BC Timber Sales

Kootenay Business Area

FOREST STEWARDSHIP PLAN #1030

2026 to 2031

Amendment 2

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

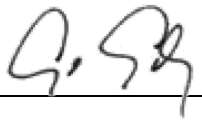
Table of Contents

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 6
2.6.2 FSP Specific Definitions 9
2.6.2 Section Specific Definitions 11
2.6.3 Acronyms 11
2.7 Purpose of the FSP and Other Initiatives 12
2.7.1 Government Objectives and Review 12
2.7.2 Review and Comment on Proposed Forest Development 12
2.7.3 Other Initiatives 13
3 FOREST DEVELOPMENT UNITS 14
4 RESULTS AND STRATEGIES 16
4.1 Soils 17
4.1.1 Soil Disturbance and Access Structures 17
4.1.2 Terrain Stability 20
4.1.3 Road Maintenance 24
4.1.4 Road Deactivation 27
4.1.5 Karst 30
4.2 Biodiversity Emphasis, Old and Mature Forest, and Connectivity Corridors 33
4.3 Water, Fish, Wildlife and Biodiversity within Riparian Areas 40
4.4 Wildlife and Biodiversity — Landscape Level, Green-up and ERDZ - Timber 46
4.5 Wildlife and Biodiversity — Stand Level 49
4.6 Wildlife 55
4.7 Fish Habitat in Fisheries Sensitive Watersheds 61
4.8 Water in Community Watersheds 64
4.9 Consumptive Use Streams 67
4.10 Visual Quality 70

4.11 Cultural Heritage Resources 74
4.12 Recreation Features 79
4.13 Fire Maintained Ecosystems 83
4.14 Social and Economic Stability 83
5 MEASURES 84
5.1 Measures to Prevent the Introduction or Spread of Invasive Plants 85
5.1.1 Invasive Plants 85
5.1.2 Road Revegetation 91
6 STOCKING STANDARDS 97
APPENDICES (EXTERNAL) 99

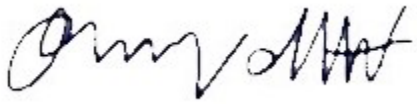
1 SIGNATURES

Signature of the Person Required to Prepare this FSP:



George Edney, RPF
Timber Sales Manager
Kootenay Business Area
Date: October 20, 2026

Signature and Seal of the BC Timber Sales Planning Officer:

	*"I certify that the work described herein fulfills the standards expected of a registrant of Forest Professionals British Columbia"*
Olivia Van Jarrett, RPF Planning Officer Kootenay Business Area Date: October 20, 2026	

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: BC Timber Sales - Province of British Columbia

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, 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. All appendices to this FSP are separate files. Appendices to this FSP are legally binding. Appendix amendment numbering corresponds to the applicable FSP amendment, so gaps in amendment numbering are purposeful.

2.5 Amendments

Table 1 tracks amendment to this FSP. As this FSP is amended, additional background information and details pertaining to amendments shall be attached as external appendices.

Table 1. Amendments to FSP #1030

March 2, 2026	Original	March 31, 2026	Olivia Van Jarrett	N/A
May 1, 2026	1		Olivia Van Jarrett	Minor spelling, grammatical and numbering changes to ensure clarity
October 20, 2026	2		Olivia Van Jarrett	Alternate VQO for areas requiring wildfire salvage

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, FPPR, and the OHS Regulation 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, FPPR, and the OHS Regulation, 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 measurable or verifiable steps or practices that will be carried out in respect of a particular established objective, and the situations or circumstances that determine where in a forest development unit the steps or practices will be applied

2.6.1.2 FPPR Definitions

excavated or bladed trail means a constructed trail that has

(a) an excavated or bladed width greater than 1.5 m, and

(b) a mineral soil cutbank height greater than 30 cm;

general wildlife measure means a general wildlife measure

(a) continued under section 182 *[general wildlife measures]* of the Act, or

(b) established under the Government Actions Regulation;

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)(e)

permanent access structure means an access structure in a cutblock that

(a) at the time of its construction, is reasonably expected to provide access for timber harvesting and other activities that are not wholly contained in the cutblock, or

(b) is constructed on or through, or contains, materials unsuitable for the establishment of a commercial crop of trees and is not an excavated or bladed trail,

but does not include an area that contained an access structure before rehabilitation of the area under section 36;

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;

resource feature means

(a) a recreation site, recreation trail, trail-based recreation area or interpretive forest site, or

(b) a resource feature identified under the Government Actions Regulation;

road prism means an area consisting of the road surface and any cut slope and road fill;

regionally important wildlife means a species of wildlife identified within a category established under the Government Actions Regulation;

sensitive soils means soils that, because of their slope gradient, texture class, moisture regime, or organic matter content have the following risk of displacement, surface erosion or compaction:

(a) for the Interior, a very high hazard;

(b) for the Coast, a high or very high hazard**;**

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;

soil disturbance means disturbance to the soil in the net area to be reforested in a cutblock because of

(a) temporary access structures,

(b) gouges, ruts and scalps, or

(c) compacted areas,

but does not include the effect on the soil of rehabilitating an area in accordance with section 35;

species at risk[1] means a species identified within a category established under the Government Actions Regulation;

specified ungulate species means an ungulate species identified within a category established under the Government Actions Regulation;

temporary access structure means an access structure that

(a) is in a cutblock, and

(b) does not conform to the criteria described in paragraph (a) or (b) of the definition of "permanent access structure"

and does not include a pit or quarry;

ungulate winter range means an ungulate winter range

(a) continued under section 180 (a) *[grandparenting specified designations]* of the Act, or

(b) established under the Government Actions Regulation;

ungulate winter range objective means an objective for ungulate winter range

(a) continued under section 181 *[grandparenting objectives]* of the Act, or

(b) established under the Government Actions Regulation;

wildlife habitat area means a wildlife habitat area

(a) continued under section 180 (b) *[grandparenting specified designations]* of the Act, or

(b) established under the Government Actions Regulation;

wildlife habitat area objective means an objective for a wildlife habitat area

(a) continued under section 181 *[grandparenting objectives]* of the Act, or

(b) established under the Government Actions Regulation;

wildlife habitat feature means a wildlife habitat feature identified under the Government Actions Regulation;

wildlife trees means a tree or group of trees that

(a) provide wildlife habitat, and

(b) assist in the conservation of stand level biodiversity;

2.6.1.3 OHS Regulations Section 1 Definitions

dangerous tree means a tree that is a hazard to a worker due to

(a) its location or lean,

(b) its physical damage,

(c) overhead conditions,

(d) deterioration of its limbs, stem or root system, or

(e) any combination of the conditions in (a) to (d);

[1]This definition excludes federally listed species at risk.

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"*** with double quotation marks.

"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"***.

*"**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"***.

"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..

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

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

"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.

"***measure***" means a specific step or course of action necessary to ensure that a measurable and verifiable

(A) FSP **result** is achieved,

(B) FSP **strategy** step is carried out, and/or

(C) FSP measure is conducted.

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

*"**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 a regulatory body under the Professional Governance Act which oversees a protected profession 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) For members of the Forest Professionals of BC, a list of guidelines is available in FPBC Bylaw 9 Schedule B and at the FPBC website.

(B) For members of the College of Applied Biology, a list of guidelines is available at the College of Applied Biology Website

(C) For members of Engineers and Geoscientists BC a list of guidelines is available at the Engineers and Geoscientists of BC website.

"professional quality rationale" means a written document which is consistent with the requirements of the ABCFP Guidance: Professional Quality Rationales(FPBC, 2021).

"*project plan*" means a Site Plan, Support Document, Silviculture Plan, Harvest Plan, TSL Document, Road Permit or Road Use Permit, including associated maps and subordinate operational documents, which has been prepared for a cutblock or road to which this FSP applies. (Note that an ***"agreement holder"*** cannot change a Site Plan prepared by the ***"TSM"***.)

"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 regulatory body under the Professional Governance Act, the individual will be either

(A) a registrant in good standing of the applicable regulatory body, or

(B) another person working under the ***"supervision"*** of 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 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.

"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 detailed in FPPR Sec. 82 and includes *'road rehabilitation'* (for definition refer to FSP Sec. 4.1.4, Sub-Section Specific Definitions).

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

"supervision" means direct oversight of an individual carrying out a professional practice regulated by a regulatory body under the Professional Governance Act, where that individual does not have authority to independently carry out the professional practice.

"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.

2.6.2 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'* with single quotation marks.

2.6.3 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

MOF: Ministry of Forests

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

2.7 Purpose of the FSP and Other Initiatives

The following three sub-sections are provided for context and the reader's information.

2.7.1 Government Objectives and Review

A FSP is a landscape-level plan that identifies how the holder of the plan will be consistent with government "***objectives"*** for managing and protecting forest and range values through the **results**, **strategies** and measures specified in the plan. The FSP also provides a vehicle to solicit and consider the expectations of the public and stakeholders and to consult with ***"First Nations"*** concerning the use of Crown land and resources. FSPs generally do not show the locations and details of proposed forest development (e.g. cutblocks and roads). The legal content and public review and comment requirements for a FSP are specified within the Forest Planning and Practices Regulation (FPPR).

Amendments to the FSP must also be carried out as per FRPA and FPPR requirements.

2.7.2 Review and Comment on Proposed Forest Development

2.7.2.1 BCTS Operating Plans

BCTS prepares Operating Plans which spatially identify proposed and existing forest development, access management information and silviculture regeneration/green-up status, as well as information about numerous resource features and values at a detailed scale. Although they are not a part of the legal FSP, Operating Plans are developed to be consistent with the FSP.

As amendments to FRPA are brought into force, BCTS will continue to comply with all legal requirements.

2.7.2.2 Forest Operations Maps

BCTS follows the Forest Operations Map (FOM) requirements of the Forest and Range Practices Act (FRPA) and FPPR to share information about proposed cutblocks and roads with the public.

Forest Operations Maps are advertised in newspapers so that the public is informed and is provided with a reasonable opportunity for review and comment. BCTS uses the Forest Operations Map online portal to allow the public to find, view, and comment on planned forestry operations.

Forest Operations Map review and comment periods are typically 30 days in length. Since the FOM requirement came into force, all forest development proposed by BCTS goes through the FOM process and written comments received are considered before the ***"TSM"*** authorizes "***timber harvesting"*** or ***"road construction".***

2.7.2.3 Major Road Deactivations

BCTS will post planned road deactivation of major roads on the Selkirk and Rocky Mountain District resource road safety information websites, (Selkirk Natural Resource District road safety information - Province of British Columbia) and (Rocky Mountain Natural Resource District road safety information - Province of British Columbia) and will post signage at the base of the road in question, a minimum of 3 months prior to the commencement of deactivation activities.

2.7.3 Other Initiatives

The main purpose and focus of this FSP is to demonstrate how BCTS will be consistent with government **"objectives"**. However, outside of the legal realm of the FSP, the BCTS Kootenay Business Area initiates, or participates in, a wide range of activities, planning, processes and initiatives that are directly related to the management of forest and range values. Many of these initiatives derive from, or influence, the commitments made in this FSP. Some of these external processes and initiatives include:

- Planning related to Site Plans, Harvest Plans and Silviculture Plans
- First Nations consultation processes and agreements (in addition to the FSP) Public and Stakeholder consultation (in addition to the FSP)
- Participation in FREP field reviews with District staff from District of Rocky Mountain or District of Selkirk, where assessments are completed in BCTS blocks and roads.
- Timber Supply Reviews (TSRs) https://www2.gov.bc.ca/gov/content/industry/forestry/managing-our-forest-resources/timber-supply-review-and-allowable-annual-cut
- Climate change action planning (provincially and locally) https://www2.gov.bc.ca/gov/content/environment/climate-change
- https://www2.gov.bc.ca/gov/content/industry/forestry/bc-timber-sales/sustainability/climate-change-strategy#climate_strategy
- Cumulative effects planning (provincial frameworks and locally) https://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/cumulative-effects-framework
- BCTS Safety Program and Safe Companies initiative https://www2.gov.bc.ca/gov/content/industry/forestry/bc-timber-sales/safety
- Sustainable Forest Management certification and Environmental Management System https://www2.gov.bc.ca/gov/content/industry/forestry/bc-timber-sales/forest-certification
- Development of professional practices guidance documents
- Provincial working groups (in various areas of forest management)

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 of 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#1030 Forest Development Units (FDUs), General Location Map

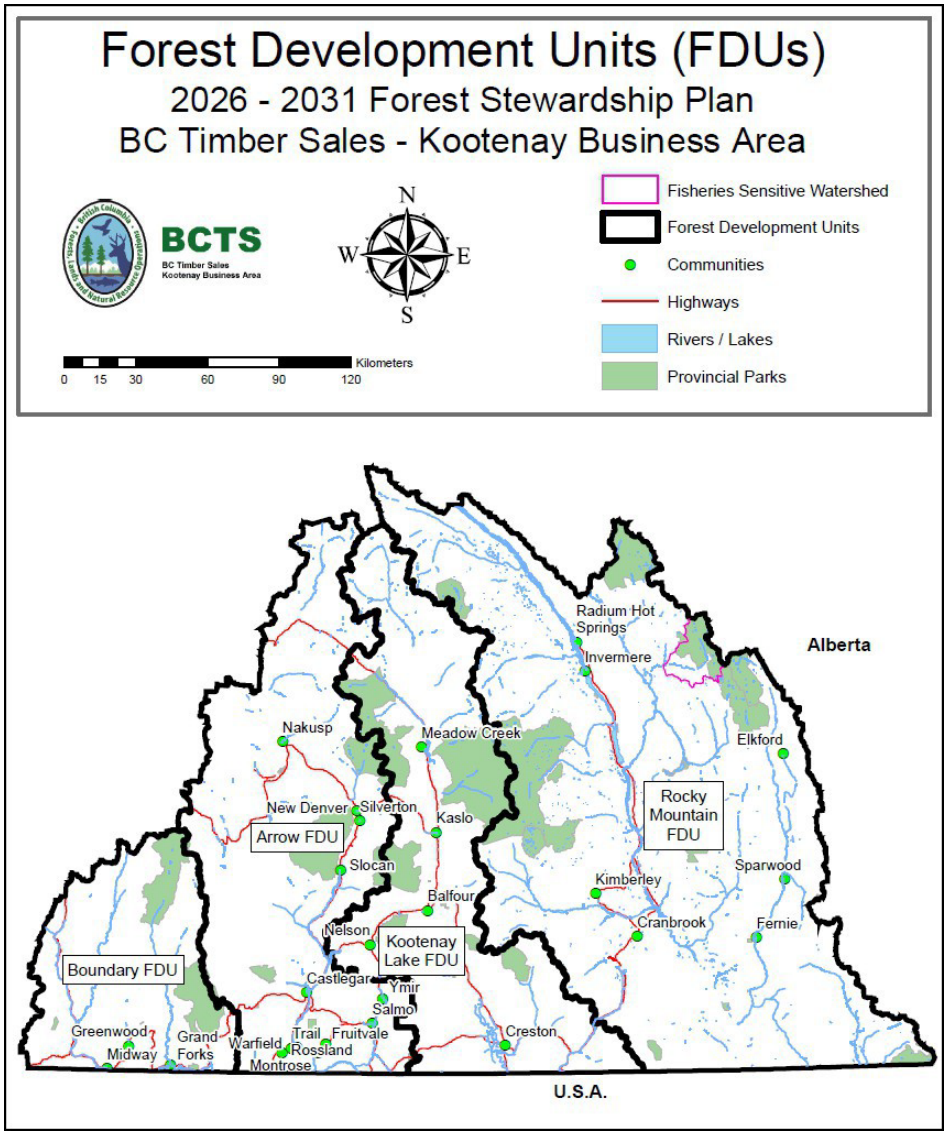


Table 2. FPPR Sec. 14(3) requirements and FDU map content.

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 the associated established visual quality objective.
(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 4.8.
(h) old growth management area,	Not applicable	The non-legal OGMAs present within the FDUs are not “old growth management areas” as per the FPPR definition; these non-legal OGMAs 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 Forest Tenures Administration (FTA).

