

Tolko Industries Ltd.
Southern Interior
Forest Stewardship Plan



Thompson/Okanagan Forest Region

Thompson Rivers Forest District – Kamloops TSA

Cascades Forest District – Merritt TSA

Okanagan-Shuswap Forest District – Okanagan TSA & TFL 49

Selkirk Natural Resource District – Arrow TSA

FSP Term: 5 Years (2018 – 2022)

Commencing: January 1, 2018

FSP ID# 684

Preamble to *FSP*

Tolko Southern Interior Woodlands has prepared this Forest Stewardship Plan (*FSP*) for operations within the Thompson Rivers, Cascades, Okanagan-Shuswap and Selkirk Natural Resource Districts.

The *FSP* defines Forest Development Units (*FDU*'s) within which timber harvesting and road construction activities may occur during the 5-year term of the plan. These activities must be conducted consistent with the results, strategies, measures and standards specified in the *FSP* which in turn must be consistent with the objectives set by *government* for the resource values found within the *FDU*'s of the *FSP*. Despite the exemption from the requirement to prepare a result or strategy for the objective set by *government* for timber provided by *FPPR* section 12(8), a result or strategy for the *FPPR* section 6 Timber Objective has been specified. The *FSP holder* must achieve a result, carry out a strategy, meet a stocking standard or implement a measure in the *FSP* only to the extent that doing so is consistent with the *FSP holders* timber harvesting rights under a *licence* in that it does not unduly constrain the ability of the *FSP holder* to exercise those rights.

This *FSP* is structured to include the following components:

- **Administration and Interpretation (Part 1)** provides definitions of terms used in the *FSP*; links to specific legislation; the overall organization of the *FSP*; provisions for cancellation and exemption; and authorities from *government*.
- **Term (Part 2)** provides details on the date the *FSP* was submitted to *government* for approval; the specified term of the *FSP*; and the commencement date of the *FSP*.
- **Application of the *FSP* (Part 3)** specifies what the *FSP* applies to, including which *Licences* and *agreement holders* and provides for dis-application of a *licence* or *agreement holder* from the *FSP*.
- **Forest Development Units (Part 4)** outlines five *FDU*'s applicable to the *FSP*, specifies which *licences* and *agreement holders* will operate within each *FDU*, and provides an *FDU* Overview Map.
- **Results or Strategies (Part 5)** specifies results or strategies consistent to the extent *practicable* with each applicable objective set by *government*. Each objective is summarized and sourced. In some instances, such as the objective for Soils, there exists a default practice requirement that has been adopted as the result or strategy for the *FSP*; in other instances, this plan either replaces the default or in situations in which there is no such default it proposes a result or strategy designed to be consistent with *governments* established objective. Sources of objectives addressed by the plan include:
 - objectives prescribed under *FRPA* 149 (1);
 - objectives established under *FPC* and continued under *FRPA* 181 for Specified Designations designated under *FPC* and continued under *FRPA* 180;
 - objectives established under section 93.4 of the Land Act,
 - objectives established under *FPC* section 3-5, and continued under Land Act section 93.8 as an objective established under Land Act section 93.4; and
 - objectives established through the Government Actions Regulation.
- **Measures (Part 6)**, specifies measures for invasive plants and natural range barriers as required by *FPPR* sections 17 and 18.

- **Stocking Standards (Part 7)** provides background information on the requirements for stocking standards; the election of stocking standards generally for each *cutblock* and any specified variations from the stocking standards.
- **Signatures (Part 8)**, includes the signatures of the Preparing Forester, the person required to prepare the plan.
- **Appendices** include Stocking Standards (Appendix A); Objectives for Interpretive Forest Sites, Recreation Sites or Recreation Trails continued under *FPPR* section 181 (Appendix B); Fly Hills Marten RMZ Sub-units (Appendix C); *FSP* Maps (Appendix D); and *FSP* Notice, Review and Comment (Appendix E).

Table of Contents

1	ADMINISTRATION AND INTERPRETATION	1
1.1	Definitions.....	1
1.2	Relevant Date for Legislation and Objective References	4
1.3	Definition from Legislation.....	4
1.4	Changes to Legislation.....	4
1.5	Expressions Inclusive.....	5
1.6	Organization	5
1.7	Headings and Preamble.....	5
1.8	Appendices Part of <i>FSP</i>	5
1.9	Application of Results and Strategies	5
1.10	Cancellation of Designation, Objective, Notice, Species or Order.....	5
1.11	Exemptions under <i>FPPR</i> section 7	6
1.12	Conditional Exemptions under <i>FPPR</i> section 12.....	6
1.13	Protection of Existing CPs and RPs.....	6
1.14	Authority from Government.....	6
1.15	No Prohibition on Activities Otherwise Permitted or Required.....	7
2	TERM	7
2.1	Date of Submission	7
2.2	Term	7
2.3	Commencement of Term	7
3	APPLICATION	8
3.1	Application to Agreements and Holders of Agreements	8
3.2	Dis-application of <i>FSP</i>	8
3.3	Cutblocks or Roads Approved under a Previous <i>FSP</i>	9
4	FOREST DEVELOPMENT UNITS	10
4.1	Forest Development Units.....	10
4.2	<i>FDU</i> Overview Map	11
4.3	Identifying Required Values within Forest Development Units	12
5	RESULTS AND STRATEGIES	13
5.1	Timber	13
5.2	Soils.....	14
5.3	Wildlife - <i>FPPR</i> section 7(1) Species at Risk and <i>KHLPO</i> Wildlife Objectives	14
5.4	Wildlife - <i>OSLRMP LUO</i> Wildlife Objectives	29
5.5	Water, Fish, Wildlife and Biodiversity within Riparian Areas	36

5.6	Retention of Trees in a Riparian Management Zone	36
5.7	<i>OSLRMP LUO</i> Enhanced Riparian Management Zone Retention	38
5.8	<i>OSLRMP LUO</i> Enhanced Riparian Reserves.....	39
5.9	<i>KHLPO</i> Riparian Management Areas and Inland Fisheries	40
5.10	<i>KHLPO</i> Water Management	40
5.11	<i>KBHLPO</i> Consumptive Use of Streams.....	41
5.12	Fisheries Sensitive Watersheds.....	42
5.13	Water in Community Watersheds	43
5.14	Wildlife and Biodiversity – Landscape Level.....	44
5.15	Wildlife and Biodiversity – Stand Level	46
5.16	Old Growth Management.....	48
5.17	<i>OSLRMP LUO</i> Basic Levels of Coarse Woody Debris Areas	52
5.18	<i>OSLRMP LUO</i> Basic and Enhanced Levels of Coarse Woody Debris Areas	52
5.19	Visual Quality	54
5.20	Cultural Heritage Resources	59
5.21	<i>KHLPO</i> Archaeological Assessments	61
5.22	Interpretive Forest Sites, Recreation Sites or Recreation Trails.....	62
5.23	<i>KHLPO</i> Recreation and Tourism Zones	63
5.24	<i>KHLPO</i> Remote Recreation and Tourism Zones.....	64
5.25	<i>OSLRMP LUO</i> Intensive Recreation Areas	64
5.26	<i>OSLRMP LUO</i> Regionally Significant Trail Corridors	66
5.27	<i>KHLPO</i> Settlement Resource Management Zones	67
5.28	<i>OSLRMP LUO</i> Community/Crown Interface.....	68
5.29	<i>KHLPO</i> Range.....	68
6	Measures.....	71
6.1	Invasive Plants	71
6.2	Natural Range Barriers	72
7	Stocking Standards	74
7.1	Establishment of Free Growing Stands	74
7.2	Definitions.....	74
7.3	Stocking Standards <i>FDU #1-Kamloops, FDU #2-Merritt</i>	75
7.4	Stocking Standards <i>FDU #3-Okanagan, FDU #4-TFL 49, FDU #5-Arrow</i>	79
8	Signatures of the Preparing Forester and the Person Required to Prepare the Plan	82
8.1	Signature of Preparing Forester.....	82
8.2	Signature of Person Required to Prepare the Plan.....	82

APPENDICES	83
Appendix A – Stocking Standards	83
Appendix B – Objectives for Interpretive Forest Sites, Recreation Sites or Recreation Trails continued under <i>FPPR</i> section 181.	110
Appendix C – Fly Hills Marten RMZ Sub-Units Map	130
Appendix D – Forest Stewardship Plan Maps by <i>FDU</i>	131
Appendix E – Notice, Review and Comment	132

1 ADMINISTRATION AND INTERPRETATION

1.1 Definitions

Definitions appearing in the body of this *FSP* are presented in *italics* for ease of recognition.

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

1. **“Act”** means the *Forest and Range Practices Act* RSBC 2002, c.69;
2. **“adjacent”** as defined in *FPPR* 65(1) means “an area that is sufficiently close to a cutblock that, due to its location, could directly impact on, or be impacted by, a forest practice carried out within the cutblock”;
3. **“administrative boundary”** means features including but not limited to private property lines, area-based tenure boundaries, protected area boundaries, or boundaries associated with the buffer of an inventory permanent sample plot that may influence primary forest activities;
4. **“agreement”** means an agreement listed in Paragraph 3.1, unless this *FSP* no longer applies to that agreement;
5. **“agreement holder”** is defined in *FPPR* section 1 and “means a holder of an agreement under the *Forest Act*, other than a woodlot licence” and for the purpose of this *FSP*, applies to the agreement holders listed in Paragraph 3.1, or any successor or assignee of that *agreement*, unless this *FSP* no longer applies to that agreement holder;
6. **“applicable SAR notice”** means
 - (i) a notice issued under *FPPR* section 7(2) entitled:
 - a) “NOTICE – INDICATORS OF THE AMOUNT, DISTRIBUTION AND ATTRIBUTES OF WILDLIFE HABITAT REQUIRED FOR THE SURVIVAL OF SPECIES AT RISK IN THE ARROW BOUNDARY FOREST DISTRICT” dated December 30, 2004;
 - b) “NOTICE –INDICATORS OF THE AMOUNT, DISTRIBUTION AND ATTRIBUTES OF WILDLIFE HABITAT REQUIRED FOR THE SURVIVAL OF SPECIES AT RISK IN THE OKANAGAN SHUSWAP FOREST DISTRICT” dated December 30, 2004;
 - c) “NOTICE – INDICATORS OF THE AMOUNT, DISTRIBUTION AND ATTRIBUTES OF WILDLIFE HABITAT REQUIRED FOR THE SURVIVAL OF SPECIES AT RISK IN THE CASCADES FOREST DISTRICT” dated December 30, 2004;
 - d) “NOTICE – INDICATORS OF THE AMOUNT, DISTRIBUTION AND ATTRIBUTES OF WILDLIFE HABITAT REQUIRED FOR THE SURVIVAL OF SPECIES AT RISK IN THE HEADWATERS FOREST DISTRICT” dated December 30, 2004; or
 - (ii) The undated document entitled “BACKGROUND INFORMATION FOR WILDLIFE HABITAT FOR SPECIES AT RISK OBJECTIVES UNDER THE KAMLOOPS LAND AND RESOURCE MANAGEMENT PLAN, IN THE KAMLOOPS FOREST DISTRICT”.
7. **“BEC”** means Biogeoclimatic Ecosystem Classification;
8. **“CP”** means a Cutting Permit;
9. **“current”** means, in the context of a *FSP*, timber sale licence, *CP* or *RP*, an approved document that has not expired or been replaced;
10. **“cutblock”** means an area:
 - (i) in which a holder of a Licence has harvested timber under a *CP* or timber sale licence; or
 - (ii) in which a holder of a Licence is authorized to harvest timber but where harvesting has not occurred;

11. **“damaged timber”** means timber that has been or is in imminent danger of being damaged, significantly reduced in value, lost or destroyed due to damage agents such as fire, insect infestation, disease, or wind, as determined by a *qualified professional*.
12. **“damaged timber assessment”** means an assessment of a stand of *damaged timber* completed by a *qualified professional*, that will:
 - (i) Evaluate the nature, amount, severity and distribution of the timber damage agent(s) and the resulting damage to timber;
 - (ii) Evaluate the likelihood of spread of the timber damage agent(s), and the potential for damage to additional timber; and
 - (iii) Contain applicable primary forest activity recommendations necessary to be consistent to the extent *practicable* with all of the applicable objectives set by *government*, while limiting the activities to the extent necessary to address the *damaged timber*.
13. **“dbh”** means diameter breast height, a standard method of expressing the diameter of the bole of a tree, generally measured at a height 1.3 metres above the point of germination.
14. **“established cutblock”** means a cutblock that has been:
 - (i) harvested under a licence to which this *FSP* applies;
 - (ii) declared under this *FSP*;
 - (iii) included within a *current CP* issued under a licence to which this *FSP* applies, whether the *CP* is or is not subject to this *FSP*; or
 - (iv) identified spatially in the BC Geographic Warehouse as a cutblock:
 - a) harvested under a timber sale licence or *major licence* to which this *FSP* does not apply; or
 - b) included in a timber sale licence or *current CP* issued under a *major licence* to which this *FSP* does not apply.
15. **“established road”** means a road that has been:
 - (i) constructed under a *CP* or *RP* issued under or associated with a licence to which this *FSP* applies;
 - (ii) declared under this *FSP*;
 - (iii) included within a *current CP* or *RP* issued under or associated with a licence to which this *FSP* applies, whether the *CP* or *RP* is or is not subject to this *FSP*;
 - (iv) identified spatially in the BC Geographic Warehouse as a road:
 - a) constructed by a person other than a *holder* of this *FSP*; or
 - b) included within a *CP* or *RP* issued in respect of a Licence to which this *FSP* does not apply.
16. **“FDU”** means a Forest Development Unit;
17. **“Forest Act”** means the Forest Act R.S.B.C. 1996, c.157;
18. **“forested area”** means a polygon identified in the *VRI* as contributing to the forest management land base, as indicated by the Forest Management Land base Indicator attribute. This attribute indicates whether a polygon is forested or has been forested and is capable of producing a stand of trees. Polygons classified as lakes, rock, alpine, shrub and wetland are not considered forested area.
19. **“FPC”** means the Forest Practices Code of British Columbia Act R.S.B.C. 1996, c. 159 and all regulations there under;
20. **“FPPR”** means the Forest Planning and Practices Regulation B.C. Reg. 14/2004;
21. **“FRPA”** means the **“Act”** and the regulations there under;
22. **“FSP”** means a Forest Stewardship Plan;
23. **“FSP holder” or “holder”** means the *agreement* holders listed in Paragraph 3.1, or any successor or assignee of that *agreement*, unless this *FSP* no longer applies to that *agreement holder*;

24. **“GAR”** means the Government Actions Regulation B.C. Reg. 582/2004;
25. **“government”** means the government of British Columbia;
26. **“height”** means the average height of a specified forested area, as confirmed by:
 - (i) *VRI* attribute PROJ_HEIGHT_1; or
 - (ii) a survey that is available to or completed by the *FSP holder*.
27. **“initial silviculture activities”** means the latter of site preparation, initial reforestation including tree planting or direct seeding, or debris pile burning;
28. **“KBHLPO”** means the Kootenay Boundary Higher Level Plan Order, established pursuant to FPC sections 3(1), 3(2), and 9.1, objectives of which are continued under section 93.8 of the Land Act as objectives established by the *minister* under section 93.4 of the Land Act, and effective October 26, 2002;
29. **“KHLPO”** means the Kamloops Higher Level Plan Order, established pursuant to section 93.4 of the Land Act, and dated Jan 8, 2009;
30. **“KLRMP”** means the Kamloops Land and Resource Management Plan;
31. **“legislated planning date”** means:
 - (i) subject to Clause (ii), the date 4 months before the date of submission; or
 - (ii) if an enactment or an objective set by *government* requires that a date different than the date referred to in Clause (i) be applied under this *FSP*, then that different date;
32. **“licence”** means an agreement under the *Forest Act*;
33. **“major licence”** has the meaning given to it under the *Forest Act*;
34. **“minister”** means the minister responsible for the *Forest Act*;
35. **“net area to reforest”** or **“NAR”** has the meaning given to it in FPPR section 1 (2);
36. **“OGMA”** means an Old Growth Management Area as defined in Paragraphs 5.16.1.1, 5.16.3.1, and 5.16.4.1;
37. **“OSLRMP”** means the Okanagan-Shuswap Land and Resource Management Plan;
38. **“OSLRMP LUO”** or **“LUO”** means the “*PROVINCE OF BRITISH COLUMBIA, ORDER OF THE MINISTER OF AGRICULTURE AND LANDS ESTABLISHING OBJECTIVES SET BY GOVERNMENT IN THE AREA COVERED BY THE OKANAGAN-SHUSWAP LAND AND RESOURCE MANAGEMENT PLAN IN THE OKANAGAN SHUSWAP FOREST DISTRICT*”, established pursuant to section 93.4 of the Land Act, and effective March 1, 2007;
39. **“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;
40. **“primary forest activity”** has the meaning given to it in FPPR section 1, and “means one or more of the following:
 - (i) timber harvesting;
 - (ii) silviculture treatments; or
 - (iii) road construction, maintenance and deactivation”;
41. **“proposed wildlife habitat area”** means an area that is:
 - (i) located outside of an *established cutblock* or *established road*; and
 - (ii) identified by the ministry responsible for environment in a review and comment referral package provided to the *FSP holder* not less than 12 months prior to a cutting authority application or amendment over that area, as being under consideration for establishment as a *wildlife habitat area*;
42. **“qualified professional”** means a registered member in good standing with a professional association whose training, ability and experience makes the member professionally competent in the relevant area of practice;
43. **“range agreement”** means a grazing tenure held by a range agreement holder and issued under the *Range Act* or *Land Act*. Spatial and attribute data for range agreements are housed in the BC Geographic Warehouse.
44. **“road”** has the meaning given to it in FPPR section 1;
45. **“RP”** means a road permit;
46. **“safety hazard”** means a situation or circumstance the *holder* determines to be a potential source of harm to workers based on WorkSafe BC regulations and policies, or the general public.

Safety hazards include but are not limited to danger trees (snags), inadequate visibility, falling objects, steep slopes, unstable terrain, etc;

47. “**scenic area**” has the meaning given to it under *FPPR* section 1;
48. “**THLB**” means Timber Harvesting Land Base as defined in the Timber Supply Review document for the Timber Supply Areas applicable to this *FSP*;
49. “**TSA**” means a timber supply area;
50. “**VRI**” means Vegetation Resource Inventory, the photo-based inventory data of the BC provincial forest which is housed in the BC Geographic Warehouse. The VRI data that is relevant to specific *FSP* results or strategies is the version of VRI that is available not less than 18 months prior to cutting authority application or amendment;
51. “**wildlife habitat area**” as defined in *FPPR* section1 “means a wildlife habitat area
 - (i) continued under section 180 (b) [grandparenting specified designations] of the *Act*, or
 - (ii) established under the Government Actions Regulation”.

1.2 Relevant Date for Legislation and Objective References

In this *FSP*, unless this *FSP* specifies otherwise:

- a) reference to legislation, an established objective, a notice under section 7(2) of the *FPPR*, a designation of a species to which such a notice or established objective applies, an establishment of an area referred to in section 14(3)(a) to (i) of the *FPPR* or an order made by *government* means that legislation, established objective, notice, designation, area or order as it was on the *legislated planning date*; and
- b) without limiting the generality of sub-paragraph a), but by way of illustrating examples, the references to:
 - (i) sections of the *FPPR* in Paragraphs 5.2.1;
 - (ii) notices in Paragraphs 5.3.1 and 5.3.3;
 - (iii) *scenic areas* and visual quality objectives in Paragraph 5.19.2 ;
 - (iv) the Invasive Plants Regulation in Paragraph 6.1,

are references to those sections, notices, *scenic areas*, visual quality objectives, and regulations as they were on the *legislated planning date*, unless such legislation is repealed or notice, designation, objective or order is cancelled, in which case the reference to that legislation, notice, designation, objective or order does not apply.

1.3 Definition from Legislation

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

1.4 Changes to Legislation

Subject to Paragraph 1.2, if legislation referred to in this *FSP* is renamed or a provision of legislation referred to in this *FSP* is renumbered, the reference in this *FSP* is to be construed as a reference to the provision as renamed or renumbered, as the case may be.

1.5 Expressions Inclusive

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

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

1.6 Organization

This *FSP* is divided into parts, paragraphs, subparagraphs, clauses, sub-clauses and sections, illustrated as follows:

- 1. Part;
- 1.1 Paragraph;
- (a) Subparagraph;
- (i) Clause;
- (A) Sub-clause;
- (I) Section,

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

1.7 Headings and Preamble

The headings and Preamble in this *FSP* are for ease of reference only and are not to be construed as part of this *FSP*.

1.8 Appendices Part of *FSP*

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

1.9 Application of Results and Strategies

Each result and strategy in this *FSP* applies to an area that is subject to a *CP* or *RP* held by an *agreement holder*. Notwithstanding the foregoing, in a proceeding in respect of an alleged failure to achieve a result or carry out a strategy, the result or strategy applies only to the *agreement holder* whose *CP* or *RP* is located in the area subject to the proceeding.

1.10 Cancellation of Designation, Objective, Notice, Species or Order

Without limiting any other provision in this *FSP*, if:

- a) a designation or other thing referred to in Paragraph 4.3, other than a cutting permit or a *road* permit;
- b) an established objective;
- c) a notice under section 7 of the *FPPR*;
- d) a designation of a species; or
- e) an order in respect of the foregoing,

for or in respect of which a result or strategy is included under this *FSP*, is cancelled or is otherwise no longer in effect, the result or strategy under this *FSP* pertaining to the thing referred to in subparagraph (a) to (e) no longer applies effective the date that thing is cancelled or otherwise no longer in effect.

1.11 Exemptions under *FPPR* section 7

If an exemption is given under section 7(3) of the *FPPR* that applies in respect of a species and an area to which a result or strategy in this *FSP* pertains, that result or strategy does not apply to the extent of the exemption.

1.12 Conditional Exemptions under *FPPR* section 12

The *FSP holder* is exempt from the *FPPR* practice requirement sections specified in Table 1.12 by including an applicable result or strategy in this approved *FSP*:

Table 1.12 Conditional Exemptions		
Paragraph in this <i>FSP</i>	<i>FPPR</i> section providing Conditional Exemption	<i>FPPR</i> Practice Requirement section to which the Exemption Applies
5.14.2	12.4 (1)	64 (1)
5.14.2	12.4 (2)	65 (2)
5.15.2	12.5 (1)	66
5.15.3	12.5 (2)	67

1.13 Protection of Existing CPs and RPs

Unless specified otherwise in this *FSP*, an area within a *FDU* is not subject to a result or strategy under Part 5, a measure under Part 6 or a stocking standard under Part 7 if:

- the area is subject to a cutting permit or *road* permit that, under section 19(1) of the *Act*, is not affected by approval of this *FSP*;
- section 7(1) of the *Act* provides that such an area is considered to have received the Minister's approval under section 16(1) of the *Act* for that area without being subject to such result, strategy, measure or stocking standard;
- in respect of a result or strategy, section 2(2) of the *GAR* provides that the objective to which it pertains does not apply to the area;
- in respect of a result or strategy, the objective to which that result or strategy pertains specifies that the objective does not apply to the area; or
- FRPA* otherwise provides that the area is not subject to such component of this *FSP*.

1.14 Authority from Government

Without limiting any other provision in this *FSP*, this *FSP* does not apply to a *primary forest activity* undertaken by an *agreement holder* if and to the extent the *government*, with the consent of the *agreement holder*, expressly authorizes such activities to be undertaken in a manner that differs from the requirements of this *FSP*.

1.15 No Prohibition on Activities Otherwise Permitted or Required

Despite any other provision in this *FSP*, nothing in this *FSP* prevents, affects or limits an *agreement holder* from carrying out an activity permitted by section 4(1.1) of the *FPPR*.

The provisions of this *FSP* do not apply to the extent necessary to allow the *holder* of this *FSP* and its employees, servants, agents, contractors and subcontractors to carry out fire control or suppression in accordance with an enactment.

2 TERM

2.1 Date of Submission

The date of submission of this *FSP* for approval is September 15, 2017.

2.2 Term

For the purposes of section 6(1) (a) of the *Act*, the term of this *FSP* is 5 years, commencing on the date specified in Paragraph 2.3 unless:

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

2.3 Commencement of Term

For the purposes of section 6(1) (b) of the *Act*, the term of this *FSP* commences on January 1, 2018.

3 APPLICATION

3.1 Application to Agreements and Holders of Agreements

For the purposes of *FRPA* section 3(4), this *FSP* applies to each cutting permit issued and each *road* permit granted:

- a) on or after the date the term of this *FSP* commences, as specified in Paragraph 2.3;
- b) within an *FDU*; and
- c) in respect of the *agreements* under the *Forest Act* and the *agreement holders* specified in Table 3.1.

Table 3.1 <i>FSP</i> Agreement Holders and Agreements				
<i>FDU</i> Number	<i>FDU</i> Name	TSA/TFL	Agreement Holder	Forest Act Agreement
1	Kamloops	Kamloops	Tolko Industries Ltd.	FLs A18686, A84658
1	Kamloops	Kamloops	Ashcroft Indian Band	NRFL A89985
1	Kamloops	Kamloops	Skeetchestn Indian Band	RFL A89992 NRFLs A88945, A91367
1	Kamloops	Kamloops	Gilbert Smith Forest Products Ltd.	FLs A18692, A89106
1	Kamloops	Kamloops	Neskonlith Indian Band	RFL A89989
1	Kamloops	Kamloops	West Fraser	FL A18694
1	Kamloops	Kamloops	Tk'emlupsemc Forestry Development Corp	NRFL A73555, RFL A89987
2	Merritt	Merritt	Tolko Industries Ltd.	FLs A18696, A18697, A74911
2	Merritt	Merritt	Upper Nicola Band	FL A84497
3	Okanagan	Okanagan	Tolko Industries Ltd.	FLs A18667, A18672, A74912, TL T0816
3	Okanagan	Okanagan	Stella-Jones Inc.	FLs A18632, A18666
3	Okanagan	Okanagan	Gorman Bros. Lumber Ltd.	FL A18671
3	Okanagan	Okanagan	Yucwmenlucwu ("Caretakers of the Land") LLP	RFL A89359
3	Okanagan	Okanagan	Monashee Community Forest	K2X
3	Okanagan	Okanagan	Okanagan Indian Band	FL A91117
4	TFL 49	TFL 49	Tolko Industries Ltd.	TFL 49
5	Arrow	Arrow	Tolko Industries Ltd.	FL A20191
5	Arrow	Arrow	Yucwmenlucwu ("Caretakers of the Land") LLP	FL A73614

3.2 Dis-application of *FSP*

At any time during the term of this *FSP*, an *agreement holder* may elect to dis-apply this *FSP* from an *agreement* it holds, as specified in Paragraph 3.1.

3.3 Cutblocks or Roads Approved under a Previous *FSP*

Consistent with *FRPA* section 21(2), *cutblocks* or *roads* approved under a previous *FSP* or FDP will be subject to this *FSP* for a result or strategy under Part 5, a measure under Part 6 or a stocking standard under Part 7 if an amendment to the *cutblock* or *road* site plan states that the application of the current *FSP* provision applies.

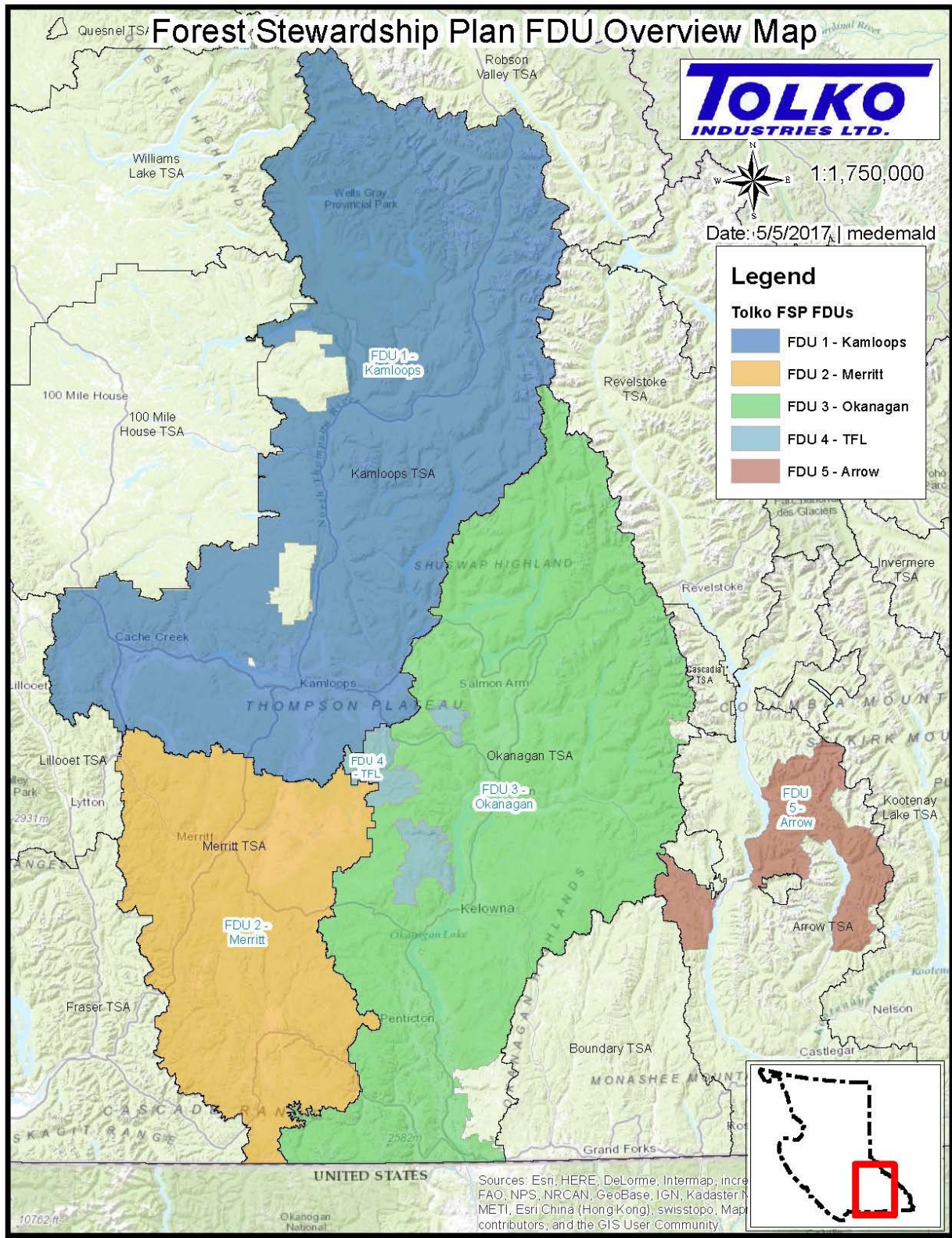
4 FOREST DEVELOPMENT UNITS

4.1 Forest Development Units

For the purposes of the *FRPA* section 5(1)(a)(ii) and *FPPR* section 14(1)(a), the *FDUs* that apply to *agreement holders* and *agreements* specified in Paragraph 3.1 are indicated in Table 4.1 and shown on the Forest Stewardship Plan Maps in Appendix D to this *FSP*. An overview map is shown in section 4.2 for illustrative purposes.

Table 4.1 Forest Development Units		
<i>FDU</i> Number	<i>FDU</i> Name	Description
1	Kamloops	Kamloops TSA, excluding <i>KLRMP</i> Battle Bluffs Habitat Resource Management Zone H10
2	Merritt	Merritt TSA
3	Okanagan	Okanagan TSA and Monashee Community Forest
4	TFL 49	TFL 49 Area
5	Arrow	Portions of the Arrow TSA as indicated on the <i>FSP</i> maps in Appendix D

4.2 FDU Overview Map



4.3 Identifying Required Values within Forest Development Units

For the purposes of *FPPR* sections 14(2) and (3), Table 4.2.1 and the Forest Stewardship Plan Maps in Appendix D to this *FSP* identify the things referred to in those sections that are in the *FDUs* and in effect as of the *legislated planning date*. These items include: ungulate winter range, wildlife habitat area, fisheries sensitive watershed, scenic area, community watershed, old growth management area, area in which commercial harvesting is prohibited by another enactment, and cutting permits and road permits that are held by the *agreement holder* if that is the person required to prepare the plan.

