
Edna Community Watershed	East Harrison	June 15, 1995
Sasquatch Community Watershed	East Harrison	June 15, 1995
Thunderbird Community Watershed	East Harrison	June 15, 1995
Dunville Community Watershed	Fraser Valley South	June 15, 1995
Elk Community Watershed	Fraser Valley South	June 15, 1995
Fin Community Watershed	Fraser Valley South	June 15, 1995
Knox Community Watershed	Fraser Valley South	June 15, 1995
Nevin Community Watershed	Fraser Valley South	June 15, 1995
Parent Creek Community Watershed	Fraser Valley South	May 14, 2004
Volkert Community Watershed	Fraser Valley South	June 15, 1995
Wells Community Watershed	Fraser Valley South	June 15, 1995
Cannell Lake Community Watershed	Hatzic	May 14, 2004
Deroche Community Watershed	Hatzic	June 15, 1995
Kenwothy Community Watershed	Hatzic	June 15, 1995
Norrish Community Watershed	Hatzic	June 15, 1995
Campsite Community Watershed	Manning	June 15, 1995
Trite Community Watershed	Manning	June 15, 1995
Stormy Community Watershed	Silverhope	June 15, 1995
Choate Community Watershed	Spuzzum	June 15, 1995
Inkawthia Community Watershed	Spuzzum	June 15, 1995
Skeemis Community Watershed	Spuzzum	June 15, 1995
Cohen Community Watershed	West Harrison	June 15, 1995
Pickney Community Watershed	Yale	June 15, 1995
Schkam Lake Community Watershed	Yale	May 14, 2004
Yale Community Watershed	Yale	June 15, 1995

<b>FPPR s.14 (3)(h)</b> <b>Old Growth Management Areas</b>		
Anderson Landscape Unit	Anderson	January 13, 2004
Big Silver Landscape Unit	Big Silver	June 24, 2005
Chehalis Landscape Unit	Chehalis	March 15, 2006
Chilliwack Landscape Unit	Chilliwack	June 25, 2005
Coquihalla Landscape Unit	Coquihalla	April 14, 2004
East Harrison Landscape Unit	East Harrison	June 24, 2005
Fraser Valley South Landscape Unit	Fraser Valley South	February 4, 2013
Hatzic Landscape Unit	Hatzic	February 4, 2013
Manning Landscape Unit	Manning	April 14, 2004
Silverhope Landscape Unit	Silverhope	April 14, 2004
Spuzzum Landscape Unit	Spuzzum	January 13, 2004
Stave Landscape Unit	Stave	February 4, 2013
Tretheway Landscape Unit	Tretheway	June 24, 2005
West Harrison Landscape Unit	West Harrison	June 24, 2005
Yale Landscape Unit	Yale	April 14, 2004
		February 3, 2005 (Variance)
<b>FPPR s.14 (3)(i)</b> <b>Prohibited Timber Harvesting by Another Enactment</b>		
Spotted Owl Designated Area No. 2	Anderson, Big Silver, East Harrison, Spuzzum & Yale	March 3, 2022 to February 28, 2023
<b>FPPR s.14 (3)(j)</b> <b>Cutting Permit and Road Permit Held by the Agreement Holder</b>		
See Appendix 3 – Active Cutting Permits	Chehalis	As of May 31, 2023
See FSP Maps – Active Road Permits	Big Silver, Chehalis, Coquihalla, East Harrison, Silverhope & Yale	As of May 31, 2023
<b>FPPR s.14 (3)(k)</b> <b>Road Permit or Timber Sales License Granted or Entered into by the Timber Sales Manager (Under This FSP)</b>	Not Applicable	

## 2.0 Forest Resource Management Objectives, Results, Strategies and Measures

This section of the FSP outlines the broad forest resource management goals and objectives as described through higher level plans, objectives set by government and objectives in addition to those established by government. In addition to describing the forest management objectives, this section provides a number of results, strategies, measures and/or comments that will be implemented and used to measure and/or verify the successful achievement of the objectives to which they pertain.

### 2.1 Higher Level Plans

Higher level plans are designed to establish the broader, strategic context for operational plans, often providing objectives that determine the combination of forest resources to be managed in a given area. They are a 'higher level' relative to operational plans and are a source of objectives that play an important role in determining the forest practices described in an operational plan.

The Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison, and Yale Landscape Unit Plans are the higher-level plans applicable to FL A75657, NRFL A79507, NRFL A96396, NRFL A81096, NRFL A96967, and unissued NRFL AXXXX under this Forest Stewardship Plan.

### 2.1.1 Anderson Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Anderson Landscape Unit are detailed in the document titled ‘Order to Establish a Landscape Unit and Objectives – Anderson Landscape Unit’. These objectives were made effective January 13, 2004.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Anderson	In accordance with Section 25.1 (2) of the FPPR and in respect of the ‘Order to Establish a Landscape Unit and Objectives – Anderson Landscape Unit’ (January 13, 2004), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Anderson Landscape Unit.

### 2.1.2 Big Silver Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Big Silver Landscape Unit are detailed in the document titled ‘Order to Establish a Landscape Unit and Objectives – Big Silver Landscape Unit’. These objectives were made effective June 24, 2005.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Big Silver	In accordance with Section 25.1 (2) of the FPPR and in respect of the ‘Order to Establish a Landscape Unit and Objectives – Big Silver Landscape Unit’ (June 24, 2005), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Big Silver Landscape Unit.

### 2.1.3 Chehalis Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Chehalis Landscape Unit are detailed in the document titled 'Order to Establish a Landscape Unit and Objectives – Chehalis Landscape Unit'. These objectives were made effective March 15, 2006.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Chehalis	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Order to Establish a Landscape Unit and Objectives – Chehalis Landscape Unit' (March 15, 2006), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Chehalis Landscape Unit.

### 2.1.4 Chilliwack Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Chilliwack Landscape Unit are detailed in the document titled 'Order to Establish a Landscape Unit and Objectives – Chilliwack Landscape Unit'. These objectives were made effective June 25, 2005.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Chilliwack	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Order to Establish a Landscape Unit and Objectives – Chilliwack Landscape Unit' (June 25, 2005), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Chilliwack Landscape Unit.

### 2.1.5 Coquihalla Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Coquihalla Landscape Unit are detailed in the document titled 'Order to Establish a Landscape Unit and Objectives – Coquihalla Landscape Unit'. These objectives were made effective April 14, 2004.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Coquihalla	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Order to Establish a Landscape Unit and Objectives – Coquihalla Landscape Unit' (April 14, 2004), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Chehalis Landscape Unit.

### 2.1.6 East Harrison Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the East Harrison Landscape Unit are detailed in the document titled 'Order to Establish a Landscape Unit and Objectives – East Harrison Landscape Unit'. These objectives were made effective June 24, 2005.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
East Harrison	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Order to Establish a Landscape Unit and Objectives – East Harrison Landscape Unit' (June 24, 2005), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the East Harrison Landscape Unit.

### 2.1.7 Fraser Valley South Landscape Unit

Pursuant to Section 93.4 of the *Land Act*, the objective that has been established within the Fraser Valley South Landscape Unit is detailed in the document titled 'Ministerial Order – Fraser Valley Landscape Unit'. This objective was made effective February 4, 2013.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Fraser Valley South	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Ministerial Order – Fraser Valley South Landscape Unit' (February 4, 2013), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Part 2 – Objectives Section 4 where the applicable FDU overlaps the Fraser Valley South Landscape Unit.

### 2.1.8 Hatzic Landscape Unit

Pursuant to Section 93.4 of the *Land Act*, the objective that has been established within the Hatzic Landscape Unit is detailed in the document titled 'Ministerial Order – Hatzic Landscape Unit'. This objective was made effective February 4, 2013.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Hatzic	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Ministerial Order – Hatzic Landscape Unit' (February 4, 2013), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Part 2 – Objectives Section 4 where the applicable FDU overlaps the Hatzic Landscape Unit.

### 2.1.9 Manning Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Manning Landscape Unit are detailed in the document titled 'Order to Establish a Landscape Unit and Objectives – Manning Landscape Unit'. These objectives were made effective April 14, 2004.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Manning	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Order to Establish a Landscape Unit and Objectives – Manning Landscape Unit' (April 14, 2004), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Manning Landscape Unit.

### 2.1.10 Silverhope Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Silverhope Landscape Unit are detailed in the document titled 'Order to Establish a Landscape Unit and Objectives – Silverhope Landscape Unit'. These objectives were made effective April 14, 2004.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Silverhope	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Order to Establish a Landscape Unit and Objectives – Silverhope Landscape Unit' (April 14, 2004), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Silverhope Landscape Unit.

### 2.1.11 Spuzzum Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Spuzzum Landscape Unit are detailed in the document titled 'Order to Establish a Landscape Unit and Objectives – Spuzzum Landscape Unit'. These objectives were made effective January 13, 2004.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Spuzzum	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Order to Establish a Landscape Unit and Objectives – Spuzzum Landscape Unit' (January 13, 2004), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Spuzzum Landscape Unit.



### 2.1.12 Stave Landscape Unit

Pursuant to Section 93.4 of the *Land Act*, the objective that has been established within the Stave Landscape Unit is detailed in the document titled ‘Ministerial Order – Stave Landscape Unit’. This objective was made effective February 4, 2013.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Stave	In accordance with Section 25.1 (2) of the FPPR and in respect of the ‘Ministerial Order – Stave Landscape Unit’ (February 4, 2013), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Part 2 – Objectives Section 4 where the applicable FDU overlaps the Stave Landscape Unit.

### 2.1.13 Tretheway Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Tretheway Landscape Unit are detailed in the document titled ‘Order to Establish a Landscape Unit and Objectives – Tretheway Landscape Unit’. These objectives were made effective June 24, 2005.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Tretheway	In accordance with Section 25.1 (2) of the FPPR and in respect of the ‘Order to Establish a Landscape Unit and Objectives – Tretheway Landscape Unit’ (June 24, 2005), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Tretheway Landscape Unit.

### 2.1.14 West Harrison Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the West Harrison Landscape Unit are detailed in the document titled ‘Order to Establish a Landscape Unit and Objectives – West Harrison Landscape Unit’. These objectives were made effective June 24, 2005.

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
West Harrison	In accordance with Section 25.1 (2) of the FPPR and in respect of the ‘Order to Establish a Landscape Unit and Objectives – West Harrison Landscape Unit’ (June 24, 2005), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the West Harrison Landscape Unit.

### 2.1.15 Yale Landscape Unit

Pursuant to Section 4 of the *Forest Practices Code of British Columbia Act*, the objectives that have been established within the Yale Landscape Unit are detailed in the document titled 'Order to Establish a Landscape Unit and Objectives – Yale Landscape Unit'. These objectives were made effective April 14, 2004 (Varied on February 3, 2005).

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
Yale	In accordance with Section 25.1 (2) of the FPPR and in respect of the 'Order to Establish a Landscape Unit and Objectives – Yale Landscape Unit' (April 14, 2004 and Varied on February 3, 2005), the Plan Holders will manage landscape level biological diversity and stand level structural diversity in accordance with Objective #1 and Objective #2 where the applicable FDU overlaps the Yale Landscape Unit.

### 2.2 Objectives Set by Government

Section 149 (1) of the FRPA describes objectives set by government with respect to forest management activities on crown lands. Specifically, this section states "The Lieutenant Governor in Council may make regulations prescribing objectives in relation to one or more of the following subjects: (a) soils; (b) visual quality; (c) timber; (d) forage and associated plant communities; (e) water; (f) fish; (g) wildlife; (h) biodiversity; (i) recreation resources; (j) resource features and (k) cultural heritage resources".

The following sections of this FSP detail the objectives set by government with specific reference to those described in the FPPR, as well as specify, where applicable, the associated results and/or strategies.

### 2.2.1 Soils

**Objective:** Section 5 of the FPPR – Objectives Set by Government for Soils  
 “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.”

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
All	<p>In accordance with Section 12.1 (1) of the FPPR, “A person required to prepare a forest stewardship plan is exempt for that plan from the requirement under Section 5 of the Act that the plan specify intended results and strategies in relation to the objective for soils set out in Section 5 of this regulation if the person (a) prepares the plan, including in it an undertaking that the person will comply with Sections 35 and 36 of this regulation, during the term of the plan, and (b) receives the minister’s approval to the plan.”</p> <p>The Plan Holders will adopt Sections 35 (Soil Disturbance Limits) and 36 (Permanent Access Structure Limits) of the FPPR during the term of the plan, as they existed in Legislation on the Date of Submission.</p>

### 2.2.2 Timber

**Objective:** Section 6 of the FPPR – Objectives Set by Government for Timber  
 “The objectives set by government for timber are to (a) maintain or enhance an economically valuable supply of commercial timber from British Columbia’s forests, (b) ensure that delivered wood costs, generally, after taking into account the effect on them of the relevant provisions of this regulation and of the Act, are competitive in relation to equivalent costs in relation to regulated primary forest activities in other jurisdictions, and (c) ensure that the provisions of this regulation and of the Act that pertain to primary forest activities do not unduly constrain the ability of a holder of an agreement under the *Forest Act* to exercise the holder’s rights under the agreement.”

<b>Applicable Forest Development Unit(s)</b>	<b>Comment</b>
All	<p>In accordance with Section 12(8) of the FPPR, “A person who is required to prepare a forest stewardship plan is exempt from the requirement to prepare results or strategies for an objective set by government for timber.”</p>

### 2.2.3 Wildlife

*Objective:* Section 7 of the FPPR – Objectives Set by Government for Wildlife

- (1) “The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia’s forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for (a) the survival of species at risk; (b) the survival of regionally important wildlife, and (c) the winter survival of specified ungulate species.”
- (2) “A person required to prepare a forest stewardship plan must specify a result or strategy in respect of the objective stated under subsection (1) only if the minister responsible for the *Wildlife Act* gives notice to the person of the applicable (a) species referred to in subsection (1) and indicators of the amount, distribution and attributes of wildlife habitat described in subsection (1).”
- (3) “If satisfied that the objective set out in subsection (1) is addressed, in whole or in part, by an objective in relation to a wildlife habitat area or an ungulate winter range, a general wildlife measure, or a wildlife habitat feature, the minister responsible for the *Wildlife Act* must exempt a person from the obligation to specify a result or strategy in relation to the objective set out in subsection (1) to the extent that the objective is already addressed.”
- (4) “On or after December 31, 2004, a notice described in subsection (2) must be given at least 4 months before the forest stewardship plan is submitted for approval.”

On December 21, 2004, a Notice - Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Survival of Species at Risk in the Chilliwack Forest District (Amended in 2007, 2009 and 2010), and a Notice - Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Winter Survival of Ungulate Species in the Fraser Timber Supply Area were issued.

On December 2, 2021, an Order for the Recovery of Marbled Murrelet, and a Notice – Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the survival of Marbled Murrelet were issued.

In accordance with 7(2) of the FPPR, the following results, strategies or comments have been developed to address the wildlife species identified in Section 7(1) of the FPPR.

### 2.2.3.1 Pacific Giant Salamander (*Dicamptodon tenebrosus*)

<b>Applicable Forest Development Unit(s)</b>	<b>Comment</b>
Chilliwack & Fraser Valley South	<p>In respect of the Order – Wildlife Habitat Areas #2-120 to #2-128, #2-130 to #2-138, #2-148 and #2-149 Pacific Giant Salamander – Chilliwack Forest District (August 24, 2007) and the Order – Wildlife Habitat Areas #2-580 to #2-587, #2-589 to #2-592, #2-594, #2-595, #2-656 to #2-661 and #2-663 to #2-666 Pacific Giant Salamander – Chilliwack Forest District (August 21, 2017) under the authority of Sections 9(2) and 10(1) of the GAR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Manage the Pacific Giant Salamander Wildlife Habitat Areas, as spatially identified on the Schedule A Map(s), in accordance with Schedule #1 (General Wildlife Measures) as described in the Orders.</li> </ul>

### 2.2.3.2 Grizzly Bear (*Ursus arctos*)

<b>Applicable Forest Development Unit(s)</b>	<b>Comment</b>
Big Silver, Coquihalla, East Harrison, Manning, Silverhope, Spuzzum & Yale	<p>In respect of the Order – Wildlife Habitat Areas #2-099, 2-100, 2-101, 2-102 &amp; 2-194 (March 17, 2005), the Order – Wildlife Habitat Areas #2-109, 2-112, 2-114, 2-118, 2-119, 2-195, 2-196, 2-197, 2-198, 2-199, 2-201, 2-202 &amp; 2-203 (March 17, 2005), the Order – Wildlife Habitat Areas #2-097, 2-098, 2-105 to 2-107, 2-111, 2-113, 2-116 and 2-372 to 2-380 Grizzly Bear – Chilliwack Forest District (September 16, 2010) and the Order – Wildlife Habitat Areas #2-407 to 2-434 Grizzly Bear – Chilliwack Forest District (March 8, 2011) under the authority of Sections 9(2) and 10(1) of the GAR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Manage the Grizzly Bear Wildlife Habitat Areas, as spatially identified on the Schedule A Map(s) and/or the Forest Stewardship Plan Map(s), in accordance with Schedule #1 (General Wildlife Measures) as described in the Orders.</li> </ul>

### 2.2.3.3 Pacific Water Shrew (*Sorex bendirii*)

<b>Applicable Forest Development Unit(s)</b>	<b>Comment</b>
Chilliwack, Fraser Valley South, Hatzic & West Harrison	<p>In respect of the Order – Wildlife Habitat Areas #2-514, #2-515 and #2-667 to #2-669 Pacific Water Shrew – Chilliwack Forest District (August 21, 2017) under the authority of Sections 9(2) and 10(1) of the GAR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Manage the Pacific Water Shrew Wildlife Habitat Areas, as spatially identified on the Schedule A Map(s) and/or the Forest Stewardship Plan Map(s), in accordance with Schedule #1 (General Wildlife Measures) as described in the Order.</li> </ul>

#### 2.2.3.4 Tall Bugbane (*Actaea elata*)

<b>Applicable Forest Development Unit(s)</b>	<b>Comment</b>
Chilliwack & Fraser Valley South	<p>In respect of the Order – Wildlife Habitat Areas #2-129, #2-139, #2-141 to #2-143, #2-145 and #2-146 Tall Bugbane – Chilliwack Forest District (August 24, 2007) and the Order – Wildlife Habitat Areas #2-567 to #2-579 and #2-670 Tall Bugbane – Chilliwack Forest District (August 21, 2017) under the authority of Sections 9(2) and 10(1) of the GAR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Manage the Tall Bugbane Wildlife Habitat Areas, as spatially identified on the Schedule A Map(s), in accordance with Schedule #1 (General Wildlife Measures) as described in the Orders.</li> </ul>

#### 2.2.3.5 Pacific Tailed Frog (*Ascaphus truei*)

<b>Applicable Forest Development Unit(s)</b>	<b>Comment</b>
None	<p>In respect of the Order – Wildlife Habitat Areas #2-511 to #2-513 (April 1, 2014) under the authority of Sections 9(2) and 10(1) of the GAR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Manage the Pacific Tailed Frog Wildlife Habitat Areas, as spatially identified on the Schedule A Map(s), in accordance with Schedule #1 (General Wildlife Measures) as described in the Order.</li> </ul> <p>There are no approved Pacific Tailed Frog WHA's located within the FDU's identified under this FSP.</p>

#### 2.2.3.6 Spotted Owl (*Strix occidentalis*)

<b>Applicable Forest Development Unit(s)</b>	<b>Comment</b>
Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Tretheway & Yale	<p>In respect of the Order – Wildlife Habitat Areas #2-494 to #2-510 (March 1, 2011) under the authority of Sections 9(2) and 10(1) of the GAR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Manage the Spotted Owl Wildlife Habitat Areas, as spatially identified on the Schedule A Map and/or the Forest Stewardship Plan Map(s), in accordance with Schedule #1 (General Wildlife Measures) as described in the Order.</li> </ul>

### 2.2.3.7 Northern Goshawk (*Accipiter gentilis laingi*)

Applicable Forest Development Unit(s)	Comment
Anderson, Chilliwack & Manning	<p>In respect of the Order – Wildlife Habitat Area #2-671 (May 22, 2020) and the Order of the Minister of Land, Water and Resource Stewardship – Wildlife Habitat Area #2-696 &amp; 2-697 (October 4, 2022) under the authority of Sections 9(2) and 10(1) of the <i>Government Actions Regulation</i>, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Manage the Northern Goshawk Wildlife Habitat Area, as spatially identified on the Schedule A Map(s) and/or the Forest Stewardship Plan Map(s), in accordance with Schedule #1 and Schedule B – Part 3 (General Wildlife Measures), respectively, as described in the Orders.</li> </ul>

### 2.2.3.8 Marbled Murrelet (*Brachyramphus marmoratus*)

Applicable Forest Development Unit(s)	Strategy
Chehalis, Fraser Valley South, Hatzic, Stave & Trethewey	<p>In respect of the Order for the Recovery of Marbled Murrelet (<i>Brachyramphus marmoratus</i>), which became effective on December 2, 2021, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Coordinate and endeavor to reach agreement with other Forest Tenure Holders within the Lower Fraser Landscape Unit Aggregate, to the extent practicable, to maintain Suitable Habitat and obtain results consistent with the Order prior to the commencement of primary forest activities within Suitable Habitat as follows: <ul style="list-style-type: none"> <li>○ Within the Lower Fraser Landscape Unit Aggregate, retain all timber in an amount equal to or greater than the Minimum Habitat Threshold listed in Column ‘A’ in Table 1 in Schedule ‘7’.</li> <li>○ Within the Landscape Unit Portions, retain all timber in an amount equal to or greater than the Suitable Habitat Target listed in Column ‘A’ in Table 2 in Schedule ‘7’.</li> <li>○ Despite the second bullet, the amount of timber that must be retained within the Landscape Unit Portions may be less than the Suitable Habitat Target listed in Column ‘A’ in Table 2 in Schedule ‘7’ provided that the amount of timber retained is equal to or greater than the Minimum Habitat Threshold listed in Column ‘B’ in Table 2 in Schedule ‘7’.</li> <li>○ If the Suitable Habitat Target in Column ‘A’ in Table 2 in Schedule ‘7’ for a Landscape Unit Portion cannot be met, the Suitable Habitat Target(s) for other Landscape Unit Portions will be increased to ensure the Minimum Habitat Threshold for the Lower Fraser Landscape Unit Aggregate is met.</li> <li>○ A variance from the Suitable Habitat Polygons shown in Schedule 6 may be allowed provided that: <ul style="list-style-type: none"> <li>▪ A Qualified Professional: <ul style="list-style-type: none"> <li>• Completes a field assessment that identifies the characteristics of Suitable Habitat using established standards; and</li> <li>• Confirms the alteration will result in no net loss or functional loss of Suitable Habitat.</li> </ul> </li> </ul> </li> </ul> </li> </ul>

- A Regional Ministry of Forests Biologist approves the alteration of the Suitable Habitat Polygons.

- If an administratively fair, equitable and effective agreement cannot be reached among affected Forest Tenure Holders prior to the commencement of primary forest activities, a request will be made to the Minister to act under Section 19 of the FPPR.