4 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 ***"objectives"*** for which the **results** and **strategies** 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 **results** and **strategies** developed to address the ***"objectives"***. Herein, the **results** and **strategies** are delegated as being either the responsibility of the ***"TSM"*** or "***agreement holders"***. While the ***TSM*** 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 ***"agreement holders"***. The delegation of responsibilities under the FSP has been explicitly stated throughout the **results** and **strategies** to give clarity to both the ***"TSM"*** and ***"agreement holders"***. This will ultimately help ensure that the ***"objectives"*** will be achieved.

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

(The remainder of this page is purposefully blank.)

4.1 Soils

OBJECTIVES	
Applicable ***"objectives"***:	• FPPR Sec. 5 Objectives set by government for soils
Additional legal references:	• FPPR Sec. 12.1 (5) Exemptions — when undertaking given for compliance with specified regulations • FPPR Sec. 35 Soil disturbance limits • FPPR Sec. 36 Permanent access structure limits

4.1.1 Soil Disturbance and Access Structures

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

ASSESSMENT AND MANAGEMENT

(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) plan **primary forest activities** to be consistent with FPPR Sec. 35 (soil disturbance limits) and Sec. 36 (permanent access structure limits), considering the FPPR Schedule 1, Sec 1 factors related to the applicable "objective", such as:

(a) the amount of productive forest land base that will be occupied **by permanent access structures**; and

(b) the amount of **soil disturbance** within the **net area to be reforested**, having regard to

(i) the classification of soils based on their biological, physical and chemical properties, including their sensitivity to displacement, surface erosion and compaction,

(ii) the kinds of disturbance that are detrimental to productivity and hydrological function,

(iii) the amount of detrimental disturbance that can occur without unduly compromising productivity or hydrological function, and

(iv) the extent to which rehabilitation efforts can mitigate the effects of detrimental disturbance.

(2) undertake a soil hazard assessment to identify **sensitive soils** associated with the **net area to be reforested** of a cutblock, including an evaluation of **sensitive soils** using

(a) the MOF FS39A Silviculture Prescription Plot Card (Appendix 4.1A), or

(b) an alternative to the MOF FS39A form, as deemed a suitable alternative by a ***"qualified professional"***,

(2) where **sensitive soils** are identified, prescribes ***"measures"***, such as restrictions to the appropriate season, timing window, or weather conditions, during which primary forest activities may be carried out, where and to the extent necessary to mitigate the hazard,

(3) where the **sensitive soils** identified include a very high soil erosion hazard, prescribes ***"measures"*** to manage fine sediment accumulation along roads (prioritizing FPPR Sec. 47 classified **stream** and non-classified drainage crossings), where and to the extent necessary to mitigate the hazard.

(1) where a soil hazard assessment identifies ***"measures"*** necessary to protect sensitive soils, prescribe the "measures" identified.

DOCUMENTATION

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

(a) ***"assessments"*** undertaken,
(b) **sensitive soils** identified,
(c) **permanent access structures** and **permanent access structure** limits,
(d) **temporary access structures** and **soil disturbance** limits, and
(e) ***measures"*** prescribed,
(f) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(5) 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 subsection will be achieved.

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

SUPPLEMENTAL REVEGETATION OF SENSITIVE SOILS WITH A VERY HIGH SOIL EROSION HAZARD

(6) 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) as documented within a ***"project plan"***, where a soil hazard assessment identified soils with a very high soil erosion hazard within a cutblock,

(a) procure a high-quality seed mix comprising

(i) preferably a site-specific mix recommended by a provincial Ministry range specialist or other specialist ***"qualified professional",*** if available, or,

(ii) a mix meeting or exceeding the grade of Canada Certified No. 1 Forage Mixture or Common No. 1 Forage Mixture, including a certificate of analysis, from a seed provider verifying those seeds in a seed mix conform to the standards of Canada Certified No. 1 Forage Mixture or Common No. 1 Forage Mixture.

(b) revegetate road exposed mineral soils, including mineral soils resulting from ***"road construction"*** and ***"road deactivation"*** that are in the cut and fill slopes along

(i) new permanent maintained roads, and

a. new permanent deactivated roads;

b. rehabilitated roads outside of the net area to reforest

c. existing permanent maintained roads, and existing deactivated roads;

(ii) landings, and

(iii) roadside work areas.

even where these are part of the **net area to be reforested (NAR)**, to mitigate the erosion hazard, by

(i) applying a high-quality seed mix or establishing vegetative cover greater than 50% ground cover on all areas greater than 0.01 hectares.

(ii) where dry seeding is being undertaken, applying at a rate of 30-50 kilograms per hectare, and

(iii) carrying out the activity no later than 12 months following the formation of road exposed mineral soils,

with the primary consideration regarding the timing at which the revegetation is carried out being a time that, in the opinion of a ***"qualified professional"***, will provide a highly favorable opportunity for the high quality seed mix to germinate and establish where it is being applied, as the timing is ***"practicable"*** within the term of the ***"agreement"*** applicable to the ***"project plan"***.

4.1.2 Terrain Stability

Additional Information:	It is the role of the Registered Professional Forester (RPF) signing the Site Plan to prescribe ***"measures"*** to limit or prohibit **primary forest activities** under Strategy (1)(2) below. The signing RPF will rely on guidance from the ***"TSM"*** and on recommendations from other ***qualified professionals*** (obtained through the completion a terrain assessment and the application of the TKO terrain stability management model*)*, however it is the role of the signing RPF to formalize the prescription of necessary ***"measures"*** in a ***"project plan"***.

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

ASSESSMENT AND MANAGEMENT

(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) undertake a preliminary review to determine if a terrain assessment is required as per 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 (refer to Appendix 4.1B – TKO Terrain Stability Management Model), which

(a) applies the 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)***,*** and

(2) where the model identifies ***"measures"*** to protect a *'high value element'* or *'soil conservation at risk',* prescribe *"**measures**".* (e.g. limitations to **harvest** methods, prohibitions to **excavated or bladed trail** construction or ***"road construction"***, and limitations to **soil disturbance**).

DOCUMENTATION

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

(a) ***"assessments"*** undertaken,
(b) ***"measures"*** prescribed (to limit or prohibit **primary forest activities**),
(c) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

NEW EXCAVATED OR BLADED TRAIL OR ROAD CONSTRUCTION BY AN AGREEMENT HOLDER, WHERE PRIMARY FOREST ACTIVITIES ARE LIMITED OR PROHIBITED

(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, and where the ***"TSM"*** is informed by an ***"agreement holder"*** that the ***"agreement holder"*** will construct an **excavated or bladed trail** or road under **strategy** (6)(3), for the area associated with that cutblock or road:

(1) where the ***"measures"*** identified in the ***"assessment"*** do not require a change to a site 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"***,
(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"***.

(2) where the ***"measures"*** identified in the ***"assessment"*** require a change to a site plan, revise the site plan, following **strategies** (1) and (2) under this section of the FSP.

NEW EXCAVATED OR BLADED TRAIL OR ROAD CONSTRUCTION BY AN AGREEMENT HOLDER, WHERE PRIMARY FOREST ACTIVITIES ARE NOT LIMITED OR PROHIBITED

(4) The ***"TSM"*** shall, when an ***"agreement holder"*** is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, and where the ***"TSM"*** is informed by an ***"agreement holder"*** that the ***"agreement holder"*** will construct an **excavated or bladed trail** or road under **strategy** (7)(3), for the area associated with that cutblock or road:

(1) where the ***"measures"*** identified in the ***"assessment"*** do not require a change to a site 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"***,
(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"***.

(2) where the ***"measures"*** identified in the ***"assessment"*** require a change to a site plan, revise the site plan, following **strategies** (1) and (2) under this section of the FSP.

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(5) 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"***, conduct **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.

NEW EXCAVATED OR BLADED TRAILS AND ROADS, WHERE PRIMARY FOREST ACTIVITIES ARE LIMITED OR PROHIBITED

(6) An ***"agreement holder"*** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and where **primary forest activities** have been limited or prohibited in a ***"project plan"*** under **strategy** (1), for the area associated with that cutblock or road:

(1) where an **excavated or bladed trail** or road that was not previously identified in a ***"project plan"*** is proposed, undertake a terrain assessment.

(2) where a terrain assessment completed under (1) above identifies that the construction of an **excavated or bladed trail** or road that was not previously identified in a ***"project plan"*** would increase the overall level of risk, versus the level of risk ***"documented"*** in the ***"project plan"***, inclusive on any ***"measures"*** identified in the ***"assessment"***, not construct the **excavated or bladed trail** or road.

(3) where a terrain assessment completed under (1) above identifies that the construction of an **excavated or bladed trail** or road that was not previously identified in a ***"project plan"*** will not increase the overall level of risk, versus the level of risk ***"documented"*** in the ***"project plan"***, inclusive on any ***"measures"*** identified in the ***"assessment"***, construct the **excavated or bladed trail** or road only after:

(a) where the ***"measures"*** identified do not require a change to a site plan

(i) incorporating the ***"measures"*** identified under (3) above as prescribed requirements of the ***"project plan"***,

(ii) ***"documenting"*** the ***"assessments"*** undertaken and ***"measures"*** prescribed, and

(iii) informing the ***"TSM"*** of the change to the ***"project plan"***; or

(b) where the ***"measures"*** identified require a change to a site plan

(i) informing the ***"TSM"*** of the ***"assessments"*** undertaken,

(ii) working with the ***"TSM"*** to revise the site plan, following **strategies** (1) and (2) under this section of the FSP, and

(iii) receiving a revised site plan.

NEW EXCAVATED OR BLADED TRAILS AND ROADS, WHERE PRIMARY FOREST ACTIVITIES ARE NOT LIMITED OR PROHIBITED

(7) An ***"agreement holder"*** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and where **primary forest activities** have not been restricted in a ***"project plan"*** under **strategy** (1), for the area associated with that cutblock or road:

(1) where an **excavated or bladed trail** or road that was not previously identified in a ***"project plan"*** is proposed, undertake a preliminary assessment to determine if a terrain assessment is required as per the Terrain Stability Management Model.

(2) where a terrain assessment completed under (1) above identifies that the construction of an **excavated or bladed trail** or road that was not previously identified in a ***"project plan"*** will put at risk a ***"FRPA value"***, a *'high value element'* or *'soil conservation',* to a level that the TKO terrain stability management model requires the ***"TSM"*** to prepare an additional rationale to proceed with the **primary forest activities**, inclusive on any ***"measures"*** identified in the ***"assessment"***, not construct the **excavated or bladed trail** or road.

(3) where the terrain assessment completed under (1) above identifies that the construction of an **excavated or bladed trail** or road that was not previously identified in a ***"project plan"*** will not put at risk a ***"FRPA value"***, a *'high value element'* or *'soil conservation',* to a level that the TKO terrain stability management model requires the ***"TSM"*** to prepare an additional rationale to proceed with the **primary forest activities,** inclusive on any ***"measures"*** identified in the ***"assessment"***, construct the **excavated or bladed trail** or road only after:

(a) where the ***"measures"*** identified do not require a change to a site plan

(i) incorporating the ***"measures"*** identified under (3) above as prescribed requirements of the ***"project plan"***,

(ii) ***"documenting"*** the ***"assessments"*** undertaken and ***"measures"*** prescribed, and

(iii) informing the ***"TSM"*** of the change to the ***"project plan"***; or

(b) where the ***"measures"*** identified require a change to a site plan

(i) informing the ***"TSM"*** of the ***"assessments"*** undertaken,

(ii) working with the ***"TSM"*** to revise the site plan, following **strategies** (1) and (2) under this section of the FSP, and

(iii) receiving a revised site 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"***.

'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.

4.1.3 Road Maintenance

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

ROAD MAINTENANCE RESPONSIBILITY AND PLANS

(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 and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

(1) identify roads and other roads for which an ***"agreement holder"*** will be assigned 'road maintenance responsibility' (as designated in FPPR Sec. 79).

(2) where an ***"agreement holder"*** is assigned road maintenance responsibility for a road or other road, oblige an ***"agreement holder"*** to

(a) prepare a road maintenance plan, including ***"measures"*** determined necessary by a ***"qualified professional"*** for

(i) routine road maintenance, including 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,

e. where material is eroded from the road prism, prevent the material from entering a natural watercourse, and

f. direct road surface drainage to stable slopes, and

(ii) supplementary road maintenance, including to:

a. install back-up cross ditches at culvert locations,

b. install surface water bars between culvert locations, and

c. carry out these activities

- upon completion of industrial use, and/or
- during periods of non-industrial use, and/or
- when precipitation is occurring in an amount causing erosion of surface material.

(b) complete a statement of road conformance*,* meaning either

(i) the form found in Appendix 4.1C - Statement of Road Conformance, or

(ii) a similar document consistent with the ***"professional practice guidelines",*** deemed acceptable by the ***"TSM"***.

DOCUMENTATION

(2) 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 and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

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

(a) roads or other roads for which an ***"agreement holder"*** has been assigned road maintenance responsibility,
(b) obligations of an ***"agreement holder"*** to

(i) prepare a road maintenance plan,
(ii) complete a statement of road conformance*;* and

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

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

REQUEST OF A STATEMENT OF ROAD CONFORMANCE

(3) The ***"TSM"*** may, where an ***"agreement holder"*** has completed conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road, or other road:

(1) request from an ***"agreement holder"*** a statement of road conformance*.*

UPDATES TO ROAD MAINTENANCE RESPONSIBILITIES

(4) The ***"TSM"*** shall, when an agreement holder is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road, or other road:

(1) where the "***TSM"*** identifies that good forest stewardship would be better served by a change in road maintenance responsibilities, based on newly available information, revise the roads for which an ***"agreement holder"*** has be assigned road maintenance responsibilities.

a) These responsibilities are designated obligations with respect to

(i) FPPR Sec. 79 (road maintenance),

(ii) routine road maintenance, and supplementary road maintenance as described in section (1).

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

(a) updated roads or other roads for which an ***"agreement holder"*** has been assigned road maintenance responsibility,
(b) obligations of an ***"agreement holder"*** to

(i) prepare a road maintenance plan,
(ii) complete a statement of road conformance*;* and

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

(3) provide the updated ***"project plan"*** to an ***"agreement holder"***.

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(5) An ***"agreement holder"*** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other 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 or other road,

(a) prepare and carry out the road maintenance plan*,* and
(b) prepare a statement of road conformance after the road maintenance plan has been carried out.

PROVISION OF A STATEMENT OF ROAD CONFORMANCE

(6) An ***"agreement holder"*** shall, upon completion of **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

(1) where requested by the ***"TSM",*** provide a copy of the statement of road conformance to the ***"TSM"***.

4.1.4 Road Deactivation

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

ROAD DEACTIVATION RESPONSIBILITY AND PLANS

(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 and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

(1) identify roads and other roads for which an ***"agreement holder"*** will be assigned road deactivation responsibility (as designated in FPPR Sec. 82)

(2) where an ***"agreement holder"*** is assigned road deactivation responsibility for a road or other road, oblige an ***"agreement holder"*** to***:***

(a) prepare a road deactivation plan, prepared by a ***"qualified professional"*** as defined within the "professional practice guidelines" (at time of FSP approval, meaning specifically the Guidelines for Professional Services in the Forest Sector – Forest Roads 2.0, FPBC & EGBC 2024), and

(b) complete a statement of road conformance, meaning:

a. the form found in Appendix 4.1C - Statement of Road Conformance, or

b. a similar document consistent with the ***"professional practice guidelines"***, deemed acceptable by the ***"TSM"***.

DOCUMENTATION

(2) 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 and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

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

(a) roads or other roads for which an ***"agreement holder"*** has been assigned road deactivation responsibility,
(b) obligations of an ***"agreement holder"*** to

(i) prepare a road deactivation plan, and
(ii) complete a statement of road conformance; and

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

(2) provide the "project plan" to an "agreement holder".

REQUEST OF A STATEMENT OF ROAD CONFORMANCE

(3) The ***"TSM"*** shall, where an ***"agreement holder"*** has completed conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

(1) request from an ***"agreement holder"*** a statement of road conformance.

UPDATES TO ROAD DEACTIVATION RESPONSIBILITIES

(4) The ***"TSM"*** shall, when an agreement holder is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road, or other road:

(1) where the "***TSM"*** identifies that good forest stewardship would be better served by a change in road deactivation responsibilities, based on newly available information, revise the roads or other roads for which an ***"agreement holder"*** has be assigned road deactivation responsibilities, meaning designated obligations with respect to FPPR Sec. 82 (road deactivation).

