



*BC Timber Sales*  
*Kootenay Business Area*

# FOREST STEWARDSHIP PLAN

## #914

### 2022 to 2027

Version: Draft for Review and Comment Feb 3, 2022

This Forest Stewardship Plan is applicable to  
BC Timber Sales' planning, operations, licences and permits within:  
**Rocky Mountain Natural Resource District and  
Selkirk Natural Resource District**

BC Timber Sales  
Kootenay Business Area  
1907 Ridgewood Road  
Nelson, B.C.  
V1L 6K1

# TABLE OF CONTENTS

- 1 SIGNATURES..... 4
- 2 INTERPRETATION ..... 5
  - 2.1 Holder..... 5
  - 2.2 Term ..... 5
  - 2.3 Content ..... 5
  - 2.4 Structure ..... 5
  - 2.5 Amendments..... 5
  - 2.6 Definitions and Acronyms..... 5
    - 2.6.1 Definitions in Legislation ..... 5
    - 2.6.2 FSP Specific Definitions ..... 7
    - 2.6.3 Section Specific Definitions ..... 11
    - 2.6.4 Acronyms ..... 11
- 3 FOREST DEVELOPMENT UNITS..... 12
- 4 TIMBER SALE LICENCES AND ROAD PERMITS IN EFFECT ..... 14
- 5 DECLARED AREAS ..... 14
- 6 RESULTS AND STRATEGIES ..... 14
  - 6.1 Soils ..... 15
    - 6.1.1 Soil Disturbance and Access Structures ..... 15
    - 6.1.2 Terrain Stability ..... 17
    - 6.1.3 Road Maintenance ..... 19
    - 6.1.4 Road Deactivation ..... 21
  - 6.2 Old and Mature Forest..... 23
  - 6.3 Water, Fish, Wildlife and Biodiversity within Riparian Areas ..... 26
  - 6.4 Wildlife and Biodiversity — Landscape Level ..... 30
  - 6.5 Wildlife and Biodiversity — Stand Level ..... 32
  - 6.6 Wildlife ..... 36
  - 6.7 Fish Habitat in Fisheries Sensitive Watersheds..... 40
  - 6.8 Water in Community Watersheds ..... 42
  - 6.9 Consumptive Use Streams ..... 45
  - 6.10 Visual Quality ..... 48
  - 6.11 Cultural Heritage Resources..... 51
  - 6.12 Recreation Features with Established Objectives..... 54

7	MEASURES .....	57
7.1	Measures to Prevent the Introduction or Spread of Invasive Plants.....	58
7.1.1	Training, Identification, Reporting, Interventions and Monitoring .....	58
7.1.2	Road Revegetation.....	60
7.2	Measures to Mitigate the Effect of Removing or Rendering Ineffective Natural Range Barriers 61	
8	STOCKING STANDARDS.....	63
	APPENDICES .....	64
	Appendix 2.5 – Amendments.....	64
	Appendix 2.6.4 – Acronyms .....	65
	Appendix 3 (External) – FDU Maps .....	66
	Appendix 4 – Timber Sale Licences and Road Permits in Effect .....	67
	Appendix 5 – Declared Areas .....	69
	Appendix 6.5 (External) – WTR Management Guidance .....	71
	Appendix 6.8 – Designated Community Watersheds in Effect .....	72
	Appendix 8 (External) – Stocking Standards .....	75

# 1 SIGNATURES

## Signature of the Person Required to Prepare this FSP:

---

George Edney, RPF

***Timber Sales Manager***

Kootenay Business Area

Date: Month Day, 2022

## Signature and Seal of Preparing Registered Professional Foresters:

---

Richard Cane, RPF

Date: Month Day, 2022

---

Russ Holitzki, RPF

Date: Month Day, 2022

*"I certify that I have reviewed this document and, while I did not personally supervise the work described, I have determined that this work has been completed to the standards expected of a registrant of the Association of British Columbia Forest Professionals."*

## 2 INTERPRETATION

### 2.1 Holder

The holder of this FSP is the **Timber Sales Manager (TSM)** for the BC Timber Sales (BCTS) Kootenay Business Area (TKO). Detailed information about BCTS, including its goals, objectives and key strategies, can be found at the following website address:

<https://www2.gov.bc.ca/gov/content/industry/forestry/bc-timber-sales>

### 2.2 Term

The term of this FSP is five years, commencing from the date of approval by the Delegated Decision Maker (DDM) for the Minister of Forests, Lands, Natural Resource Operations and Rural Development or another date as specified by the DDM.

### 2.3 Content

This Forest Stewardship Plan is consistent with the requirements specified in the [Forest and Range Practices Act \(FRPA\) Part 2 – Forest Stewardship Plan, Site Plan and Woodlot Licence Plan, Division 1](#) and the [Forest Planning and Practices Regulations \(FPPR\) Part 2 – Forest Stewardship Plans](#).

### 2.4 Structure

Appendices to this FSP provide additional detailed information. Numbered appendices correspond to numbered FSP sections, therefore, gaps in appendix numbering are intentional.

### 2.5 Amendments

Table 1 tracks amendment to this FSP.

Table 1. Amendments to FSP #914.

Document Date	Amendment / Version	Approval / Effective Date	Author(s)	Description of Change(s)
Draft Feb 2, 2022	Original	TBD	Richard Cane, RPF Russ Holitzki, RPF	Original FSP 2022-2027

### 2.6 Definitions and Acronyms

Defined terms are identified and included throughout this FSP to ensure that FSP **results, strategies** and measures are measurable and/or verifiable. These definitions have been informed by British Columbia acts and regulations, where possible. In the event of a discrepancy between definitions within this FSP and those in legislation, the latter shall prevail. References to the singular include the plural and vice versa.

#### 2.6.1 Definitions in Legislation

Defined terms from FRPA and FPPR appear throughout the FSP in **bold font**. This has been done to highlight the importance of referring to this legislation when interpreting the FSP content. Furthermore, the following key definitions from [FRPA Sec. 1](#) and [FPPR Sec.1](#), as they were 4 months prior to the FSP

submission date, are copied below for easy reference. Not all terms that are defined in legislation and appear in this FSP are listed below.

### **2.6.1.1 FRPA Section 1 Definitions**

**“objectives set by government”** means

- (a) objectives prescribed under section 149 (1),
- (b) objectives established under section 93.4 of the Land Act by the minister responsible for the administration of the Land Act, or
- (c) objectives established by the Haida Gwaii Management Council under section 4 (1) of the Haida Gwaii Reconciliation Act;

**“result”** means a description of

- (a) measurable or verifiable outcomes in respect of a particular established objective, and
- (b) the situations or circumstances that determine where in a forest development unit the outcomes under paragraph (a) will be applied;

**“strategy”** means a description of

- (a) measurable or verifiable steps or practices that will be carried out in respect of a particular established objective, and
- (b) the situations or circumstances that determine where in a forest development unit the steps or practices will be applied;

### **2.6.1.2 FPPR Section 1 Definitions**

**"primary forest activity"** means one or more of the following:

- (a) timber harvesting;
- (b) silviculture treatments;
- (b.1) wildlife habitat enhancement;
- (c) road construction, maintenance and deactivation;

**“harvest”**, in relation to timber, means to fell or remove timber, other than under a **silviculture treatment**, including to

- (a) yard, deck or load timber,
- (b) process timber on site,
- (c) pile or dispose of logging debris,
- (d) construct excavated or bladed trails or other logging trails,
- (e) rehabilitate an area referred to in section 35, and
- (f) carry out sanitation treatments associated with operations referred to in paragraphs (a) to (e);

**"silviculture treatment"** includes

- (a) site preparation for the purposes of reforestation,
- (b) planting trees,

- (c) brushing, including grazing for the purposes of brushing,
- (d) juvenile spacing,
- (e) fertilization,
- (f) pruning,
- (g) sanitation treatments associated with a silviculture treatment, and
- (h) pest management treatments, other than sanitation treatments;

## 2.6.2 FSP Specific Definitions

Defined terms applicable across this FSP are found below and appear throughout the FSP in ***italicized and bold font***.

***“agreement holder”*** means the holder of a contract or agreement related to **primary forest activities**, and includes:

- (A) the holder of a contract or agreement granting **timber harvesting** rights (i.e. a timber sale licence, forestry licence to cut, or road permit), issued by the **TSM** on behalf of the government under the [Forest Act Sec. 12\(2\)](#),
- (B) the holder of a contract or agreement to carry out **road construction, road maintenance or road deactivation**, issued by the **TSM**, and
- (C) the holder of a contract or agreement to carry out **silviculture treatments**, issued by the **TSM**.

***“ancient forest”*** means a forest stand at least 0.1 hectare in area

- (A) that is aged
  - (I) >250 years, for a stand within a BEC classified as Natural Disturbance Type 3, or
  - (II) >400 years, for a stand within a BEC classified as Natural Disturbance Type 1, 2 or 4;
 and
- (B) where the age of the forest stand is either
  - (I) derived from the VRI, or
  - (II) confirmed through an **ancient forest field assessment**, including where a potential ancient forest is encountered in the field during the course of regular forestry field activities.

***“ancient forest field assessment”*** means an **assessment** of a forest stand where field-collected stand age data is used to evaluate the age of the forest stand against the **ancient forest** age criteria.

***“assessment”*** means an evaluation undertaken by a **qualified professional** which considers the specific situation, identifies necessary **measures**, and summarizes the evaluation in the form of a **professional quality rationale**.

***“certificate of analysis”*** means written confirmation from a seed provider verifying that invasive plant seeds are not present in a **high quality seed mix**.

***“collaborate”*** means to provide planning information, offer to exchange information and coordinate.

***“contractor”*** means the holder of a contract issued by the **TSM**, where the subject of the contract is related to fulfilling the requirements of **results, strategies** or measures specified in this FSP for which the **TSM** is directly responsible.

**“damaged timber”** means

- (A) trees impacted by wind, fire, or forest health factors, and
- (B) where a **minor incursion** is within an **OGMA, ancient forest, WTRA**, or WTP, where the feature is **rendered ineffective**;

**“deliver”** means to provide to

- (A) new BCTS staff within 1 year of the start of employment,
- (B) all BCTS staff every 5 years, and
- (C) all BCTS staff within 1 year of new relevant information becoming available.

**“document/documentated”** means written evidence of the pertinent details, as determined and prepared by a **qualified professional**, as detailed in a **project plan**.

**“forest licensee”** means the holder of a tenure with **timber harvesting** and/or **road construction** rights, issued under the [Forest Act Sec. 12\(1\)](#).

**“FRPA value”** means one or more of the following:

- (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
- (K) cultural heritage resources

**“high quality seed mix”** means either

- (A) a mix recommended by a MFLNRORD range specialist if available, otherwise
- (B) Canada Common #1 Forage mix (or better grade).

**“highly susceptible”** means

- (A) a susceptibility hazard class of high or very high as indicated by
  - (I) a field assessment or on MFLNRORD susceptibility mapping, and/or
  - (II) as defined within a MFLNRORD Forest Health Strategy; and
- (B) where the timber is within 2 kilometres of a forest stand at least 0.1 hectares in area with a live infestation level greater than 30% of the merchantable stems per hectare of the stand, as indicated by a field **assessment**.

**“landscape unit/BEC zone combination”** means

- (A) a landscape unit as identified in the KBHLPO and mapped on KBHLPO Map 1.1, and



(B) a Biogeoclimatic Ecosystem Classification Zone identified and mapped in Land Management Handbook 20.

**“licensed domestic water user”** means those persons listed on the [B.C. Government Water Licences Query Website](#) (or successor) as holding a licence for domestic use and where the licenced intake is being utilized.

**“measure”** means a specific step or course of action necessary to ensure that an applicable

- (A) FSP **result** is achieved,
- (B) FSP **strategy** step is carried out, and/or
- (C) FSP measure is conducted to
  - (I) prevent the introduction or spread of invasive plants, and/or
  - (II) mitigate the loss of natural range barriers.

**“minor incursion”** means **primary forest activities** for one or more of the following reasons, and limited to the extent required by the reasons:

- (A) to address **safety hazards**,
- (B) to remove **damaged timber**,
- (C) to remove timber that is **highly susceptible** to insect damage,
- (D) to remove windthrown trees that are a **potential source to cause epidemic insect spread**, and/or
- (E) to address **operational constraints**.

**“objectives”** means **objectives set by government** and **other objectives established under the FRPA**, collectively.

**“old forest”** means ‘old forest’ or ‘old and mature forest’ as specified under KBHLPO Objective 2.

**“old growth management area (OGMA)”** means an area spatially identified as either

- (A) a non-legal **OGMA** in the BC Geographic Warehouse data layer known as “Old Growth Management Areas - Non-Legal - Current”, or
- (B) the **OGMA** layer of the BCTS GIS Data Library (which tracks BCTS **OGMA minor incursions** and **replacement areas** [for definition refer to FSP Section 6.2, Sub-Section Specific Definitions]).

**“operational constraints”** means locating roads, tail holds, guy line tiebacks, designated skid trails or yarding corridors where there is

- (A) no other **practicable** option without a **minor incursion**, or
- (B) another option would result in a greater risk to one or more **FRPA values**.

**“other objectives established under the FRPA”** means all other **objectives** that are established under the FRPA but are not **objectives set by government**.

**“potential source to cause epidemic insect spread”** means situations where windthrown trees are:

- (A) spruce or Douglas-fir species, which have been down for 3 years or less, and
- (B) in proximity to a susceptible mature stand, defined as a timber type that is:

- (I) within 2 kilometres and where greater than 50% of the stems per hectare or basal area (>12.5 centimetres DBH) is spruce greater than 100 years old, in the case of spruce blowdown; or
- (II) within 1 kilometre and where greater than 50% of the stems per hectare or basal area (>12.5 centimetres DBH) is Douglas-fir greater than 80 years old, in the case of Douglas-fir blowdown.

**“practicable”** means that which is feasible or performable in the circumstances, when the balance of all relevant factors (such as environment, social, economic, safety, usefulness) is considered (acknowledging FRPA General Bulletins to [Number 3](#) and [Number 12](#)).

**“professional practice guidelines”** means comprehensive guidance about conduct or practice that a registrant of the Association of B.C. Forest Professionals must follow, or where a registrant identifies a reason for not following the guidelines, the registrant documents the reason in a **professional quality rationale**. A list of guidelines is available in [ABCFP Bylaw 9 Schedule B](#).

**“professional quality rationale”** means a written document which is consistent with the requirements of the [ABCFP Guidance for Professional Quality Rationales and Commitments](#) (ABCFP, 2008).

**“project plan”** means a Site Plan, Support Document, Silviculture Plan, Harvest Plan or TSL Document, including associated maps and subordinate operational documents, which has been prepared for a cutblock or road to which this FSP applies.

**“qualified professional”** means an individual who’s training, ability, and experience makes them competent in the relevant area of practice, and where that area of practice is regulated by a self-regulating profession, a registrant in good standing of the applicable regulatory body.

**“record”** means written evidence of the pertinent details, as determined and prepared by a **qualified professional**, which is detailed external to a **project plan**.

**“referral”** means

- (A) a written description and/or map of the planned **timber harvesting** or **road construction**, and
- (B) a review and comment period of at least 30 days, unless otherwise agreed to.

**“rendered ineffective”** means

- (A) for an **OGMA** or **ancient forest**, damaged to a degree that the **OGMA** or **ancient forest** no longer has the biological value of **old forest** considering the factors identified in footnote k of KBHLPO Objective 2 (5), or
- (B) for a **WTRA** or **WTP**, damaged to a degree that the **WTRA** or **WTP** no longer has attributes consistent with a mature (or old) seral condition and considering the original intent of the **WTRA** or **WTP** (if known).

**“revegetation”** means to

- (A) procure a **high quality seed mix** including a **certificate of analysis**,
- (B) apply a **high quality seed mix**,
- (C) where dry seeding is being undertaken, apply at a rate of 30 to 50 kilograms per hectare, and
- (D) carry out the activity
  - (I) either

- (1) concurrent with **road construction** or **road deactivation**,
- (2) during the first spring following **road construction** or **road deactivation**, or
- (3) during the first fall upon completion of **road construction** or **road deactivation**; and

(II) no later than 12 months following the formation of **road exposed mineral soils**.

**“road construction”** means a subset of **primary forest activities**, as defined under the FPPR.

**“road deactivation”** means a subset of **primary forest activities**, as defined under the FPPR, and includes road rehabilitation.

**“road exposed mineral soils”** means mineral soils resulting from **road construction** and **road deactivation** that are in the following locations:

- (A) cut and fill slopes along
  - (I) new permanent maintained roads, and
  - (II) new permanent deactivated roads;
- (B) landings, and
- (C) roadside work areas.