Table 4.2.1 Cutting Permits and Road Permits held by the agreement holder that is the person required to prepare the plan, and are in effect as of the legislated planning date		
FDU #	Licence	Cutting Permit/Road Permit
1	FL A18686	CP's 252, 257, 258, 259, 260, 261, 363, 369, 373, 377, 378, 379, 382, 386, 393, 394, 398, 400, 401, 403. (timbermark prefix ES4) RP R13467
1	FL A84658	CP's 112, 115, 116, 255, 390, 402, 994, 15K. (timbermark prefix DG2) RP R17009
2	FL A18696	CP's 636, 811 (timbermark prefix EU5) RP R07748
2	FL A18697	CP's 217, 229, 267, 289, 293, 295, 296, 346, 349, 350, 351, 456, 459, 544, 557, 558, 560, 566, 567, 568, 569, 570, 571, 572, 574, 630, 635, 637, 638, 740, 751, 752, 753, 764. (timbermark prefix EU6) RP R07753
2	FL A74911	CP's 203, 204, 211, 214, 215, 265, 268, 290, 294, 298, 299, 352, 451, 454, 458, 551, 554, 559, 563, 573, 634, 639, 640, 641, 728, 744, 746, 748, 754, 812, 813, 814, 815. (timbermark prefix BJ5) RP R14883
3	FL A18667	CP's 243, 247, 253, 361, 377, 400, 463, 467, 470, 473, 496, 497, 501, 533, 538, 539, 542, 545, 547, 548, 573, 577, 679, 689, 701, 702, 785, 806, 817, 930, 939, 982, 984, 988, 989. (timbermark prefix ER4) RP R07604
3	FL A18672	CP's 101, 102, 104, 105, 106, 108, 109, 205, 313, 340, 348, 352, 361, 398, 412, 419, 420, 430, 445, 450, 454, 455, 458, 459, 460, 464, 466, 467, 468, 469, 470, 471, 473, 476, 479, 481, 484, 485, 487, 488, 489, 490, 492, 493, 494, 495, 496, 497, 498, 533, 534, 535, 536, 537, 538, 540, 543, 544, 546, 547, 549, 551, 553, 554, 555, 558, 559, 563, 564, 565, 566, 567, 568, 569, 607, 631, 632, 648, 653, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 667, 668, 670, 748, 781, 812, 813, 850, 912, 914, 915. (timbermark prefix ER9) RP R07605
3	FL A74912	CP's 303, 328, 343, 388, 389, 532, 541, 589, 603, 604, 802, 919, 921, 922, 923, 924, 926, 927, 928, 929, 930, 931, 932, 933, 935, 936, 937, 938, 939, 940, 941, 942, 943, 945, 946, 947, 948, N66, N72, N76, N78, N86, N87, N90, N91, N94, N95, N96. (timbermark prefix BJ6) RP R14669
3	TL T0816	CP's AC, AD, EB, GA, (timbermark prefix TAXB) CP J (timbermark prefix T0816) RP R07603
4	TFL 49	CP's 571, 696, 698, 738, 745, 746, 750, 754, 760, 763, 764, 765, 766, 859, 860, 868, 981, 983, 989, 990, 991, 992, 993, 997, N64, N65, N73, N82, N89, N90, N97. (timbermark prefix 49/) RP R07602
5	FL A20191	CP 85 (timbermark prefix FA7) RP R04298

5 RESULTS AND STRATEGIES

5.1 Timber

Source of Objective: <i>FPPR</i> section 6 Timber
The objectives set by government for timber are to a) Maintain or enhance an economically valuable supply of commercial timber from British Columbia's forests, b) Ensure that delivered wood costs, generally, after taking into account the effect on them of the relevant provisions of this regulation and of the Act, are competitive in relation to equivalent costs in relation to regulated primary forest activities in other jurisdictions, and c) Ensure that the provisions of this regulation and of the Act that pertain to primary forest activities do not unduly constrain the ability of a holder of an agreement under the <i>Forest Act</i> to exercise the holder's right under the agreement.
Applicable FDUs: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

5.1.1 Definitions

For the purposes of this result or strategy:

“unduly constrained” means that the ability of the *FSP holder* to exercise its timber harvesting rights under a *licence* is deemed to be unduly constrained if the *FSP holder* cannot fully exercise those rights over the cut control period applicable to the licence under the *Forest Act*; and

“less competitive” means that the delivered wood costs incurred by the *FSP holder* in exercising its timber harvesting rights under the licence are deemed to be less competitive than equivalent costs in relation to regulated primary forest activities in other jurisdictions if they exceed those costs.

5.1.2 Result or Strategy for Timber

Applicable FDUs: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

For the purposes of FRPA section 5(2), *FPPR* section 6 and *FPPR* section 27, the *FSP holder* must achieve a result, carry out a strategy, meet a stocking standard or implement a measure in this *FSP* only to the extent that doing so is consistent with the *FSP holders* timber harvesting rights under a *licence* in that it does not:

1. *unduly constrain* the ability of the *FSP holder* to exercise those rights; or
2. cause the delivered wood costs incurred by the *FSP holder* in exercising those rights to be *less competitive* than equivalent costs in relation to regulated *primary forest activities* in other jurisdictions.

5.2 Soils

Source of Objective: <i>FPPR</i> section 5 Soils
The objective set by government for soils is, without unduly reducing the supply of timber from British Columbia's forests, to conserve the productivity and the hydrologic function of soils.
Applicable <i>FDUs</i>: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

5.2.1 Result or Strategy for Soils

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objective set by *government* for soils that is set out in section 5 of the *FPPR*, the *FSP* holder adopts as a strategy, *FPPR* section 35 (*Soil disturbance limits*) and *FPPR* section 36 (*Permanent access structure limits*) as those sections were on the *legislated planning date* of this *FSP*.

5.3 Wildlife - *FPPR* section 7(1) Species at Risk and *KHLPO* Wildlife Objectives

5.3.1 *KHLPO* Mountain Goat

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for (a) the survival of species at risk, (b) regionally important wildlife, and (c) the winter survival of specified ungulate species.
Source of Objective: <i>KHLPO</i> section 2.1.3.1
To conserve the diversity and abundance of native species and their habitats throughout the Kamloops LRMP.
Source of Objective: <i>KHLPO</i> section 2.1.12
Ensure habitat needs of all naturally occurring wildlife species are provided for. Special attention will be paid to those red- and blue-listed species, as defined by Ministry of Environment, and species designated as regionally important (e.g. Mule Deer).
Source of Objective: <i>KHLPO</i> section 2.5.1
The overall objective of special resource management zones for habitat and wildlife management areas is to: maintain or enhance identified <i>wildlife habitat areas</i> .
Applicable <i>FDUs</i>: #1-Kamloops

5.3.1.1 Definitions

For the purposes of this result or strategy:

“Mountain Goat winter range” means areas that are identified as mountain goat winter range, provided as spatial data supporting the *FPPR* section 7(2) Notice for Mountain Goat.

“escape terrain” means rock outcrops or cliffs with slopes greater than 60%, within *Mountain Goat Winter Range*.

“**early seral state**” means a *VRI* polygon with an age less than 40 years as determined by *VRI* attribute PROJ_AGE_1.

5.3.1.2 Result or Strategy for *KHLPO* Mountain Goat

Applicable *FDU*: #1-Kamloops

In relation to the objectives set by *government* for the winter survival of Mountain Goat, where the *FSP holder* harvests a *cutblock* or constructs a *road* within *Mountain Goat winter range*, the *FSP holder* will either:

1. meet all of the following requirements:
 - a) not harvest *VRI* polygons comprised of >50% Douglas-fir at least 12 metres in height with a canopy closure exceeding 70%, unless that harvesting is:
 - (i) required to alleviate a *safety hazard* and there is no other *practicable* option for alleviating the *safety hazard*;
 - (ii) required for *road* access and no *practicable* alternative *road* location exists; or
 - (iii) conducted consistent with the recommendations of a *damaged timber assessment*;
 - b) at the conclusion of that harvesting, not cause there to be:
 - (i) more than 33% of the *forested area* within 200 metres (slope distance) of *escape terrain* in an *early seral state*; and
 - (ii) less than 50% of the pre-harvest, non-lodgepole pine basal area retained within a *cutblock*, exclusive of *road* rights-of-way and landings, unless the harvesting is:
 - A. required to alleviate a *safety hazard* and there is no other *practicable* option for alleviating the *safety hazard*; or
 - B. conducted consistent with the recommendations of a *damaged timber assessment*;
 - c) not construct a new *road*, unless no *practicable* alternative *road* location exists; and
 - d) restrict access to new constructed *road* within *Mountain Goat winter range* to the extent that it is non-passable to a standard four-wheel drive pickup truck within six months of the conclusion of harvesting the *cutblock* accessed by that *road*, where use of the *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* on an ongoing basis. Where the *road* is reactivated on a short-term basis to complete *initial silviculture activities*, restrict access to the *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within three months of the conclusion of the *initial silviculture activities*; or
2. otherwise ensure that such harvesting or *road* construction does not, at the conclusion of that harvesting or *road* construction, have a material adverse impact on the winter survival of Mountain Goat.

5.3.2 *KHLPO* Moose

Source of Objective: <i>KHLPO</i> section 2.1.12.2
[a] Maintain thermal and visual cover for moose, and enhance browse production. [b] Maintain suitable forest cover attributes with respect to thermal cover and forage production.
Source of Objective: <i>KHLPO</i> section 2.5.1
The overall objective of special resource management zones for habitat and wildlife management areas

is to: maintain or enhance identified <i>wildlife habitat areas</i> .
Source of Objective: <i>KHLPO</i> section 2.5.2
[H12 - Skwilitin Wildlife Habitat] Maintain or enhance forage production and habitat requirements in critical moose winter range.
Applicable FDU: #1-Kamloops

5.3.2.1 Definitions

For the purposes of this result or strategy:

“moose winter range” means, within *FDU* #1, the area identified as Critical Moose Winter Range on *Map 1: Critical Deer & Moose Winter Range for Kamloops Higher Level Plan* of the Kamloops Higher Level Plan Order, dated January 8, 2009.

“moose management unit” means an area consisting of *moose habitat* and a 200 metre (slope distance) zone applied to the outside edge of *moose habitat*.

“moose habitat” means a W1, W2, W3 or W5 wetland that contains not less than 20% *moose forage* cover, as determined by a *qualified professional*.

“visual screen” means vegetation and/or topography that partially or completely obstructs the view from a *road* surface into an adjacent area.

“moose forage” means palatable species of plants that are a food source for moose, including willow (*Salix spp.*), birch (*Betula spp.*) and Red-osier dogwood (*Cornus stolonifera*).

5.3.2.2 Result or Strategy for *KHLPO* Moose

Applicable *FDU*: #1-Kamloops

In relation to the objectives set by *government* for moose in the *KLRMP* area, where the *FSP holder* harvests a *cutblock*, constructs a *road* or conducts silviculture treatments within *moose winter range*, the *FSP holder* will either:

1. meet all of the following requirements:
 - a) at the conclusion of harvesting a *cutblock* in a *moose management unit*, when the harvest area of the *cutblock* is added to the area of *established cutblocks*, not cause greater than 40% of the *forested area* within the *moose management unit* to be less than 10 metres in *height*;
 - b) not construct a new permanent *road* within 200 metres (slope distance) of *moose habitat*, unless no *practicable* alternative *road* location exists;
 - c) where new permanent *road* is constructed within 200 metres (slope distance) of *moose habitat*, at the conclusion of the *road* construction and where *practicable*, retain a *visual screen* along and/or between the new permanent *road* and *moose habitat*, unless the safe use of the *road* warrants removal of the *visual screen*; and
 - d) retain, *moose forage* at the conclusion of harvesting and silviculture treatments (including brushing, weeding and stand tending) where present and *practicable*, unless retaining *moose forage* impedes the ability of a stand to reach free growing status; or
2. otherwise ensure that such harvesting, *road* construction, or silviculture treatments do not, at the conclusion of that harvesting, *road* construction or silviculture treatment, have a material adverse impact on the thermal cover, visual cover and forage requirements of moose.

5.3.3 Merritt TSA Moose

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for (a) the survival of species at risk, (b) regionally important wildlife, and (c) the winter survival of specified ungulate species.
Applicable <i>FDUs</i>: #2-Merritt

5.3.3.1 Definitions

For the purposes of this result or strategy:

“moose winter range” means, within *FDU* #2-Merritt, the area identified as moose winter range on *Figure 2 Ungulate Winter Range in the Merritt Timber Supply Area*, issued as part of the material supporting the *FPPR* section 7(2) Notice for Moose.

“visual screen” means vegetation and/or topography that partially or completely obstructs the view from a *road* surface into an adjacent area.

“moose forage” means palatable species of plants that are a food source for moose, including willow (*Salix spp.*), Birch (*Betula spp.*) and Red-osier dogwood (*Cornus stolonifera*).

“moose habitat” means a W1, W2, W3 or W5 wetland that contains at least 20% *moose forage* cover, as determined by a *qualified professional*.

“non-greened up” means areas within *established cutblocks* and harvested *cutblocks* to which this *FSP* applies that have been harvested or is planned to be harvested in a manner that does not satisfy at least one of the following criteria:

1. at least 75% of the net area to be reforested is stocked:
 - (i) such that the average height of the tallest 10% of the trees on the area is a minimum of the applicable height specified in Paragraph 5.14.2 [Result or Strategy for Wildlife and Biodiversity – Landscape Level];
 - (ii) in accordance with the stocking standards applicable to the *cutblock*; and
 - (iii) with at least 400 trees per hectare of a commercially valuable species that are at least 1.3 metres in height;
2. 40% or more of the basal area of the stand at the commencement of the harvesting was or will be retained at the conclusion of the harvesting;
3. no point within the net area to be reforested is more than two tree lengths from either the *cutblock* boundary or a group of trees reserved from harvesting that is greater than or equal to 0.25 hectares in size; or
4. no point within the net area to be reforested is more than one tree length from a group of trees reserved from harvesting that is less than 0.25 hectares in size.

“patch” means the area of a *cutblock* to which this *FSP* applies and any contiguous areas that are *non-greened up* at the time harvest is completed on the area of the *cutblock*.

“total area harvested” means the total harvested area of *cutblocks* within *moose winter range* to which this *FSP* applies, harvested by the *FSP holder* in each calendar year.

5.3.3.2 Result or Strategy for Merritt TSA Moose

Applicable *FDU*: #2-Merritt

In relation to the objectives set by *government* for moose in the Merritt *TSA*, when conducting harvesting, road construction or silviculture treatments within *moose winter range*, the *FSP holder* will:

1. ensure that more than 50% of the *total area harvested* exists as *patches* greater than 20 hectares in size, where *practicable* and to the extent that such *patches* are consistent with other obligations the *FSP holder* has under *FRPA*;
2. not construct a new permanent *road* within 200 metres (slope distance) of *moose habitat*, unless no *practicable* alternative exists;
3. where new permanent *road* is constructed within 200 metres (slope distance) of *moose habitat*, at the conclusion of the *road* construction and where *practicable*, retain a *visual screen* along and/or between the new permanent *road* and *moose habitat*, unless the safe use of the *road* warrants removal of the *visual screen*; and
4. retain *moose forage* at the conclusion of harvesting and silviculture treatments (including brushing, weeding and stand tending) where *practicable*, unless retaining *moose forage* impedes the ability of a stand to reach free growing status.

5.3.4 KHLPO Deer

Source of Objective: KHLPO section 2.1.12.1
[a] Maintain or enhance forage production and habitat requirements in critical deer winter range. [b] Disperse the timber harvest throughout the winter range and spread it out evenly over the rotation. [c] Maintain at least 25% of forested area in thermal cover. Link thermal cover units together with suitable travel corridors, especially mature Douglas-fir vets on ridges.
Source of Objective: KHLPO section 2.5.1
The overall objective of special resource management zones for habitat and wildlife management areas is to: maintain or enhance identified <i>wildlife habitat areas</i> .
Source of Objective: KHLPO section 2.5.2
[H11 - Skull Wildlife Habitat] Maintain or enhance forage production and habitat requirements in critical deer winter range.
Applicable FDUs: #1-Kamloops

5.3.4.1 Definitions

For the purposes of this result or strategy:

“critical deer winter range” means an area that:

- a) is identified as critical deer winter range on *Map 1: Critical Deer & Moose Winter Range for Kamloops Higher Level Plan* of the Kamloops Higher Level Plan Order, dated January 8, 2009; or
- b) is within the Skull Wildlife Habitat Management Area.

“suitable snow interception cover” or “SIC” means:

1. a *VRI* polygon within *critical deer winter range* that:
 - a) is greater than 0.25 hectares in size;
 - b) is conifer leading;
 - c) has a crown closure class of:
 - (i) 2 or greater in the BG, PP or IDFxh *BEC*;
 - (ii) 5 or greater in the ESSF and ICH *BEC*;

- (iii) 4 or greater in all other *BEC* zones; or
- 2. an area managed with a single-tree or group selection silviculture system.

“**thermal cover unit**” means single or contiguous *SIC* polygons that are:

- a) not in an *established cutblock*;
- b) in an *established cutblock* where harvest is complete; or
- c) in an *established cutblock* where single-tree or group selection silviculture system management is planned.

“**ridge**” means a topographic feature consisting of a continuous elevated crest of land at least 50 metres in length, where the ground slope perpendicular and downslope of both sides of the crest exceeds 20% for a distance of at least 20 metres (all distances measured as slope distance).

5.3.4.2 Result or Strategy for *KHLPO* Deer

Applicable *FDU*: #1-Kamloops

In relation to the objectives set by *government* for Deer, where the *FSP holder* harvests a *cutblock* or constructs a *road* within *critical deer winter range*, the *FSP holder* will either:

1. meet all of the following requirements at the conclusion of harvesting a *cutblock* or constructing a *road*:
 - a) not cause there to be less than 25% of the *forested area* in a *thermal cover unit* retained as *SIC*; unless harvesting resulting in less than 25% *SIC* retention is:
 - (i) required to alleviate a *safety hazard* and there is no other *practicable* option for alleviating the *safety hazard*;
 - (ii) required to construct *road* access and no *practicable* alternative *road* location exists; or
 - (iii) conducted consistent with the recommendations of a *damaged timber assessment*; and
 - b) retain wildlife trees consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level], focusing retention on *ridges* in Douglas-fir leading stands, where *practicable*; or
2. otherwise ensure that such harvesting or *road* construction does not, at the conclusion of that harvesting or *road* construction, have a material adverse impact on the habitat requirements for the winter survival of deer.

5.3.5 Coastal Tailed Frog

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for <ol style="list-style-type: none"> (a) the survival of species at risk, (b) regionally important wildlife, and (c) the winter survival of specified ungulate species.
Applicable <i>FDUs</i>: #2-Merritt

5.3.5.1 Definitions

For the purposes of this result or strategy:

“occurrence site” means the location on a stream having an occurrence of coastal tailed frogs, identified spatially:

- a) in information provided as background to the *applicable SAR notice*;
- b) by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; or
- c) as a *proposed wildlife habitat area* for coastal tailed frog.

“tailed frog habitat” means the area within 100 metres (slope distance) upstream and downstream of an *occurrence site*, and 50 metres (slope distance) on each side of the stream as measured from the edge of the stream channel bank and perpendicular to the stream axis.

“core area” means the portion of the *tailed frog habitat* within 30 metres (slope distance) on each side of the stream as measured from the edge of the stream channel bank and perpendicular to the stream axis.

“management area” means the portion of the *tailed frog habitat* outside of the *core area*.

“tailed frog habitat crossing assessment” means an assessment completed by a *qualified professional* that evaluates potential impacts to *tailed frog habitat* at a proposed *road* crossing site and provides recommendations regarding crossing width, crossing structure type, sediment control measures and access control.

5.3.5.2 Result or Strategy for Coastal Tailed Frog

Applicable *FDU*: #2-Merritt

In relation to the objectives set by *government* for Coastal Tailed Frog, when conducting harvesting, *road* construction or silviculture treatments within *tailed frog habitat*, the *FSP holder* will:

1. within a *core area*:
 - a) not construct a new *road* unless required for a stream crossing and no *practicable* alternative *road* location exists; and
 - b) not harvest a *cutblock*;
2. within a *management area*:
 - a) not cause there to be less than 70% of the pre-harvest basal area remaining at the conclusion of harvesting; and
 - b) not construct a new *road* unless required for a stream crossing and no *practicable* alternative *road* location exists;
3. not employ the use of pesticides;
4. ensure a *tailed frog habitat crossing assessment* is completed prior to constructing a new *road* within *tailed frog habitat*, and construct the crossing consistent with the recommendations of the assessment; and
5. if the *FSP holder* harvests a *cutblock* within a *management area*, establish the *wildlife tree retention area* that pertains to that *cutblock* in the *core area* or *management area* prior to harvesting the *cutblock*, where *practicable* and consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level].

5.3.6 Flammulated Owl

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for (a) the survival of species at risk, (b) regionally important wildlife, and (c) the winter survival of specified ungulate species.
Applicable <i>FDUs</i>: #2-Merritt, #3-Okanagan, #5-Arrow
Source of Objective: <i>KHLPO</i> section 2.1.3.1
To conserve the diversity and abundance of native species and their habitats throughout the Kamloops LRMP.
Source of Objective: <i>KHLPO</i> section 2.1.12
Ensure habitat needs of all naturally occurring wildlife species are provided for. Special attention will be paid to those red- and blue-listed species, as defined by Ministry of Environment, and species designated as regionally important (e.g. Mule Deer).
Source of Objective: <i>KHLPO</i> section 2.5.1
The overall objective of special resource management zones for habitat and wildlife management areas is to: maintain or enhance identified <i>wildlife habitat areas</i> .
Applicable <i>FDUs</i>: #1-Kamloops

5.3.6.1 Result or Strategy for Flammulated Owl

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #5-Arrow

In relation to the objectives set by *government* for Flammulated Owl, the strategies specified in the following Paragraphs are the strategies for Flammulated Owl:

1. Paragraph 5.3.4.2 [Result or Strategy for KHLPO Deer];
2. Paragraph 5.4.5.2 [Result or Strategy for OSLRMP LUO Williamson's Sapsucker];
3. Paragraph 5.16.1.2 [Result or Strategy for KLRMP Area Old Growth Management Areas];
4. Paragraph 5.16.3.2 [Result or Strategy for Non-Spatial Old Growth]; and
5. Paragraph 5.16.4.2 [Result or Strategy for KBHLPO Old and Mature Forests].

5.3.7 Great Basin Gopher Snake

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for (a) the survival of species at risk, (b) regionally important wildlife, and (c) the winter survival of specified ungulate species.
Applicable <i>FDUs</i>: #2-Merritt , #3-Okanagan

5.3.7.1 Definitions

For the purposes of this or strategy:

“**occurrence site**” means the location of an occurrence of Great Basin Gopher Snake, identified spatially:

- a) by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; or
- b) as a *proposed wildlife habitat area* for Great Basin Gopher Snake.

“**core area**” means an area within 200 metres (slope distance) of an *occurrence site*.

5.3.7.2 Result or Strategy for Great Basin Gopher Snake

Applicable *FDUs*: #2-Merritt, #3-Okanagan

In relation to the objectives set by *government* for Great Basin Gopher Snake, the *FSP holder* will:

1. within a *core area*:
 - a) not construct a new *road* unless no *practicable* alternative *road* location exists;
 - b) not harvest a *cutblock*;
 - c) not employ the use of pesticides; and
2. if the *FSP holder* constructs a new *road* within a *core area*:
 - a) not construct that *road* between April and October of any given year;
 - b) not remove or disturb rock outcrops, talus slopes or concentrations of boulders; and
 - c) restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within one year of the conclusion of *initial silviculture activities* on the *cutblock* accessed by that *road*, where use of that *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* within two years following the conclusion of *initial silviculture activities* on the *cutblock*.

5.3.8 Spotted Bat

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for <ol style="list-style-type: none">(a) the survival of species at risk,(b) regionally important wildlife, and(c) the winter survival of specified ungulate species.
Applicable <i>FDUs</i>: #2-Merritt , #3-Okanagan
Source of Objective: <i>KHLPO</i> section 2.1.3.1
To conserve the diversity and abundance of native species and their habitats throughout the Kamloops LRMP.
Source of Objective: <i>KHLPO</i> section 2.1.12
Ensure habitat needs of all naturally occurring wildlife species are provided for. Special attention will be paid to those red- and blue-listed species, as defined by Ministry of Environment, and species designated as regionally important (e.g. Mule Deer).
Source of Objective: <i>KHLPO</i> section 2.5.1

The overall objective of special resource management zones for habitat and wildlife management areas is to: maintain or enhance identified <i>wildlife habitat areas</i> .
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Applicable FDU: #1-Kamloops

5.3.8.1 Definitions

For the purposes of this result or strategy:

“occurrence site” means the mapped location of an occurrence of Spotted Bat that where cliff features or talus slope is also present, and is identified spatially:

- a) in information provided as background to the *applicable SAR notice*;
- b) by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; or
- c) as a *proposed wildlife habitat area* for Spotted Bat.

“core area” means an area not less than 5 hectares, incorporating an *occurrence site*.

“management area” is an area located 100 metres (slope distance) beyond the edge of a *core area*.

5.3.8.2 Result or Strategy for Spotted Bat

Applicable FDU: #1-Kamloops, #2-Merritt, #3-Okanagan

In relation to the objectives set by *government* for Spotted Bat, the *FSP holder* will:

1. within a *core area*:
 - a) not construct a new *road* unless no *practicable* alternative *road* location exists;
 - b) not harvest a *cutblock*;
2. within a *management area*:
 - a) not construct a new *road* unless no *practicable* alternative *road* location exists;
 - b) not cause there to be less than 50% of the pre-harvest basal area retained at the conclusion of harvesting, unless the harvesting is:
 - (i) required to alleviate a *safety hazard* and there is no other *practicable* option for alleviating the *safety hazard*; or
 - (ii) conducted consistent with the recommendation of a *damaged timber assessment*;
 - c) retain single or grouped tree reserves at the conclusion of harvesting or silviculture treatments, consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level];
 - d) not employ the use of pesticides;
3. if the *FSP holder* constructs a new *road* within a *core area* or *management area*:
 - a) not construct a *road* between March 1 and October 31 of any given year;
 - b) not remove rock or talus;
 - c) restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within one year of the conclusion of *initial silviculture activities* on the *cutblock* accessed by that *road*, where use of that *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* within two years following the conclusion of *initial silviculture activities* on the *cutblock*; and
4. if the *FSP holder* harvests a *cutblock* within a *management area*, establish the *wildlife tree retention area* that pertains to that *cutblock* in the *core area* or *management area* prior to harvesting that *cutblock*, where *practicable* and consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level].

5.3.9 Coeur d'Alene Salamander

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for (a) the survival of species at risk, (b) regionally important wildlife, and (c) the winter survival of specified ungulate species.
Applicable FDU: #5-Arrow

5.3.9.1 Result or Strategy for Coeur d'Alene Salamander

Applicable *FDU*: #5-Arrow

In relation to the objectives set by *government* for Coeur d'Alene Salamander, the *FSP holder* will not construct a new *road* unless no *practicable* alternative *road* location exists, or harvest a *cutblock*, where the *road* or *cutblock* is within 50 metres (slope distance) of a continuously wet talus slope, or areas of continuously wet fractured bedrock, located in the ICH *BEC* zone, unless a *qualified professional* confirms that the area is not Coeur d'Alene Salamander habitat.

5.3.10 Tiger Salamander

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for (a) the survival of species at risk, (b) regionally important wildlife, and (c) the winter survival of specified ungulate species.
Applicable FDU: #3-Okanagan

5.3.10.1 Definitions

For the purposes of this result or strategy:

“**occurrence site**” means the location of an occurrence of Tiger Salamander, identified spatially:

- in information provided as background to the *applicable SAR notice*;
- by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; or
- as a *proposed wildlife habitat area* for Tiger Salamander.

“**core area**” means an area not less than 5 hectares, incorporating an *occurrence site* and any aquatic habitat within 250 metres (slope distance) of the *occurrence site*.

“**management area**” is an area located 100 metres (slope distance) beyond the edge of a *core area*.

5.3.10.2 Result or Strategy for Tiger Salamander

Applicable *FDU*: #3-Okanagan

In relation to the objectives set by *government* for Tiger Salamander the *FSP holder* will:

1. within a *core area*:
 - a) not construct a new *road* unless not *practicable* alternative *road* location exists;
 - b) not harvest a *cutblock*.
2. within a *management area*:
 - a) not construct a new *road* unless not *practicable* alternative *road* location exists;
 - b) not cause there to be less than 40% of the pre-harvest basal area retained at the conclusion of harvesting or silviculture treatments;
 - c) not employ the use of pesticides;
3. if the *FSP holder* constructs a new *road* within a *core area* or *management area*, restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within one year of conclusion of *initial silviculture activities* on the *cutblock* accessed by that *road*, where use of that *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* within two years following the conclusion of *initial silviculture activities* on the *cutblock*; and
4. if the *FSP holder* harvests a *cutblock* within a *management area*, establish the *wildlife tree retention area* that pertains to that *cutblock* in the *core area* or *management area* prior to harvesting the *cutblock*, where *practicable* and consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level].

5.3.11 Great Basin Spadefoot Toad

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for <ol style="list-style-type: none">(a) the survival of species at risk,(b) regionally important wildlife, and(c) the winter survival of specified ungulate species.
Applicable <i>FDUs</i>: #3-Okanagan

5.3.11.1 Definitions

For the purposes of this result or strategy:

“occurrence site” means the location of an occurrence of Great Basin Spadefoot Toad, identified spatially:

- a) in information provided as background to the *applicable SAR notice*;
- b) by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; or
- c) as a *proposed wildlife habitat area* for Great Basin Spadefoot Toad.

“core area” means an area not less than 5 hectares, incorporating an *occurrence site* and any aquatic habitat within 250 metres (slope distance) of the *occurrence site*.

“management area” is an area located 100 metres (slope distance) beyond the edge of a *core area*.

5.3.11.2 Result or Strategy for Great Basin Spadefoot Toad

Applicable *FDUs*: #3-Okanagan

In relation to the objectives set by *government* for Great Basin Spadefoot Toad the *FSP holder* will:

1. within a *core area*:
 - a) not construct a new *road* unless not *practicable* alternative *road* location exists;
 - b) not harvest a *cutblock*.
2. within a *management area*, when conducting *primary forest activities* on a *cutblock*:
 - a) not construct a new *road* unless not *practicable* alternative *road* location exists;
 - b) retain single or grouped tree reserves at the conclusion of harvesting or silviculture treatments, consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level];
 - c) not employ the use of pesticides;
3. if the *FSP holder* constructs a new road within a *core area* or *management area*, restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck, within one year of the conclusion of *initial silviculture activities* on the *cutblock* accessed by that *road*, where use of that *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* within two years following the conclusion of *initial silviculture activities* on the *cutblock*; and
4. if the *FSP holder* harvests a *cutblock* within a *management area*, establish the *wildlife tree retention area* that pertains to the *cutblock* in the *core area* or *management area* prior to harvesting the *cutblock*, where *practicable* and consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level].

5.3.12 Fringed Myotis Bat

Source of Objective: <i>FPPR</i> section 7(1) Wildlife, triggered by a notice provided under <i>FPPR</i> 7(2).
The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for <ol style="list-style-type: none">(a) the survival of species at risk,(b) regionally important wildlife, and(c) the winter survival of specified ungulate species.
Applicable <i>FDUs</i>: #3-Okanagan

5.3.12.1 Definitions

For the purposes of this result or strategy:

“occurrence site” means the location of an occurrence of Fringed Myotis Bat, identified spatially:

- a) by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; or
- b) as a *proposed wildlife habitat area* for Fringed Myotis Bat.

“core area” means an area not less than 3 hectares, incorporating an *occurrence site* and any rock outcrop features within 100 metres (slope distance) of the *occurrence site*.

“management area” is an area located 100 metres (slope distance) beyond the edge of a *core area*.

5.3.12.2 Result or Strategy for Fringed Myotis Bat

Applicable *FDUs*: #3-Okanagan

In relation to the objectives set by *government* for Fringed Myotis Bat the *FSP holder* will:

1. within a *core area*:
 - a) not construct a new *road* unless no *practicable* alternative *road* location exists;
 - b) not harvest a *cutblock*;
2. within a *management area*:
 - a) not construct a new *road* unless no *practicable* alternative *road* location exists;
 - b) not harvest a *cutblock* between May 1 and August 31 of any given year;
 - c) not disturb rocky outcrops, loose boulders or talus;
 - d) not employ the use of pesticides;
 - e) at the conclusion of harvesting a *cutblock* and where *practicable*, not cause there to be less than three (3) of the largest Ponderosa Pine or Douglas-fir trees retained per hectare;
3. if the *FSP holder* constructs a new *road* within a *core area* or *management area*:
 - a) not construct that *road* between May 1 and August 31 of any given year;
 - b) not remove rocky outcrops, loose boulders or talus;
 - c) restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within one year of the conclusion of *initial silviculture activities* on the *cutblock* accessed by that *road*, where use of that *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* within two years following the conclusion of *initial silviculture activities* on the *cutblock*; and
4. if the *FSP holder* harvests a *cutblock* within a *management area*, establish the *wildlife tree retention area* that pertains to the *cutblock* in the *core area* or *management area* prior to harvesting the *cutblock*, where *practicable* and consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level].

5.3.13 Lewis's Woodpecker

Source of Objective: <i>KHLPO</i> section 2.1.3.1
To conserve the diversity and abundance of native species and their habitats throughout the Kamloops LRMP.
Source of Objective: <i>KHLPO</i> section 2.1.12
Ensure habitat needs of all naturally occurring wildlife species are provided for. Special attention will be paid to those red- and blue-listed species, as defined by Ministry of Environment, and species designated as regionally important (e.g. Mule Deer).
Source of Objective: <i>KHLPO</i> section 2.5.1
The overall objective of special resource management zones for habitat and wildlife management areas is to: maintain or enhance identified <i>wildlife habitat areas</i> .
Applicable <i>FDUs</i>: #1-Kamloops

5.3.13.1 Definitions

For the purposes of this result or strategy:

“**occurrence site**” means the location of an occurrence of Lewis's Woodpecker, identified spatially:

- a) in information provided as background to the *applicable SAR notice*;

- b) by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; or
- c) as a *proposed wildlife habitat area* for Lewis's Woodpecker.