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

(a) updated roads or other roads for which an ***"agreement holder"*** has been assigned road deactivation responsibility,
(b) obligations of an ***"agreement holder"*** to

a. prepare a road deactivation plan,
b. complete a statement of road conformance*;* and

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

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(5) An ***"agreement holder"*** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

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

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

(a) prepare *and* carry out the road deactivation plan, and
(b) prepare a statement of road conformance after the road deactivation plan has been carried out.

PROVISION OF A STATEMENT OF ROAD CONFORMANCE

(6) An ***"agreement holder"*** shall, upon completion of **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

(1) where requested by the ***"TSM",*** provide a copy of the statement of road conformance to the ***"TSM"***.

SUB-SECTION SPECIFIC DEFINITIONS

'road rehabilitation' means

(A) removal of all culverts,

(B) decompaction of the roadbed,

(C) recontouring of the **road prism** to its original slope profile, and

(D) where identified as necessary by a ***"qualified professional"***,

(I) the construction of swales on the re-contoured surface to re-establish drainage at natural drainage features, where the intent of slope recontouring is to restore natural subsurface drainage patterns as much as ***"practicable"*** in order to limit down slope hydrological effects of the road drainage systems, and

(II) any other ***"measure"*** necessary to comply with the **"*professional practice guidelines*"** (at time of FSP approval, meaning specifically the Guidelines for Professional Services in the Forest Sector – Forest Roads 2.0, FPBC & EGBC 2024).

(The remainder of this page is purposefully blank.)

4.1.5 Karst

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

TRAINING, RECORD KEEPING AND PROVIDING CHANCE FIND TRAINING PACKAGES

(1) The ***"TSM"*** shall, throughout the term of this FSP:

(1) maintain karst awareness training guidance related to the identification and management strategies for karst, that is prepared and maintained by a "qualified professional", and

(2) a karst chance-find training package of summary guidance, based on the 'karst awareness training' for ***"contractors"*** and ***"agreement holders"***

(3) deliver and ***"record"*** the provision of karst awareness training to BCTS staff.

(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.

(4) provide a karst chance find training package to ***"contractors"*** and ***"agreement holders"***.

ASSESSMENT AND MANAGEMENT

(2) 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) undertake a karst assessment, which

(a) follows the contemporary karst awareness training

(b) identifies karst potential, within or adjacent to a planned cutblock and/or road, utilizing information where available from the contemporary DataBC Reconnaissance Karst Potential Mapping (available at Reconnaissance Karst Potential Mapping - Datasets - Data Catalogue),

(c) identifies field-identified karst, within or adjacent to a planned cutblock and/or road, during the course of

(i) normal forestry field work, and/or

(ii) normal **primary forest activities,**

(d) where a cutblock and/or road is within or adjacent to an area mapped by the contemporary DataBC Reconnaissance Karst Potential Mapping as having

(i) primary karst likelihood, and
(ii) high karst development intensity,

engage a karst specialist who has verified experience in karst geomorphology to contribute to the karst assessment,

(e) where field-identified karst is discovered within or adjacent to a planned cutblock and/or road, engage a karst specialist to contribute to the karst assessment, and

(f) follows existing karst management strategies and measures to identify, where necessary, ***"measures"*** to protect the karst. These include strategies and measures identified in guidance documents such as:

(i) the Ministry of Forests "Karst Management Handbook for British Columbia" (May 2003)

(ii) the Ministry of Forests "Land Management Handbook 66, Chapter 11: Karst Geomorphology, Hydrology and Management",

(iii) The Karst Inventory Standards and Vulnerability Procedures for British Columbia, Version 2, January 2003.

(iv) the Ministry of Forests "Karst in British Columbia: A Complex Landscape Sculpted by Water", and

(v) existing reports prepared by "qualified professionals".

(2) where a karst assessment identifies ***"measures"*** necessary to protect karst, prescribe the ***"measures"*** identified in the karst assessment.

DOCUMENTATION

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

(a) karst identified within or adjacent to cutblocks or roads,
(b) ***"measures"*** prescribed, and
(c) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

CHANCE FIND PROCEDURE

(4) The ***"TSM"*** shall, when an ***"agreement holder"*** is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, and where the ***"TSM"*** is informed by an ***"agreement holder"*** that new field-identified karst (that was not previously identified in a ***"project plan"***) was discovered by the ***"agreement holder"*** during the course of normal **primary forest activities**, for the area associated with that cutblock or road:

(1) where the ***"measures"*** identified in the ***"assessment"*** do not require a change to a site 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"***,
(ii) new ***"measures"*** prescribed by the ***"agreement holder"***,
(iii) new responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

(2) where the ***"measures"*** identified in the ***"assessment"*** require a change to a site plan, revise the site plan, following **strategies** (2) and (3) under this section of the FSP.

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(5) 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.

CHANCE FIND PROCEDURES

(6) 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) during the course of normal **primary forest activities,** identify new field-identified karst discovered on or within a cutblock or road covered under the ***"project plan"*** (following the *'karst chance find training package')**.***

(2) where new field-identified karst is discovered under (1) above,

(a) stop work to the degree necessary to protect the karst (following the karst chance find training package*)*,
(b) incorporate the karst into a *karst assessment.*

(3) where a karst assessment identifies ***"measures"*** necessary to protect karst*,* and those ***"measures"*** do not require a change to a site plan,

(a) prescribe the ***"measures"*** identified in the karst assessment,
(b) ***"document"*** in a ***"project plan"***

(i) ***"assessments"*** undertaken,
(ii) karst identified, and
(iii) ***"measures"*** prescribed; and

(c) inform the ***"TSM"*** of the change to the ***"project plan"***.

(4) where a karst assessment identifies ***"measures"*** necessary to protect karst*,* and those ***"measures"*** require a change to a site plan, only carry out the ***"measures"*** after

(a) informing the ***"TSM"*** of the ***"assessments"*** undertaken,
(b) working with the ***"TSM"*** to revise the site plan, following **strategies** (2) through (4) under this section of the FSP, and
(c) receiving a revised site plan.

4.2 Biodiversity Emphasis, Old and Mature Forest, and Connectivity Corridors

OBJECTIVES	
Applicable ***"objectives"***:	• KBHLPO Objective 1 Biodiversity Emphasis • KBHLPO Objective 2 Old and Mature Forest • KBHLPO Objective 5 Grizzly Bear Habitat and Connectivity Corridors
Additional legal references:	• None
Additional information:	KBHLPO Objective 5 Grizzly Bear Habitat and Connectivity Corridors: Mapping has not been completed for grizzly bear habitat therefore this portion of the objective has not been activated. Remaining portions of the ***"objective"*** have been incorporated into this section of the FSP. Old growth management areas: Despite the detailed strategies below, BCTS's intent is to avoid incursions into '*OGMA's* and stands over 250-years-old.

RESULTS AND STRATEGIES
RESPONSIBILITIES OF THE TSM REFERRAL, ASSESSMENT, AND MANAGEMENT OF OLD FOREST AND MATURE-PLUS-OLD FOREST

(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) plan **primary forest activities** to comply with KBHLPO Objective 1, Objective 2, and Objective 5.

(2) where a cutblock is located within a '*landscape unit/BEC zone combination'* and/or connectivity corridor (as specified and mapped within the KBHLPO) that is shared with another ***"forest licensee"***, send a ***"referral"*** to the ***"forest licensee"*** at the initial planning and design stage for cutblock development.

(3) where a ***"forest licensee"*** does not respond to a ***"referral"*** sent under (2) above, re-confirm the contact information for the ***"forest licensee"***, and if needed re-send ***"referral"***

(4) where a ***"forest licensee"*** responds to a ***"referral"***, make all reasonable efforts to exchange information with the ***"forest licensee"*** to ensure that the applicable ***"objectives"*** will be achieved.

(5) where a cutblock is located within a '*landscape unit/BEC zone combination'* with an *'old forest target'*, undertake an old forest assessment to plan **primary forest activities** to comply with the applicable ***"objectives"***.

(a) where a cutblock is located within the Selkirk Forest District, follows Method 1 as described within the KBHLPO Biodiversity Reporting Suite Guidance Document (Appendix 4.2A), which means:

(i) adopts '*OGMAs*' as surrogates towards meeting '*old forest targets'*, where the entire area of crown forest land base contained within an *'OGMA'* will be considered *'old forest'*, irrespective of actual stand age,

(ii) utilizes the contemporary shared Reporting Suite to track 'old forest targets',

(iii) managed to the 2/3 draw-down target for *'old forest'*, will include in the ***"assessment"***

a. a recruitment strategy detailing how the full *'old forest target*' will be met at the end of three rotations, and

b. a commitment to not harvest below the applicable 2/3 draw-down '*old forest target*', and

(iv) where a cutblock is located within a *'landscape unit/BEC zone combination'* where the contemporary shared Reporting Suite indicates that the '*old forest target*' remains in deficit even after the adoption of areas under (i) above, includes in the ***"assessment"*** a recruitment strategy (following the method described in section 4.b.1 of Appendix 4.2A) detailing how additional '*old forest*' will be managed to meet the 'old forest target', and commits the "TSM" to not harvest a cutblock within the 'old forest' identified under (1) above until a subsequent old forest assessment indicates that the additional 'old forest' identified is no longer required to address a deficit relative to the 'old forest target';

(b) where a cutblock is located within the Rocky Mountain District, until such a time as the District Manager provides updated guidance as to how 'old forest targets' shall be tracked and evaluated, will follow the method outlined under (a) above for the Selkirk Forest District, except that BCTS developed tables will be utilized in place of the shared Reporting Suite under (a)(iii) to track 'old forest targets', and

(c) identifies "measures", where necessary and to the extent required, to ensure compliance with strategy (1).

(6) where a cutblock is located within a '*landscape unit/BEC zone combination'* with a *'mature-plus-old forest target'*, undertake a mature-plus-old forest assessment to plan **primary forest activities** to comply with the applicable ***"objectives"***.

(i) where a cutblock is located within a low biodiversity emphasis area and the contemporary shared Reporting Suite indicates that the area is being where a cutblock is located within the Selkirk Forest District, follows Method 1 as described within the KBHLPO Biodiversity Reporting Suite Guidance Document (Appendix 4.2A), which means:

(i) first, adopts *'OGMAs'* as surrogates towards meeting an 'old forest target', where the entire area of crown forest land base contained within an '*OGMA'* will be considered 'old forest', irrespective of actual stand age,

(ii) second, adopts *'old forest'* and/or '*mature forest*' within '*parks*' (both inside and outside of connectivity corridors) towards meeting an additional '*mature forest target*',

(iii) third, adopts 'old forest' and/or 'mature forest' within connectivity corridors (where slopes are less than 80%) towards meeting an additional 'mature forest target', giving additional preference to utilizing inoperable forest over operable forest,

(iv) utilizes the contemporary shared Reporting Suit to track 'mature-plus-old forest targets',

(v) where a cutblock is located within a low biodiversity emphasis area and the contemporary shared Reporting Suite indicates that the area is being managed to the 2/3 draw-down 'old forest target', will include in the "assessment"

a. a recruitment strategy detailing how the full 'old forest target' will be met at the end of three rotations, and

b. a commitment to not harvest below the applicable 2/3 draw-down 'old forest target'; and

(vi) where a cutblock is located within a *'landscape unit/BEC zone combination'* where the contemporary shared Reporting Suite indicates that the 'old forest target' and/or 'mature forest target' remains in deficit even after the adoption of areas under (i) through (iii) above,

a. includes in the "assessment" a step-down recruitment strategy (following the method described in section 5.b.1 of Appendix 4.2A) detailing how additional 'old forest' and/or 'mature forest' will be managed to meet the 'old forest' and/or 'mature forest target', and

b. commits the "TSM" to not harvest a cutblock within the 'old forest' and/or 'mature forest' identified under (1) above until a subsequent 'mature- plus-old forest assessment' indicates that the additional 'old forest' and/or 'mature forest' identified is no longer required to address a deficit relative to the 'mature-plus-old forest target';

(b) Where a cutblock is located within the Rocky Mountain District, until such a time as the District Manager provides updated guidance as to how 'old forest targets' and 'mature forest targets' shall be tracked and evaluated, will follow the method outlined for the Selkirk Forest District under (a) above, except that

(i) BCTS developed tables will be utilized in place of the shared Reporting Suite under (a)(iii) to track 'mature-plus-old forest targets', and

(ii) BCTS in Rocky Mountain District will track and evaluate aspatial 'old forest targets' and 'mature forest targets' in shared landscape units to a target proportional to the percentage of BCTS operating area within the shared landscape unit and 'landscape unit/BEC combination'.

(c) identifies "measures", where necessary and to the extent required, to ensure compliance with strategy (1).

(7) where an old forest assessment identifies ***"measures"*** necessary to ensure compliance with this **strategy**, prescribe the ***"measures"*** identified in the old forest assessment.

(8) where a mature-plus-old forest assessment identifies ***"measures"*** necessary to ensure compliance with this **strategy**, prescribe the ***"measures"*** identified in the mature-plus-old forest assessment.

(9) where an old forest assessment identifies polygons identified in the Vegetation Resource Inventory (VRI) to be over 250 years, *and* a field-based '*age class 9 assessment*' verifies that the age of the polygon is over 250-years-old, plan **primary forest activities** to avoid these VRI polygons.

INCURSIONS INTO OLD GROWTH MANAGEMENT AREAS AND VRI POLYGONS OVER 250 YEARS

(2) 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) not plan **primary forest activities**, except for an *incursion* within an '*old growth management area (OGMA)'* or over 250-year-old VRI polygon for one or more of the following reasons, and limited to the extent required by the reasons:

(a) to address 'safety hazards' within the *'OGMA'* or over 250-year-old VRI polygon, other than where the 'safety hazard' relates to the management of a single dangerous tree,

(b) to remove trees impacted by wind, fire, or forest health factors within the *'OGMA'*, or over 250-year-old VRI polygon where the '*OGMA'* or over 250-year-old VRI polygon has been damaged to a degree that it no longer has the biological value of 'old forest' as evaluated through an existing '*OGMA*' assessment,

(c) to remove only windthrown trees within the '*OGMA*' or over 250-year-old polygon that are a potential source to cause epidemic insect spread, such as situations where the windthrown trees within the '*OGMA'* or over 250-year-old VRI polygons are:

(i) spruce or Douglas-fir species,

(ii) have been down for 3 years or less, and

(iii) in the opinion of a "qualified professional", located sufficiently close to an area where a bark beetle infestation, affecting spruce or Douglas-fir, is active beyond endemic levels, such that the windthrown trees will be a target for beetle attack.

and/or

(d) to address operational constraints, meaning locating roads, tail holds, guy line tiebacks, designated trails or yarding corridors within an '*OGMA'* or over 250-year-old VRI polygon where there is

(i) no other "practicable" option without an incursion, or

(ii) another option would result in a greater risk to one or more "FRPA values"; and

(iii) the interpretation of the reasons under (A) above will align with any applicable official guidance provided by the District Manager, Regional Executive Director, or the Chief Forester

(2) where an incursion is planned within an '*OGMA'* undertake an existing *OGMA* assessment*,* meaning a field-based assessment that evaluates the '*OGMA'* against the requirements of KBHLPO Objective 2 (5), utilizing

(a) the Old Growth Scorecards (Appendix 4.2B) and the Guidance for Subscript k (Appendix 4.2C)., and,

(3) where an incursion is planned within an '*OGMA'* or over 250-year-old VRI polygon, undertake an '*OGMA*' replacement assessment that evaluates a replacement area for an '*OGMA*' or over 250-year-old VRI polygon against the following criteria:

(a) the replacement area is at least the same area as the incursion,

(b) selection of the replacement area prioritizes either

(i) ancient forests, remnant or big-treed old forest, and/or

(ii) other valuable or at-risk ecosystems, as identified by a ***'qualified professional'*** over other suitable replacement candidates.

(c) the replacement area is within the same 'landscape unit/BEC zone combination', and where possible, site series as the incursion,

(d) the replacement area exhibits biological value that is greater than or equal to that of the incursion it is replacing, as evaluated through a field-based "assessment" using the Old Growth Scorecards (Appendix 4.2B) and the Guidance for Subscript K (Appendix 4.2C)

(e) establishment of the replacement area aligns with any other applicable official guidance provided by the District Manager, Regional Executive Director, or the Chief forester,

(f) where the replacement area is less than 2.0 hectares, the replacement area is attached to an existing '*OGMA* 'and

(g) where the replacement area is greater than or equal to 2.0 hectares, the replacement area is either attached to an existing '*OGMA'* or old growth deferral area, or a created as new stand-alone *'OGMA*'.