**“road maintenance”** means a subset of **primary forest activities**, as defined under the FPPR.

**“safety hazards”** mean an exemption necessary under the [FPPR Sec. 2\(3\)](#), to allow a person to conform to the Workers Compensation Act and the regulations under that Act.

**“soil hazard assessment”** means an **assessment**

- (A) using the MFLNRORD FS39-A form, or
- (B) an alternative to the MFLNRORD FS39-A (Silviculture Prescription Plot Card) form, as deemed a suitable alternative by a **qualified professional**.

**“timber harvesting”** means a subset of **primary forest activities** and is further clarified as ‘to harvest timber’.

**“timber sale licence (TSL)”** means an agreement granting rights to harvest Crown timber entered into under the [Forest Act Sec. 12\(2\)\(a\)](#).

**“timber sales manager (TSM)”** means the B.C. Timber Sales Kootenay Business Area Timber Sales Manager or delegate.

**“TKO watershed assessment and risk management framework (framework)”** means the contemporary procedure developed by the B.C. Timber Sales Kootenay Business Area to comply with the requirements of the **professional practice guidelines**, as amended from time to time.

### 2.6.3 Section Specific Definitions

Defined terms applicable to a single sub-section of the FSP are found at the end of that sub-section and appear within that sub-section in *italicized font*.

### 2.6.4 Acronyms

A list of acronyms commonly used within this FSP can be found in the associated numbered appendix.

### 3 FOREST DEVELOPMENT UNITS

This Forest Stewardship Plan specifies four Forest Development Units (FDUs): Arrow FDU, Boundary FDU, Kootenay Lake FDU, and Rocky Mountain FDU. The general location of the FDUs is presented in Figure 1. As per [FPPR Sec. 14\(1\)\(b\)](#) the FDUs specified are in effect under the present FSP for the BCTS Kootenay Business Area, FSP#601. The FDU maps in Appendices 3A, 3B, 3C and 3D identify the features required by [FPPR Sec. 14\(3\)](#), where applicable and in effect 4 months before the date of submission for approval of this FSP. Additionally, the FDU maps identify BCTS operating areas where the vast majority cutblocks and roads will be located; however, the location of cutblocks and/or roads external to these BCTS operating areas may occur on occasion for incidental reasons. The FDUs specified herein overlap with the FDUs of other FSPs; **strategies to collaborate** with other **forest licensees** to achieve **objectives** have been integrated into the various sections of the FSP. Table 2 clarifies how features have been mapped relative to the [FPPR Sec. 14\(3\)](#) requirements.

Figure 1. FSP#914 Forest Development Units (FDUs), General Location Map

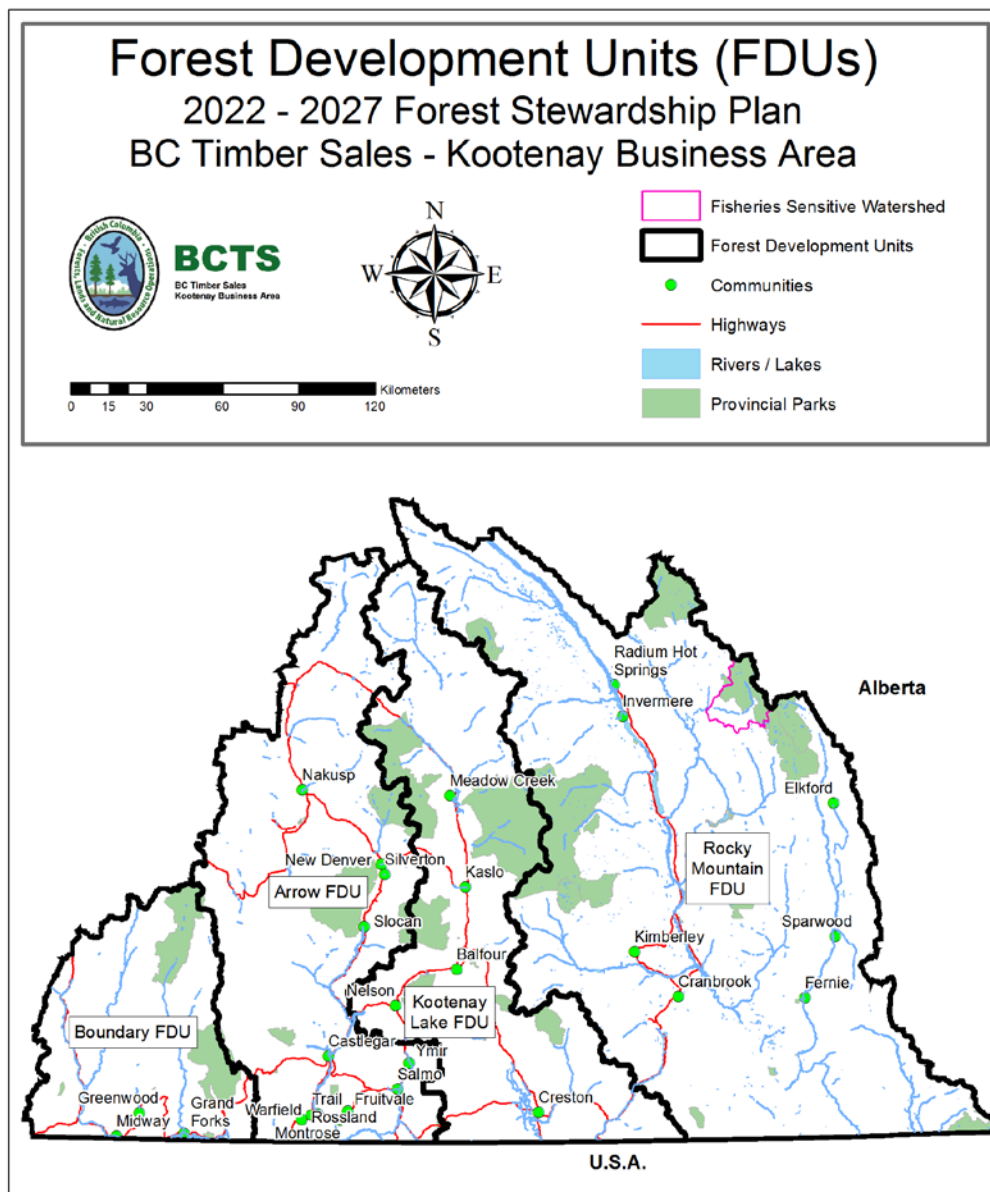


Table 2. FPPR Sec. 14(3) requirements and FDU map content.

FPPR Sec. 14(3) Requirements and FDU Map Content		
Things to be identified	Mapped (Yes/No/Not Applicable)	Comments
(a) ungulate winter range,	Yes	
(b) wildlife habitat area,	Yes	
(c) fisheries sensitive watershed,	Yes	One only; Palliser fisheries sensitive watershed located in the Rocky Mountain FDU.
(d) lakeshore management zone, including specifying the width of the zone, if the zone is identified on a map accompanying the establishment of the lakeshore management zone,	Not applicable	No lakeshore management zones have been established within the FDUs.
(e) scenic area,	Yes	FDU maps are labeled with <i>the associated established visual quality objective</i> .
(f) lake identified as an L1 lake under section 49(1)(b)(ii) if the lake has been identified on a map accompanying the identification,	Not applicable	No L1 lakes have been established under section 49(1)(b)(ii) within the FDUs.
(g) community watershed,	Yes	A table of community watersheds within the FDUs is also included in Appendix 6.8.
(h) old growth management area,	Not applicable	The non-legal <b>OGMAs</b> present within the FDUs are not “old growth management areas” as per the FPPR definition; these non-legal <b>OGMAs</b> are not mapped to avoid clutter on the FDU maps.
(i) area in which commercial timber harvesting is prohibited by another enactment,	Yes	Private Land, Protected Areas, Provincial Parks, National Parks are included on the FDU maps.
(j) cutting permit and road permit held by the agreement holder if that is the person required to prepare the plan, and	Not applicable	Cutting permits and road permits are not applicable to the TSM.
(k) road permit or timber sale licence granted or entered into by the timber sales manager if the timber sales manager is the person required to prepare the plan.	No	Road permits and timber sale licences are identified in Section 4 and Appendix 4 of the FSP.

## 4 TIMBER SALE LICENCES AND ROAD PERMITS IN EFFECT

The timber sale licences (TSLs) and road permits (RPs) granted or entered into by the **TSM** and in effect four months before the FSP submission date, in accordance with [FPPR Sec. 14\(2\)\(b\) and 14\(3\)\(k\)](#), are listed in Appendix 4.

## 5 DECLARED AREAS

The timber sale licences (TSLs) and roads where all activities and evaluations that are necessary in relation to inclusion of cutblocks and roads in the area have been completed, in accordance with [FPPR Sec. 14\(4\)](#) are listed in Appendix 5.

## 6 RESULTS AND STRATEGIES

This section presents **results** and **strategies** to address the applicable **objectives**. Information for each numbered sub-section is organized into three boxes.

OBJECTIVES
The first box presents the applicable <b>objectives</b> for which the <b>results</b> and <b>strategies</b> have been prepared as well as relevant additional legal references. Where possible, all references are hyperlinks to source information and are functional as of the date of FSP submission.
RESULTS AND STRATEGIES
The second box presents the <b>results</b> and <b>strategies</b> developed to address the <b>objectives</b> . Herein, the <b>results</b> and <b>strategies</b> are delegated as being either the responsibility of the <b>TSM</b> or <b>agreement holders</b> . While the <b>TSM</b> is the holder of the FSP and has final accountability for its content and implementation, the nature of BCTS' business model requires many obligations under the FSP to be carried out by <b>agreement holders</b> . The delegation of responsibilities under the FSP has been explicitly stated throughout the <b>results</b> and <b>strategies</b> to give clarity to both the <b>TSM</b> and <b>agreement holders</b> . This will ultimately help ensure that the <b>objectives</b> will be achieved.
SUB-SECTION SPECIFIC DEFINITIONS
The third box presents sub-section specific definitions necessary to interpret and apply the <b>results</b> and <b>strategies</b> . Definitions are presented in alphabetical order.

(The remainder of this page is purposefully blank.)

## 6.1 Soils

OBJECTIVES	
Applicable <i>objectives</i> :	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 5 Objectives set by government for soils</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 12.1 (5) Exemptions — when undertaking given for compliance with specified regulations</a></li> <li>• <a href="#">FPPR Sec. 35 Soil disturbance limits</a></li> <li>• <a href="#">FPPR Sec. 36 Permanent access structure limits</a></li> </ul>

### 6.1.1 Soil Disturbance and Access Structures

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The “<b>TSM</b>” shall, prior to authorizing an “<b>agreement holder</b>” to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) plan <b>primary forest activities</b> to be consistent with FPPR Sec. 35 (soil disturbance limits), and Sec. 36 (permanent access structure limits).</p> <p style="padding-left: 40px;">(2) undertake a ‘<i>soil hazard assessment</i>’ to identify the soil erosion hazard applicable to the <b>net area to be reforested</b> of a cutblock.</p> <p style="padding-left: 40px;">(3) where a ‘very high’ soil erosion hazard is identified in a <i>soil hazard assessment</i>, prescribe as a default <b>measure</b> to mitigate the hazard, the <b>revegetation of road exposed mineral soils</b> within the <b>net area to be reforested</b>.</p> <p style="padding-left: 40px;">(4) where the <b>primary forest activities</b> are for the purpose of ecosystem restoration within the Rocky Mountain FDU, prescribe <i>measures to manage soil disturbance</i>.</p> <p style="padding-left: 40px;">(5) <b>document</b> in a <b>project plan</b></p> <p style="padding-left: 80px;">(a) <b>assessments</b> undertaken,</p> <p style="padding-left: 80px;">(b) <b>measures</b> prescribed,</p> <p style="padding-left: 80px;">(c) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</p> <p style="padding-left: 40px;">(6) provide the <b>project plan</b> to an <b>agreement holder</b>.</p> <p>(2) The <b>TSM</b> may, when an <b>agreement holder</b> is conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) request a <b>certificate of analysis</b> from an <b>agreement holder</b>.</p> <hr/> <p style="text-align: center;">RESPONSIBILITIES OF AGREEMENT HOLDERS</p> <p>(3) An <b>agreement holder</b> shall, when conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) carry out <b>primary forest activities</b> consistent with the <b>project plan</b>.</p>

(2) where **measures** have been **documented** in a **project plan**, carry out **primary forest activities** and other activities in accordance with the **measures**, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.

(3) carry out **primary forest activities** consistent with FPPR Sec. 35 (soil disturbance limits) and Sec. 36 (permanent access structure limits).

(4) where requested by the **TSM**, provide a **certificate of analysis** to the **TSM**.

#### SUB-SECTION SPECIFIC DEFINITIONS

'**measures to manage soil disturbance**' means site-specific **measures**, as determined by a **qualified professional**, to

(A) restrict **timber harvesting** to periods when

(I) soils are sufficiently frozen, or

(II) a snowpack is of sufficient depth and firmness; and/or

(B) limit **soil disturbance** and control the spread of invasive plants, for periods not restricted directly above, considering

(I) soil and subsoil conditions,

(II) slopes and topography,

(III) site moisture,

(IV) seasonal conditions,

(V) **harvest** methods, and

(VI) timing.

(The remainder of this page is purposefully blank.)



## 6.1.2 Terrain Stability

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"><li>(1) undertake a <i>terrain stability overview assessment</i>.</li><li>(2) where a <i>terrain stability overview assessment</i> identifies<ul style="list-style-type: none"><li>(a) slopes exceeding 60%, and/or</li><li>(b) a <b>FRPA value</b>, a <i>high value element</i> or <i>soil conservation</i> is at risk,</li></ul>prescribe <b>measures</b> to limit or prohibit <b>primary forest activities</b> (e.g. limitations to <b>harvest</b> methods, prohibitions to <b>excavated or bladed trail</b> construction or <b>road construction</b>), where and to the extent necessary to mitigate the risk.</li><li>(3) <b>document</b> in a <b>project plan</b><ul style="list-style-type: none"><li>(a) <b>assessments</b> undertaken,</li><li>(b) <b>measures</b> prescribed,</li><li>(c) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</li></ul></li><li>(4) provide the <b>project plan</b> to an <b>agreement holder</b>.</li></ul> <p>(2) The <b>TSM</b> will, when an agreement holder is conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"><li>(1) where the <b>TSM</b> is informed by an <b>agreement holder</b> that a <b>project plan</b> was changed by the <b>agreement holder</b>, to the extent necessary and supplemental to documentation prepared by an <b>agreement holder</b>,<ul style="list-style-type: none"><li>(a) <b>document</b> in a <b>project plan</b><ul style="list-style-type: none"><li>(i) new <b>assessments</b> undertaken,</li><li>(ii) new <b>measures</b> prescribed,</li><li>(iii) the responsibilities of <b>agreement holders</b> under this sub-section of the FSP;</li></ul>and</li><li>(b) provide the updated <b>project plan</b> to the <b>agreement holder</b>.</li></ul></li></ul>
<p style="text-align: center;">RESPONSIBILITIES OF AGREEMENT HOLDERS</p> <p>(3) An <b>agreement holder</b> shall, when conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"><li>(1) carry out <b>primary forest activities</b> consistent with the <b>project plan</b>.</li><li>(2) where <b>measures</b> have been <b>documented</b> within a <b>project plan</b>, conduct <b>primary forest activities</b> and other activities in accordance with the <b>measures</b>, to ensure the <b>results</b> and <b>strategies</b> under this sub-section of the FSP will be achieved.</li></ul>

(3) where an **excavated or bladed trail** or road that was not previously identified in a **project plan** is proposed on a slope exceeding 60%, only carry out the **excavated or bladed trail** construction or **road construction** after,

(a) undertaking a *terrain stability overview assessment*,

(b) where the *terrain stability overview assessment* identifies

(i) slopes exceeding 60%, and/or

(ii) a **FRPA value**, a *high value element* or *soil conservation* is at risk,

prescribing **measures** to limit or prohibit **primary forest activities** (e.g. limitations to **harvest** methods, prohibitions to **excavated or bladed trail** construction or **road construction**), where and to the extent necessary to mitigate the risk,

(c) **documenting** the **assessments** undertaken and **measures** prescribed, and

(d) informing the **TSM** of the change to the **project plan**.

#### SUB-SECTION SPECIFIC DEFINITIONS

*“high value element”* means a human high-use area or transportation corridor, major utility corridor, consumptive use water source, immediate or downstream high value fish habitat, or other value as determined by a **qualified professional**.