In respect of the Notice – Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Survival of Marbled Murrelet (*Brachyramphus marmoratus*), which became effective on December 2, 2021, the Plan Holders will:

- Coordinate and endeavor to reach agreement with other Forest Tenure Holders within the Lower Fraser Landscape Unit Aggregate, to the extent practicable, to maintain Suitable Habitat and obtain results consistent with the Notice prior to the commencement of primary forest activities within Suitable Habitat as follows:
  - Maintain the amount of Suitable Habitat equal to or greater than the MAMU WHA Suitable Habitat Minimums in the Landscape Unit Aggregate (Table 2) and the Landscape Unit Portions (Table 3) with the Attributes as described in Schedule 1, which will be established as Marbled Murrelet Wildlife Habitat Areas.
  - Maintain the amount of Suitable Habitat equal to or greater than the MAMU WHA and OGMA Suitable Habitat Minimums in the Landscape Unit Aggregate (Table 2) and the Landscape Unit Portions (Table 3) with the Attributes as described in Schedule 1, which will be established as Marbled Murrelet Wildlife Habitat Areas and Old Growth Management Areas.
  - Reach an agreement with affected Forest Tenure Holders on meeting the MAMU WHA Suitable Habitat Targets in the Landscape Unit Portions (Table 3) with the Attributes as described in Schedule 1, which will be established as Marbled Murrelet Wildlife Habitat Areas; or
  - If the MAMU WHA Suitable Habitat Target in Table 3 for a Landscape Unit Portion cannot be met or agreed upon with affected Forest Tenure Holders, the MAMU WHA Suitable Habitat Target(s) for other Landscape Unit Portions will be increased to ensure the MAMU WHA Suitable Habitat Minimum for the Lower Fraser Landscape Unit Aggregate is met.
  - Reach an agreement with affected Forest Tenure Holders on meeting the MAMU WHA and OGMA Suitable Habitat Targets in the Landscape Unit Portions (Table 3) with the Attributes as described in Schedule 1, which will be established as Marbled Murrelet Wildlife Habitat Areas and Old Growth Management Areas; or
  - If the MAMU WHA and OGMA Suitable Habitat Target in Table 3 for a Landscape Unit Portion cannot be met or agreed upon with affected Forest Tenure Holders, the MAMU WHA and OGMA Suitable Habitat Target(s) for other Landscape Unit Portions will be increased to ensure the MAMU WHA and OGMA Suitable Habitat Minimum for the Lower Fraser Landscape Unit Aggregate is met.
  - If an administratively fair, equitable and effective agreement cannot be reached among affected Forest Tenure Holders prior to the commencement of primary forest activities, a request will be made to the Minister to act under Section 19 of the FPPR.



### 2.2.3.9 Survival of Regionally Important Wildlife

Applicable Forest Development Unit(s)	Comment
None	The Minister responsible for the <i>Wildlife Act</i> has not identified regionally important wildlife within the Forest Development Units outlined in this Forest Stewardship Plan; therefore, no results or strategies are provided.

### 2.2.3.10 Mountain Goat (*Oreamnos americanus*)

Applicable Forest Development Unit(s)	Comment
Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway & Yale	<p>In respect of the Order – Ungulate Winter Range #U-2-001 Fraser TSA Mountain Goat (March 10, 2008) under the authority of Sections 9(1), 9(2) and 12(1) of the GAR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Manage Goat Winter Ranges (GWR), as spatially identified on the Schedule A Map(s) and/or Forest Stewardship Plan Map(s), in accordance with Schedule #1 (General Wildlife Measures) as described in the Order.</li> </ul>

### 2.2.3.11 Black-Tailed & Mule Deer (*Odocoileus hemionus sp.*)

Applicable Forest Development Unit(s)	Comment
Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway & Yale	<p>In respect of the Order – Ungulate Winter Range #U-2-006 (September 22, 2009) under the authority of Sections 9(1), 9(2) and 12(1) of the GAR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Manage Deer Winter Ranges (DWR), as spatially identified on the Schedule A Map(s) and/or Forest Stewardship Plan Map(s), in accordance with Schedule #1 (General Wildlife Measures) as described in the Order.</li> </ul>

## 2.2.4 Water, Fish, Wildlife and Biodiversity within Riparian Areas

**Objective:** Section 8 of the FPPR – Objectives Set by Government for Water, Fish, Wildlife and Biodiversity within Riparian Areas  
 “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.”

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
All	<p>In accordance with Section 12.1 (2) of the FPPR, “A person required to prepare a forest stewardship plan is exempt for that plan from the requirement under Section 5 of the Act that the plan specify intended results and strategies in relation to the objective for water, fish, wildlife and biodiversity set out in Section 8 of this regulation if the person (a) prepares the plan, including in it an undertaking that the person will comply with Sections 47 to 51, 52(2) and 53 of this regulation, during the term of the plan, and (b) receives the minister’s approval to the plan.”</p> <p>The Plan Holders will adopt Sections 47 (Stream Riparian Classes), 48 (Wetland Riparian Classes), 49 (Lake Riparian Classes), 50 (Restrictions in a Riparian Management Area), 51 (Restrictions in a Riparian Reserve Zone), 52(2) (Restrictions in a Riparian Management Zone) and 53 (Temperature Sensitive Streams) of the FPPR during the term of the plan, as they existed in Legislation on the Date of Submission. In accordance with Section 12 (3) of the FPPR, “A person who prepares a forest stewardship plan must specify in it, for the objective set out in Section 8, a result or strategy that addresses retention of trees in a riparian management zone.”</p> <p>In respect of Sections 8 and 12(3) of the FPPR, to address the retention of trees in a riparian management zone, the Plan Holders will, in preparation of the Site Plan:</p> <ul style="list-style-type: none"> <li>• Engage in forest practices as well as engineer cutblocks and roads in a manner that is consistent with the basal area retention levels described in Column #2 as per the associated stream classifications outlined in Column #1 of Table 2.</li> <li>• Determine and provide, through recommendations offered by qualified professional, the amount, distribution and selection of the retention trees, by stream within the gross block area, to achieve the gross basal area retention levels described in Column #2 of Table 2 with specific regard to: <ul style="list-style-type: none"> <li>○ The pre-harvest stand structure and distribution, including coniferous and deciduous vegetation, with consideration given to specific stand attributes, understory vegetation (consistent with applicable stocking standards), large wildlife trees and coarse woody debris,</li> <li>○ The need to buffer the riparian feature from the introduction of materials that are deleterious to water quality or fish habitat,</li> <li>○ The role played by trees and understory vegetation in conserving water quality, fish habitat, wildlife habitat and biodiversity,</li> <li>○ The role of the riparian management zone in maintaining stream bank and stream channel integrity and normally functioning drainage processes,</li> <li>○ The relative importance and sensitivity of the riparian feature/class in conserving water quality, fish habitat, wildlife habitat and biodiversity,</li> <li>○ The type, timing or intensity of forest practices that are proposed,</li> <li>○ The species composition and physical structure of the riparian management zone as it was prior to timber harvesting,</li> <li>○ The potential safety hazards,</li> <li>○ The role of the riparian management zone, where applicable, in maintaining the integrity of the associated riparian reserve zone,</li> <li>○ The risk as determined by a windthrow hazard assessment to ensure the identified basal area retention will have an acceptable risk (low to moderate) to damaging wind events,</li> </ul> </li> </ul>

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>																								
	<ul style="list-style-type: none"> <li>○ The risk, where applicable, as determined by a terrain stability field assessment, and</li> <li>○ The role of forest shading in controlling an increase in temperature within a temperature sensitive stream, if the increase might have a deleterious effect on fish or fish habitat.</li> </ul> <p>Table 2. Basal area retention requirements by stream classification.</p> <table border="1" data-bbox="456 449 1437 968"> <thead> <tr> <th data-bbox="456 449 911 562"><b>Column #1 Riparian Classification</b></th> <th data-bbox="911 449 1437 562"><b>Column #2 Gross Basal Area (m<sup>2</sup>/ha) to be Retained within Riparian Management Zone (%)</b></th> </tr> </thead> <tbody> <tr><td data-bbox="456 562 911 600">S1-A</td><td data-bbox="911 562 1437 600">≥ 20%</td></tr> <tr><td data-bbox="456 600 911 638">S1-B</td><td data-bbox="911 600 1437 638">≥ 20%</td></tr> <tr><td data-bbox="456 638 911 676">S2</td><td data-bbox="911 638 1437 676">≥ 20%</td></tr> <tr><td data-bbox="456 676 911 714">S3</td><td data-bbox="911 676 1437 714">≥ 20%</td></tr> <tr><td data-bbox="456 714 911 751">S4</td><td data-bbox="911 714 1437 751">≥ 10%</td></tr> <tr><td data-bbox="456 751 911 789">S5 (Valley Bottom)</td><td data-bbox="911 751 1437 789">≥ 10%</td></tr> <tr><td data-bbox="456 789 911 827">S5 (Non-Valley Bottom)</td><td data-bbox="911 789 1437 827">≥ 0%</td></tr> <tr><td data-bbox="456 827 911 865">S6</td><td data-bbox="911 827 1437 865">≥ 0%</td></tr> <tr><td data-bbox="456 865 911 903">All Wetland Classifications</td><td data-bbox="911 865 1437 903">≥ 10%</td></tr> <tr><td data-bbox="456 903 911 940">L1-A and L1-B Lake Classifications</td><td data-bbox="911 903 1437 940">≥ 0%</td></tr> <tr><td data-bbox="456 940 911 968">L2, L3 and L4 Classifications</td><td data-bbox="911 940 1437 968">≥ 10%</td></tr> </tbody> </table>	<b>Column #1 Riparian Classification</b>	<b>Column #2 Gross Basal Area (m<sup>2</sup>/ha) to be Retained within Riparian Management Zone (%)</b>	S1-A	≥ 20%	S1-B	≥ 20%	S2	≥ 20%	S3	≥ 20%	S4	≥ 10%	S5 (Valley Bottom)	≥ 10%	S5 (Non-Valley Bottom)	≥ 0%	S6	≥ 0%	All Wetland Classifications	≥ 10%	L1-A and L1-B Lake Classifications	≥ 0%	L2, L3 and L4 Classifications	≥ 10%
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### 2.2.5 Fish Habitat in Fisheries Sensitive Watersheds

**Objective:** Section 8.1 of the FPPR – Objectives Set by Government for Fish Habitat in Fisheries Sensitive Watersheds

- (1) “In this Section, “fisheries sensitive watershed” means an area identified in Schedule 2 of this regulation (a) that is continued under Section 180(f) of the Act and significant watershed sensitivity continued under Section 180(g) of the Act, and (b) for which there is no fisheries sensitive watershed objective.”
- (2) “Until December 31, 2005 the objective set by government for fish habitat in fisheries sensitive watersheds is to prevent to the extent described in Subsection (3) the cumulative hydrological effects of primary forest activities in the fisheries sensitive watershed resulting in a material adverse impact on the habitat of the fish species for which the fisheries sensitive watershed was established.”
- (3) “The objective set by government under Subsection (2) applies only to the extent that it does not unduly reduce the supply of timber from British Columbia’s forests.”
- (4) “If satisfied that the objective set out in Subsection (2) is not required to provide special management the minister responsible for the *Wildlife Act* must exempt a person from the requirement to specify a result or strategy in relation to the objective.

- (5) “If satisfied that the objective set out in Subsection (2) is addressed, in whole or in part, by an enactment, the minister responsible for the Wildlife Act must exempt a person from the requirement to specify a result or strategy in relation to the objective set out in Subsection (2) to the extent that the objective is already addressed.”

<b>Applicable Forest Development Unit(s)</b>	<b>Comment</b>
None	<p>Section 8.1(4) of the FPPR states “if satisfied that the objective set out in Subsection 2 is not required to provide special management, the minister responsible for the <i>Wildlife Act</i> must exempt a person from the requirement to specify a result or strategy in relation to the objective”.</p> <p>Considering there are no fisheries sensitive watersheds identified in Schedule 2 of the FPPR within the Chilliwack Natural Resource District, no results and/or strategies are required to meet the objective set by government for fish habitat in fisheries sensitive watersheds.</p>

## 2.2.6 Water in a Community Watershed

*Objective:* Section 8.2 of the FPPR – Objectives Set by Government for Water in Community Watersheds

- (1) “In this Section, “community watershed” means a community watershed (a) that is continued under Section 180(e) of the Act, and (b) for which a water quality objective has not been (i) continued under Section 181 of the Act, or (ii) established under the *Government Actions Regulation*.”
- (2) “The objective set by government for water being diverted for human consumption through a licensed waterworks in a community watershed is to prevent to the extent described in Subsection (3) the cumulative hydrological effects of primary forest activities within the community watershed from resulting in (a) a material adverse impact on the quantity of water or the timing of flow of the water from the waterworks, or (b) the water from the waterworks having a material adverse impact of human health that cannot be addressed by water treatment required under (i) an enactment, or (ii) the license pertaining to the waterworks.”
- (3) “The objective set by government under Subsection (2) applies only to the extent that it does not unduly reduce the supply of timber from British Columbia’s forests.”
- (4) “If satisfied that the objective set out in Subsection (2) is not required to provide special management the minister responsible for the *Wildlife Act* must exempt a person from the requirement to specify a result or strategy in relation to the objective.”
- (5) “If satisfied that the objective set out in Subsection (2) is addressed, in whole or in part, by an enactment, the minister responsible for the Wildlife Act must exempt a person from the requirement to specify a result or strategy in relation to the objective set out in Subsection (2) to the extent that the objective is already addressed.”

<b>Applicable Forest Development Unit(s)</b>	<b>Strategy</b>
Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, West Harrison & Yale	<p>The following Community Watersheds are applicable to this FSP: Domitian, Elbow, Adams Spring, Ascaphus, Cupola, Edmeston, Southbright, Spring, Watt, Young Creek, Ichilaka, Kopp, Edna, Sasquatch, Thunderbird, Dunville, Elk, Fin, Knox, Nevin, Parent, Volkert, Wells, Cannell Lake, Deroche, Kenworthy, Norrish, Campsite, Trite, Stormy, Choate, Inkawthia, Skeemis, Cohen, Pickney, Schkam Lake and Yale.</p> <p>In order to meet the objective described in Section 8.2(2) of the FPPR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• In conjunction with other potentially affected forest agreement holders, and preceding the commencement of primary forest activities, engage a qualified professional to conduct a Watershed Assessment (WA) for the community watershed in which the activities are proposed. Through the employment of a qualified professional(s), the assessment will be prepared to address the objectives described in Section 8.2(2) of the FPPR by assessing the equivalent clearcut area (ECA), road densities, terrain stability and general stream morphology and function. Subsequent assessments will be conducted at least once every 5 years, unless no primary forest activities have occurred or are proposed to occur in the community watershed(s) during that period.</li> <li>• Ensure that planned primary forest activities are designed and implemented to be consistent with the results and recommendations in the Watershed Assessment.</li> </ul>

### 2.2.7 Wildlife and Biodiversity – Landscape Level

**Objective:** Section 9 of the FPPR – Objectives Set by Government for Wildlife and Biodiversity – Landscape Level

“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.”

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
All	<p>In accordance with Section 12.1 (3) of the FPPR, “A person required to prepare a forest stewardship plan is exempt for that plan from the requirement under Section 5 of the Act that the plan specify intended results and strategies in relation to the objective for biodiversity at the landscape level set out in Section 9 of this regulation if the person (a) prepares the plan, including in it an undertaking that the person will comply with Sections 64 and 65 of this regulation, during the term of the plan, and (b) receives the minister’s approval to the plan.”</p> <p>The Plan Holders will adopt Sections 64 (Maximum Cutblock Size) and 65 (Harvesting Adjacent to Another Cutblock) of the FPPR during the term of the plan, as they existed in Legislation on the Date of Submission.</p>

## 2.2.8 Wildlife and Biodiversity – Stand Level

**Objective:** Section 9.1 of the FPPR – Objectives Set by Government for Wildlife and Biodiversity – Stand Level

“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.”

<b>Applicable Forest Development Unit(s)</b>	<b>Strategy</b>
Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Manning, Silverhope, Spuzzum, Tretheway, West Harrison & Yale	<p>For the Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Manning, Silverhope, Spuzzum, Tretheway, West Harrison, and Yale Forest Development Units, the Plan Holders have received Section 12.5(2) of the FPPR conditional exemption from Section 67 of the FPPR.</p> <p>Accordingly, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Maintain stand level structural diversity by retaining WTP or WTRA. Cutblocks for which harvesting has been completed, the Plan Holders will retain adequate amounts of WTP or WTRA to ensure that over each three year period, commencing on the date the objectives are established, the target retention percentage as noted in Objective 2 and Table A for the applicable Landscape Unit is achieved.</li> <li>• Ensure the following: <ul style="list-style-type: none"> <li>○ The WTP or WTRA must be well distributed across the BEC subzone and be located within or immediately adjacent to the cutblock;</li> <li>○ Each cutblock, greater than 10 hectares in size must have a minimum of 2% wildlife tree retention;</li> <li>○ Not harvest timber, including single tree selection, within a WTP or WTRA unless the trees on the net area to be reforested of the cutblock to which the WTP or WTRA relates have developed attributes that are consistent with a mature seral condition, or the following conditions have been met: <ul style="list-style-type: none"> <li>▪ The harvest of the WTP or WTRA timber is required due to: <ul style="list-style-type: none"> <li>• The construction of an access structure, where there is no other practicable location, or</li> <li>• The improvement of the harvesting operability of the adjacent cutblock, with specific regard to the isolation of timber or the limiting of a harvest opportunity, topographical conditions and stand attributes, as determined by a qualified professional, or</li> <li>• The salvage of windthrown or burnt timber where the harvesting of remaining standing stems is only permitted within a WTP or WTRA where catastrophic windthrow or burnt timber exceeds 50% of the dominant or co-dominant stems; or where forest health issues pose a significant threat to areas outside of the WTP or WTRA.</li> </ul> </li> </ul> </li> </ul> </li> </ul>

<b>Applicable Forest Development Unit(s)</b>	<b>Strategy</b>
	<ul style="list-style-type: none"> <li>▪ Where the WTP or WTRA was created by another Licensee, the Licensee has been consulted, to the extent practicable prior to harvest, to determine the significance of the original WTP or WTRA location in the context of meeting stand level wildlife and biodiversity requirements or the protection of non-timber forest values;</li> <li>▪ Where the WTP or WTRA was created by the Plan Holders, the qualified professional has been consulted, to the extent practicable prior to harvest, to determine the significance of the original WTP or WTRA location in the context of meeting stand level wildlife and biodiversity requirements or the protection of non-timber forest values;</li> <li>▪ The Plan Holders, in consideration of the significance of the original WTP or WTRA, has immediately identified and established a replacement WTP or WTRA that is of equivalent or better quality and quantity to the portion of the WTP or WTRA from which the timber is being harvested;</li> <li>▪ The replacement WTP or WTRA is reported to the government within one year; and</li> <li>▪ The WTP or WTRA replacement is completed by a qualified professional.</li> </ul> <ul style="list-style-type: none"> <li>○ The WTP or WTRA must include, if present, live or dead veteran trees (excluding danger trees) or remnant old growth patches;</li> <li>○ The WTP or WTRA must include representative larger trees for the stand and any existing moderate to high value wildlife trees (excluding danger trees); and</li> <li>○ Where differences exist between mapped and actual BEC subzones, subzones will be confirmed by a qualified professional.</li> </ul>
Fraser Valley South, Hatzic & Stave	<p>The Plan Holders will maintain stand level structural diversity by retaining WTP or WTRA in accordance with Section 66 (Wildlife Tree Retention) of the FPPR within the Fraser Valley South, Hatzic, and Stave Landscape Units.</p> <p>For the Fraser Valley South, Hatzic and Stave Forest Development Units, the Plan Holders have received Section 12.5(2) of the FPPR conditional exemption from Section 67 of the FPPR.</p> <p>Accordingly, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Ensure the following: <ul style="list-style-type: none"> <li>○ Not harvest timber, including single tree selection, within a WTP or WTRA unless the trees on the net area to be reforested of the cutblock to which the WTP or WTRA relates have developed attributes that are consistent with a mature seral condition, or the following conditions have been met: <ul style="list-style-type: none"> <li>▪ The WTP or WTRA must be well distributed across the BEC subzone and located within or immediately adjacent to a cutblock.</li> <li>▪ The harvest of the WTP or WTRA timber is required due to: <ul style="list-style-type: none"> <li>• The construction of an access structure, where there is no other practicable location, or</li> </ul> </li> </ul> </li> </ul> </li> </ul>

<b>Applicable Forest Development Unit(s)</b>	<b>Strategy</b>
	<ul style="list-style-type: none"> <li>• The improvement of the harvesting operability of the adjacent cutblock, with specific regard to the isolation of timber or the limiting of a harvest opportunity, topographical conditions and stand attributes, as determined by a qualified professional, or</li> <li>• The salvage of windthrown or burnt timber where the harvesting of remaining standing stems is only permitted within a WTP or WTRA where catastrophic windthrow or burnt timber exceeds 50% of the dominant or co-dominant stems; or where forest health issues pose a significant threat to areas outside of the WTP or WTRA.</li> </ul> <ul style="list-style-type: none"> <li>▪ Where the WTP or WTRA was created by another Licensee, the Licensee has been consulted, to the extent practicable prior to harvest, to determine the significance of the original WTP or WTRA location in the context of meeting stand level wildlife and biodiversity requirements or the protection of non-timber forest values;</li> <li>▪ Where the WTP or WTRA was created by the Plan Holders, the qualified professional has been consulted, to the extent practicable prior to harvest, to determine the significance of the original WTP or WTRA location in the context of meeting stand level wildlife and biodiversity requirements or the protection of non-timber forest values;</li> <li>▪ The Plan Holders, in consideration of the significance of the original WTP or WTRA, has immediately identified and established a replacement WTP or WTRA that is of equivalent or better quality and quantity to the portion of the WTP or WTRA from which the timber is being harvested;</li> <li>▪ The replacement WTP or WTRA is reported to the government within one year; and</li> <li>▪ The WTP or WTRA replacement is completed by a qualified professional.</li> </ul>

### 2.2.9 Visual Quality

**Objective:** Section 9.2 of the FPPR – Objectives Set by Government for Visual Quality

- (1) “In this section: “scenic area” means an area of land established as a scenic area under the *Forest Practices Code of British Columbia Act* on or before October 24, 2002 and continued as a scenic area under Section 180 of the Act; “visual sensitivity class” means a visual sensitivity class established on or before October 24, 2002, particulars of which are publicly available in the Land and Resource Data Warehouse maintained by the minister responsible for the *Land Act*.”



- (2) “The objective set by government in relation to visual quality for a scenic area, that (a) was established on or before October 24, 2002, and (b) for which there is no visual quality objective is to ensure that the altered forest landscapes for the scenic area (c) in visual sensitivity class 1 is in either the preservation or retention category, (d) in visual sensitivity class 2 is in either the retention or partial retention category, (e) in visual sensitivity class 3 is in either the partial retention or modification category, (f) in visual sensitivity class 4 is in either the partial retention or modification category, and (g) in visual sensitivity class 5 is in either the modification or maximum modification category.”

<b>Applicable Forest Development Unit(s)</b>	<b>Result</b>
All	<p>A result and/or strategy to address Section 9.2(2) of the FPPR is not required as visual quality objectives have been continued and established by means of Section 7 and 17 of the <i>Government Actions Regulation</i> (GAR).</p> <p>Section 7 of the GAR states: “(1) The minister responsible for the <i>Land Act</i> by order may establish an area as a scenic area if satisfied that the area (a) is visually important based on its physical characteristics and public use, and (b) required special management that has not otherwise been provided for by this regulation or another enactment, and (2) The minister responsible for the <i>Forest Act</i> by order may establish for a scenic area visual quality objectives that are consistent with subsection (1) and are within the categories of altered forest landscape prescribed under section 1.1 of the <i>Forest Planning and Practices Regulation</i>.”</p> <p>Section 17 of the GAR states: “A visual quality class for a scenic area is continued under this regulation as a visual quality objective if (a) the visual quality class has been (i) set out before October 24, 2002 in a letter from the District Manager to the holder of an agreement under the <i>Forest Act</i>, or (ii) included in the most recent tree farm license visual landscape inventory prepared by the holder of a tree farm license and approved by the regional manager, and (b) is in existence on the coming into force of this section.”</p> <p>The Plan Holders will design timber harvesting and road construction activities in a manner that is consistent with the established visual quality objectives, defined in Section 1.1 of the FPPR, that are in effect on the Legislated Planning Date and applicable to the Scenic Areas in which the timber harvesting or road construction activities are located.</p> <p>The Plan Holders will harvest timber and construct road in a manner consistent with the design and the visual quality objective referred to in the previous paragraph.</p> <p>For the purposes of designing timber harvesting and road construction activities:</p> <ul style="list-style-type: none"> <li>• Dead or damaged stands are considered to have the same visual quality as though they were unaltered, and</li> <li>• Powerlines and/or utility corridors are not considered to impact visual quality.</li> </ul>

## 2.2.10 Cultural Heritage Resources

**Objective:** Section 10 of the FPPR – Objectives Set by Government for Cultural Heritage Resources

“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 Indigenous people that is of continuing importance to that people, and (b) not regulated under the *Heritage Conservation Act*.”