“**core area**” means an area located within 100 metres (slope distance) of an *occurrence site*.

“**management area**” is an area located 100 metres (slope distance) beyond the edge of an *occurrence site*.

“**mature tree**” means a lodgepole pine tree at least 12.5 cm *dbh*, or another tree species at least 17.5 cm *dbh*.

“**stub**” means a *mature tree* that is either mechanically felled or broken off at least 3m above the ground.

5.3.13.2 Result or Strategy for Lewis's Woodpecker

Applicable *FDUs*: #1-Kamloops

In relation to the objectives set by *government* for Lewis's Woodpecker the *FSP holder* will:

1. within a *core area*:
 - a) not construct a new *road* unless no *practicable* alternative *road* location exists;
 - b) not harvest a *cutblock*;
2. within a *management area*:
 - a) not construct a new *road* unless no *practicable* alternative *road* location exists;
 - b) not employ the use of pesticides;
 - c) at the conclusion of harvesting a *cutblock* and where practicable:
 - (i) not cause there to be less than six (6) dead standing trees or *stubs* per hectare of the largest diameter stems;
 - (ii) retain live ponderosa pine and black cottonwood great than 30 cm *dbh*;
3. if the *FSP holder* constructs a new *road* within a *core area* or *management area*, restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within one year of the conclusion of *initial silviculture activities* on the *cutblock* accessed by that *road*, where use of that *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* within two years following the conclusion of *initial silviculture activities* on the *cutblock*; and
4. if the *FSP holder* harvests a *cutblock* within a *management area*, establish the *wildlife tree retention area* that pertains to the *cutblock* in the *core area* or *management area* prior to harvesting the *cutblock*, where *practicable* and consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level].

5.3.14 Wildlife – KHLPO General Wildlife Objectives

Source of Objective: KHLPO section 2.1.3.1
To conserve the diversity and abundance of native species and their habitats throughout the Kamloops LRMP.
Source of Objective: KHLPO section 2.1.12
Ensure habitat needs of all naturally occurring wildlife species are provided for. Special attention will be paid to those red- and blue-listed species, as defined by Ministry of Environment, and species designated as regionally important (e.g. Mule Deer).
Source of Objective: KHLPO section 2.5.1

The overall objective of special resource management zones for habitat and wildlife management areas is to: maintain or enhance identified <i>wildlife habitat areas</i> .
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Applicable FDU: #1-Kamloops

5.3.14.1 Result or Strategy for *KHLPO* General Wildlife Objectives

Applicable *FDUs*: #1-Kamloops

In relation to the general wildlife objectives set by *government*, the *FSP holder* will be consistent with the results or strategies applicable to *FDU* #1 specified in:

1. Paragraph 5.3 [Wildlife - *FPPR* section 7(1) Species at Risk and *KHLPO* Wildlife];
2. Paragraph 5.5 [Water, Fish, Wildlife and Biodiversity within Riparian Areas];
3. Paragraph 5.6 [Retention of Trees in a Riparian Management Zone];
4. Paragraph 5.14 [Wildlife and Biodiversity – Landscape Level];
5. Paragraph 5.15 [Wildlife and Biodiversity – Stand Level]; and
6. Paragraph 5.16 [Old Growth Management].

5.4 Wildlife - *OSLRMP LUO* Wildlife Objectives

5.4.1 *OSLRMP LUO* Elk Areas

Source of Objective: <i>OSLRMP LUO</i> Objective 6, Elk Areas
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The objective for areas shown on Map 6 (of the Order) is to maintain congregation areas and movement corridors between summer and winter ranges for Elk.
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Applicable FDU: #3-Okanagan

5.4.1.1 Definitions

For the purposes of this result or strategy:

“**elk corridor**” means an area identified as Elk Habitat Corridor on the map titled *Wildlife-Elk Habitat RMZ Corridor*, on page WILDLIFE_ELK 4-6 of the *OSLRMP*.

“**elk congregation area**” means an area identified as an Elk Congregation Area on the map titled *Wildlife-Elk Congregation Areas*, on page WILDLIFE_ELK 4-7 of the *OSLRMP*.

“**elk areas**” means the areas identified as Elk Areas on *LUO* Map 6.

“**mule deer winter range**” means the ungulate winter range identified in GAR Order Ungulate Winter Range #U-8-001-Okanagan TSA.

“**suitable snow interception cover**” or “**SIC**” means:

- a) a *VRI* polygon that:
 - (i) is greater than 0.25 hectares in size;
 - (ii) is Douglas-fir leading;
 - (iii) is age class 8 or older; and
 - (iv) has a crown closure class of 4 or greater.

“**contributing snow interception cover**” means an area in an *elk congregation area* that is:

- a) *SIC* and not in an *established cutblock*;

- b) not in an *established cutblock* and was *SIC* immediately prior to being harvested;
- c) *SIC* and is in an *established cutblock* where harvest is complete; or
in an *established cutblock* that is planned to be harvested in a manner that will provide *SIC* upon conclusion of harvesting.

5.4.1.2 Result or Strategy for OSLRMP LUO Elk Areas

Applicable *FDUs*: #3-Okanagan

In relation to the objectives set by *government* for *elk areas*, where the *FSP holder* harvests a *cutblock* within *elk areas*, the *FSP holder* will:

1. if the *cutblock* is within an *elk corridor* either:
 - a) meet all of the following requirements at the conclusion of harvesting;
 - (i) not cause less than 30% of the *forested area*, including *established cutblocks*, within the *elk corridor* to be greater than 16.0 metres in *height*;
 - (ii) not cause more than 30% of the *forested area*, including *established cutblocks*, within the *elk corridor* to be less than 3.0 metres in *height*;
 - (iii) if less than 40% of the pre-harvest basal area in the harvested *cutblock* is retained at the conclusion of harvesting, limit the maximum horizontal distance across the interior of the harvested *cutblock* to 425 metres (horizontal distance), measured from one outside *cutblock* edge to another; or
 - b) otherwise ensure that such harvesting does not, at the conclusion of that harvesting, have a material adverse impact on elk movement between summer and winter ranges; and
2. if the *cutblock* is within that portion of the *elk congregation area* that is outside of *mule deer winter range* either:
 - a) conduct harvesting consistent with *GAR Order Ungulate Winter Range #U-8-001-Okanagan TSA* point 9, Schedule 1 - General Wildlife Measures 2 through 9 and 12, and Table 1, not causing *contributing snow interception cover* to be less than the lesser of 33% of the *forested area*, or the amount that existed prior to harvesting the *cutblock*; or
 - b) otherwise ensure that such harvesting does not, at the conclusion of that harvesting, have a material adverse impact on elk congregation.

5.4.2 OSLRMP LUO Marten Areas

Source of Objective: OSLRMP LUO Objective 7, Marten Areas
The objective for areas shown on Map 7 (of the Order) is to maintain forage, cover and connectivity for Marten.
Applicable <i>FDUs</i>: #3-Okanagan, #4-TFL 49

5.4.2.1 Definitions

For the purposes of this result or strategy:

“**marten areas**” means the areas identified as Marten Areas on *LUO* Map 7.

“**Fly Hills Marten RMZ**” means the area identified as Marten Habitat on the map displayed on *OSLRMP* page WILDLIFE_MARTEN 4-4.

“Fly Hills Marten RMZ sub-units” means the five mapped sub-units which, when combined together comprise the Fly Hills Marten RMZ, as indicated on the map displayed in Appendix C of this *FSP*.

“marten corridors” means areas of retention established within the *Fly Hills Marten RMZ*, consisting of *OGMA*, Enhanced Riparian Reserve and *wildlife tree retention*, and managed internally by the *FSP holder*.

“debris pile” means an accumulation of woody debris mechanically piled to a height of at least 2 metres and a diameter of at least 5 metres, which is left on site at the conclusion of harvesting or site preparation activities.

5.4.2.2 Result or Strategy for OSLRMP LUO Marten Areas

Applicable *FDUs*: #3-Okanagan, #4-TFL 49

In relation to the objectives set by *government* for *marten areas*, where the *FSP holder* harvests a *cutblock* within *marten areas*, the *FSP holder* will:

1. if the *cutblock* is within a *marten area*, meet all of the following requirements:
 - a) prior to harvesting the *cutblock*, establish *wildlife tree retention* areas where *practicable* and consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level], within or adjacent to:
 - (i) *OGMA*’s;
 - (ii) *enhanced riparian reserves*;
 - (iii) riparian management areas; or
 - (iv) very xeric to xeric sites within or *adjacent* to the *cutblock*;
 - b) at the conclusion of harvesting and silviculture treatments, retain basic and enhanced levels of coarse woody debris consistent with Paragraph 5.18.2 [Result or Strategy for OSLRMP LUO Basic and Enhanced Levels of Coarse Woody Debris Areas] within;
 - (i) a *cutblock* within the *Fly Hills Marten RMZ*;
 - (ii) the riparian management area of one stream per 40 hectares of harvest area for S4, S5 or S6 streams that do not have an *enhanced riparian reserve* (as defined in Paragraph 5.8.1), for *marten areas* that are located outside the *Fly Hills Marten RMZ*;
2. If the *cutblock* is within the *Fly Hills Marten RMZ* either:
 - a) meet all of the following requirements at the conclusion of harvesting and silviculture treatments:
 - (i) not cause there to be less than 2300 hectares of *marten corridors*;
 - (ii) retain where practicable at least one unburnt *debris pile* per hectare within the portion of the *cutblock* that is located within 50 metres of:
 - A. riparian areas; or
 - B. *cutblock* edges directly adjacent to areas meeting the height requirements of Paragraph 5.14.2 [Result or Strategy for Wildlife and Biodiversity – Landscape Level]; and
 - (iii) not cause there to be less than 33% of the *forested area* that is within at least 4 of the 5 *Fly Hills RMZ sub-units* to be 19 metres or greater in *height*; or
 - b) otherwise ensure that such harvesting and silviculture treatments do not, at the conclusion of that harvesting or silviculture treatment, have a material adverse impact on marten forage, cover and connectivity requirements

5.4.3 OSLRMP LUO Fisher Areas

Source of Objective: OSLRMP LUO Objective 8, Fisher Areas
The objective for areas shown on Map 8 (of the Order), is to maintain forage, cover and connectivity for Fisher.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.4.3.1 Definitions

For the purpose of this result or strategy:

“fisher areas” means the areas identified as Fisher Areas on LUO Map 8.

5.4.3.2 Result or Strategy for OSLRMP LUO Fisher Areas

Applicable FDUs: #3-Okanagan, #4-TFL 49

In relation to the objectives set by government for fisher areas, where the FSP holder harvests a cutblock within fisher areas, the FSP holder will:

1. prior to harvesting the cutblock, establish wildlife tree retention areas, where practicable and consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level], within or adjacent to:
 - (i) OGMA's;
 - (ii) Enhanced Riparian Reserves as defined in Paragraph 5.8.1;
 - (iii) riparian management areas; or
 - (iv) areas 0.2 hectares or greater where cottonwood comprises > 80% of the trees per hectare, measured by the number of standing stems greater than 17.4 cm dbh;
2. at the conclusion of harvesting and silviculture treatments on the cutblock:
 - a) retain basic and enhanced levels of coarse woody debris within the riparian management area of S5 and S6 streams consistent with Paragraph 5.18.2 [Result or Strategy for OSLRMP LUO Basic and Enhanced Levels of Coarse Woody Debris Areas]; and
 - b) retain cottonwood greater than 75.0 cm dbh, where practicable.

5.4.4 OSLRMP LUO Bighorn Sheep Areas

Source of Objective: OSLRMP LUO Objective 9, Bighorn Sheep Areas
The objective for areas shown on Map 9 (of the Order), is, for the purposes of conserving the suitability of Bighorn Sheep habitat that is not in established deer winter ranges, to retain sufficient forest cover during primary forest activities, including sanitation and salvage activities, to provide for the thermal, snow interception and security requirements of Bighorn Sheep.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.4.4.1 Definitions

For the purposes of this result or strategy:

“bighorn sheep areas” means the areas identified on LUO Map 9.

“**special features**” means open grasslands, mineral licks, rutting areas, lambing areas and loafing sites identified by the ministry responsible for wildlife.

“**bighorn sheep planning cell**” means each spatially separate and distinct portion of the *bighorn sheep areas* identified on *LUO* Map 9.

“**crown closure**” means the percentage of ground area covered by the vertically projected crowns of the tree cover for each tree layer within the polygon and provides an estimate of the vertical projection of tree crowns upon the ground, as confirmed by:

- a) *VRI* attribute CROWN_CLOSURE; or
- b) a survey of the *forested area* within the *bighorn sheep planning cell* that is available to or completed by the *FSP holder*.

5.4.4.2 Result or Strategy for OSLRMP LUO Bighorn Sheep Areas

Applicable *FDUs*: #3-Okanagan, #4-TFL 49

In relation to the objectives set by *government* for bighorn sheep, where the *FSP holder* harvests a *cutblock* within *bighorn sheep areas*, the *FSP holder* will:

1. prior to harvesting the *cutblock*:
 - a) refer a proposed *cutblock* to the ministry responsible for wildlife, requesting that *special features* located within or *adjacent* to the *cutblock* be identified;
 - b) where the ministry responsible for wildlife identifies *special features* within or *adjacent* to the *cutblock* within the timeline specified in the referral, establish the *wildlife tree retention area* that pertains to the *cutblock* such that it encompasses or is *adjacent* to those *special features* that are identified within or *adjacent* to the *cutblock*, where *practicable* and consistent with Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level];
2. at the conclusion of harvesting the *cutblock*, when the harvest area of the *cutblock* is added to the area of *established cutblocks* in a *bighorn sheep planning cell*, either:
 - a) not cause greater than 67% of the *forested area* to:
 - (i) be less than 16 metres in *height*; and
 - (ii) have less than 26% *crown closure*; or
 - b) otherwise ensure that such harvesting does not have a material adverse impact on the thermal, snow interception and security requirements of bighorn sheep.

5.4.5 OSLRMP LUO Williamson’s Sapsucker

Source of Objective: OSLRMP LUO Objective 11, Williamson’s Sapsucker
The objective for Williamson’s Sapsucker is to conserve critical breeding habitat.
Applicable FDUs: #3-Okanagan

5.4.5.1 Definitions

For the purposes of this result or strategy:

“**Williamson’s Sapsucker area of occupation**” means an area:

1. identified in Figure 2, page 6 of “B.C. Ministry of Forests, Lands and Natural Resource Operations. 2014. *Best management practices for timber harvesting, roads, and silviculture for*

Williamson's Sapsucker in British Columbia: Okanagan-Boundary Area of Occupancy. B.C. Ministry of Forests, Lands and Natural Resource Operations, Nelson, BC. 15 pp”;

2. within a 500 meter radius (slope distance) of a Williamson's Sapsucker breeding location, identified by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; or
3. proposed by the ministry responsible for Environment as a Williamson's Sapsucker *wildlife habitat area*, not less than 12 months prior to cutting authority application or amendment, which is located outside of an *established cutblock* or *established road*.

“Williamson's Sapsucker primary forest activity design” means a design of *primary forest activities*, developed by a *qualified professional* that provides for the conservation of Williamson's Sapsucker critical breeding habitat during harvesting, *road* construction and maintenance, and silviculture treatments by considering:

- a) pre-harvest stand condition;
- b) forest health factors such as insect infestation, root disease, blowdown, and wildfire;
- c) site conditions that may affect worker or public safety;
- d) activity timing windows;
- e) critical breeding habitat suitability;
- f) forest stand management practices and
- g) Williamson's Sapsucker critical breeding habitat requirements, including:
 - (i) nest tree retention and recruitment;
 - (ii) live tree retention targets;
 - (iii) sap tree habitat targets; and
 - (iv) coarse woody debris retention.

5.4.5.2 Result or Strategy for OSLRMP LUO Williamson's Sapsucker

Applicable *FDUs*: #3-Okanagan

In relation to the objectives set by *government* for Williamson's Sapsucker, where the *FSP holder* carries out a *primary forest activity* that is located within a *Williamson's Sapsucker area of occupation*, the *FSP holder* will:

1. prior to harvesting a *cutblock* or constructing a *road*, ensure a *Williamson's Sapsucker primary forest activity design* is developed; and
2. conduct harvesting, *road* construction and maintenance, and silviculture treatments consistent with the *Williamson's Sapsucker primary forest activity design*.

5.4.6 Wildlife - OSLRMP LUO Forest Road Construction

Source of Objective: OSLRMP LUO Objective 10b(i), Map 10
The objective for areas shown on LUO Map 10 is to limit the adverse impacts of forest <i>road</i> construction on the habitat values of Grizzly Bear, Moose, Mountain Goat, Mule Deer, grasslands and low elevation forests (Ecosystem – Natural Disturbance Type 4)
Applicable <i>FDUs</i>: #3-Okanagan, #4-TFL 49
Source of Objective: OSLRMP LUO Objective 10b(ii), Map 10
The objective for areas shown on LUO Map 10 is to limit the adverse impacts of forest <i>road</i> construction on <i>walk-in lakes</i> (listed in LUO Schedule);
Applicable <i>FDUs</i>: #3-Okanagan, #4-TFL 49

5.4.6.1 Definitions

For the purposes of this result or strategy:

“Grizzly Bear Habitat RMZ” means the specified area shown in the map set out in Schedule A of GAR ORDER – Grizzly Bear Specified Area # 8-232.

“critical grizzly bear habitat” means areas within the *Grizzly Bear Habitat RMZ* that include:

- a) avalanche tracks;
- b) glacier lily complexes;
- c) meadow/wetland complexes;
- d) riparian site series as per “OSLRMP Table 2 Riparian Site Series”, page “Wildlife_Grizzly 4-13”; or
- e) burn areas that no longer contribute to the *THLB* and are dominated by *Vaccinium* species.

“grizzly bear suitability areas” means those areas within the *Grizzly Bear Habitat RMZ* that:

- a) north of Highway 6, are identified on the map on page “Wildlife_Grizzly 4-15” of the *OSLRMP* as “High-Moderate” or “High” grizzly habitat suitability
- b) south of highway 6, are identified on the map on page “Wildlife_Grizzly 4-15” of the *OSLRMP* as “Moderate”, “High-Moderate” or “High” grizzly habitat suitability.

“critical moose winter habitat” means, within those specified areas shown in the map set out in Schedule A of GAR ORDER – Ungulate Winter Range #U-8-006 – Okanagan *TSA*, a zone extending 200 metres (slope distance) from the outer edge of a W1 wetland, a W3 wetland in the MSdm2 or MSxk *BEC*, or a W5 wetland.

“mountain goat plateau habitat” means the specified areas shown in the map set out in Schedule A of GAR ORDER – Ungulate Winter Range #U-8-005 – Okanagan *TSA*, as well as a zone extending 200 metres (slope distance) from the edge those areas.

“mule deer winter range” means the specified areas shown in the map set out in Schedule A of GAR ORDER - Ungulate Winter Range #U-8-001 – Okanagan *TSA*.

“NDT4 areas” means ecosystems with frequent stand-maintaining fires located within the *LUO* Map 10 area, and identified as the following *BEC*'s:

- a) Bunchgrass (all variants);
- b) Ponderosa Pine (all variants); and
- c) Interior Douglas-fir xh1 and xh2 variants.

“walk-in lakes” means the lakes listed in the *OSLRMP LUO* Schedule.

5.4.6.2 Result or Strategy for OSLRMP LUO Forest Road Construction

Applicable *FDUs*: #3-Okanagan, #4-TFL 49

In relation to the objectives set by *government* to limit the adverse impacts of forest *road* construction on identified habitat values established in *OSLRMP LUO* 10b(i, and ii), the *FSP holder* will:

1. not construct new *road* unless required for a stream crossing, or no other *practicable road* location exists, within:
 - a) *critical grizzly bear habitat*;
 - b) *grizzly bear suitability areas*;
 - c) *critical moose winter habitat*;
 - d) 500 metres (slope distance) of a *walk-in lake*;
 - e) *mule deer winter range*; or
 - f) *NDT 4 areas*;
2. if the *FSP holder* constructs a new *road* within:
 - a) *critical grizzly bear habitat*;
 - b) *grizzly bear suitability areas*; or
 - c) *critical moose winter habitat*,

restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within one year of the conclusion of *initial silviculture activities* on the *cutblock* accessed by that *road*, where use of the *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* within two years following the conclusion of *initial silviculture activities* on the *cutblock*; and

3. if the *FSP holder* constructs a new *road* within *mountain goat plateau habitat*:
 - a) restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within six months of the conclusion of harvesting the *cutblock* accessed by that *road*, where use of the *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* on an ongoing basis; and
 - b) if that *road* is reactivated on a short-term basis to complete *initial silviculture activities* on a *cutblock*, restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within three months of the conclusion of the *initial silviculture activities* on that *cutblock*.

5.5 Water, Fish, Wildlife and Biodiversity within Riparian Areas

Source of Objective: <i>FPPR</i> section 8
The objective set by government for water, fish, wildlife and biodiversity within riparian areas is, without unduly reducing the supply of timber from British Columbia's forests, to conserve, at the landscape level, the water quality, fish habitat, wildlife habitat and biodiversity associated with those riparian areas.
Applicable <i>FDUs</i>: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

5.5.1 Result or Strategy for Riparian Areas

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objectives set by *government* for water, fish, wildlife and biodiversity within riparian areas set out in section 8 of the *FPPR*, the *FSP holder* adopts *FPPR* sections 47 (4) to (6) [*Stream Riparian Classes*], 48 (3) to (5) [*Wetland Riparian Classes*], 49 (2) and (3) [*Lake Riparian Classes*], 50 (1) [*Restrictions in a Riparian Management Area*], 51 (1) and (3) [*Restrictions in a Riparian Reserve Zone*], 52 (2) [*Restrictions in a Riparian Management Zone*] and 53 [*Temperature Sensitive Streams*] as those sections were on the *legislated planning date* of this *FSP*.

5.6 Retention of Trees in a Riparian Management Zone

Source of Objective: <i>FPPR</i> section 12(3)
Despite section 12.1(2) and (6), a person who prepares a forest stewardship plan must specify in it, for the objective set out in section 8, a result or strategy that addresses retention of trees in a riparian management zone.
Applicable <i>FDUs</i>: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

5.6.1 Definitions

For the purposes of this result or strategy:

“**RMZ affected area**” means the area of riparian management zone contained within a *cutblock* to which this *FSP* applies.

“**RMZ retained basal area equivalency**” or “**RMZ RBAE**” means, for an RMZ that has been partial cut, the proportion of RMZ tree basal area retained that is equivalent to RMZ area, determined from the following equation:

$$RMZ\ RBAE = \frac{\text{basal area/ha of trees retained trees in the RMZ}}{\text{basal area/ha of RMZ}} \times RMZ\ \text{harvest area}$$

“**RMZ retention**” means the treed proportion of the *RMZ affected area* retained at the conclusion of harvesting based on a combination of RMZ area reserved from harvest and *RMZ RBAE*, determined from the following equation:

$$\% = \frac{(\text{RMZ area reserved from harvest}) + (RMZ\ RBAE)}{RMZ\ \text{affected area}} \times 100$$

“**S6L**” means a stream as defined in *FPPR* section 47(3b) [*Stream riparian classes*], where the year-round wetted stream width is greater than 1.5m.

5.6.2 Result or Strategy for Retention of Trees in a Riparian Management Zone

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objectives set by *government* for retention of trees in a riparian management zone, at the conclusion of harvesting a *cutblock* to which this *FSP* applies that includes a riparian management zone, the *FSP holder* will not cause *RMZ retention* to be less than specified in Table 5.5.2, unless the harvesting is conducted:

1. consistent with *FPPR* section 50;
2. to alleviate a *safety hazard* and there is no other *practicable* option for alleviating the *safety hazard*;
3. with a harvest system that precludes the achievement of the RMZ retention specified in Table 5.6.2, and there is no practicable harvest system alternative to harvest the *cutblock*; or
4. as a result of recommendations included in a *damaged timber assessment*.

Table 5.6.2 Riparian Management Zone Tree Retention

Riparian Class	RMA width (m)	RRZ width (m)	RMZ width (m)	RMZ Retention (%)
S1-A Stream	100	0	100	50
S1-B stream	70	50	20	50
S2 stream	50	30	20	20
S3 stream	40	20	20	20
S4 stream (fish bearing)	30	0	30	30
S4 stream (non-fish bearing)	30	0	30	30
S5 stream	30	0	30	30
S6L stream	20	0	20	20
S6 stream	20	0	20	>0
L1-A lake	0	0	0	N/A
L1-B lake	30	10	20	100

Riparian Class	RMA width (m)	RRZ width (m)	RMZ width (m)	RMZ Retention (%)
L2 lake	30	10	20	20
L3 lake	30	0	30	20
L4 lake	30	0	30	20
W1 wetland	50	10	40	20
W2 wetland	30	10	20	20
W3 wetland	30	0	30	20
W4 wetland	30	0	30	20
W5 wetland	50	10	40	20

5.7 OSLRMP LUO Enhanced Riparian Management Zone Retention

Source of Objective: OSLRMP LUO Objective 10c, Map 10
During primary forest activities, including sanitation and salvage activities, to provide for the conservation of water, fish, wildlife, and biodiversity associated with streams by maintaining (ii) an enhanced level of riparian management zone retention.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.7.1 Definitions

For the purpose of this result or strategy:

“**enhanced RMZ retention**” means the *RMZ retention* prescribed in Table 5.7.2 by applicable stream riparian class, to achieve consistency with the objective.

5.7.2 Result or Strategy for OSLRMP LUO Enhanced Riparian Management Zone Retention

Applicable FDUs: #3-Okanagan, #4-TFL 49

In relation to the objective set by *government* to provide for the conservation of water, fish, wildlife, and biodiversity associated with streams by maintaining an enhanced level of riparian management zone retention, at the conclusion of harvesting a *cutblock* to which this *FSP* applies that includes a stream riparian management zone, the *FSP holder* will not cause *enhanced RMZ retention* to be less than specified in Table 5.7.2, unless the harvesting is conducted:

1. consistent with *FPPR* section 50;
2. to alleviate a *safety hazard* and there is no other *practicable* option for alleviating the *safety hazard*;
3. with a harvest system that precludes the achievement of the enhanced RMZ retention specified in Table 5.7.2, and there is no practicable harvest system alternative to harvest the *cutblock*; or
4. as a result of recommendations included in a *damaged timber assessment*.

Table 5.7.2 OSLRMP LUO Enhanced Riparian Management Zone Tree Retention	
Riparian Class	Enhanced RMZ Retention (%)
S1-A Stream	50
S1-B stream	50
S2 stream	50
S3 stream	50
S4 stream (fish bearing)	30
S4 stream (non-fish bearing)	30
S5 stream	50
S6L stream	50
S6 stream	>0

5.8 OSLRMP LUO Enhanced Riparian Reserves

Source of Objective: OSLRMP LUO Objective 10c, Map 10
During primary forest activities, including sanitation and salvage activities, to provide for the conservation of water, fish, wildlife, and biodiversity associated with streams by maintaining (i) enhanced riparian reserves over a total of 10,000 hectares of timber harvesting land base
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.8.1 Definitions

For the purpose of this result or strategy:

“**enhanced riparian reserve**” or “**ERR**”, means a minimum 0.1 hectare reserve within the *THLB*, identified and tracked internally by the *FSP holder*, and supplemental to the statutory reserves specified under *FPPR*, that:

- a) is within the riparian management zone of a stream; or
- b) is contiguous with a riparian management zone of a stream.

5.8.2 Result or Strategy for OSLRMP LUO Enhanced Riparian Reserves

Applicable FDUs: #3-Okanagan, #4-TFL 49

In relation to the objective set by *government* to provide for the conservation of water, fish, wildlife, and biodiversity associated with streams by maintaining an enhanced level of riparian reserves, at the conclusion of harvesting a *cutblock* the *FSP holder* will not cause there to be less than:

- a) 3114 hectares of *ERR* identified for Tolko in *FDU* #3-Okanagan;
- b) 1057 hectares of *ERR* identified for Tolko in *FDU* #4-TFL 49; and
- c) 157 hectares of *ERR* for Stella-Jones in *FDU* #3-Okanagan.

5.9 KHLPO Riparian Management Areas and Inland Fisheries

Source of Objective: KHLPO section 2.1.2.1 Riparian Management Areas
Manage riparian areas, including streams, wetlands and lakes in accordance with the Forest Planning and Practices Regulation and the Kamloops and Clearwater District Lakeshore Management Guidelines or other applicable management tools or agency agreements.
Source of Objective: KHLPO section 2.1.5 Inland Fisheries
Maintain a mosaic of angling opportunities within the recreational spectrum (i.e. walk-in lakes, drive-to lakes, trophy lakes).
Applicable FDUs: #1-Kamloops

5.9.1 Result or Strategy for KHLPO Riparian Management Areas and Inland Fisheries

Applicable FDUs: #1-Kamloops

In relation to the objective set by *government* for Riparian Management Areas and Inland Fisheries, the *FSP holder* will:

1. not construct new *road* within 200 metres (slope distance) of a L1, L2 or L3 lake, unless no *practicable* alternative *road* location exists;
2. if the *FSP holder* constructs a new *road* within 200 metres (slope distance) of a L1, L2 or L3 lake restrict access to that *road* to the extent that it is non-passable to a standard four-wheel drive pickup truck within one year of the conclusion of *initial silviculture activities* on the *cutblock* accessed by that *road*, where use of that *road* beyond the *cutblock* accessed by that *road* is not required by the *FSP holder* within two years following the conclusion of *initial silviculture activities* on that *cutblock*; and
3. ensure harvesting and *road* construction is consistent with results or strategies specified in:
 - a) Paragraph 5.6.2 [Result or Strategy for Retention of Trees in a Riparian Management Zone];
 - b) Paragraph 5.19 [Visual Quality]; and
 - c) Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level].

5.10 KHLPO Water Management

Source of Objective: KHLPO 2.1.2
The objective set by government for water management is to ensure implementation of a referral process to notify all potentially impacted water licencees when development is proposed.
Applicable FDUs: #1-Kamloops

5.10.1 Definitions

For the purposes of this result or strategy:

“**water licence**” means a licence issued under the *Water Sustainability Act* or a former water licence related Act, that authorizes the diversion and use of water for the purposes of domestic consumption or irrigation purposes and was issued not less than 12 months prior to cutting authority application or amendment. Water licence spatial and attribute data is housed in the BC Geographic Warehouse.

“point of diversion” means the location where water is legally diverted for the purpose specified in a *water licence*.

“water management mitigation strategy” means a plan developed by the *FSP holder* to mitigate potential impacts to a *water licence* that are related to harvesting and *road* construction and identified by a *water licence* holder. The strategy specifies:

- a) what actions are to be undertaken;
- b) who is responsible for undertaking the actions;
- c) where the actions will occur; and
- d) when the actions will be completed.

5.10.2 Result or Strategy for *KHLPO* Water Management

Applicable *FDUs*: #1-Kamloops

In relation to the objective set by *government* for water management, where the *FSP holder* proposes harvesting or *road* construction that is within the catchment area of an S3, S4, S5 or S6 stream which is directly connected to a *point of diversion*, and is located less than two kilometres (horizontal distance) upstream from that *point of diversion*, the *FSP holder* will:

1. prior to harvesting a *cutblock* or constructing a *road*:
 - a) refer the proposed harvesting or *road* construction activities to the holder of a *water licence*, requesting that the *water licence* holder identify concerns about their *water licence* that may be related to the activities;
 - b) where the *water licence* holder responds within the timeline specified in the referral and identifies concerns, develop a *water management mitigation strategy* that addresses the concerns of the *water licence* holder to the extent that it is *practicable* to do so;
 - c) communicate the *water management mitigation strategy* to the *water licence* holder; and
2. conduct harvesting or *road* construction consistent with the *water management mitigation strategy*.

5.11 *KBHLPO* Consumptive Use of Streams

Source of Objective: KBHLP Order, Objective 6
To reduce the impacts of forest development on streams licensed for human consumption.
Applicable <i>FDUs</i>: #5-Arrow

5.11.1 Definitions

For the purposes of this result or strategy:

“water licence” means a licence issued under the *Water Sustainability Act* or a former water licence related Act that authorizes the diversion and use of water for the purposes of domestic consumption and was issued not less than 12 months prior to cutting authority application or amendment. Water licence spatial and attribute data is housed in the BC Geographic Warehouse.

“point of diversion” means the location where water is legally diverted for the purpose of domestic consumption, as authorized in a *water licence*.

“stream side management provisions” as defined in *KBHLPO* Objective 6 (1)(a), means “specific measures to safeguard water licenced for human consumption” that “must be described for activities in the stream side management zone”. These provisions are applied consistent with *KBHLPO* Objective 6 (1) (b) and (c). In addition, these provisions will apply to a stream consistent with *KBHLPO* Objective 6 (1) (b) and (c) where a *water licence* and *point of diversion* exists that is not shown of *KBHLPO* Map 6.1.

“stream side management zone” as defined in *KBHLPO* Objective 6 means “...from the edge of the stream channel bank or the outer edge of the active floodplain, to a minimum distance of 30 metres on each side of the stream, or to the top of the inner gorge, whichever is greater”.