*“terrain stability overview assessment”* means an **assessment** that

(A) applies the contemporary *TKO Terrain Stability Management Model* (Model) to acquire, complete, update or provide an addendum to a terrain assessment, or prescribe best management practices, as directed by the Model, and

(B) is inclusive of any previously completed **assessments** and any subsequently required **assessments** (e.g. decision and documentation tool, office or field based site reviews, TSA reports).

*“soil conservation”* means the prevention of soil degradation (including compaction, puddling, displacement, surface erosion and/or mass wasting) caused by soil disturbance, as determined from a **soil hazard assessment** evaluating site sensitivity to soil degrading processes.

*“TKO terrain stability management model”* means the contemporary procedure developed by the B.C. Timber Sales Kootenay Business Area to comply with the requirements of the **professional practice guidelines**, as amended from time to time.

(The remainder of this page is purposefully blank.)

## 6.1.3 Road Maintenance

### RESULTS AND STRATEGIES

#### RESPONSIBILITIES OF THE TSM

(1) The **TSM** shall, prior to authorizing an **agreement holder** to conduct **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) identify roads for which an **agreement holder** will be assigned *road maintenance responsibility*.

(2) where an **agreement holder** is assigned *road maintenance responsibility* for a road, oblige an **agreement holder** to prepare a *road maintenance plan*.

(3) **document** in a **project plan**

(a) roads for which an **agreement holder** has been assigned *road maintenance responsibility*,

(b) obligations of an **agreement holder** to prepare a *road maintenance plan*, and

(c) responsibilities of **agreement holders** under this sub-section of the FSP.

(4) provide the **project plan** to an **agreement holder**.

(2) The **TSM** may, when an agreement holder is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) exempt an **agreement holder** from the requirement of a **result** or **strategy** under this sub-section of the FSP.

(3) The **TSM** shall, where the **TSM** has exempted an **agreement holder** from the requirement of a **result** or **strategy** under this sub-section of the FSP:

(1) **document** the exemption in a **project plan**.

(2) provide the updated **project plan** to the **agreement holder**.

#### RESPONSIBILITIES OF AGREEMENT HOLDERS

(4) An **agreement holder** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) carry out **primary forest activities** consistent with the **project plan**.

(2) where an **agreement holder** has been assigned *road maintenance responsibility* for a road,

(a) prepare a *road maintenance plan*, and

(b) carry out the *road maintenance plan*.

#### SUB-SECTION SPECIFIC DEFINITIONS

“*road maintenance plan*” means, separate from any requirements under FPPR Sec. 79 (road maintenance), **measures** determined by a **qualified professional** for

- (A) *routine road maintenance*, and
- (B) *supplementary road maintenance*.

*“road maintenance responsibilities”* means, for any road which provides industrial access to one or more of the **agreement holder’s** contracts or agreements, unless such road has been made the responsibility of another industrial user to maintain by the District Manager, designated obligations with respect to

- (A) FPPR Sec. 79 (road maintenance),
- (B) *routine road maintenance*, and
- (C) *supplementary road maintenance*.

*“routine road maintenance”* means to

- (A) protect the structural integrity of the **road prism**, road subgrade and clearing widths,
- (B) maintain the functionality of the existing road surface and slope drainage systems (including ditches, culverts, road crowning, in-sloping and out-sloping),
- (C) prevent water pooling on the existing road surface,
- (D) prevent the erosion of surfacing materials, and
- (E) direct road surface drainage to stable slopes.

*“supplementary road maintenance”* means to

- (A) install back-up cross ditches at culvert locations,
- (B) install surface waterbars between culvert locations, and
- (C) carry out these activities
  - (I) upon completion of industrial use, and/or
  - (II) during periods of non-industrial use, and/or
  - (III) when precipitation is occurring in an amount causing erosion of surface material.

(The remainder of this page is purposefully blank.)

## 6.1.4 Road Deactivation

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"><li>(1) identify roads for which an <b>agreement holder</b> will be assigned <i>road deactivation responsibility</i>.</li><li>(2) where an <b>agreement holder</b> is assigned <i>road deactivation responsibility</i> for a road, oblige an <b>agreement holder</b> to:<ul style="list-style-type: none"><li>(a) prepare a <i>road deactivation plan</i>, and</li><li>(b) complete a <i>QRP statement of road deactivation conformance</i>.</li></ul></li><li>(3) <b>document</b> in a <b>project plan</b><ul style="list-style-type: none"><li>(a) roads for which an <b>agreement holder</b> has been assigned <i>road deactivation responsibility</i>,</li><li>(b) obligations of an <b>agreement holder</b> to<ul style="list-style-type: none"><li>(i) prepare <i>road deactivation plan</i>, and</li><li>(ii) complete <i>QRP statement of road deactivation conformance</i>; and</li></ul></li><li>(c) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</li></ul></li><li>(4) provide the <b>project plan</b> to an <b>agreement holder</b>.</li></ul> <p>(2) The <b>TSM</b> may, when an agreement holder is conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"><li>(1) exempt an <b>agreement holder</b> from the requirement of a <b>result</b> or <b>strategy</b> under this sub-section of the FSP.</li><li>(2) request from an <b>agreement holder</b> a <i>QRP statement of road deactivation conformance</i>.</li></ul> <p>(3) The TSM shall, where the <b>TSM</b> has exempted an <b>agreement holder</b> from the requirement of a <b>result</b> or <b>strategy</b> under this sub-section of the FSP:</p> <ul style="list-style-type: none"><li>(1) <b>document</b> the exemption in a <b>project plan</b>.</li><li>(2) provide the updated <b>project plan</b> to the <b>agreement holder</b>.</li></ul>
<p style="text-align: center;">RESPONSIBILITIES OF AGREEMENT HOLDERS</p> <p>(4) An <b>agreement holder</b> will, when conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"><li>(1) carry out <b>primary forest activities</b> consistent with the <b>project plan</b>.</li><li>(2) where an <b>agreement holder</b> has been assigned <i>road deactivation responsibility</i> for a road,<ul style="list-style-type: none"><li>(a) prepare a <i>road deactivation plan</i>,</li><li>(b) carry out the <i>road deactivation plan</i>, and</li></ul></li></ul>

(c) complete a *QRP statement of road deactivation conformance* upon completion of the *road deactivation plan*.

(3) where requested by the **TSM**, provide a copy of the *QRP statement of road deactivation conformance* to the **TSM**.

#### SUB-SECTION SPECIFIC DEFINITIONS

*“QRP statement of road deactivation conformance”* means the contemporary MFLNRORD FS1365 form or replacement.

*“road deactivation plan”* has the same meaning as defined and discussed within the **professional practice guidelines** (at time of FSP approval, meaning specifically the Guidelines for Professional Services in the Forest Sector – Forest Roads, ABCFP & APEGBC 2012).

*“road deactivation responsibilities”* means designated obligations with respect to FPPR Sec. 82 (road deactivation) for any specific road identified by the **TSM** which provides industrial access to one or more of the **agreement holder’s** contracts or agreements.

(The remainder of this page is purposefully blank.)

## 6.2 Old and Mature Forest

OBJECTIVES	
Applicable <i>objectives</i> :	<ul style="list-style-type: none"> <li>• <a href="#">KBHLPO</a> Objective 1 Biodiversity Emphasis</li> <li>• <a href="#">KBHLPO</a> Objective 2 Old and Mature Forest</li> <li>• <a href="#">KBHLPO</a> Objective 5 Grizzly Bear Habitat and Connectivity Corridors</li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• None</li> </ul>

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) not plan <b>primary forest activities</b>, except for a <b>minor incursion</b> or a <i>fire maintained ecosystem prescription</i>, within</p> <p style="padding-left: 80px;">(a) an <b>old growth management area (OGMA)</b>, or</p> <p style="padding-left: 80px;">(b) an <b>ancient forest</b>.</p> <p style="padding-left: 40px;">(2) where a <b>minor incursion</b> is planned within an <b>OGMA</b>,</p> <p style="padding-left: 80px;">(a) undertake a <i>replacement assessment</i>, and</p> <p style="padding-left: 80px;">(b) <i>track and share information</i>.</p> <p style="padding-left: 40px;">(3) where a <i>fire maintained ecosystem prescription</i> is planned within an <b>OGMA</b>,</p> <p style="padding-left: 80px;">(a) undertake a <i>fire maintained ecosystem assessment</i>,</p> <p style="padding-left: 80px;">(b) apply to the District Manager for the approval of a FSP amendment that specifies site-specific alternate or modified <b>results</b> and/or <b>strategies</b> consistent with FPPR Sec. 25.1, including with the application the <i>fire maintained ecosystem assessment</i>, and</p> <p style="padding-left: 80px;">(c) proceed with a <i>fire maintained ecosystem prescription</i> only after obtaining District Manager’s approval of the FSP amendment.</p> <p style="padding-left: 40px;">(4) undertake an <i>old and mature assessment</i> to plan <b>primary forest activities</b> to be consistent with KBHLPO Objective 2.</p> <p style="padding-left: 40px;">(5) <b>document</b> in a <b>project plan</b></p> <p style="padding-left: 80px;">(a) <b>assessments</b> undertaken, and</p> <p style="padding-left: 80px;">(b) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</p> <p style="padding-left: 40px;">(6) provide the <b>project plan</b> to an <b>agreement holder</b>.</p> <hr/> <p style="text-align: center;">RESPONSIBILITIES OF AGREEMENT HOLDERS</p> <p>(2) An <b>agreement holder</b> shall, when conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) carry out <b>primary forest activities</b> consistent with the <b>project plan</b>.</p>

## SUB-SECTION SPECIFIC DEFINITIONS

*“biodiversity tables”* means either

- (A) contemporary shared HLPO Reporting Suite (i.e. “Selkirk tables”) wherever applicable, or
- (B) BCTS developed tables, wherever the shared HLPO Reporting Suite is not applicable.

*“deficit”* means a shortfall relative to an *old forest target* under KBHLPO Objective 2.

*“fire maintained ecosystem assessment”* means an **assessment** describing how planned **primary forest activities** will be consistent with the *fire maintained ecosystem prescription* definition.

*“fire maintained ecosystem prescription”* means **primary forest activities**

- (A) located within the Rocky Mountain FDU,
- (B) developed under the Rocky Mountain Trench Ecosystem Restoration Program, and
- (C) aligning with the intent of the KBHLPO Objective 8 Fire-Maintained Ecosystems, despite Map 8.1 not being available.

*“old and mature assessment”* means an **assessment** that

- (A) adopts **OGMAs** as surrogates to aspatial *old forest targets*,
- (B) adopts the entire area of crown forest land base contained within an **OGMA** as **old forest**, irrespective of actual stand age,
- (C) identifies the applicable *biodiversity tables* used to meet KBHLPO Objective 2, and
- (D) where a *deficit* is identified in the *biodiversity tables*, requires a subsequent *recruitment assessment* to be undertaken.

*“old forest target”* means a level of ‘old forest’ or ‘old and mature forest’ specified under KBHLPO Objective 2.

*“recruitment assessment”* means an **assessment** that is consistent with

- (A) the *biodiversity tables*, and
- (B) the requirements of KBHLPO Objective 2 (5) including the factors identified in footnote k, which includes a preference in meeting aspatial targets using *old forest* located within in a ‘connectivity corridor’ and/or an **ancient forest**.

*“replacement area”* mean an area substituted for an existing **OGMA**, as identified through a *replacement assessment*, that

- (A) is at least the same area as the **minor incursion**,
- (B) complies with the requirements of Objective 2 (5) of the KBHLPO, including the factors identified in footnote k,
- (C) prioritizes over other suitable replacement candidates, either
  - (I) **ancient forests**, and/or
  - (II) other valuable or at risk ecosystems, as identified by a **qualified professional**;
- (D) is within the same **landscape unit/BEC zone combination** as the **minor incursion**,



- (E) where the area is less than 2.0 hectares, is attached to an existing **OGMA**,
- (F) where the area is greater than or equal to 2.0 hectares, is either attached to an existing **OGMA** or a new stand alone **OGMA**, and
- (G) aligns with any other applicable official guidance provided by the District Manager, Regional Executive Director, or the Chief forester.

*“replacement assessment”* means an **assessment** that

- (A) considers the impact on the remaining **OGMA**,
- (B) where a **minor incursion** within an **OGMA** is greater than or equal to 0.25 hectares, identifies one or more *replacement areas*, and
- (C) maps the **minor incursion** and *replacement areas*.

*“track and share information”* means to

- (A) record a **minor incursion** and a *replacement area* in the **OGMA** layer of the BCTS GIS Data Library,
- (B) update *biodiversity tables*, and
- (C) communicate **minor incursions** and *replacement areas* to MFLNRORD
  - (I) in compliance with official reporting requirements established by MFLNRORD, and
  - (II) upon request.

(The remainder of this page is purposefully blank.)

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

OBJECTIVES	
Applicable <b>objectives</b> :	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 8 Objectives set by government for water, fish, wildlife and biodiversity within riparian areas</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 12.1(6) Exemptions — when undertaking given for compliance with specified regulations</a></li> <li>• <a href="#">FPPR Sec. 12(3) Specifying results or strategies</a></li> </ul>

RESULTS AND STRATEGIES
RESPONSIBILITIES OF THE TSM
<p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p>(1) plan <b>primary forest activities</b> to be consistent with FPPR Sec. 47 to 49 (riparian classes), 50, 51, and 52(2) (restrictions in riparian areas) and 53 (temperature sensitive streams).</p> <p>(2) where a <b>riparian management zone (RMZ)</b> is located within a cutblock:</p> <p style="margin-left: 40px;">(a) undertake a <i>riparian management zone assessment</i>,</p> <p style="margin-left: 40px;">(b) prescribe <i>RMZ tree retention</i>, and</p> <p style="margin-left: 40px;">(c) establish a minimum 5 metre machine-free zone along both sides of <b>streams</b> where ground-based equipment will operate, with the exception of <b>stream</b> crossing trails, where <b>practicable</b>.</p> <p>(3) prescribe the following default <b>measures</b> for conducting <b>primary forest activities</b> near <b>streams</b>:</p> <p style="margin-left: 40px;">(a) <i>removal of timber harvesting</i> debris from <b>stream</b> channels,</p> <p style="margin-left: 40px;">(b) <i>effective management</i> of designated crossing trails on <b>streams</b>, and</p> <p style="margin-left: 40px;">(c) falling, yarding and skidding away from <b>streams</b>, where <b>practicable</b>.</p> <p>(4) <b>document</b> in a <b>project plan</b></p> <p style="margin-left: 40px;">(a) <b>assessments</b> undertaken,</p> <p style="margin-left: 40px;">(b) <i>RMZ tree retention</i> prescribed,</p> <p style="margin-left: 40px;">(c) machine-free zones established,</p> <p style="margin-left: 40px;">(d) <b>measures</b> prescribed, and</p> <p style="margin-left: 40px;">(e) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</p> <p>(5) provide the <b>project plan</b> to an <b>agreement holder</b>.</p>
RESPONSIBILITIES OF AGREEMENT HOLDERS

(2) An **agreement holder** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) carry out **primary forest activities** consistent with the **project plan**.

(2) where **measures** have been **documented** within a **project plan**, carry out **primary forest activities** and other activities in accordance with the **measures**, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.

(3) carry out **primary forest activities** consistent with FPPR Sec. 47 to 49 (riparian classes), 50, 51, and 52(2) (restrictions in riparian areas) and 53 (temperature sensitive streams).

#### SUB-SECTION SPECIFIC DEFINITIONS

“*riparian management zone (RMZ) assessment*” means an **assessment** of a **riparian management zone**, with the goal of determining and prescribing the appropriate number, distribution, species, size(s) and characteristics of RMZ tree retention, which considers factors such as:

(A) **safety hazards**,

(B) windthrow risk, based on tree, stand, soil and topographic characteristics, prevailing winds, and options available to reduce risk,

(C) **stream** channel integrity, **stream** bank stability and potential for erosion and sediment delivery to **streams**,

(D) forest health factors,

(E) fish and wildlife habitat,

(F) water quality,

(G) **licensed domestic water users** and intake locations,

(H) presence of standing live or dead trees with wildlife habitat value,

(I) retention of understory vegetation and non-merchantable trees,

(J) shade requirements for **streams**,

(K) vegetation management and post-harvest **silviculture treatments**,

(L) coarse woody debris requirements,

(M) hydrological and terrain stability concerns and/or recommendations from related **assessments**,

(N) visual quality,

(O) range use,

(P) timber objectives and **operational constraints**,

(Q) results from relevant Forest & Range Evaluation Program (FREP) **stream** monitoring gathered from BCTS TSLs in the Kootenay Business Area, where available, and

(R) considering subsequent **measures** identified by a **qualified professional** to prevent or mitigate unavoidable material adverse impacts to **stream** channels and to the **RRZ**.