<b>Applicable Forest Development Unit(s)</b>	<b>Strategy</b>
All	<p>Within the FDU’s described within this FSP, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Ensure that a primary forest activity to which this FSP applies will not cause a cultural heritage resource that is: <ul style="list-style-type: none"> <li>○ referred to in Section 10 of FPPR, as it was on the Date of Submission;</li> <li>○ likely to be adversely impacted by that primary forest activity;</li> <li>○ not conserved or protected through: <ul style="list-style-type: none"> <li>▪ legislation, plans or policies; or</li> <li>▪ other means or arrangements, developed or accepted through information sharing with an Indigenous People; and</li> </ul> </li> <li>○ important, valuable and scarce in the context of a traditional use by an Indigenous People, based on input from an Indigenous People,</li> </ul> <p>to become unavailable for its continuing extent of use by an Indigenous People up to the historical extent of its traditional use by that Indigenous People, unless it is confirmed by provincial government agencies in consultation with that Indigenous People that it is not necessary to conserve or protect the cultural heritage resource.</p> <ul style="list-style-type: none"> <li>• Share information with Indigenous People regarding primary forest activities, to which this FSP applies, that are proposed within the asserted traditional territory of that Indigenous People and are likely to affect that Indigenous People: <ul style="list-style-type: none"> <li>○ according to established agreements made by provincial government agencies with an Indigenous People for information sharing in respect of timelines and content of information provided; or</li> <li>○ as determined by a qualified professional based on those factors in FPPR Schedule 1, Section 4 where no agreements made by government with an Indigenous People are in place.</li> </ul> </li> <li>• Establish a communications protocol agreement in writing if requested by an Indigenous People and, if established, follow that agreement, in which case the preceding bullet will not apply in respect of that Indigenous People.</li> <li>• Where practicable, develop and implement mutually agreed upon management strategies for Cultural Heritage Resources based on information provided by an Indigenous People with the Indigenous People likely affected by management strategies.</li> </ul> </li></ul>

Applicable Forest Development Unit(s)	Strategy
	<ul style="list-style-type: none"> <li>At the request of an Indigenous People, establish a protocol agreement with that Indigenous People for identifying a current and/or future supply of western red cedar and cypress trees suitable for traditional use and not cause, as a result of primary forestry activities, this supply to become unavailable for their continuing extent of use by an Indigenous People up to the extent of historical use.</li> </ul>

### 2.3 Objectives in Addition to Those Set by Government

There are additional objectives that require the preparation of results, strategies and/or measures described in the *Forest Planning and Practices Regulation* that are not included in Section 149(1) of the *Forest and Range Practices Act* or Sections 5 through 10 of the *Forest Planning and Practices Regulation*. As previously mentioned, these sections specify the objectives set by government with regard to forest management and development activities on crown lands. The following sections of this FSP detail the objectives not established by government, but those that still require the drafting of appropriate results, strategies and/or measures.

#### 2.3.1 Prevention of the Introduction & Spread of Invasive Plants

*Objective:* Section 17 of the FPPR – Invasive Plants  
 “For the purpose of Section 47 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.”

Applicable Forest Development Unit(s)	Measure
All	<p>In respect of the objective, invasive plant species are those identified in Section 2 of the <i>Invasive Plants Regulation</i>.</p> <p>The measures to prevent the introduction and spread of invasive plants to be undertaken by the Plan Holders are as follows:</p> <ul style="list-style-type: none"> <li>Use a qualified professional to monitor the presence and spread of invasive plant species while conducting field related forest management activities within cutblocks and roads that are subject to a permit held by the Plan Holders within the FDU’s identified in the FSP.</li> <li>Record any observed occurrences of invasive plant species and annually report their presence through the Invasive Alien Plan Program (IAPP) Application.</li> <li>In areas where invasive plants have been identified and more than 0.25 hectares of contiguous mineral soil has been exposed by road or landing construction or scarification within a cutblock (‘the disturbed area’), a qualified professional will prescribed revegetation activities based on a risk assessment for the site and the invasive plant species characteristics. The risk assessment will include one or</li> </ul>

<b>Applicable Forest Development Unit(s)</b>	<b>Measure</b>
	<p>more of the following considerations:</p> <ul style="list-style-type: none"> <li>○ Biogeoclimatic ecosystem;</li> <li>○ Proximity to parks or protected areas;</li> <li>○ Proximity to WHA's;</li> <li>○ Proximity to identified First Nations plant use areas;</li> <li>○ Proximity to riparian areas;</li> <li>○ Proximity to town centers;</li> <li>○ Invasive plant species dispersal and reproduction mechanisms; and</li> <li>○ Invasive plant species annual dispersal/spread rate.</li> </ul> <ul style="list-style-type: none"> <li>● Where re-vegetation is prescribed, re-vegetate the disturbed area within two years of disturbance and within the growing season, with the exclusion of the road surface of active roads, if: <ul style="list-style-type: none"> <li>○ Such disturbance is likely to result in the introduction or spread of invasive plants species identified with the area; and</li> <li>○ Such re-vegetation will materially reduce the likelihood or the spread of invasive plant species identified in the area.</li> </ul> </li> <li>● Use seed to re-vegetate disturbed areas that will meet or exceed the Common #1 Forage mixture.</li> <li>● Monitor the re-vegetated areas as prescribed by a qualified professional.</li> </ul>

### 2.3.2 Mitigating the Effect of Removing or Rendering Ineffective Natural Range Barriers

**Objective:** Section 18 of the FPPR – Natural Range Barriers  
“For the purpose of Section 48 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.”

<b>Applicable Forest Development Unit(s)</b>	<b>Measure</b>
Chilliwack & Fraser Valley South	<p>In respect of the objective, the measures to mitigate of the effect of removing or rendering ineffective natural range barriers to be undertaken by the Plan Holders are as follows:</p> <ul style="list-style-type: none"> <li>● Gather information from the Ministry of Forests’ district range staff or regional experts to identify areas within the FDU’s that are subject to or adjacent to range tenures under the <i>Range Act</i>.</li> <li>● Prior to commencement, inform affected range tenure holders of planned primary forest activities within or immediately adjacent to their range tenure.</li> <li>● Where the affected range tenure holder communicates that the primary forest activity will remove or render ineffective a natural range barrier, the Plan Holders will carry out reasonable and mutually agreed upon measures, within an agreed upon time, to mitigate the effect of removing or rendering ineffective a natural range barrier.</li> </ul>

### 2.3.3 Recreation Resources and Features

Section 56 of the FRPA enables the minister to order the establishment of crown land as an interpretive forest site, a recreation site or a recreation trail.

<b>Applicable Forest Development Unit(s)</b>	<b>Strategy</b>
Chilliwack	<p>Under the authority of Section 56 of the <i>Forest and Range Practices Act</i>, the Regional Manager for the Coast Recreation Region established objectives on October 10, 2012 for the following Recreation Trails: Baby Munday Trail, Elk-Thurston Trail, Ford Mountain Trail, Ling Lake Trail, Mount Cheam Trail, Mount McGuire Trail, Mount Rexford Trail, Pierce Lake Trail, Slesse Memorial Trail, Slesse Mountain Trail, Vedder Mountain Trail, Williams Peak Trail and Williamson Lake Trail.</p> <p>In respect of the established objectives for these trails, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Maintain the unique recreation experience of hiking through a forested and sub-alpine setting by: <ul style="list-style-type: none"> <li>○ Ensuring primary forest activities are designed to follow the targets/actions described in the 'Guidance Document for Established Trails with Legal Objectives in the Chilliwack River Valley' as provided by the Chilliwack Natural Resource District Recreation Officer.</li> <li>○ Obtaining and following recommendations from the Chilliwack Natural Resource District Recreation Officer, should primary forest activities vary from the targets/actions as described in the 'Guidance Document for Established Trails with Legal Objectives in the Chilliwack River Valley', prior to seeking approval from a Delegated Decision Maker.</li> </ul> </li> <li>• Avoid building access structures over the established recreation trail unless no other practicable alternative exists.</li> <li>• Maintain any new access structures in a manner that makes the best effort to prevent all motorized vehicles from accessing the trail by potentially employing one or more of the following options: <ul style="list-style-type: none"> <li>○ Establish a gate on the access road to prevent motorized vehicle access.</li> <li>○ Excavate/deactivate the road prism to the extent that a motorized vehicle is unable to pass.</li> <li>○ Place large, unmovable boulders on the access road to prevent motorized vehicle access.</li> <li>○ In combination with one of the above options, establish deep ditchline(s) to further prevent motorized vehicle access.</li> </ul> </li> </ul>
Anderson, Big Silver, Chehalis, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison & Yale	<p>There are no known designated recreation trails, recreation sites or interpretive forests, recognized under the FPC and continued under the FRPA, with established legal objectives and/or measures within the FDU's outlined within this Forest Stewardship Plan; therefore, no results and/or strategies are proposed to address the objective related to designated recreation sites, recreation trails and interpretive forests.</p>

### 2.3.4 Resource Features

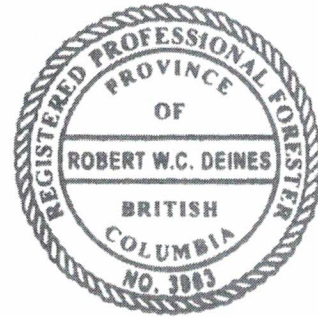
**Objective:** Section 70(1) of the FPPR – Resource Features  
 “An authorized person who carries out a primary forest activity must ensure that the primary forest activity does not damage or render ineffective a resource feature.”

<b>Applicable Forest Development Unit(s)</b>	<b>Comment</b>
<p>Chilliwack, Fraser Valley South &amp; Silverhope</p>	<p>Section 1 of the FPPR states a resource feature means “a resource feature identified under the <i>Government Actions Regulation</i>”.</p> <p>In respect of the Order to Identify Karst Resource Features in the Chilliwack Forest District pursuant to Section 5 of the <i>Government Actions Regulation</i>, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Preceding the commencement of primary forest activities within the ‘Karst GAR Order Area’, engage a qualified professional to conduct an assessment related to karst caves, the important features and elements within very high or high vulnerability karst terrain and significant karst features.</li> <li>• Manage any area known or found to contain karst resource features as recommended in the assessment prepared by a qualified professional.</li> <li>• Provide information related to karst resources features encountered at the request of the applicable government agency.</li> </ul>
<p>East Harrison</p>	<p>Section 1 of the FPPR states a resource feature means “a resource feature identified under the <i>Government Actions Regulation</i>”.</p> <p>In respect of the Order to Identify a Cultural Heritage Resource Feature on Mt. Woodside (Kweh-Kwuch-Hum) for the Chilliwack Forest District pursuant to Section 5(1)(e) of the GAR, the Plan Holders will:</p> <ul style="list-style-type: none"> <li>• Not engage in primary forest activities within the High Cultural Features and Use Area (Red Zone) and the Dispersed Cultural Features and Use Area (Yellow Zone) unless otherwise permitted in the Order and with the consent of the applicable Indigenous People(s).</li> </ul>

**3.0 Signatures**

**Signature of Person Preparing the Plan:**

Rob Deines, RPF  
Chartwell Resource Group Ltd.  
#210 – 275 Fell Avenue  
North Vancouver, BC V7P 3R5



Name:   
Rob Deines, RPF

Date: May 31, 2023

**Signature of Licensee Representative:**


John Iacoviello, RPF  
Probyn Log Ltd.  
Suite 350 – 601 Sixth Street  
New Westminster, BC V3L 3C1

Name:   
John Iacoviello, RPF

Date: May 31, 2023

**Signature of Licensee Representative:**


Matt Wealick  
Yale First Nation  
PO Box 1869  
Hope, BC V0X 1L0

Name:   
Matt Wealick

Date: May 31, 2023

**Signature of Licensee Representative:**

Chief Andrew Victor  
Cheam First Nation  
52161 W Victor Drive  
Rosedale, BC V0X 1X1

Name:   
Chief Andrew Victor

Date: May 31, 2023

**Signature of Licensee Representative:**

Matt Wealick  
Seabird Island Forestry Limited Partnership  
2895 Chowat Road  
Agassiz, BC V0M 1A0

Name:   
Matt Wealick

Date: May 31, 2023

**Signature of Licensee Representative:**

Matt Wealick  
Skwo:wech Forestry Limited Partnership  
12892 Moses Drive  
Lake Errock, BC V0M 1N0

Name:   
Matt Wealick

Date: May 31, 2023



## 4.0 Appendices

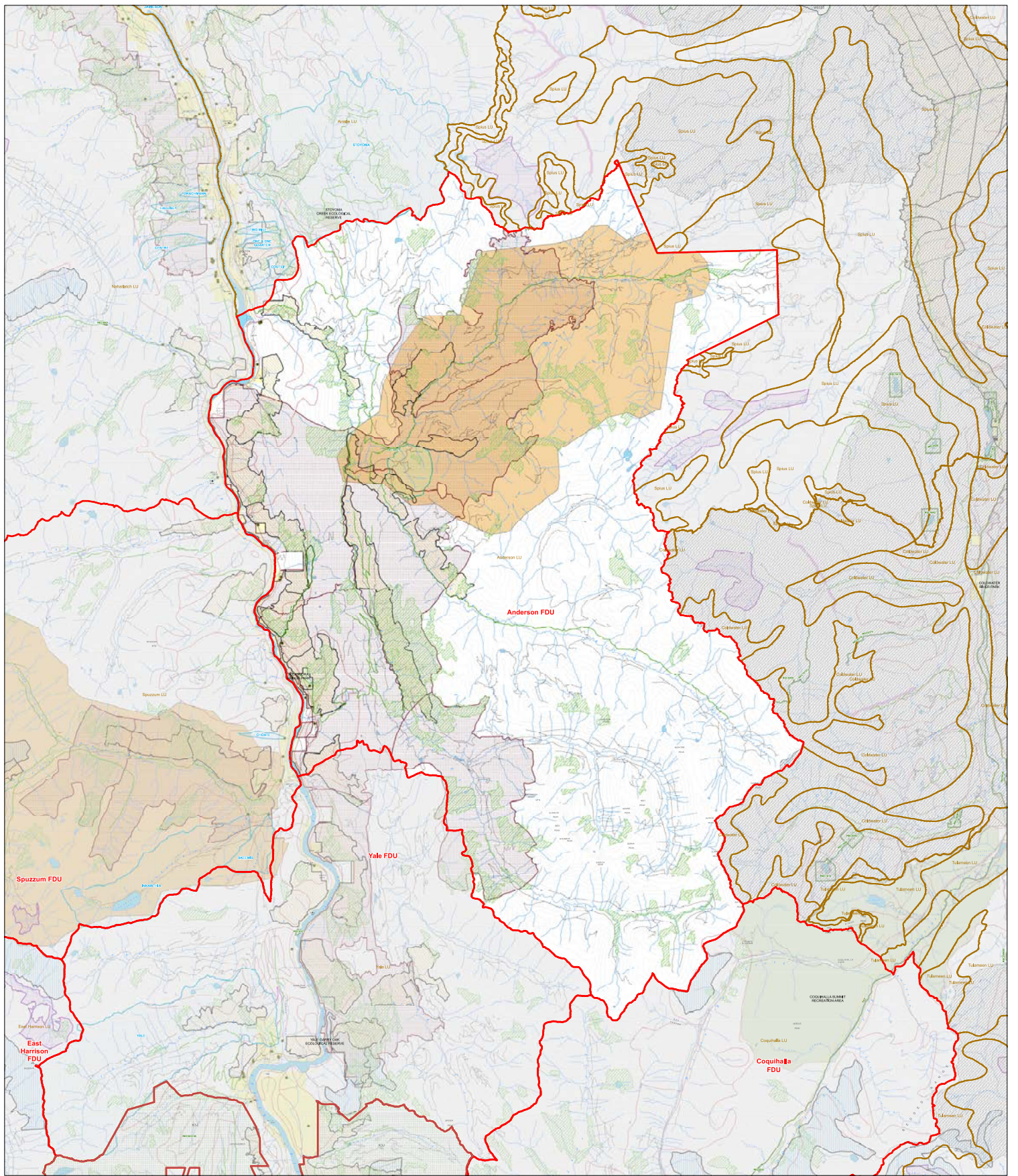
- Appendix 1 • Forest Stewardship Plan Maps
- Appendix 2 • Stocking Standards
- Appendix 3 • List of Active Cutting Permits (Active Road Permits on FSP Maps)



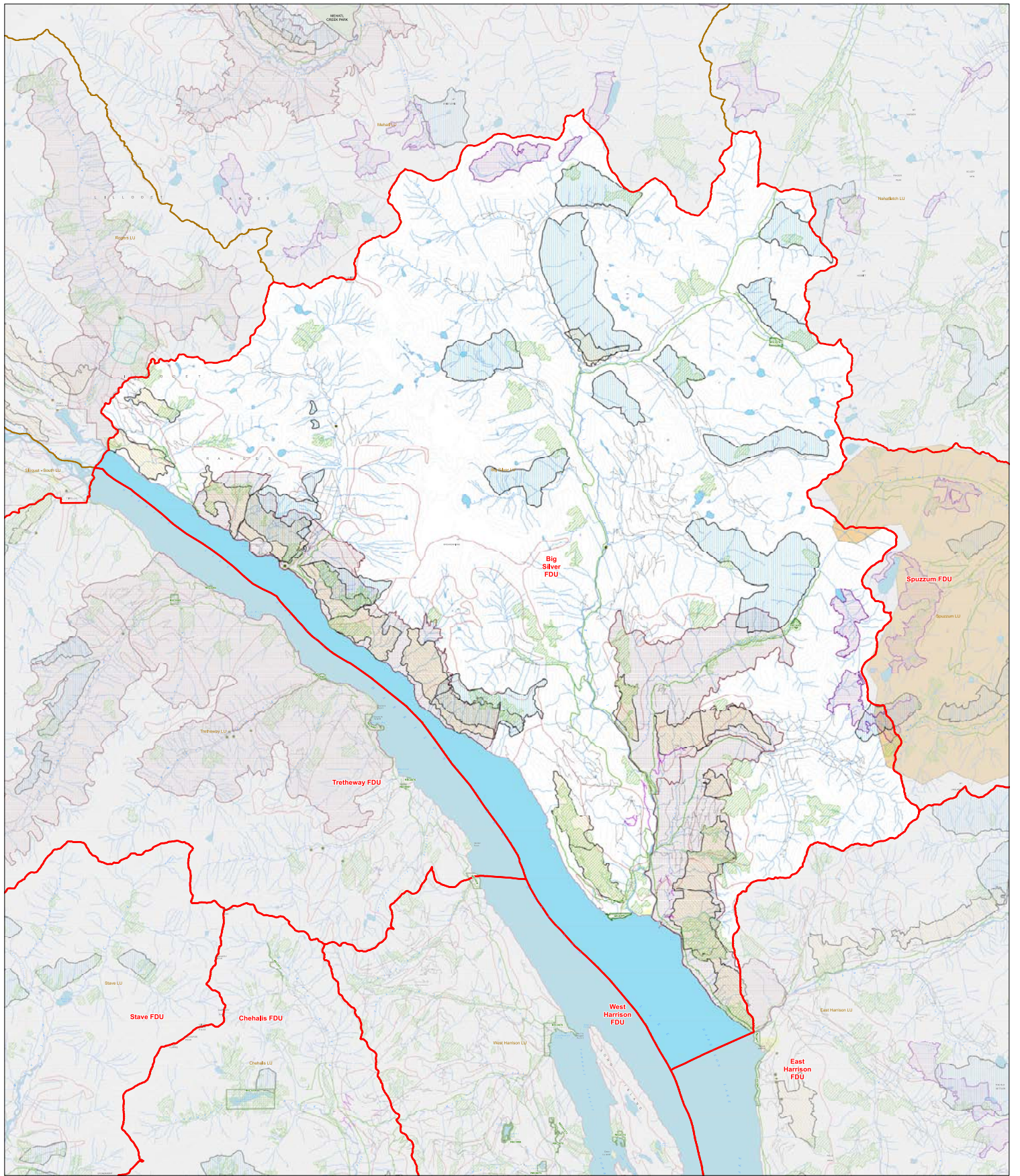
# **Appendix 1**

## **Forest Stewardship Plan Maps**

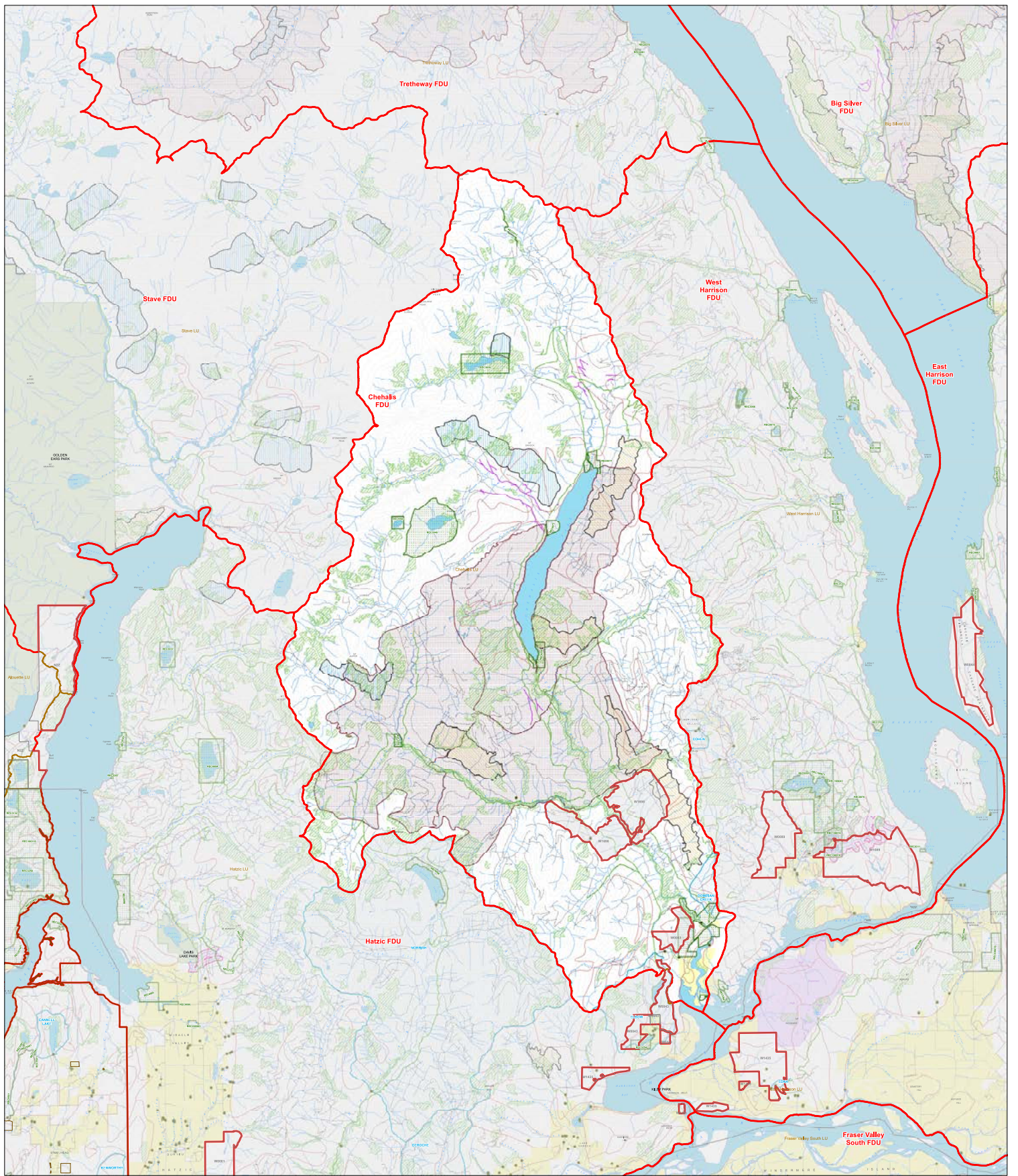
(Larger Forest Stewardship Plan Maps are Included as Separate Attachments)