5.11.2 Result or Strategy for *KBHLPO* Consumptive Use Streams

Applicable *FDUs*: #5-Arrow

In relation to the objective set by *government* for water management, where the *FSP holder* proposes harvesting or *road* construction that is within the *stream side management zone* of a S5 or S6 stream where the *stream side management provisions* of *KBHLPO* Objective 6 apply, the *FSP holder* will:

1. prior to harvesting a *cutblock* or constructing a *road* within that *stream side management zone*, ensure a *qualified professional* specifies *stream side management provisions* related to *primary forest activities*; and
2. conduct harvesting or *road* construction consistent with the specified *stream side management provisions*.

5.12 Fisheries Sensitive Watersheds

<p>Source of Objectives: Two Orders given under Government Actions Regulation sections 14(1) and 14(2): Order – Fisheries Sensitive Watersheds – Thompson Region dated March 28, 2007 Order – Fisheries Sensitive Watersheds – Okanagan Region dated March 28, 2007</p>
<p>For each Fisheries Sensitive Watershed identified by the Orders, the objective set by government is to: (i) Conserve the natural hydrologic conditions, natural stream bed dynamics and integrity of stream channels in the Fisheries Sensitive Watershed, (ii) Conserve the quality, quantity and timing of water flows required by fish in the Fisheries Sensitive Watershed, and (iii) Prevent the cumulative hydrological effects of primary forest activities in the Fisheries Sensitive Watershed from resulting in a material impact on the fish habitat in the watershed.</p>
<p>Applicable <i>FDUs</i>: #3-Okanagan, #4-TFL 49</p>

5.12.1 Definitions

For the purposes of this result or strategy:

“fisheries sensitive watershed” means areas identified under *GAR Order–Fisheries Sensitive Watersheds–Thompson Region* dated March 28, 2007, and *GAR Order–Fisheries Sensitive Watersheds–Okanagan Region* dated March 28, 2007.

“fisheries sensitive watershed assessment” means a *qualified professional* assessment of a *fisheries sensitive watershed* that:

1. reviews the: cumulative hydrological effects of existing and proposed human activities (including *established cutblocks* and *established roads*) on the watershed; rates of hydrologic recovery within the watershed; watershed characteristics; and watershed processes;

2. identifies the potential for *primary forest activities* to result in a material impact to:
 - a) natural hydrologic conditions, natural stream bed dynamics, and integrity of stream channels;
 - b) quality, quantity and timing of water flows required by fish; and
 - c) fish habitat;
3. includes recommendations to mitigate potential material impacts identified in part 2 of the definition; and
4. where it relates to an existing assessment, is considered relevant if a qualified professional determines that the assessment recommendations continue to be valid.

5.12.2 Result or Strategy for Fisheries Sensitive Watersheds

Applicable *FDUs*: #3-Okanagan, #4-TFL 49

In relation to the objective set by *government* for *fisheries sensitive watersheds* established in the identified Orders, prior to harvesting a *cutblock* or constructing a *road* within a *fisheries sensitive watershed*, the *FSP holder* will:

1. if a *fisheries sensitive watershed assessment* has been completed for that *fisheries sensitive watershed* and is considered relevant, conduct harvesting and road construction consistent with the recommendations of the a *fisheries sensitive watershed assessment*; or
2. if a *fisheries sensitive watershed assessment* has not been completed for that *fisheries sensitive watershed*, or if a *fisheries sensitive watershed assessment* is no longer considered relevant:
 - a) ensure a *fisheries sensitive watershed assessment* is completed prior to harvesting a *cutblock* or constructing a *road* within a *fisheries sensitive watershed*; and
 - b) conduct harvesting and *road* construction consistent with the recommendations of the *fisheries sensitive watershed assessment*.

5.13 Water in Community Watersheds

Source of Objective: <i>FPPR</i> section 8.2
<p>The objective set by government for water being diverted for human consumption through a licenced waterworks in a community watershed is to prevent to the extent that it does not unduly reduce the supply of timber from British Columbia's forests the cumulative hydrological effects of primary forest activities within the community watershed from resulting in</p> <p>(a) a material adverse impact on the quantity of water or the timing of the flow of the water from the waterworks, or</p> <p>(b) the water from the waterworks having a material adverse impact on human health that cannot be addressed by water treatment required under</p> <p>(i) an enactment, or</p> <p>(ii) the licence pertaining to the waterworks.</p>
Applicable <i>FDU</i> 's: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

5.13.1 Definitions

For the purposes of this result or strategy:

“community watershed” has the meaning given to it in *FPPR* section 8.2(1), and contains a licenced waterworks through which water is being diverted for human consumption.

“community watershed assessment” means a *qualified professional* assessment of a community watershed that:

1. reviews: cumulative hydrological effects of existing and proposed human activities (including *established cutblocks* and *established roads*) on the watershed; rates of hydrologic recovery within the watershed; watershed characteristics; watershed processes; and waterworks infrastructure;
2. identifies the potential for *primary forest activities* to result in:
 - a) a material adverse impact on the quantity of water or the timing of the flow of the water from the waterworks; and
 - b) the water from the waterworks having a material adverse impact on human health that cannot be addressed by required water treatment required under an enactment or the licence pertaining to the waterworks;
3. includes recommendations to mitigate potential material adverse impacts identified in part 2 of this definition; and
4. where it relates to an existing assessment, is considered relevant if a *qualified professional* determines that the assessment recommendations continue to be valid.

5.13.2 Result or Strategy for Water in Community Watersheds

Applicable *FDU*'s: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objective for water in community watersheds that is set out in section 8.2 of the *FPPR*, for the portions of all *FDU*'s that fall within a *community watershed*, the *FSP holder* adopts *FPPR* sections 59 [*Protecting Water Quality*], 60(2) [*Licensed Waterworks*], and 61 [*Excavated or Bladed Trails*], as those sections were on the *legislated planning date* of this *FSP*. In addition to the adoption of these practice requirements, the *FSP holder* will:

1. if a *community watershed assessment* has been completed for that *community watershed* and is considered relevant, conduct harvesting and *road* construction consistent with the recommendations of the *community watershed assessment*; or
2. if a *community watershed assessment* has not been completed for that *community watershed*, or if a *community watershed assessment* is no longer considered relevant:
 - a) ensure a *community watershed assessment* is completed prior to harvesting a *cutblock* or constructing a *road* within the *community watershed*; and
 - b) conduct harvesting and *road* construction consistent with the recommendations of the *community watershed assessment*.

5.14 Wildlife and Biodiversity – Landscape Level

Source of Objective: <i>FPPR</i> section 9
The objective set by government for wildlife and biodiversity at the landscape level is, without unduly reducing the supply of timber from British Columbia's forests and to the extent <i>practicable</i> , to design areas on which timber harvesting is to be carried out that resemble, both spatially and temporally, the patterns of natural disturbance that occur within the landscape.
Applicable <i>FDUs</i>: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow
Source of Objective: <i>KBHLPO</i> Objective 4

<p>To provide for more cost-effective timber harvesting based on section 68(4) of the Operational Planning Regulation (OPR), establish the green-up height as 2.5 metres for areas adequately stocked and 3.0 metres for areas not adequately stocked, based on the criteria in the regulations, except in:</p> <ul style="list-style-type: none"> i. community watersheds; ii. visually sensitive areas to be defined and determined by the District Manager, Ministry of Forests (MOF), within known <i>scenic areas</i> as identified in objective 9; iii. Enhanced Resource Development Zones - Timber as identified in objective 7 and iv. the specified fire-maintained ecosystems as identified in objective 8(d).
Applicable FDU's: #5-Arrow
Source of Objective: KBHLPO Objective 7 (2)
<p>Pursuant to section 68(4) of the OPR, the green-up height for ERDZ-T's as shown on Map 7.1 is established as successful regeneration of cutblocks provided this is consistent with any landscape unit patch size objectives that are established for any landscape unit that incorporates the ERDZ-T.</p>
Applicable FDU's: #5-Arrow

5.14.1 Definitions

For the purposes of this result or strategy:

"existing cutblock" as defined in *FPPR* section 65(1) "means a cutblock that was previously harvested under an agreement other than a minor tenure";

"new cutblock" as defined in *FPPR* section 65(1) "means a cutblock on which harvesting has not yet started and that is *adjacent* to an existing cutblock";

"non-conforming portion" means an area within an existing cutblock for which the stocking and height requirements of paragraph 5.14.2 (3) have not been met.

5.14.2 Result or Strategy for Wildlife and Biodiversity – Landscape Level

Applicable FDU's: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objective for wildlife and biodiversity at the landscape level that is set out in section 9 of the *FPPR*, and consistent with *FPPR* sections 12.4(1) and (2), the *FSP holder*:

1. adopts as a result *FPPR* section 64(1) [*Maximum cutblock size*] as that section was on the *legislated planning date* of this *FSP*;
2. will not harvest timber on a *new cutblock* unless:
 - a) all *existing cutblocks* that are *adjacent* to the *new cutblock* meet the requirements set out in subsection 3, or
 - b) the combined area of the *new cutblock* and any non-conforming portions that are immediately *adjacent* to the *new cutblock* does not exceed the requirements relating to cutblock size set out in *FPPR* section 64(1) [*maximum cutblock size*];
3. for the purpose of subsection 2(a), an *existing cutblock* must meet the criteria set out in one of the following paragraphs:
 - a) at least 75% of the net area to be reforested of the *existing cutblock* is stocked such that the average height of the tallest 10% of the trees on the area is the minimum height established in Table 5.14.2, and

- (i) is stocked in accordance with the applicable stocking standards for that *cutblock*, as described in Part 7 of this *FSP*; or
 - (ii) stocked with at least 700 trees per hectare of a commercially valuable species that are at least 1.3 metres in height;
- b) the part of the net area to be reforested of the *existing cutblock* that is closest to the *new cutblock*
 - (i) must be at least half of the net area to be reforested,
 - (ii) is stocked such that the average height of the tallest 10% of the trees on the area is the minimum height established in Table 5.14.2;
 - (iii) is stocked
 - A. in accordance with the applicable stocking standards for that *cutblock*, as described in Part 7 of this *FSP*, or
 - B. with at least 700 trees/ha of a commercially valuable species that are at least 1.3 m in height; and
- 4. Subparagraph 2 does not apply if *FPPR* sections 64 (2), (3) or (4), as those sections were on the *legislated planning date* of this *FSP*, apply to the *new cutblock*.

Table 5.14.2 Green-Up Heights	
<i>FDU</i>	Minimum average height of the tallest 10% of the trees
#1-Kamloops	3 metres
#2-Merritt	3 metres
#3-Okanagan	2 metres, as specified in the District Manager letter of September 26, 2001 entitled "Re: 2 metre Green-up height".
#4-TFL 49	2 metres, as specified in the District Manager letter of September 26, 2001 entitled "Re: 2 metre Green-up height".
#5-Arrow within ERDZ-Timber, excluding the Connectivity Corridor	The height of successful regeneration for areas adequately stocked, as specified in <i>KBHLPO</i> Part 2, Objective 7.
#5-Arrow within <i>scenic areas</i> and Community Watersheds	3 metres, as specified in <i>KBHLPO</i> Part 2, Objective 4(1).
#5-Arrow, including ERDZ-Timber Connectivity Corridor	2.5 metres, as specified in <i>KBHLPO</i> Part 2, Objective 4(1).

5.15 Wildlife and Biodiversity – Stand Level

Source of Objective: <i>FPPR</i> section 9.1
The objective set by government for wildlife and biodiversity at the stand level is, without unduly reducing the supply of timber from British Columbia's forests, to retain wildlife trees.
Applicable <i>FDUs</i>: : #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

5.15.1 Definitions

For the purposes of this result or strategy:

“block area” means the net area to be reforested of a *cutblock* combined with the area occupied by proposed permanent access structures within a *cutblock*.

“wildlife tree” as defined in *FPPR* section 1 means “...a tree or group of trees that (a) provide wildlife habitat, and (b) assist in the conservation of stand level biodiversity”.

“wildlife tree retention area” or “WTRa” as defined in means *FPPR* section 1 means “...an area occupied by *wildlife trees* that is located (a) in a *cutblock*, (b) in an area that is contiguous to a *cutblock*, or (c) in an area that is sufficiently close to the *cutblock* that the *wildlife trees* could directly impact on, or be directly impacted by, a forest practice carried out in the *cutblock*”.

“wildlife tree retained basal area equivalency” or “WTRBAE” means the equivalent area of individual, clumps or groups of *wildlife trees* retained within a *cutblock*, determined by the following equation:

$$WTRBAE = \frac{\text{basal area/ha of individual retained wildlife trees}}{\text{basal area/ha of block}} \times \text{block area}$$

“wildlife tree retention” or “WTR” means the proportion of *block area* retained as *wildlife trees* at the conclusion of harvesting, based on a combination of distinct *WTRa* reserved from harvest and *WTRBAE*, determined from the following equation:

$$WTR \% = \frac{(\text{WTRa reserved from harvest}) + (\text{WTRBAE})}{\text{block area}} \times 100$$

5.15.2 Result or Strategy for Wildlife and Biodiversity – Stand Level

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objectives set by *government* for wildlife and biodiversity at the stand level set out in section 9.1 of the *FPPR* and consistent with *FPPR* section 12.5(1), where the *FSP holder* harvests timber on a *cutblock* to which this *FSP* applies, the *FSP holder* will retain *wildlife trees* as follows:

1. at the conclusion of harvesting all *cutblocks* within a cutting permit, the *wildlife tree retention* that relates to the cutting permit will be not less than 7% of the total *block area* of the *cutblocks* within the cutting permit;
2. at the conclusion of harvesting a *cutblock*, the *wildlife tree retention* that relates to that *cutblock* will be:
 - a) for *cutblocks* with a *block area* ≥ 5 hectares, not less than 3.5%;
 - b) for *cutblocks* with a *block area* < 5 hectares, greater than 0%; and
3. for the purposes of Paragraph 5.15.2 (1) and (2), a *wildlife tree retention area* may relate to more than one *cutblock* if all of the *cutblocks* that relate to the *wildlife tree retention area* collectively meet the applicable requirements of this section.

5.15.3 Result or Strategy for Restrictions on Harvesting Wildlife Tree

Retention

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objectives set by *government* for wildlife and biodiversity at the stand level set out in section 9.1 of the *FPPR*, and consistent with *FPPR* section 12.5(2), the *FSP holder* will not harvest *wildlife tree retention* unless:

1. prior to harvest:
 - a) the trees on the net area to be reforested of the *cutblock* to which the *wildlife tree retention* relates have developed attributes consistent with a mature seral condition; or
 - b) a *qualified professional* identifies one or more *wildlife tree retention areas* that provide an area, number of trees or habitat that is equivalent to the harvested *wildlife tree retention area* from which the timber is being harvested;

2. the *wildlife tree retention* specified in Paragraph 5.15.2 has been exceeded, in which case at the conclusion of harvesting, *WTR* will be not less than the amount specified in Paragraph 5.15.2; or
3. the harvesting is conducted:
 - a) for the purpose of maintaining a *road*;
 - b) to alleviate a *safety hazard* and there is no other *practicable* option for alleviating the *safety hazard*; or
 - c) as a result of recommendations included in a *damaged timber assessment*.

5.16 Old Growth Management

5.16.1 KLRMP Area Old Growth Management Areas

<p>Source of Objectives: <i>Land Act</i> section 93.4 Ministerial Order, <i>Old Growth Management Objectives for the Kamloops LRMP Area</i>, dated March 5, 2013</p>
<p>The objectives set by government for Old Growth Management are:</p> <ol style="list-style-type: none"> 1. Conserve biodiversity by retaining old forest values and attributes, or rare features within <i>OGMAs</i> across the landscape over time. 2. Maintain all timber within <i>OGMAs</i> except as required to accommodate the following purposes: <ol style="list-style-type: none"> a) to prevent the spread of insect infestation or disease that pose a significant threat to forested areas external to the <i>OGMA</i>; b) to address <i>safety hazards</i> associated with primary forest activities; c) to provide for guyline clearance and tailhold anchors; d) to address fuel management concerns and related <i>safety hazards</i>; e) to provide <i>road</i> access where no alternative <i>practicable</i> option for <i>road</i> location exists; or f) to facilitate timber harvesting that will result in operationally <i>practicable cutblock</i> boundaries. 3. Primary forest activities conducted for the purposes under Objective #2 must: <ol style="list-style-type: none"> a) be conducted to the minimum extent necessary to accommodate the purpose; and b) not exceed the lesser of two hectares or 10% of an individual <i>OGMA</i> polygon per 20 year timeframe.
<p>Applicable FDU: #1-Kamloops</p>

5.16.1.1 Definitions

For the purpose of this result or strategy:

“**Order**” means *Land Act* section 93.4 Ministerial Order, *Old Growth Management Objectives for the Kamloops LRMP Area*, dated March 5, 2013.

5.16.1.2 Result or Strategy for KLRMP Area Old Growth Management Areas

Applicable FDU: #1-Kamloops

In relation to the objectives set by *government* for Old Growth Management Areas, the *FSP holder* will conduct *primary forest activities* consistent with the objectives of the *Order*.

5.16.2 Biodiversity Emphasis

Source of Objective: FPC section 4 Order, <i>Order Establishing Provincial Non-Spatial Old Growth Objectives</i> , effective June 30, 2004.
The objective set by government for biodiversity emphasis is required for the purpose of implementing old growth forest objectives in the Order. Biodiversity emphasis is assigned to landscape units as described in the Order.
Applicable FDU: #2-Merritt, #3-Okanagan, #4-TFL 49
Source of Objective: KBHLPO, Part 2, Objective 1 Biodiversity Emphasis
The objective set by government for biodiversity emphasis is required for the purpose of implementing old and mature forest objectives in the Order. Biodiversity emphasis is assigned to landscape units as described in the Order.
Applicable FDU: #5-Arrow

5.16.2.1 Definitions

For the purpose of this result or strategy:

“**Order**” means, in FDU's #2, #3 and #4, *Order Establishing Provincial Non-Spatial Old Growth Objectives*, effective June 30, 2004, and in FDU #5 the KBHLPO.

5.16.2.2 Result or Strategy for Biodiversity Emphasis

Applicable FDU: #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objectives set by *government* for Biodiversity Emphasis, the FSP holder will harvest a *cutblock* and construct a *road* within the FDU's indicated only if that cutblock harvesting or construction is consistent with the biodiversity emphasis assigned within the applicable *Order*.

5.16.3 Non-Spatial Old Growth Objectives

Source of Objective: FPC section 4 Order, <i>Order Establishing Provincial Non-Spatial Old Growth Objectives</i> , effective June 30, 2004.
The objective set by government for Non-Spatial Old Growth Management is to contribute to the conservation of biodiversity, by maintaining old forest to the levels specified in the <i>Order</i> , subject to specifications and provisions within the <i>Order</i> .
Applicable FDU: #2-Merritt, #3-Okanagan, #4-TFL 49

5.16.3.1 Definitions

For the purposes of this result or strategy:

“**old growth management area**” or “**OGMA**” means:

- within FDU #2-Merritt, a non-legal area, spatially identified as an OGMA to meet the objectives specified in the Order. The OGMA source data is depicted on a OGMA Consolidated Map and housed by the Ministry responsible for Forests in accordance with the Cascades Forest District Agreement For Managing OGMA Consolidation Mapping, as approved by the DOIT committee members on July 15, 2013; and

- b) within *FDU's* #3-Okanagan, and #4-TFL 49, a non-legal area, spatially identified as an *OGMA* to meet the objective specified in the Order. The *OGMA* source data is housed in the BC Geographic Warehouse as “Old Growth Management Areas – Non-Legal”. Changes to this data related to incursion and replacement are housed internally by the *holder*.

“**OGMA consolidated map**” means the most current depiction of *OGMA* source data within *FDU* #2, as updated time to time in accordance with the Cascades Forest District Agreement For Managing *OGMA* Consolidation Mapping.

“**minor OGMA incursion**” means harvesting within an *OGMA* that does not exceed the lesser of 10 hectares or 10% of an individual *OGMA* polygon, and is conducted:

- a) when recommended by a *damaged timber assessment*;
- b) to alleviate *safety hazards* associated with primary forest activities;
- c) to maintain or construct a *road* where no alternative *practicable* option for *road* location exists; or
- d) to facilitate timber harvesting that will result in operationally *practicable cutblock* boundaries in relation to a physical feature or *administrative boundary*.

“**Order**” means the *Order Establishing Provincial Non-Spatial Old Growth Objectives*, effective June 30, 2004.

5.16.3.2 Result or Strategy for Non-Spatial Old Growth

Applicable *FDU*: #2-Merritt, #3-Okanagan, #4-TFL 49

In relation to the objectives set by *government* for Non-Spatial Old Growth Management Areas, the *FSP holder* will:

1. not construct a *road* or harvest a *cutblock* within an *OGMA* unless the *road* construction or harvesting qualifies as a *minor OGMA incursion*;
2. if the *FSP holder* constructs a *road* or harvests a *cutblock* within an *OGMA*, and the *minor OGMA incursion* exceeds 1.0 hectares:
 - a) prior to reporting the harvest completion of the *cutblock*, the *FSP holder* will identify an area to replace the *minor OGMA incursion* that:
 - (i) is the same area or larger than the *minor OGMA incursion*;
 - (ii) is within the same landscape unit and *BEC* as the *minor OGMA incursion*;
 - (iii) is comprised of *VRI* polygons that are consistent with one of the following:
 - A. the age of old forest identified in section 2 of the Order;
 - B. section 6 of the Order; or
 - C. of equal or greater age class than the *OGMA* to be harvested; and
 - b) if that *road* construction or *cutblock* harvesting is located in *FDU* #2, ensure that the host of the *OGMA consolidated map* is provided with the spatial data related to that *road* construction or *cutblock* harvesting within 12 months of the date of the *minor OGMA incursion*.

5.16.4 KBHLPO Old and Mature Forests

Source of Objective: <i>KBHLPO</i> , Part 2, Objective 2 and 5(3, 4 and 6) [old within connectivity corridors]
The objective set by government for Old and Mature Forest in the KBHLP area is to contribute to the conservation of biodiversity, by maintaining mature and old to the levels specified in the <i>Order</i> , subject to specifications and provisions within the <i>Order</i> .
Applicable FDU: #5-Arrow

5.16.4.1 Definitions

For the purposes of this result or strategy:

“**Order**” means the *KBHLPO*.

“**old growth management area**” or “**OGMA**” means a non-legal area, spatially identified as an *OGMA* in order to meet the objective for Old forest specified in the *Order*. The *OGMA* source data is housed in the BC Geographic Warehouse as “Old Growth Management Areas – Non-Legal”. Changes to this data related to incursion and replacement are housed internally by the *holder*.

“**minor OGMA incursion**” means harvesting within an *OGMA* that does not exceed the lesser of 10 hectares or 10% of an individual *OGMA* polygon, and is conducted:

- a) when recommended by a *damaged timber assessment*;
- b) to alleviate *safety hazards* associated with *primary forest activities*;
- c) to maintain or construct a *road* where no alternative *practicable* option for *road* location exists; or
- d) to facilitate timber harvesting that will result in operationally *practicable cutblock* boundaries in relation to a physical feature or *administrative boundary*.

“**mature**” and “**old**” forests have the meanings given to them in *KBHLPO* Objective 2.

5.16.4.2 Result or Strategy for *KBHLPO* Old and Mature Forests

Applicable *FDU*: #5-Arrow

In relation to the objectives set by *government* for Old and Mature Forest in the *KBHLPO* area, the *FSP holder* will:

1. conduct harvesting and *road* construction within the *KBHLPO* area consistent with *KBHLPO* Objective 2;
2. with respect to *KBHLPO* Objective 2 Old forest levels:
 - a) not construct a *road* or harvest a *cutblock* within an *OGMA* unless the *road* construction or harvesting qualifies as a *minor OGMA incursion*;
 - b) if the *FSP holder* constructs a *road* or harvests a *cutblock* with an *OGMA* and the *minor OGMA incursion* exceeds 1.0 hectares, prior to reporting the harvest completion of the *cutblock*, identify an area to replace the *minor OGMA incursion* that:
 - (i) is the same area or greater than the *minor OGMA incursion*;
 - (ii) is within the same landscape unit and *BEC* as the *minor OGMA incursion*; and
 - (iii) is comprised of *VRI* polygons that are consistent with one of the following:
 - A. the age of *mature* or *old* forests as identified in Objective 2 of the *Order*;
 - or
 - B. of equal or greater age class than the *OGMA* that is harvested; and
3. with respect to *KBHLPO* Objective 2, Mature + Old forest levels, prior to harvesting a *cutblock* or constructing a *road* within a Landscape Unit where Mature + Old requirements are specified:
 - a) complete a seral stage distribution spatial analysis of the *forested area* within the Landscape Unit where harvesting is proposed that includes the impact of the proposed harvesting, proposed roads, *established cutblocks*, and *established roads* to the seral stage distribution; and
 - b) if the result of the analysis indicates that the *KBHLPO* Objective 2 Mature + Old targets will not be maintained, not harvest a *cutblock* or construct a *road* unless a Registered Professional Forester prepares a recruitment strategy to achieve the targets, consistent with *KBHLPO* Objective 2(5) and footnote k.

5.17 OSLRMP LUO Basic Levels of Coarse Woody Debris Areas

Source of Objective: OSLRMP LUO Objective 1, Basic Levels of Coarse Woody Debris Areas
The objective for areas shown on LUO Map 1 is, for the purposes of conserving soil, wildlife habitat and biodiversity at the stand level, to retain basic levels of coarse woody debris, including but not limited to stub trees, standing trees, firmwood reject logs and poor quality grade 4 logs across sites subject to timber harvesting.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.17.1 Definitions

For the purposes of this result or strategy:

“basic levels of coarse woody debris areas” means the areas shown on OSLRMP LUO Map 1 as Basic Levels of Coarse Woody Debris Areas.

“mature tree” means a lodgepole pine tree at least 12.5 cm *dbh*, or another tree species at least 17.5 cm *dbh*.

“stub” means a *mature tree* that is either mechanically felled or broken off at least 3m above the ground.

5.17.2 Result or Strategy for OSLRMP LUO Basic Levels of Coarse Woody Debris Areas

Applicable FDUs: #3-Okanagan, #4-TFL 49

In relation to the OSLRMP LUO Objective 1, Basic Levels of Coarse Woody Debris Areas, where the FSP holder harvests a *cutblock*:

- a) within a *basic levels of coarse woody debris area*;
- b) that has a NAR greater than 20 hectares;
- c) that is not subject to a broadcast burn prescription; and
- d) that is harvested with a ground based harvest system;

at the conclusion of harvesting the *cutblock*, where practicable the FSP holder will not cause there to be less than an average 2 per hectare of:

- (i) standing *mature trees*;
- (ii) *stubs*; or
- (iii) any combination thereof.

5.18 OSLRMP LUO Basic and Enhanced Levels of Coarse Woody Debris Areas

Source of Objective: OSLRMP LUO Objective 2, Basic and Enhanced Levels of Coarse Woody Debris Areas
The objective for areas shown on LUO Map 2 is, for the purposes of conserving the suitability of Grizzly Bear, Marten and Fisher habitat at the stand level, and within landscape units of higher biodiversity emphasis, to retain basic and enhanced levels of coarse woody debris, including but not limited to, standing trees, stub trees and tree pieces across sites subject to timber harvesting.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.18.1 Definitions

For the purposes of this result or strategy:

“basic and enhanced levels of coarse woody debris areas” means the areas shown on *OSLRMP LUO* Map 2 as Basic and Enhanced Levels of Coarse Woody Debris Areas.

“mature tree” means a lodgepole pine tree at least 12.5 cm *dbh*, or another tree species at least 17.5 cm *dbh*.

“stub” mean a *mature tree* that is either mechanically felled or broken off at least 3m above the ground.

“tree piece” means a portion of a tree at least 3 metres in length and a minimum diameter of 30 cm.

5.18.2 Result or Strategy for *OSLRMP LUO* Basic and Enhanced Levels of Coarse Woody Debris Areas

Applicable *FDUs*: #3-Okanagan, #4-TFL 49

In relation to the *OSLRMP LUO* Objective 2, Basic and Enhanced Levels of Coarse Woody Debris Areas, if the *FSP holder* harvests a *cutblock*:

- a) within *basic and enhanced levels of coarse woody debris areas*;
- b) that has a *NAR* greater than 20 hectares;
- c) that is not subject to a broadcast burn prescription;
- d) that is harvested with a ground based harvest system; and
- e) if that *cutblock* is located within:
 - (i) an area mapped as “moderately-high” or “high” grizzly habitat suitability on page “Wildlife_Grizzly 4-15” of the *OSLRMP*;
 - (ii) the *Fly Hills Marten RMZ* (as defined in Paragraph 5.4.2.1);
 - (iii) *marten areas* (as defined in Paragraph 5.4.2.1) located outside of the *Fly Hills RMZ* and contains the riparian management area of an S4, S5 or S6 stream that does not have an *enhanced riparian reserve* (as defined in Paragraph 5.8.1);
 - (iv) *fisher areas* (as defined in Paragraph 5.4.3.1) and contains a riparian management area of an S5 or S6 stream;
 - (v) the Seymour, Upper Shuswap, and Ashnola landscape units; or
 - (vi) the high biodiversity emphasis portion of the Anarchist landscape unit;

at the conclusion of harvesting that *cutblock* and within those areas associated with that *cutblock* that are identified in clause e), where applicable and subject to Paragraphs 5.4.2.2 and 5.4.3.2, the *FSP holder* will not cause there to be less than an average 10 per hectare of:

- A. standing *mature trees*;
- B. *stubs*;
- C. *tree pieces*; or
- D. any combination thereof.

5.19 Visual Quality

5.19.1 Definitions

For the purposes of these strategies:

“visual landscape inventory” or **“VLI”** means an inventory that identifies and delineates areas of visual sensitivity near communities and along travel corridors throughout the province. It includes information about the visual condition, characteristics and sensitivity to alteration. VLI spatial and attribute data is housed in the BC Geographic Warehouse.

“visual sensitivity unit” or **“VSU”** is a component of the *VLI* and means a distinct topographical unit as viewed from one or more viewpoints, established for the purpose of visual inventory classification.

“visual sensitivity class” or **“VSC”** is a component of the *VLI* and can be described as a relative measure of the sensitivity of a *VSU* to visual alteration, applied on a scale of 1 through 5, where the higher numerically the VSC, the less likely a visual alteration will cause concern and/or the more the *VSU* can be altered before causing concern.

“visual quality objective” or **“VQO”** has the meaning given to it in *FPPR* section 1. VQO spatial and attribute data is housed in the BC Geographic Warehouse.

“significant public viewpoint” means a place or location on the water or land that is accessible to the public, provides a viewing opportunity and has relevance to the landscape being assessed.

“landform” means a distinct topographic feature, three dimensional in form, that is generally defined by ridges, valleys, shorelines and skylines, a number of which can make up a complete landscape.

“altered forest landscape”, as defined in *FPPR* section 1, “means forest landscape that

- a) is viewable from a *significant public viewpoint*,
- b) contains *cutblocks* or *roads*, and
- c) is in one of the categories prescribed under *FPPR* section 1.1”.

“categories of visually altered forest landscape” have the meaning given to them under *FPPR* section 1.1, and are defined by subjective measures of some or all of the following attributes:

- a) scale (or size);
- b) ease of seeing (or visual acuity); and
- c) shape (or appearance).

“foreground alteration” means an *altered forest landscape* that is located not more than 1.0 kilometres from a *significant public viewpoint*.

“non-visually effective green up” or **“non-VEG”** means areas within *established cutblocks* and harvested *cutblocks* to which this *FSP* applies that are visible from a *significant public viewpoint* and have been harvested or are planned to be harvested in a manner that does not satisfy at least one of the following criteria:

1. at least 75% of the net area to be reforested is stocked with at least 400 trees per hectare that are at least 3.0 metres in height;
2. 40% or more of the basal area of the stand at the commencement of the harvesting was or will be retained at the conclusion of the harvesting;
3. no point within the net area to be reforested is more than two tree lengths from either the *cutblock* boundary or a group of trees reserved from harvesting that is greater than or equal to 0.25 hectares in size; or

4. no point within the net area to be reforested is more than one tree length from a group of trees reserved from harvesting that is less than 0.25 hectares in size.