“*RMZ tree retention*” means a level of standing tree retention prescribed within a RMZ, based upon the results of a *RMZ assessment*, and consistent with

(A) the table below, or

Riparian Class	% of the Pre-Harvest Merchantable Stems Per Hectare to be Retained
S1-A stream	20-100%
S1-B stream	10-100%
S2 stream	10-100%
S3 stream	10-100%
S4 stream	10-100%
S5 stream	10-100%
S6 stream	>0-100%
All classes of <b>wetlands</b> or lakes	10-100%

(B) where a **qualified professional** determines through a *RMZ assessment* that a different level of retention is necessary to prevent or mitigate an unavoidable material adverse impact to a **stream** channel or **RRZ**, the level of retention prescribed by the **qualified professional**.

“*removal*” means

(A) extracting introduced debris (tree stems, branches, and other woody debris) greater than 1 metre in length, and shorter lengths if accumulated together, from **stream** channels, where ‘channel’ means the maximum wetted perimeter or area between the **stream** banks, whichever is greater;

(B) placing introduced debris where it will not re-enter the **stream** as a result of downslope movement or **stream** peak flows;

(C) retaining pre-harvest embedded or natural woody debris;

(D) where **stream** banks, natural woody debris or riparian vegetation will suffer a material adverse effect, machinery will not be used to remove harvest debris; and

(E) completing the above concurrent with **primary forest activities**, meaning prior to spring freshet.

“*effective management*” means

(A) installing **stream** crossing trails perpendicular to the **stream** channel and prioritizing a location having a narrow width, a straight section (not meandering or braided) and solid, stable **stream** banks, **stream** bed and approaches;

(B) using structures and/or materials that will not obstruct **stream** flow (if present) and placement techniques (e.g., lifting into place) that will avoid destabilizing **stream** banks or channel bed;

(C) installing sediment and erosion control measures, as appropriate, before starting work;

(D) avoiding or minimizing exposed channel crossing by equipment (e.g. one time, tracked machine only);

(E) implementing deactivation practices that maintain **stream** bank stability, avoid channel, bank and adjacent **soil disturbance**, re-stabilize exposed soils, re-establish natural drainage, and removing introduced debris and foreign materials; and

(F) removing stream crossing structures as soon as their use is no longer required.

(The remainder of this page is purposefully blank.)

## 6.4 Wildlife and Biodiversity — Landscape Level

OBJECTIVES	
Applicable <i>objectives</i> :	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 9 Objectives set by government for wildlife and biodiversity — landscape level</a></li> <li>• <a href="#">KBHLPO Objective 4 Green-up</a></li> <li>• <a href="#">KBHLPO Objective 7 Enhanced Resource Development Zones – Timber</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 12.1(7) FPPR Exemptions — when undertaking given for compliance with specified regulations</a></li> <li>• <a href="#">FPPR Sec. 12(4) to 12(6) Specifying results or strategies</a></li> </ul>

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) plan <b>primary forest activities</b> to be consistent with FPPR Sec. 64 (maximum cutblock size) and 65 (harvesting adjacent to another cutblock) except that the height requirement in Sec. 65(3)(a) and 65(3)(b)(ii) is reduced from 3 metres to 2.5 metres.</p> <p style="padding-left: 40px;">(2) where a cutblock is planned to be consistent with FPPR Sec. 64(2)(a)(ii), undertake a <i>cutblock size assessment</i>.</p> <p style="padding-left: 40px;">(3) <b>document</b> in a <b>project plan</b></p> <p style="padding-left: 80px;">(a) <b>assessments</b> undertaken,</p> <p style="padding-left: 80px;">(b) <b>measures</b> prescribed, and</p> <p style="padding-left: 80px;">(c) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</p> <p style="padding-left: 40px;">(4) provide the <b>project plan</b> to an <b>agreement holder</b>.</p> <hr/> <p style="text-align: center;">RESPONSIBILITIES OF AGREEMENT HOLDERS</p> <p>(2) An <b>agreement holder</b> shall, when conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) carry out <b>primary forest activities</b> consistent with the <b>project plan</b>.</p> <p style="padding-left: 40px;">(2) carry out <b>primary forest activities</b> to be consistent with FPPR Sec. 64 (maximum cutblock size) and 65 (harvesting adjacent to another cutblock) except that the height requirement in Sec. 65(3)(a) and 65(3)(b)(ii) is reduced from 3 metres to 2.5 metres.</p>

SUB-SECTION SPECIFIC DEFINITIONS

“*cutblock size assessment*” means an **assessment** that

(A) describes how the cutblock will be consistent with the structural characteristics and the temporal and spatial distribution of an opening that would result from a natural disturbance within the applicable **landscape unit/BEC zone combination**, and

(B) where the applicable **landscape unit/BEC zone combination** is shared with another **forest licensee**, the **TSM** will offer to **collaborate** with the **forest licensee** to ensure that the applicable **objectives** will be achieved.

(The remainder of this page is purposefully blank.)

## 6.5 Wildlife and Biodiversity — Stand Level

OBJECTIVES	
Applicable <i>objectives</i> :	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 9.1 Objectives set by government for wildlife and biodiversity — stand level</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 12.5(3) Conditional exemption — section 66</a></li> <li>• <a href="#">FPPR Sec. 12.5(4) Conditional exemption — section 67</a></li> <li>• <a href="#">FPPR Sec. 66 Wildlife tree retention</a></li> <li>• <a href="#">FPPR Sec. 67 Restriction on harvesting</a></li> </ul>

RESULTS AND STRATEGIES
RESPONSIBILITIES OF THE TSM
<p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p>(1) undertake a <i>wildlife tree retention assessment</i> to develop a prescription for <b>wildlife tree retention</b> where</p> <p style="padding-left: 40px;">(a) a minimum of 3.5% of the total cutblock area of any individual cutblock will be retained as <b>wildlife trees</b> in <b>wildlife tree retention area (WTRA)</b> and/or as <i>dispersed wildlife tree retention</i>,</p> <p style="padding-left: 40px;">(b) a minimum of 7.0% of the total cutblock area in a <b>timber sale licence (TSL)</b> will be retained as <b>wildlife trees</b> in <b>WTRA</b> and/or as <i>dispersed wildlife tree retention</i>, and</p> <p style="padding-left: 40px;">(c) <b>wildlife tree</b> retention percentages will be calculated following the conventions specified in the TKO WTRA Practices Document, based on recognized calculation methods assembled by a <b>qualified professional</b>.</p> <p>(2) not plan <b>primary forest activities</b> within a <b>WTRA</b> or wildlife tree patch (WTP), except</p> <p style="padding-left: 40px;">(a) where the trees on the <b>net area to be reforested</b> of the cutblock to which the <b>WTRA</b> or WTP relates have developed attributes consistent with a mature seral condition, or</p> <p style="padding-left: 40px;">(b) for a <b>minor incursion</b>.</p> <p>(3) where a <b>minor incursion</b> is planned within a <b>WTRA</b> or WTP,</p> <p style="padding-left: 40px;">(a) undertake a <i>replacement assessment</i>, and</p> <p style="padding-left: 40px;">(b) <i>track and share information</i>.</p> <p>(4) <b>document</b> in a <b>project plan</b></p> <p style="padding-left: 40px;">(a) <b>assessments</b> undertaken,</p> <p style="padding-left: 40px;">(b) <b>wildlife tree</b> retention prescribed, and</p> <p style="padding-left: 40px;">(c) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</p> <p>(5) provide the <b>project plan</b> to an <b>agreement holder</b>.</p>



(2) The **TSM** shall, when an agreement holder is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) where the TSM is informed by an **agreement holder** of a change to a **project plan** to incorporate a **minor incursion** within a **WTRA** that was not previously identified in a **project plan**, to the extent necessary and supplemental to documentation prepared by the **agreement holder**

(a) document in a **project plan**

(i) new **assessments** undertaken by the **agreement holder**, and

(ii) new **wildlife tree** retention prescribed by the **agreement holder**; and

(b) provide the updated **project plan** to the agreement holder.

#### RESPONSIBILITIES OF AGREEMENT HOLDERS

(3) An **agreement holder** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) carry out **primary forest activities** consistent with the **project plan**.

(2) where a **minor incursion** that was not previously identified in a **project plan** is proposed within a **WTRA**, only carry out the **minor incursion** after

(a) undertaking a **replacement assessment**,

(b) providing the **replacement assessment** to the **TSM**,

(c) receiving written confirmation from the **TSM** that the original **WTRA** boundary and/or location is not required to protect or manage a **FRPA value**, accommodate a stakeholder commitment or for another resource management purpose,

(d) documenting in a **project plan**

(i) **assessments** undertaken, and

(ii) **wildlife tree** retention prescribed; and

(e) informing the **TSM** of the change to the **project plan**.

#### SUB-SECTION SPECIFIC DEFINITIONS

*“dispersed wildlife tree retention”* means an area of individual trees, clumps or patches which are less than 0.25 hectares in size, where contributions to **wildlife tree** retention may be calculated on the basis of the total basal area of the trees retained divided by the average basal area of the associated forest type.

*“minimum percent required”* means either

(A) the minimum percent specified under this FSP, or

(B) the minimum percent specified by a former FSP that applied to the **WTRA**, or

(C) the minimum percent in WTPs as prescribed in a Site Plan or Silviculture Prescription under the Forest Practices Code.

*“replacement area”* means an area substituted for an existing **WTRA** or **WTP**, as identified through a *replacement assessment*, that

- (A) is at least the same size as the **minor incursion**,
- (B) prioritizes over other suitable replacement candidates, either
  - (I) **ancient forests**,
  - (II) **old forest**, and/or
  - (III) other valuable or at risk ecosystems, as identified by a **qualified professional**;
- (C) considers the factors identified in Appendix 6.5 ‘Wildlife Tree Retention: Management Guidance’ (Wildlife Tree Committee 2006), and
- (D) is consistent with other applicable official guidance provided by the District Manager, Regional Executive Director, or the Chief forester.

*“replacement assessment”* means an **assessment** that

- (A) considers the impact on the remaining **WTRA** or **WTP**,
- (B) where a **minor incursion** within an **WTRA** or **WTP** is
  - (I)  $\geq 0.25$  hectares, and
  - (II) the total area that remains in **WTRA** or **WTP** following the **minor incursion** is less than the *minimum percent required*,identifies a *replacement area*; and
- (C) maps the **minor incursion** and, where required under (B), a *replacement area*.

*“track and share information”* means to

- (A) record a **minor incursion** and a *replacement area* in the **WTRA** or **WTP** layer of the BCTS GIS Data Library, and
- (B) communicate **minor incursions** and *replacement areas* to MFLNRORD
  - (I) in compliance with official reporting requirements established by MFLNRORD, and
  - (II) upon request.

*“wildlife tree retention assessment”* means an **assessment** that

- (A) considers
  - (I) the factors identified in Appendix 6.5 , ‘Wildlife Tree Retention: Management Guidance’ (Wildlife Tree Committee 2006),
  - (II) how the wildlife tree retention established exhibits good forest stewardship at the **WTRA**, cutblock, TSL and landscape levels, and
  - (III) why the total percent retained is appropriate to the circumstances; and
- (B) where the **primary forest activities** are within the BEC Zones of IDF or MS, prescribes *supplementary coarse woody debris retention* within the **net area to be reforested**.

*“supplementary coarse woody debris retention”* means retaining a level of coarse woody debris where

- (A) total volume will be minimum of 1.24 cubic metres per hectare,
- (B) piece size will be a minimum 4 logs per hectare, where each log has
  - (I) a minimum diameter of 20 centimetres at one end, and

(II) each log has a minimum length of

- (1) 5 metres, where *practicable*, otherwise
- (2) 2 metres;

(C) dead and dry material will be preferentially retained over green material, as *practicable*,

(D) material from other species will be preferentially retained over material from Douglas-fir and spruce, as *practicable*,

(E) Douglas-fir and spruce stump heights will be left as low to the ground, as *practicable*, and

(F) the coarse woody debris retained may also contribute to the requirements of FPPR Sec. 68 (coarse woody debris).

(The remainder of this page is purposefully blank.)

## 6.6 Wildlife

OBJECTIVES	
Applicable <i>objectives</i> :	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 7 Objectives set by government for wildlife</a></li> <li>• <a href="#">KBHLPO Objective 5 Grizzly Bear</a></li> </ul>
Additional Legal References:	<ul style="list-style-type: none"> <li>• <a href="#">GAR Sec. 9 General wildlife measures</a></li> <li>• <a href="#">GAR Sec. 10 Wildlife habitat area and objectives</a></li> <li>• <a href="#">GAR Sec. 11 Wildlife habitat features</a></li> <li>• <a href="#">GAR Sec. 12 Ungulate winter ranges and objectives</a></li> <li>• <a href="#">GAR Sec. 13 Species at risk, regionally important wildlife and ungulate species</a></li> </ul>

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, throughout the term of this FSP:</p> <ol style="list-style-type: none"> <li>(1) develop <i>wildlife awareness training</i> and a <i>wildlife chance find information package</i> for               <ol style="list-style-type: none"> <li>(a) <i>species at risk (SAR)</i>, and</li> <li>(b) <i>wildlife habitat features (WHFs)</i>.</li> </ol> </li> <li>(2) <b>deliver</b> and <b>record</b> the provision of <i>wildlife awareness training</i> to BCTS Staff.</li> <li>(3) provide a <i>wildlife chance find information package</i> to <b>contractors</b>.</li> <li>(4) where a <i>SAR</i> or <i>WHF</i> is identified in the field, <i>report</i> the <i>SAR</i> or <i>WHF</i>.</li> </ol> <p>(2) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ol style="list-style-type: none"> <li>(1) undertake a <i>wildlife assessment</i> to plan <b>primary forest activities</b> to be consistent with the applicable requirements for               <ol style="list-style-type: none"> <li>(a) <i>SAR</i>, and</li> <li>(b) GAR Sec. 9 to 13 Orders.</li> </ol> </li> <li>(2) where a <i>SAR</i> or a <i>WHF</i> is identified in the field during the course of regular forestry field activities, incorporate the <i>SAR</i> or the <i>WHF</i> into a <i>wildlife assessment</i>.</li> <li>(3) where a <i>wildlife assessment</i> identifies <b>measures</b> necessary to               <ol style="list-style-type: none"> <li>(a) protect a <i>SAR</i>,</li> <li>(b) conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas for the survival of a <i>SAR</i>, and/or</li> <li>(c) not damage or render ineffective a <i>WHF</i>,</li> </ol>               prescribe the <b>measures</b> identified in the <i>wildlife assessment</i>.             </li> <li>(4) <b>document</b> in a <b>project plan</b> <ol style="list-style-type: none"> <li>(a) <b>assessments</b> undertaken,</li> </ol> </li> </ol>

- (b) **measures** prescribed,
- (c) responsibilities of **agreement holders** under this sub-section of the FSP.

(5) provide the **project plan** to an **agreement holder**.

(6) provide a *wildlife chance find information package* to an **agreement holder**.

(3) The **TSM** shall, when an agreement holder is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) where the **TSM** is informed by an **agreement holder** that a **SAR** or **WHF** that was not previously identified in a **project plan** was identified in the field by the **agreement holder** during the course of normal **primary forest activities**, to the extent necessary and supplemental to documentation prepared by the **agreement holder**,

(a) **document** in a project plan

- (i) new **assessments** undertaken by the **agreement holder**,
- (ii) new **measures** prescribed by the **agreement holder**,
- (iii) new responsibilities of **agreement holders** under this sub-section of the FSP; and

(b) provide the updated **project plan** to the **agreement holder**.

---

#### RESPONSIBILITIES OF AGREEMENT HOLDERS

(4) An **agreement holder** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) carry out **primary forest activities** consistent with the **project plan**.

(2) where **measures** have been **documented** in a **project plan**, carry out **primary forest activities** and other activities in accordance with the **measures**, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.

(3) where a **SAR** or **WHF** that was not previously identified in a **project plan** is identified in the field during the course of normal **primary forest activities**, proceed with **primary forest activities** only after

(a) stopping work to the degree necessary to protect the **SAR** or **WHF** (following the *wildlife chance find information package*),

(b) incorporating the **SAR** or **WHF** into a *wildlife assessment*,

(c) where a *wildlife assessment* identifies **measures** necessary to

- (i) protect a **SAR**,
- (ii) conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas for the survival of a **SAR**, and/or
- (iii) not damage or render ineffective a **WHF**

prescribe the **measures** identified in the *wildlife assessment*.

(d) informing the **TSM** of the change to the **project plan**.