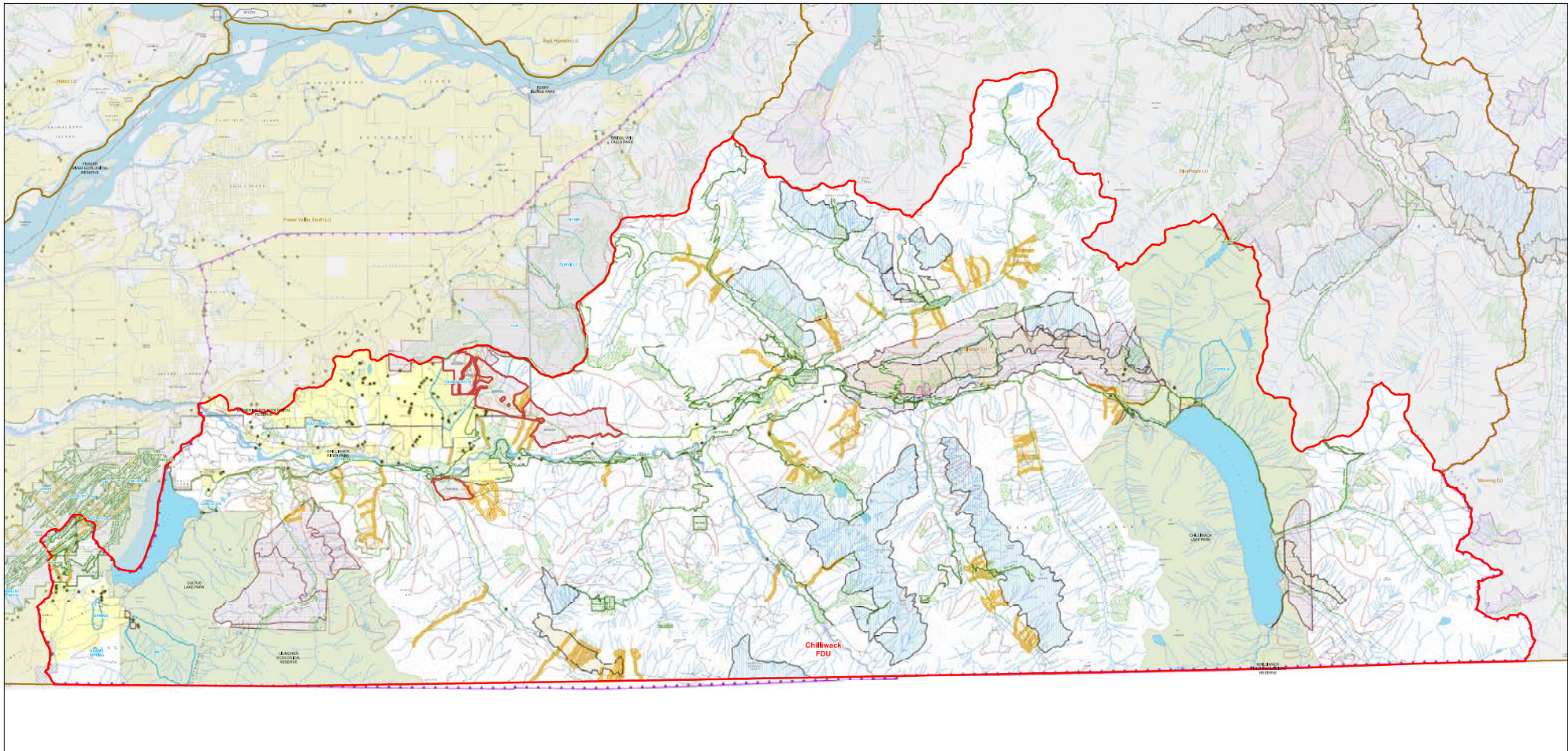
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<p><b>Tenure &amp; Status</b></p> <ul style="list-style-type: none"> <li>Water Licence - Point of Diversion</li> <li>Road Under Permit (RP)</li> <li>Forest Service Road (FSR)</li> <li>Forest Development Unit</li> <li>Landscape Unit</li> <li>Park / Protected Area</li> <li>Private Land</li> <li>Woodlot or Community Forest Licence</li> <li>Tree Farm Licence</li> <li>Municipality</li> <li>Spotted Owl Designated Area</li> </ul>	<p><b>Management Areas</b></p> <ul style="list-style-type: none"> <li>Recreation Trail</li> <li>Recreation Site, Reserve, or Interpretive Forest</li> <li>Designated Community Watershed</li> <li>Range Tenure Polygon</li> <li>Scenic Area</li> <li>Old Growth Management Area (OGMA)</li> <li>Cultural Heritage Resource Feature</li> <li>Karst Feature</li> <li><b>Approved Ungulate Winter Ranges (UWR)</b></li> <li>Mountain Goat</li> <li>Black-tailed Deer/Mule Deer</li> </ul>	<p><b>Approved Wildlife Habitat Areas (WHA)</b></p> <ul style="list-style-type: none"> <li>Pacific Tailed Frog (Not Applicable)</li> <li>Pacific Giant Salamander</li> <li>Fall Bugliana</li> <li>Mountain Beaver</li> <li>Grizzly Bear</li> <li>Pacific Water Shrew</li> <li>Spotted Owl</li> <li>Northern Goshawk</li> </ul>	<p><b>Planimetric Features</b></p> <ul style="list-style-type: none"> <li>Road</li> <li>Paved Road</li> <li>100m Contour Line</li> <li>Stream</li> <li>Lake / Major Watercourse</li> <li>Glacier / Icefield</li> </ul>	<p>Inset map showing the location of the Big Silver FDU within a larger regional context.</p>	<p>Scale: 0 1,000 2,000 4,000 Meters</p> <p>Chartwell logo</p> <p>Date: 2023/02/20 Project Number: 19222</p>	<p><b>PROBYN LOG LTD.</b></p> <p>Forest Stewardship Plan Map</p> <p><b>Big Silver FDU</b></p>
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<p><b>Tenure &amp; Status</b></p> <ul style="list-style-type: none"> <li>Water Licence - Point of Diversion</li> <li>Road Under Permit (RP)</li> <li>Forest Service Road (FSR)</li> <li>Forest Development Unit</li> <li>Landscape Unit</li> <li>Park / Protected Area</li> <li>Private Land</li> <li>Woodlot or Community Forest Licence</li> <li>Tree Farm Licence</li> <li>Municipality</li> <li>Spotted Owl Designated Area</li> </ul>	<p><b>Management Areas</b></p> <ul style="list-style-type: none"> <li>Recreation Trail</li> <li>Recreation Site, Reserve, or Interpretive Forest</li> <li>Designated Community Watershed</li> <li>Range Tenure Polygon</li> <li>Scenic Area</li> <li>Old Growth Management Area (OGMA)</li> <li>Cultural Heritage Resource Feature</li> <li>Karst Feature</li> </ul> <p><b>Approved Ungulate Winter Ranges (UWR)</b></p> <ul style="list-style-type: none"> <li>Mountain Goat</li> <li>Black-tailed Deer/Mule Deer</li> </ul>	<p><b>Approved Wildlife Habitat Areas (WHA)</b></p> <ul style="list-style-type: none"> <li>Pacific Tailed Frog (Not Applicable)</li> <li>Pacific Giant Salamander</li> <li>Fall Bugliana</li> <li>Mountain Beaver</li> <li>Grizzly Bear</li> <li>Pacific Water Shrew</li> <li>Spotted Owl</li> <li>Northern Goshawk</li> </ul>	<p><b>Planimetric Features</b></p> <ul style="list-style-type: none"> <li>Road</li> <li>Paved Road</li> <li>100m Contour Line</li> <li>Stream</li> <li>Lake / Major Watercourse</li> <li>Glacier / Icefield</li> </ul>		<p>Chartwell Date: 10/20/2021 Project Number: 10222</p>	<p><b>Forest Stewardship Plan Map</b></p> <p><b>Chehalis FDU</b></p>
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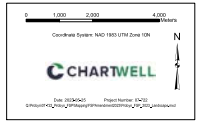
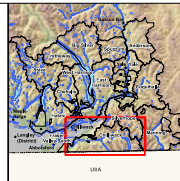
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- Water Licence - Point of Diversion
  - Road Under Permit (RP)
  - Forest Service Road (FSR)
  - Forest Development Unit
  - Landscape Unit
  - Park / Protected Area
  - Private Land
  - Woodlot or Community Forest Licence
  - Tree Farm Licence
  - Municipality
  - Spotted Owl Designated Area

- Management Areas**
- Recreation Trail
  - Recreation Site, Reserve, or Interpretive Forest
  - Designated Community Watershed
  - Range Tenure Polygon
  - Scenic Area
  - Old Growth Management Area (OGMA)
  - Cultural Heritage Resource Feature
  - Karst Feature

- Approved Wildlife Habitat Areas (WHA)**
- Pacific Tailed Frog (Not Applicable)
  - Tall Bugbane
  - Mountain Beaver
  - Grizzly Bear
  - Pacific Water Shrew
  - Spotted Owl
  - Northern Goshawk

- Approved Ungulate Winter Ranges (UWR)**
- Mountain Goat
  - Black-tailed Deer/Mule Deer

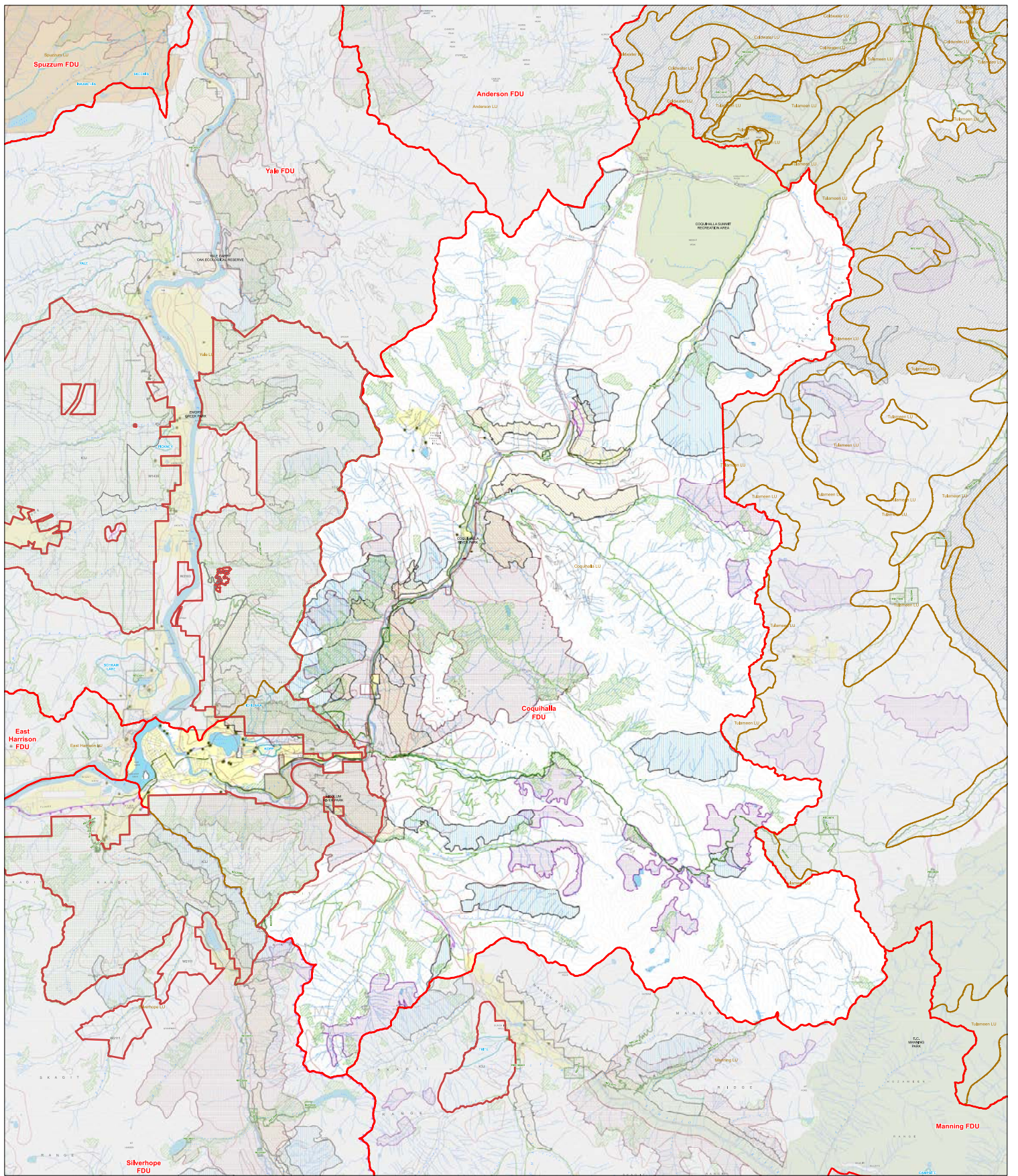
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- Road
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  - 100m Contour Line
  - Stream
  - Label / Major Watercourse
  - Glacier / Icefield



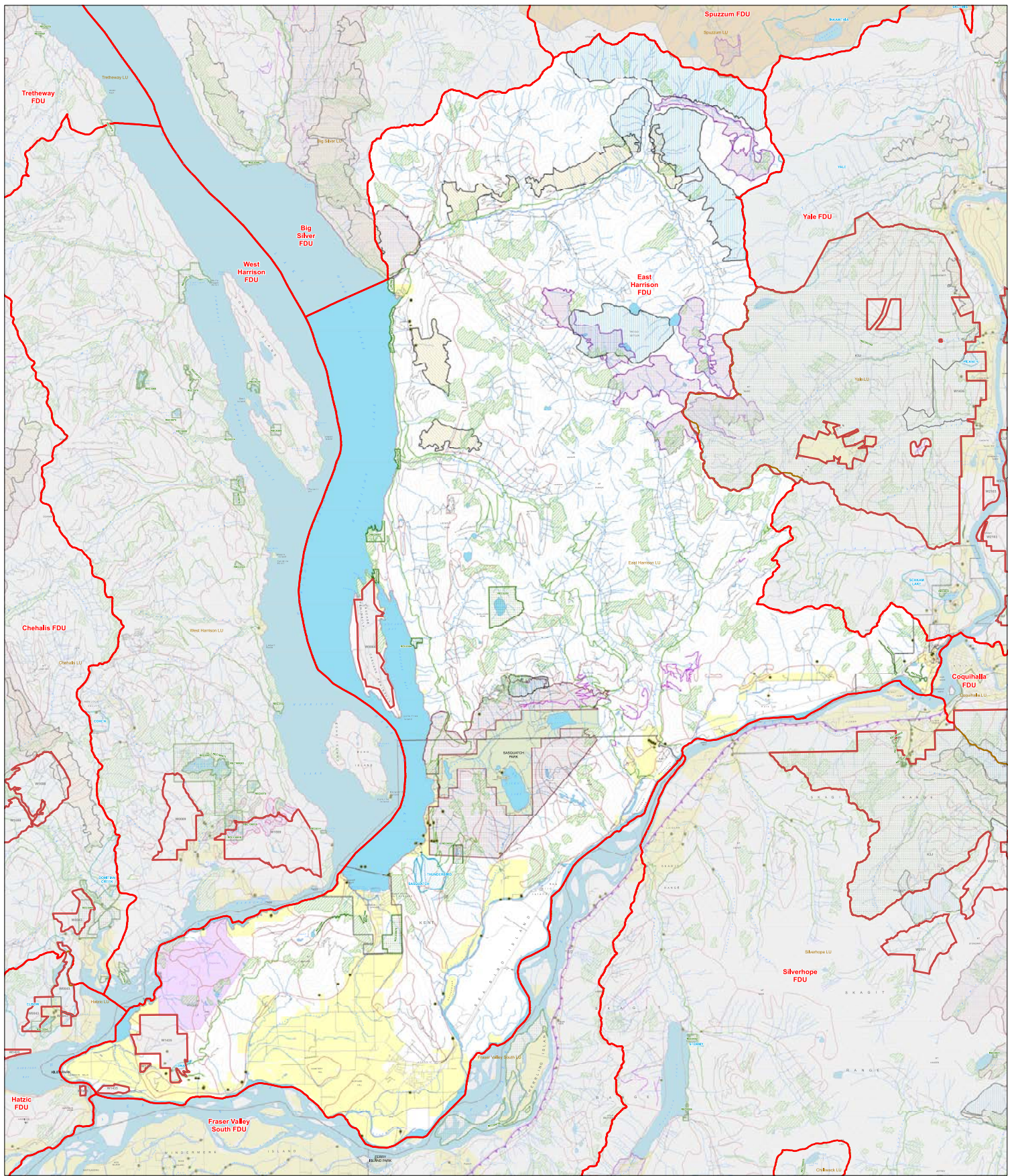
**PROBYN LOG LTD.**

**Forest Stewardship Plan Map**

**Chilliwack FDU**

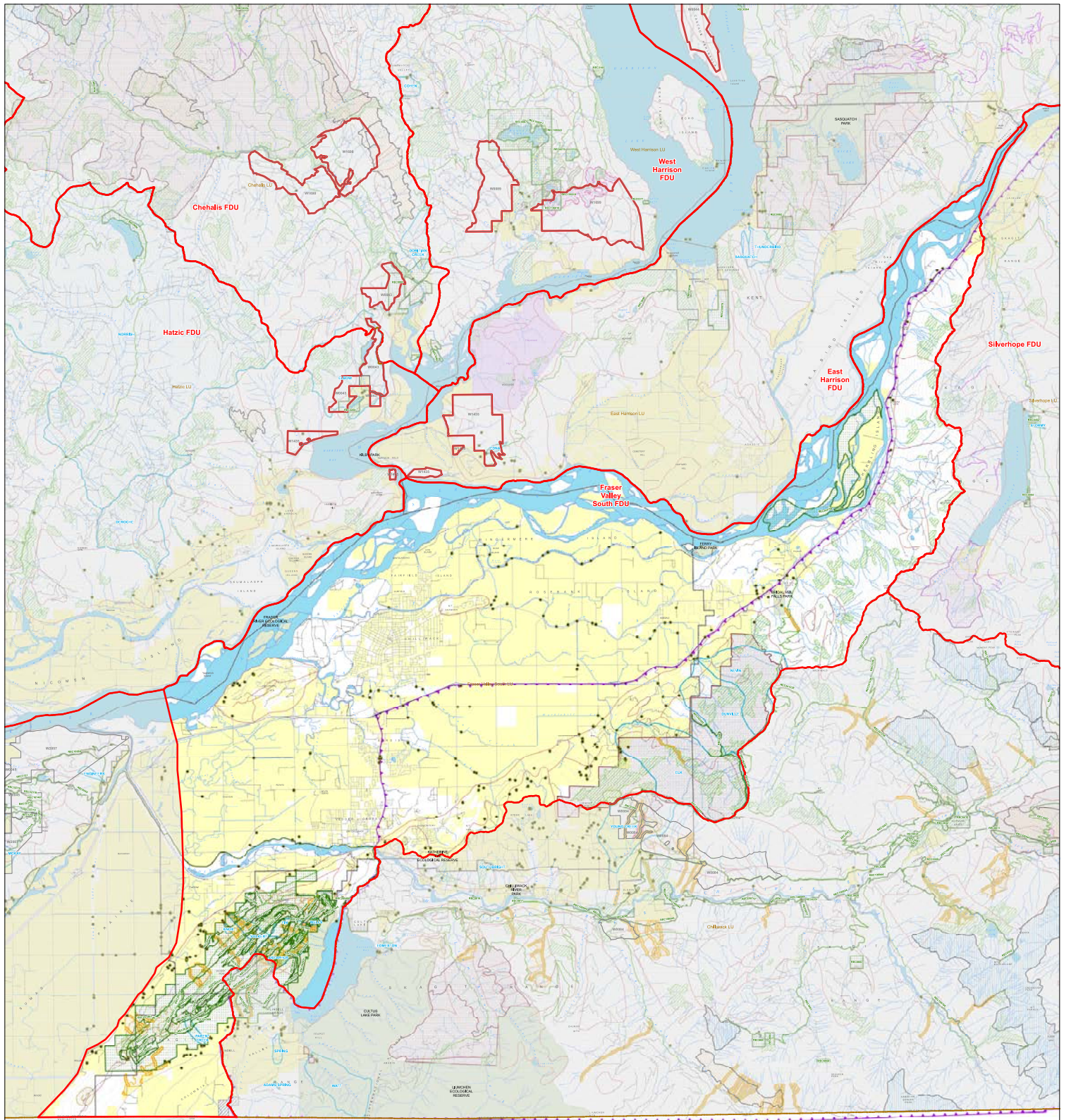


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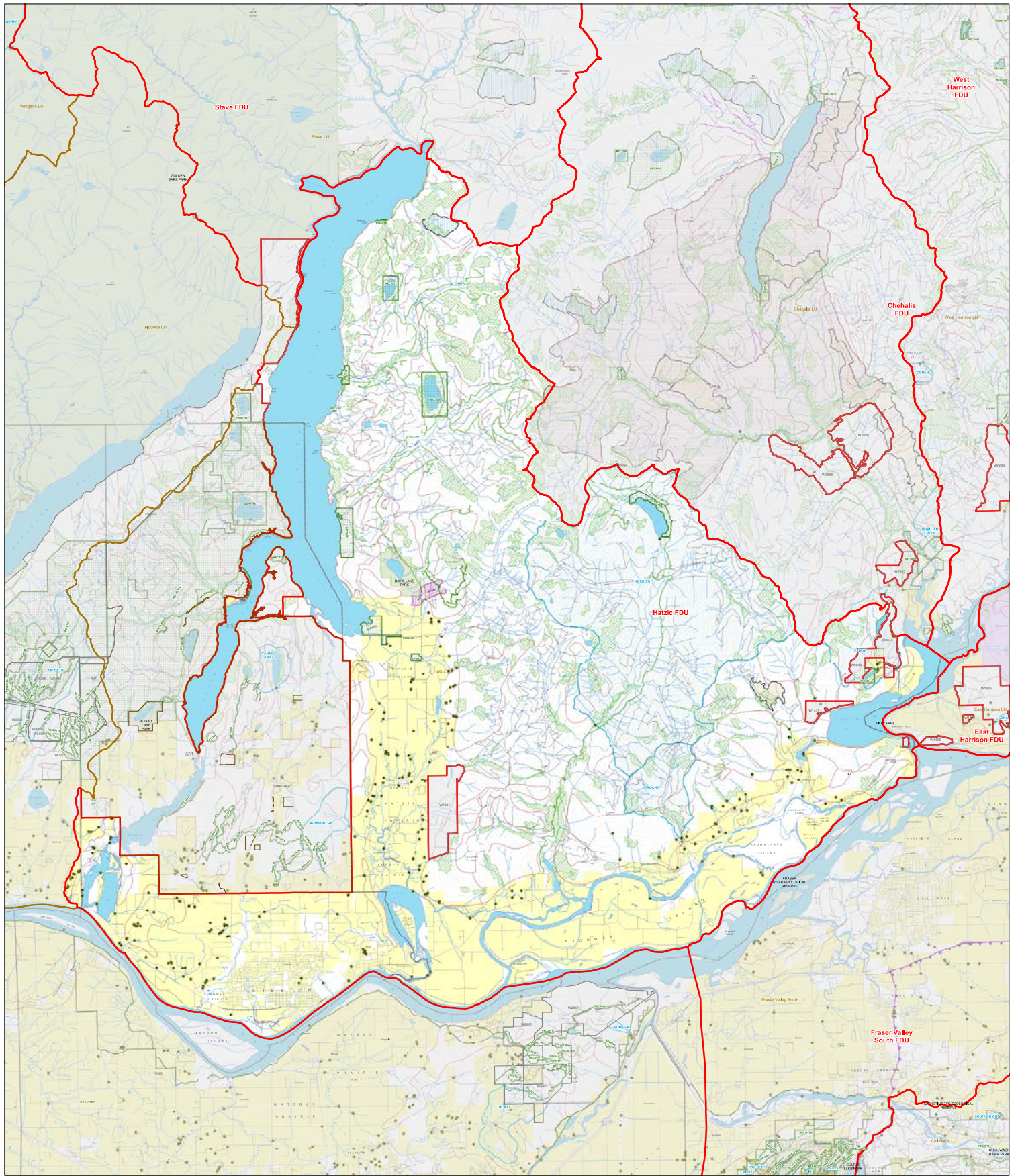