(4) map an incursion and a replacement area in the ***"project plan"***.

SPECIAL TREE PROTECTION REGULATION AND OLD GROWTH DEFERRALS

(3) 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) comply with the Special Tree Protection Regulation.

(2) follow provincial government legislation on old growth deferral areas as it is developed

DOCUMENTATION

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

(a) ***"assessments"*** undertaken,

(b) ***"measures"*** prescribed,

(c) communication with ***"forest licensees"***

(d) incursions and replacement areas (if applicable),

(e) commitments to not harvest a cutblock within *'mature forest'* as identified through a mature-plus-old forest assessment,

(f) follow-up correspondence, including:

(i) a written description and map of the planned **"timber harvesting"** or **"road construction"**, and

(ii) a review and comment period of at least 60 days, unless otherwise agreed to; and

(g) collaboration with a ***"First Nation"***, and

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

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(5) 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 section of the FSP will be achieved.

SUB-SECTION SPECIFIC DEFINITIONS

'age class 9 assessment' means a transect-based field assessment with plots taken at regular intervals along the transect. Tree age information gathered within the plots is used to calculate the average stand age across all plots.

'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 approved in the KBHLPO .

'mature forest' means mature forest as specified under KBHLPO Objective 2.

'mature forest target' means a target for mature forest as specified under KBHLPO Objective 2.

'mature-plus-old forest' means mature forest and old forest as specified under KBHLPO Objective 2.

'mature-plus-old forest target' means a target for mature forest and old forest as specified under KBHLPO Objective 2.

'old forest' means old forest as specified under KBHLPO Objective 2.

'old forest target' means a target for old forest as specified under KBLHPO 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' (available at https://catalogue.data.gov.bc.ca/dataset/old-growth-management-areas-non-legal-current), and/or

(B) the *'OGMA'* layer of the BCTS GIS Data Library (which tracks BCTS incursions within *'OGMAs'* and replacement areas prior to annual reconciliation with the government layer referenced under (A) above).

'parks' means Provincial parks, National parks, ecological reserves, and approved Goal 2 protected areas.

'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.

4.3 Water, Fish, Wildlife and Biodiversity within Riparian Areas

OBJECTIVES	
Applicable ***"objectives"***:	• FPPR Sec. 8 Objectives set by government for water, fish, wildlife and biodiversity within riparian areas
Additional legal references:	• FPPR Sec. 12.1(6) Exemptions — when undertaking given for compliance with specified regulations • FPPR Sec. 12(3) Specifying results or strategies

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

ASSESSMENT AND MANAGEMENT

(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) undertake a riparian classification assessment of riparian features that have the potential to meet the classification criteria set out in FPPR Sec. 47 to 49 (riparian classes), located within 100 meters on the '*affected slope',* of a cutblock and/or road, to plan **primary forest activities** to be consistent with FPPR Sec. 47 to 49 (riparian classes), 50, 51, and 52(2) (restrictions in riparian areas). (tables included to clarify reserves and management area widths)

Riparian Class	Riparian Management Area (metres)	Riparian Reserve Zone (metres)	Riparian Management Zone (metres)
S1-A	100	0	100
S1-B	70	50	20
S2	50	30	20
S3	40	20	20
S4	30	0	30
S5	30	0	30
S6	20	0	20

Riparian Class	Riparian Management Area (metres)	Riparian Reserve Zone (metres)	Riparian Management Zone (metres)
W1	50	10	40
W2	30	10	20
W3	30	0	30
W4	30	0	30
W5	50	10	40

Riparian Class	Riparian Management Area (metres)	Riparian Reserve Zone (metres)	Riparian Management Zone (metres)
L1-A	0	0	0
L1-B	10	10	0
L2	30	10	20
L3	30	0	30
L4	30	0	30

(2) No **temperature sensitive streams** (Sec 53) have been designated within the forest development units covered by this FSP. The ***"TSM"*** will comply with Forest Planning and Practices Regulation section 53 if a **temperature sensitive stream** is designated.

(3) where a **riparian management zone (RMZ)** is located within a cutblock:

(a) undertake a **riparian management zone (RMZ)** assessment, with the goal of determining and identifying the appropriate number, distribution, species, size(s) and characteristics of RMZ tree retention, which may consider factors such as:

(i) 'safety hazards',

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

(iii) stream channel integrity; stream, wetland and lake bank stability; and potential for erosion and sediment delivery to streams, wetlands and lakes,

(iv) forest health factors,

(v) fish and wildlife habitat (e.g. the ability of wildlife to travel to the RMZ from unharvested areas),

(vi) water quality,

(vii) licensed domestic water users 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, and intake locations,

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

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

(x) shade requirements for streams, wetlands and lakes

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

(xii) coarse woody debris requirements,

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

(xiv) visual quality,

(xv) range use,

(xvi) timber objectives,

(xvii) operational constraints, such as locating roads, tail holds, guy line tiebacks, designated trails or yarding corridors where there is

a. no other ***"practicable"*** option without an incursion, or

b. another option would result in a greater risk to one or more ***"FRPA values"***.

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

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

(b) prescribe RMZ tree retention, and

(c) establish a minimum 5 metre machine-free zone along both sides of **streams** within conventional harvest units (including where tethered equipment is used), with the exception of **stream** crossing trails,

(d) establish a minimum 8 metre machine-free zone around **wetlands** and lakes where ground-based equipment will operate.

(4) The **RMZ** tree retention prescribed within a **RMZ**, will be 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 **wetlands** 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"***.

(5) where a **RMZ** assessment identifies ***"measures"*** necessary to protect an **RMZ**, prescribe the ***"measures"*** identified in the RMZ assessment.

DOCUMENTATION

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

(a) ***"assessments"*** undertaken,
(b) RMZ tree retention prescribed,
(c) machine-free zones established,
(d) ***"measures"*** prescribed, and
(e) responsibilities of ***"agreement holders"*** under this sub-section of the FSP

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(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"*** 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)

(4) No **temperature sensitive streams** (FPPR Sec 53) have been designated within the forest development units covered by this FSP. The ***"agreement holder"*** will comply with Forest Planning and Practices Regulation section 53 if a **temperature sensitive stream** is designated**.**

STREAM, WETLAND, AND LAKE PROTECTION

(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) where conducting **primary forest activities** near **streams,**

(a) *'remove'* ***timber harvesting*** debris from **stream** channels, including

(i) 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;

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

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

(iv) 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

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

(b) effectively manage designated crossing trails on **streams***, by*

(i) 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;

(ii) 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;

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

(iv) minimizing the number of crossings used and limiting their dimensions;

(v) 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

(vi) removing **stream** crossing structures as soon as their use is no longer required, and

(c) fall, yard and skid away from **streams**, where ***"practicable"***.

(2) where conducting **primary forest activities** near **wetlands** and lakes**,**

(a) *'remove'* ***timber harvesting*** debris from **wetlands** and lakes, and

(b) fall, yard and skid away from **wetlands** and lakes, where ***"practicable".***

SUB-SECTION SPECIFIC DEFINITIONS

'*affected slope'* means slopes whose catchment area overlaps a cutblock or road to which this FSP applies.

'remove' 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;

(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.

'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.

4.4 Wildlife and Biodiversity — Landscape Level, Green-up and ERDZ - Timber

OBJECTIVES	
Applicable ***"objectives"***:	• FPPR Sec. 9 Objectives set by government for wildlife and biodiversity — landscape level • KBHLPO Objective 4 Green-up • KBHLPO Objective 7 Enhanced Resource Development Zones – Timber
Additional legal references:	• FPPR Sec. 12.1(7) FPPR Exemptions — when undertaking given for compliance with specified regulations • FPPR Sec. 12(4) to 12(6) Specifying results or strategies

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

REFERRAL, ASSESSMENT AND MANAGEMENT

(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) plan **primary forest activities** to comply with KBHLPO Objective 4 and Objective 7.

(2) where a cutblock is located within a '*landscape unit/BEC zone combination'* that is shared with another ***"forest licensee"***, send a ***"referral"*** to the ***"forest licensee"*** at the initial planning and design stage for cutblock development.

(3) where a ***"forest licensee"*** does not respond to a ***"referral"*** sent under (2) above, re-confirm the contact information for the ***"forest licensee"***, and if needed re-send ***"referral"***

(4) where a ***"forest licensee"*** responds to a ***"referral"***, make all reasonable efforts to exchange information with the ***"forest licensee"*** to ensure that the applicable ***"objectives"*** will be achieved.

(5) refrain from implementing the provision of KBHLO Objective 4 allowing for areas not adequately stocked to be considered greened-up.

(6) plan **primary forest activities** 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 in all situations (including within KBHLPO Enhanced Resource Development Zones - Timber), except

(a) within a scenic Area established as detailed in FSP Sec. 4.10 Table 3 with an *'Established Visual Quality Objective'*, and
(b) within a *'community watershed'*, where the height requirement remains at 3 metres to comply with KBHLPO Objective 4.

(7) undertake a green-up assessment that

(a) clarifies the application of strategy (1) by quantifying

(i) the net area to be reforested (NAR) a planned cutblock,

(ii) the circumstances where FPPR Sec. 64(1) does not apply, due to use of subsections (2), (3), or (4), and

(iii) how FPPR Sec. 65 applies to the new cutblock and existing cutblocks;

(b) where (as identified through (A) above) the combined NAR of new cutblocks, or the NAR of new cutblocks and existing cutblocks, is greater than 40 hectares, and FPPR Sec. 64 (2)(a)(ii) applies,

(i) includes the undertaking of a patch size analysis to ensure compliance with the requirements of FPPR Sec. 64 and Sec. 65, and

(ii) 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';

(c) where the NAR of a new cutblock is greater than 40 hectares, as identified through (a) above, ensure that as required by FSP Sec. 4.5 strategy (1),

(i) 5% of the NAR of the new cutblock, and

(ii) 10% of the total cutblock area of new cutblocks in the "TSL"

will be retained as wildlife tree retention area (WTRA) and/or as 'dispersed wildlife tree retention' (refer to FSP Sec. 4.5 Wildlife and Biodiversity Stand Level, Sub-Section Specific Definitions); and

(d) identifies "measures", where necessary and to the extent required, to ensure compliance with strategy (1).

(8) where a green-up assessment identifies ***"measures"*** necessary to ensure compliance with this **strategy**, prescribe the ***"measures"*** identified in the green-up assessment.

(9) plan **primary forest activities** to be consistent with FPPR Sec. 64 (maximum cutblock size) and 65 (harvesting adjacent to another cutblock) except within the Wildland Urban Interface (WUI), and WUI Wildfire Risk Reduction Plans

Cutblocks within these areas that are greater than 40 hectares must:

(a) use fire management stocking standards

(b) implement a prescription that includes fuel hazard reduction

DOCUMENTATION

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

(a) ***"assessments"*** undertaken,
(b) ***"measures"*** prescribed,
(c) ***"coordination"*** with ***"forest licensees",*** and
(d) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(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 section of the FSP will be achieved.

SUB-SECTION SPECIFIC DEFINITIONS

"*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 approved in the KBHLPO *'community watershed'* has the meaning given to it in FPPR section 8.2(1) and specifically includes those community watersheds referred to in Appendix 4.8.

'established visual quality objective (EVQO)' means

(A) a visual quality objective established as detailed in FSP Sec. 4.10 Table 3, and

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

4.5 Wildlife and Biodiversity — Stand Level

OBJECTIVES	
Applicable ***"objectives"***:	• FPPR Sec. 9.1 Objectives set by government for wildlife and biodiversity — stand level
Additional legal references:	• FPPR Sec. 12.5(3) Conditional exemption — section 66 • FPPR Sec. 12.5(4) Conditional exemption — section 67 • FPPR Sec. 66 Wildlife tree retention • FPPR Sec. 67 Restriction on harvesting

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

ASSESSMENT AND MANAGEMENT

(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) undertake a wildlife tree retention assessment that

(a) considers

(i) the factors identified in Appendix 4.5B - BCTS WTRA BMP – Retaining Wildlife Features (2024)

(ii) how the wildlife tree retention established exhibits good forest stewardship at the

(iii) WTRA, cutblock, TSL and landscape levels

(iv) if dispersed WTR is appropriate to the circumstances,

(v) where WTRA is planned, prioritizing the establishment of larger WTRAs, in order to create improved interior forest habitat;

(vi) whether representative wildlife trees and wildlife tree habitat have been incorporated into the retention.

(vii) where the primary forest activities are within the BEC Zones of IDF or MS, prescribes

(viii) '*supplementary coarse woody debris retention*' within the net area to be reforested;

(b) where the primary forest activities are within or adjacent to a riparian management zone of a FPPR Sec. 48 classified wetland and/or a FPPR Sec. 49 classified lake, prioritizes WTRA placement that will maintain at least one travel corridor to the wetland and/or lake from one of the following areas, in order to maintain landscape level habitat connectivity for wildlife:

(i) an '*OGMA*', an', '*old forest*', a Protected Area, a Provincial Park, a National Park, or another valuable or at-risk ecosystem, as identified by a "***qualified professional***", or

(ii) in the absence of an area identified under (i) above, an area having the oldest VRI derived age class of the forest stands adjacent to the riparian management zone which can provide landscape level habitat connectivity for wildlife towards one or more of the areas identified under (i) above, wherever possible; and

(2) Use the results of the wildlife tree retention assessment to develop a prescription for **wildlife tree** retention as **wildlife tree retention area (WTRA)** and/or as '*dispersed wildlife tree retention',* that is consistent with:

(a) cutblock level retention of,

(i) where the **net area to be reforested** (**NAR**) of a cutblock is less than or equal to 40 hectares, a minimum of 3.5% of the total cutblock area*,* or

(ii) where the **NAR** of a cutblock is greater than 40 hectares, a minimum of 5.0% of the total cutblock area;

(b) ***"timber sale licence (TSL)"*** level retention of,

(i) where the **NAR** of every cutblock within a ***"TSL"*** is less than or equal to 40 hectares, a minimum of 7.0% of the total cutblock area in the ***"TSL",*** or

(ii) where the **NAR** of any one or more individual cutblocks within a ***"TSL"*** is greater than 40 hectares, a minimum of 10% of the total cutblock area in the ***"TSL"***; and

(c) calculation of **wildlife tree** retention percentages according to the conventions specified in Appendix 4.5A – Wildlife Tree Retention Calculations.

(3) not plan **primary forest activities** within a **WTRA** or wildlife tree patch (WTP), except

a) where the trees on the **NAR** of the cutblock to which the **WTRA** or WTP relate have developed attributes consistent with a mature seral condition, or

b) for a minor incursion, for one or more of the following reasons, and limited to the extent required by the reasons:

(i) to address '*safety hazards*' within the WTRA or WTP, other than where the '*safety hazard*' relates to the management of a single dangerous tree,

(ii) to remove trees impacted by wind, fire, or forest health factors within the WTRA or WTP, to the extent where the WTRA or WTP is 'rendered ineffective',

(iii) to remove only windthrown trees within the WTRA or WTP that are a potential source to cause epidemic insect spread, such as situations where the windthrown trees within the WTRA are:

a. spruce or Douglas-fir species,
b. have been down for 3 years or less, and
c. in the opinion of a ***"qualified professional"***, located sufficiently close to an area where a bark beetle infestation, affecting spruce or Douglas-fir, is active beyond endemic levels, such that the windthrown trees will be a target for beetle attack.

and/or

(iv) to address operational constraints such as

a. locating roads, tail holds, guy line tiebacks, designated trails or yarding corridors where there is no other **"practicable"** option without an incursion, or
b. another option would result in a greater risk to one or more "FRPA values".