## SUB-SECTION SPECIFIC DEFINITIONS

*“existing management strategies and measures”* means those management strategies and measures identified in guidance documents such as:

- (A) the Ministry of Environment ‘Accounts and Measures for Managing Identified Wildlife’ guides,
- (B) BCTS ‘Species of Management Concern General Guidance’,
- (C) BCTS ‘Species Of Management Concern in the Kootenay Business Area’ (or successor documents), and
- (D) existing reports prepared by **qualified professionals**.

*“report”* means to follow the *wildlife awareness training* to provide SAR or WHF information to MFLNRORD

- (A) in compliance with official reporting requirements established by MFLNRORD, and
- (B) upon request.

*“species at risk”* means a wildlife species which has been designated as a species at risk in an order under GAR Sec. 11 or 13.

*“ungulate winter range”* means an ungulate winter range established under GAR Sec. 12.

*“wildlife assessment”* means an **assessment** that

- (A) follows the contemporary *wildlife awareness training* or *wildlife chance find information package*,
- (B) identifies known SAR and WHF observations within 2 kilometers of a cutblock or road
  - (I) by querying the BC Conservation Data Centre database, and
  - (II) where a SAR or WHF is identified in the field during the course of
    - (1) normal forestry field work, and/or
    - (2) normal **primary forest activities**.
- (C) where a cutblock or road is within the 2 kilometers of a SAR observation, follows *existing management strategies and measures* to identify, where necessary and to the extent required depending on the SAR
  - (I) **measures** to protect the SAR, and
  - (II) where applicable under a FPPR Sec. 7(2) notice, **measures** to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas for the survival of the SAR;
- (D) where a cutblock or road is within 2 kilometres of a WHF observation, identifies **measures**, where necessary and to the extent required depending on the WHF, to ensure that **primary forest activities** do not damage or render ineffective the WHF,
- (E) identifies a *wildlife habitat area (WHA)* and *ungulate winter range (UWR)* within or adjacent to a cutblock or road by querying the applicable layer of the BCTS GIS Data Library,
- (F) where a cutblock or road is within a WHA, identifies **measures** to be consistent with the general wildlife measures specified in the applicable GAR Order, and

(G) where a cutblock or road is within an *UWR*

(I) identifies **measures** to be consistent with the general wildlife measures specified in the applicable GAR Order, and

(II) where the *UWR* is shared with another **forest licensee**, the **TSM** will offer to **collaborate** with the **forest licensee** to ensure that the applicable **objectives** will be achieved.

*“wildlife awareness training”* means guidance related to the identification, habitat management strategies and reporting requirements for *SAR* and *WHFs*, that is prepared and maintained by a **qualified professional**.

*“wildlife chance find information package”* means summary guidance for **contractors** and **agreement holders**, based on the *wildlife awareness training*.

(The remainder of this page is purposefully blank.)

## 6.7 Fish Habitat in Fisheries Sensitive Watersheds

OBJECTIVES	
Applicable <b>objectives</b> :	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 8.1 Objectives set by government for fish habitat in fisheries sensitive watersheds</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">GAR Sec. 14 Fisheries sensitive watersheds and objectives</a></li> <li>• <a href="#">FPPR Sec. 55 Stream crossings</a></li> <li>• <a href="#">FPPR Sec. 56 Fish passage</a></li> <li>• <a href="#">FPPR Sec. 57 Protection of fish and fish habitat</a></li> </ul>

RESULTS AND STRATEGIES
RESPONSIBILITIES OF THE TSM
<p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies and where the <b>primary forest activities</b> are within a <i>fisheries sensitive watershed</i>, for the area associated with that cutblock or road:</p> <p>(1) plan <b>primary forest activities</b> to be consistent with FPPR Sec. 55 (stream crossings), 56 (fish passage) and 57 (protection of fish and fish habitat).</p> <p>(2) undertake a <i>fisheries sensitive watershed assessment</i> to plan <b>primary forest activities</b> to be consistent with the <b>objectives</b> established under GAR Sec. 14(2).</p> <p>(3) where a <i>fisheries sensitive watershed assessment</i> identifies <b>measures</b> necessary to ensure that the <b>objectives</b> established under GAR Sec. 14(2) for the <i>fisheries sensitive watershed</i> will be achieved, prescribe the <b>measures</b> identified in the <i>fisheries sensitive watershed assessment</i>.</p> <p>(4) <b>document</b> in a <b>project plan</b></p> <p style="padding-left: 40px;">(a) <b>assessments</b> undertaken,</p> <p style="padding-left: 40px;">(b) <b>measures</b> prescribed,</p> <p style="padding-left: 40px;">(c) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</p> <p>(5) provide the <b>project plan</b> to an <b>agreement holder</b>.</p>
RESPONSIBILITIES OF AGREEMENT HOLDERS
<p>(2) An <b>agreement holder</b> shall, when conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies and where the <b>primary forest activities</b> are within a <i>fisheries sensitive watershed</i>, for the area associated with that cutblock or road:</p> <p>(1) carry out <b>primary forest activities</b> consistent with the <b>project plan</b>.</p> <p>(2) where <b>measures</b> have been <b>documented</b> in a <b>project plan</b>, carry out <b>primary forest activities</b> and other activities in accordance with the <b>measures</b>, to ensure the <b>results</b> and <b>strategies</b> under this sub-section of the FSP will be achieved.</p>



(3) carry out **primary forest activities** consistent with FPPR Sec. 55 (stream crossings), 56 (fish passage) and 57 (protection of fish and fish habitat).

SUB-SECTION SPECIFIC DEFINITIONS

*“fisheries sensitive watershed”* means a fisheries sensitive watershed established under GAR Sec. 14(1).

*“fisheries sensitive watershed assessment”* means an **assessment** that applies the contemporary **TKO watershed assessment and risk management framework (framework)** wherein the BCTS coordinating professional and specialists, shall

(A) identify the potential for **primary forest activities** to result in material adverse impacts relative to the **objectives** established under GAR Sec. 14(2) for the *fisheries sensitive watershed*,

(B) where and to the extent necessary, identify **measures** to mitigate material adverse impacts resulting from **primary forest activities** to ensure that the **objectives** established under GAR Sec. 14(2) for the *fisheries sensitive watershed* will be achieved,

(C) where the *fisheries sensitive watershed* is shared with another **forest licensee**, **collaborate** with the **forest licensee** to ensure that the applicable **objectives** will be achieved,

(D) acquire, complete, update or provide an addendum to a watershed assessment or hydrologic assessment, as directed by the **framework**, and

(E) consider elements, to the extent directed by the **framework** and professional opinions given thereunder, for example:

- (I) cumulative effects,
- (II) natural stream bed dynamics,
- (III) stream channel integrity,
- (IV) quality, quantity and timing of water flow, and
- (V) overall watershed level hydrological conditions.

(The remainder of this page is purposefully blank.)

## 6.8 Water in Community Watersheds

OBJECTIVES	
Applicable <b>objectives set by government:</b>	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 8.2 Objectives set by government for water in community watersheds</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 59 Protecting water quality</a></li> <li>• <a href="#">FPPR Sec. 60 Licensed waterworks</a></li> <li>• <a href="#">FPPR Sec. 61 Excavated or bladed trails</a></li> <li>• <a href="#">FPPR Sec. 62 Roads in a community watershed</a></li> <li>• <a href="#">FPPR Sec. 63 Use of fertilizers</a></li> <li>• <a href="#">FPPR Sec. 84 Notice – road in a community watershed</a></li> </ul>

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies and where the <b>primary forest activities</b> are within a <i>community watershed</i>, for the area associated with that cutblock or road:</p> <ol style="list-style-type: none"> <li>(1) plan <b>primary forest activities</b> to be consistent with FPPR Sec. 59 to 63 (practice requirements in watersheds).</li> <li>(2) send a <b>referral</b> to each <b>licensed domestic water user</b> with rights pertaining to the <i>community watershed</i>.</li> <li>(3) undertake a <i>community watershed assessment</i>.</li> <li>(4) where a <i>community watershed assessment</i> identifies <b>measures</b> necessary to prevent <i>significant cumulative hydrological effects</i> to the <i>community watershed</i>, prescribe the <b>measures</b> identified in the <i>community watershed assessment</i>.</li> <li>(5) <b>document</b> in a <b>project plan</b> <ol style="list-style-type: none"> <li>(a) <b>referrals</b> sent,</li> <li>(b) <b>assessments</b> undertaken,</li> <li>(c) <b>measures</b> prescribed,</li> <li>(d) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</li> </ol> </li> <li>(6) provide the <b>project plan</b> to an <b>agreement holder</b>.</li> </ol> <p>(2) The <b>TSM</b> shall, prior to an <b>agreement holder</b> commencing <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies and where the <b>primary forest activities</b> are within a <i>community watershed</i>, for the area associated with that cutblock or road:</p> <ol style="list-style-type: none"> <li>(1) provide written notification of the commencement of <b>primary forest activities</b> to each <b>licensed domestic water user</b> with rights pertaining to the <i>community watershed</i>, at least 48 hours prior to the commencement of <b>primary forest activities</b> by an <b>agreement holder</b>, in compliance with FPPR Sec. 84 (notice – road in community watershed).</li> </ol>

#### RESPONSIBILITIES OF AGREEMENT HOLDERS

(3) An **agreement holder** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and where the **primary forest activities** are within a *community watershed*, for the area associated with that cutblock or road:

- (1) carry out **primary forest activities** consistent with the *project plan*.
- (2) where *measures* have been **documented** in a *project plan*, carry out **primary forest activities** and other activities in accordance with the *measures*, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.
- (3) carry out **primary forest activities** consistent with FPPR Sec. 59 to 63 (practice requirements in watersheds).

#### SUB-SECTION SPECIFIC DEFINITIONS

*“community watershed”* has the meaning given to it in FPPR section 8.2(1) and specifically includes those community watershed referred to in Appendix 6.8.

*“significant cumulative hydrological effects”* means the potential for primary forest activities to result in

- (A) a material adverse impact on the quantity of water or the timing of the flow of the water from the waterworks, and
- (B) the water from the waterworks having a material adverse impact on human health that cannot be addressed by water treatment required under
  - (I) an enactment, or
  - (II) the licence pertaining to the waterworks.

*“incidental”* means a circumstance where

- (A) the majority of the area of cutblocks (NAR plus PAS) and/or area of roads (ROW) is located outside of a *community watershed*,
- (B) the residual area of cutblocks (NAR plus PAS) and/or roads (ROW) within a *community watershed*
  - (I) is planned for appropriate reasons (e.g. forest health priority, strategic/economic development, avoiding isolation of timber, selection of lower impact access, or other planning consideration), and
  - (II) is less than or equal to 2% of the total area of the *community watershed* or 5.0 hectares, whichever is less; and
- (C) an **assessment** details that the incidental development is unlikely to result in significant hydrological effects which would negatively impact water quality, quantity, or timing of flow.

*“community watershed assessment”* means an **assessment** that applies the contemporary **TKO watershed assessment and risk management framework (framework)** wherein the BCTS coordinating professional and Specialists, shall

- (A) identify the potential for **primary forest activities** to result in *significant cumulative hydrological effects* to the *community watershed*,
- (B) where and to the extent necessary, identify **measures** to mitigate the identified *significant cumulative hydrological effects* (which may include monitoring by a qualified professional),
- (C) where the *community watershed* is shared with another **forest licensee**, **collaborate** with the **forest licensee** to ensure that the applicable **objectives** will be achieved.
- (D) acquire, complete, update or provide an addendum to a watershed assessment or hydrologic assessment, as directed by the **framework**,
- (E) where the area of planned cutblocks (NAR plus PAS) and/or roads (ROW) within the *community watershed* is *incidental*, applies the **framework** in this context, and
- (F) consider elements, to the extent directed by the **framework** and professional opinions given thereunder, for example:
- (I) cumulative effects,
  - (II) a risk analysis assessing the risk of potential impacts to elements at risk,
  - (III) an overview of the watershed including creek morphology,
  - (IV) a watershed snapshot or report card update (a GIS analysis),
  - (V) a review of cumulative effects of past and proposed activities,
  - (VI) specific recommendations for hazard mitigation, and/or
  - (VII) a drainage plan for roads and other related development.

(The remainder of this page is purposefully blank.)

## 6.9 Consumptive Use Streams

OBJECTIVES	
Applicable <i>objectives</i> :	<ul style="list-style-type: none"> <li>• <a href="#">KBHLPO</a> Objective 6 Consumptive Use Streams</li> <li>• </li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 59 Protecting water quality</a></li> <li>• <a href="#">FPPR Sec. 60(1) Licensed waterworks</a></li> </ul>

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) plan <b>primary forest activities</b> to be consistent with FPPR Sec. 59 (protecting water quality) and Sec. 60(1) (licensed waterworks).</p> <p style="padding-left: 40px;">(2) undertake a <i>consumptive use stream assessment</i> to plan <b>primary forest activities</b> to be consistent with KBHLPO Objective 6 (consumptive use streams).</p> <p style="padding-left: 40px;">(3) where a <i>consumptive use stream assessment</i> identifies a <i>consumptive use stream</i> and a cutblock or road is located within the <i>streamside management zone</i>, send a <b>referral</b> to each <b>licensed domestic water user</b> with rights pertaining to the <i>consumptive use stream</i>.</p> <p style="padding-left: 40px;">(4) where a <i>consumptive use stream assessment</i> identifies a <i>stream side management zone</i>, undertake a <i>stream side management zone assessment</i>.</p> <p style="padding-left: 40px;">(5) where the <i>stream side management zone assessment</i> identifies <b>measures</b> for a <i>stream side management zone</i> that are necessary to safeguard water licensed for human consumption, prescribe the <b>measures</b> identified in the <i>stream side management zone assessment</i>.</p> <p style="padding-left: 40px;">(6) <b>document</b> in a <b>project plan</b></p> <p style="padding-left: 80px;">(a) <b>referrals</b> sent,</p> <p style="padding-left: 80px;">(b) <b>assessments</b> undertaken,</p> <p style="padding-left: 80px;">(c) <b>measures</b> prescribed,</p> <p style="padding-left: 80px;">(d) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</p> <p style="padding-left: 40px;">(7) provide the <b>project plan</b> to an <b>agreement holder</b>.</p> <hr/> <p style="text-align: center;">RESPONSIBILITIES OF AGREEMENT HOLDERS</p> <p>(2) An <b>agreement holder</b> shall, when conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) carry out <b>primary forest activities</b> consistent with the <b>project plan</b>.</p>

(2) where **measures** have been **documented** in a **project plan**, carry out **primary forest activities** and other activities in accordance with the **measures**, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.

(3) carry out **primary forest activities** consistent with FPPR Sec. 59 (protecting water quality) and Sec. 60(1) (licensed waterworks).

#### SUB-SECTION SPECIFIC DEFINITIONS

*“consumptive use stream”* means a stream described under KBHLPO Objective 6 to which streamside management zone provisions will apply.

*“consumptive use stream assessment”* means an **assessment** that identifies a *consumptive use stream* by

- (A) referring to KBHLPO Map 6.1,
- (B) supplementing KBHLPO Map 6.1 with
  - (I) identified downstream **licensed domestic water users**,
  - (II) **stream** data available from the BC Geographic Warehouse and BCTS GIS Data Library, and
  - (III) where available, field-based **stream** data; and
- (C) mapping **stream** orders, and
- (D) identifying a *stream side management zone*.

*“streamside management zone”* has the same meaning as described under the KBHLPO Objective 6.

*“stream side management zone assessment”* means an **assessment** that applies the contemporary **TKO watershed assessment and risk management framework (framework)** wherein the BCTS coordinating professional and specialists, shall

- (A) identify the potential for **primary forest activities** within the *stream side management zone* to result in material adverse impacts to water licensed for human consumption,
- (B) where and to the extent necessary, identify **measures** to mitigate material adverse impacts from **primary forest activities** located within the *stream side management zone*, to safeguard water licensed for human consumption,
- (C) where the *consumptive use stream* is within a shared with another **forest licensee**, **collaborate** with the **forest licensee** to ensure that the applicable **objectives** will be achieved,
- (D) acquire, complete, update or provide an addendum to a watershed assessment or hydrologic assessment, as directed by the **framework**, and
- (E) consider elements, to the extent directed by the **framework** and professional opinions given thereunder, for example:
  - (I) cumulative effects,
  - (II) a risk analysis assessing the risk of potential impacts to elements at risk,
  - (III) an overview of the watershed including creek morphology,
  - (IV) a watershed snapshot or report card update (a GIS analysis),

(V) a review of cumulative effects of past and proposed activities,  
(VI) specific recommendations for hazard mitigation, and/or  
(VII) a drainage plan for roads and other related development.

(The remainder of this page is purposefully blank.)