“**landform percent alteration**” means the proportion of a *landform* that is *altered forest landscape* and *non-VEG*, measured in perspective view from a *significant public viewpoint*, and calculated as:

$$\% = \frac{\text{landform area as non-VEG altered forest landscape}}{\text{landform area}} \times 100$$

5.19.2 KHLPO Visual Quality in Scenic Areas with a VSC, without a VQO

Source of Objective: <i>FPPR</i> section 9.2 (2)
<p>The objective set by government in relation to visual quality for a <i>scenic area</i>, that</p> <ol style="list-style-type: none"> a) was established on or before October 24, 2002, and b) for which there is no visual quality objective <p>is to ensure that the altered forest landscape for the <i>scenic area</i></p> <ol style="list-style-type: none"> c) in visual sensitivity class 1 is in either the preservation or retention category, d) in visual sensitivity class 2 is in either the retention or partial retention category, e) in visual sensitivity class 3 is in either the partial retention or modification category, f) in visual sensitivity class 4 is in either the partial retention or modification category, and g) in visual sensitivity class 5 is in either the modification or maximum modification category.
Applicable FDUs: #1-Kamloops (only applies to former Headwaters Forest District portion of <i>FDU</i> #1)
Source of Objective: <i>KHLPO</i> section 2.1.14.1
The primary objective in Visually Sensitive Areas is to ensure that the levels of visual quality expected by society are achieved on Crown land in keeping with the concepts and principles of integrated resource management.
Applicable FDUs: #1-Kamloops
Source of Objective: <i>KHLPO</i> section 2.6.1
Maintain viewsapes in recreation and tourism areas to a standard that does not detract from the recreational enjoyment of users.
Applicable FDUs: #1-Kamloops

5.19.2.1 Result or Strategy for KHLPO Visual Quality in Scenic Areas with a VSC, without a VQO

Applicable *FDUs*: #1-Kamloops

In relation to the objectives set by *government* for visual quality in a *scenic area* for which there is an established *visual sensitivity class* from a *visual landscape inventory* and no legally established *visual quality objective*, the *FSP holder* will:

1. prior to harvesting a *cutblock* or constructing a *road* in that *scenic area* ensure that a *qualified professional* designs the *altered forest landscape* (including *established cutblocks* and *established roads*) resulting from the *cutblock* harvesting and *road* construction, when assessed from a *significant public viewpoint*:
 - a) to be consistent to the extent *practicable* with a *category of visually altered forest landscape* that is applicable to the established *visual sensitivity class* as indicated in Table 5.19.2.1a and described in *FPPR* section 9.2(2); and

Table 5.19.2.1a Category of Visually Altered Forest Landscape Applicable to a VSC				
VSC 1	VSC 2	VSC 3	VSC 4	VSC 5
preservation or retention	retention or partial retention	partial retention or modification	partial retention or modification	modification or maximum modification

- b) for the purposes of subparagraph (a) an *altered forest landscape* is consistent with the scale attribute applicable to the *category of visually altered forest landscape* that applies to that *landform* if the *landform percent alteration* does not exceed the limit for the applicable *visual sensitivity class* as specified in Table 5.19.2.1b.

Table 5.19.2.1b Landform Percent Alteration Limits				
VSC 1	VSC 2	VSC 3	VSC 4	VSC 5
1.5	7.0	18.0	18.0	30.0

2. if the *FSP holder* proposes to harvest a *cutblock* or construct a *road* in that *scenic area* for the purpose of removing *damaged timber*, timber adjacent to an *administrative boundary*, or timber associated with a *safety hazard* or *foreground alteration*, prior to harvesting the *cutblock* or constructing the *road*, ensure that a *qualified professional*:
 - a) conducts a *damaged timber assessment* where applicable;
 - b) designs the *altered forest landscape* (including *established cutblocks* and *established roads*) resulting from the *cutblock* harvesting and *road* construction, when assessed from a *significant public viewpoint* to be consistent:
 - (i) with the recommendations of an applicable *damaged timber assessment*;
 - (ii) to the extent *practicable* with a *category of visually altered forest landscape* that is applicable to the established *visual sensitivity class*, as indicated in Table 5.19.2.1a and described in *FPPR* section 9.2(2); and
 - c) prepares a rationale supporting the *altered forest landscape* design that indicates which attributes of the applicable *category of altered forest landscape* (scale, visual acuity, shape) the *altered forest landscape* design is consistent with, given that it is not *practicable* to be consistent with all of the attributes of the applicable *category of altered forest landscape*, taking into account the circumstances or conditions applicable to that *scenic area* that are related to the *damaged timber*, *administrative boundary*, *safety hazard* or *foreground alteration*.
3. conduct the *cutblock* harvesting and *road* construction consistent with the *qualified professional* design.

5.19.3 Visual Quality in Scenic Areas with a VQO

Source of Objective: <i>FRPA</i> section 181
The objectives set by government for visual quality in <i>scenic areas</i> are the established Visual Quality Objectives, applied in accordance with <i>FPPR</i> Section 1.1, [<i>Categories of Visually Altered Forest Landscape</i>].
Applicable FDUs: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49
Source of Objective: <i>GAR</i> section 7(1) Order, December 31, 2005

The objectives set by government for visual quality in <i>scenic areas</i> are the established Visual Quality Objectives, applied in accordance with <i>FPPR</i> Section 1.1, [<i>Categories of Visually Altered Forest Landscape</i>].
Applicable FDUs: #5-Arrow
Source of Objective: <i>KHLPO</i> section 2.1.14.1
The primary objective in Visually Sensitive Areas is to ensure that the levels of visual quality expected by society are achieved on Crown land in keeping with the concepts and principles of integrated resource management.
Applicable FDUs: #1-Kamloops
Source of Objective: <i>KHLPO</i> section 2.6.1
Maintain viewsapes in recreation and tourism areas to a standard that does not detract from the recreational enjoyment of users.
Applicable FDUs: #1-Kamloops
Source of Objective: <i>OSLRMP LUO</i> Objective 10a
The objective for the area shown on LUO Map 10 is to maintain resources and values associated with Community/Crown Interface areas and <i>scenic areas</i> when planning and implementing forest health operations.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.19.3.1 Result or Strategy for Visual Quality in Scenic Areas with a VQO

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objectives set by *government* for visual quality in *scenic areas* with a *VQO*, the *FSP* holder will:

1. prior to harvesting a *cutblock* or constructing a *road* in that *scenic area*, ensure a *qualified professional* designs the *altered forest landscape* (including *established cutblocks* and *established roads*) resulting from the *cutblock* harvesting and *road* construction, when assessed from a *significant public viewpoint*:
 - a) to be consistent to the extent *practicable* with the established *VQO*, as defined by the applicable *category of visually altered forest landscape*; and
 - b) for the purposes of subparagraph (a), an *altered forest landscape* is consistent with the scale attribute applicable to the *category of visually altered forest landscape* that applies to that *landform* if the *landform percent alteration* does not exceed the limit for the applicable *visual sensitivity class* specified in Table 5.19.3.1;

Table 5.19.3.1 Landform Percent Alteration Limits					
Category of Visually Altered Forest Landscape applicable to a VQO	VSC 1	VSC 2	VSC 3	VSC 4	VSC 5
Preservation	0	0	1.5	1.5	1.5
Retention	1.5	1.5	7.0	7.0	7.0
Partial Retention	7.0	7.0	18.0	18.0	18.0
Modification	18.0	18.0	18.0	18.0	18.0
Maximum Modification	30.0	30.0	30.0	30.0	30.0

2. if the *FSP holder* proposes to harvest a *cutblock* or construct a *road* in that *scenic area* for the purpose of removing *damaged timber*, timber adjacent to an *administrative boundary*, or timber associated with a *safety hazard* or *foreground alteration*, prior to harvesting the *cutblock* or constructing the *road*, ensure that a *qualified professional*:
 - a) conducts a *damaged timber assessment* where applicable;
 - b) designs the *altered forest landscape* (including *established cutblocks* and *established roads*) resulting from the *cutblock* harvesting and *road* construction, when assessed from a *significant public viewpoint*, to be consistent:
 - (i) with the recommendations of an applicable *damaged timber assessment*;
 - (ii) to the extent *practicable* with the *VQO*, given the circumstances and conditions applicable to the *scenic area* that are related to the *damaged timber*, *administrative boundary* or *safety hazard*;
 - c) prepares a rationale supporting the *altered forest landscape* design that indicates which attributes of the *VQO* (scale, visual acuity, shape) the *altered forest landscape* design is consistent with, to the extent that it is not *practicable* to be consistent with all of the attributes of the *VQO*, taking into account the circumstances or conditions applicable to that *scenic area* that are related to *damaged timber*, *administrative boundary*, *safety hazard*, or *foreground alteration*; and
3. conduct the *cutblock* harvesting and *road* construction consistent with the *qualified professional* design.

5.19.4 KHLPO Visual Quality outside Visually Sensitive Areas

Source of Objective: KHLPO section 2.1.14.1
Areas outside the identified visually sensitive areas in the Kamloops LRMP are managed for landscape objectives as follows: alterations may dominate the characteristic landscape but must borrow from natural line and form to such an extent and on such a scale that they are compatible to natural occurrences.
Applicable FDUs: #1-Kamloops

5.19.4.1 Result or Strategy for KHLPO Visual Quality outside Visually Sensitive Areas

Applicable FDUs: #1-Kamloops

In relation to the *KHLPO* objective for areas outside the identified visually sensitive areas, or areas within the identified visually sensitive areas in the Kamloops LRMP that do not have established *visual quality objectives* or *visual sensitivity classes*, the *FSP holder* will:

1. ensure consistency with:
 - a) Paragraph 5.14.2 [Result or Strategy for Wildlife and Biodiversity – Landscape Level]; and
 - b) Paragraph 5.15.2 [Result or Strategy for Wildlife and Biodiversity – Stand Level].

5.19.5 OSLRMP LUO Tourism Areas Foreground Visual Quality

Source of Objective: OSLRMP LUO Objective 5 Tourism Areas
The objective for areas shown on LUO Map 5 is to maintain foreground visual quality from viewpoints on existing tourism areas, facilities, trails and natural features important for tourism.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.19.5.1 Definitions

For the purposes of this result or strategy:

“**tourism areas**” means the areas indicated on the *OSLRMP LUO* Map 5 as Tourism Areas.

“**foreground viewpoint**” means, within a *tourism area*, a location of an existing facility, trail or natural feature important to tourism that is accessible to the public, provides a viewing opportunity and is located not more than 1.0 km from a *cutblock* or *road*.

“**foreground visual quality design**” means a design of *cutblock* harvesting and *road* construction, completed by a *qualified professional*, to address visual quality from a *foreground viewpoint*. The design may include but is not limited to the creation of *cutblock* boundaries that are irregular shape or the retention of individual or clumps of trees to provide partial foreground visual screening and increase visual variety.

5.19.5.2 Result or Strategy for OSLRMP LUO Tourism Areas Foreground Visual Quality

Applicable *FDUs*: #3-Okanagan, #4-TFL 49

In relation to the *OSLRMP LUO* Objective 5, Tourism Areas, if the *FSP holder* harvests a *cutblock* or constructs a *road* within *tourism areas* as indicated on *LUO* Map 5, the *FSP holder* will:

1. within *tourism areas* that overlap with *scenic areas*, ensure consistency with Paragraph 5.19.3.1 [Result or Strategy for Visual Quality in Scenic Areas with a VQO];
2. within *tourism areas* that are located outside of *scenic areas*, where the *FSP holder* determines that a *cutblock* or *road* will be visible from a *foreground viewpoint*:
 - a) prior to harvesting the *cutblock* or constructing the *road*, ensure that a *foreground visual quality design* is completed; and
 - b) conduct harvesting and *road* construction consistent with the *foreground visual quality design*.

5.20 Cultural Heritage Resources

Source of Objective: <i>FPPR</i> section 10
The objective set by government for cultural heritage resources is to conserve, or, if necessary, protect cultural heritage resources that are <ol style="list-style-type: none">(a) the focus of a traditional use by an aboriginal people that is of continuing importance to that people, and(b) Not regulated under the <i>Heritage Conservation Act</i>.
Applicable <i>FDUs</i> : #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

5.20.1 Definitions

For the purposes of this result or strategy:

“**potentially affected First Nations**” means those First Nations with interest within an area:

- a) as indicated by the *government* maintained database housing this information; or
- b) who have expressed their interest directly to the *FSP holder*.

“cultural heritage resource” or “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*.

“CHR evaluation” means a field or office based process conducted:

- a) by an authorized member of a *potentially affected First Nations* or a *qualified professional*; and
- b) where the *potentially affected First Nations* has shared information with the *FSP holder* regarding the presence, relative value and abundance of a *CHR*;
- c) in order to:
 - (i) assess the potential direct impact of *primary forest activities* on a *CHR*; and
 - (ii) provide site information or recommendations for the development of strategies to mitigate the potential direct impact of *primary forest activities* on a *CHR*.

“CHR evaluation protocol” means a signed agreement or the portion of a signed agreement between the *FSP holder* and a *potentially affected First Nations* that defines the framework and timing of a *CHR evaluation*.

“CHR mitigation strategy” means a plan to mitigate the direct impact of *primary forest activities* on an identified *CHR*, based on:

- a) the relative value or importance of a particular *cultural heritage resource* to a traditional use by an aboriginal people;
- b) the relative abundance or scarcity of a *cultural heritage resource* that is the focus of a traditional use by an aboriginal people;
- c) the historical extent of a traditional use by an aboriginal people of a *cultural heritage resource*;
- d) the impact on *government* granted timber harvesting rights of conserving or protecting a *cultural heritage resource* that is the focus of a traditional use by an aboriginal people; and
- e) options for mitigating the impact that a forest practice might have on a *cultural heritage resource* that is the focus of a traditional use by an aboriginal people.

5.20.2 Result or Strategy for Cultural Heritage Resources

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objective for *cultural heritage resources* that is set out in section 10 of the *FPPR*, where a *potentially affected First Nations* has not been contacted in order to identify where a *CHR evaluation* is recommended for areas of proposed harvesting or *road* construction, the *FSP holder* will:

1. prior to harvesting a *cutblock* or constructing a *road*:
 - (a) share information regarding the location of the proposed harvesting and *road* construction to *potentially affected First Nations*, ensuring existing *CHR evaluation protocols* are followed where they exist, and request that the *potentially affected First Nations*:
 - (i) indicates the presence, relative value and abundance of a *CHR*; and
 - (ii) identifies where a *CHR evaluation* is recommended;
 - (b) where a *potentially affected First Nations* responds within the timeline specified as part of the information sharing and identifies the need for a *CHR evaluation*, ensure a *CHR evaluation* is completed on the area of proposed harvesting and *road* construction;
 - (c) where a *CHR evaluation* includes recommendations to mitigate the direct impact of *primary forest activities* on a *CHR*, develop a *CHR mitigation strategy*;
2. conduct *primary forest activities* on the area that is the focus of the *CHR evaluation* consistent with the *CHR mitigation strategy*; and

3. if a previously unidentified *CHR* is encountered during harvesting or *road* construction, modify or stop these activities to the extent necessary to protect the *CHR*, and apply subparagraph 1 to the *CHR*.

5.21 KHLPO Archaeological Assessments

Source of Objective: KHLPO section 2.1.16
Undertake archaeological assessments in all High and Medium Potential areas identified in the Archaeological Overview Assessment.
Applicable FDUs: #1-Kamloops

5.21.1 Definitions

For the purposes of this result or strategy:

“Archaeological Overview Assessment” or **“AOA model”** means the Kamloops TSA 2010 AOA model overview maps, or as amended from time to time, and housed by the Thompson Rivers Forest District. These maps indicate areas of low, medium or high archaeological potential within the Kamloops TSA.

“archaeological resource” means the physical remains of past human activity that is protected under the Heritage Conservation Act (RSBC 1996 Chap 187).

“archaeological assessment” means an evaluation of archaeological resources within and adjacent to the area where cutblock harvesting or road construction is proposed, which is conducted using the following process:

- Step 1 office review, completed by a *participating First Nation*, is an office review of applicable First Nations land use history and evidence of traditional or cultural use. Step 1 findings may determine that no further work is required or, when supported by a rationale, that the potential for archaeological resources on site warrants proceeding to Step 2;
- Step 2 preliminary field review (PFR), completed by a *participating First Nation*, is a field review of applicable First Nations land use history and evidence of traditional or cultural use. Step 2 findings may determine that no further work is required or, when supported by a rationale, that the potential for archaeological resources on site warrants proceeding to Step 3;
- Step 3 comprehensive field review, completed by a *participating First Nation*, is a more detailed field review of applicable First Nations land use history and evidence of traditional or cultural use. Step 3 findings may determine that no further work is required, or if archaeological evidence is found, mitigation recommendations can be put forward by the *participating First Nation* to avoid the site or proceed to Step 4; and
- Step 4 archaeological impact assessment (AIA), completed under permit from the Archaeology Branch by an archaeologist, evaluates the significance of the archaeological resource to be adversely affected, as well as an assessment of the nature and extent of the impacts expected. The purpose of the assessment is to provide recommendations as to the most appropriate manner in which the resource may be managed in light of the identified impacts. The recommendations may include alteration of proposed development plans to avoid resource impact or mitigative studies directed at retrieving resource values prior to impact.

“participating First Nations” means those First Nations communities listed in the “Implementation Guidelines for the Kamloops AOA model and process (Version September 2013 – Appendices updated Nov 2014)”, or as this document is amended from time to time.

5.21.2 Result or Strategy for *KHLPO* Archaeological Assessments

Applicable *FDUs*: #1-Kamloops

In relation to the objective set by *government* to undertake archaeological assessments in all High and Medium Potential areas identified in the Archaeological Overview Assessment, where a cutblock or road is proposed within *FDU* #1-Kamloops in a High or Medium Potential area as identified in the *AOA model*, the *FSP* Holder will, prior to harvesting that cutblock or constructing that road, undertake *archaeological assessments* consistent with the *Implementation Guidelines for the Kamloops AOA model and process* (Version September 2013 – Appendices updated Nov 2014), or as this document is amended from time to time.

5.22 Interpretive Forest Sites, Recreation Sites or Recreation Trails

Source of Objective: <i>FRPA</i> 181
Interpretive forest sites, recreation sites and recreation trails that were legally designated under <i>FPC</i> have been continued under <i>FRPA</i> section 180. Where objectives for these interpretive forest sites, recreation sites and recreation trails were legally established under <i>FPC</i> , the objectives have been continued under <i>FRPA</i> 181.
Applicable <i>FDUs</i>: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

5.22.1 Definitions

For the purposes of this result or strategy:

“**objective**” means, within the applicable *FDU*, the legally established objective(s) for:

- Recreation Sites and Trails in the Clearwater Forest District, dated March 24, 1997;
- Recreation Sites and Trails within the Salmon Arm Forest District, dated September 15, 1997;
- The Eagle Creek Recreation Trail in the Arrow Boundary Forest District, dated May 26, 1998;
- Recreation Sites and Trails within the Cascades Forest District, dated January 31, 2000;
- Rose Swanson Sensitive Area, *Order to Establish a Sensitive Area and Objectives*, dated April 30, 1997; and
- Recreation Sites and Trails within the Arrow *TSA*.

“**site**” means a recreation site or area legally designated under *FPC*, and continued under *FRPA* section 180, for which a legal *objective* is continued under *FRPA* section 181. The extent of these *sites* is identified spatially on files held in the B.C. Geographic Warehouse. The list of *sites* and *objectives* is included in Appendix B to this *FSP*; and

“**trail**” means a recreation trail legally designated under *FPC*, and continued under *FRPA* section 180 for which a legal *objective* is established under *FRPA* section 181. The location of these trails is identified spatially on files held in the B.C. Geographic Warehouse. The list of trails and *objectives* is included in Appendix B to this *FSP*.

“**recreation site or trail management strategy**” means a strategy developed by the *FSP* holder which ensures that cutblock harvesting and road construction is designed to be consistent with those legally established recreation site or trail objectives that pertain to the *FSP holder*.

5.22.2 Result or Strategy for Interpretive Forest Sites, Recreation Sites or Recreation Trails

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the objectives set by *government* for interpretive forest *sites*, recreation *sites* and recreation *trails*, the *FSP holder* will:

1. prior to harvesting a *cutblock* or constructing a *road* within 100 metres (slope distance) of a *site* or *trail*:
 - a) refer proposed harvesting or *road* construction to the Ministry responsible for recreation, requesting input on the proposed harvesting or road construction as it relates to the established *site* or *trail objectives*;
 - b) develop a *recreation site or trail management strategy*, incorporating input from the Ministry responsible for recreation where they have responded within the timeline specified in the referral, and to the extent that it is *practicable* to do so;
 - c) communicate the *recreation site or trail management strategy* to the Ministry responsible for recreation; and
2. conduct harvesting and *road* construction consistent with the *recreation site or trail management strategy*.

5.23 KHLPO Recreation and Tourism Zones

Source of Objective: <i>KHLPO</i> section 2.6.1.
Road and trail construction, maintenance and deactivation and other surface disturbances and construction will be undertaken in a manner that meets the management objectives of each recreation and tourism zone, in accordance with direction from an approved plan, local process, or enhanced referral
Applicable <i>FDUs</i> : #1-Kamloops

5.23.1 Definitions

For the purpose of this result or strategy:

“**recreation and tourism RMZ**” means the areas spatially identified on *KLRMP Figure 11: Special Resource Management Recreation and Tourism*, and labelled as Recreation and Tourism Resource Management Zones.

5.23.2 Result or Strategy for KHLPO Recreation and Tourism Zones

Applicable *FDUs*: #1-Kamloops

In relation to the objective set by *government* for recreation and tourism zones, where *government* initiates an access management plan or process for a *recreation and tourism RMZ* and the *FSP holder* has been provided an opportunity to participate in the planning process, the *FSP holder* will conduct *cutblock* harvesting, *road* construction and *road* deactivation within the *recreation and tourism RMZ* consistent with the direction provided in an approved access management plan or process, to the extent that it is *practicable* to do so.

5.24 KHLPO Remote Recreation and Tourism Zones

Source of Objective: KHLPO section 2.6.1.4
Extractive uses are permitted providing they are consistent with the objectives of the resource management zone.
Applicable FDUs: #1-Kamloops

5.24.1 Definitions

For the purpose of this result or strategy:

“remote recreation and tourism RMZ” means the following areas spatially identified in *KLRMP Figure 11: Special Resource Management Recreation and Tourism*, labelled as Recreation and Tourism Resource Management Zones, and designated as Management Category: Remote in *KLRMP* section 2.6.2 *Area-Specific Objectives and Strategies*:

- a) R2. Bischoff;
- b) R4. Bone; and
- c) R7. North Thompson Glacier.

5.24.2 Result or Strategy for KHLPO Remote Recreation and Tourism Zones

Applicable FDUs: #1-Kamloops

In relation to the objective set by *government* for remote recreation and tourism zones, where the *FSP holder* proposes harvesting or *road* construction within a *remote recreation and tourism RMZ*, the *FSP holder* will:

- 1) prior to harvesting a *cutblock* within a *remote recreation and tourism RMZ*, ensure that a *qualified professional* designs the *cutblock* harvesting to be consistent with the structural characteristics and the temporal and spatial distribution of an opening that would result from a natural disturbance;
- 2) conduct harvesting consistent with the *qualified professional* design specified in subparagraph 1);
- 3) at the conclusion of harvesting that *cutblock* within a *remote recreation and tourism RMZ*, ensure, to the extent practicable, that the structural characteristics of that *cutblock* resemble an opening that would result from a natural disturbance; and
- 4) ensure that *cutblock* harvesting, *road* construction and *road* deactivation activities are consistent with Paragraph 5.23.2 [Result or Strategy for KHLPO Recreation and Tourism Zones].

5.25 OSLRMP LUO Intensive Recreation Areas

Source of Objective: OSLRMP LUO Objective 3 Intensive Recreation Areas
The objective for areas shown on LUO Map 3 is that primary forest activities, including sanitation and salvage activities, will not have a material adverse impact on the potential for a diverse range of quality recreational experiences that exist immediately before the activity.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.25.1 Definitions

For the purposes of this result or strategy:

“intensive recreation areas” means the areas shown on the *OSLRMP LUO* Map 3 as Intensive Recreation Areas.

“intensive recreation area mitigation strategy” means a plan developed by the *FSP holder* to mitigate a material adverse impact on the potential for a diverse range of quality recreational experiences that is identified by a recreation user group. The strategy specifies:

- a) what actions are to be undertaken;
- b) who is responsible for undertaking the actions;
- c) where the actions will occur; and
- d) when the actions will be completed.

5.25.2 Result or Strategy for *OSLRMP LUO* Intensive Recreation Area

Applicable *FDUs*: #3-Okanagan, #4-TFL 49

In relation to the *OSLRMP LUO* Objective 3, Intensive Recreation Areas, the *FSP holder* will:

1. prior to harvesting a *cutblock* or constructing a *road* within an *intensive recreation area*:
 - a) refer the proposed harvesting or *road* construction to the Ministry responsible for recreation, requesting that recreation user groups with an interest in the area where the *FSP holder* proposes the harvesting and *road* construction be identified;
 - b) where the Ministry responsible for recreation responds in writing within the timeline specified in the referral, and identifies recreation user groups with an interest in the area, refer the proposed harvesting and *road* construction to the identified recreation user groups, requesting that the group identify concerns about the proposed activities in relation to their recreation use;
 - c) where a recreation user group responds in writing within the timeline specified in the referral and identifies a concern, develop an *intensive recreation area mitigation strategy* to address the concern to the extent that it is *practicable* to do so, having regard to:
 - (i) the location of the recreation value in relation to the planned harvesting or *road* construction;
 - (ii) the existing condition of the recreation value;
 - (iii) the frequency of use of the recreation value;
 - (iv) the relative abundance or scarcity of the recreation value;
 - (v) the potential direct impact of the planned *primary forest activities* on the recreational feature;
 - (vi) the impact on the *agreement holder's* timber harvesting rights of conserving or protecting that recreational feature;
 - d) communicate the *intensive recreation area mitigation strategy* to the recreation user group; and
2. conduct harvesting or *road* construction consistent with the *intensive recreation area mitigation strategy*.

5.26 OSLRMP LUO Regionally Significant Trail Corridors

Source of Objective: OSLRMP LUO Objective 4 Regionally Significant Trail Corridors
The objective for regionally significant trail corridors shown on LUO Map 4 is that primary forest activities, including sanitation and salvage activities, will not have a material adverse impact on the potential for a diverse range of quality recreational experiences that exist immediately before the activity.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.26.1 Definitions

For the purposes of this result or strategy:

“regionally significant trail corridor” means a trail indicated on OSLRMP LUO Map 4 as a Regionally Significant Trail Corridor. The FSP holder acknowledges that the mapped trail locations may be inaccurate. The following strategies apply to the on-ground trail location at the time forest activities are being conducted. If there is a discrepancy between the trail location indicated on LUO Map 4 and the actual on-ground trail location, the location on the ground prevails.

“category A trail” means a trail indicated on Map 4 of the OSLRMP LUO as a Regionally Significant Trail Corridor and identified as a category A trail on page REC 4-5 of the OSLRMP, as summarized in Table 5.26.1.

“category B trail” means a trail indicated on Map 4 of the OSLRMP LUO as a Regionally Significant Trail Corridor, and identified as a category B trail on page REC 4-5 of the OSLRMP, as summarized in Table 5.26.1.

Table 5.26.1 Regionally Significant Trail Corridors	
List of Trails (source: OSLRMP List of Trails, page REC 4-5)	Trail Category
Brent Mountain Trails	A
Centennial Trail (located in the Ashnola/Joe Lake area, and only those portions outside of the Snowy protected area)	A
Isintok Trail, from the Brent Mountain protected area to Isintok Lake	A
Kettle Valley Railway	A
Mission Creek (Okanagan Lake to Greystokes)	A
Shingle Creek Trail	A
The trail from Big Meadow Lake to Corporation Lake to the Myra-Bellevue protected area	A
The trail from Lacoma Lake to Jackpine and Banana Lakes, and only those portions outside of the Trepanier protected area	A
The Canyon Rim Trail on the north side of Shorts Creek canyon	A
Big Meadow	B
Highland Trail (west and east side high level trail)	B
Hudson's Bay Company Brigade Trail (where identifiable)	B
Mara Lookout (from Owl Head)	B
McDougall Rim (trailhead to Hidden Lake)	B
Nuttal Lake	B
Okanagan High Rim	B
Powers Creek	B

5.26.2 Result or Strategy for OSLRMP LUO Regionally Significant Trail Corridors

Applicable *FDUs*: #3-Okanagan, #4-TFL 49

In relation to the OSLRMP LUO Objective 4, Regionally Significant Trail Corridors, the *FSP holder* will:

1. not construct a new *road* within 100 metres (slope distance) either side of a *category A trail* unless the *road* is required to cross the trail or no other *practicable* alternative *road* location exists;
2. where a *category A trail* or *category B trail* is located within a *scenic area* with an established VQO, conduct harvesting and *road* construction consistent with Paragraph 5.19.3.1 [Result or Strategy for Visual Quality in Scenic Areas with a VQO];
3. where a *category A trail* or *category B trail* is not located within a *scenic area* with an established VQO, conduct harvesting and *road* construction consistent with Paragraph 5.19.5.2 [Result or Strategy for OSLRMP LUO Tourism Areas Foreground Visual Quality]; and
4. at the conclusion of harvesting the portion of a *cutblock* located within 100 metres (slope distance) either side of a *category A trail*, not cause there to be less than 66% of the pre-harvest basal area retained within that portion of the *cutblock* unless the harvesting is consistent with the recommendations of a *damaged timber assessment*.

5.27 KHLPO Settlement Resource Management Zones

Source of Objective: KHLPO section 2.2
Manage land within community growth boundary to meet the objectives set out in approved community land use plans.
Applicable <i>FDUs</i>: #1-Kamloops

5.27.1 Definitions

For the purpose of this result or strategy:

“**settlement resource management zones**” means the areas spatially identified on KLRMP Figure 7: Settlement Resource Management Zones, and labelled as “Settlement”.

5.27.2 Result or Strategy for KHLPO Settlement Resource Management Zones

Applicable *FDUs*: #1-Kamloops

In relation to the objective set by *government* for Settlement Resource Management Zones, where *government* has developed and approved a community land use plan within an area identified as a *settlement resource management zone*, the *FSP holder* will conduct *cutblock* harvesting and *road* construction within the *settlement resource management zone* consistent with the direction provided in the approved community land use plan, to the extent that it is *practicable* to do so.

5.28 OSLRMP LUO Community/Crown Interface

Source of Objective: OSLRMP LUO Objective 10a, Map 10
The objective for areas shown on LUO Map 10 is to maintain resources and values associated with Community/Crown Interface areas and scenic areas when planning and implementing forest health operations.
Applicable FDUs: #3-Okanagan, #4-TFL 49

5.28.1 Definitions

For the purposes of this result or strategy:

“community/Crown interface area” means an area identified as Community/Crown Interface on the map titled Community/Crown Interface RMZ, on page CCI 4-9 of the OSLRMP.

“local government” means a local government as that term is defined in the Local Government Act, Chapter #323 (RSBC 1996), representing a regional district within a Community/Crown Interface Area.

5.28.2 Result or Strategy for OSLRMP LUO Community/Crown Interface

Applicable FDUs: #3-Okanagan, #4-TFL 49

In relation to the OSLRMP LOU Objective 10a Community/Crown Interface areas and *scenic areas*, where harvesting a *cutblock* or constructing a *road* is proposed within a *community/Crown interface area*, the *FSP holder* will:

1. if that harvesting or *road* construction is located within a *scenic area*, ensure that the harvesting or *road* construction is consistent to the extent *practicable* with the strategy described in Paragraph 5.19.3.1 [Result or Strategy for Visual Quality in Scenic Areas with a VQO];
2. if the *FSP holder* proposes to harvest a *cutblock* or construct a *road* for the purpose of removing *damaged timber*, prior to harvesting the *cutblock* or constructing the *road*:
 - a) ensure that a *damaged timber assessment* is completed;
 - b) refer the proposed harvesting or *road* construction activity to the *local government* within that portion of the *community/Crown interface area*, requesting the identification of concerns it may have related to the activity;
 - c) where the *local government* responds in writing within the timeline specified in the referral and identifies a concern, develop a strategy to mitigate the concern to the extent that it is *practicable* to do so;
 - d) communicate with the *local government*, indicating how the concern has been addressed; and
3. where a strategy to mitigate a concern has been developed, conduct harvesting or *road* construction consistent with the mitigation strategy, and the recommendations of the *damaged timber assessment*.

5.29 KHLPO Range

Source of Objective: KHLPO section 2.1.10
Minimize tree/grass/cattle conflicts through integrated management practices.
Applicable FDUs: #1-Kamloops

5.29.1 Definitions

For the purposes of this result or strategy:

“road deactivation project” means a project conducted by the *FSP holder* which is unrelated to cutblock harvesting or *road* construction, and that has the potential to reduce existing *road* access for cattle management.

“range referral” means communication to a *range agreement* holder or the Ministry responsible for range that:

- a) identifies the location of previously un-referred, proposed *cutblock* harvesting, *road* construction, or *road deactivation projects*;
- b) includes a request that the *range agreement* holder or the Ministry responsible for range identify potential conflicts related to the integration of cattle management and the proposed *cutblock* harvesting, *road* construction, or *road deactivation projects*; and
- c) specifies a timeline to respond to the referral.

“range mitigation strategy” means a plan developed to address potential conflicts between cattle management and primary forest activities that specifies:

- a) what actions are to be undertaken;
- b) who is responsible for undertaking the actions;
- c) where the actions will occur; and
- d) when the actions will be completed.