(4) where a minor incursion is planned within a **WTRA** or WTP, undertake a WTRA replacement assessment, that

(a) considers the impact of a minor incursion and/or dangerous tree falling on the prescription for wildlife tree retention as wildlife tree retention area (WTRA) and/or as 'dispersed wildlife tree retention', including the underlying 'wildlife tree retention assessment',

(b) maps the minor incursion and/or dangerous tree falling, and

(c) identifies and maps a **WTRA** replacement area, that

(i) is at least the same size as the minor incursion, and exhibits similar ecological values

(ii) prioritizes over other suitable replacement candidates, either

a. '*old forest*', and/or

b. other valuable or at-risk ecosystems, as identified by a "***qualified professional***";

c. stands of like or better wildlife tree habitat attributes as identified by a "qualified professional"

(iii) considers the factors identified in Appendix 4.5B - BCTS WTRA BMP – Retaining Wildlife Features (2024) and

(iv) is consistent with other applicable official guidance provided by the District Manager, Regional Executive Director, or the Chief forester.

(d) update the applicable Site Plan, and
(e) update the Ministry of Forests RESULTS database.

(5) Avoid co-location of WTRAs within *'old growth management areas'* unless no other ***"practicable"*** option exists.

DOCUMENTATION

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

(a) ***"assessments"*** undertaken,
(b) **wildlife tree** retention prescribed, and
(c) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

NEW MINOR INCURSION INTO A WTRA BY 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, and where the ***"TSM"*** is informed by an ***"agreement holder"*** of a proposed minor incursion into a **WTRA** that was not previously identified in a ***"project plan"***, for the area associated with that cutblock or road:

(1) determine whether the original **WTRA** boundary and/or location is required to protect or manage a ***"FRPA value"***, accommodate a stakeholder commitment or for another resource management purpose.

(2) where the ***"TSM"*** determines that the original **WTRA** boundary and/or location can be modified to accommodate the minor incursion,

(a) update the site plan following **strategies** (1) and (2) under this sub-section of the FSP, and

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

(3) where the ***"TSM"*** determines that the **WTRA** cannot accommodate the minor incursion identified in (1) above, inform the ***"agreement holder"*** of the determination.

RESPONSIBILITIES OF AGREEMENT HOLDERS IMPLEMENTATION

OF THE PROJECT PLAN

(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"***.

NEW MINOR INCURSION INTO A WTRA

(5) 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) 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 WTRA replacement assessment, as defined in section (3)

(b) informing the ***"TSM"*** of the ***"assessments"*** undertaken,

(c) working with the ***"TSM"*** to revise the site plan, following strategies (1) through (2) under this section of the FSP, and

(d) receiving a revised site plan from the ***"TSM"***.

DANGEROUS TREE ASSESSMENT AND MANAGEMENT

(6) 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) where a **wildlife tree** is retained in a ***"project plan"*** and the **wildlife tree** meets the OHS Regulation Part 26.1 definition of a **dangerous tree**:

(a) prior to felling a **wildlife tree** consistent with OHS Regulation Sec. 26.11(a), first carry out the risk assessment specified in Sec. 26.11(b) to identify alternative options to felling the **wildlife tree**, and

(b) where the **wildlife tree** is felled consistent with Sec. 26.11(a), ***"document"***

(i) its species, estimated DBH, estimated height, and spatial location
(ii) how it meets the **dangerous tree** definition, and
(iii) the reason(s) why the **wildlife tree** could not be retained.

DANGEROUS TREE FALLING IMPACT ASSESSMENT

(7) An ***"agreement holder"*** shall, upon completion of **primary forest activities** on or within a cutblock or road to which this FSP applies and where a retained **wildlife tree** has been felled as a **dangerous tree** under **strategy** (6) above, for the area associated with that cutblock or road:

(1) undertake a dangerous tree falling impact assessment that

(a) follows the contemporary methods of the Wildlife Danger Tree Assessor's Course, and

(b) evaluates the impact of the aggregate falling of dangerous trees on the wildlife tree retention prescription, using the information ***"documented"*** under strategy (6)(1)(b).

(2) where a ***"qualified professional"*** determines that the aggregate falling of **dangerous trees** has quantitatively or qualitatively compromised the **wildlife tree** retention prescription applicable to the ***"project plan",*** such that the **wildlife tree** retention requirements of **strategy** (1)(1) and/or the intent of the underlying wildlife tree retention assessment are no longer achieved,

(a) undertake a WTRA replacement assessment, as defined in section (3)

(b) provide the WTRA replacement assessment to the ***"TSM"***, and

(c) ***"document"*** the WTRA replacement assessment in a ***"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.

'old forest' means old 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' (available at https://catalogue.data.gov.bc.ca/dataset/old-growth-management-areas-non-legal-current), and/or

(B) the *'OGMA'* layer of the BCTS GIS Data Library (which tracks BCTS minor incursions within *'OGMAs'* and replacement areas prior to annual reconciliation with the government layer referenced under (A) above).

'rendered ineffective' means 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).

'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.

'supplementary coarse woody debris retention' means retaining a level of coarse woody debris where

(A) piece size will be a minimum 4 logs per hectare, where each log has

(I) a minimum diameter of 20 centimeters at one end, and
(II) each log has a minimum length of

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

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

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

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

and

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

4.6 Wildlife

OBJECTIVES	
Applicable ***"objectives"***:	• FPPR Sec. 7 Objectives set by government for wildlife • KBHLPO Objective 5 Grizzly Bear
Additional legal references:	• KBHLPO Objective 3 Caribou • GAR Sec. 9 General wildlife measures • GAR Sec. 10 Wildlife habitat area and objectives • GAR Sec. 11 Wildlife habitat features • GAR Sec. 12 Ungulate winter ranges and objectives • GAR Sec. 13 Species at risk, regionally important wildlife and ungulate species
Additional information:	KBHLPO Objective 3 Caribou: This **"objective"** has been replaced by GAR orders.

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

TRAINING, RECORD KEEPING, AND PROVIDING CHANCE FIND TRAINING PACKAGES

(1) The ***"TSM"*** shall, throughout the term of this FSP:

(1) develop wildlife awareness training, that includes guidance related to the identification, habitat management strategies and reporting requirements for '*wildlife species of management concern*' and '*at-risk ecological community (AREC)'*, that is prepared and maintained by a "***qualified professional***".

(2) develop summary guidance for ***"contractors"*** and ***"agreement holders"***, based on the awareness training for '*wildlife species of management concern'* and *'at-risk ecological community (AREC)',*

(3) deliver and ***"record"*** the provision of wildlife awareness training to

(a) new BCTS staff within 6 months of the start of employment,

(b) all BCTS staff every 3 years, and

(c) all BCTS staff within 6 months of new relevant information becoming available.

(4) provide a wildlife chance-find training package to ***"contractors"*** and ***"agreement holders"*** based on summary guidance from the wildlife awareness training

REPORTING

(2) The ***"TSM"*** shall, throughout the term of this FSP:

(1) where a *'wildlife species of management concern'* or '*at-risk ecological community (AREC)'*, is identified in the field, report it to the BC Conservation Data Centre run by the

Ministry of Environment in compliance with annual official requirements established by the Ministry, and upon request.

REFERRAL, ASSESSMENT, MANAGEMENT, FOLLOW-UP CORRESPONDENCE, AND EXEMPTIONS

(3) 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) plan **primary forest activities** to comply with applicable orders established by GAR and notices given under FPPR Sec. 7 pertaining to a **general wildlife measure**, **regionally important wildlife,** a **species at risk**, a **specified ungulate species,** an **ungulate winter range,** an **ungulate winter range objective,** a **wildlife habitat area,** a **wildlife habitat area objective** and/or a **wildlife habitat feature**.

(2) where a cutblock is located within an **ungulate winter range** that is shared with another ***"forest licensee"***, send a ***"referral"*** to the ***"forest licensee"*** at the initial planning and design stage for cutblock development.

(3) where a ***"forest licensee"*** does not respond to a ***"referral"*** sent under (2) above, re-confirm the contact information for the ***"forest licensee"***, and if needed re-send ***"referral"***

(4) where a ***"forest licensee"*** responds to a ***"referral"***, make all reasonable efforts to exchange information with the ***"forest licensee"*** to ensure that the applicable ***"objectives"*** will be achieved.

(5) undertake a wildlife assessment to plan **primary forest activities** to comply with the applicable ***"objectives"***, GAR orders, and FPPR Sec. 7 notices. The wildlife assessment

(a) follows the contemporary wildlife awareness training

(b) reviews the relevant provincial Field Guide to Ecosystem Classification and Identification (Land Management Handbook) to confirm BEC subzone/variant specific potential for the identification of '*wildlife species of management concern*' or '*at-risk ecological communities*' during the course of

(i) normal forestry field work, and/or

(ii) normal primary forest activities.

(c) identifies '*wildlife species of management concern*' or '*at-risk ecological communities*' observations, within or adjacent to a planned cutblock or road,

(i) where identified on a map as a known occurrence, through queries of the following provincial government map-searchable spatial databases

a. the BC Conservation Data Center,
b. EcoCat, and
c. HabitatWizard; and/or

(ii) where identified in the field during the course of

a. normal forestry field work, and/or normal **primary forest activities**.

(d) where a '*wildlife species of management concern*' or '*at-risk ecological community*' is identified under (a) through (c) above, will initiate further field surveys on a case-by-case basis as determined by a ***"qualified professional"***,

(e) where a '*wildlife species of management concern*' or '*at-risk ecological community*' observation is identified under (a) through (d) above, identifies ***"measures"***, where necessary to protect the *'wildlife species of management concern*' or 'a*t-risk ecological community*' from primary forest activities; and

(f) where ***"measures"*** are identified under (e) they will

(i) follow existing management guidance developed by a ***"qualified professional"***

(ii) comply with orders established by GAR which apply to the '*wildlife species of management concern'*,

(iii) comply with notices given under FPPR Sec. 7 which apply to the '*wildlife species of management concern*', specifically notices pertaining to indicators of the amount of area, distribution of areas and attributes of areas of wildlife habitat necessary to ensure

a. the survival of species at risk,

b. the survival of regionally important wildlife, and

c. the winter survival of specified ungulate species;

(iv) where established by the relevant provincial Ministry, align with the requirements of regional connectivity corridor mapping, and

(v) consider input received in response to a follow-up correspondence sent to a "First Nation", including

a. a written description and map of the planned "timber harvesting" or "road construction", and

b. a review and comment period of at least 60 days, unless otherwise agreed to.

(6) where a *'wildlife species of management concern' or 'at-risk ecological community'* is identified in the field during the course of regular forestry field activities, incorporate the *'wildlife species of management concern'* into a wildlife assessment.

(7) where a wildlife assessment identifies ***"measures"*** necessary to protect a *'wildlife species of management concern', or 'at risk ecological community'* prescribe the ***"measures"*** identified in the wildlife assessment.

DOCUMENTATION

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

(a) ***"assessments"*** undertaken,

(b) *'wildlife species of management concern'* identified,
(c) ***"measures"*** prescribed,
(d) follow-up correspondence and collaboration with ***"First Nations"***,
(e) where obtained, exemptions to orders established by GAR, and
(f) responsibilities of ***"agreement holders"*** under this sub-section of the FSP; and

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

CHANCE FIND PROCEDURE AND DOCUMENTATION

(5) The ***"TSM"*** shall, when an ***"agreement holder"*** is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies, and where the ***"TSM"*** is informed by an ***"agreement holder"*** that a new field-identified *'wildlife species of management concern'* or *'at-risk ecological community'* observation (that was not previously identified in a ***"project plan"***) was discovered by the ***"agreement holder"*** during the course of normal **primary forest activities**, for the area associated with that cutblock or road:

(1) where the ***"measures"*** identified in the ***"assessment"*** do not require a change to a site 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"***,
(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"***.

(2) where the ***"measures"*** identified in the ***"assessment"*** require a change to a site plan, revise the site plan, following **strategies** (3) and (4) under this section of the FSP.

RESPONSIBILITIES OF AGREEMENT HOLDER

IMPLEMENTATION OF THE PROJECT PLAN

(6) 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.

CHANCE FIND PROCEDURES

(7) 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) during the course of normal **primary forest activities,** identify new field-identified *'wildlife species of management concern'* or *'at-risk ecological community'* discovered on or within a cutblock or road covered under the ***"project plan"*** (following the *'wildlife species of management concern'* or *'at-risk ecological community'* chance find training package***).***

(2) where a new field-identified *'wildlife species of management concern'* or *'at-risk ecological community'* is discovered under (1) above,

(a) stop work to the degree necessary to protect the *'wildlife species of management concern'* or *'at-risk ecological community'*
(b) incorporate the *'wildlife species of management concern'* or *'at-risk ecological community'* into a wildlife assessment.

(3) where a wildlife assessment identifies ***"measures"*** necessary to protect a *'wildlife species of management concern',* or *'at-risk ecological community'* and those ***"measures"*** do not require a change to a site plan,

(a) prescribe the ***"measures"*** identified in the wildlife assessment,
(b) ***"document"*** in a ***"project plan"***

(i) ***"assessments"*** undertaken,
(ii) *'wildlife species of management concern'* or *'at-risk ecological community'*
(iii)identified, and
(iv) ***"measures"*** prescribed; and

(c) inform the ***"TSM"*** of the change to the ***"project plan"***.

(4) where a wildlife assessment identifies ***"measures"*** necessary to protect a *'wildlife species of management concern',* and those ***"measures"*** require a change to a site plan, only carry out the ***"measures"*** after

(a) informing the ***"TSM"*** of the ***"assessments"*** undertaken,
(b) working with the ***"TSM"*** to revise the site plan, following **strategies** (2) through (4) under this section of the FSP, and
(c) receiving a revised site plan.

SUB-SECTION SPECIFIC DEFINITIONS

'at-risk ecological community' ('AREC') means an ecological community identified within the TKO Focus List of the BCTS Corporate At-risk Ecological Communities Program. The TKO Focus List is a subset of the '*BCTS Corporate AREC Master List'* and includes all ecological communities within the TKO Business Areas that are:

(A) rated as High based on the AREC Risk Rating System (AREC Risk Rating System)

(B) rated as Medium Risk Rank AND in a forested ecosystem.

(C) rated as Medium Risk Rank AND in a non-forested ecosystem which may be disturbed by road building or development and maintenance of log handling facilities.

(D) protected under FRPA, or subject to Land Use Objectives

'BCTS Corporate SOMC animal master list' means the list of animal species developed under the BCTS Corporate Species of Management Concern (SOMC) Program. This list was prepared by Registered Professional Forester and Registered Professional Biologists and includes species at risk data derived from multiple sources:

(A) Provincial Red and Blue Listed species,

(B) NatureServe Global G1/G2 species,

(C) [Federal] Species at Risk Act (SARA), Schedule 1 listed species,

(D) Forest and Range Practices Act (FRPA), FPPR Section 7 (GAR) species,

(E) Species included in the Identified Wildlife Management Strategy (IWMS), and

(F) BC Wildlife Act species.

'wildlife species of management concern' means an animal species identified within the TKO Focus List of the BCTS Corporate Species of Management Concern (SOMC) Program (refer to the BCTS Sustainability intranet site Focus List for Kootenay). The TKO Focus List is as subset of the '*BCTS Corporate SOMC animal master list*' (after the application of a risk-ranking process detailed within the BCTS Corporate SOMC Program) and includes all animals within the TKO Business Areas that are:

(A) rated as High based on the Risk Rating (Appendix B of the BCTS Corporate Species of Management Concern Program Guide), listed under Sec. 13 of the Designation and Exemption Regulation of the Wildlife Act as

(I) threatened,
(II) or endangered,

(B) species established by order under GAR as a

(I) category of species at risk (i.e. an identified wildlife species),
(II) regionally important wildlife, or
(III) specified ungulate species; and/or

(C) named in association with a wildlife habitat feature established by order under GAR.

4.7 Fish Habitat in Fisheries Sensitive Watersheds

OBJECTIVES	
Applicable "***objectives"*:**	• FPPR Sec. 8.1 Objectives set by government for fish habitat in fisheries sensitive watersheds
Additional legal references:	• GAR Sec. 14 Fisheries sensitive watersheds and objectives • FPPR Sec. 55 Stream crossings • FPPR Sec. 56 Fish passage • FPPR Sec. 57 Protection of fish and fish habitat

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

REFERRAL, ASSESSMENT AND MANAGEMENT

(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 and where the **primary forest activities** are within a **fisheries sensitive watershed** established under GAR Sec. 14(1)., for the area associated with that cutblock or road:

(1) plan **primary forest activities** to comply with ***"objectives"*** established under GAR Sec. 14(2).

(2) where the **fisheries sensitive watershed** is shared with another ***"forest licensee"***, send a ***"referral"*** to the ***"forest licensee"*** at the initial planning and design stage for cutblock development.