## 6.10 Visual Quality

OBJECTIVES		
Applicable <i>objectives</i> :	<ul style="list-style-type: none"> <li>• <a href="#">FRPA Sec. 181 Grandparenting objectives</a></li> <li>• <a href="#">GAR Sec. 7 Scenic areas and visual quality objectives</a></li> </ul>	
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FRPA Sec. 180 Grandparenting specified designations</a></li> <li>• <a href="#">FPPR Sec. 9.2 Objectives set by government for visual quality</a></li> <li>• <a href="#">KBHLPO Objective 9 Visuals</a></li> <li>• <a href="#">FPPR Sec. 1.1 Categories of visually altered forest landscape</a></li> </ul>	
<p>For clarity, Table 3 identifies the orders that legally established <i>scenic areas</i> and <i>established visual quality objectives</i> for the FDUs covered by this FSP, and which are in effect four months prior to the date of submission of this FSP.</p>		
<p>Table 3. <i>Scenic areas and established visual quality objectives.</i></p>		
FDU	Scenic Areas Established by:	VQOs Established by:
Arrow	GAR Sec. 7(1) Order by District Manager, Arrow Boundary Forest District, Dec. 31, 2005	GAR Sec. 7(2) Order by the District Manager, Arrow Boundary Forest District, Dec. 31, 2005
Boundary	GAR Sec. 7(1) Order by Regional Director, ILMB, Dec. 23, 2005, effective Dec. 30, 2005	
Kootenay Lake	Ministerial Order approving the KBHLPO Oct. 26, 2002; Grandparented under FRPA Sec. 180(c)	GAR Sec. 7(2) Order by the District Manager, Kootenay Lake Forest District, Mar. 7, 2014
Rocky Mountain		Established by letter from the District Manager, Rocky Mountain District, Mar. 14, 2003; Continued under FRPA Sec. 181

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies and where the cutblock or road is within a <i>scenic area</i> with an <i>established visual quality objective (EVQO)</i>, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) undertake a <i>visual assessment</i> to plan <b>primary forest activities</b> such that the extent of alteration resulting from the size, shape and location of cutblocks and roads will be consistent with the <i>EVQO</i>.</p>



(2) where a *visual assessment* identifies **measures** necessary to ensure that the extent of alteration resulting from the size, shape and location of cutblocks and roads will be consistent with the *EVQO*, prescribe the **measures** identified in the *visual assessment*.

(3) where a *visual assessment* indicates that the extent of alteration resulting from the size, shape and location of cutblocks and roads will not be consistent with the *EVQO*,

(a) plan **primary forest activities** such that the extent of alteration resulting from the size, shape and location of cutblocks and roads will be consistent with *EVQO*, to the extent **practicable**,

(b) apply to the District Manager for the approval of a FSP amendment that specifies site-specific alternate or modified **results** and/or **strategies** consistent with FPPR Sec. 25.1, including with the application the *visual assessment*, and

(c) proceed with the planned **primary forest activities** only after obtaining District Manager's approval of the FSP amendment.

(4) **document** in a **project plan**

(a) **assessments** undertaken,

(b) **measures** prescribed,

(c) responsibilities of **agreement holders** under this sub-section of the FSP.

(5) provide the **project plan** to an **agreement holder**.

#### RESPONSIBILITIES OF AGREEMENT HOLDERS

(2) An **agreement holder** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and where the cutblock or road is within a *scenic area* with an *established visual quality objective (EVQO)*, for the area associated with that cutblock or road:

(1) carry out **primary forest activities** consistent with the **project plan**.

(2) where **measures** have been **documented** in a **project plan**, carry out **primary forest activities** and other activities in accordance with the **measures**, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.

#### SUB-SECTION SPECIFIC DEFINITIONS

*"established visual quality objective (EVQO)"* means

(A) a visual quality objective established as detailed in Table 3, and

(B) the applicable category of altered forest landscape specified in FPPR Sec. 1.1 (categories of visually altered forest landscape).

*"scenic area"* means a scenic area established as detailed in Table 3.

*"significant public viewpoint"* means, unless otherwise defined in the **guidelines**, a location on water or land, that is

(A) accessible to the public,

(B) provides a viewing opportunity, and

(C) has relevance to the visual landscape or landform being assessed.

*“visual assessment”* means an **assessment** that follows the contemporary **professional practice guidelines (guidelines)** (pertaining to visual resource management), which, as directed by the **guidelines**,

(A) evaluates the alteration resulting from the size, shape and location of cutblocks and roads from one or more *significant public viewpoints*,

(B) describes how the alteration resulting from the size, shape and location of cutblocks and roads will be consistent with the *EVQO*,

(C) utilizes guidance for predicting consistency with the **EVQO**, to the extent directed by the **guidelines** and professional opinions given thereunder, for example:

(I) Tables 3 and 4 of the ‘FPC Visual Impact Assessment Guidebook’ (Second edition, January 2001), and/or

(II) the ‘Protocol for Visual Quality Effectiveness Evaluation Procedures and Standards’ (FREP, 2008).

(The remainder of this page is purposefully blank.)

## 6.11 Cultural Heritage Resources

OBJECTIVES	
Applicable <i>objectives</i> :	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 10 Objectives set by government for cultural heritage resources</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• None</li> </ul>

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, throughout the term of this FSP, <i>hold in confidence</i> traditional use information.</p> <p>(2) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) send a <i>written request to share information</i> to a <i>First Nation</i> and/or follow the protocol of contemporary government / <i>First Nation</i> consultation agreements.</p> <p style="padding-left: 40px;">(2) where a <i>reply</i> is received and a meeting takes place, undertake a <i>cultural heritage resources review</i> with the <i>First Nation</i>.</p> <p style="padding-left: 40px;">(3) where a <i>reply</i> is received but a meeting does not take place, undertake a <i>cultural heritage resources review</i> with information supplied by the <i>First Nation</i> in the <i>reply</i>.</p> <p style="padding-left: 40px;">(4) where a <i>reply</i> is not received, undertake a <i>cultural heritage resources review</i> using information known to the <b>TSM</b>.</p> <p style="padding-left: 40px;">(5) <i>respond in summary</i> to a <i>reply</i>.</p> <p style="padding-left: 40px;">(6) where a <i>cultural heritage resource</i> is identified in the field, incorporate the <i>cultural heritage resource</i> into a <i>cultural heritage resources review</i>.</p> <p style="padding-left: 40px;">(7) where the <i>cultural heritage resources review</i> identifies <b>measures</b> necessary to conserve or protect a <i>cultural heritage resource</i>, prescribe the <b>measures</b> identified in the <i>cultural heritage resources review</i>.</p> <p style="padding-left: 40px;">(8) <b>document</b> in a <b>project plan</b></p> <p style="padding-left: 80px;">(a) <i>written requests to share information</i> sent,</p> <p style="padding-left: 80px;">(b) <b>assessments</b> undertaken,</p> <p style="padding-left: 80px;">(c) <b>measures</b> prescribed,</p> <p style="padding-left: 80px;">(d) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</p> <p style="padding-left: 40px;">(9) provide the updated <b>project plan</b> to an <b>agreement holder</b>.</p> <p>(2) The <b>TSM</b> shall, when an agreement holder is conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) where the <b>TSM</b> is informed of a previously unidentified <i>cultural heritage resource</i> that is identified in the field by an <b>agreement holder</b>,</p>

- (a) incorporate the *cultural heritage resource* into a *cultural heritage resources review*,
- (b) where the *cultural heritage resources review* identifies **measures** necessary to conserve or protect a *cultural heritage resource*, prescribe the **measures** identified in the *cultural heritage resources review*,
- (c) **document** in a project plan
  - (i) **assessments** undertaken,
  - (ii) **measures** prescribed,
  - (iii) responsibilities of **agreement holders** under this sub-section of the FSP.
- (d) provide the **project plan** to an **agreement holder**.

#### RESPONSIBILITIES OF AGREEMENT HOLDERS

- (3) An **agreement holder** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:
- (1) carry out **primary forest activities** consistent with the **project plan**.
  - (2) where **measures** have been **documented** in a **project plan**, carry out **primary forest activities** and other activities in accordance with the **measures**, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.
  - (3) where a previously unidentified *cultural heritage resource* is identified in the field,
    - (a) stop work to the degree necessary to protect the *cultural heritage resource*, and
    - (b) inform the **TSM** of the previously unidentified *cultural heritage resource*.
  - (4) *hold in confidence* traditional use information.

#### SUB-SECTION SPECIFIC DEFINITIONS

“*cultural heritage resource (CHR)*” means an object, a site or the location of a traditional societal practice that is of historical, cultural or archaeological significance to British Columbia, a community or an aboriginal people, that is the focus of a traditional use by an aboriginal people that is of continuing importance to that people, and that is not regulated under the *Heritage Conservation Act*.

“*cultural heritage resources review*” means an **assessment** that

- (A) reviews the available information from BCTS and the *First Nation*,
- (B) determines areas of concern that may result from **primary forest activities** when compared with *First Nation* interests or activities,
- (C) identifies if a specific subsequent **assessment** is warranted,
- (D) evaluates the potential for impacts to a *CHR* considering the following factors (as modified from FPPR Schedule 1, Sec.4)
  - (I) the relative value or importance of a particular *CHR* to a traditional use by an aboriginal people,
  - (II) the relative abundance or scarcity of a *CHR* that is the focus of a traditional use,
  - (III) the historical extent of a traditional use of a *CHR*,

- (IV) the impact on **timber harvesting** rights of conserving or protecting a *CHR*, and
- (V) options for mitigating the impact that a forest practice might have on a *CHR*; and

(E) identifies **measures** to protect the *CHR* that will meet the needs of both BCTS and the *First Nation*.

“*First Nation*” means a First Nation where a cutblock or road is within the asserted traditional territory of the First Nation, as determined through a query of the contemporary BC government database pertaining to traditional territories.

“*hold in confidence*” means to not release traditional use information to another government agency or another *First Nation* without the express written consent of the holder of the traditional use information.

“*reply*” means a communication received by the **TSM** in response to a *written request to share information*.

“*respond in summary*” means a written communication summarizing the *cultural heritage resource review* completed with relevance to the *First Nation*.

“*written request to share information*” means

- (A) a description of the proposed **timber harvesting** or **road construction**,
- (B) a map of the proposed **timber harvesting** or **road construction**,
- (C) a request for comments and information on *cultural heritage resources*, including the type, location, and extent of any traditional use that is of continuing importance to the *First Nation*,
- (D) an offer to meet with the *First Nation*, and
- (E) an opportunity of at least 30 days, unless otherwise agreed to, for review and comment.

(The remainder of this page is purposefully blank.)

## 6.12 Recreation Features with Established Objectives

OBJECTIVES	
Applicable <i>objectives</i> :	<ul style="list-style-type: none"> <li>• <a href="#">FRPA Sec. 181 Grandparenting objectives</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FRPA Sec. 180 Grandparenting specified designations</a></li> <li>• <a href="#">FRR Sec. 16 Other uses requiring authorization</a></li> </ul>

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies and where the <b>primary forest activities</b> are within or adjacent to a <i>recreation feature</i>, for the area associated with that cutblock or road:</p> <p>(1) undertake a <i>recreation assessment</i> to plan <b>primary forest activities</b> to be consistent with established <b>objectives</b>.</p> <p>(2) where a <i>recreation assessment</i> identifies <b>measures</b> necessary to ensure that applicable <b>objectives</b> will be achieved, prescribe the <b>measures</b> identified in the <i>recreation assessment</i>.</p> <p>(3) does not plan <b>primary forest activities</b> within 100m of the centreline of a section of the Dewdney Trail designated as an archaeological site, except for a <b>minor incursion</b>.</p> <p>(4) where a <b>minor incursion</b> is planned within 100m of the centreline of a section of the Dewdney Trail designated as an archaeological site, identify <b>measures</b> to be consistent with the Dewdney Trail Plan, as <b>practicable</b>.</p> <p>(5) send a <b>referral</b> to</p> <p style="margin-left: 40px;">(a) the forest district recreation officer, and</p> <p style="margin-left: 40px;">(b) the holder of an agreement or tenure with respect to the <i>recreation feature</i>, where applicable.</p> <p>(6) where a FRR Sec. 16(a)(ii) authorization issued by the forest district recreation officer identifies <b>measures</b> to manage <b>primary forest activities</b> located within or adjacent to a <i>recreation feature</i>, prescribe the <b>measures</b> issued under the FRR Sec. 16(a)(ii) authorization.</p> <p>(7) prescribe the following default <b>measures</b> for conducting <b>primary forest activities</b> within or adjacent to a <i>recreation feature</i>:</p> <p style="margin-left: 40px;">(a) <b>road construction</b> will not cross a trail running surface, unless</p> <p style="margin-left: 80px;">(i) another road location would result in a greater risk to one or more <b>FRPA values</b>, or there is no other <b>practicable</b> location, and</p> <p style="margin-left: 80px;">(ii) the road will cross the trail running surface in a perpendicular fashion, as <b>practicable</b>.</p> <p style="margin-left: 40px;">(b) prior to carrying out <b>primary forest activities</b>, installation of temporary signage shall inform users of the <b>primary forest activities</b>, and</p> <p style="margin-left: 40px;">(c) prior to completing <b>primary forest activities</b>,</p>

- (i) removal of debris introduced from **primary forest activities** that is obstructing a trail running surface,
- (ii) identification and removal of **safety hazards** within or adjacent to a trail running surface, and
- (iii) re-establishment of a trail running surface that was damaged by **primary forest activities**.

(8) **document** in a **project plan**

- (a) **referrals** sent
- (b) **assessments** undertaken,
- (c) FRR Sec. 16(a)(ii) authorizations issued,
- (d) **measures** prescribed, and
- (e) responsibilities of **agreement holders** under this sub-section of the FSP.

(9) provide the **project plan** to an **agreement holder**.

#### RESPONSIBILITIES OF AGREEMENT HOLDERS

(2) An **agreement holder** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and where the **primary forest activities** are within or adjacent to a **recreation feature**, for the area associated with that cutblock or road:

- (1) carry out **primary forest activities** consistent with the **project plan**.
- (2) where **measures** have been **documented** in a **project plan**, carry out **primary forest activities** and other activities in accordance with the **measures**, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.

#### SUB-SECTION SPECIFIC DEFINITIONS

"**recreation feature**" means an interpretive forest site, recreation site or recreation trail

- (A) established under the Forest Practices Code and continued under FRPA Sec. 180, and
- (B) for which **objectives** were established under the Forest Practices Code and continued under FRPA Sec. 181.

"**recreation assessment**" means an **assessment** that

- (A) identifies **measures** necessary to ensure that **objectives** will be achieved, for example
  - (I) the use of machine free zones to protect trail running surfaces and adjacent natural understory vegetation, and
  - (II) the carrying out of **primary forest activities** during periods of low recreational use;
- (B) where an **objective** for a **recreation feature** includes a reference to 'motorized use' or 'non-motorized use', does not interpret the **objective** as applying to industrial access associated with **primary forest activities**,
- (C) where an **objective** for a **recreation feature** includes a reference to 'non-motorized access', identifies **measures** for **road deactivation** that will

- (I) re-establish the degree of access to that which existed prior to *road construction*,  
and  
(II) be carried out within one year following the completion of **primary forest activities**.

(The remainder of this page is purposefully blank.)



## 7 MEASURES

This section presents measures to prevent the introduction or spread of invasive plants and to mitigate the effect of removing or rendering ineffective natural range barriers. The presentation format is consistent with FSP Section 6 in that each numbered subsection is comprised of three parts.

PRESCRIBED REQUIREMENTS
The first box presents the applicable prescribed requirements for which the measures have been prepared and relevant additional legal references. Where possible, all references are hyperlinks to source information and are functional as of the date of FSP submission.

MEASURES
The second box presents the measures developed to address the prescribed requirements. Herein, the measures are delegated as being either the responsibility of the <b>TSM</b> or <b>agreement holders</b> . Similar to the discussion under FSP Section 6, delegation of responsibilities will ultimately help ensure that the measures will be carried out.

SUB-SECTION SPECIFIC DEFINITIONS
The third box presents sub-section specific definitions necessary to interpret and apply the measures. Definitions are presented in alphabetical order.

(The remainder of this page is purposefully blank.)