5.29.2 Result or Strategy for *KHLPO* Range

Applicable *FDUs*: #1-Kamloops

In relation to the objectives set by *government* to minimize tree/grass/cattle conflicts through integrated management practices, the *FSP holder* will:

1. prior to harvesting a *cutblock*, constructing a *road* or conducting a *road deactivation project* within a *range agreement* area:
 - a) if a *range referral* with respect to that *cutblock* harvesting, *road* construction or *road deactivation project* has not been conducted with a potentially affected *range agreement* holder within that *range agreement* area, conduct a *range referral* with that *range agreement* holder;
 - b) where that *range agreement* holder responds within the timeline specified in the *range referral* and identifies potential conflicts related to the integration of cattle management and that *cutblock* harvesting, *road* construction or *road deactivation project*, develop a *range mitigation strategy* which addresses the potential conflicts identified by the *range agreement* holder, to the extent that it is *practicable* to do so;
 - c) communicate the *range mitigation strategy* to the *range agreement* holder;
 - d) if a *range agreement* is not assigned to a crown range area, conduct a *range referral* with respect to that *cutblock* harvesting, *road* construction or *road deactivation project* with the Ministry responsible for range;
 - e) where the Ministry responsible for range responds within the timeline specified in the *range referral* and identifies potential conflicts related to the integration of cattle management and that *cutblock* harvesting, *road* construction or *road deactivation project*, develop a *range mitigation strategy* which addresses the potential conflicts identified by the Ministry responsible for range, to the extent that it is *practicable* to do so; and

2. conduct those activities that are identified within the *range mitigation strategy* as the responsibility of the *FSP holder* consistent with the *range mitigation strategy*.

6 MEASURES

6.1 Invasive Plants

Source of Legal Requirement: <i>FPPR</i> section 17
For the purposes of section 47 [<i>invasive plants</i>] of the <i>Act</i> , a person who prepares a forest stewardship plan must specify measures in the plan to prevent the introduction or spread of species of plants that are invasive plants under the Invasive Plants Regulation, if the introduction or spread is likely to be the result of the person's forest practices.
Source of Objective: <i>FRPA</i> section 47
A person carrying out a forest practice or a range practice must carry out measures that are (a) specified in the applicable operational plan, or (b) authorized by the <i>minister</i> to prevent the introduction or spread of prescribed species of invasive plants.
Applicable <i>FDUs</i>: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

6.1.1 Definition

For the purposes of this measure:

“invasive plant zone” means a zone determined by the *FSP holder*, encompassing an *invasive plant occurrence site*, and the area within a 500 meter radius (horizontal distance) of that site.

“grass seed” means Canada Common #1 or higher standard forage mixture, as defined by the *Canada Seeds Act*, and applied at manufacturer's prescribed rates.

“invasive plant occurrence site” means a location of a species of plant prescribed in section 2 of the *FRPA* Invasive Plant Regulation, that is identified in the *government* maintained Invasive Alien Plant Program (IAPP), not less than 12 months prior to *CP* application.

6.1.2 Invasive Plants Measures

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the requirement established by *government* to specify measures to prevent the introduction or spread of invasive plants, the *FSP holder* will:

1. where the *FSP holders'* activities are within an *invasive plant zone* and those activities result in distinct areas of exposed soil, apply *grass seed* based on the criteria established in Table 6.1.2; and
2. instruct contractors and/or staff to visually inspect and manually remove any vegetation from vehicles, machinery or equipment prior to transporting to or from a *road* or *cutblock*.

Table 6.1.2 Grass Seed Application Criteria		
Activity	Description of Soil Exposure Areas to be Seeded	Maximum time from soil exposure to initial grass seed application
Construction, reconstruction, deactivation of permanent roads	road cut slopes, fill slopes, ditch lines and right-of-way landings.	16 months
Timber Harvesting, Silviculture Treatments (excluding stump removal treatments to prevent the spread of root disease)	distinct areas of exposed soil exceeding 0.1 contiguous hectares, except for areas that the <i>FSP holder</i> is contractually obligated to reforest	16 months

6.2 Natural Range Barriers

Source of Legal Requirement: <i>FPPR</i> section 18
For the purposes of section 48 of the <i>Act</i> [natural range barriers], a person who prepares a forest stewardship plan must specify measures to mitigate the effect of removing or rendering ineffective natural range barriers.
Source of Objective: <i>FRPA</i> section 48
A person carrying out (a) a forest practice, or (b) a range practice that directly or indirectly removes or renders ineffective a natural range barrier must carry out measures that are (c) specified in an operational plan for the area, or (d) authorized by the <i>minister</i> to mitigate the removal or the ineffectiveness of the natural range barrier.
Applicable FDUs: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

6.2.1 Definition

For the purposes of this measure:

“natural range barrier” or **“NRB”** means a naturally occurring feature such as a river, rock face, or dense timber that stops or impedes livestock movement to and from an adjacent area for range management purposes.

“NRB referral” means communication to a *range agreement* holder or the Ministry responsible for range that:

- identifies the location of previously un-referred, proposed *cutblock* harvesting and *road* construction;
- includes a request that the *range agreement* holder or the Ministry responsible for range identify the location of *natural range barriers* that may be rendered ineffective by the proposed harvesting or *road* construction; and
- specifies a timeline to respond to the referral.

“mitigation actions” means activities or range development installations constructed or installed consistent with Ministry standards and subject to Ministry approval, that have the purpose of replacing a

natural range barrier rendered ineffective by harvesting or *road* construction. These actions may include but are not limited to any or all of:

- a) creation of logging debris fences;
- b) adjusting *cutblock* boundaries or *road* locations; or
- c) installation of range developments such as fences, cattle guards or gates.

“NRB mitigation strategy” is a plan developed to mitigate the removal or the rendering ineffective of a *natural range barrier*, that specifies:

- a) what *mitigation actions* are to be undertaken;
- b) who is responsible for undertaking the *mitigation actions*;
- c) where the *mitigation actions* will occur; and
- d) when the *mitigation actions* will be completed.

6.2.2 Natural Range Barrier Measures

Applicable *FDUs*: #1-Kamloops, #2-Merritt, #3-Okanagan, #4-TFL 49, #5-Arrow

In relation to the requirement established by *government* to specify measures to mitigate the effect of removing or rendering ineffective *natural range barriers*, the *FSP holder* will:

1. Prior to harvesting a *cutblock* or constructing a *road* within a *range agreement* area:
 - a) if a *NRB referral* has not been conducted with a potentially affected *range agreement* holder within that *range agreement* area with respect to that *cutblock* harvesting or *road* construction, conduct a *NRB referral* with that *range agreement* holder;
 - b) where that *range agreement* holder responds within the timeline specified in the *NRB referral* and identifies a *natural range barrier* that will be removed or rendered ineffective by that *cutblock* harvesting or *road* construction, develop a *NRB mitigation strategy*, incorporating the information communicated by the *range agreement* holder to the extent that it is *practicable* to do so;
 - c) communicate the *NRB mitigation strategy* to the *range agreement* holder;
 - d) if a *range agreement* is not assigned to a crown range area, conduct a *NRB referral* with the Ministry responsible for range with respect to that *cutblock* harvesting or *road* construction;
 - e) where the Ministry responsible for range responds within the timeline specified in the *NRB referral* and identifies that a *natural range barrier* will be removed or rendered ineffective by that *cutblock* harvesting or *road* construction, develop a *NRB mitigation strategy*, incorporating the information communicated by the Ministry responsible for range to the extent that it is *practicable* to do so; and
2. conduct activities that are identified within the *NRB mitigation strategy* as the responsibility of the *FSP holder* consistent with the *NRB mitigation strategy*.

7 STOCKING STANDARDS

Background Information Regarding – Stocking Standards

Legal Reference: *FPPR* sections 16, 44, and 45; *FRPA* section 29(1).

7.1 Establishment of Free Growing Stands

A *holder* of this *FSP* that harvests a *cutblock* to which this *FSP* applies will establish a free growing stand as required by section 29 of the *Act*, in accordance with the stocking standards set out in this Part and in Appendix A to this *FSP*, as of the commencement of the term of this *FSP*.

The stocking standards as specified in this section and in Appendix A to this *FSP* may also be applied to *cutblocks* harvested under a previous *FSP* or *FDP* for licences specified in Table 3.1. For a *cutblock* harvested under the authority of a *FDP* or previous *FSP*, the amendment from a previous stocking standard to an applicable stocking standard under this *FSP* will take effect with an associated RESULTS submission by the *holder* of this *FSP*.

7.2 Definitions

For the purposes of this Part:

- (a) **“countable tree”** means a coniferous tree that is:
 - (i) in an Even-Aged Stand at least:
 - (A) 50% of the median height of the preferred and acceptable well-spaced trees in the survey plot; if the median height is 2m or greater; or
 - (B) 30% of the median height of the preferred and acceptable well-spaced trees in the survey plot; if the median height is less than 2m; or
 - (ii) in an Multi-Layered Stand, is in Layer 3;
- (b) **“deviation from potential”** or **“DFP”** means a survey method relevant to stands with substantial variation in the size and spatial arrangement of live trees retained after harvest with an even aged management regime. This method is described in section 9.2.3 of the *Silviculture Surveys Procedures Manual*, dated April 1, 2016, or as this document is amended from time to time.
- (c) **“disturbance from other causes”** means disturbance not caused by a *holder*; and caused by human activities including, but not limited to, *road* construction, mineral exploration, or forest management activities done by a party other than a *holder*;
- (d) **“even-aged stand”** means a post-harvest stand of trees consisting of:
 - (i) one or two Layers; or
 - (ii) consisting of three or more Layers with less than 100 total trees per hectare in Layer 1 and Layer 2 combined;
- (e) **“layer”** means any of Layer 1, Layer 2, Layer 3 or Layer 4;

- (f) **“Layer 1”** means mature trees at least 12.5 centimetres in diameter at breast height;
- (g) **“Layer 2”** means pole trees 7.5 to 12.4 centimetres in diameter at breast height;
- (h) **“Layer 3”** means sapling trees greater than 1.3 metres in height and up to 7.4 centimetres in diameter at breast height;
- (i) **“Layer 4”** means regeneration trees less than 1.3 metres in height;
- (j) **“Multi-Layered Stand”** means a post-harvest stand of trees consisting of 2 or more Layers;
- (k) **“root disease”** means naturally occurring disturbance agents in forests that pose a significant threat to host trees and spread below ground at root contacts. These disturbance agents include laminated (or Phellinus) and Armillaria root disease. For the purposes of Paragraph 7.3.4.8, root disease will be considered moderate or heavy when the applicable host species susceptibility rating is indicated as Medium or High for the applicable *BEC* zone, as delineated in Table 1 of *British Columbia's southern interior forests: Armillaria root disease stand establishment decision aid, BC Journal of Ecosystems and Management: Volume 9(2):60-65*; and/or Table 1 of *Southern Interior Forest Region: Laminated root disease Stand Establishment Decision Aid, BC Journal of Ecosystems and Management 12(2): 17-20*.
- (l) **“silvo-pasture”** means a *cutblock* where:
 - (i) an *agreement holder* is working with *MFLNRO* to achieve objectives for both timber and domestic forage production; and
 - (ii) a Site Plan identifies the *cutblock* as silvo-pasture.
- (m) **“SU”** means standard unit as indicated in a Site Plan.
- (n) **“well-spaced”** means a distance between trees that is greater than or equal to the minimum inter-tree distance specified in Paragraph 7.3.3.7 and/or Paragraph 7.3.4.2.

7.3 Stocking Standards *FDU #1-Kamloops, FDU #2-Merritt*

7.3.1 Stocking Requirement

For the purposes of section 16(1) of the *FPPR* and section 29(1) of *FRPA*, section 44(1) of the *FPPR* will apply to each area to which this *FSP* applies where a *holder* of this *FSP* is required to establish a free growing stand.

7.3.2 Survey Standards

Unless indicated otherwise within this *FSP*, generally accepted silviculture survey rules will apply for blocks with stocking obligations under this *FSP*.

7.3.3 General Standards

7.3.3.1 Variations from General Standards

Paragraph 7.3.3 is subject to Paragraph 7.3.4.

7.3.3.2 Species, Free Growing Height, and Minimum Stocking

For Even-Aged Stands, the species, stocking and minimum free growing height for the relevant *BEC* zone, subzone and site series are as found in Appendix A to this *FSP*.

Where the *BEC* zone, subzone and site series for the applicable even-aged stand is not listed in Appendix A to this *FSP*, the preferred and acceptable species, stocking and minimum free growing heights identified in the “Reference Guide for FDP Stocking Standards” dated September 2016 will apply.

7.3.3.3 Notations Regarding Prescribed Species

Where:

- a) white pine is planted, a blister rust resistant provenance will be used; and
- b) western larch is planted, it will not comprise more than 50% of the planted stand and will be considered a preferred species where it is listed as an acceptable species in Appendix A to this *FSP*.

7.3.3.4 Stocking Density for Multi-Layered Stands

For a Multi-Layered Stand, the minimum stocking standard for the relevant *BEC* zone, subzone and site series, as determined from cross-referencing the Target Stocking from an Even-Aged Stand specified in Paragraph 7.3.3.2, will be as found in Appendix A to this *FSP*.

7.3.3.5 Maximum Density

Maximum density is:

- a) 25,000 countable conifer stems per hectare where the lodgepole pine component of the coniferous component of the inventory of the SU is greater than or equal to 80% of the stems; or
- b) 10,000 countable conifer stems per hectare for all other SUs.

7.3.3.6 Regeneration Date

Where applicable under Paragraph 7.3.1, the period for determining the regeneration date is not more than 7 years. In the declaration of the regeneration date, the stocking of temporary access structures will not be considered where ongoing access is required for future silviculture activities.

7.3.3.7 Minimum Inter-Tree Distance

The minimum inter-tree distance is 2.0 metres.

7.3.3.8 Tree Height to Brush Ratio

For a crop tree considered to be free growing it must be at least:

- a) 125% above the brush in the ESSF, IDF, MS, SBPS, dry SBS (mesic or drier), PP and BG BGC zones;
- b) 150% above the brush in the ICH and wet SBS (moister than mesic) BGC zones, or
- c) free of competitive brush species as determined by an acceptable survey procedure.

7.3.3.9 Standard for Area Subject to Intermediate Cutting

For harvesting referred to in sections 16(4) and 44(4) of the *FPPR*, 50% or more of the basal area of the stand immediately before harvesting will be retained at the conclusion of harvesting.

7.3.4 Variances from General Standards

7.3.4.1 Standard Units Consisting of a Mosaic or a Complex of Site Series

Where more than one site series is located within a standard unit:

- a) the Minimum Stocking Standard that applies to the standard unit is that under Paragraph 7.3.3.2 that applies to the dominant site series within that standard unit; and
- b) the preferred and acceptable species that apply to the standard unit are those that under Paragraph 7.3.3.2 apply to any of the site series within that standard unit.

7.3.4.2 Reduced Minimum Inter-Tree Distance Under Special Circumstances

The minimum inter-tree distance specified in Paragraph 7.3.3.7:

- a) is reduced to no less than 0.80 metres on sites that:
 - (i) have high water tables;
 - (ii) cold soils which create hummocky stumps from trees growing on raised microsites;
 - (iii) where snow or slash creep are expected due to snow depth and slope steepness;
 - (iv) other areas where trees are frequently found to be growing in clumps; or
 - (v) are within Riparian Management Areas;
- b) is reduced to no less than 1.6 metres on sites that:
 - (i) have stumps pulled from the soil;
 - (ii) have high cattle use and trees are planted utilizing obstacles;
 - (iii) are difficult to raw plant (heavy debris or rocky soils) and obstacle utilization is needed;
 - (iv) on *cutblocks* or SUs which are replanted; or
 - (v) Layers 3 and 4 within Multi-Layered Stands; and
- c) does not apply for Layer 1 within a Multi-Layered Stand.

7.3.4.3 Stocking in Cattle Areas

Where damage to tree seedlings by cattle is observed on a *cutblock* by the *holder* of this *FSP* that harvested the *cutblock*, and the current or continuing use by cattle will or can reasonably be expected to, adversely affect the density, survival, or performance of conifer seedlings relative to the applicable stocking standard specified under Paragraph 7.3.3.2, that *holder*:

- a) will notify the relevant *range agreement* holder, or holders;
- b) may contact an applicable Ministry representative; and
- c) where reforestation activities have included a site preparation and planting strategy that attempts to mitigate the impacts of cattle damage and establishes initial stocking to a level identified as the Target Stocking applicable under Paragraph 7.3.3.2, then:
 - (i) for the purposes of Paragraph 7.3.3.2, the affected area, or areas will be stratified from the standard unit in which they occur;
 - (ii) the stocking standards under Paragraph 7.3.3.2 that would otherwise apply to of the affected area will be reduced to the extent necessary to reflect the differing growing environment and the level of seedling damage or mortality created by the cattle on the *cutblock*, and
- d) notify the applicable ministry that Paragraph 7.3.4.3 has been applied.

7.3.4.4 Reduced Minimum Free Growing Height Under Special Circumstances

The minimum free growing height applicable under Paragraph 7.3.3.2 is reduced to:

- a) 40 cm for Multi-Layered Stands within the Interior Douglas-fir zone; or
- b) 80% of the height specified in that Paragraph where greater than 20% of the basal area of merchantable timber at the commencement of harvesting of a *cutblock* is retained as of the completion of harvesting to achieve a result or carry out a strategy in this *FSP*.

7.3.4.5 Douglas-fir Within Ungulate Winter Range

For the purpose of Paragraph 7.3.3.2, Douglas-fir is a preferred species within areas mapped as GAR Ungulate Winter Range.

7.3.4.6 Variance from Tree Height to Brush Ratio

For the purpose of Paragraph 7.3.2:

- a) the tree height to brush ratio does not apply within the riparian management area of a stream; and
- b) where mature deciduous trees are retained for biodiversity values, the stems will not be considered competing vegetation, irrespective of their inclusion or exclusion as an acceptable species.

7.3.4.7 Subalpine Fir as a Preferred Species

For the purposes of Paragraph 7.3.3.2, within the ESSF, subalpine fir is a preferred species:

- a) above 1600 metres in elevation; or
- b) where it comprises greater than 50% of the stand volume immediately before harvesting.

7.3.4.8 Deciduous Acceptability

Existing Layer 1 Aspen, cottonwood or birch will be considered an acceptable species within an SU, where:

- a) *root disease* is considered moderate to heavy and the presence of deciduous trees will assist in reducing the spread of the disease due to the presence of the mixed species; or
- b) *cutblocks* are located within the lower elevation IDfdk and IDfxh *BEC* zones, adjacent to grassland dominated sites.

7.3.4.9 Late Free Growing

The late free growing duration will be 20 years from the commencement of harvesting for each *cutblock*, unless an amendment to extend the late free growing duration has been accepted by the District Manager.

7.3.4.10 Declaration of Free Growing

A *cutblock* or SU may be declared free growing when the stand has attained the free growing standards defined for it, and the stand is reasonably expected to continue to meet or exceed those standards. For the purposes of this declaration, temporary access structures will be considered part of the SU and not stratified separately.

7.3.4.11 Post Treatment Density

If spacing activities are necessary a *holder* of this *FSP* will select a post treatment density of 1200 to 4500 countable crop trees per hectare considering:

- a) species composition;
- b) future health concerns;
- c) forest product expectations; and
- d) other forest management factors of the local area.

7.3.4.12 High Rock / Low Soil SUs

For sites that have:

- a) shallow soil over rock (i.e., soil < 20 cm deep on 40% or more of a SU); or
- b) very high coarse fragment content (coarse fragments >75% on 40% or more of a SU),

the acceptable stocking levels will be:

- (i) a target of 1000 stems per hectare;
- (ii) a minimum of 400 stems per hectare of the preferred and acceptable species; and
- (iii) a minimum of 300 stems per hectare of the preferred species,

for the species specified in the stocking standards in Appendix A to this *FSP*.

7.3.4.13 Silviculture Survey Plot Location

Where a silviculture survey plot, or plots, for a SU occurs within a Disturbance From Other Causes, or within a Riparian Management Zone specified in Paragraph 5.6.2, the plot, at the discretion of the surveyor, will:

- a) not be included in the survey results; or
- b) be offset outside of the Disturbance From Other Causes or RMZ, unless the area of the survey plot within the Disturbance From Other Causes or RMZ is similar to the vegetation type of the stratum being surveyed outside of the Disturbance From Other Causes or RMZ; then the plot will be included in the survey results for that SU or *cutblock*.

7.3.4.14 Stocking Standards and Crown Closure

Where standing trees are retained within the net area of a SU that:

- a) results in an area, or areas, with a crown closure greater than 5%; and
- b) if a *holder* reasonably expects the standing trees to adversely affect the density, survival and performance of conifer seedlings the *holder* may:
 - (i) stratify the affected area, or areas, from the SU; and
 - (ii) use the *Deviation From Potential (DFP)* stocking evaluation methodology.

7.4 Stocking Standards *FDU #3-Okanagan, FDU #4-TFL 49, FDU #5-Arrow*

7.4.1 Stocking Standards – Election

For the purposes of s.16(1) of the *FPPR*, section 44(1) of the *FPPR* will apply to each area to which this *FSP* applies where an *agreement holder* is required under s. 29(1) of the *Act* to establish a free growing stand.

7.4.2 Stocking Standards – General

Subject to Paragraph 7.4.4, for the purposes of s.16(3) of the *FPPR*, for each area to which this *FSP* applies where an *agreement holder* is required under s. 29(1) of the *Act* to establish a free growing stand, that *agreement holder* will do so in accordance with the stocking standards set out in Appendix A of this *FSP*. “Regen delay” specified Appendix A is synonymous with regeneration date.

7.4.3 Stocking Standards for Areas of Intermediate Cutting or Harvesting of Special Forest Products

For timber harvesting referred to in section 16(4) and 44(4) of the *FPPR*, a minimum of 20 m² of basal area of ecologically suitable species (as determined by preferred or acceptable species in Appendix A for the site series) will be retained at the conclusion of harvesting.

7.4.4 Variations from General Stocking Standards

Despite Paragraph 7.4.2 an *agreement holder* may apply the following stocking standards in the following situations or circumstances:

- a) the minimum inter-tree distance will be:
 - (i) 1.0 metre on *cutblocks* that are developed as silvo-pastures;
 - (ii) 1.6 metres on sites that:
 - A. are hygric or sub-hydric; or
 - B. are within ESSF subzones dc1, dc2, vc, vv, wc2 and wc4;
 - C. comprise no more than 20% of the survey plots in a block; and
 - D. are clearly recorded on the survey cards
 - (iii) 2.0 metres on all other sites.
- b) where more than one site series is located within a standards unit, and the additional site series are less than one hectare in size, the stocking standard in Appendix A that applies is the Standard applicable to the dominant site series. Additional preferred species may be added to the preferred species of the Standard from Appendix A from the subdominant site series for those specific areas of the mosaic or complex. Additional acceptable species may be added to the acceptable species of the Standard from Appendix A from the subdominant site series for those specific areas of the mosaic or complex.
- c) on transitional sites occurring between two *BEC* units where each *BEC* unit cannot be clearly delineated or mapped, the stocking standard in Appendix A that applies is that applicable to the dominant *BEC* unit. Additional preferred species may be added to the preferred species of the Standard from Appendix A from the sub-dominant *BEC* unit. Additional acceptable species may be added to the acceptable species of the Standard from Appendix A from the sub-dominant *BEC* unit.
- d) the following maximum densities apply:
 - (i) 25,000 countable stems per hectare for Lodgepole Pine leading stands (Lodgepole Pine > 80% of the inventory); or
 - (ii) 10,000 countable stems per hectare for all other stands.
- e) Douglas-fir (Fdi) is a preferred species within all *GAR* Mule Deer Ungulate Winter Ranges.
- f) where patches of mature trees are retained, under the clearcut silviculture system, for WTR or structural diversity purposes and such patches are included in the *NAR*, when plots land in such a

patch, silviculture surveyors will record a Forest Cover Label for the patch but otherwise, for the purposes of determining stocking/free growing, may offset, in a predetermined and consistent manner, any plots that fall wholly or partially within these patches.

- g) where a layer 1 preferred or acceptable species comprises at least 10% of the pre-harvest stand but is excluded from planting due to the elevational restrictions of footnotes 13 or 14, of the applicable stocking standard in Appendix A, that species may be planted to a maximum of 35% if it is a preferred species or to a maximum of 15% if it is an acceptable species.
- h) Despite subparagraph 7.4.4 a), an election to apply Appendix A *FSP* Stocking Standards to specific *cutblocks* harvested under the *FPC* can be made via amendments to either a Silviculture Prescription or a Site Plan.
- i) where a *cutblock* is developed as a silvo-pasture:
 - (i) preferred and acceptable species will be those listed in the applicable stocking standard from Appendix A of this *FSP*;
 - (ii) target stocking will be 400 well-spaced stems per hectare;
 - (iii) minimum preferred and acceptable stocking will be 0 (zero) well-spaced stems per hectare;
 - (iv) regen delay will be up to 4 years from the commencement date;
 - (v) early free growing will be 0 (zero) years from the commencement date;
 - (vi) late free growing will be no more than 4 years from the commencement date; and
 - (vii) minimum free growing height will be at least 15 centimeters.

8 SIGNATURES OF THE PREPARING FORESTER AND THE PERSON REQUIRED TO PREPARE THE PLAN

8.1 Signature of Preparing Forester

<p>Preparing Forester</p> <p><i>"I certify that the work described herein fulfills the standards expected of a member of the Association of British Columbia Forest Professionals and that I did personally supervise the work"</i></p>	<div style="text-align: center;">  </div> <div style="text-align: right; margin-top: 10px;"> <p>Sept 13, 2017</p> </div>
	<p>Jamie Skinner, R.P.F.</p> <p>Forestry Superintendent, SI Woodlands</p> <p>Tolko Industries Ltd.</p>

8.2 Signature of Person Required to Prepare the Plan

<p>Authorized Licencee Signature</p> 	<div style="text-align: center;">  </div>
	<p>Michael Bragg, R.P.F.</p> <p>Woodlands Manager – Forestry, SI Woodlands</p> <p>Tolko Industries Ltd.</p>

APPENDICES

Appendix A – Stocking Standards FDU #1– Kamloops – Even-Aged Stands

BGC Classification		Species (conifer)		Stocking (well spaced/ha)			Free Growing		
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Latest Assessment (yrs.)	Species	Min ht (m)
ESSFdc2	01	PI Sx	Bl, Pa	1200	700	600	20	PI Others	1.6 0.8
	02	-	-	-	-	-	-	-	-
	03	PI Sx	Bl Pa	1000	500	400	20	PI Others	1.2 0.6
	04	PI Sx	Bl Pa	1000	500	400	20	PI Others	1.2 0.6
	05	PI Se	Bl Pa	1000	500	400	20	PI Others	1.2 0.6
	06	PI Se	Bl Pa	1200	700	600	20	PI Others	1.6 0.8
	07	PI Se	Bl	1200	700	600	20	PI Others	1.6 0.8
	08	PI Se Bl		1000	500	400	20	PI Others	1.2 0.6
	09	non-forested	-	-	-	-	-	-	-
ESSFwc2	01	Bl Se	PI	1200	700	600	20	PI Others	1.6 0.8
	02	PI Se	Bl	1000	500	400	20	PI Others	1.2 0.6
	03	Se PI	Bl	1000	500	400	20	PI Others	1.2 0.6
	04	Bl Se	PI	1200	700	600	20	PI Others	1.6 0.8
	05	Bl Se	PI	1200	700	600	20	PI Others	1.6 0.8
	06	Bl Se	PI	1200	700	600	20	PI Others	1.6 0.8
	07	Bl Se	PI	1200	700	600	20	PI Others	1.6 0.8
	08	Bl Se	PI	1000	500	400	20	PI Others	1.2 0.6
	09	PI Se	Bl	400	200	200	20	PI Others	1.2 0.6
	10	non-forested	-	-	-	-	-	-	-

BGC Classification		Species (conifer)		Stocking (well spaced/ha)			Free Growing		
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Latest Assessment (yrs.)	Species	Min ht (m)
ICHmk2 ICHmk2 (cont.)	01	Fd PI Sx	BI Cw Lw	1200	700	600	20	PI Lw Fd Sx Others	2.0 1.4 0.8 1.0
	02	Fd PI	Sx Lw	600	400	400	20	PI Lw Fd Others	1.4 1.0 0.8
	03	Fd PI Sx	Cw Lw	1000	500	400	20	PI, Lw Fd Others	1.4 1.0 0.8
	04	Fd PI Sx	BI Cw Lw	1200	700	600	20	PI Lw Fd Sx Others	2.0 1.4 0.8 1.0
	05	Fd PI Sx	BI Cw Lw	1200	700	600	20	PI Lw Fd Others	2.0 1.4 1.0
	06	PI Sx Fd	BI Cw Lw	1000	500	400	20	PI Lw Fd Others	1.4 1.0 0.8
ICHmw3	01	Fd Sx Pw Cw	PI BI Hw Lw	1200	700	600	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0
	01-YC	Fd Cw Pw Sx	BI Hw PI Lw	1200	700	600	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0
	02	Fd PI Pw	Cw Lw	1000	500	400	20	PI Pw Lw Fd Others	1.4 1.0 0.8
	03	Fd PI Pw	Cw Sx BI Lw	1000	500	400	20	PI Pw Lw Fd Others	1.4 1.4 1.0 0.8
	04	Fd PI Pw	Cw Sx Lw	1200	700	600	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0
	05	Fd Cw Sx Pw	BI PI Lw	1200	700	600	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0
	06	Cw Fd Hw Sx Pw	BI PI Lw	1200	700	600	20	PI Pw	2.0

BGC Classification		Species (conifer)		Stocking (well spaced/ha)			Free Growing		
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Latest Assessment (yrs.)	Species	Min ht (m)
								Lw Fd Others	2.0 1.4 1.0
ICHmw3 (cont.)	07	Cw Sx Fd Pw	BI Hw PI Lw	1200	700	600	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0
	08	Cw Hw PI Sx Pw	BI	1000	500	400	20	PI Others	1.4 0.8
	09	non-forested	-	-	-	-	-	-	-
ICHvk1	01	Cw Sx Hw	BI Fd Pw	1200	700	600	20	Pw Fd Others	2.0 1.4 1.0
	02	Fd Cw Sx	BI Hw Pw	1200	700	600	20	Pw Fd Others	2.0 1.4 1.0
	03	Cw Fd Hw Sx	BI Pw	1200	700	600	20	Pw Fd Others	2.0 1.4 1.0
	04	Cw Fd Hw Sx	BI Pw	1200	700	600	20	Pw Fd Others	2.0 1.4 1.0
	05	Cw Sx	BI Hw Pw	1000	500	400	20	Pw Others	1.4 0.8
	06	Cw Hw Sx	BI Pw	1000	500	400	20	Others	0.8
ICHwk1	01	Cw Fd Hw Sx	BI Pw Lw	1200	700	600	20	Pw Lw Fd Others	2.0 2.0 1.4 1.0
	02	Fd PI Cw	Pw Sx	1000	500	400	20	PI Pw Fd Others	1.4 1.0 0.8
	03	Fd Cw	Hw Pw Sx Lw	1200	700	600	20	Lw Fd Others	2.0 1.4 1.0
	04	Fd Cw Sx	Hw Pw Lw	1200	700	600	20	Pw Lw Fd Others	2.0 2.0 1.4 1.0
	05	Cw Sx	BI Fd Hw Pw Lw	1200	700	600	20	Pw Lw	2.0 2.0

BGC Classification		Species (conifer)		Stocking (well spaced/ha)			Free Growing		
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Latest Assessment (yrs.)	Species	Min ht (m)
								Fd Others	1.4 1.0
ICHwk1 (cont.)	06	Cw Sx	BI Hw Pw	1000	500	400	20	Pw Others	1.4 0.8
	07	Cw Hw Sx	BI1	1000	500	400	20	All	0.8
	08	non-forested	-	-	-	-	-	-	-
IDFdk1	01	Fd PI	Py Sx Lw	1000	500	400	20	PI Lw Fd Sx Py	1.0 1.0 0.8 0.6 0.6
	02	Fd Py		600	400	400	20	Fd Py	0.8 0.6
	03	Fd PI Py		600	400	400	20	PI Fd Py	1.0 0.8 0.6
	04	Fd PI Py	Sx Lw	1000	500	400	20	PI Lw Fd Others	1.0 0.8 0.6
	05	Fd Sx PI	BI Lw	1000	500	400	20	PI Lw Fd Others	1.0 0.8 0.6
	06	PI Sx Fd	BI	1000	500	400	20	PI Fd Others	1.0 0.8 0.6
	07	non-forested	-	-	-	-	-	-	-
IDFdk2	01	Fd PI	Py Sx Lw	1000	500	400	20	PI Lw Fd Sx Py	1.0 0.8 0.6 0.6
	02	Fd Py		600	400	400	20	Fd Py	0.8 0.6
	03	Fd PI Py		1000	500	400	20	PI Fd Py	1.0 0.8 0.6
	04	Fd PI Sx	Py Lw	1200	700	600	20	PI Lw Fd Py Sx	1.4 1.0 0.8