(3) where a ***"forest licensee"*** does not respond to a ***"referral"*** sent under (2) above, re-confirm the contact information for the ***"forest licensee"***, and if needed re-send ***"referral"***

(4) where a ***"forest licensee"*** responds to a ***"referral"***, make all reasonable efforts to exchange information with the ***"forest licensee"*** to ensure that the applicable ***"objectives"*** will be achieved.

(5) plan **primary forest activities** to be consistent with FPPR Sec. 55 (stream crossings), 56 (fish passage) and 57 (protection of fish and fish habitat).

(6) undertake a **fisheries sensitive watershed** assessment to plan **primary forest activities** to comply with the applicable ***"objectives"***, 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" 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 for the **fisheries sensitive watershed** will be achieved,

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

(d) 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.

(e) consider information additional to (d) above, when provided by a "***First Nation***" on culturally important fish species and their habitats and identify streams feeding into critical habitats for SARA-listed fish species through a written request to share information, including

(i) a description of the proposed **"timber harvesting"** or **"road construction"**,

(ii) a map of the proposed **"timber harvesting"** or **"road construction"**,

(iii) a request for comments and information on cultural heritage resources, (which has the same meaning as in Section 4.11 for the FSP (Cultural Heritage Resources) including the type, location, and extent of any traditional use that is of continuing importance to the "First Nation",

(iv) an offer to meet with the ***"First Nation"***, and

(v) a review and comment opportunity of at least 60 days, unless otherwise agreed to, or unless in response to salvage referral, in which case the review and comment period will be at least 30 days.

(7) where a **fisheries sensitive watershed** assessment identifies ***"measures"*** necessary to ensure that the applicable ***"objectives"*** will be achieved*,* prescribe the ***"measures"*** identified in the **fisheries sensitive watershed** assessment.

(8) where forest harvest occurs in **fisheries sensitive watershed**s known to support culturally important fish species, and on streams feeding into critical habitats for SARA-listed fish species, consider additional **"measures"**

DOCUMENTATION

(2) 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 and where the **primary forest activities** are within a f**isheries sensitive watershed**, for the area associated with that cutblock or road:

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

(a) ***"assessments"*** undertaken,
(b) ***"measures"*** prescribed,
(c) ***"collaboration"*** with other "***forest licensees"***, and
(d) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(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 **fisheries sensitive 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. 55 (stream crossings), 56 (fish passage) and 57 (protection of fish and fish habitat).

SUB-SECTION SPECIFIC DEFINITIONS
'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"*** (specifically the Watershed Assessment and Management of Hydrologic and Geomorphic Risk in the Forest Industry (EGBC & ABCFP, 2020; Version 1.0), as amended from time to time (refer to Appendix 6 – TKO Watershed Assessment and Risk Management Framework).

(The remainder of this page is purposefully blank.)

4.8 Water in Community Watersheds

OBJECTIVES	
Applicable **"objectives"**:	• FPPR Sec. 8.2 Objectives set by government for water in community watersheds
Additional legal references:	• FPPR Sec. 59 Protecting water quality • FPPR Sec. 60 Licensed waterworks • FPPR Sec. 61 Excavated or bladed trails • FPPR Sec. 62 Roads in a community watershed • FPPR Sec. 63 Use of fertilizers • FPPR Sec. 84 Notice – road in a community watershed

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

REFERRAL, ASSESSMENT, AND MANAGEMENT

(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 and where the **primary forest activities** are within a community watershed, designated under FPPR section 8.2(1) and specifically those community watersheds referred to in Appendix 4.8, for the area associated with that cutblock or road*:*

(1) plan **primary forest activities** to comply with ***"objectives"*** established under FPPR Sec. 8.2.

(2) where the community watershed is shared with another ***"forest licensee"***, send a ***"referral"*** to the ***"forest licensee"*** at the initial planning and design stage for cutblock development.

(3) where a ***"forest licensee"*** does not respond to a ***"referral"*** sent under (2) above, re-confirm the contact information for the ***"forest licensee"***, and if needed re-send ***"referral"***

(4) where a ***"forest licensee"*** responds to a ***"referral"***, make all reasonable efforts to exchange information with the ***"forest licensee"*** to ensure that the applicable ***"objectives"*** will be achieved.

(5) plan **primary forest activities** to be consistent with FPPR Sec. 59 to 63 (practice requirements in watersheds).

(6) send a ***"referral"*** to each licensed domestic water user with rights pertaining to the community watershed.

(7) undertake a community watershed assessment that applies the contemporary '*TKO watershed assessment and risk management framework (framework)*' wherein the

"qualified professionals" (BCTS Coordinating Professional and Specialists, as defined by the framework), shall

(a) Identify the potential for primary forest activities to result in significant cumulative hydrological effects to the community watershed, such as

(i) a material adverse impact on the quantity of water or the timing of the flow of the water from the waterworks, and/or

(ii) the water from the waterworks having a material adverse impact on human health that cannot be addressed by water treatment required under an enactment, or

(iii) the licence pertaining to the waterworks.

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

(d) where the area of planned cutblocks (NAR plus PAS) and/or roads (ROW) within the community watershed is '*incidental*', the scale of the ***"assessment"*** completed shall be limited 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.

(8) where a community watershed assessment identifies ***"measures"*** necessary to prevent significant cumulative hydrological effects to the community watershed, prescribe the ***"measures"*** identified in the community watershed assessment.

DOCUMENTATION

(2) 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 and where the **primary forest activities** are within a community watershed, for the area associated with that cutblock or road:

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

(a) ***"referrals"*** sent,
(b) ***"assessments"*** undertaken,
(c) ***"measures"*** prescribed,

(d) ***"collaboration"*** with other ***"forest licensees"***, and
(e) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

NOTICE FOR LICENSED DOMESTIC WATER USERS

(3) The ***"TSM"*** shall, prior to an ***"agreement holder"*** commencing **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) provide written notification of the commencement of **primary forest activities** to each licensed domestic water user 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, with rights pertaining to the community watershed, at least 7 days (as measured by postdate or email send day) prior to the commencement of **primary forest activities** by an ***"agreement holder",*** in compliance with FPPR Sec. 84 (notice – road in community watershed).

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(4) 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

'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 area of cutblocks (**NAR** plus **PAS**) and/or roads (ROW) within a community watershed
(I) 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.

4.9 Consumptive Use Streams

OBJECTIVES	
Applicable ***"objectives"***:	• KBHLPO Objective 6 Consumptive Use Streams
Additional legal references:	• FPPR Sec. 59 Protecting water quality • FPPR Sec. 60(1) Licensed waterworks

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

REFERRAL, ASSESSMENT, AND MANAGEMENT

(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) plan **primary forest activities** to comply with KBHLPO Objective 6.

(2) where a '*consumptive use stream' /* stream side management zone (as described under the KBHLPO Objective 6) is shared with another ***"forest licensee"***, send a ***"referral"*** to the ***"forest licensee"*** at the initial planning and design stage for cutblock development.

(3) where a ***"forest licensee"*** does not respond to a ***"referral"*** sent under (2) above, re-confirm the contact information for the ***"forest licensee"***, and if required re-send ***"referral"***

(4) where a ***"forest licensee"*** responds to a ***"referral"***, make all reasonable efforts to exchange information with the ***"forest licensee"*** to ensure that the applicable ***"objectives"*** will be achieved.

(5) plan **primary forest activities** to be consistent with FPPR Sec. 59 (protecting water quality) and Sec. 60(1) (licensed waterworks).

(6) undertake a consumptive use stream 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, 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

(ii) stream data available from the BC Geographic Warehouse and BCTS GIS Data Library, and

(iii) where available, field-based stream data; and

(c) 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,

(d) 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,

(e) acquire, complete, update or provide an addendum to a watershed assessment or hydrologic assessment, as directed by the 'framework', 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.

to plan **primary forest activities** to comply with the applicable ***"objectives"***.

(7) where a consumptive use stream assessment identifies a *'consumptive use stream'* and a cutblock or road is located within the stream side management zone, send a ***"referral"*** to each licensed domestic water user with rights pertaining to the '*consumptive use stream'.*

(8) where a consumptive use stream assessment identifies a stream side management zone*,* undertake a *'riparian management zone assessment'* to further comply with the applicable ***"objectives"***.

(9) where the 'riparian management zone assessment' identifies "measures" for a stream side management zone that are necessary to safeguard water licensed for human consumption, prescribe the **"measures"** identified in the 'riparian management zone assessment'.

DOCUMENTATION

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

(a) ***"referrals"*** sent,
(b) ***"assessments"*** undertaken,
(c) ***"measures"*** prescribed,
(d) ***"collaboration"*** with other ***"forest licensees"***, and
(e) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(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) 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 and will also specifically include a **stream** where the **stream** is within an Enhanced Resource Development Zone - Timber under KBHLPO Objective 7 (Map 7.1).

'riparian management zone assessment' has the same meaning as in Section 4.3 – Water, Fish, Wildlife and Biodiversity within Riparian Areas, but includes

(a) mapping **stream** orders, and

(b) identifying a stream side management zone.

'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"*** (specifically the Watershed Assessment and Management of Hydrologic and Geomorphic Risk in the Forest Industry (EGBC & ABCFP, 2020; Version 1.0), as amended from time to time (refer to Appendix 4.9 – TKO Watershed Assessment and Risk Management Framework).

4.10 Visual Quality

OBJECTIVES	
Applicable ***"objectives"***:	• FRPA Sec. 181 Grandparenting objectives • GAR Sec. 7 Scenic areas and visual quality objectives
Additional legal references:	• FRPA Sec. 180 Grandparenting specified designations • FPPR Sec. 9.2 Objectives set by government for visual quality • KBHLPO Objective 9 Visuals • FPPR Sec. 1.1 Categories of visually altered forest landscape
Additional information:	For clarity, Table 3 identifies the orders that legally established scenic areas and *'established visual quality objectives'* for the FDUs covered by this FSP, and which are in effect four months prior to the date of submission of this FSP. KBHLPO Objective 9 Visuals: This ***"objective"*** does not require a result and/or strategy as it has been replaced by GAR orders.

Table 3. Scenic areas and *'established visual quality objectives'*.

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 (hyperlink not available)	
Kootenay Lake	Ministerial Order approving the KBHLPO Oct. 26, 2002; Grand parented under FRPA Sec. 180(c) (hyperlink not available)	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 (hyperlink not available)

RESULTS AND STRATEGIES
RESPONSIBILITIES OF THE TSM
ASSESSMENT, MANAGEMENT, FOLLOW-UP CORRESPONDENCE, AND FSP AMENDMENT
(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 and where the cutblock or road is within a

scenic area established as detailed in Table 3 with an *'established visual quality objective (EVQO)'*, for the area associated with that cutblock or road:

(1) plan **primary forest activities** to comply with the *'established visual quality objective (EVQO)',* meaning

(a) a visual quality objective established as detailed in Table 3 (above), and
(b) the applicable category of altered forest landscape specified in FPPR Sec. 1.1 (categories of visually altered forest landscape),

(2) Where timber harvesting for salvage, forest health management, or fuel hazard reduction is planned but the established Visual Quality Objective is not achievable due to the circumstances, an alternate Visual Management result and a strategy to achieve the result will be proposed as an amendment to this FSP.

(3) undertake a visual assessment to plan **primary forest activities** such that the extent of alteration resulting from the size, shape and location of cutblocks and roads will comply with the *'EVQO'*. A visual assessment follows the contemporary "professional practice guidelines (guidelines)" (specifically the ABCFP Guidance for Forest Professionals Practicing in Visual Resource Management (ABCFP, 2018)), 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*', or '*significant cultural 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*',

(i) as directed by the "***guidelines***" and professional opinions given thereunder, and

(ii) the Visual Impact Assessment Handbook (MOF, May 2022).

(4) 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 comply with the *'EVQO',* prescribe the ***"measures"*** identified in the visual assessment.

(5) where a visual assessment indicates that the extent of alteration resulting from the size, shape and location of cutblocks and roads cannot comply with the *'EVQO*' (e.g. where a landform has been impacted by a wildfire, a blowdown event, forest health event or where there is a risk to another FRPA value or another ***"objective"***),

(a) send follow-up correspondence, including*:*

(i) a written description and map of the planned "timber harvesting" or "road construction", and

(ii) a review and comment period of at least 60 days, unless otherwise agreed to or unless in response to salvage referral, in which case the review and comment period will be at least 30 days.

(b) to a***ny person or group*** who sent a reply to a previously issued written request to share information requesting information about scenic areas related to a *'significant public viewpoint'* or *'significant cultural viewpoint'.*

(6) Alteration maximums within an established VQO may be temporarily exceeded and achievement of a higher percent alteration will be acceptable for visual landscape polygons where the increased alteration is intended to facilitate salvage logging within the visual landscape inventory polygons following wildfire, *or*, a significant forest health agent outbreak, including a significant windthrow event, as identified by a qualified professional. While the scale and acuity level for the identified polygon will be increased, the design attributes will remain the same as the established VQO.

(7) Alteration maximums within an established VQO may be temporarily exceeded and achievement of a higher percent alteration will be acceptable for visual landscape polygons where the increased alteration is intended to facilitate wildfire risk reduction activities within the visual landscape inventory polygons for the purpose of protecting identified values from threat of wildfire. Harvesting that is conducted for wildfire risk reduction purposes must align with local Community Wildfire Protection Plans, threat analysis maps, or when partnering with the Ministry's Crown Land Wildfire Risk Reduction Program on joint fuel modification projects. While the scale and acuity level for the identified polygon will be increased, the design attributes will remain the same as the established VQO.

Table of Visual Alteration

TSA	Operating Area	Circumstances	VLI	EVQO	New Alteration
Kootenay Lake	Poplar/Hope	Wildfire Salvage	403	Modification	Max Modification Plus

(8) Upon approval of the FSP amendment, prescribe ***"measures"*** consistent with the alternate or modified **results** and/or **strategies** in a ***"project plan"***

DOCUMENTATION

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

(a) ***"assessments"*** undertaken,
(b) ***"measures"*** prescribed,
(c) follow-up correspondence and ***"collaboration"*** with ***"First Nations"***,
(d) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(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 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.

TIMEFRAME FOR MEETING THE EVQO

(4) An ***"agreement holder"*** shall, upon completion of **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) by carrying out the ***"project plan"*** and ***"measures"*** under strategy (3), comply with the '*EVQO'* applicable to the cutblock or road.

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).

'significant public viewpoint' has the same meaning as defined within the ***"professional practice guidelines"*** (at time of FSP approval, meaning specifically the ABCFP Guidance for Forest Professionals Practicing in Visual Resource Management), and the Visual Impact Assessment Handbook (MOF, May 2022).

'significant cultural viewpoint' means a viewpoint previously identified by a *"**First Nation**"* as a viewpoint of importance through a written request for information.

4.11 Cultural Heritage Resources

OBJECTIVES	
Applicable ***"objectives"*:**	• FPPR Sec. 10 Objectives set by government for cultural heritage resources
Additional legal references:	• None

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

CONFIDENTIALITY

(1) The ***"TSM"*** shall, throughout the term of this FSP:

hold in confidence traditional use information, meaning the TSM will not release traditional use information, including identifying sites on maps or releasing information on specific values identified by a "First Nation" to another party (including a government agency or another "First Nation") without the express written consent of the holder of the traditional use information.

INFORMATION SHARING, REVIEWS, AND MANAGEMENT

(2) 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) send a 'written request to share information', including*:*

(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) a review and comment opportunity of at least 60 days, unless otherwise agreed to,

to an ***"First Nation"*** and/or

(f) follow the protocol of contemporary government / ***"First Nation"*** consultation agreements.

(2) where a reply is received, expressing an interest in '*cultural heritage resources'*, or in a block or road to which this section applies, and a meeting takes place, undertake a *cultural heritage resources* review with the ***"First Nation"***, 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 direct impacts to a '*CHR*' with the ***"First Nation"*** who brought forward the cultural heritage resource.