## 7.1 Measures to Prevent the Introduction or Spread of Invasive Plants

PRESCRIBED REQUIREMENTS	
Prescribed requirements:	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 17 Invasive plants</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FRPA Sec. 47 Invasive plants</a></li> </ul>

### 7.1.1 Training, Identification, Reporting, Interventions and Monitoring

MEASURES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, throughout the term of this FSP:</p> <ul style="list-style-type: none"> <li>(1) develop <i>invasive plants awareness training</i> and an <i>invasive plants chance find information package</i>.</li> <li>(2) <b>deliver</b> and <b>record</b> the provision of <i>invasive plants awareness training</i> to BCTS Staff.</li> <li>(3) provide an <i>invasive plants chance find information package</i> to <b>contractors</b>.</li> <li>(4) within cutblocks, require BCTS staff and <b>contractors</b> to follow the contemporary <i>invasive plants awareness training</i> or <i>invasive plants chance find information package</i> to <ul style="list-style-type: none"> <li>(a) re-visit invasive plant infestations during milestone silviculture surveys, and</li> <li>(b) re-report invasive plant infestations to the MFLNRORD Invasive Alien Plant Program, providing the information obtained during the milestone silviculture surveys.</li> </ul> </li> </ul> <p>(2) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"> <li>(1) require BCTS staff and <b>contractors</b> to follow the contemporary <i>invasive plants awareness training</i> or <i>invasive plants chance find information package</i> to <ul style="list-style-type: none"> <li>(a) identify invasive plant infestations within or adjacent to a planned cutblock and/or road, utilizing information available from the contemporary MFLNRORD Invasive Alien Plant Program database,</li> <li>(b) identify new field-discovered invasive plant infestations within or adjacent to a planned cutblock and/or road, and</li> <li>(c) where a new field-discovered invasive plant infestation is identified within or adjacent to a planned cutblock and/or road, report the infestation to the MFLNRORD Invasive Alien Plant Program within 30 days of discovery.</li> </ul> </li> <li>(2) prescribe the following default <b>measures</b> for conducting <b>primary forest activities</b>: <ul style="list-style-type: none"> <li>(a) adherence to the contemporary <i>invasive plants chance find information package</i> to <ul style="list-style-type: none"> <li>(i) identify new field discovered invasive plant infestations within or adjacent to a cutblock and/or road covered under a <b>project plan</b>, and</li> </ul> </li> </ul> </li> </ul>

(ii) where a new field-discovered invasive plant infestation is identified within or adjacent to a cutblock and/or road covered under a **project plan**, report the infestation to the MFLNRORD Invasive Alien Plant Program within 30 days of discovery;

(b) visual inspection and manual removal of soil or plant materials found attached to equipment (e.g. machinery, culverts, bridges and cattleguards)

(i) prior to the equipment arriving at a cutblock and/or road, and

(ii) prior to the equipment departing from a cutblock and/or road.

(3) provide an *invasive plants chance find information package* to an **agreement holder**.

(4) **document** in a **project plan**

(a) invasive plant infestations identified within cutblocks,

(b) **measures** prescribed, and

(c) responsibilities of **agreement holders** under this sub-section of the FSP.

(5) provide the **project plan** to an **agreement holder**.

(3) The TSM shall, when an **agreement holder** is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) where the **TSM** is informed by an **agreement holder** that a new field-discovered invasive plant infestation was identified within a cutblock covered under a **project plan, document** in the **project plan**, the invasive plant infestation within the cutblock.

#### RESPONSIBILITIES OF AGREEMENT HOLDERS

(4) An **agreement holder** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:

(1) carry out **primary forest activities** consistent with the **project plan**.

(2) where **measures** have been **documented** in a **project plan**, carry out **primary forest activities** and other activities in accordance with the **measures**, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.

(3) where a new field-discovered invasive plant infestation is identified within a cutblock covered under a **project plan**, inform the **TSM** of the discovery.

#### SUB-SECTION SPECIFIC DEFINITIONS

*“invasive plants awareness training”* means guidance related to the identification, management strategies and reporting requirements for invasive plants that is prepared and maintained by a **qualified professional**.

*“invasive plants chance find information package”* means summary guidance for **contractors** and **agreement holders**, based on the *invasive plants awareness training*.

## 7.1.2 Road Revegetation

MEASURES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"><li>(1) identify roads for which an <b>agreement holder</b> will be assigned <i>road revegetation responsibility</i>.</li><li>(2) where an <b>agreement holder</b> has been assigned <i>road revegetation responsibility</i>, prescribe the following default <b>measures</b>:<ul style="list-style-type: none"><li>(a) within cutblocks, the <b>revegetation</b> of <b>road exposed mineral soils</b> that are not part of the <b>net area to be reforested (NAR)</b>, and</li><li>(b) external to cutblocks, the <b>revegetation</b> of <b>road exposed mineral soils</b>, and</li><li>(c) the provision of a <b>certificate of analysis</b> to the <b>TSM</b>, upon request.</li></ul></li><li>(3) <b>document</b> in a <b>project plan</b><ul style="list-style-type: none"><li>(a) roads for which an <b>agreement holder</b> has been assigned <i>road revegetation responsibility</i>,</li><li>(b) <b>measures</b> prescribed,</li><li>(c) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</li></ul></li><li>(4) provide the <b>project plan</b> to an <b>agreement holder</b>.</li></ul> <p>(2) The <b>TSM</b> may, when an agreement holder is conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"><li>(1) request from an <b>agreement holder</b> a <b>certificate of analysis</b>.</li></ul>
<p style="text-align: center;">RESPONSIBILITIES OF AGREEMENT HOLDERS</p> <p>(3) An <b>agreement holder</b> shall, when conducting <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies, for the area associated with that cutblock or road:</p> <ul style="list-style-type: none"><li>(1) carry out <b>primary forest activities</b> consistent with the <b>project plan</b>.</li><li>(2) where <b>measures</b> have been <b>documented</b> in a <b>project plan</b>, carry out and other activities in accordance with the <b>measures</b>, to ensure the <b>results</b> and <b>strategies</b> under this sub-section of the FSP will be achieved.</li></ul>
SUB-SECTION SPECIFIC DEFINITIONS
<p><i>“road revegetation responsibility”</i> means designated obligations, with respect to <b>revegetation</b> of <b>road exposed mineral soils</b>, for any specific road identified by the <b>TSM</b> which provides industrial access to one or more of the <b>agreement holder’s</b> contracts or agreements.</p>

## 7.2 Measures to Mitigate the Effect of Removing or Rendering Ineffective Natural Range Barriers

PRESCRIBED REQUIREMENTS	
Prescribed requirements:	<ul style="list-style-type: none"> <li>• <a href="#">FPPR Sec. 18 Natural range barriers</a></li> </ul>
Additional legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FRPA Sec. 48 Natural range barriers</a></li> </ul>

RESULTS AND STRATEGIES
<p style="text-align: center;">RESPONSIBILITIES OF THE TSM</p> <p>(1) The <b>TSM</b> shall, prior to authorizing an <b>agreement holder</b> to conduct <b>primary forest activities</b> on or within a cutblock or road to which this FSP applies and where the <b>primary forest activities</b> are within or adjacent to the area of a range agreement, for the area associated with that cutblock or road:</p> <p style="padding-left: 40px;">(1) send a <b>referral</b> to</p> <p style="padding-left: 80px;">(a) the natural resource district range officer, and</p> <p style="padding-left: 80px;">(b) the holder of a range agreement,</p> <p style="padding-left: 40px;">specifically including within the <b>referral</b></p> <p style="padding-left: 80px;">(c) information about potential impacts to known natural range barriers, and</p> <p style="padding-left: 80px;">(d) a request for information regarding known natural range barriers utilized by the holder of a range agreement.</p> <p style="padding-left: 40px;">(2) where a reply to a <b>referral</b> is received,</p> <p style="padding-left: 80px;">(a) undertake a <b>range assessment</b> using information received from the natural resource district range officer and/or holder of a range agreement, and</p> <p style="padding-left: 80px;">(b) respond with a summary of the <b>range assessment</b> undertaken.</p> <p style="padding-left: 40px;">(3) where a reply to a <b>referral</b> is not received, undertake a <b>range assessment</b> using information known to the <b>TSM</b>.</p> <p style="padding-left: 40px;">(4) where a natural range barrier is identified in the field, incorporate the natural range barrier into a <b>range assessment</b>.</p> <p style="padding-left: 40px;">(5) where a <b>range assessment</b> identifies <b>measures</b> to mitigate the removal or the rendering ineffective of a natural range barrier, prescribe the <b>measures</b> identified in the <b>range assessment</b>.</p> <p style="padding-left: 40px;">(6) <b>document</b> in a <b>project plan</b></p> <p style="padding-left: 80px;">(a) <b>referrals</b> sent,</p> <p style="padding-left: 80px;">(b) <b>assessments</b> undertaken,</p> <p style="padding-left: 80px;">(c) <b>measures</b> prescribed, and</p> <p style="padding-left: 80px;">(d) responsibilities of <b>agreement holders</b> under this sub-section of the FSP.</p> <p style="padding-left: 40px;">(7) provide the <b>project plan</b> to an <b>agreement holder</b>.</p>

## RESPONSIBILITIES OF AGREEMENT HOLDERS

(2) An **agreement holder** will, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and where the **primary forest activities** are within or adjacent to the area of a range agreement, for the area associated with that cutblock or road:

- (1) carry out **primary forest activities** consistent with the **project plan**.
- (2) where **measures** have been **documented** in a **project plan**, carry out **primary forest activities** and other activities in accordance with the **measures**, to ensure the **results** and **strategies** under this sub-section of the FSP will be achieved.

## SUB-SECTION SPECIFIC DEFINITIONS

*“range assessment”* means an **assessment** that

- (A) identifies known natural range barriers,
- (B) considers how **primary forest activities** may remove or render ineffective a natural range barrier,
- (C) identifies **measures** to mitigate the removal or the rendering ineffective of a natural range barrier, for example
  - (I) the installation of a **range development**,
  - (II) the assignment of maintenance responsibilities for an installed **range development** to the holder of a range agreement, subject to the approval of the District Manager, and
  - (III) the timing of implementation of **measures**.
- (D) identifies potential impacts from removing or rendering ineffective a **range development** that is used by the range officer or holder of a range agreement in addition to or in lieu of a **natural range barrier** for range management.
- (E) identifies **measures** to mitigate the removal or rendering ineffective of a **range development** identified in (D), for example
  - (I) remedial actions in the event of an inadvertent, unplanned, removal or rendering ineffective of a **range development**, and
  - (II) the timing of remedial actions; and
- (F) follow-up reviews upon completion of **primary forest activities**.

(The remainder of this page is purposefully blank.)

## 8 STOCKING STANDARDS

PRESCRIBED REQUIREMENTS	
Legal references:	<ul style="list-style-type: none"> <li>• <a href="#">FRPA Sec. 29(2) Free growing stands</a></li> <li>• <a href="#">FPPR Sec. 16 Stocking standards</a></li> <li>• <a href="#">FPPR Sec. 44 Free growing stands generally</a></li> </ul>

STOCKING STANDARDS
<p>(1) The TSM establishes, for the purposes of FPPR Sec. 29(2), as included in Appendix 8A, 8B, 8C and 8D:</p> <p style="padding-left: 40px;">(1) within the Arrow, Boundary and Kootenay Lake FDU,</p> <p style="padding-left: 80px;">(a) the “Selkirk Resource District South Columbia Default Stocking Standards – Version 1.0 (April 1, 2018)” as established by the District Manager of the Selkirk Natural Resource District on May 1, 2018, and</p> <p style="padding-left: 80px;">(b) the “Selkirk Resource District Wildland Urban Interface Default Stocking Standards – Version 1.0 (November 20, 2018)” as established by the District Manager of the Selkirk Natural Resource District on February 27, 2019; and</p> <p style="padding-left: 40px;">(2) within the Rocky Mountain FDU,</p> <p style="padding-left: 80px;">(a) the “Rocky Mountain Natural Resource District FSP Stocking Standards – Version 4.0 (August 22, 2014)” as established by the District Manager of the Rocky Mountain Forest District, and</p> <p style="padding-left: 80px;">(b) the “Rocky Mountain Forest District Partial Cutting Stocking Standards – Version 2.0 (April 1, 2010)” as established by the District Manager of the Rocky Mountain Forest District.</p> <p>(2) The TSM specifies, for the purposes of FPPR Sec. 16(1), that FPPR Sec. 44(1) (free growing stands generally) applies in all situations and circumstances under this FSP.</p> <p>(3) The TSM specifies, for the purposes of FPPR Sec. 16(3) and specifically for:</p> <p style="padding-left: 40px;">(1) the applicable stocking standards and applicable regeneration date referred to in FPPR Sec. 44(1)(a), and</p> <p style="padding-left: 40px;">(2) the applicable stocking standards and applicable free growing height referred to in FPPR Sec. 44(1)(b),</p> <p>that the stocking standards included in the applicable appendices apply in all situations and circumstances under this FSP.</p>

(The remainder of this page is purposefully blank.)

# **APPENDICES**

## **Appendix 2.5 – Amendments**

As identified in the Document Control section of this FSP, to date there are no amendments applicable to this FSP.

(The remainder of this page is purposefully blank.)



## Appendix 2.6.4 – Acronyms

The following is a list of acronyms commonly used within this FSP.

BCTS: British Columbia Timber Sales

BEC: Biogeoclimatic Ecosystem Classification

**CHR: Cultural Heritage Resource**

DDM: Delegated Decision Maker

FDU: Forest Development Unit

FPC: Forest Practices Code of BC Act

FPPR: Forest Planning and Practices Regulation

FRPA: Forest and Range Practices Act

FRR: Forest Recreation Regulation

FSP: Forest Stewardship Plan

GAR: Government Actions Regulation

**GWM: General Wildlife Measure**

ILMB: Integrated Land Management Bureau

KBHLPO: Kootenay-Boundary Higher Level Plan Order

LU: Landscape Unit

MFLNRORD: Ministry of Forests, Lands, Natural Resource Operations and Rural Development

**OGMA: Old Growth Management Area**

**RMZ: Riparian Management Zone**

RP: Road Permit

RPF: Registered Professional Forester

**RRZ: Riparian Reserve Zone**

**SAR: Species at Risk**

Sec.: Section

TSL: Timber Sale Licence

TKO: Kootenay Business Area

**TSM: Timber Sales Manager**

**UWR: Ungulate Winter Range**

**WHA: Wildlife Habitat Area**

WTP: Wildlife Tree Patch

**WTRA: Wildlife Tree Retention Area**

## **Appendix 3 (External) – FDU Maps**

The following FDU Maps are submitted as accompanying documents and are a legal component of this FSP. The appendices are not found within the body of this document; refer to the separate files.

Accompanying external documents:

**Appendix 3A – Arrow FDU Map – TKO FSP#914 2022-2027**

**Appendix 3B – Boundary FDU Map – TKO FSP#914 2022-2027**

**Appendix 3C – Kootenay Lake FDU Map – TKO FSP#914 2022-2027**

**Appendix 3D – Rocky Mountain FDU Map – TKO FSP#914 2022-2027**

(The remainder of this page is purposefully blank.)

## Appendix 4 – Timber Sale Licences and Road Permits in Effect

Table 4 and Table 5 list the timber sale licences, road permits and forest service roads in effect as of the date of approval of this FSP.

Table 4. In effect timber sale licences and associated road permit roads

FDU	TSL	Location	Associated Road Permit (RP)
Arrow	A95412	Nelway	
Arrow	A95805	Richy	R23007
Arrow	A95807	WEST WHATSHAN	R23119
Arrow	TA0330	Snow Creek 2 - Burton	R23413
Arrow	TA0382	Big Sheep Creek West II	
Arrow	TA0486	OUELLETTE	R23464
Arrow	TA1021	McCormick Creek	
Boundary	A95554	Burns Lake	R22869
Boundary	TA0220	Eholt	R22925
Boundary	TA0230	Dear Cr State Cr	R23137
Boundary	TA0231	Hoodoo Lake	R23384
Boundary	TA1535	Burns Lake #2	RPA95554 (original), R23037 (New)
Kootenay Lake	A95695	Duncan Westside/ Beartrap South	R22242
Kootenay Lake	A95903	Duncan Westside	
Kootenay Lake	TA0149	Duncan-North Creek	
Kootenay Lake	TA0654	Kokanee - Sunset	R22873
Kootenay Lake	TA1464	Hawkins - Canuck Creek	R23028
Kootenay Lake	TA1587	Lake Creek & Duncan Westside	R23358
Rocky Mountain	A93167	Semlin Creek	R22780
Rocky Mountain	A95367	Cabin Cut Off (Moyie)	R23307
Rocky Mountain	A95528	Rocky Creek	R23576
Rocky Mountain	TA0167	Mark Creek	R23434
Rocky Mountain	TA0548	Colvalli	R23548
Rocky Mountain	TA0904	Lavington Fire 1	R23526
Rocky Mountain	TA0906	Lavington Fire 2	R23527

(The remainder of this page is purposefully blank.)