BGC Classification		Species (conifer)		Stocking (well spaced/ha)			Free Growing		
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Latest Assessment (yrs.)	Species	Min ht (m)
IDFdk2 (cont.)	05	Fd Sx PI	Cw Lw	1200	700	600	20	PI Lw Fd Others	1.4 1.0 0.8
	06	PI Sx Fd	BI	1000	500	400	20	PI Fd Others	1.0 0.8 0.6
	07	PI Sx	Cw BI	1000	500	400	20	PI Others	1.0 0.6
	08	non-forested	-	-	-	-	-	-	-
IDFmw2	01	Fd PI	Cw Sx BI Lw	1200	700	600	20	PI Lw Fd Others	1.6 1.0 0.8
	01-YC	Fd PI	BI Sx Cw Lw	1200	700	600	20	PI Lw Fd Others	1.6 1.0 0.8
	01-YS	Fd PI	Sx BI Cw Lw	1200	700	600	20	PI Lw Fd Others	1.6 1.0 0.8
	02	Fd PI	Py Lw	600	400	400	20	PI Lw Fd Py	1.2 0.8 0.6
	03	Fd PI	Py Cw Sx Lw	1000	500	400	20	PI Lw Fd Others	1.6 1.0 0.8
	04	Fd Sx PI	Cw Lw	1200	700	600	20	PI Lw Fd Others	1.6 1.0 0.8
	05	Sx PI	Cw	400	200	200	20	PI Others	1.2 0.6
IDFxh2	01	Fd Py		1000	500	400	20	All	0.6
	02	Py Fd		400	200	200	20	All	0.6
	03	Py Fd		400	200	200	20	All	0.6
	04	Py Fd		600	400	400	20	All	0.6
	05	Fd Py		1000	500	400	20	All	0.6
	06	Fd Py		1200	700	600	20	All	0.6
	07	Fd Sx	Py Cw	1200	700	600	20	All	0.6

BGC Classification		Species (conifer)		Stocking (well spaced/ha)			Free Growing		
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Latest Assessment (yrs.)	Species	Min ht (m)
	08	Sx Fd	PI	1000	500	400	20	PI Others	0.8 0.6
MSdm2	01	PI Sx Fd	BI Lw	1200	700	600	20	PI Lw Others	1.4 0.8
	02	non-forested	-	-	-	-		-	-
	03	Fd PI	BI Sx	1000	500	400	20	PI Others	1.0 0.6
	04	PI Fd Sx	BI Lw	1200	700	600	20	PI Lw Others	1.4 0.8
	05	PI Sx Fd	BI Cw Lw	1200	700	600	20	PI Lw Others	1.4 0.8
	06	PI Sx Fd	BI Lw	1200	700	600	20	PI Lw Others	1.4 0.8
	07	PI Sx	BI	1000	500	400	20	PI Others	1.0 0.6
MSxk	01	PI Fd Sx	BI	1200	700	600	20	PI Others	1.4 0.8
	02	PI Fd	BI	1000	500	400	20	PI Others	1.0 0.6
	03	non-forested	-	-	-	-	-	-	-
	04	non-forested	-	-	-	-	-	-	-
	05	PI Fd	BI Sx	1000	500	400	20	PI Others	1.0 0.6
	06	PI Fd Sx	BI Lw	1200	700	600	20	PI Lw Others	1.4 0.8
	07	PI Fd Sx	BI	1200	700	600	20	PI Others	1.4 0.8
	08	PI Sx Fd	BI	1200	700	600	20	PI Others	1.4 0.8
	09	PI Sx	Fd BI	1000	500	400	20	PI Others	1.0 0.6
SBSmm	01	PI Sx Fd	BI	1200	700	600	20	PI Fd Others	2.0 1.4 1.0
	02	PI Fd	Sx	1000	500	400	20	PI Fd Others	1.4 1.0 0.8
	03	Fd PI	Sx	1000	500	400	20	PI Fd Others	1.4 1.0 0.8
	04	PI Fd	Sx	1000	500	400	20	PI Fd Others	1.4 1.0 0.8
	05	PI Fd Sx	BI	1200	700	600	20	PI	2.0

BGC Classification		Species (conifer)		Stocking (well spaced/ha)			Free Growing		
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Latest Assessment (yrs.)	Species	Min ht (m)
SBSmm (cont.)								Fd Others	1.4 1.0
	06	PI Sx Fd	BI	1200	700	600	20	PI Lw Fd Others	2.0 1.4 1.0
	07	PI Sx Fd	BI Cw	1200	700	600	20	PI Fd Others	2.0 1.4 1.0
	08	PI Sx	BI	1000	500	400	20	PI Others	1.4 0.8
	09	non-forested	-	-	-	-	-	-	-
SBPSmk	01	Fd PI Sx		1200	700	600	20	PI Fd Sx	1.6 1.0 0.8
	02	Fd PI	Sx	1000	500	400	20	PI Fd Sx	1.2 0.8 0.6
	03	Fd PI		1200	700	600	20	PI Fd	1.6 1.0
	04	Fd PI Sx		1200	700	600	20	PI Fd Others	1.6 1.0 0.8
	05	Fd PI Sx		1200	700	600	20	PI Fd Sx	1.6 1.0 0.8
	06	PI Sx		1200	700	600	20	PI Sx	1.6 0.8
	07	Sx	PI BI	1000	500	400	20	PI Others	1.2 0.6
	08	Sx PI	Sb	400	200	200	20	PI Others	1.2 0.6

FDU #1– Kamloops – Multi-Layered Stands

Target Stocking from Even-Aged Stand (well-spaced/ha)	Layer	Stocking (well-spaced/ha)		
		Target	Minimum Preferred and Acceptable	Minimum Preferred
1200	1	600	300	250
	2	800	400	300
	3	1000	500	400
	4	1200	700	600
1000	1	400	200	200
	2	600	300	250
	3	800	400	300
	4	1000	500	400
900	1	400	200	200
	2	500	300	250
	3	700	400	300
	4	900	500	400
800	1	300	150	150
	2	400	200	200
	3	600	300	300
	4	800	400	400
600	1	300	150	150
	2	400	200	200
	3	500	300	300
	4	600	400	400
400	1	200	100	100
	2	300	125	125
	3	300	150	150
	4	400	200	200

FDU #2 – Merritt – Even Aged Stands

BGC Classification		Species (conifer)		Stocking (well-spaced/ha)			Free Growing	
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Species	Min ht (m)
ESSFdc1	01	PI Sx	BI	1200	700	600	PI Others	1.6 0.8
	02	PI	BI Sx	1000	500	400	PI Others	1.2 0.6
	03	PI	BI Sx	1000	500	400	PI Others	1.2 0.6
	04	PI Sx	BI	1200	700	600	PI Others	1.6 0.8
	05	PI Sx	BI	1000	500	400	PI Others	1.2 0.6
	06	PI Sx BI		1000	500	400	PI Others	1.2 0.6
ESSFdc2	01	PI Sx	BI Pa	1200	700	600	PI Others	1.6 0.8
	03	PI Sx	BI Pa	1000	500	400	PI Others	1.2 0.6
	04	PI Sx	BI Pa	1000	500	400	PI Others	1.2 0.6
	05	PI Sx	BI Pa	1000	500	400	PI Others	1.2 0.6
	06	PI Sx	BI Pa	1200	700	600	PI Others	1.6 0.8
	07	PI Sx	BI	1200	700	600	PI Others	1.6 0.8
	08	PI Sx BI		1000	500	400	PI Others	1.2 0.6
ESSFmw	01	Sx PI	Ba BI Pw	1200	700	600	PI Others	2.0 1.0
	02	PI Fd Sx	BI Pa	1000	500	400	PI Others	1.4 0.8
	03	PI Fd Sx	BI Pa	1000	500	400	PI Others	1.4 0.8
	04	PI Sx Fd	Ba BI Pw Pa	1200	700	600	PI Others	2.0 1.0
	05	BI Sx	Ba PI Pw	1200	700	600	PI Others	2.0 1.0
	06	BI Sx	Ba PI Pw	1200	700	600	PI Others	2.0 1.0
	07	Sx Ba BI	PI Cw	1000	500	400	PI Others	1.4 0.8
	08	BI Sx	PI	1000	500	400	PI Others	1.4 0.8
ESSFxc	01	PI Sx	BI	1200	700	600	PI	1.6

BGC Classification		Species (conifer)		Stocking (well-spaced/ha)			Free Growing	
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Species	Min ht (m)
ESSFxc (cont.)							Others	0.8
	02	PI	BI Sx	600	400	400	PI	1.2
							Others	0.6
	05	PI Sx	BI	1000	500	400	PI	1.2
							Others	0.6
	06	PI Sx	BI	1200	700	600	PI	1.6
							Others	0.8
	07	PI Sx	BI	1200	700	600	PI	1.6
							Others	0.8
	08	PI Sx BI		1000	500	400	PI	1.2
							Others	0.6
IDFdk1	01	Fd PI Py	Sx Lw	1000	500	400	PI	1.0
							Lw	1.0
							Fd	0.8
							Sx	0.6
							Py	0.6
	02	Fd Py	PI	600	400	400	PI	1.0
							Fd	0.8
							Py	0.6
	03	Fd PI Py		600	400	400	PI	1.0
							Fd	0.8
							Py	0.6
	04	Fd PI Py	Sx Lw	1000	500	400	PI Lw	1.0
							Fd	0.8
							Others	0.6
	05	Fd Sx PI	BI Lw	1000	500	400	PI Lw	1.0
							Fd	0.8
							Others	0.6
	06	PI Sx Fd	BI	1000	500	400	PI	1.0
							Fd	0.8
							Others	0.6
IDFdk2	01	Fd PI Py	Sx Lw	1000	500	400	PI Lw	1.0
							Fd	0.8
							Sx	0.6
							Py	0.6
	02	Fd Py	PI	600	400	400	PI	1.0
							Fd	0.8
							Py	0.6
	03	Fd PI Py		1000	500	400	PI	1.0
							Fd	0.8
							Py	0.6
	04	Fd PI Sx	Py Lw	1200	700	600	PI Lw	1.4
							Fd	1.0
							Sx Py	0.8

BGC Classification		Species (conifer)		Stocking (well-spaced/ha)			Free Growing	
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Species	Min ht (m)
IDFdk2 (cont.)	05	Fd Sx PI	Cw Lw BI	1200	700	600	PI Lw Fd Others	1.4 1.0 0.8
	06	PI Sx Fd	BI	1000	500	400	PI Fd Others	1.0 0.8 0.6
	07	PI Sx	Cw BI	1000	500	400	PI Others	1.0 0.6
IDFdk3	01	Fd PI	Sx	1200	700	600	PI Fd Sx	1.4 1.0 0.8
	02	Fd PI		1000	500	400	PI Fd	1.0 0.8
	03	Fd PI		600	400	400	PI Fd	1.0 0.8
	04	Fd PI		1200	700	600	PI Fd	1.4 1.0
	05	Fd PI		1200	700	600	PI Fd	1.4 1.0
	06	Fd PI		1200	700	600	PI Fd	1.4 1.0
	07	Fd PI Sx		1000	500	400	PI Fd Sx	1.0 0.8 0.6
	08	Fd PI Sx	BI	1000	500	400	PI Fd Sx BI	1.0 0.8 0.6
	09	Sx PI	BI	1000	500	400	PI Sx BI	1.0 0.6
IDFhx1	01	Fd Py	Lw	1000	500	400	All	0.6
	02	Py Fd		400	200	200	All	0.6
	03	Py Fd		600	400	400	All	0.6
	04	Py Fd		600	400	400	All	0.6
	05	Fd Py		600	400	400	All	0.6
	06	Fd Py	Lw	1000	500	400	All	0.6
	07	Fd Py	Lw Cw	1000	500	400	All	0.6
	08	Fd PI Sx	Cw	1200	700	600	PI Others	1.0 0.8

BGC Classification		Species (conifer)		Stocking (well-spaced/ha)			Free Growing	
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Species	Min ht (m)
IDFxh2	01	Fd Py		1000	500	400	All	0.6
	02	Py Fd		400	200	200	All	0.6
	03	Py Fd		400	200	200	All	0.6
	04	Py Fd		600	400	400	All	0.6
	05	Fd Py		1000	500	400	All	0.6
	06	Fd Py		1200	700	600	All	0.6
	07	Fd Sx	Py Cw	1200	700	600	All	0.6
	08	Sx Fd	PI	1000	500	400	PI Others	0.8 0.6
MSdm2	01	PI Sx Fd	BI Lw	1200	700	600	PI Lw Others	1.4 0.8
	03	Fd PI	BI Sx	1000	500	400	PI Others	1.0 0.6
	04	PI Fd Sx	BI Lw	1200	700	600	PI Lw Others	1.4 0.8
	05	PI Sx Fd	BI Cw Lw	1200	700	600	PI Lw Others	1.4 0.8
	06	PI Sx Fd	BI Lw	1200	700	600	PI Lw Others	1.4 0.8
	07	PI Sx	BI	1000	500	400	PI Others	1.0 0.6
MSxk	01	PI Fd Sx	BI	1200	700	600	PI Others	1.4 0.8
	02	PI Fd	BI	1000	500	400	PI Others	1.0 0.6
	05	PI Fd	BI Sx	1000	500	400	PI Others	1.0 0.6
	06	PI Fd Sx	BI Lw	1200	700	600	PI Lw Others	1.4 0.8
	07	PI Fd Sx	BI	1200	700	600	PI Others	1.4 0.8
	08	PI Fd Sx	BI	1200	700	600	PI Others	1.4 0.8
	09	PI Sx	BI Fd	1000	500	400	PI Others	1.0 0.6
PPxh2	01	Py Fd		400	200	200	All	0.6

BGC Classification		Species (conifer)		Stocking (well-spaced/ha)			Free Growing	
Zone / SZ	Site Series	Preferred (p)	Acceptable (a)	Target	Min pa	Min p	Species	Min ht (m)
PPxh2 (cont.)	02	Py Fd		400	200	200	All	0.6
	03	Py Fd		400	200	200	All	0.6
	04	Py Fd		400	200	200	All	0.6
	06	Fd Py		600	400	400	All	0.6
	07	Pl Sx Fd	Py	1000	500	400	All	0.6
CWHms1	01	Cw Fd Sx Hw Ba	Yc Pw	900	500	400	Pw Fd Cw Hw Yc Sx Ba	2.25 1.50 1.00 0.75
	02	Pl Fd		400	200	200	Fd Pl	1.50 1.25
	03	Cw Fd Sx	Ba	800	400	400	Fd Cw Sx Ba	2.25 1.50 1.00 0.75
	04	Cw Fd Sx Ba	Hw Pw	900	500	400	Fd Pw Cw Hw Sx Ba	3.00 2.50 2.00 1.25 1.00
	05	Cw Hw Yc Sx Ba		900	500	400	Cw Hw Yc Sx Ba	1.50 1.00 0.75
	06	Cw Fd Yc Sx	Ba Bg	900	500	400	Fd Bg Cw Yc Sx Ba	3.00 2.50 2.00 1.25 1.00
	07	Ba Cw Ss	Fd Sx	900	500	400	Ss Fd Cw Sx Ba	4.00 3.00 2.00 1.25 1.00
	08	Cw	Ba	900	500	400	Cw Ba	2.00 1.00
	10	Pl	Cw	400	200	200	Pl Cw	1.25 1.00
	11	Cw Yc	Pw Sx	800	400	400	Pw Sx Cw Yc	2.50 2.00 1.00

FDU #2 – Merritt – Multi-Layered Stands

Target Stocking from Even-Aged Stand (well-spaced/ha)	Layer	Stocking (well-spaced/ha)		
		Target	Minimum Preferred and Acceptable	Minimum Preferred
1200	1	600	300	250
	2	800	400	300
	3	1000	500	400
	4	1200	700	600
1000	1	400	200	200
	2	600	300	250
	3	800	400	300
	4	1000	500	400
800	1	300	150	150
	2	400	200	200
	3	600	300	300
	4	800	400	400
600	1	300	150	150
	2	400	200	200
	3	500	300	300
	4	600	400	400

FDU #3 – Okanagan, FDU #4 – TFL 49, FDU #5 – Arrow – Even Aged Stands

BGC		Regeneration Guide						Free Growing		
Classification		Species		Stocking			Regen	Min. Height		
		Conifer		Target	MIN pa	MIN p	Delay	Species	Ht	
Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)		(m)	
ESSFdc1	01	Pli Sx	Bl	1200	700	600	4	Pli	1.6	
	01 ^{>1750 metres}	Pli Sx Bl ^A	Bl ¹³ Sx	1200	700	600	4	Others	0.8	
								Pli	1.6	
	02	Pli		1000	500	400	7	Others	0.8	
	03	Pli		1000	500	400	7	Pli	1.2	
								Others	0.6	
	04	Pli Sx		1200	700	600	4	Pli	1.6	
	04 ^{>1750 metres}	Pli Sx Bl ^A		1200	700	600	4	Others	0.8	
								Pli	1.6	
	05	Pli Sx Bl ^{10,13 A}		1000	500	400	4	Others	0.8	
06	Pli Sx Bl ^A			1000	500	400	4	Pli	1.2	
							Others	0.6		
06 ^{Grizzly Bear}	Pli Sx Bl ^A	700	400	300	4	Pli	1.2			
07	non-forested	-	-	-	-	-	Others	0.6		
							-	-		
ESSFdc2	01	Pli Sx	Bl	1200	700	600	4	Pli	1.6	
	01 ^{>1750 metres}	Pli Sx Bl ^A	Bl ¹³ Pa ^{9,17} Sx	1200	700	600	4	Others	0.8	
								Pli	1.6	
	03	Pli		1000	500	400	7	Others	0.8	
	04	Pli		1000	500	400	7	Pli	1.2	
								Others	0.6	
	04 ^{>1750 metres}	Pli Bl ^{13,A}		1000	500	400	7	Pli	1.2	
	05	Pli Sx		1000	500	400	7	Others	0.6	
								Pli	1.2	
	05 ^{>1750 metres}	Pli Sx Bl ^{10,A}		1000	500	400	7	Others	0.6	
	06	Pli Sx		1200	700	600	4	Pli	1.6	
								Others	0.8	
	06 ^{>1750 metres}	Pli Sx Bl ^A		1200	700	600	4	Pli	1.6	
	07	Pli Sx		1200	700	600	4	Others	0.8	
								Pli	1.6	
	07 ^{>1750 metres}	Pli Sx Bl ^A		1200	700	600	4	Others	0.8	
	08	Pli Sx		1000	500	400	4	Pli	1.6	
								Others	0.6	
	08 ^{>1750 metres}	Pli Sx Bl ^A		1000	500	400	4	Pli	1.2	
	08 ^{Grizzly Bear}	Pli Sx		700	400	300	4	Others	0.6	
								Pli	1.2	
	08 ^{Grizzly Bear, >1750 m}	Pli Sx Bl ^A		700	400	300	4	Others	0.6	
	09	non-forested		-	-	-	-	-	-	-

BGC		Regeneration Guide						Free Growing	
Classification		Species		Stocking			Regen Delay	Min. Height	
		Conifer		Target	MIN pa	MIN p		Species	Ht
Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)		(m)
ESSFvc	01	BI Sx	Hm	1200	700	600	4	All	0.8
	02	Sx	BI Hm	1000	500	400	7	All	0.6
	03	BI Sx	Hm	1000	500	400	7	All	0.6
	04	BI Sx	Hm	1200	700	600	4	All	0.8
	05	BI Sx	Hm	1000	500	400	4	All	0.6
	06	non-forested	Hm	700	400	300	4	All	0.6
ESSFw	01	BI Sx	Hm ¹⁶	1200	700	600	4	All	0.8
	02	BI Sx	Hm ¹⁶ Pli	600	400	400	7	Pli	1.2
	03	BI Sx	Hm ¹⁶	1000	500	400	7	Others	0.6
	04	BI Sx	Hm ¹⁶	600	400	400	4	All	0.6
	05	non-forested		-	-	-	-	-	-
ESSFwc1	01	BI Sx	Pli Cw ⁹	1200	700	600	4	Pli	1.6
	02	Pli Sx	BI	1000	500	400	7	Others	0.8
	03	BI Sx	Cw ⁹	1200	700	600	4	Pli	1.2
	04	BI Sx	Pli	1200	700	600	4	Others	0.6
	05	non-forested		-	-	-	-	All	0.8
ESSFwc2	01	BI Sx	Pli ¹⁷	1200	700	600	4	Pli	1.6
	02	Pli ¹⁷ Sx ^{10,13}	BI ¹⁰	1000	500	400	7	Others	0.8
	03	Sx Pli ¹⁷	BI ^{10,13}	1000	500	400	7	Pli	1.2
	04	BI Sx	Pli ^{17,B}	1200	700	600	7	Others	0.6
	05	BI Sx	Pli ²³	1200	700	600	7	Pli	1.6
	06	BI Sx	Pli ²³	1200	700	600	4	Others	0.8
	07	BI Sx	Pli ²³	1200	700	600	4	Pli	1.6
	08	BI Sx	Pli ²³	1000	500	400	4	Others	0.8
	09	BI Sx	Pli ²³	700	400	300	4	Pli	1.2
	10	non-forested		-	-	-	-	Others	0.6
ESSFwc4	01	BI Sx	Pli ^B	1200	700	600	4	Pli	1.6
								Others	0.8

BGC		Regeneration Guide						Free Growing	
Classification		Species		Stocking			Regen Delay	Min. Height	
		Conifer		Target	MIN pa	MIN p		Species	Ht
Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)		(m)
	02	Sx Pli	Bl	1000	500	400	7	Pli	1.2
								Others	0.6
	03	Sx Bl	Pli	1000	500	400	7	Pli	1.2
								Others	0.6
	04	Sx Bl	Pli	1200	700	600	7	Pli	1.6
								Others	0.8
	05	Bl Sx		1200	700	600	4	All	0.8
	06	Bl Sx		1200	700	600	4	All	0.8
07 ^{Grizzly Bear}	07	Sx Bl	Pli	1000	500	400	4	Pli	1.2
								Others	0.6
		Sx Bl	Pli	700	400	300	4	Pli	1.2
								Others	0.6
08	non-forested			-	-	-	-	-	-
ESSFxc	01	Pli Sx		1200	700	600	4	Pli	1.6
								Others	0.8
	01 ^{>1850 metres}	Pli Sx Bl ^{10,A}		1200	700	600	4	Pli	1.6
								Others	0.8
	02	Pli	Bl ¹³ Sx	600	400	400	7	Pli	1.2
								Others	0.6
	03	non-forested		-	-	-	-	-	-
	04	non-forested		-	-	-	-	-	-
	05	Pli Bl ^{13,A} Sx		1000	500	400	7	Pli	1.2
								Others	0.6
	06	Pli Sx		1200	700	600	7	Pli	1.6
								Others	0.8
	06 ^{>1850 metres}	Pli Sx Bl ^{13,A}		1200	700	600	7	Pli	1.6
								Others	0.8
07 ^{>1850 metres}	07	Pli Sx	Bl	1200	700	600	4	Pli	1.6
								Others	0.8
		Pli Sx Bl ^A		1200	700	600	4	Pli	1.6
								Others	0.8
	08	Pli Sx Bl ^A		1000	500	400	4	Pli	1.2
								Others	0.6
08 ^{Grizzly Bear}		Pli Sx Bl ^A		700	400	300	4	Pli	1.2
								Others	0.6
09	non-forested			-	-	-	-	-	-
10	non-forested			-	-	-	-	-	-
ICHdw	01a	Fdi Lw Py Pw ^D	Bg Pli Cw Sx ^{10,13}	1200	700	600	7	Pli, Pw	2.0
								Lw	2.0
								Fdi	1.4
								Others	1.0
	01b	Fdi Lw Pli Py ^{9,14} Cw Pw ^D Sx ^{10,13}		1200	700	600	7	Pli, Pw	2.0
								Lw	2.0
								Fdi	1.4
								Others	1.0
	02	Fdi Lw Py	Cw	1000	500	400	7	Pli, Lw	1.4
								Fdi	1.0
03								Others	0.8
		Fdi Lw Sx Cw Pw ^D	Bg Hw Pli	1200	700	600	4	Pli, Pw	2.0

BGC		Regeneration Guide						Free Growing	
Classification		Species		Stocking			Regen Delay	Min. Height	
Zone/SZ	Series	Conifer		Target	MIN pa	MIN p		Species	Ht
		Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)		(m)
	04	Cw Sx Fdi Lw Pw ^D	Bg Pli	1200	700	600	4	Lw Fdi Others Pli, Pw Lw Fdi Others	2.0 1.4 1.0 2.0 2.0 1.4 1.0
ICHmk1	01	Fdi ^{9,14} Lw ^{9,14} Pli Sx ^{10,13}	Bl ^{10,13} Cw ^{10,13,E}	1200	700	600	7	Pli, Lw Fdi Others	2.0 1.4 1.0
	01-YS	Fdi ^{9,14} Lw ^{9,14} Pli Sx ^{10,13}	Bl ^{10,13} Cw ^{10,13,E}	1200	700	600	7	Pli, Lw Fdi Others	2.0 1.4 1.0
	02	Fdi Pli	Bl ^{10,13} Sx ^{10,13}	600	400	400	7	Pli Fdi Others	1.4 1.0 0.8
	03	Fdi Lw Pli Sx ^{10,13}	Bl ^{10,13} Cw ^{10,13}	1000	500	400	7	Pli, Lw Fdi Others	1.4 1.0 0.8
	04	Fdi Lw Pli Sx ^{10,13}	Bl ^{10,13} Cw ^{10,13}	1200	700	600	7	Pli, Lw Fdi Others	2.0 1.4 1.0
	05	Pli Sx Fdi ^{9,14} Lw ^{9,14}	Bl Cw	1200	700	600	4	Pli, Lw Fdi Others	2.0 1.4 0.8
	06	Pli Sx Fdi ^{9,14} Lw ^{9,14}	Bl Cw	1200	700	600	4	Pli, Lw Fdi Others	2.0 1.4 0.8
	07	Pli Sx Lw Fdi	Bl Cw	1000	500	400	4	Pli, Lw Fdi Others	1.4 1.0 0.8
	07 ^{Grizzly Bear}	Pli Sx Lw Fdi	Bl Cw	700	400	300	4	Pli, Lw Fdi Others	1.4 1.0 0.8
	08	non-forested		-	-	-	-	-	-
ICHmk2	01	Fdi ^{9,14} Pli Sx	Bl ^{10,13} Cw	1200	700	600	7	Pli Fdi Sx Others	2.0 1.4 0.8 1.0
	02	Fdi Pli	Sx	600	400	400	7	Pli Fdi Others	1.4 1.0 0.8
	03	Fdi Pli Sx ^{10,13}	Cw ^{10,13}	1000	500	400	7	Pli Fdi Others	1.4 1.0 0.8
	04	Fdi Pli Sx	Bl ^{10,13} Cw ^{10,13}	1200	700	600	7	Pli Fdi Sx Others	2.0 1.4 0.8 1.0
	05	Fdi ^{9,14} Pli Sx	Bl ¹³ Cw	1200	700	600	4	Pli Fdi	2.0 1.4

BGC		Regeneration Guide						Free Growing	
Classification		Species		Stocking			Regen Delay	Min. Height	
Zone/SZ	Series	Conifer		Target	MIN pa	MIN p		Species	Ht
		Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)		(m)
	06	Pli Sx Fdi	Bl Cw	1000	500	400	4	Others	1.0
	06 Grizzly Bear	Pli Sx Fdi	Bl Cw	700	400	300	4	Pli Fdi Others Pli Fdi Others	1.4 1.0 0.8 1.4 1.0 0.8
ICHmw1	01	Fdi Pli Cw Pw ^D Sx		1200	700	600	4	Pli, Pw Fdi Others	2.0 1.4 1.0
	02	Fdi Pw ^D	Pli Sx Cw	1200	700	600	7	Pli, Pw Fdi Others	2.0 1.4 1.0
	03	Fdi Pli Sx ^{10,13} Pw ^D	Cw Bl	1200	700	600	7	Pli, Pw Fdi Others	2.0 1.4 1.0
	04	Fdi Pli Pw ^D	Bl Cw Sx	1200	700	600	7	Pli, Pw Fdi Others	2.0 1.4 1.0
	05	Cw Fdi Hw Sx Pw ^D	Bl Pli	1200	700	600	4	Pli, Pw Fdi Others	2.0 1.4 1.0
	06	Bl Cw Sx Fdi ^{9,14} Hw Pw ^D	Pli	1200	700	600	4	Pli, Pw Fdi Others	2.0 1.4 1.0
	07	Cw Hw Sx Fdi ¹⁴	Bl Pli	1000	500	400	4	Pli Fdi Others	1.4 1.0 0.8
ICHmw2	01	Fdi Lw	Pli ^{51,B} Hw Py Cw ^B Pw ^D Sx ^{10,13,B}	1200	700	600	4	Pli, Lw Pw Fdi Others	2.0 2.0 1.4 1.0
	01-YS	Fdi Lw Cw ^{10,13} Sx ^{10,13}	Hw Pli ^{51,B} Pw ^D Py Bl	1200	700	600	7	Pli, Pw Lw Fdi Others	2.0 2.0 1.4 1.0
	02	Fdi Lw Pli ⁵¹	Cw Pw ^D Sx Py Bl	1200	700	600	7	Pli, Pw Lw Fdi Others	2.0 2.0 1.4 1.0
	03	Fdi Lw Pli ⁵¹ Sx ^{10,13}	Cw Pw ^D Bl Py	1200	700	600	7	Pli, Pw Lw Fdi Others	2.0 2.0 1.4 1.0
	04	Cw Fdi ^{9,14} Hw Lw ^{9,14} Sx	Bl Pli ^{51,B} Pw ^D	1200	700	600	4	Pli, Pw Lw Fdi Others	2.0 2.0 1.4 1.0
	05	Cw Sx Fdi Lw	Bl Pli Pw ^D Hw	1200	700	600	4	Pli, Pw Lw	2.0 2.0

BGC		Regeneration Guide						Free Growing	
Classification		Species		Stocking			Regen Delay	Min. Height	
Zone/SZ	Series	Conifer		Target	MIN pa	MIN p		Species	Ht
		Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)		(m)
	06	Cw Sx	Bl Hw Pl ^{51,B} Pw ^D	1000	500	400	4	Fd	1.4
		Cw Sx	Bl Hw Pl ^{51,B} Pw ^D	700	400	300	4	Others	1.0
	07	Cw Pl ⁱ Sx	Bl Hw	1000	500	400	4	Pli, Pw	1.4
		Cw Pl ⁱ Sx	Bl Hw	700	400	300	4	Others	0.8
	08	non-forested		-	-	-	-	Pli	1.4
								Others	0.8
	09	Cw Sx	Bl Hw Pl ^{51,B} Pw ^D	1000	500	400	4	Pli	1.4
		Cw Sx	Bl Hw Pl ^{51,B} Pw ^D	700	400	300	4	Others	0.8
ICHmw3	01	Fdi Sx ^{10,13} Cw ^{10,13}	Pl ⁵¹ Bl ^{10,13} Pw ^D	1200	700	600	4	Pli, Pw	2.0
	01-YC	Fdi Cw ^{10,13} Sx ^{10,13}	Bl ^{10,13} Hw ^{10,13} Pl ⁵¹ Pw ^D	1200	700	600	4	Fdi	1.4
								Others	1.0
	02	Fdi Pl ⁱ	Cw ^{10,13} Pw ^D	1000	500	400	7	Pli, Pw	1.4
	03	Fdi Pl ⁱ	Cw ^{10,13} Pw ^D Sx ^{10,13} Bl ^{10,13}	1000	500	400	7	Fdi	1.0
								Others	0.8
	04	Fdi Pl ⁵¹	Cw ^{10,13} Pw ^D Sx ^{10,13}	1200	700	600	7	Pli, Pw	2.0
	05	Fdi Cw ^{10,13} Sx ^{10,13}	Bl ^{10,13} Pl ⁵¹ Pw ^D	1200	700	600	7	Fdi	1.4
								Others	1.0
	06	Cw Fdi ¹⁴ Hw Sx	Bl ^{10,13} Pl ⁵¹ Pw ^D	1200	700	600	4	Pli, Pw	2.0
	07	Cw Sx Fdi	Bl Hw Pl ⁵¹ Pw ^D	1200	700	600	4	Fdi	1.4
								Others	1.0
	08	Cw Hw Pl ⁵¹ Sx	Bl Pw ^D	1000	500	400	4	Pli	1.4
	09	Cw Hw Pl ⁵¹ Sx	Bl Pw ^D	700	400	300	4	Others	0.8
								Pli	1.4

BGC		Regeneration Guide						Free Growing	
Classification		Species		Stocking			Regen Delay	Min. Height	
		Conifer		Target	MIN pa	MIN p		Species	Ht
Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)		(m)
	09	non-forested		-	-	-	-	-	-
ICHvk1	01	Cw Sx	Bl ¹³ Fdi ^{9,14} Pw ^D Hw	1200	700	600	4	Pw Fdi Others	2.0 1.4 1.0
	02	Fdi ⁹ Cw Sx	Bl Hw Pw ^D	1200	700	600	4	Pli, Pw Fdi Others	2.0 1.4 1.0
	03	Cw Fdi ^{9,14} Hw Sx	Bl ^{10,13} Pw ^D	1200	700	600	4	Pw Fdi Others	2.0 1.4 1.0
	04	Cw Fdi ^{9,14} Hw Sx	Bl ¹³ Pw ^D	1200	700	600	4	Pw Fdi Others	2.0 1.4 1.0
	05	Cw Sx	Bl Hw Pw ^D	1000	500	400	4	Pw Others	1.4 0.8
	05 ^{Grizzly Bear *}	Cw Sx	Bl Hw Pw ^D	900	600	500	4	Pw Others	1.4 0.8
	06	Cw Hw Sx	Bl Pw ^D	1000	500	400	4	Pli Others	1.4 0.8
	06 ^{Grizzly Bear}	Cw Hw Sx	Bl Pw ^D	700	400	300	4	Pli Others	1.4 0.8
ICHwk1	01	Cw Fdi ^{9,14} Hw Sx	Bl ^{10,13} Pw ^D Lw	1200	700	600	4	Pw Lw Fdi Others	2.0 2.0 1.4 1.0
	02	Fdi Pli ^{5,1} Cw ^{10,13}	Pw ^D Sx ^{10,13}	1000	500	400	7	Pli, Pw Fdi Others	1.4 1.0 0.8
	03	Fdi Cw ^{10,13}	Hw ^{10,13} Pw ^D Sx ^{10,13} Lw	1200	700	600	4	Lw Fdi Others	2.0 1.4 1.0
	04	Fdi ^{9,14} Cw Sx ^{10,13}	Hw Pw ^D Lw	1200	700	600	4	Lw Lw Fdi Others	2.0 2.0 1.4 1.0
	05	Cw Sx	Bl Fdi ¹⁴ Hw Pw ^D	1200	700	600	4	Pw Lw Fdi Others	2.0 2.0 1.4 1.0
	05 ^{Grizzly Bear *}	Cw Sx	Bl Fdi ¹⁴ Hw Pw ^D	900	600	500	4	Pw Lw Fdi Others	2.0 2.0 1.4 1.0
	06	Cw Sx	Bl Hw Pw ^D	1000	500	400	4	Pw Others	1.4 0.8
	06 ^{Grizzly Bear}	Cw Sx	Bl Hw Pw ^D	700	400	300	4	Pw Others	1.4 0.8
	07	Cw Hw Sx	Bl	1000	500	400	4	All	0.8