(e) make genuine efforts to obtain support for **primary forest activities** from the ***"First Nation"***, recognizing that this may not be achievable in each and every case. Where a direct impact is identified in above, alter **primary forest activities** to the extent required to conserve, mitigate, or if necessary, protect, the cultural heritage resource at that location, considering:

  (i) The input received and recommendations of the ***"First Nation"*** who identified the cultural heritage resource,

  (ii) the relative value or importance of a particular '*CHR*' to a traditional use by an aboriginal people,

  (iii) the relative abundance or scarcity of a '*CHR*' that is the focus of a traditional use,

  (iv) the historical extent of a traditional use of a '*CHR*',

  (v) the impact on "timber harvesting" rights of conserving or protecting a '*CHR*', and

  (vi) options for mitigating the impact that a forest practice might have on a '*CHR*'.

(f) where a reply is received expressing an interest in cultural heritage resources, or in a block or road to which this section applies, but a meeting does not take place, undertake a cultural heritage resources review with information supplied by the ***"First Nation"*** in the reply.

(g) where a reply is not received, undertake a cultural heritage resources review using information known to the ***"TSM"***, including

  (i) a previously conducted cultural heritage feature review conducted in the close vicinity of the cutblock or road

  (ii) Information received through a previous written request to share information

  (iii) Information previously shared by the ***"First Nation"*** on cultural values and *'CHR'* stewardship practices

(h) *'respond in summary'* to a reply.

(i) where a *'cultural heritage resource'* is identified in the field, incorporate the *'cultural heritage resource'* into a cultural heritage resources review.

(j) 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.

TRAINING AND RECORD KEEPING

(3) The ***"TSM"*** shall:

(1) Within one (1) year, develop cultural heritage resource awareness training based on guidance related to the identification and management strategies for cultural heritage resources based on the Cultural Heritage Resource Identification and Management in Forestry Developments: A Supplement to the FREP Protocol V1.0 (2009) and

(2) develop a cultural heritage resource chance-find training package based on summary guidance from the cultural heritage resource awareness training for ***"contractors"*** and ***"agreement holders"***,

(3) within the term of the FSP, but as soon as possible, deliver and ***"record"*** the provision of cultural heritage resource awareness training to BCTS Staff.

(4) Where feasible, the training shall be led by Indigenous representatives from Nations with recognized relationships to the land on which the training is delivered, in acknowledgment of their distinct cultural knowledge and stewardship responsibilities.

(5) provide a cultural heritage resource chance find training package to ***"contractors"*** and ***"agreement holders"***.

DOCUMENTATION

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

(a) written requests to share information,

(b) ***"assessments"*** undertaken,

(c) ***"measures"*** prescribed,

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

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

CHANCE FIND REVIEW AND DOCUMENTATION

(5) 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 under **strategy** (8) that a new field-identified *'cultural heritage resource'* that was not previously identified in a ***"project plan"*** was discovered by an ***"agreement holder"*** during the course of normal **primary forest activities,**

(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 updated ***"project plan"*** to an ***"agreement holder"***.

(2) where BCTS staff or a ***"contractor"*** identifies a new field-identified *'cultural heritage resource'* that was not previously identified in a ***"project plan"*** during the course of normal forestry field work,

(a) inform the ***"agreement holder"*** of the need to stop work to the degree necessary to protect the *'cultural heritage resource'*
(b) incorporate the *'cultural heritage resource'* into a cultural heritage resources review',
(c) 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,
(d) ***"document"*** in a ***"project plan"***

(i) ***"assessments"*** undertaken,
(ii) ***"measures"*** prescribed,
(iii) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

(e) provide the updated ***"project plan"*** to an ***"agreement holder"***.

RESPONSIBILITIES OF AGREEMENT HOLDERS

CONFIDENTIALITY

(6) 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) hold in confidence traditional use information.

IMPLEMENTATION OF THE PROJECT PLAN

(7) 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.

CHANCE FIND PROCEDURES

(8) 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) during the course of normal **primary forest activities**, identify new field-identified *'cultural heritage resources'* discovered on or within a cutblock or road covered under the ***"project plan"***.

(2) where a new field-identified *'cultural heritage resource'* is discovered under (1) above,

(a) stop work to the degree necessary to protect the *'cultural heritage resource'*, and
(b) inform the ***"TSM"*** of the discovery.

(3) where the ***"TSM"*** informs an ***"agreement holder"*** under **strategy** (4) of the discovery of a new field-identified *'cultural heritage resource'* by BCTS staff or a ***"contractor"***, stop work to the degree necessary to protect the *'cultural heritage resource'*.

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.

(a) In the Rocky Mountain, Kootenay Lake and Arrow FDUs, the definition of CHR includes Western white pine (*Pinus monticola*).

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

(The remainder of this page is purposefully blank.)

4.12 Recreation Features

OBJECTIVES	
Applicable ***"objectives"***:	• FRPA Sec. 181 Grandparenting objectives
Additional legal references:	• FRPA Sec. 180 Grandparenting specified designations • FRR Sec. 16 Other uses requiring authorization

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

REFERRAL, ASSESSMENT, MANAGEMENT, AND RECREATION OFFICER AUTHORIZATION

(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 and where the **primary forest activities** are within or adjacent to a recreation feature, such as an interpretive forest site[2], recreation site[2] or recreation trail[2], either

(1) with established legal ***"objectives"***

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; or

(2) without established legal ***"objectives"***, where otherwise established under the FRPA,

for the area associated with that cutblock or road.

(3) plan **primary forest activities** to comply with ***"objectives"*** continued under FRPA Sec. 181.

(4) undertake a recreation assessment to plan **primary forest activities** to comply with the established ***"objectives"*** and FPPR section 70. The assessment

(a) identifies ***"measures"*** including those necessary to ensure that ***"objectives"*** will be achieved and to ensure compliance with FPPR Sec. 70, 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.

(d) prescribes the following default ***"measures"*** for conducting **primary forest activities** within or adjacent to a recreation feature:

(i) ***"road construction"*** will not cross a trail running surface, unless

(ii) another road location would result in a greater risk to one or more ***"FRPA values"***, or there is no other ***"practicable"*** location, and

(iii) the road will cross the trail running surface in a perpendicular fashion, as ***"practicable"***.

(5) send a ***"referral"***, at the initial planning and design stage for cutblock or road development, to

(a) the natural resource district recreation officer, and

(b) the holder of an agreement or tenure with respect to the recreation feature, where applicable,

specifically including within the ***"referral"*** (if applicable)

(i) a list of the ***"objectives"*** applicable to the recreation feature, and

(ii) a request to confirm the accuracy and completeness of the list.

(6) where a recreation assessment identifies ***"measures"*** including those necessary to ensure that applicable ***"objectives"*** will be achieved and to ensure compliance with FPPR Sec.70, prescribe the ***"measures"*** identified in the recreation assessment.

(7) not plan **primary forest activities** within 100m of the centreline of a section of the Dewdney Trail designated as an archaeological site, except for a minor incursion. In this section a *'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'*, other than where the '*safety hazard'* relates to the management of a single **dangerous tree**,

(b) to remove trees impacted by wind, fire, or forest health factors,

(c) to remove only windthrown trees that are a potential source to cause epidemic insect spread, such as situations where the windthrown trees within the recreation feature are:

(i) spruce or Douglas-fir species,

(ii) have been down for 3 years or less, and

(iii) in the opinion of a "***qualified professional***", located

(iv) sufficiently close to an area where a bark beetle infestation, affecting spruce or Douglas-fir, is active beyond endemic levels, such that the windthrown trees will be a target for beetle attack.

and/or

(d) to address operational constraints, such as

(i) locating roads, tail holds, guy line tiebacks, designated trails or yarding corridors where there is no other "***practicable"*** option without an incursion, or

(ii) another option would result in a greater risk to one or more "***FRPA values***".

(8) where a minor incursion is planned within 100m of the centreline of a section of the Dewdney Trail designated as an archaeological site, identify ***"measures"*** to be consistent with the Dewdney Trail Plan, as ***"practicable"***.

(9) where a FRR Sec. 16(a)(ii) authorization issued by the natural resource district recreation officer identifies ***"measures"*** to manage **primary forest activities** located within or adjacent to a recreation feature, prescribe the ***"measures"*** identified within the FRR Sec. 16(a)(ii) authorization.

DOCUMENTATION

(2) 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 and where the **primary forest activities** are within or adjacent to a recreation feature, for the area associated with that cutblock or road:

(1) ***"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.

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(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 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.

SIGNAGE

(4) 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) prior to carrying out **primary forest activities**, install temporary signage to inform users of the **primary forest activities**.

(2) maintain the temporary signage installed under (1) above for the duration of the **primary forest activities**.

TRAIL REHABILITATION

(5) 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) prior to completing **primary forest activities**,

(a) remove debris introduced from **primary forest activities** that is obstructing a trail running surface,
(b) identify and remove '*safety hazards'* within or adjacent to a trail running surface, and
(c) re-establish a trail running surface that was damaged by **primary forest activities**.

[1] For clarity, this definition does not have the more general meaning of the term as defined in FRPA Sec. 1. The FRPA defined **recreation feature** term forms part of the FRPA Sec. 1 **recreation resource** definition which allows for ***"objectives"*** to be set by government under FRPA Sec. 149(1)(i).

[2] An **interpretive forest site**, **recreation site** and **recreation trail** are each named as part of the FPPR Sec. 1 definition of a **resource feature**. FPPR Sec. 70(1) requires that a **primary forest activity** does not damage or render ineffective a **resource feature**; therefore, this requirement naturally extends to a recreation feature.

SUB-SECTION SPECIFIC DEFINITIONS
'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.

4.13 Fire Maintained Ecosystems

OBJECTIVES	
Applicable ***"objectives"*:**	• KBHLPO Objective 8 Fire Maintained Ecosystems
Additional legal references:	• None
Additional information:	KBHLPO Objective 8 Fire Maintained Ecosystems: This ***"objective"*** does not require a result and/or strategy as the mapping was never completed.

4.14 Social and Economic Stability

OBJECTIVES	
Applicable ***"objectives"*:**	• KBHLPO Objective 10 Social and Economic Stability
Additional legal references:	• None
Additional information:	KBHLPO Objective 10 Social and Economic Stability: This ***"objective"*** does not require a result and/or strategy.

(The remainder of this page is purposefully blank.)

5 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 4 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 ***"TSM"*** or ***"agreement holders"***. Similar to the discussion under FSP Section 4, 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.)

5.1 Measures to Prevent the Introduction or Spread of Invasive Plants

PRESCRIBED REQUIREMENTS	
Prescribed requirements:	• FPPR Sec. 17 Invasive plants
Additional legal references:	• FRPA Sec. 47 Invasive plants

5.1.1 Invasive Plants

MEASURES
RESPONSIBILITIES OF THE TSM MANAGEMENT GOALS (1) The ***"TSM"*** shall, throughout the term of this FSP, implement the "***measures"*** detailed within this sub-section of the FSP, with the goals of: (1) preventing the introduction or spread of species of plants that are invasive plants under the Invasive Plants Regulation Sec. 2, and priority invasive plant species as identified by the following regional invasive plant management organizations, (a) where a cutblock or road is located within the jurisdiction of the **Boundary Invasive Species Society (BISS)**, an invasive plant species belonging to the regional priority category of: (I) watchlist (prevention), (II) eradication or annual control (priority 1 - high), or (III) containment (priority 2 - med); or (b) where a cutblock or road is located within the jurisdiction of the **Central Kootenay Invasive Species Society (CKISS)**, an invasive plant species belonging to the regional priority category of: (I) prevent (priority 1), (II) eradicate (priority 2), or (III) contain (priority 3); or (c) where a cutblock or road is located within the jurisdiction of the **Columbia Shuswap Invasive Species Society (CSISS)**, an invasive plant species belonging to the regional priority category of: (I) prevent (priority 0) (II) regional EDRR (priority 1), (III) annual control (priority 2), or (IV) containment (priority 3); or (d) where a cutblock or road is located within the jurisdiction of the **East Kootenay Invasive Species Council (EKISC)**, an invasive plant species belonging to the regional priority category of: (I) prevention (priority 0), (II) EDRR/eradication (priority 1), (III) annual control (priority 2), or (IV) containment (priority 3).

hereafter referred to collectively as priority invasive plants, where the introduction or spread is likely to be the result of the ***"TSM's"*** forest practices.

TRAINING AND RECORD KEEPING

(2) The ***"TSM"*** shall, throughout the term of this FSP:

(1) develop invasive plants awareness training prepared and maintained by a ***"qualified professional"***, that includes

(a) guidance related to the identification, management strategies and reporting requirements for priority invasive plants, and

(b) includes the most up-to-date list of priority invasive plants from the appropriate regional invasive species management organization, and

(c) an invasive plants chance find training package consisting of summary guidance based on the invasive plants awareness training, for ***"contractors"*** and ***"agreement holders"***,

(2) deliver and ***"record"*** the provision of invasive plants awareness training 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.

(3) provide an invasive plants chance find training package to ***"contractors"*** and ***"agreement holders"***.

IDENTIFICATION AND REPORTING OF NEW INFESTATIONS

(3) The ***"TSM"*** shall, throughout the term of this FSP, require BCTS staff and ***"contractors"*** to:

(1) identify new field-identified *'infestations'* of priority invasive plants on or within a cutblock or road to which this FSP applies.

(2) where a new field-identified *'infestation'* of a priority invasive plant is discovered on or within a cutblock or road under (1) above, report the *'infestation'* to the provincial Invasive Alien Plant Program as soon as possible and at most within 30 days of discovery.

(3) In this section of the plan infestation means a significant aggregation of one or more priority invasive plants, where a person could reasonably be expected to readily recognize the problem site while otherwise carrying out normal forestry field work.

ASSESSMENT AND MEASURES

(4) 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) undertake an invasive plants assessment, that

(a) identifies existing and new *'infestations'* of priority invasive plants, within or adjacent to a planned cutblock or road

(i) where identified through queries of the provincial Invasive Alien Plant Program database, or

(ii) where identified in the field during the course of normal forestry field work.

(b) identifies "***measures"***, where necessary to prevent the introduction or spread of priority invasive plants where itis likely to be the result of the "***TSM's***" forest practices, including, but not limited to:

(i) restricting "**timber harvesting**" to periods when

- soils are sufficiently frozen, or
- a snowpack is of sufficient depth and firmness;

(ii) limiting soil disturbance considering relevant factors, for example:

- soil and subsoil conditions,
- slopes and topography,
- site moisture,
- seasonal conditions,
- harvest methods, and
- timing of primary forest activities; and/or

(iii) applying a high-quality seed mix, either

- concurrent with timber harvesting, "**road construction**" or "**road deactivation**",
- during the first spring following timber harvesting, "**road construction**" or "**road deactivation**", or
- during the first fall upon completion of timber harvesting, "**road construction**" or "**road deactivation**"; and

(iv) no later than 12 months following the completion of timber harvesting, "**road construction**" or "**road deactivation**".

(c) refers to the most current guidance for the identification of invasive species in British Columbia

for the purpose of identifying ***"measures"*** to prevent the introduction or spread of priority invasive plants where the introduction or spread is likely to be the result of the ***"TSM's"*** forest practices.

(2) *,* prescribe the ***"measures"*** identified in the invasive plants assessment within an operational plan.

(3) where an infestation of a priority invasive plant is identified in an invasive plants assessment, offer to exchange information with the applicable regional invasive plant management organization and/or the district range agrologist about the identification and prescription of ***"measures"***.

(4) In areas of UWR-4-006 where the objective "Open Range" overlaps with the mapped Agricultural Land Reserve (ALR),

(a) apply a high-quality seed mix comprising

(i) preferably a site-specific mix recommended by a provincial Ministry range specialist or other specialist "***qualified professional***", if available, or

(ii) a mix meeting or exceeding the grade of Canada Certified No. 1 Forage Mixture or Common No. 1 Forage Mixture

in areas within the harvested area where an ocular grass seeding assessment identifies a contiguous area of exposed mineral soils of greater than 0.01 hectares, resulting from harvesting activities that are in the harvesting area of the block.

(5) the timing at which the grass-seeding is carried out must be a time that, in the opinion of a ***"qualified professional"***, will provide the earliest highly favorable opportunity for the high-quality seed mix to germinate and establish where it is being applied.

DOCUMENTATION

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

(a) ***"assessments"*** undertaken
(b) *'infestations'* of priority invasive plants and their priority ranking by the regional invasive plant management organization,
(c) ***"measures"*** prescribed,
(d) any information exchanged with the regional invasive plant management organization, and
(e) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(6) 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.