Table 5. In effect forest service roads.

FDU	Forest Service Road (FSR)	FSR Description
Arrow	AR8391.04Oscar5000 AR8391.03Oscar5100	Oscar FSR Construction
Arrow	AR9564.11 West Whatshan 4900	West Whatshan 4900
Arrow	ARPL0040.13Grassy1000FSR ARPL0040.14Grassy1500FSR AR9536.12Twin Creeks	Grassy and Twin Creeks EN22TFG010
Kootenay Lake	KL8318.12 Elmer 6100 KL8318.08 Fudd	Fudd-Elmer FSR Road Construction

(The remainder of this page is purposefully blank.)

## Appendix 5 – Declared Areas

Table 6 and Table 7 list the timber sale licences and roads declared as of the date of approval of this FSP.

Table 6. Declared timber sale licences, associated road permit roads and associated forest service roads.

FDU	TSL	Location	Associated Road Permit (RP)	Associated Forest Service Road (FSR)
Arrow	A92204	North Whatshan	R21428	
Arrow	A93714	Whatshan lake	none	
Arrow	A93868	East Barnes	none	
Arrow	A93872	Ryder Creek	R23583	
Arrow	A95414	Green Mountain	none	
Arrow	TA0331	North Ritchie	none	
Arrow	TA0332	Grassy II	none	
Arrow	TA0470	Andres Road	none	
Arrow	TA0713	Snowshoe/Elvidge	none	
Arrow	TA1130	NW Sentinel	none	
Arrow	TA1543	Rusty Ridge	none	
Boundary	A79772	Traverse Creek	none	
Boundary	A93591	Granby River - North	RPA93591	
Boundary	A94326	Gloucester - South	R23498	
Boundary	TA0222	Rock Candy North	R23502	
Kootenay Lake	TA0393 (Blks 1,2,3 only)	Duncan West	KLR23786	
Kootenay Lake	TA1039	Murray Creek	KLR22823	
Kootenay Lake	TA1094	SE Holmes	KLR22825	
Kootenay Lake	TA1143	South Anchor	KLR22929	
Kootenay Lake	TA1144	Hart Creek		
Kootenay Lake	TA1471	Loki-Portman		KL7475.05PortmanExt KL7475.16Portman6800 KL7475.17Portman8400
Kootenay Lake	TA1474	Hawkins - West Yahk	KLR23066	
Kootenay Lake	TA1495	Hawkins - Canuck		
Kootenay Lake	TA1621	Elmer/Elmira	KLR23272	
Kootenay Lake	TA1992	Sproule Creek	KLR23644	FSR issuance underway
Kootenay Lake	TA1993	Murray Creek		FSR issuance underway
Kootenay Lake	TA2048	S. Hawkins; Br. 17		
Rocky Mountain	A92024	Premier/Sheep Creek		
Rocky Mountain	A92787	Peavine		
Rocky Mountain	A94610	Cedrus Creek		
Rocky Mountain	A95527	Bugaboo	RP issuance underway	
Rocky Mountain	A95529	Rocky Creek		
Rocky Mountain	A95530	Rocky Creek		

Rocky Mountain	TA0165	Mia Ridge		
Rocky Mountain	TA0166	Mark Creek		
Rocky Mountain	TA0549	Rocky Creek		
Rocky Mountain	TA0897	Rocky Creek	RP issuance underway	
Rocky Mountain	TA0900	Couldrey Creek	RP issuance underway	
Rocky Mountain	TA0901	Mark Creek		CR0252.72 Upper Sullivan Hill
Rocky Mountain	TA0902	Moscow	RP issuance underway	
Rocky Mountain	TA0903	Kindersley	R22470	
Rocky Mountain	TA1555	Fassiferne	RP issuance underway	
Rocky Mountain	TA1925	Kootenay Eastside FBB		
Rocky Mountain	TA2038	Picture Valley		

Table 7. Declared forest service roads.

FDU	Forest Service Road (FSR)	FSR Description
Kootenay Lake	Extension of FSR 8318.03	Lower Elmira Extension access to TA2088 Block 1 0.8km
Kootenay Lake	FSR 0077.68	Duncan Ridge 2500 access to TA1087 Block 1 1.7km
Kootenay Lake	FSR 0243.53	18 Branch 1700 access to HKE 029 1.1km
Kootenay Lake	FSR 10044.02	Murray Creek (Carryover construction from 2021) 2.8km
Kootenay Lake	FSR 10218.02	Sproule South access to TA1992 SMA 083 3.4km
Kootenay Lake	FSR 10218.03	Sproule East access to TA 1992 SMA 031 2.4km
Kootenay Lake	FSR 10218.04	Sproule 8000 access to TA1992 SMA 079 0.9km
Kootenay Lake	FSR 7475.19	Powder East access to LOK 010 1.1km
Kootenay Lake	FSR 7475.18	Loki Face access to LOK 011 1.1km
Kootenay Lake	FSR0243.42	Existing Freeman East access to TA2048 Block 2 2.1km

(The remainder of this page is purposefully blank.)

## **Appendix 6.5 (External) – WTR Management Guidance**

The following reference document is submitted as an accompanying document to this FSP. This document is not found within the body of this document; refer to the separate file.

Accompanying external documents:

### **Appendix 6.5 – Wildlife Tree Retention: Management Guidance (WTC 2006)**

(The remainder of this page is purposefully blank.)

## Appendix 6.8 – Designated Community Watersheds in Effect

The designated *community watersheds* covered by this FSP and in effect 4 months prior to the FSP submission are shown below in Table 8.

Table 8. Designated *community watersheds* within the applicable FDU.

Community Watershed Name	Water Source	Total Hectares	Trim Map	Date Designated
ARROW FDU				
Angel Community Watershed	Angel Creek	7.1	082K.004	15-Jun-95
Aylard Community Watershed	Aylard Creek	3.9	082K.004	15-Jun-95
Baerg Community Watershed	Baerg Creek	410.4	082K.012	15-Jun-95
Bartlett Community Watershed	Bartlett Creek	541	082F.094	15-Jun-95
Bath Community Watershed	Bath Creek	151	082F.013	15-Jun-95
Batys Community Watershed	Batys Creek	217.1	082K.063	15-Jun-95
Brouse Community Watershed	Brouse Creek	310.7	082K.022	15-Jun-95
Caribou Community Watershed	Caribou Creek	23734.6	082F.091	15-Jun-95
Casino Community Watershed	Casino Creek	202.5	082F.002	15-Jun-95
China Community Watershed	China Creek	2778.3	082F.022	15-Jun-95
Climax Community Watershed	Climax Creek	215.8	082F.073	15-Jun-95
Deer Community Watershed	Deer Creek	8136.3	082E.050	15-Jun-95
Dog Community Watershed	Dog Creek	1083.1	082K.012	15-Jun-95
Elgood Community Watershed	Elgood Creek	133.1	082F.011	15-Jun-95
Fruitvale Community Watershed	Fruitvale Creek	506.5	082F.013	15-Jun-95
Gander Community Watershed	Gander Creek	830.1	082F.042	15-Jun-95
Glade Community Watershed	Glade Creek	2979.4	082F.033	15-Jun-95
Gwillim Community Watershed	Gwillim Creek	7863.4	082F.073	15-Jun-95
Halfway Community Watershed	Halfway Creek	408.1	082K.022	15-Jun-95
Hanna Community Watershed	Hanna Creek	3384.4	082F.012	15-Jun-95
Heart Community Watershed	Heart Creek	2628	082E.090	15-Jun-95
Humphries Community Watershed	Humphries Creek	762.7	082K.063	15-Jun-95
Kelly Community Watershed	Kelly Creek	2391.4	082F.013	15-Jun-95
Kuskanax Community Watershed	Kuskanax Creek	34905.2	082K.032	15-Jun-95
Mads Community Watershed	Mads Brook	42.4	082F.022	15-Jun-95
Mcdermid Community Watershed	McDermid Creek	761.2	082F.042	15-Jun-95
Mcfayden Community Watershed	McFayden Creek	582.3	082F.052	15-Jun-95
Mcnally Community Watershed	McNally Creek	440.5	082F.012	15-Jun-95
Norns Community Watershed	Norns Creek	20242.9	082F.032	15-Jun-95
Petersen Community Watershed	Petersen Brook	82.7	082F.022	15-Jun-95
Quartz Community Watershed	Quartz Creek	589.4	082F.024	15-Jun-95
Rashdell Community Watershed	Rashdell Spring	12.3	082K.004	15-Jun-95
South Murphy Community Watershed	South Murphy Creek	279	082F.011	15-Jun-95
Springer Community Watershed	Springer Creek	4897.4	082F.073	15-Jun-95
Topping Community Watershed	Topping Creek-FR	2098.8	082F.012	15-Jun-95
West Little Sheep Community Watershed	W. Little Sheep Creek	422.8	082F.001	15-Jun-95
BOUNDARY FDU				
Brides Community Watershed	Brides Creek	279.4	082E.005	15-Jun-95
Mckinney Community Watershed	McKinney Creek	813.5	082E.005	15-Jun-95
Moody Community Watershed	Moody Creek	2039.1	082E.009	15-Jun-95
Overton Community Watershed	Overton Creek	371.9	082E.008	15-Jun-95
Sutherland Community Watershed	Sutherland Creek	9185.8	082E.009	15-Jun-95



KOOTENAY LAKE FDU				
Anderson Community Watershed	Anderson Creek	1308.7	082F.044	15-Jun-95
Arrow Community Watershed	Arrow Creek	7872.2	082F.018	15-Jun-95
Bird Community Watershed	Bird Creek	780.3	082F.043	15-Jun-95
Bjerkness Community Watershed	Bjerkness Creek	2499.3	082F.086	15-Jun-95
Blunt Community Watershed	Blunt Creek	7.3	082F.054	15-Jun-95
Bourke Community Watershed	Bourke Creek	127.8	082F.065	15-Jun-95
Bradley Community Watershed	Bradley Creek	324.7	082F.065	15-Jun-95
Brooks Community Watershed	Brooks Creek	5.4	082F.086	15-Jun-95
Cameron Community Watershed	Cameron Brook	88.9	082F.017	15-Jun-95
Camp Run Community Watershed	Camp Run Creek	6.4	082F.008	15-Jun-95
Clayton Community Watershed	Clayton Creek	11.6	082F.065	15-Jun-95
Davis Community Watershed	Davis Creek	6290.7	082K.016	15-Jun-95
Duck Community Watershed	Duck Creek	5195.9	082F.018	15-Jun-95
Duhamel Community Watershed	Duhamel Creek	5689.5	082F.054	15-Jun-95
Eagle Community Watershed	Eagle Creek	573.5	082F.044	15-Jun-95
Falls Community Watershed	Falls Creek	3381.7	082F.043	15-Jun-95
Five Mile Community Watershed	Five Mile Creek	4705.1	082F.054	15-Jun-95
Fletcher Community Watershed	Fletcher Creek	1450.7	082F.086	15-Jun-95
Floyd Community Watershed	Floyd Creek	1782.5	082F.008	15-Jun-95
Foster Community Watershed	Foster Creek	109.8	082F.054	15-Jun-95
Four Mile Community Watershed	Four Mile Creek	331.7	082F.054	15-Jun-95
Hansen Community Watershed	Hansen Brook	24	082F.076	15-Jun-95
Hendryx Community Watershed	Hendryx Creek	522.9	082F.076	15-Jun-95
Indian Community Watershed	Indian Creek	482.7	082F.076	15-Jun-95
Jarvis Community Watershed	Jarvis Creek	4.5	082F.054	15-Jun-95
Kemp Community Watershed	Kemp Creek	1179.5	082F.086	15-Jun-95
Kleef Community Watershed	Kleef Brook	60.4	082F.054	15-Jun-95
La France Community Watershed	La France Creek	5583.6	082F.057	15-Jun-95
Lockhart Community Watershed	Lockhart Creek	3735.3	082F.057	15-Jun-95
Longueval Community Watershed	Longueval Creek	3.9	082F.037	15-Jun-95
McDonald Community Watershed	McDonald Creek	217.9	082F.096	15-Jun-95
McGregor Community Watershed	McGregor Creek	383.7	082F.047	15-Jun-95
Mortimer Community Watershed	Mortimer Creek	50.9	082F.017	15-Jun-95
Procter Community Watershed	Procter Creek	825.2	082F.066	15-Jun-95
Rover Community Watershed	Rover Creek	4277.5	082F.043	15-Jun-95
Russell Community Watershed	Russell Creek	2350.2	082F.019	15-Jun-95
Sanca Community Watershed	Sanca Creek	10879.4	082F.037	15-Jun-95
Sandy Community Watershed	Sandy Creek	1213	082F.044	15-Jun-95
Selous Community Watershed	Selous Creek	1519.6	082F.044	15-Jun-95
Sitkum Community Watershed	Sitkum Creek	2702.8	082F.065	15-Jun-95
Smallwood Community Watershed	Smallwood Creek	1739.6	082F.043	15-Jun-95
Smoky Community Watershed	Smoky Creek	433.9	082F.043	15-Jun-95
South Blunt Community Watershed	South Blunt Creek	70.7	082F.054	15-Jun-95
South Rykert Community Watershed	South Rykert Creek	7.2	082F.008	15-Jun-95
Sullivan Community Watershed	Sullivan Creek	620.8	082F.018	15-Jun-95
Sutherland Community Watershed	Sutherland Creek	143.5	082F.054	15-Jun-95
Teetzel Community Watershed	Teetzel Creek	701.3	082F.007	15-Jun-95
The Rivulet Community Watershed	The Rivulet	10.4	082F.043	15-Jun-95
Twin Bays Community Watershed	Twin Bays Creek	1136.3	082F.037	15-Jun-95
Urmston Community Watershed	Urmston Creek	688.2	082F.007	15-Jun-95
Watts Community Watershed	Watts Brook	31.9	082F.043	15-Jun-95

ROCKY MOUNTAIN FDU				
Abel Community Watershed	Abel Creek	3489.2	082K.050	15-Jun-95
Boardman Community Watershed	Boardman Creek	215.1	082G.045	15-Jun-95
Boivin Community Watershed	Boivin Creek	5864	082J.006	15-Jun-95
Cold Spring Community Watershed	Cold Spring Creek	975.2	082J.031	15-Jun-95
Cummings Community Watershed	Cummings Creek	12287.2	082G.076	15-Jun-95
Fairy Community Watershed	Fairy Creek	2369.5	082G.055	15-Jun-95
Forster Community Watershed	Forster Creek	16616.4	082K.069	15-Jun-95
Glencairn Community Watershed	Glencairn Creek	576.2	082G.021	15-Jun-95
Gold Community Watershed	Gold Creek	9326	082G.032	15-Jun-95
Joseph Community Watershed	Joseph Creek	5812.8	082G.052	15-Jun-95
Kimberley Community Watershed	Kimberley Creek	1019.5	082G.061	15-Jun-95
Luxor Community Watershed	Luxor Creek	9287.6	082K.090	15-Jun-95
Macaulay Community Watershed	Macaulay Creek	1383.3	082K.070	15-Jun-96
Madias Community Watershed	Madias Creek	2434.6	082J.041	15-Jun-95
Mark Community Watershed	Mark Creek	11201.1	082G.061	15-Jun-95
Matthew Community Watershed	Matthew Creek	15360	082F.070	15-Jun-95
Miller Creek Community Watershed	Miller Creek	730.5	082G.005	6-Feb-01
Pye Community Watershed	Pye Creek	18.6	082J.021	15-Jun-95
Reserve Community Watershed	Reserve Creek	1077.4	082G.005	15-Jun-95
Sophy Community Watershed	Sophy Creek	890.2	082J.041	15-Jun-95
Tatley Community Watershed	Tatley Creek	1913.6	082J.031	15-Jun-95
Taynton Community Watershed	Taynton Creek	1454.9	082K.050	15-Jun-95

(The remainder of this page is purposefully blank.)

## **Appendix 8 (External) – Stocking Standards**

The following stocking standards are submitted as accompanying documents and are a legal component of this FSP. These stocking standards are not found within the body of this document; refer to the separate files.

Accompanying external documents:

**Appendix 8A - Selkirk Resource District South Columbia Default Stocking Standards – Version 1.0 (April 1, 2018)**

**Appendix 8B - Selkirk Resource District Wildland Urban Interface Default Stocking Standards – Version 1.0 (November 20, 2018)**

**Appendix 8C - Rocky Mountain Natural Resource District FSP Stocking Standards – Version 4.0 (August 22, 2014)**

**Appendix 8D - Rocky Mountain Forest District Partial Cutting Stocking Standards – Version 2.0 (April 1, 2010)**

(The remainder of this page is purposefully blank.)