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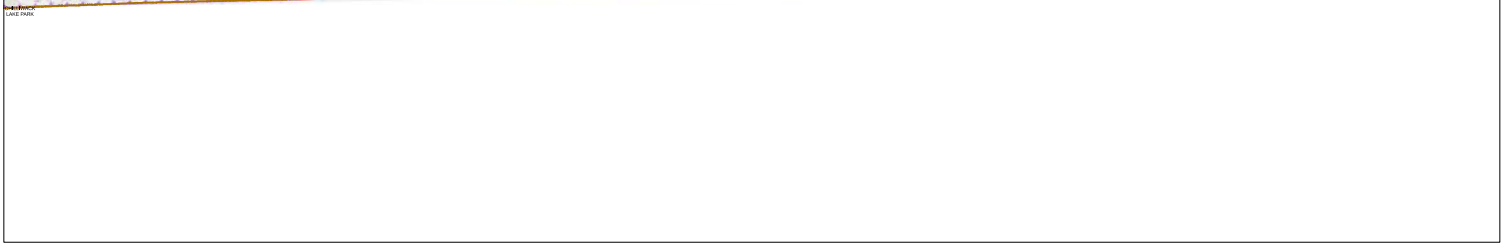
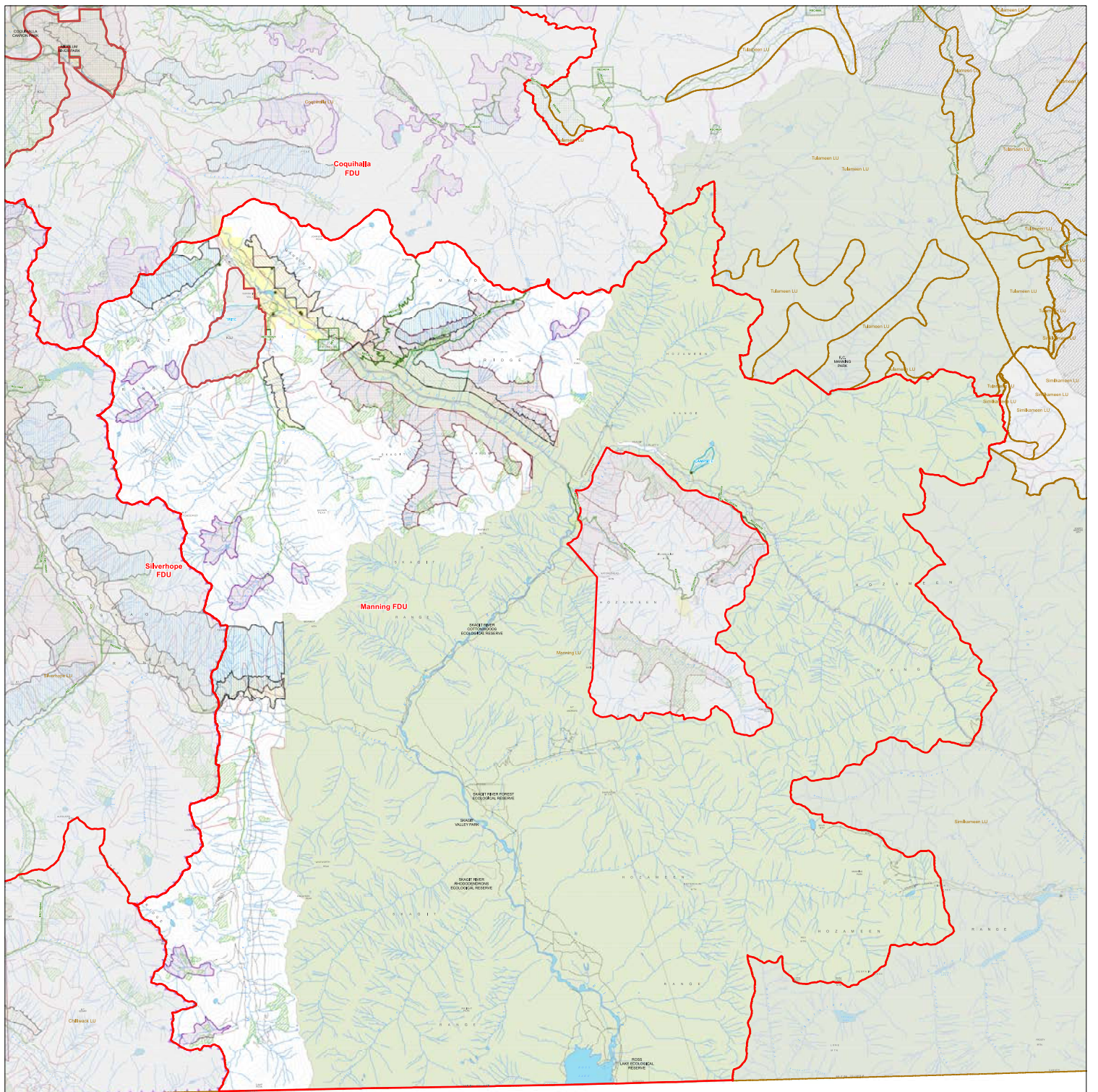




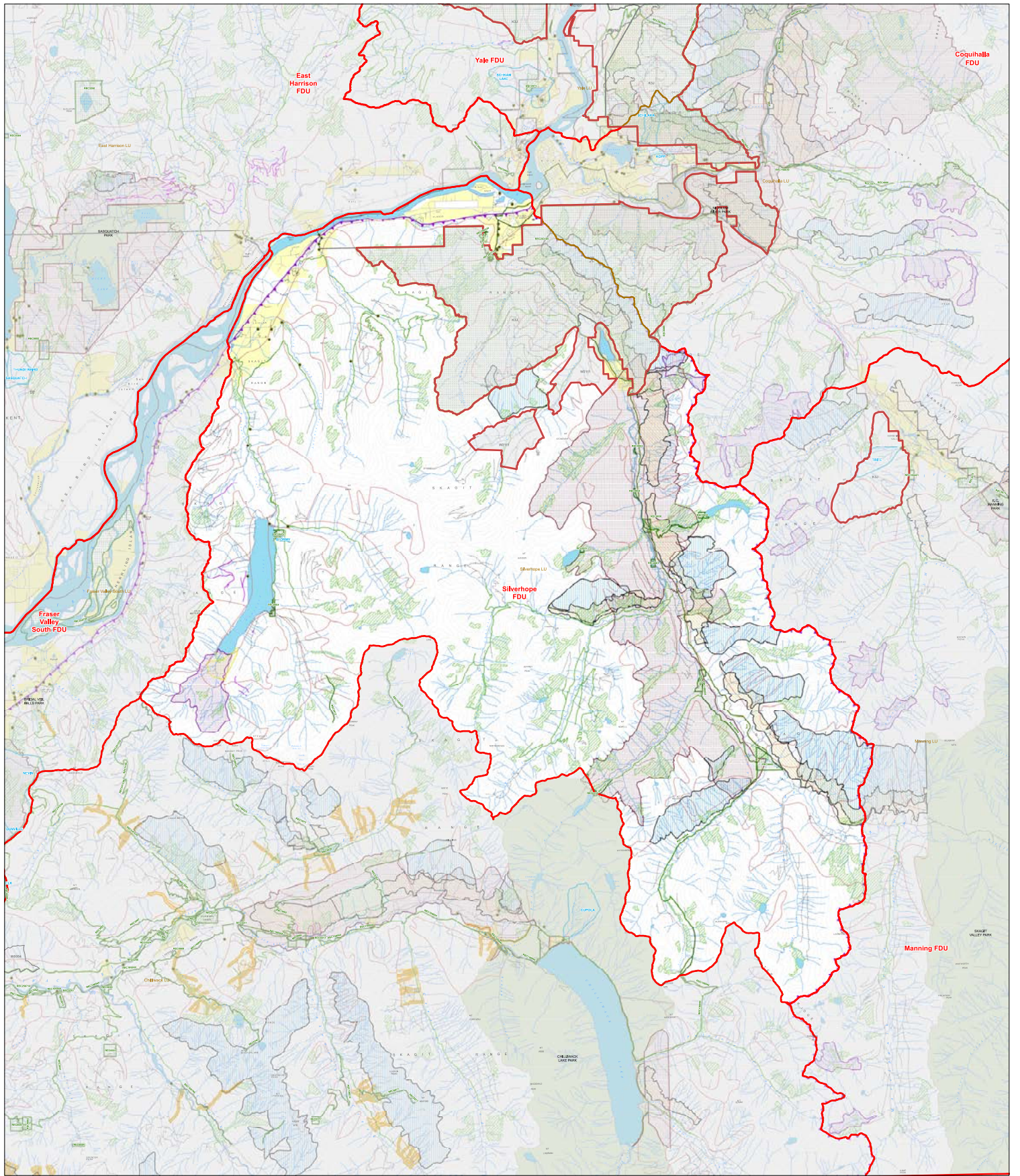
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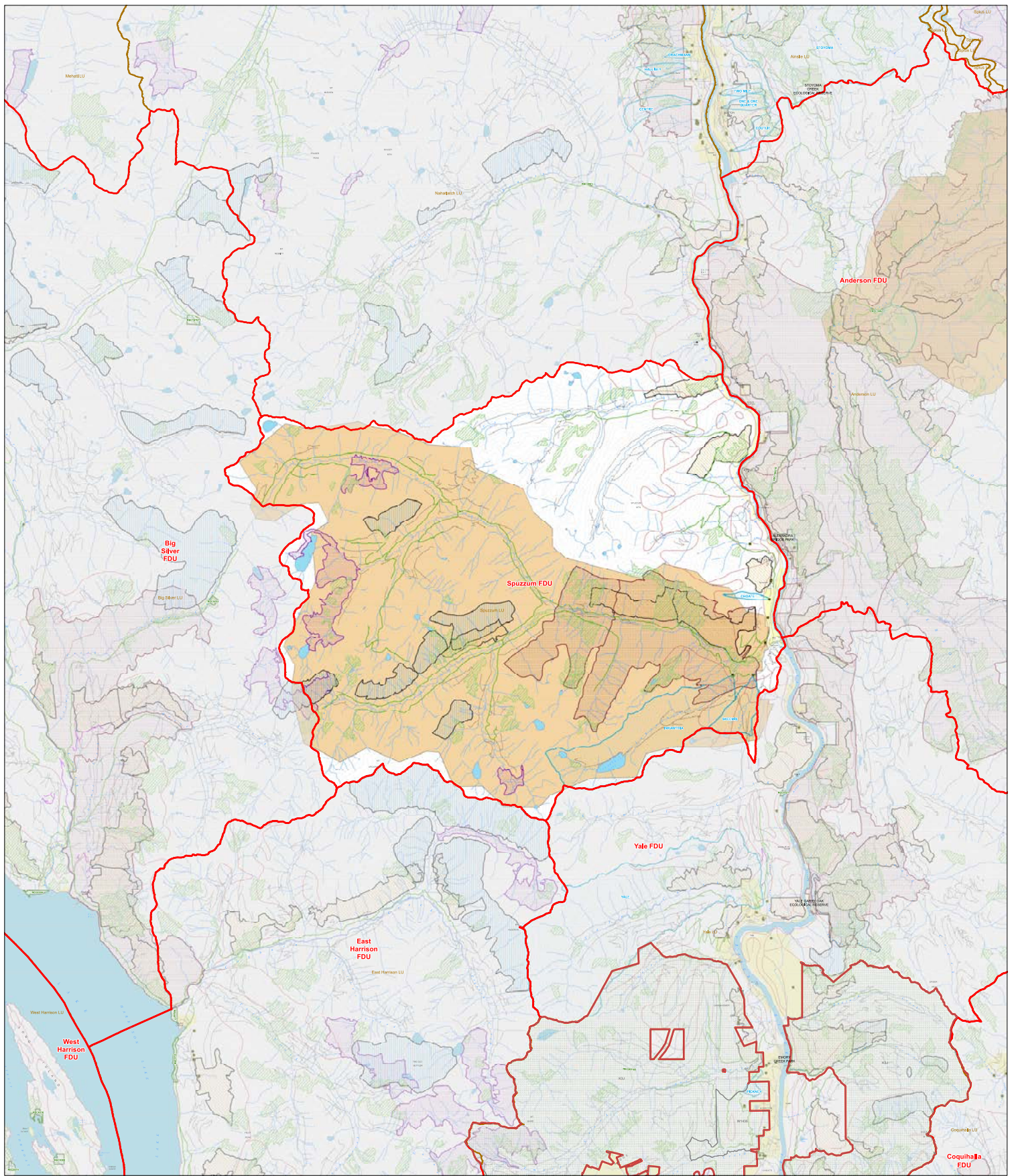
<p><b>Tenure &amp; Status</b></p> <ul style="list-style-type: none"> <li>Water Licence - Point of Diversion</li> <li>Road Under Permit (RP)</li> <li>Forest Service Road (FSR)</li> <li>Forest Development Unit</li> <li>Landscape Unit</li> <li>Park / Protected Area</li> <li>Private Land</li> <li>Woodlot or Community Forest Licence</li> <li>Tree Farm Licence</li> <li>Municipality</li> <li>Spotted Owl Designated Area</li> </ul>	<p><b>Management Areas</b></p> <ul style="list-style-type: none"> <li>Recreation Trail</li> <li>Recreation Site, Reserve, or Interpretive Forest</li> <li>Designated Community Watershed</li> <li>Range Tenure Polygon</li> <li>Scenic Area</li> <li>Old Growth Management Area (OGMA)</li> <li>Cultural Heritage Resource Feature</li> <li>Karst Feature</li> </ul> <p><b>Approved Ungulate Winter Ranges (UWR)</b></p> <ul style="list-style-type: none"> <li>Mountain Goat</li> <li>Black-tailed Deer/Mule Deer</li> </ul>	<p><b>Approved Wildlife Habitat Areas (WHA)</b></p> <ul style="list-style-type: none"> <li>Pacific Tailed Frog (Not Applicable)</li> <li>Pacific Giant Salamander</li> <li>Fall Bugliana</li> <li>Mountain Beaver</li> <li>Grizzly Bear</li> <li>Pacific Water Shrew</li> <li>Spotted Owl</li> <li>Northern Goshawk</li> </ul>	<p><b>Planimetric Features</b></p> <ul style="list-style-type: none"> <li>Road</li> <li>Paved Road</li> <li>100m Contour Line</li> <li>Stream</li> <li>Lake / Major Watercourse</li> <li>Glacier / Icefield</li> </ul>		<p>Scale: 0 1000 2000 4000 Meters</p> <p>Chartwell</p> <p>Chartwell Systems Inc. 1000 1776 Drive 178</p> <p>Date: 02/20/2024 Project Number: 02020</p>	<p><b>PROBYN LOG LTD.</b></p> <p><b>Forest Stewardship Plan Map</b></p> <p><b>Hatzic FDU</b></p>
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<p><b>Tenure &amp; Status</b></p> <ul style="list-style-type: none"> <li>Water Licence - Point of Diversion</li> <li>Road Under Permit (RP)</li> <li>Forest Service Road (FSR)</li> <li>Forest Development Unit</li> <li>Landscape Unit</li> <li>Park / Protected Area</li> <li>Private Land</li> <li>Woodlot or Community Forest Licence</li> <li>Tree Farm Licence</li> <li>Municipality</li> <li>Spotted Owl Designated Area</li> </ul>	<p><b>Management Areas</b></p> <ul style="list-style-type: none"> <li>Recreation Trail</li> <li>Recreation Site, Reserve, or Interpretive Forest</li> <li>Designated Community Watershed</li> <li>Range Tenure Polygon</li> <li>Scenic Area</li> <li>Old Growth Management Area (OGMA)</li> <li>Cultural Heritage Resource Feature</li> <li>Karst Feature</li> </ul> <p><b>Approved Ungulate Winter Ranges (UWR)</b></p> <ul style="list-style-type: none"> <li>Mountain Goat</li> <li>Black-tailed Deer/Mule Deer</li> </ul>	<p><b>Approved Wildlife Habitat Areas (WHA)</b></p> <ul style="list-style-type: none"> <li>Pacific Tailed Frog (Not Applicable)</li> <li>Pacific Giant Salamander</li> <li>Fall Bughiana</li> <li>Mountain Beaver</li> <li>Grizzly Bear</li> <li>Pacific Water Shrew</li> <li>Spotted Owl</li> <li>Northern Goshawk</li> </ul>	<p><b>Planimetric Features</b></p> <ul style="list-style-type: none"> <li>Road</li> <li>Paved Road</li> <li>100m Contour Line</li> <li>Stream</li> <li>Lake / Major Watercourse</li> <li>Glacier / Icefield</li> </ul>		<p>Scale: 0 1000 2000 4000 Meters</p> <p>Chartwell logo</p> <p>Date: 10/20/2020 Project Number: 10222</p>	<p><b>PROBYN LOG LTD.</b></p> <p><b>Forest Stewardship Plan Map</b></p> <p><b>Manning FDU</b></p>
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<p><b>Tenure &amp; Status</b></p> <ul style="list-style-type: none"> <li>Water Licence - Point of Diversion</li> <li>Road Under Permit (RP)</li> <li>Forest Service Road (FSR)</li> <li>Forest Development Unit</li> <li>Landscape Unit</li> <li>Park / Protected Area</li> <li>Private Land</li> <li>Woodlot or Community Forest Licence</li> <li>Tree Farm Licence</li> <li>Municipality</li> <li>Spotted Owl Designated Area</li> </ul>	<p><b>Management Areas</b></p> <ul style="list-style-type: none"> <li>Recreation Trail</li> <li>Recreation Site, Reserve, or Interpretive Forest</li> <li>Designated Community Watershed</li> <li>Range Tenure Polygon</li> <li>Scenic Area</li> <li>Old Growth Management Area (OGMA)</li> <li>Cultural Heritage Resource Feature</li> <li>Karst Feature</li> </ul> <p><b>Approved Ungulate Winter Ranges (UWR)</b></p> <ul style="list-style-type: none"> <li>Mountain Goat</li> <li>Black-tailed Deer/Mule Deer</li> </ul>	<p><b>Approved Wildlife Habitat Areas (WHA)</b></p> <ul style="list-style-type: none"> <li>Pacific Tailed Frog (Not Applicable)</li> <li>Pacific Giant Salamander</li> <li>Fall Bugliana</li> <li>Mountain Beaver</li> <li>Grizzly Bear</li> <li>Pacific Water Shrew</li> <li>Spotted Owl</li> <li>Northern Goshawk</li> </ul>	<p><b>Planimetric Features</b></p> <ul style="list-style-type: none"> <li>Road</li> <li>Paved Road</li> <li>100m Contour Line</li> <li>Stream</li> <li>Lake / Major Watercourse</li> <li>Glacier / Icefield</li> </ul>		<p>Scale: 0 1000 2000 4000 Meters</p> <p>Chartwell logo</p> <p>Chartwell Project Number: 10222</p>	<p><b>PROBYN LOG LTD.</b></p> <p><b>Forest Stewardship Plan Map</b></p> <p><b>Silverhope FDU</b></p>
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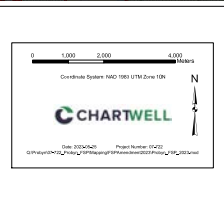
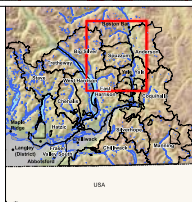


- Tenure & Status**
- Water Licence - Point of Diversion
  - Road Under Permit (RP)
  - Forest Service Road (FSR)
  - Forest Development Unit
  - Landscape Unit
  - Park / Protected Area
  - Private Land
  - Woodlot or Community Forest Licence
  - Tree Farm Licence
  - Municipality
  - Spotted Owl Designated Area

- Management Areas**
- Recreation Trail
  - Recreation Site, Reserve, or Interpretive Forest
  - Designated Community Watershed
  - Range Tenure Polygon
  - Scenic Area
  - Old Growth Management Area (OGMA)
  - Cultural Heritage Resource Feature
  - Karst Feature
- Approved Ungulate Winter Ranges (UWR)**
- Mountain Goat
  - Black-tailed Deer/Mule Deer

- Approved Wildlife Habitat Areas (WHA)**
- Pacific Tailed Frog (Not Applicable)
  - Pacific Giant Salamander
  - Fall Bugliana
  - Mountain Beaver
  - Grizzly Bear
  - Pacific Water Shrew
  - Spotted Owl
  - Northern Goshawk