INSPECTION AND CLEANING OF EQUIPMENT

(7) 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) prior to '*equipment'* arriving at the area covered by the ***"project plan"***,

(a) visually inspect the '*equipment*' for attached soil or plant material,

(b) where attached soil or plant material is identified in the inspection, manually remove the material in a location which is removed from the area covered under the ***"project plan"*** but which will avoid the introduction or spread of priority invasive plants to other areas of the forest and range landscape, and
(c) ***"record"*** the inspections, removals of material and the geographic location of the location in which material was removed.

(2) prior to '*equipment'* departing from the area covered by the ***"project plan"***,

(a) visually inspect the '*equipment'* for attached soil or plant material,
(b) where attached soil or plant material is identified in the inspection, manually remove the material in a location which is covered by the ***"project plan"*** but which will avoid the introduction or spread of priority invasive plants to other areas of the forest and range landscape,
(c) ***"record"*** the inspections, removals of material and the geographic location of the location in which material was removed, and
(d) inform the ***"TSM"*** of the location(s) where material was removed under (c) above.

AVOIDING AND WORKING TOWARDS PROBLEM SITES

(8) An ***"agreement holder"*** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and where an infestation has been identified under the ***"project plan"***, for the area associated with that cutblock or road:

(1) avoid the '*infestation'* location for '*equipment'* staging, vehicle parking and log sorting as ***"practicable"***.

(2) carry out **primary forest activities** in a manner that works away from areas least impacted by *'infestations'*, as ***"practicable"***, by

(a) beginning **primary forest activities** on areas

(i) firstly, without an infestation,
(ii) secondly, having an infestation of the lowest ranked category of priority invasive plants of all the infestations covered under the ***"project plan"***,
(iii) thirdly, having the fewest number of infestations on or within a cutblock or road, or
(iv) as otherwise determined by a ***"qualified professional"***; and

(b) working towards cutblocks and roads most impacted by '*infestations'*.

CHANCE FIND PROCEDURES

(9) 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) during the course of normal **primary forest activities,** identify new field-identified '*infestations'* of priority invasive plants discovered on or within a cutblock or road covered under the ***"project plan"*** (following the invasive plants chance find training package***).***

(2) where a new field-identified '*infestation'* of a priority invasive plant is discovered under (1) above,

(a) report the infestation to the provincial Invasive Alien Plant Program within 30 days of discovery, and

(b) inform the ***"TSM"*** of the discovery***.***

SUB-SECTION SPECIFIC DEFINITIONS
'infestation' means a significant aggregation of one or more priority invasive plants, where a person could reasonably be expected to readily recognize the problem site while otherwise carrying out normal forestry field work. '*equipment*' means machinery, culverts, bridges and cattleguards but does not include pickup trucks or larger vehicles used to transport people or equipment.

5.1.2 Road Revegetation

MEASURES

RESPONSIBILITIES OF THE TSM

ROAD REVEGETATION RESPONSIBILITY

(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 and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

(1) identify roads and other roads for which an ***"agreement holder"*** or the ***"TSM"*** will be assigned road revegetation responsibility, which in this plan mean means designated obligations, with respect to revegetation of road exposed mineral soils, for any specific road identified by the ***"TSM"*** which provides industrial access to one or more of the ***"agreement holder's"*** contracts or agreements.

DOCUMENTATION

(2) 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 and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

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

(a) roads and other roads for which an ***"agreement holder"*** has been assigned road revegetation responsibility,
(b) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

REQUEST OF A GRASS SEED CERTIFICATE OF ANALYSIS

(3) The ***"TSM"*** may, when an ***"agreement holder"*** is conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

(1) request from an ***"agreement holder"*** a certificate of analysis for the purpose of confirming that a high quality seed mix conforming to the standards of Canada Certified No. 1 Forage Mixture or Common No. 1 Forage Mixture was utilized by the ***"agreement holder"*** in carrying out the *'revegetation'* of road exposed mineral soils under **strategy** (6), including mineral soils resulting from "road construction" and "road deactivation" that are in

(a) cut and fill slopes along

(b) new permanent maintained roads, and

(c) new permanent deactivated roads;

(d) rehabilitated roads outside of the net area to reforest

(e) existing permanent maintained roads, and existing deactivated roads;

(f) landings, and

(g) roadside work areas.

GRASS SEEDLING ESTABLISHMENT ASSESSMENT AND SUPPLEMENTAL REVEGETATION

(4) The ***"TSM"*** shall, upon completion of **primary forest activities** by an ***"agreement holder"*** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager) for the area associated with that cutblock, road or other road:

(1) where an ***"agreement holder"*** was assigned road revegetation responsibility, undertake a grass seedling or vegetative establishment assessment, consisting of field-based comparison an ocular estimate of vegetation percent cover to a standard

(a) comparison chart for the visual estimation of vegetative cover, within 12 months of the completion of **primary forest activities** by the ***"agreement holder"***.

(2) where a grass seedling or vegetative establishment assessment identifies a contiguous area of road exposed mineral soils of greater than 0.01 hectares with grass seedling or vegetative establishment of less than 50% cover, '*revegetate'* the road exposed mineral soils on the area once, with the primary consideration regarding the timing at which the revegetation is carried out being a time that, in the opinion of a ***"qualified professional"***, will provide the earliest highly favorable opportunity for

(a) the high-quality seed mix or

(b) native vegetative cover, consisting of planted or naturally occurring grasses, herbs, shrubs or trees appropriate to the local ecosystem and soil requirements,

to germinate and establish where it is being applied.

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(5) An ***"agreement holder"*** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

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

REVEGETATION OF ROAD EXPOSED MINERAL SOILS

(6) An ***"agreement holder"*** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

(1) where an ***"agreement holder"*** has been assigned road revegetation responsibility

(a) procure a high-quality seed mix comprising

(i) preferably a site-specific mix recommended by a provincial Ministry range specialist or other specialist "***qualified professional***", if available,

(ii) a mix meeting or exceeding the grade of Canada Certified No. 1 Forage Mixture or Common No. 1 Forage Mixture

including a certificate of analysis, from a seed provider verifying those seeds in a high-quality seed mix conform to the standards of Canada Certified No. 1 Forage Mixture or Common No. 1 Forage Mixture

(b) within cutblocks, revegetate road exposed mineral soils that are not part of the **net area to be reforested (NAR)**, and

(c) external to cutblocks, revegetate road exposed mineral soils, by

(i) applying a high-quality seed mix or establishing vegetative cover greater than 50% ground cover on all areas greater than 0.01 hectares.

(ii) where dry seeding is being undertaken, applying at a rate of 30-50 kilograms per hectare, and

(iii) carrying out the activity no later than 12 months following the formation of road exposed mineral soils.

with the primary consideration regarding the timing at which the *'revegetation'* is carried out being a time that, in the opinion of a ***"qualified professional"***, will provide a highly favorable opportunity for the high-quality seed mix to germinate and establish where it is being applied, as the timing is ***"practicable"*** within the term of the ***"agreement"*** applicable to the ***"project plan"***.

PROVISION OF A GRASS SEED CERTIFICATE OF ANALYSIS

(7) An ***"agreement holder"*** shall, when conducting **primary forest activities** on or within a cutblock or road to which this FSP applies and for any other road which provides industrial access to a cutblock or road to which this FSP applies (unless such other road has been made the responsibility of another industrial user to maintain by the District Manager), for the area associated with that cutblock, road or other road:

(1) where requested by the ***"TSM"*** under **strategy** (3), provide a certificate of analysis to the ***"TSM"***.

SUB-SECTION SPECIFIC DEFINITIONS
'*revegetation'* means establishment of high-quality seed mix or native vegetative cover through seeding, planting or natural growth adequate to minimize soil erosion (greater than 50% ground cover)

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

PRESCRIBED REQUIREMENTS	
Prescribed requirements:	• FPPR Sec. 18 Natural range barriers
Additional legal references:	• FRPA Sec. 48 Natural range barriers

RESULTS AND STRATEGIES

RESPONSIBILITIES OF THE TSM

REFERRAL, ASSESSMENT, AND MANAGEMENT

(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 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) send a ***"referral"*** to

(a) the natural resource district range officer, and
(b) the holder of a range agreement,

specifically including within the ***"referral"***

(c) information about potential impacts to known natural range barriers (including mapped natural range barriers adjacent to planned cutblocks and roads, as available from the BC Geographic Warehouse Natural Range Barriers – Vegetation data layer available at https://catalogue.data.gov.bc.ca/dataset/natural-range-barriers-vegetation), and
(d) a request for information regarding known natural range barriers utilized by the holder of a range agreement.

(2) where a reply to a ***"referral"*** sent under (1) above is received,

(a) offer to exchange information with the natural resource district range officer and/or the holder of a range agreement

(b) if required, undertake a range assessment using information received from the natural resource district range officer and/or holder of a range agreement, that

(i) identifies known natural range barriers (including mapped natural range barriers adjacent to planned cutblocks and roads, as available from the BC Geographic Warehouse Natural Range Barriers – Vegetation data layer available at https://catalogue.data.gov.bc.ca/dataset/natural-range-barriers-vegetation),

(ii) considers how primary forest activities may remove or render ineffective a natural range barrier,

(iii) identifies ***"measures"*** necessary to mitigate the removal or the rendering ineffective of a natural range barrier, for example

- the installation of a range development,
- adjusting timing of grazing
- adjusting pasture boundaries

(iv) 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;

(v) identifies follow-up reviews upon completion of primary forest activities, and

(c) respond with a summary of the range assessment undertaken***.***

(3) where a reply to a ***"referral"*** is not received, undertake a range assessment using information known to the ***"TSM"***.

(4) where a natural range barrier is identified in the field, incorporate the natural range barrier into a range assessment.

(5) where a range assessment identifies ***"measures"*** necessary to mitigate the removal or the rendering ineffective of a natural range barrier, prescribe the ***"measures"*** identified in the range assessment*.*

DOCUMENTATION

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

(a) ***"referrals"*** sent,
(b) ***"assessments"*** undertaken,
(c) natural range barriers identified,
(d) ***"measures"*** prescribed, and
(e) responsibilities of ***"agreement holders"*** under this sub-section of the FSP.

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

RESPONSIBILITIES OF AGREEMENT HOLDERS

IMPLEMENTATION OF THE PROJECT PLAN

(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 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.

(The remainder of this page is purposefully blank.)

6 STOCKING STANDARDS

PRESCRIBED REQUIREMENTS	
Legal references:	• FRPA Sec. 29(2) Free growing stands • FPPR Sec. 16 Stocking standards • FPPR Sec. 44 Free growing stands generally

STOCKING STANDARDS
(1) The ***"TSM"*** establishes, for the purposes of FPPR Sec. 29(2), as included in Appendices 6A1, 6A2, 6B, 6C, 6D, and 6E: (1) within the Arrow, Boundary and Kootenay Lake FDUs, (a) the Selkirk Resource District (DSE) 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 (Appendix 6A1, Appendix 6A2, and Appendix 6A3), and (b) the Selkirk Resource District (DSE) 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 (Appendix 6B); and (2) within the Rocky Mountain FDU, (a) the Rocky Mountain Natural Resource District (DRM) FSP Stocking Standards – Version 4.0 (August 22, 2018), as established by the District Manager of the Rocky Mountain Forest District (Appendix 6C), (b) the Rocky Mountain Forest District (DRM) Partial Cutting Stocking Standards – Version 2.0 (April 1, 2010), as established by the District Manager of the Rocky Mountain Forest District (Appendix 6D), and (c) the Rocky Mountain Resource District (DRM) Fire Management Stocking Standard, Partial Cut – Version August 29, 2016 (Reviewed August 29, 2018), as established by the District Manager of the Rocky Mountain Resource District (Appendix 6E). (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. (3) The ***"TSM***" specifies, for the purposes of FPPR Sec. 16(3) and specifically for: (1) the applicable stocking standards and applicable regeneration date referred to in FPPR Sec. 44(1)(a), and (2) the applicable stocking standards and applicable free growing height referred to in FPPR Sec. 44(1)(b), that the stocking standards included in the applicable appendices apply in all situations and circumstances under this FSP.

(4) Additional specifications:

(1) Minimum Inter Tree Distance (MITD)

A reduced MITR of 1.6 m is allowed in the following circumstances: areas undergoing fill planting or re-planting, sites that have been mechanically site prepped, planting on Hydric or sub-hygric sites, obstacle planting on sites deemed to have high grazing domestic animal pressure or high probability of snow creep, or when planting dry and rocky sites, to optimize microsite selection and obstacle planting. This applies to the Rocky Mountain District FDU.

(2) Late Free Growing Extension under Section 108

For openings in the Rocky Mountain District FDU where S108 is approved, the late Free Growing date will be reset to 20 years from the year of the disturbance.

(3) Conifer growth unimpeded by competitive vegetation

Conifers that have competitive vegetation (birch, aspen, cottonwood, alder or Douglas maple) within a 1 m radius that is taller than the conifer at the time of free growing assessment but are still exhibiting at least 75% of the leader growth of a typical conifer in the stand which is growing free of competition will be considered not impeded. In addition, these conifer trees must not be exhibiting a reduction in leader growth over the previous two growing seasons as further evidence they are truly unimpeded.

(4) Competing Vegetation and Deciduous Trees Not Considered Deleterious

When a Site Plan includes one or more specific wildlife habitat objective(s) where the presence of deciduous trees in beneficial to achieving that objective(s), the “TSM” may determine that brushing of deciduous trees is not needed on the area covered by that site plan, in which case, deciduous trees will not be considered deleterious.

(5) Reduced stocking standards for wildlife habitat values in specific situations

When specifically requested by identified First Nations as a mitigation measure to an identified cultural heritage value and for the purposes of enhancing wildlife habitat for an ungulate species, reduced stocking standards may be applied on up to 5% of the area harvested under this FSP. The reduced stocking standard will be as prescribed by the QRP for the intended value and may be as much as 90% lower than the otherwise applicable district standard for the site.

(6) As District default stocking standards are amended or adopted from time to time, they will be incorporated into the FSP

(The remainder of this page is purposefully blank.)

APPENDICES (EXTERNAL)

The following appendices are filed external to the FSP.

- Appendix 3A – Arrow FDU Map
- Appendix 3B – Boundary FDU Map
- Appendix 3C – Kootenay Lake FDU Map
- Appendix 3D – Rocky Mountain FDU Map
- Appendix 4.1A – MOF FS39A Silviculture Prescription Plot Card
- Appendix 4.1B – TKO Terrain Stability Management Model
- Appendix 4.1C – Statement of Road Conformance
- Appendix 4.2A – KBHLPO Biodiversity Reporting Suite Guidance Document
- Appendix 4.2B – Old Growth Scorecards
- Appendix 4.2C – Guidance for Subscript k
- Appendix 4.5A - Wildlife Tree Retention Calculations
- Appendix 4.5B – BCTS WTRA BMP
- Appendix 4.8 – Designated Community Watersheds in Effect
- Appendix 4.9 – TKO Watershed Assessment and Risk Management Framework
- Appendix 5.1.1 – Regional Invasive Plant Management Organizations Map
- Appendix 6A1 – Selkirk Resource District (DSE) South Columbia Default Stocking Standards – Version 1.0 (April 1, 2018)
- Appendix 6A2 – Selkirk Resource District (DSE) South Columbia Default Stocking Standards – Version 1.0 (April 1, 2018) Amendment #3 (September 16, 2022)
- Appendix 6A3 – Selkirk Resource District (DSE) South Columbia Default Stocking Standards – Version 1.0 (April 1, 2018) Amendment #4 (February 8, 2023)
- Appendix 6A4 – Selkirk Resource District (DSE) Boundary Okanagan Default Stocking Standards (Sep 7, 2021)
- Appendix 6B1 – Selkirk Resource District (DSE) Wildland Urban Interface Default Stocking Standards – Version 1.0 (November 20, 2018)
- Appendix 6B2 – Selkirk Resource District (DSE) Wildland Urban Interface Default Stocking Standards – Amendment #1 (March 20, 2020)
- Appendix 6C – Rocky Mountain Natural Resource District (DRM) FSP Stocking Standards – Version 4.0 (August 22, 2018)
- Appendix 6D – Rocky Mountain Forest District (DRM) Partial Cutting Stocking Standards – Version 2.0 (April 1, 2010)
- Appendix 6E – Rocky Mountain Forest District (DRM) Fire Management Partial Cut Stocking Standards – Version 29Aug2018