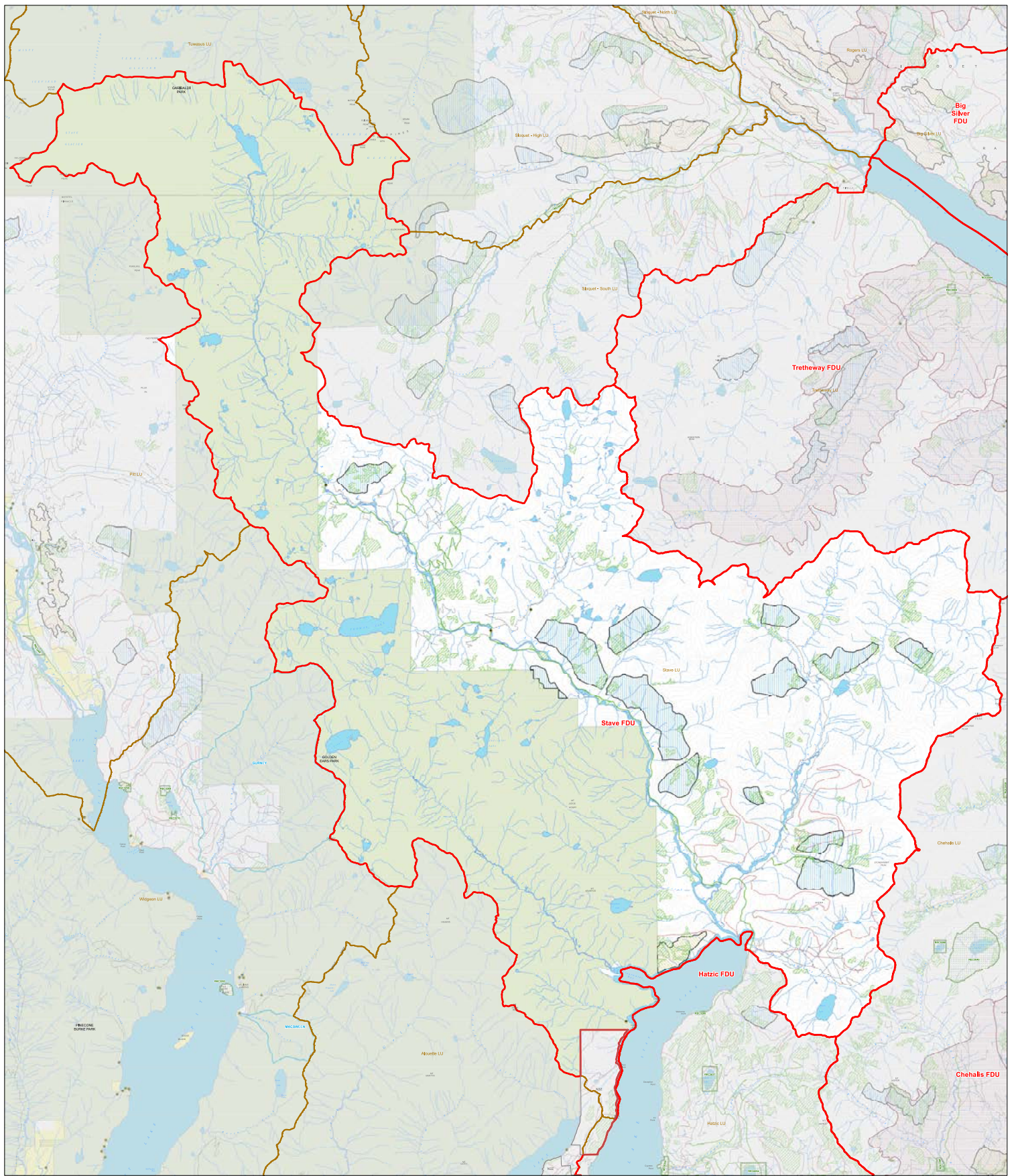
- Planimetric Features**
- Road
  - Paved Road
  - 100m Contour Line
  - Stream
  - Lake / Major Watercourse
  - Glacier / Icefield



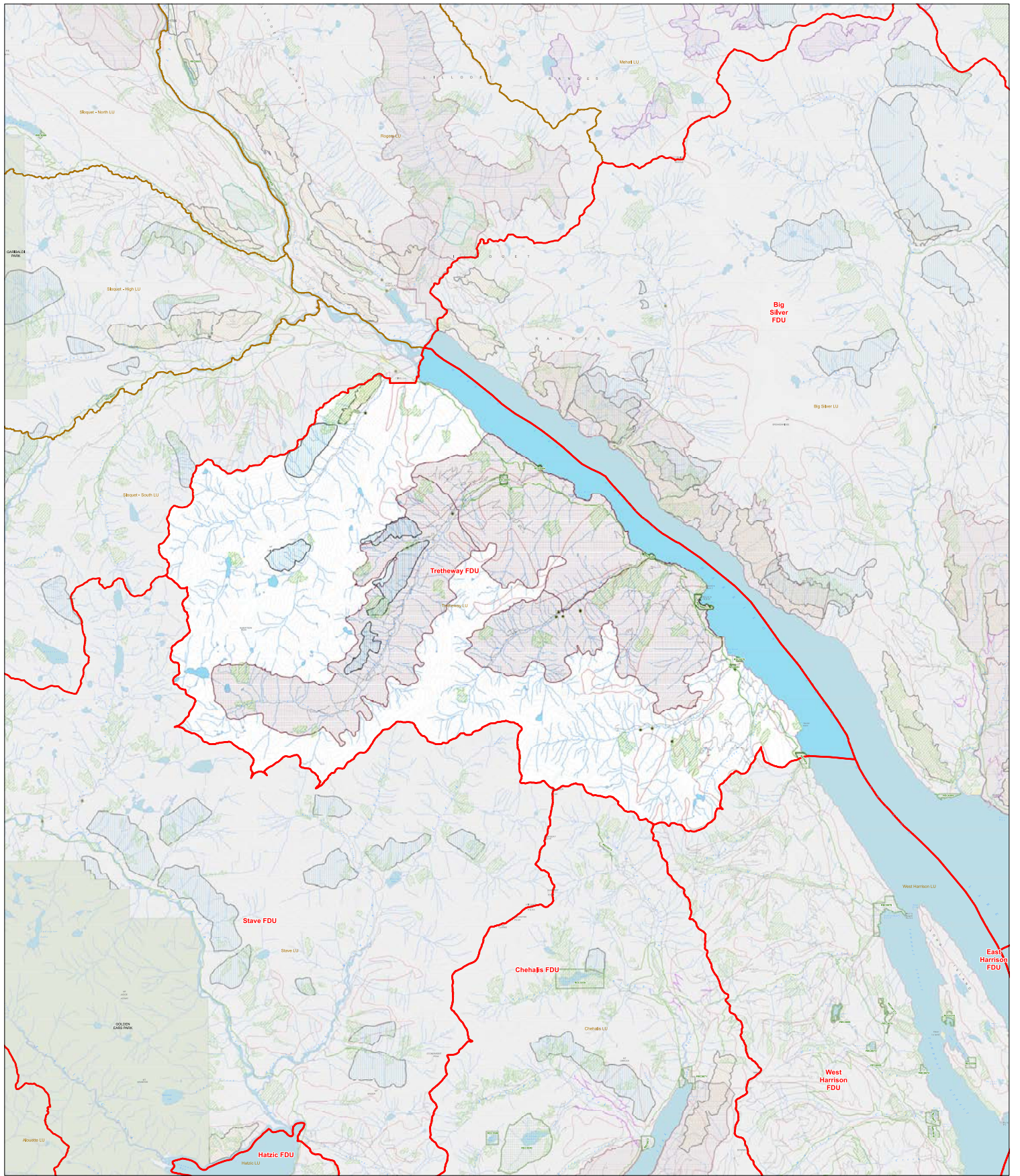
**PROBYN LOG LTD.**

**Forest Stewardship Plan Map**

**Spuzzum FDU**



<p><b>Tenure &amp; Status</b></p> <ul style="list-style-type: none"> <li>Water Licence - Point of Diversion</li> <li>Road Under Permit (RP)</li> <li>Forest Service Road (FSR)</li> <li>Forest Development Unit</li> <li>Landscape Unit</li> <li>Park / Protected Area</li> <li>Private Land</li> <li>Woodlot or Community Forest Licence</li> <li>Tree Farm Licence</li> <li>Municipality</li> <li>Spotted Owl Designated Area</li> </ul>	<p><b>Management Areas</b></p> <ul style="list-style-type: none"> <li>Recreation Trail</li> <li>Recreation Site, Reserve, or Interpretive Forest</li> <li>Designated Community Watershed</li> <li>Range Tenure Polygon</li> <li>Scenic Area</li> <li>Old Growth Management Area (OGMA)</li> <li>Cultural Heritage Resource Feature</li> <li>Karst Feature</li> </ul> <p><b>Approved Ungulate Winter Ranges (UWR)</b></p> <ul style="list-style-type: none"> <li>Mountain Goat</li> <li>Black-tailed Deer/Mule Deer</li> </ul>	<p><b>Approved Wildlife Habitat Areas (WHA)</b></p> <ul style="list-style-type: none"> <li>Pacific Tailed Frog (Not Applicable)</li> <li>Pacific Giant Salamander</li> <li>Fall Bughiana</li> <li>Mountain Beaver</li> <li>Grizzly Bear</li> <li>Pacific Water Shrew</li> <li>Spotted Owl</li> <li>Northern Goshawk</li> </ul>	<p><b>Planimetric Features</b></p> <ul style="list-style-type: none"> <li>Road</li> <li>Paved Road</li> <li>100m Contour Line</li> <li>Stream</li> <li>Lake / Major Watercourse</li> <li>Glacier / Icefield</li> </ul>			<p><b>PROBYN LOG LTD.</b></p> <p><b>Forest Stewardship Plan Map</b></p> <p><b>Stave FDU</b></p>
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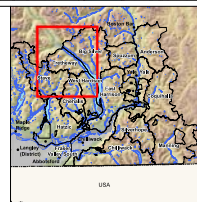


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Scale: 0 1,000 2,000 4,000 Meters

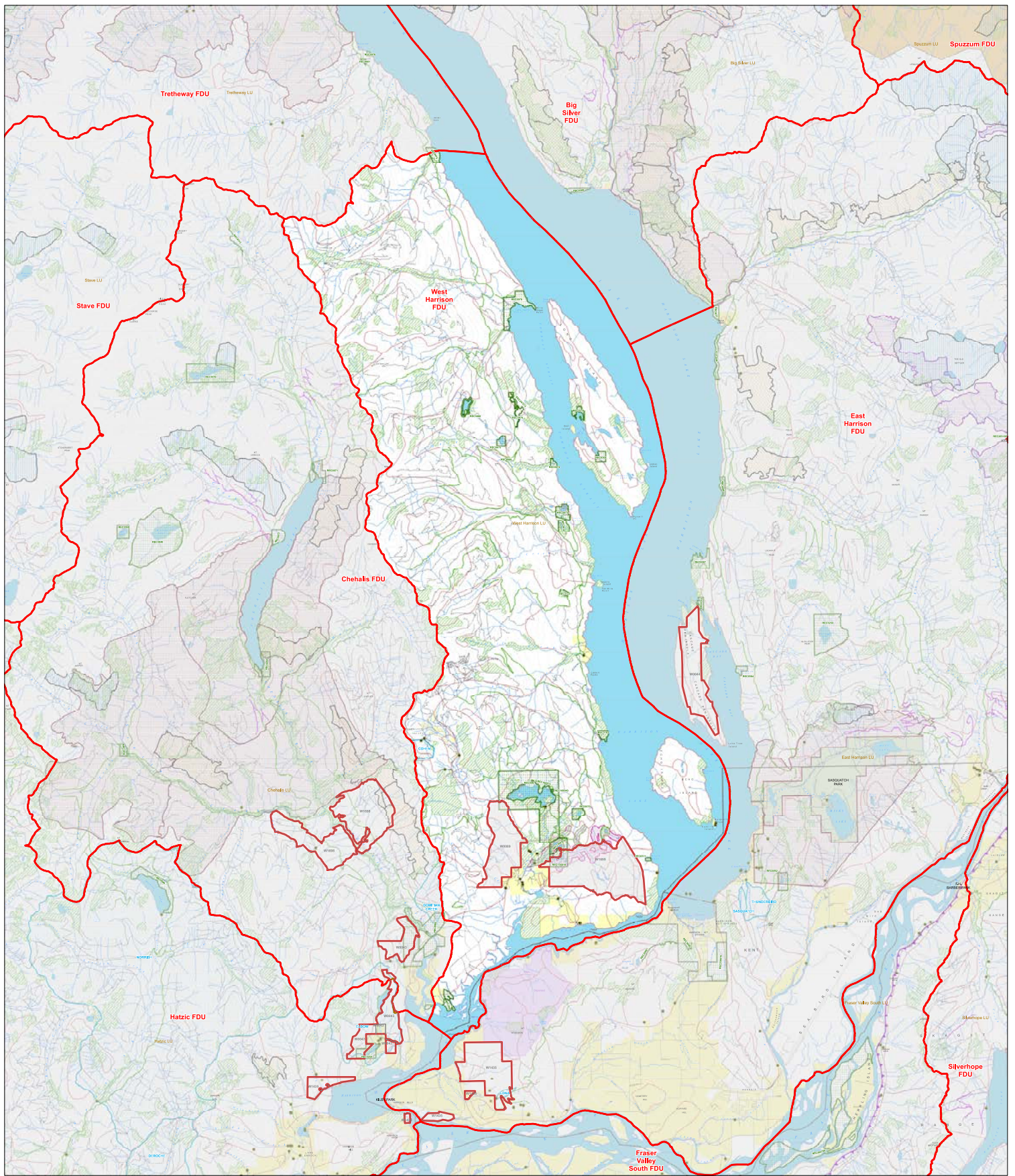
Chartwell logo

Date: 10/20/2021 Project Number: 10222

**PROBYN LOG LTD.**

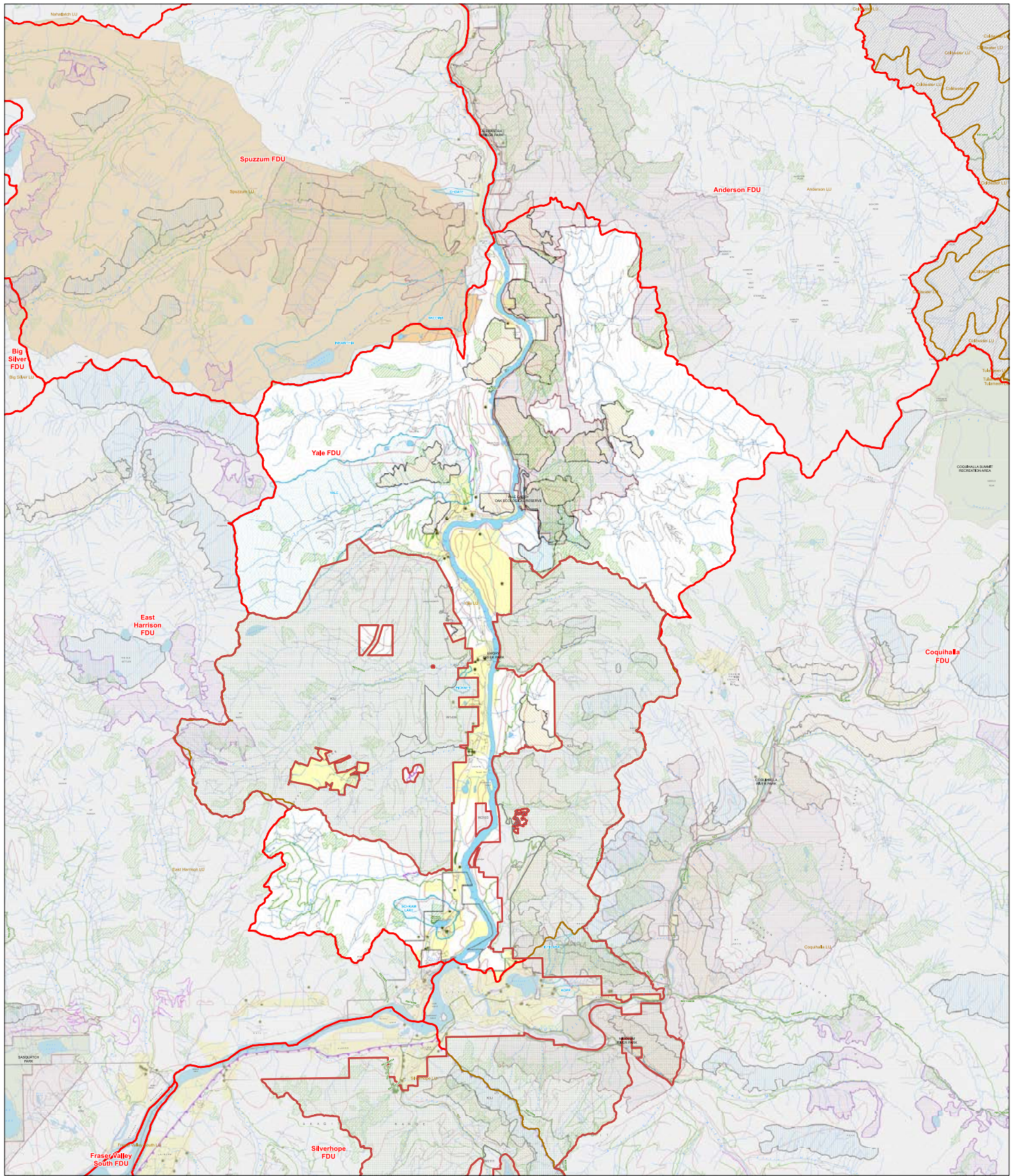
**Forest Stewardship Plan Map**

**Tretheway FDU**



<b>Tenure &amp; Status</b> <ul style="list-style-type: none"> <li>Water Licence - Point of Diversion</li> <li>Road Under Permit (RP)</li> <li>Forest Service Road (FSR)</li> <li>Forest Development Unit</li> <li>Landscape Unit</li> <li>Park / Protected Area</li> <li>Private Land</li> <li>Woodlot or Community Forest Licence</li> <li>Tree Farm Licence</li> <li>Municipality</li> <li>Spotted Owl Designated Area</li> </ul>	<b>Management Areas</b> <ul style="list-style-type: none"> <li>Recreation Trail</li> <li>Recreation Site, Reserve, or Interpretive Forest</li> <li>Designated Community Watershed</li> <li>Range Tenure Polygon</li> <li>Scenic Area</li> <li>Old Growth Management Area (OGMA)</li> <li>Cultural Heritage Resource Feature</li> <li>Karst Feature</li> </ul> <b>Approved Ungulate Winter Ranges (UWR)</b> <ul style="list-style-type: none"> <li>Mountain Goat</li> <li>Black-tailed Deer/Mule Deer</li> </ul>	<b>Approved Wildlife Habitat Areas (WHA)</b> <ul style="list-style-type: none"> <li>Pacific Tailed Frog (Not Applicable)</li> <li>Pacific Giant Salamander</li> <li>Fall Bugliana</li> <li>Mountain Beaver</li> <li>Grizzly Bear</li> <li>Pacific Water Shrew</li> <li>Spotted Owl</li> <li>Northern Goshawk</li> </ul>	<b>Planimetric Features</b> <ul style="list-style-type: none"> <li>Road</li> <li>Paved Road</li> <li>100m Contour Line</li> <li>Stream</li> <li>Lake / Major Watercourse</li> <li>Glacier / Icefield</li> </ul>		<p>Chartwell logo and project information: Date: 2023/03/20, Project Number: 19222</p>	<p><b>Forest Stewardship Plan Map</b> <b>West Harrison FDU</b></p>
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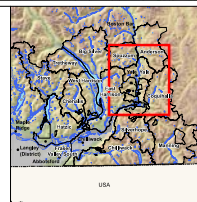


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  - Paved Road
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Scale: 0 1,000 2,000 4,000 Meters

Chartwell logo

Date: 10/20/2021 Project Number: 10222

**PROBYN LOG LTD.**

**Forest Stewardship Plan Map**

**Yale FDU**



**PROBYN LOG LTD.**

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# **Appendix 2**

**Stocking Standards**

Stocking Standards ID	Biogeoclimatic Information			Preferred Species												Acceptable Species												Stocking			Regeneration			Max. Density			Additional Standards or Comments					
	Biogeoclimatic Zone	Biogeoclimatic Subzone and Variant	Site Series	Preferred Species #1	Preferred Species #1 Height	Preferred Species #2	Preferred Species #2 Height	Preferred Species #3	Preferred Species #3 Height	Preferred Species #4	Preferred Species #4 Height	Preferred Species #5	Preferred Species #5 Height	Preferred Species #6	Preferred Species #6 Height	Preferred Species #7	Preferred Species #7 Height	Acceptable Species #1	Acceptable Species #1 Height	Acceptable Species #2	Acceptable Species #2 Height	Acceptable Species #3	Acceptable Species #3 Height	Acceptable Species #4	Acceptable Species #4 Height	Acceptable Species #5	Acceptable Species #5 Height	Acceptable Species #6	Acceptable Species #6 Height	Acceptable Species #7	Acceptable Species #7 Height	Target (P & A)	Minimum (P & A)	Minimum (P)	Min. Inter-Tree Distance	Regeneration Delay (yrs)		Late Free Growing (yrs)	Ht. Relative to Comp. (%)	Maximum (s/ha)	Post Spacing Minimum (s/ha)	Post Spacing MMaximum (s/ha)
1065023	CWH	dm	01/04	Fd	3.00	Cw	1.50	-	-	-	-	-	-	-	-	-	Hw	3.00	Pw	2.50	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065024	CWH	dm (Root Disease)	01/04	Cw	1.50	Pw	2.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Where managing discrete areas of root disease. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.	
1065025	CWH	dm (Colluvium)	01/04	Fd	3.00	Cw	1.50	-	-	-	-	-	-	-	-	-	Hw	3.00	Pw	2.50	-	-	-	-	-	-	-	-	-	-	-	800	300	300	1.5	3	20	150	10,000	900	1500	Applies to colluvial slopes, exposed bedrock, or shallow soils, with low residual stocking levels, and areas of non-mappable NP with less than 400 plantable spots/ha. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065026	CWH	dm	03	Fd	2.00	-	-	-	-	-	-	-	-	-	-	-	Cw	1.50	Hw	2.00	Pl	1.25	Pw	2.50	-	-	-	-	-	-	-	800	400	400	2.0	3	20	150	10,000	900	1500	Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065027	CWH	dm	05	Cw	2.00	Fd	4.00	-	-	-	-	-	-	-	-	-	Hw	4.00	Bg	3.50	Pw	2.50	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065028	CWH	dm	06	Cw	1.50	Hw	3.00	-	-	-	-	-	-	-	-	-	Fd	3.00	-	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments
1065029	CWH	dm	07	Cw	2.00	Fd	4.00	Bg	3.50	-	-	-	-	-	-	-	Hw	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments
1065030	CWH	dm	08/09	Bg	3.50	Cw	2.00	-	-	-	-	-	-	-	-	-	Ss	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments
1065031	CWH	dm (Sawlog)	08/09/10	Act	4.00	-	-	-	-	-	-	-	-	-	-	-	Dr	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	900	600	500	2.0	3	20	150	10,000	900	1500	Limited to pre-harvest stands where deciduous species are leading (60%) by basal area.
1065032	CWH	dm (Pulp)	08/09/10	Dr	4.00	-	-	-	-	-	-	-	-	-	-	-	Act	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	1200	700	600	2.0	3	20	150	10,000	900	1500	Limited to pre-harvest stands where deciduous species are leading (60%) by basal area.

Stocking Standards ID	Biogeoclimatic Information			Preferred Species												Acceptable Species							Stocking			Max. Density			Additional Standards or Comments												
	Biogeoclimatic Zone	Biogeoclimatic Subzone and Variant	Site Series	Preferred Species #1	Preferred Species #1 Height	Preferred Species #2	Preferred Species #2 Height	Preferred Species #3	Preferred Species #3 Height	Preferred Species #4	Preferred Species #4 Height	Preferred Species #5	Preferred Species #5 Height	Preferred Species #6	Preferred Species #6 Height	Preferred Species #7	Preferred Species #7 Height	Acceptable Species #1	Acceptable Species #1 Height	Acceptable Species #2	Acceptable Species #2 Height	Acceptable Species #3	Acceptable Species #3 Height	Acceptable Species #4	Acceptable Species #4 Height	Acceptable Species #5	Acceptable Species #5 Height	Acceptable Species #6		Acceptable Species #6 Height	Acceptable Species #7	Acceptable Species #7 Height	Target (P & A)	Minimum (P & A)	Minimum (P)	Min. Inter-Tree Distance	Regeneration Delay (yrs)	Late Free Growing (yrs)	Ht. Relative to Comp. (%)	Maximum (s/ha)	Post Spacing Minimum (s/ha)
1065033	CWH	ds1	01/04/05	Fd	2.25	-	-	-	-	-	-	-	-	-	-	-	Cw	1.50	Pw	2.50	Hw	1.00	Py	1.25	Bg	1.50	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned. Bg is limited to site series 05.
1065034	CWH	ds1 (Root Disease)	01/04/05	Cw	1.50	Py	1.25	Pw*	2.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Where managing discrete areas of root disease, Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065035	CWH	ds1 (Colluvium)	01/04/05	Fd	2.25	-	-	-	-	-	-	-	-	-	-	-	Cw	1.50	Pw	2.50	Hw	1.00	Py	1.25	-	-	-	-	-	-	800	300	300	1.5	3	20	150	10,000	900	1500	Applies to colluvial slopes, exposed bedrock, or shallow soils, with low residual stocking levels, and areas of non-mappable NP with less than 400 plantable spots/ha. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065036	CWH	ds1	03	Fd	1.50	-	-	-	-	-	-	-	-	-	-	-	Py	1.00	Cw	1.00	Pl	1.25	Pw	2.50	-	-	-	-	-	800	400	400	2.0	3	20	150	10,000	900	1500	Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.	
1065037	CWH	ds1	06	Hw	1.00	Fd	2.25	-	-	-	-	-	-	-	-	-	Cw	1.50	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments	
1065038	CWH	ds1	07	Cw	2.00	Fd	3.00	Bg	2.00	-	-	-	-	-	-	-	Hw	1.25	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments	
1065039	CWH	ds1	08/09	Cw	2.00	Bg	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments	
1065040	CWH	ds1	08/09	Act	4.00	-	-	-	-	-	-	-	-	-	-	-	Dr	4.00	-	-	-	-	-	-	-	-	-	-	-	900	600	500	2.0	3	20	150	10,000	900	1500	Limited to pre-harvest stands where deciduous species are leading (60%) by basal area.	

Stocking Standards ID	Biogeoclimatic Information			Preferred Species												Acceptable Species												Stocking			Min. Inter-Tree Distance	Regeneration Delay (yrs)	Late Free Growing (yrs)	Ht. Relative to Comp. (%)	Max. Density			Additional Standards or Comments		
	Biogeoclimatic Zone	Biogeoclimatic Subzone and Variant	Site Series	Preferred Species #1	Preferred Species #1 Height	Preferred Species #2	Preferred Species #2 Height	Preferred Species #3	Preferred Species #3 Height	Preferred Species #4	Preferred Species #4 Height	Preferred Species #5	Preferred Species #5 Height	Preferred Species #6	Preferred Species #6 Height	Preferred Species #6 Height	Acceptable Species #1	Acceptable Species #1 Height	Acceptable Species #2	Acceptable Species #2 Height	Acceptable Species #3	Acceptable Species #3 Height	Acceptable Species #4	Acceptable Species #4 Height	Acceptable Species #5	Acceptable Species #5 Height	Acceptable Species #6	Acceptable Species #6 Height	Acceptable Species #7	Acceptable Species #7 Height					Target (P & A)	Minimum (P & A)	Minimum (P)		Maximum (s/ha)	Post Spacing
1065041	CWH	ms1	01	Cw	1.50	Fd	2.25	-	-	-	-	-	-	-	-	Hw	1.50	Ba	0.75	Se	1.00	Yc	1.50	Pw	2.50	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Below 1100m in elevation. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065042	CWH	ms1 (Upper East)	01	Ba	0.75	Hw	1.50	Se	1.00	Fd	2.25	Cw	1.50	-	-	Yc	1.50	Hm	1.00	Bl	0.75	Pw*	2.50	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Greater than 900m in elevation and east of the height of land between Harrison Lake and the Fraser Canyon, plus east of the height of land between Jones Lake/Chilliwack Valley and the SilverHope Drainage. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned. Height relative to competition can be reduced to 100% for fireweed.
1065043	CWH	ms1 (Upper West)	01	Ba	0.75	Hw	1.50	-	-	-	-	-	-	-	-	Yc	1.50	Hm	1.00	Se	1.00	Fd	2.25	Cw	1.50	Pw	2.50	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Greater than 800m in elevation and west of the height of land between Harrison Lake and the Fraser Canyon, plus west of the height of land between Jones Lake/Chilliwack Valley and the SilverHope Drainage. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned. Height relative to competition can be reduced to 100% for fireweed.
1065044	CWH	ms1 (Colluvium)	01/03	Fd	2.25	Se	1.00	-	-	-	-	-	-	-	-	Ba	0.75	Cw	1.50	Hm	1.00	Hw	1.50	Bl	0.75	Pl	1.50	Pw	2.50	900	300	300	1.5	3	20	150	10,000	900	1500	Applies to colluvial slopes, exposed bedrock, or shallow soils, with low residual stocking levels, and areas of non-mappable NP with less than 400 plantable spots/ha. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065045	CWH	ms1	03	Fd	2.25	-	-	-	-	-	-	-	-	-	-	Pl	1.50	Se	1.00	Cw	1.50	Hw	1.50	Pw	2.50	-	-	-	-	800	400	400	2.0	3	20	150	10,000	900	1500	Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065046	CWH	ms1	04/06	Fd	3.00	Cw	2.00	-	-	-	-	-	-	-	-	Hw	2.00	Ba	1.00	Yc	2.00	Se	1.25	Pw	2.50	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.
1065047	CWH	ms1 (Upper East)	04/06	Ba	1.00	Cw	2.00	Yc	2.00	Se	1.25	Fd	3.00	-	-	Hw	2.00	Bl	1.00	Pw	2.50	Hm	1.25	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Greater than 900m in elevation and east of the height of land between Harrison Lake and the Fraser Canyon, plus east of the height of land between Jones Lake/Chilliwack Valley and the SilverHope Drainage. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned. Height relative to competition can be reduced to 100% for fireweed.
1065048	CWH	ms1 (Upper West)	04/06	Ba	1.00	Cw	2.00	Yc	2.00	-	-	-	-	-	-	Hw	2.00	Hm	1.25	Se	1.25	Fd	3.00	Pw	2.50	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Greater than 800m in elevation and west of the height of land between Harrison Lake and the Fraser Canyon, plus west of the height of land between Jones Lake/Chilliwack Valley and the SilverHope Drainage. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned. Height relative to competition can be reduced to 100% for fireweed.
1065049	CWH	ms1	05	Cw	1.50	Yc	1.50	Ba	0.75	Hw	1.50	-	-	-	-	Fd	2.25	Pw	2.50	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned. Height relative to competition can be reduced to 100% for fireweed.
1065050	CWH	ms1	07/08	Ba	1.00	Cw	2.00	-	-	-	-	-	-	-	-	Se	1.25	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments
1065051	CWH	ms1	07/08	Act	4.00	-	-	-	-	-	-	-	-	-	-	Dr	4.00	-	-	-	-	-	-	-	-	-	-	-	-	900	600	500	2.0	3	20	150	10,000	900	1500	Limited to pre-harvest stands where deciduous species are leading (60%) by basal area.

Stocking Standards ID	Biogeoclimatic Information			Preferred Species												Acceptable Species							Stocking			Max. Density			Additional Standards or Comments													
	Biogeoclimatic Zone	Biogeoclimatic Subzone and Variant	Site Series	Preferred Species #1	Preferred Species #1 Height	Preferred Species #2	Preferred Species #2 Height	Preferred Species #3	Preferred Species #3 Height	Preferred Species #4	Preferred Species #4 Height	Preferred Species #5	Preferred Species #5 Height	Preferred Species #6	Preferred Species #6 Height	Preferred Species #7	Preferred Species #7 Height	Acceptable Species #1	Acceptable Species #1 Height	Acceptable Species #2	Acceptable Species #2 Height	Acceptable Species #3	Acceptable Species #3 Height	Acceptable Species #4	Acceptable Species #4 Height	Acceptable Species #5	Acceptable Species #5 Height	Acceptable Species #6		Acceptable Species #6 Height	Acceptable Species #7	Acceptable Species #7 Height	Target (P & A)	Minimum (P & A)	Minimum (P)	Min. Inter-Tree Distance	Regeneration Delay (yrs)	Late Free Growing (yrs)	Ht. Relative to Comp. (%)	Maximum (s/ha)	Post Spacing Minimum (s/ha)	Post Spacing Maximum (s/ha)
1065052	CWH	vm1	01/04/05	Cw	1.50	Hw	3.00	Fd	3.00	Ba	1.75	-	-	-	-	-	Yc	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Ba is limited to acceptable in site series 04.
1065053	CWH	vm1 (Colluvium)	01/04	Cw	1.50	Hw	3.00	Fd	3.00	-	-	-	-	-	-	-	Ba	1.75	-	-	-	-	-	-	-	-	-	-	-	-	900	300	300	1.5	3	20	150	10,000	900	1500	Applies to colluvial slopes, exposed bedrock, or shallow soils, with low residual stocking levels, and areas of non-mappable NP with less than 400 plantable spots/ha.	
1065054	CWH	vm1	03	Cw	1.00	Hw	2.00	Fd	2.00	-	-	-	-	-	-	-	Pl	1.25	-	-	-	-	-	-	-	-	-	-	-	-	800	400	400	2.0	3	20	150	10,000	900	1500	No Comments	
1065055	CWH	vm1	06	Ba	1.75	Cw	1.50	Hw	3.00	-	-	-	-	-	-	-	Yc	1.50	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments	
1065056	CWH	vm1	07/08	Ba	2.25	Cw	2.00	Hw	4.00	-	-	-	-	-	-	-	Ss	4.00	Fd	4.00	Yc	2.00	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments	
1065057	CWH	vm1 (Sawlog)	09/10	Act	4.00	-	-	-	-	-	-	-	-	-	-	-	Dr	4.00	-	-	-	-	-	-	-	-	-	-	-	-	900	600	500	2.0	3	20	150	10,000	900	1500	Limited to pre-harvest stands where deciduous species are leading (60%) by basal area.	
1065058	CWH	vm1 (Pulp)	09/10	Dr	4.00	-	-	-	-	-	-	-	-	-	-	-	Act	4.00	-	-	-	-	-	-	-	-	-	-	-	-	1200	700	600	2.0	3	20	150	10,000	900	1500	Limited to pre-harvest stands where deciduous species are leading (60%) by basal area.	
1065059	CWH	vm2	01	Fd	2.25	Hw	2.50	Cw	1.50	Yc	1.50	Ba	1.75	-	-	-	Hm	1.50	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments	
1065060	CWH	vm2	03/04	Cw	1.00	Hw	1.75	Fd	1.50	Yc	1.00	-	-	-	-	-	Pw	2.50	Ba	1.50	Hm	1.00	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Pw is acceptable if blister rust resistant seed source used or if the naturals are pruned.	
1065061	CWH	vm2 (Colluvium)	03/04	Cw	1.00	Hw	1.75	Fd	1.50	Yc	1.00	-	-	-	-	-	Pw	2.50	Ba	1.50	Hm	1.00	Pl	1.25	-	-	-	-	-	-	900	300	300	1.5	3	20	150	10,000	900	1500	Applies to colluvial slopes, exposed bedrock, or shallow soils, with low residual stocking levels, and areas of non-mappable NP with less than 400 plantable spots/ha. Pw is acceptable if blister rust resistant seed source is used or if the naturals are pruned.	
1065062	CWH	vm2	05/06	Cw	1.50	Hw	1.50	Yc	1.50	Ba	1.75	-	-	-	-	-	Fd	2.25	Hm	1.50	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	Fd is limited to site series 05.	
1065063	CWH	vm2	07/08	Cw	2.00	Hw	3.50	Yc	2.00	Ba	2.25	-	-	-	-	-	Hm	1.50	Ss	4.00	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	3	20	150	10,000	900	1500	No Comments	
1065064	CWH	vm2	09	Cw	1.00	Hw	1.75	Yc	1.00	-	-	-	-	-	-	-	Ba	1.50	Hm	1.00	-	-	-	-	-	-	-	-	-	-	800	400	400	2.0	3	20	150	10,000	900	1500	No Comments	

Stocking Standards ID	Biogeoclimatic Information			Preferred Species												Acceptable Species							Stocking			Max. Density			Additional Standards or Comments												
	Biogeoclimatic Zone	Biogeoclimatic Subzone and Variant	Site Series	Preferred Species #1	Preferred Species #1 Height	Preferred Species #2	Preferred Species #2 Height	Preferred Species #3	Preferred Species #3 Height	Preferred Species #4	Preferred Species #4 Height	Preferred Species #5	Preferred Species #5 Height	Preferred Species #6	Preferred Species #6 Height	Preferred Species #7	Preferred Species #7 Height	Acceptable Species #1	Acceptable Species #1 Height	Acceptable Species #2	Acceptable Species #2 Height	Acceptable Species #3	Acceptable Species #3 Height	Acceptable Species #4	Acceptable Species #4 Height	Acceptable Species #5	Acceptable Species #5 Height	Acceptable Species #6		Acceptable Species #6 Height	Acceptable Species #7	Acceptable Species #7 Height	Target (P & A)	Minimum (P & A)	Minimum (P)	Min. Inter-Tree Distance	Regeneration Delay (yrs)	Late Free Growing (yrs)	Ht. Relative to Comp. (%)	Maximum (s/ha)	Post Spacing Minimum (s/ha)
1065065	MH	mm1	01/03/04/05	Ba	0.60	Hm	1.00	Yc	1.00	-	-	-	-	-	-	-	Se	1.00	Hw	1.00	Cw	1.00	-	-	-	-	-	-	-	-	900	500	400	2.0	4	20	125	10,000	900	1500	Height relative to competition can be reduced to 100% for fireweed.
1065066	MH	mm1 (Natural Regeneration)	01/03/04/05	Ba	0.60	Hm	1.00	Yc	1.00	-	-	-	-	-	-	-	Se	1.00	Hw	1.00	Cw	1.00	-	-	-	-	-	-	-	900	500	400	2.0	7	20	125	10,000	900	1500	Natural regeneration option. Height relative to competition can be reduced to 100% for fireweed.	
1065067	MH	mm1	06/07	Hm	0.75	Yc	0.75	Ba	0.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	4	20	125	10,000	900	1500	Minor inclusion (up to 20%) of 08 and 09 site series is acceptable. Height relative to competition can be reduced to 100% for fireweed.		
1065068	MH	mm1 (Snow Load)	06/07	Hm	0.75	Yc	0.75	Ba	0.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900	300	300	1.5	4	20	125	10,000	900	1500	Applies to snow holes, inclusion (greater than 20%) of 08 and 09 site series, low residual stocking levels (Clumpy), areas of non-mappable NP with less than 400 plantable spots/ha. Height relative to competition can be reduced to 100% for fireweed.		
1065069	MH	mm2	01/03/04/05	Ba	0.60	Hm	1.00	Se	1.00	-	-	-	-	-	-	-	Hw	1.00	Bl	1.00	Cw	1.00	Yc	1.00	-	-	-	-	-	900	500	400	2.0	4	20	125	10,000	900	1500	Height relative to competition can be reduced to 100% for fireweed.	
1065070	MH	mm2 (Natural Regeneration)	01/03/04/05	Ba	0.60	Hm	1.00	Se	1.00	-	-	-	-	-	-	-	Hw	1.00	Bl	1.00	Cw	1.00	Yc	1.00	-	-	-	-	-	900	500	400	2.0	7	20	125	10,000	900	1500	Natural regeneration option. Height relative to competition can be reduced to 100% for fireweed.	
1065071	MH	mm2	06/07	Hm	0.75	Yc	0.75	Ba	0.60	-	-	-	-	-	-	-	Se	0.75	-	-	-	-	-	-	-	-	-	-	900	500	400	2.0	4	20	125	10,000	900	1500	Minor inclusion (up to 20%) of 08 and 09 site series is acceptable. Height relative to competition can be reduced to 100% for fireweed.		
1065072	MH	mm2 (Snow Load)	06/07	Hm	0.75	Yc	0.75	Ba	0.60	-	-	-	-	-	-	-	Se	0.75	-	-	-	-	-	-	-	-	-	-	900	300	300	1.5	4	20	125	10,000	900	1500	Applies to snow holes, inclusion (greater than 20%) of 08 and 09 site series, low residual stocking levels (Clumpy), areas of non-mappable NP with less than 400 plantable spots/ha. Height relative to competition can be reduced to 100% for fireweed.		

Stocking Standards ID	Biogeoclimatic Information			Preferred Species												Acceptable Species							Stocking			Min. Inter-Tree Distance	Regeneration Delay (yrs)	Late Free Growing (yrs)	Ht. Relative to Comp. (%)	Max. Density			Additional Standards or Comments											
	Biogeoclimatic Zone	Biogeoclimatic Subzone and Variant	Site Series	Preferred Species #1	Preferred Species #1 Height	Preferred Species #2	Preferred Species #2 Height	Preferred Species #3	Preferred Species #3 Height	Preferred Species #4	Preferred Species #4 Height	Preferred Species #5	Preferred Species #5 Height	Preferred Species #6	Preferred Species #6 Height	Preferred Species #7	Preferred Species #7 Height	Acceptable Species #1	Acceptable Species #1 Height	Acceptable Species #2	Acceptable Species #2 Height	Acceptable Species #3	Acceptable Species #3 Height	Acceptable Species #4	Acceptable Species #4 Height					Acceptable Species #5	Acceptable Species #5 Height	Acceptable Species #6		Acceptable Species #6 Height	Acceptable Species #7	Acceptable Species #7 Height	Target (P & A)	Minimum (P & A)	Minimum (P)	Maximum (s/ha)	Post Spacing (s/ha)	Post Spacing (M)Maximum (s/ha)		
1065073	ESSF	mw	01/05/06	Se	1.00	Ba	0.60	Bl	0.75	-	-	-	-	-	-	-	Hm	1.00	Pl	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	1200	700	600	2.0	4	20	125	10,000	900	1500	No Comments
1065074	ESSF	mw (Colluvium)	01	Se	1.00	Ba	0.60	Bl	0.75	-	-	-	-	-	-	-	Pl	2.00	Fd	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1000	400	300	1.5	4	20	125	10,000	900	1500	Applies to colluvial slopes, exposed bedrock, or shallow soils, with low residual stocking levels, and areas of non-mappable NP with less than 400 plantable spots/ha.	
1065075	ESSF	mw	03	Pl	1.30	Fd	1.00	Se	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	500	400	2.0	4	20	125	10,000	900	1500	No Comments		
1065076	ESSF	mw	04	Pl	1.30	Se	0.75	Fd	1.00	-	-	-	-	-	-	-	Bl	0.60	Ba	0.60	-	-	-	-	-	-	-	-	-	-	-	-	1200	700	600	2.0	4	20	125	10,000	900	1500	No Comments	
1065077	ESSF	mw (Colluvium)	03/04	Pl	1.30	Fd	1.00	Se	0.75	-	-	-	-	-	-	-	Bl	0.60	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	400	300	1.5	4	20	125	10,000	900	1500	Applies to colluvial slopes, exposed bedrock, or shallow soils, with low residual stocking levels, and areas of non-mappable NP with less than 400 plantable spots/ha.		
1065078	ESSF	mw	07/08	Bl	0.60	Se	0.75	Ba	0.60	-	-	-	-	-	-	-	Pl	1.30	Cw	0.75	-	-	-	-	-	-	-	-	-	-	-	1000	500	400	2.0	4	20	125	10,000	900	1500	No Comments		
1065079	IDF	ww	01	Fd	1.50	-	-	-	-	-	-	-	-	-	-	-	Pl	2.00	Py	1.50	Cw	1.50	-	-	-	-	-	-	-	-	-	-	600	400	400	2.0	3	20	150	10,000	900	1500	No Comments	
1065080	IDF	ww (Root Disease)	01/03/04	Pl	2.00	Py	1.50	-	-	-	-	-	-	-	-	-	Cw	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	600	400	400	2.0	3	20	150	10,000	900	1500	Where managing discrete areas of root disease.		
1065081	IDF	ww (Colluvium)	01/03/04	Fd	1.50	Pl	2.00	Py	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600	300	300	1.5	3	20	150	10,000	900	1500	Applies to colluvial slopes, exposed bedrock, or shallow soils, with low residual stocking levels, and areas of non-mappable NP with less than 400 plantable spots/ha.			
1065082	IDF	ww	03	Fd	1.50	-	-	-	-	-	-	-	-	-	-	-	Pl	2.00	Py	1.50	-	-	-	-	-	-	-	-	-	-	-	600	400	400	2.0	3	20	150	10,000	900	1500	No Comments		
1065083	IDF	ww	04	Fd	1.50	Py	1.50	-	-	-	-	-	-	-	-	-	Cw	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	600	400	400	2.0	3	20	150	10,000	900	1500	No Comments		
1065084	IDF	ww	05/06	Cw	2.00	Fd	2.00	-	-	-	-	-	-	-	-	-	Hw	1.50	Bg	2.00	-	-	-	-	-	-	-	-	-	-	-	1000	500	400	2.0	3	20	150	10,000	900	1500	No Comments		



Stocking Standards ID	Biogeoclimatic Information			Preferred Species												Acceptable Species							Stocking			Max. Density			Additional Standards or Comments											
	Biogeoclimatic Zone	Biogeoclimatic Subzone and Variant	Site Series	Preferred Species #1	Preferred Species #1 Height	Preferred Species #2	Preferred Species #2 Height	Preferred Species #3	Preferred Species #3 Height	Preferred Species #4	Preferred Species #4 Height	Preferred Species #5	Preferred Species #5 Height	Preferred Species #6	Preferred Species #6 Height	Acceptable Species #1	Acceptable Species #1 Height	Acceptable Species #2	Acceptable Species #2 Height	Acceptable Species #3	Acceptable Species #3 Height	Acceptable Species #4	Acceptable Species #4 Height	Acceptable Species #5	Acceptable Species #5 Height	Acceptable Species #6	Acceptable Species #6 Height	Acceptable Species #7		Acceptable Species #7 Height	Target (P & A)	Minimum (P & A)	Minimum (P)	Min. Inter-Tree Distance	Regeneration Delay (yrs)	Late Free Growing (yrs)	Ht. Relative to Comp. (%)	Maximum (s/ha)	Post Spacing Minimum (s/ha)	Post Spacing Maximum (s/ha)
1065085	All	All	All	-	-	-	No Regeneration Obligations			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-

Note: These stocking standards may be amended from time to time and approval for any additional stocking standards will be sought by the holders of this FSP from the MoFLNRORD.

This stocking standard pertains to the Anderson, Big Silver, Chehalis, Chilliwack, Cowlitz, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Trettheway, West Harrison and Yale Forest Development Units. With this stocking standard, the primary objective is to employ an intermediate cut without regeneration obligations in order to harvest a component of a stand that would otherwise be restricted or limited to conventional harvesting operations. This would include areas that are deemed by a qualified professional to possess terrain, visual, fisheries, wildlife, recreation, water quality (community watersheds) or cultural significance to the extent that only limited harvesting is recommended or permitted. See the 'Rationale' document attached for specific criteria required for implementation.



## **Probyn Log Ltd.'s Forest Stewardship Plan Rationale for Intermediate Stocking Standard**

Probyn Log Ltd. hereby submits for approval as part of the Forest Stewardship Plan an intermediate cut stocking standard.

The primary objective of this stocking standard is for the purposes of employing intermediate cutting without regeneration obligations within the Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison and Yale Forest Development Units, while ensuring an economically viable stand remains for subsequent timber harvesting operations. Intermediate cutting is typically employed for the following purposes:

- To obtain timber volume or revenue earlier than the final harvest.
- To improve the growth of residual trees.
- To capture some of the timber production that would otherwise be lost to operational constraints, such as terrain, visual, fisheries, wildlife or cultural features.
- To obtain certain species as size classes for specialty products.

The following provides a detailed rationale and outlines the specific conditions that must exist at the landscape and stand level prior to the implementation of this stocking standard.

### **Applicable Areas**

It is the intention of the Plan Holders to apply the intermediate cut stocking standard within the Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison and Yale Forest Development Units as outlined in the Forest Stewardship Plan. Specifically, the applicable areas will include those that would otherwise be constrained or limited to conventional timber harvesting operations. This would include areas that are deemed by a Qualified Professional to possess terrain, visual, fisheries, wildlife, recreation, water quality (community watersheds) or cultural significance to the extent that only limited harvesting is recommended or permitted.

## Terrain Stability

In the case of terrain stability, areas that are deemed, by a Professional Engineer or Geoscientist, to have a terrain hazard rating of moderate or higher for clear cut harvesting will be considered suitable for employing this intermediate cut stocking standard.

## Visual Landscape

The area encompassed by the Forest Development Units described in the Forest Stewardship Plan possess landscapes that are extensively used by the general public and, as a result, many areas are considered to be visually sensitive. This stocking standard will be employed in areas where the landscape has been altered or is sensitive to further alteration to the extent that the Visual Quality Objective (VQO) would not allow for the removal of timber through conventional harvest openings. A Visual Impact Assessment, developed by a Qualified Professional, would be completed in order to ensure that timber harvesting employing this stocking standard would meet the VQO for the specific area.

## Fisheries

There are many waterbodies and watercourses within the area encompassed by Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison and Yale Forest Development Units that are known to contain significant fisheries values. This intermediate cut stocking standard will be applicable in facilitating timber harvesting in riparian management areas where basal area retention commitments are expressed in the Forest Stewardship Plan.

## Wildlife

Approved Orders to Establish Wildlife Habitat Areas and/or Ungulate Winter Ranges are found within the area encompassed by the Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison and Yale Forest Development Units. In many cases the General Wildlife Measures expressed within the applicable Orders allows for some timber harvesting; however, operational constraints typically limit the access or feasibility of harvesting these areas through conventional means. This intermediate cut stocking standard will assist in facilitating timber harvesting while still meeting the requirements expressed in the General Wildlife Measures.

## Recreation

There are many established and non-established sites, trails and features within the area encompassed by Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison and Yale Forest Development Units that are known to contain significant recreation values. This intermediate cut stocking standard may be employed to facilitate timber harvesting adjacent, or in close proximity, to these features while maintaining the associated recreational values.

## Water Quality/Community Watershed

This stocking standard may be employed where proposed timber harvesting operations are proposed to occur within community watersheds. As outlined in the Forest Stewardship Plan, a Qualified Professional will conduct a Watershed Assessment to address the objectives described in Section 8.2(2) of the *Forest Planning and Practices Regulation* and provide recommendations related to suitable harvest levels.

## Cultural Features

The general areas associated with the Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison and Yale Forest Development Units contain cultural significance for First Nations. There are instances where the cultural significance isn't related to a particular feature, but instead to a landform or traditional use of an area. It is thought that this intermediate cut stocking standard will be employed to enable a level of timber harvesting, while maintaining the cultural significance of the value or use found within the general area. Such a harvesting plan would be referred to the applicable First Nations prior to implementation.

## Biogeoclimatic Subzones and Site Series

Given the fact that this intermediate cut stocking standard will be employed, on a site-specific basis, over a large geographic area, all biogeoclimatic subzones and site series located within the Anderson, Big Silver, Chehalis, Chilliwack, Coquihalla, East Harrison, Fraser Valley South, Hatzic, Manning, Silverhope, Spuzzum, Stave, Tretheway, West Harrison and Yale Forest Development Units are considered applicable.

## Pre and Post-Harvest Stand Structure

Because this stocking standard is proposed to be applicable over a large geographic area, detailing the pre-harvest stand structure and tree species composition on a site-specific basis is not possible. There are no applicable reforestation objectives when intermediate cutting is prescribed, and the stand is not being managed as part of an uneven-aged silviculture system. Subject to FPPR section 16 (4) the Plan Holder will ensure that, in any one entry,

- a) a basal area of greater than or equal to 40m<sup>2</sup>/ha be retained,
- b) the final (post-harvest) distribution of individual tree species must be +/- 20% of each pre-harvest species percentage based on the initial basal area,
- c) the residual stand will conform to the free growing damage criteria for multi-storey coniferous stands (FS660), and
- d) any openings created that exceed 0.25 ha will apply the even-aged stocking standard for the applicable biogeoclimatic subzone and sites series. These areas would not be subject to the intermediate cut stocking standard or contribute to the limits on harvesting.

These limitations act to provide assurance that a healthy well stocked stand remains following harvesting, that no single species will be targeted to the extent that it could be entirely removed from the pre-harvest stand and that the residual stand is composed of preferred and acceptable species as per the biogeoclimatic subzone and site series of the area. It is important to note that in most cases, it is expected that a suitable harvest level will be recommended by a Qualified Professional.

The characteristics of the leave trees that will contribute to the basal area retention are those that are free of significant logging damage and at least 5m in height. For the purposes of this stocking standard, significant logging damage is described as a tree that has a harvesting activity wound that girdles more than 1/3<sup>rd</sup> of the stem circumference or a wound that exceeds 400 cm<sup>2</sup> on the stem.

## Limits on Harvesting

Intermediate Cut Harvesting is limited as follows:

- A maximum of 2,300 m<sup>3</sup> or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for FL A75657.
- A maximum of 2,100 m<sup>3</sup> or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for FL A79507.
- A maximum of 6,400 m<sup>3</sup> or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for FL A96396.

- A maximum of 10,700 m<sup>3</sup> or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for FL A81096.
- A maximum of 3,400 m<sup>3</sup> or approximately 10% of the five year sum of allowable annual cuts measured at the end of a five year cut control period for NRFL A96967.
- A maximum of approximately 10% of the five year sum of the allowable annual cuts measured at the end of a five year cut control period for the unissued NRFL AXXXX.

## Supporting Documentation

Although providing site specific supporting documentation in addition to this rationale is not possible at this time, the Plan Holders will collect field information, detailing the condition of the pre-harvest stand structure and tree species composition, in order to complete the information outlined in the summary table below.

This will be accomplished through one of the following:

- a) Conduct a Timber Cruise
  - (i) The density of the timber cruise plots will vary depending on the extent of the subject area. For example, smaller harvest areas will be cruised by employing a 100m x 100m grid spacing, while larger harvest areas will require a 200m x 200m grid spacing or larger.
  - (ii) If a timber cruise is selected as the most appropriate method of data collection, a 'pre-harvest', a 'harvest' and a 'residual' timber cruise compilation would be prepared. The stand and stock tables within the timber cruise compilations would then be used to complete the example summary table below.
  
- b) Conduct a Systematic/Unbiased Basal Area Reconnaissance
  - (i) This type of survey would be less formal than a timber cruise but would collect similar information.
  - (ii) The information collected through this survey technique would then be compiled to assist in the completion of the example summary table below.

Regardless of the pre-harvest field data collection method employed, a detailed 'harvest' timber cruise will be required to quantify the basal area and volume of the trees selected for timber harvesting. It is expected that this timber cruise, in addition to maps and other supporting information, would be required as part of the cutting permit application.

The completion of the table, outlined below, would act to verify and provide assurance that the implementation of the intermediate cut stocking standard and the basal area targets, as outlined above, are being achieved. This table as well as any applicable supporting professional assessments would be maintained on file by the signing Professional Forester, employing the intermediate cut stocking standard, in support of their due diligence. Additionally, this information would be available to the Ministry of Forests, Lands, Natural Resource Operations and Rural Development upon request.

**Table 1.** Example table used to document the pre-harvest and harvest stand composition where the intermediate cut stocking standard is to be employed.

Species	Pre-Harvest			Harvest Target			% Harvest Target		
	SPH	Basal Area	Net Volume	SPH	Basal Area	Net Volume	SPH	Basal Area	Net Volume
Fd	0	0	0	0	0	0	0%	0%	0%
Cw	0	0	0	0	0	0	0%	0%	0%
Yc	0	0	0	0	0	0	0%	0%	0%
Hw	0	0	0	0	0	0	0%	0%	0%
Hm	0	0	0	0	0	0	0%	0%	0%
Ba	0	0	0	0	0	0	0%	0%	0%
Bg	0	0	0	0	0	0	0%	0%	0%
Dr	0	0	0	0	0	0	0%	0%	0%
Act	0	0	0	0	0	0	0%	0%	0%
Mb	0	0	0	0	0	0	0%	0%	0%
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>

Note: The tree species appearing in this table can be adjusted based on the pre-harvest stand composition.

This Forest Stewardship Plan is consistent with Section 44 (Free Growing Stands Generally) of the *Forest Planning and Practices Regulation*, which states:

- (3) A person is exempt from the requirements of Section 29 (1) and (2) [*free growing stands*] of the Act in respect of an area if timber harvesting is restricted to one or more of the following:
  - (h) commercial thinning, removal of individual trees, or a similar type of intermediate cutting;



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**CWH dm Biogeoclimatic Zone**  
**Single Entry Dispersed Retention Stocking Standard (SEDRSS)**

		Regeneration Guide									Free Growing Guide	
		Species	Site Occupancy						Regen	MITD	Species	Height (m)
BGCU	Layer		All BA combinations are applicable to survey plots								Species	Height (m)
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations				Only Used During Plots				
CWH dm 01, 04,05,06,07	Residual Layer (L1) ( $\geq 12.5$ dbh) (BA $m^2/ha$ )	Fdc, Cw, Hw	0-4 $m^2/ha$	5-10 $m^2/ha$	11-16 $m^2/ha$	17-23 $m^2/ha$	24-39 $m^2/ha$	$\geq 40 m^2/ha$	6	N/A	N/A	
	Regen Layer (L2-L4) (WS/ha. TSS – Target MSS - Minimum)	Fdc Cw Hw	900 TSS 500 MSS	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Fd Hw  Cw	2.25  1.50
BGCU	Layer		All BA combinations are applicable to survey plots								Species	Height (m)
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations				Only Used During Plots				
CWH dm 03	Residual Layer (L1) ( $\geq 12.5$ dbh) (BA $m^2/ha$ )	Fdc, Cw, Hw	0-4 $m^2/ha$	5-10 $m^2/ha$	11-16 $m^2/ha$	17-23 $m^2/ha$	24-39 $m^2/ha$	$\geq 40 m^2/ha$	6	N/A	N/A	
	Regen Layer (L2-L4) (WS/ha. TSS – Target MSS - Minimum)	Fdc Cw Hw	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	300 TSS 50 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Fd Hw  Cw	2.00  1.00

1) Fdc: applicable only to site series with Site Indexes 24 to 36 meters and Fdc second growth stands (>80% 2nd growth)

- Ecologically Suitable only in areas with < 10  $m^2/ha$ . BA.;
- Layer 3 restricted to a maximum of 200 WS/FG /ha (1 per 3.99 m plot) with  $\geq 10 m^2/ha$  and  $\leq 16 m^2/ha$ . BA;
- Not Suitable > 16  $m^2/ha$ . BA;
- Not Suitable on north aspects unless no residual trees within 2 stand tree lengths.

2 ) Cw:

- Ecologically Suitable only in areas with < 10  $m^2/ha$ . BA.;
- Restricted to a maximum of 200 WS/FG /ha (1 per 3.99 m plot) with  $\geq 10 m^2/ha$  and  $\leq 23 m^2/ha$ . BA;
- Not Suitable > 23  $m^2/ha$ . BA.

**CWH ds1 Biogeoclimatic Zone**  
**Single Entry Dispersed Retention Stocking Standard (SEDRSS)**

		Regeneration Guide									Free Growing Guide	
		Species	Site Occupancy						Regen	MITD	Species	Height (m)
BGCU	Layer		All BA combinations are applicable to survey plots								Species	Height (m)
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations				Only Used During Plots				
CWH ds 01, 05,06,07	Residual Layer (L1) (≥12.5dbh) (BA m <sup>2</sup> /ha)	Fdc, Cw, Hw	0-4 m <sup>2</sup> /ha	5-10 m <sup>2</sup> /ha	11-16 m <sup>2</sup> /ha	17-23 m <sup>2</sup> /ha	24-39 m <sup>2</sup> /ha	≥ 40 m <sup>2</sup> /ha	6	N/A	N/A	
	Regen Layer (L2-L4) (WS / ha. TSS – Target MSS - Minimum)	Fdc <sup>1</sup> Cw <sup>2</sup> Hw	900 TSS 500 MSS	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Fd Hw Cw	1.75 1.00 1.50
BGCU	Layer		All BA combinations are applicable to survey plots								Species	Height (m)
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations				Only Used During Plots				
CWH ds 03,04	Residual Layer (L1) (≥12.5dbh) (BA m <sup>2</sup> /ha)	Fdc, Cw, Hw	0-4 m <sup>2</sup> /ha	5-10 m <sup>2</sup> /ha	11-16 m <sup>2</sup> /ha	17-23 m <sup>2</sup> /ha	24-39 m <sup>2</sup> /ha	≥ 40 m <sup>2</sup> /ha	6	N/A	N/A	
	Regen Layer (L2-L4) (WS / ha. TSS – Target MSS - Minimum)	Fdc <sup>1</sup> Cw <sup>2</sup> Hw	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	300 TSS 50 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Fd Hw Cw	1.50 1.00 1.00

1) Fdc: applicable only to site series with Site Indexes 24 to 36 meters and Fdc second growth stands (>80% 2nd growth)

- Ecologically Suitable only in areas with < 10 m<sup>2</sup>/ha. BA.;
- Layer 3 restricted to a maximum of 200 WS/FG/ha (1 per 3.99 m plot) with ≥ 10 m<sup>2</sup>/ha and ≤ 16 m<sup>2</sup>/ha. BA;
- Not Suitable > 16 m<sup>2</sup>/ha. BA;
- Not Suitable on north aspects unless no residual trees within 2 stand tree lengths.

2 ) Cw:

- Ecologically Suitable only in areas with < 10 m<sup>2</sup>/ha. BA.;
- Restricted to a maximum of 200 WS/FG/ha (1 per 3.99 m plot) with ≥ 10 m<sup>2</sup>/ha and ≤ 23 m<sup>2</sup>/ha. BA;
- Not Suitable > 23 m<sup>2</sup>/ha. BA;

**CWH ms1 Biogeoclimatic Zone**  
**Single Entry Dispersed Retention Stocking Standard (SEDRSS)**

		Regeneration Guide								Free Growing Guide		
		Species	Site Occupancy					Regen	MITD	Species	Height (m)	
BGCU	Layer		All BA combinations are applicable to survey plots							Species	Height (m)	
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations			Only Used During Plots					
CWH ms 01,04, 05,06	Residual Layer (L1) ( $\geq 12.5$ dbh) (BA $m^2/ha$ )	Fdc, Cw, Hw, Ba	0-4 $m^2/ha$	5-10 $m^2/ha$	11-16 $m^2/ha$	17-23 $m^2/ha$	24-39 $m^2/ha$	$\geq 40 m^2/ha$	6	N/A	N/A	
	Regen Layer (L2-L4) (WS / ha. TSS – Target MSS - Minimum)	Fdc <sup>1</sup> , Cw <sup>2</sup> , Hw, Ba	900 TSS 500 MSS	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Fd Hw, Cw Ba	1.75 1.00 0.75
BGCU	Layer		All BA combinations are applicable to survey plots							Species	Height (m)	
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations			Only Used During Plots					
CWH ms1 03	Residual Layer (L1) ( $\geq 12.5$ dbh) (BA $m^2/ha$ )	Fdc, Cw, Hw	0-4 $m^2/ha$	5-10 $m^2/ha$	11-16 $m^2/ha$	17-23 $m^2/ha$	24-39 $m^2/ha$	$\geq 40 m^2/ha$	6	N/A	N/A	
	Regen Layer (L2-L4) (WS / ha. TSS – Target MSS - Minimum)	Fdc <sup>1</sup> , Cw <sup>2</sup> , Hw	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	300 TSS 50 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Fd Hw Cw	1.75 1.50 1.50

1) Fdc : applicable only to site series with Site Indexes 24 to 36 meters and Fdc second growth stands (>80% 2nd growth)

- Ecologically Suitable only in areas with < 10  $m^2/ha$ . BA;
- Layer 3 restricted to a maximum of 200 WS/FG /ha (1 per 3.99 m plot) with  $\geq 10 m^2/ha$  and  $\leq 16 m^2/ha$ . BA;
- Not Suitable > 16  $m^2/ha$ . BA;
- Not Suitable on north aspects unless no residual trees within 2 stand tree lengths.

2) Cw :

- Ecologically Suitable only in areas with < 10  $m^2/ha$ . BA;
- Restricted to a maximum of 200 WS/FG /ha (1 per 3.99 m plot) with  $\geq 10 m^2/ha$  and  $\leq 23 m^2/ha$ . BA;
- Not Suitable > 23  $m^2/ha$ . BA.

**CWHvm1 Biogeoclimatic Zone**  
**Single Entry Dispersed Retention Stocking Standard (SEDRSS)**

		Regeneration Guide								Free Growing Guide	
		Species	Site Occupancy					Regen	MITD	Species	Height (m)
BGCU	Layer		All BA combinations are applicable to survey plots							Species	Height (m)
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations			Only Used During Plots				
CWH vm1 01,04, 05,06, 07, 08	Residual Layer (L1) (≥12.5dbh) (BA m <sup>2</sup> /ha)	Fdc, Cw, Hw, Ba	0-4 m <sup>2</sup> /ha	5-10 m <sup>2</sup> /ha	11-16 m <sup>2</sup> /ha	17-23 m <sup>2</sup> /ha	24-39 m <sup>2</sup> /ha	≥ 40 m <sup>2</sup> /ha	6	N/A	N/A
	Regen Layer (L2-L4) (WS / ha. TSS – Target MSS - Minimum)	Fdc, Cw Hw, Ba	900 TSS 500 MSS	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Fd, Hw Cw Ba 2.25 1.50 1.75
BGCU	Layer		All BA combinations are applicable to survey plots							Species	Height (m)
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations			Only Used During Plots				
CWH vm1 03	Residual Layer (L1) (≥12.5dbh) (BA m <sup>2</sup> /ha)	Fdc, Cw, Hw	0-4 m <sup>2</sup> /ha	5-10 m <sup>2</sup> /ha	11-16 m <sup>2</sup> /ha	17-23 m <sup>2</sup> /ha	24-39 m <sup>2</sup> /ha	≥ 40 m <sup>2</sup> /ha	6	N/A	N/A
	Regen Layer (L2-L4) (WS / ha. TSS – Target MSS - Minimum)	Fdc, Cw Hw	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	300 TSS 50 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Fd,Hw Cw 2.00 1.00

1) Fdc: applicable only to site series with Site Indexes 24 to 36 meters and Fdc second growth stands (>80% 2nd growth)

- Ecologically Suitable only in areas with < 10 m<sup>2</sup> /ha. BA;
- Layer 3 restricted to a maximum of 200 WS/FG /ha (1 per 3.99 m plot) with ≥ 10 m<sup>2</sup> /ha and ≤ 16 m<sup>2</sup>/ha. BA;
- Not Suitable > 16 m<sup>2</sup>/ha. BA;
- Not Suitable on north aspects unless no residual trees within 2 stand tree lengths.

2) Cw:

- Ecologically Suitable only in areas with < 10 m<sup>2</sup> /ha. BA;
- Restricted to a maximum of 200 WS/FG /ha (1 per 3.99 m plot) with ≥ 10 m<sup>2</sup> /ha and ≤ 23 m<sup>2</sup>/ha. BA;
- Not Suitable > 23 m<sup>2</sup>/ha. BA.

## CWHvm2 Biogeoclimatic Zone Single Entry Dispersed Retention Stocking Standard (SEDRSS)

		Regeneration Guide								Free Growing Guide	
		Species	Site Occupancy					Regen	MITD	Species	Height (m)
BGCU	Layer		All BA combinations are applicable to survey plots							Species	Height (m)
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations			Only Used During Plots				
CWH vm2 01,04, 05,06, 07, 08	Residual Layer (L1) ( $\geq 12.5$ dbh) (BA $m^2/ha$ )	Fdc, Cw, Hw, Ba, Yc	0-4 $m^2/ha$	5-10 $m^2/ha$	11-16 $m^2/ha$	17-23 $m^2/ha$	24-39 $m^2/ha$	$\geq 40 m^2/ha$	6	N/A	N/A
	Regen Layer (L2-L4) (WS / ha. TSS – Target MSS - Minimum)	Fdc, Cw Hw, Ba, Yc	900 TSS 500 MSS	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Fd, Hw Cw, Yc Ba 1.75 1.50 1.75
BGCU	Layer		All BA combinations are applicable to survey plots							Species	Height (m)
			Only Used During Plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS Obligations			Only Used During Plots				
CWH vm1 03	Residual Layer (L1) ( $\geq 12.5$ dbh) (BA $m^2/ha$ )	Fdc, Cw, Hw, Ba, Yc	0-4 $m^2/ha$	5-10 $m^2/ha$	11-16 $m^2/ha$	17-23 $m^2/ha$	24-39 $m^2/ha$	$\geq 40 m^2/ha$	6	N/A	N/A
	Regen Layer (L2-L4) (WS / ha. TSS – Target MSS - Minimum)	Fdc, Cw Hw, Ba, Yc	800 TSS 400 MSS	700 TSS 300 MSS	500 TSS 200 MSS	400 TSS 100 MSS	300 TSS 50 MSS	0 0	6	L1 Drip line or 2.0 m (L2- L4)	Hw Ba, Fdc Cw, Yc 1.75 1.50 1.00

1) Fdc: applicable only to site series with Site Indexes 24 to 36 meters and Fdc second growth stands (>80% 2nd growth)

- Ecologically Suitable only in areas with < 10  $m^2/ha$ . BA;
- Layer 3 restricted to a maximum of 200 WS/FG /ha (1 per 3.99 m plot) with  $\geq 10 m^2/ha$  and  $\leq 16 m^2/ha$ . BA;
- Not Suitable > 16  $m^2/ha$ . BA;
- Not Suitable on north aspects unless no residual trees within 2 stand tree lengths.

2) Cw:

- Ecologically Suitable only in areas with < 10  $m^2/ha$ . BA;
- Restricted to a maximum of 200 WS/FG /ha (1 per 3.99 m plot) with  $\geq 10 m^2/ha$  and  $\leq 23 m^2/ha$ . BA;
- Not Suitable > 23  $m^2/ha$ . BA.



**PROBYN LOG LTD.**

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# **Appendix 3**

**List of Active Cutting Permits**

(Active Road Permits Appear on FSP Maps)

May of 2023

License	Cutting Permit Number	Cut Block Number	Forest Development Unit	Date Approved	Date Expired
A75657	15	SK3	Chehalis	06-Apr-21	05-Apr-25
A75657	15	SK4	Chehalis	06-Apr-21	05-Apr-25
A75657	15	SK6	Chehalis	06-Apr-21	05-Apr-25
A75657	15	SK23	Chehalis	06-Apr-21	05-Apr-25
A75657	15	SK22B	Chehalis	06-Apr-21	05-Apr-25
A75657	15	SK22D	Chehalis	06-Apr-21	05-Apr-25
A75657	16	SK22A	Chehalis	04-Aug-22	03-Aug-26
A75657	17	SK20	Chehalis	22-Aug-22	21-Aug-26
A75657	17	SK21	Chehalis	22-Aug-22	21-Aug-26
A75657	17	SK22C	Chehalis	22-Aug-22	21-Aug-26
A79507	N/A	N/A	N/A	N/A	N/A
A96396	N/A	N/A	N/A	N/A	N/A
A81096	N/A	N/A	N/A	N/A	N/A
A96967	N/A	N/A	N/A	N/A	N/A
AXXXXX	N/A	N/A	N/A	N/A	N/A