BGC		Regeneration Guide					Free Growing	
Classification		Species		Stocking			Regen	Min. Height
		Conifer		Target	MIN pa	MIN p	Delay	Species Ht
Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)	(m)
07 Grizzly Bear		Cw Hw Sx	Bl	700	400	300	4	All 0.8
	08	non-forested		-	-	-	-	- -
IDFdk1	01	Fdi Pli	PySx ^{10,13} Lw ^B	1000	500	400	7	Pli, Lw 1.0 Fdi 0.8 Others 0.6
	02	Fdi Py ^{9,14}		600	400	400	7	Fdi 0.8 Py 0.6
	03	Fdi Pli	Py ^{9,14,23}	600	400	400	7	Pli 1.0 Fdi 0.8 Py 0.6
	04	Fdi Pli	Py ^{9,14} Sx ^{10,13}	1000	500	400	7	Pli 1.0 Fdi 0.8 Others 0.6
	05	Fdi ^{9,14} Sx Pli	Lw ^B Bl ^{10,13}	1000	500	400	7	Pli, Lw 1.0 Fdi 0.8 Others 0.6
	06	Pli Sx Fdi	Bl	1000	500	400	4	Pli 1.0 Fdi 0.8 Others 0.6
	07	non-forested		-	-	-	-	- -
IDFdk2	01	Fdi Pli	Lw ^B Py Sx ^{10,13}	1000	500	400	7	Pli, Lw 1.0 Fdi 0.8 Others 0.6
	02	Fdi Py ¹⁴		600	400	400	7	Fdi 0.8 Py 0.6
	03	Fdi Pli	Py ¹⁴	1000	500	400	7	Pli 1.0 Fdi 0.8 Py 0.6
	04	Fdi Pli Sx ^{10,13}	Lw ^B Py ^{9,14}	1200	700	600	7	Pli, Lw 1.4 Fdi 1.0 Others 0.8
	05	Fdi Sx Pli	Lw ^B Cw	1200	700	600	4	Pli, Lw 1.4 Fdi 1.0 Others 0.8
	06	Pli Sx Fdi	Bl	1000	500	400	4	Pli 1.0 Fdi 0.8 Others 0.6
	07	Pli Sx	Cw Bl	1000	500	400	4	Pli 1.0 Others 0.6
	08	non-forested		-	-	-	-	- -
IDFdm1	01	Fdi Lw Pli	Py ^{9,14} Sx ^{10,13}	1000	500	400	7	Pli, Lw 1.0 Fdi 0.8 Others 0.6
	02	non-forested		-	-	-	-	- -
	03	Fdi Py	Pli	600	400	400	7	Pli 1.0 Fdi 0.8 Py 0.6

BGC		Regeneration Guide						Free Growing	
Classification		Species		Stocking			Regen Delay	Min. Height	
		Conifer		Target	MIN pa	MIN p		Species	Ht
Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)	(m)	
	04	Fdi Lw Pli Py ^{9,14}	Sx ^{10,13}	1000	500	400	7	Pli, Lw	1.0
								Fdi	0.8
								Others	0.6
	05	Fdi Lw Pli Sx ^{10,13}	Cw Py ^{9,14}	1200	700	600	7	Pli, Lw	1.4
								Fdi	1.0
								Others	0.8
	06	Fdi Sx Lw	Pli Cw	1200	700	600	4	Pli, Lw	1.4
								Fdi	1.0
								Others	0.8
	07	Pli Sx	Fdi Lw	1000	500	400	4	Pli, Lw	1.0
								Fdi	0.8
								Others	0.6
IDFmw1	01	Fdi Lw Pli	Cw ^{10,13} Sx ^{10,13} Py ^{9,14}	1200	700	600	7	Pli, Lw	1.6
								Fdi	1.0
								Others	0.8
	01-YC	Fdi Lw Pli	Cw ^{10,13} Sx ^{10,13} Py ^{9,14}	1200	700	600	7	Pli, Lw	1.6
								Fdi	1.0
								Others	0.8
	02	Fdi Py	Pli	600	400	400	7	Pli	1.2
								Fdi	0.8
								Py	0.6
	03	Fdi Py ^{9,14} Pli	Lw ^{10,13}	600	400	400	7	Pli, Lw	1.2
								Fdi	0.8
								Py	0.6
	04	Fdi Lw Pli	Cw ^{10,13} Sx ^{10,13} Py ^{9,14,16}	1000	500	400	7	Pli, Lw	1.2
								Fdi	0.8
								Others	0.6
	05	Fdi Lw Sx Pli	Cw ^B	1200	700	600	4	Pli, Lw	1.6
								Fdi	1.0
								Others	0.8
	06	Sx Fdi Lw	Cw ^B	1200	700	600	4	Lw	1.6
								Fdi	1.0
								Others	0.8
IDFmw2	01	Fdi Pli	Cw ^{10,13} Sx ^{10,13} Bl ^{10,13}	1200	700	600	7	Pli	1.6
								Fdi	1.0
								Others	0.8
	01-YC	Fdi Pli	Cw ^{10,13} Sx ^{10,13} Bl ^{10,13}	1200	700	600	7	Pli	1.6
								Fdi	1.0
								Others	0.8
								Others	0.8
	01-YS	Fdi Pli	Cw ^{10,13} Sx ^{10,13} Bl ^{10,13}	1200	600	700	7	Pli	1.6
								Fdi	1.0
								Others	0.8
	02	Fdi Pli	Py ^{9,14,16,23}	600	400	400	7	Pli	1.2
								Fdi	0.8
								Py	0.6
	03	Fdi ¹⁴ Pli	Py Cw Sx	1000	500	400	7	Pli	1.6
								Fdi	1.0
								Others	0.8
	04	Fdi Sx Pli	Cw	1200	700	600	4	Pli	1.6

BGC		Regeneration Guide						Free Growing	
Classification		Species		Stocking			Regen Delay	Min. Height	
Zone/SZ	Series	Conifer		Target	MIN pa	MIN p		Species	Ht
		Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)		(m)
	05	Sx Pli	Cw	400	200	200	4	Fdi Others Others Pli Others	1.0 0.8 0.6 1.2 0.6
IDFxb1	01	Fdi Py	Lw ^{10,13}	1000	500	400	7	All	0.6
	02	Py Fdi		400	200	200	7	All	0.6
	03	Py Fdi		600	400	400	7	All	0.6
	04	Py Fdi		600	400	400	7	All	0.6
	05	Py Fdi		600	400	400	7	All	0.6
	06	Fdi Py	Lw ^{10,13}	1000	500	400	7	All	0.6
	07	Fdi Py	Lw ^{10,13} Cw	1000	500	400	7	All	0.6
	08	Fdi Pli Sx	Cw	1200	700	600	4	Pli Others	1.0 0.8
	09	non-forested		-	-	-	-	-	-
IDFxb2	01	Fdi Py		1000	500	400	7	All	0.6
	02	Py Fdi		400	200	200	7	All	0.6
	03	Py Fdi		400	200	200	7	All	0.6
	04	Py Fdi		600	400	400	7	All	0.6
	05	Fdi Py		1000	500	400	7	All	0.6
	06	Fdi Py		1200	700	600	7	All	0.6
	07	Fdi Sx	Py Cw	1200	700	600	4	All	0.6
	08	Sx Fdi	Pli ²³	1000	500	400	4	PI Others	0.8 0.6
MSdm1	01	Pli Sx Lw ^{9,14}	BI Fdi ^{9,14}	1200	700	600	7	Pli, Lw Others	1.4 0.8
	02	Fdi Pli Lw		600	400	400	7	Pli, Lw Fdi	1.0 0.6
	03	Pli Fdi Lw	Sx ^{10,13}	1000	500	400	7	Pli, Lw Others	1.0 0.6
	04	Fdi ¹⁴ Lw ¹⁴ Pli	Sx ^{10,13}	1200	700	600	7	Pli, Lw Others	1.4 0.8
	05	Pli Sx	BI ^{10,13} Fdi ^{9,14} Lw ^{9,14}	1200	700	600	4	Pli, Lw Others	1.4 0.8
	06	Pli Sx	BI Fdi ^{9,14} Lw ^{9,14}	1200	700	600	4	Pli, Lw Others	1.4 0.8
	07	Pli Sx	BI	1000	500	400	4	Pli Others	1.0 0.6
	07	Pli Sx BI		1200	500	400	4	Pli Others	1.0 0.6
	07 ^{Grizzly Bear}	Pli Sx	BI	700	400	300	4	Pli Others	1.0 0.6
	08	non-forested		-	-	-	-	-	-
MSdm2	01	Pli Sx Fdi ^{9,14}	BI ^{10,13} Lw	1200	700	600	7	Pli, Lw Others	1.4 0.8
	02	non-forested		-	-	-	-	-	-
	03	Fdi ^{9,14} Pli	BI ^{10,13} Sx ^{10,13}	1000	500	400	7	PI	1.0

BGC		Regeneration Guide						Free Growing	
Classification		Species		Stocking			Regen Delay	Min. Height	
Zone/SZ	Series	Conifer		Target	MIN pa	MIN p		Species	Ht
		Preferred (p)	Acceptable (a)	(well-spaced/ha)			(Max yrs)		(m)
	04	Pli Fdi ^{9,14} Sx ^{10,13}	Bl ^{10,13} Lw	1200	700	600	7	Others	0.6
	05	Pli Sx Fdi ^{9,14}	Bl Cw	1200	700	600	4	Pli, Lw	1.4
	06	Pli Sx Fdi ^{9,14}	Bl	1200	700	600	4	Others	0.8
	07	Pli Sx	Bl	1000	500	400	4	Pli	1.4
MSxk	01	Pli Fdi ^{9,14} Sx ^{10,13}	Bl ^{10,13}	1200	700	600	7	Others	0.6
	02	Pli Fdi ^{9,14}	Bl ^{10,13}	1000	500	400	7	Pli, Lw	1.4
	03	non-forested		-	-	-	-	Others	0.8
	04	non-forested		-	-	-	-	Pli	1.0
	05	Pli Fdi ^{9,14}	Bl ^{10,13} Sx ^{10,13}	1000	500	400	7	Others	0.6
	06	Pli Fdi ^{9,14} Sx ^{10,13}	Bl ^{10,13}	1200	700	600	7	Pli	1.4
	07	Pli Fdi ^{9,14} Sx	Bl ^{10,13}	1200	700	600	4	Others	0.8
	08	Pli Fdi ^{9,14} Sx	Bl	1200	700	600	4	Pli	1.4
	09	Pli Sx	Bl	1000	500	400	4	Others	0.6
PPxh1	01	Py Fdi		400	200	200	7	All	0.6
	02	Py Fdi		400	200	200	7	All	0.6
	03	non-forested		-	-	-	-	-	-
	04	Py Fdi		400	200	200	7	All	0.6
	05	Py Fdi		400	200	200	7	All	0.6
	06	Fdi Py		600	400	400	7	All	0.6
	07	Fdi Py		1000	500	400	7	All	0.6
	08	Fdi Sx	Py	1000	500	400	4	All	0.6

FDU #3 – Okanagan, FDU #4 – TFL 49, FDU #5 – Arrow – Uneven-aged Stands

Uneven-aged Stocking Standards (per FPPR Section 6 of Schedule 1)

The Uneven-aged stocking standards shall apply to blocks meeting the criteria as stated in the Stocking and Free Growing Survey Procedures Manual (May 21, 2002)

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

Maximum regeneration date is seven years. Regeneration date can be met immediately following harvest if the residual stand has no significant damage or pest problems and meets minimum stocking standards.

Free growing date is currently no more than 20 years as set out in Sec 44(1)(b) of the Forest Planning and Practices Regulation (FPPR).

**Stand Layer Definition

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

Layer 1, 2, 3, and 4 trees must meet the tree quality and forest health criteria as stated in the *Stocking and Free Growing Survey Procedure Manual*.

*** pa - preferred and acceptable species P - preferred species Min = Minimum

Layer 1 and 2 trees that meet the tree quality and forest health criteria specified above, will be considered as preferred species for survey purposes. Otherwise, preferred and acceptable species and "Target from Even-Aged standards" are as specified in Even-Aged Standards by biogeoclimatic ecosystem classification (BEC) site series.

FDU #3 – Okanagan, FDU #4 – TFL 49, FDU #5 – Arrow – Stocking Standard Footnotes

Conifer Tree Species

"Ba" means amabilis fir;

"Bg" means grand fir;

"Bl" means subalpine fir;

"Cw" means western red cedar;

"Fdi" means Douglas-fir (Interior);

"Hm" means mountain hemlock;

"Hw" means western hemlock;

"Lw" means western larch;

"Pa" means whitebark pine;

"Pli" means lodgepole pine (Interior);

"Pw" means white pine;

"Py" means ponderosa pine;

"Sx" means hybrid spruce or interior spruce and includes Engelmann and White Spruce;

"Biogeoclimatic unit" or "BGC classification" means the zone, subzone, variant and site series described in the most recent field guide published by the Ministry of Forests for the identification and interpretation of ecosystems, as applicable to a harvested area.

"MIN" or "Min" means minimum.

Footnote #	Footnote
9	restricted to southerly aspects (SSE to WSW) for upper elevations
10	restricted to northerly aspects (NW to ENE) for lower elevations
13	restricted to upper elevations of biogeoclimatic unit unless superseded by FSP section 7.4(h)
14	restricted to lower elevations of biogeoclimatic unit unless superseded by FSP section 7.4(h)
15	restricted to northern portion of biogeoclimatic unit in region
16	restricted to southern portion of biogeoclimatic unit in region
17	restricted to western portion of biogeoclimatic unit in region
23	restricted to trial use
51	restricted to areas with proven PI performance

A	BI is preferred up to 50% of the well spaced free growing stems - these trees will be of good form, colour and vigour (as specified in the relevant Free Growing Damage Criteria and Free Growing Acceptability Guidelines for Advance Regeneration (Appendices 5 and 10 of the Establishment to Free Growing Guidebook: Kamloops Forest Region). In addition the leader growth of the BI must be $\geq$ 20 cm.
B	preferred if planted in a mix with other preferred species up to 35%
C	Not used
D	Pw is preferred up to 400 stems/ha if planted with a Blister Rust resistant provenance
E	Cw may be moved to preferred if present >15% volume of mature stand and planted in a mix with other preferred species up to 35%

Grizzly Bear	These stocking standards apply in Grizzly Bear Specified Area #8-232
Grizzly Bear *	These stocking standards apply in Grizzly Bear Specified Area #8-232, only on flatter sites
> 1750 metres	These stocking standards apply when the mean block elevation is $\geq$ to 1750 metres
> 1850 metres	These stocking standards apply when the mean block elevation is $\geq$ to 1850 metres

**Appendix B – Objectives for Interpretive Forest Sites, Recreation Sites or
Recreation Trails continued under *FPPR* section 181.
*FDU #1- Kamloops Recreation Sites and Trails***

Recreation Site or Trail continued Under <i>FRPA</i> section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under <i>FRPA</i> section 181
Allan Creek Recreation Trail	4521	1997/03/24 Recreation Experience Objectives: To provide opportunities for semi-primitive motorized and modified roaded recreation experiences. Recreation Feature Objectives: To protect the alpine/high sub-alpine and small lake features. Recreation Activity Objectives: To provide opportunities for snowmobiling activities during winter season and hiking, scenic viewing and hunting (during the regulated season) during the remainder of the year. Public Recreation Objectives: Winter snowmobile trail head access is via a maintained public highway.
Boundary Lake Recreation Site	1993	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing and boating activities. Public Recreation Objective: To maintain summer, 2 wheel drive, forest road access to the site.
Chappel Recreation Trail	4555	1997/03/24 Recreation Experience Objectives: To provide opportunities for semi-primitive motorized and modified roaded recreation experiences. Recreation feature objective: To protect the small / mid lake and fisheries experience. Recreation activity objective: To provide opportunities for snowmobiling activities during winter season and hiking, scenic viewing and hunting. Public recreation objective: To maintain summer access to trailhead and winter access via maintained public highway.
Clemina Creek Recreation Trail	4703	1997/03/10 Recreation Experience Objectives: To provide opportunities for semi-primitive motorized and modified roaded recreation experiences. Recreation Feature Objectives: To protect the alpine/high sub-alpine, wetland vegetation and small lake features. Recreation Activity Objectives: To provide opportunities for snowmobiling activities during the winter season and hiking, scenic viewing and hunting (during the regulated season) during the remainder of the year. Public Recreation Access Objectives: Winter snowmobile trail head access is via a maintained public highway. Summer access is provided by Forest Service road (suitable for 4 wheel drive vehicles) to various points along the trail system beginning at approximately 3 km from the highway.
Coldscaur Lake North Recreation Site	1512	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the mid-sized lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
Coldscaur Lake South Recreation Site	1520	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the mid-sized lake, rock arch, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing, boating, scenic viewing and nature study/appreciation activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
Dennis Lake Recreation Site	4506	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for sport fishing, boating, canoeing, summer camping and scenic viewing activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
Double Lakes Recreation Site	1908	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the mid-sized lakes, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing and boating activities. Public Recreation Access Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
East Maury Lake Recreation Site	1997	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the mid-sized lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, forest road access to the site.
Ejas Lake Recreation Site	1514	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the mid-sized lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, forest road access to the site.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Fowler Lake Recreation Site	1816	1997/03/10 Recreation experience objectives: To provide opportunities for natural roaded recreation experiences. Recreation feature objectives: To protect the small lake, fish and regenerating stand features. Recreation activity objectives: To provide opportunities for sport fishing, and canoeing and potential for future summer camping activities. Public recreation access objectives: To maintain summer, 2 wheel drive, forest road access to the vicinity of the site while managing the lake as a walk-in access.
Gannet Lake Recreation Site	4503	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, fishing, canoeing and boating activities. Public Recreation Objective: To maintain summer, 2 wheel drive, Forest Service Road and spur road access to the site.
Gordon Bay Recreation Site	4502	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the large lake, fine textured beach, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, beach activities, swimming/bathing, sport fishing, canoeing and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service Road access to the site
Graffunder Lakes North Recreation Site	1509	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing and boating activities. Public Recreation Access Objective: To maintain summer, 2 wheel drive, Forest Service Road and spur road access to the site.
Grizzle Lake East Recreation Site	4570	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish, developed and cabin features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing, and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
Honeymoon Bay Recreation Site	4610	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the large lake, fine textures beach, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, beach activities, swimming/bathing, sport fishing and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service Road and 4 wheel drive spur road access to the site.
Italia Lake Recreation Site	1515	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the mid-sized lake, fish and developed campsite. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
Kitty Anne Lake Recreation Site	1517	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing canoeing, boating and scenic viewing activities. Public Recreation Objective: To maintain summer, 2 wheel drive, forest road access to the site.
Lawrence Lake East Recreation Site	1516	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, boating and canoeing, activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
Lawrence Lake West Recreation Site	4580	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
Lolo Lake Recreation Site	1511	1997/03/24 Recreation Experience Objective: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objective: To protect the small lake, fish and developed campsite features. Recreation Activity Objective: To provide opportunities for summer camping, sport fishing, canoeing, boating and scenic viewing activities. Public Recreation Objective: To maintain summer, 2 wheel drive, forest road access to the site.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
McCorvie Lake North Recreation Site	1519	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake and fish features. Recreation Activity Objectives: To provide opportunities for sport fishing, canoeing and potential for future summer camping activities. Public Recreation Objective: To maintain summer, 2 wheel drive, forest road access to the site.
Messiter Lake Recreation Site	4758	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake and fish features. Recreation Activity Objectives: To provide opportunities for sport fishing and canoeing with potential for future summer camping activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, forest road access to the site.
Moir Lake North Recreation Site	1998	1997/03/24 Recreation experience objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the mid-sized lake, fish and regenerating stand features. Recreation Activity Objectives: To provide opportunities for sport fishing, boating, canoeing and potential for future summer camping activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, forest road access to the site.
Moir Lake South Recreation Site	1513	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the mid-sized lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, canoeing and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, forest road access to the site.
Moose Lake Recreation Site	4582	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing and canoeing activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, forest road access to the site.
Mud Lake Recreation Trail	1793	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the large lake, fish and developed campsite and land trail features. Recreation Activity Objectives: To provide opportunities for summer camping, hiking, sport fishing, canoeing and boating. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service Road and 4 wheel drive spur road access to the site.
Mystery Lake Recreation Site	1740	1997/03/10 Recreation experience objectives: To provide opportunities for modified roaded recreation experiences. Recreation feature objectives: To protect the small lake, fish and developed campsite features. Recreation activity objectives: To provide opportunities for summer camping, sport fishing and canoeing. Public recreation objectives: To maintain summer, 2 wheel drive, Forest Service Road and 2 wheel drive spur road access to the site.
North Thompson Crossing Recreation Site	1901	1997/03/10 Recreation experience objectives: To provide opportunities for modified roaded recreation experiences. Recreation feature objectives: To protect the large river and fish features. Recreation activity objectives: To provide opportunities for sport fishing, and canoeing and potential for future summer camping activities. Public recreation access objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
Raft Mountain Recreation Trail	4527	1997/03/24 Recreation Experience Objectives: To provide opportunities for semi-primitive, natural roaded and modified roaded recreation experiences. Recreation Feature Objectives: To protect the alpine/high sub-alpine and small lake features. Recreation Activity Objectives: To provide opportunities for primarily snowmobiling as well as snow sport activities during winter season and hiking, scenic viewing and hunting (during the regulated season) during the remainder of the year. Public Recreation Objectives: Winter snowmobile trail head access is via a maintained public road. Summer access is provided by maintained Forest Service road (suitable for 2 wheel drive vehicles) to Moilliet Creek in the Raft River and to Caligata Lake at the headwaters of Spahats Creek. Rough Forest Service road (suitable for 4 wheel drive vehicles) provides summer access to the upper elevation areas in the vicinity of Willis Lake.
Reflector Lake North Recreation Site	1524	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake and fish features. Recreation Activity Objectives: To provide opportunities for sport fishing, canoeing and potential for future summer activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the vicinity of the site.
Rocky Point Recreation Site	4705	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the large lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, swimming/bathing, sport fishing, canoeing and boating activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service Road and spur road access to the site.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Rock Island Recreation Site	4601	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objective: To protect the large lake, islets, fine textured beach and fish features. Recreation Activity Objectives: To provide opportunities for swimming/bathing, beach activities, nature study/appreciation, sport fishing, boating, canoeing activities with potential for future summer camping activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, forest road access to the site.
Sicily Lake South Recreation Site	1518	1997/03/24 Recreation Experience Objective: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, boating and canoeing activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road access to the site.
Silence Lake Recreation Site	1510	1997/03/24 Recreation Experience Objectives: To provide opportunities for natural roaded recreation experiences. Recreation Feature Objectives: To protect the mid-sized lake, fish and developed campsite features. Recreation Activity Objective: To provide opportunities for summer camping, sport fishing and boating activities. Public Recreation Access Objective: To maintain summer, 2 wheel drive, Forest Service Road and spur road access to the site.
Silvertip Falls Recreation Site	4600	1997/03/10 Recreation experience objectives: To provide opportunities for modified roaded recreation experiences. Recreation feature objectives: To protect the site specific waterfall, creek, developed trail and campsite features. Recreation activity objectives: To provide opportunities for summer camping, hiking and scenic viewing activities. Public recreation objectives: To maintain summer, 2WD Forest Service Road to the site.
Stukemapten Lake Recreation Site	4781	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, boating and canoeing activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service Road to the site.
Tsikwustum Creek North Recreation Site	4501	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the large lake, fine textured beach, fish, creek and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, beach activities, swimming/bathing, sport fishing, canoeing and boating. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service Road access to the site.
Tsikwustum Creek South Recreation Site	1942	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the large lake, fine textured beach, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, beach activities, swimming/bathing, sport fishing, canoeing and boating. Public Recreation Objectives: To maintain summer, 2 wheel drive, Forest Service road and spur road access to the site.
White Lake Recreation Site	1991	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing and canoeing activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, forest road access to the site.
Windy Lake Recreation Site	1992	1997/03/24 Recreation Experience Objectives: To provide opportunities for modified roaded recreation experiences. Recreation Feature Objectives: To protect the small lake, fish and developed trail and campsite features. Recreation Activity Objectives: To provide opportunities for summer camping, sport fishing, boating and canoeing activities. Public Recreation Objectives: To maintain summer, 2 wheel drive, forest road access to the site.

FDU #2- Merritt Recreation Sites and Trails

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Abbott Lake Recreation Site	1735	00/01/31 The objective is to manage the Abbott Lake recreation site for a roaded recreation experience. The campsite will be maintained and the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Andy's Lake Recreation Site	5538	00-01-31 The objective is to manage the Andy's Lake recreation site for a roaded recreation experience. The campsite will be maintained and the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Access to lake from recreation site is by non-motorized trail. It is also a part of the Thynne Mtn. snowmobile trail system. An emergency shelter is located across from the recreation site.
Another Lake Recreation Site	1842	00-01-31The objective is to manage Another Lake for a semi primitive non-motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by non-motorized trail.
Antler Lake Recreation Site	1729	00-01-31 The objective is to manage the Antler Lake recreation site for a roaded and semi primitive non-motorized recreation experience. The trailhead, trail and the campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, hiking, picnicking, boating and swimming will be available at the site. Camping facilities are available at the trailhead/parking area. Access to the lake is by non-motorized trail.
Billy Lake Recreation Site	1730	00-01-31 The objective is to manage the Billy Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Bluey Lake Recreation Site	1719	00-01-31 The objective is to manage the Bluey Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Bob Lake E. Recreation Site	1884	00-01-31 The objective is to manage Bob Lake E. for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Very rough road access to the lake; also walk in access from Bob Lake West.
Bob Lake W. Recreation Site	1838	00-01-31 The objective is to manage the Bob Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Bobs Lake Recreation Site	1737	00-01-31 The objective is to manage the Bobs Lake recreation site for a roaded experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Boot Lake Recreation Site	1728	00-01-31 The objective is to manage the Boot Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Boss Lake Recreation Site	1714	00-01-31 The objective is to manage the Boss Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. ATV opportunities are available nearby.
Brook Lake Recreation Site	1660	00-01-31 The objective is to manage Brook Lake for a semi primitive non-motorized recreation experience. The trailhead, trail and lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site. Lake is located within a community watershed. Access is by non-motorized trail. Snowmobile activities are available in the winter.
Buck Lake Recreation Site	6234	00-01-31 The objective is to manage the Buck Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Butler Lake Recreation Site	1777	00-01-31 The objective is to manage Butler Lake for a semi primitive non-motorized recreation experience. The trailhead, trail, lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by a non-motorized trail.
Cabin Lake Recreation Site	4627	00-01-31 The objective is to manage the Cabin Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, mountain biking and

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
		swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Calling Lake Recreation Site	6686	00-01-31 The objective is to manage the Calling Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, mountain biking and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Chain Lake W. Recreation Site	1649	00-01-31 The objective is to manage the Chain Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Centre Lake Recreation Site	1756	00-01-31 The objective is to manage Centre Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for hiking, nature observation and picnicking will be available.
Clifford Lake Recreation Site	1636	00-01-31 The objective is to manage the Clifford Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Copper Creek Recreation Site	1629	00-01-31 The objective is to manage the Copper Creek recreation site for a roaded recreation experience. The campsite will be maintained; the river/creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking and swimming will be available at the site. During the winter, the recreation site may serve as a trailhead for the Placer Mountain snowmobile trail.
Davis Lake Recreation Site	1713	00-01-31 The objective is to manage the Davis Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Located within a Ducks Unlimited project area. ATV opportunities are available nearby.
Deadman Lake S. Recreation Site	1648	00-01-31 The objective is to manage Deadman Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Debbie Lake Recreation Site	4528	00-01-31 The objective is to manage Debbie Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by a rough four-wheel drive road.
Dewdney Recreation Site	1633	00-01-31 The objective is to manage the Dewdney recreation site for a roaded recreation experience. The campsite will be maintained; the river shoreline and natural vegetation will be conserved. Opportunities for camping, river canoeing, kayaking, picnicking and swimming will be available at the site. Hiking opportunities are available nearby on a portion of the historic Dewdney Trail.
Dot Lake Recreation Site	1823	00-01-31 The objective is to manage the Dot Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, boating and swimming will be available at the site.
Eastmere / Westmere Lake Recreation Site	1761	00-01-31 The objective is to manage the Eastmere / Westmere Lake recreation site for a semi primitive non-motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site. Access is by non-motorized trail.
Elkhart Lake Recreation Site	1736	00-01-31 The objective is to manage the Elkhart Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Farr Lake Recreation Site	1830	00-01-31 The objective is to manage Farr Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site.
Garrison Lake Recreation Site	4530	00-01-31 The objective is to manage the Garrison Lake recreation site for a semi primitive non-motorized recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for hiking, camping, picnicking and swimming will be available at the site. Access is by non-motorized trail.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Gill Lake Recreation Site	4640	00-01-31 The objective is to manage Gill Lake recreation site for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by non-motorized trail from utility corridor.
Gillis Lake E. Recreation Site	1724	00-01-31 The objective is to manage Gillis Lake E. for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site.
Gillis Lake W. Recreation Site	1876	00-01-31 The objective is to manage the Gillis Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Glimpse Lake N. Recreation Site	1828	00-01-31 The objective is to manage the Glimpse Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Glimpse Lake SW	1723	00-01-31 The objective is to manage the Glimpse Lake SW recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Goose Lake N. Recreation Site	1641	00-01-31 The objective is to manage the Goose Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Goose Lake S. Recreation Site	1791	00-01-31 The objective is to manage the Goose Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Gordon Lake Recreation Site	1731	00-01-31 The objective is to manage the Gordon Lake recreations site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles
Granite Creek Recreation Site	1653	00-01-31 The objective is to manage the Granite Creek recreation site for a roaded recreation experience. The campsite will be maintained; the river/creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, canoeing, kayaking and swimming will be available at the site.
Gus' Pond Recreation Site	6523	00-01-31 The objective is to manage Gus' pond recreation site for a semi primitive non-motorized recreation experience. The lakeshore and adjacent vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available; no motorized use permitted as per the Pennask LRUP.
Gwen Lake Recreation Site	1717	00-01-31 The objective is to manage Gwen Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Gypsum Lake S. Recreation Site	1885	00-01-31 The objective is to manage Gypsum Lake S. for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site.
Gypsum Lake W. Recreation Site	1734	00-01-31 The objective is to manage the Gypsum Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, hiking, picnicking, boating and swimming will be available at the site.
Hamilton Pond Recreation Site	1898	00-01-31 The objective is to manage Hamilton Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by a rough four-wheel drive road.
Harmon Lake East Recreation Site	1715	00-01-31 The objective is to manage the Harmon Lake E. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, boating and swimming will be available at the site.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Harmon Lake West Recreation Site	6198	00-01-31 The objective is to manage the Harmon Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. This site also contains some walk-in sites.
Helmer Lake Recreation Site	1839	00-01-31 The objective is to manage the Helmer Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Walk-in from nearby Helmer Interchange; gate locked Tuesday before May long weekend and open Friday before Thanksgiving weekend.
Hook Lake N. Recreation Site	1833	00-01-31 The objective is to manage the Hook Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site, via the utility corridor.
Island Lake Recreation Site	1727	00-01-31 The objective is to manage the Island Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Jacobson Lake Recreation Site	4674	00-01-31 The objective is to manage the Jacobson Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, boating, equestrian and swimming will be available at the site.
Jackson Lake Recreation Site	6522	00-01-31 The objective is to manage the Jackson Lake recreation for a semi primitive motorized recreation experience. The lakeshore and adjacent vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available; no motorized use permitted as per the Pennask LRUP.
Jameson Lake Recreation Site	5879	00-01-31 The objective is to manage Jameson Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by rough four-wheel drive road.
Jim Kelly Creek Recreation Site	1814	00-01-31 The objective is to manage Jim Kelly Creek for a roaded recreation experience. The river shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking and swimming will be available.
Johnny Lake Recreation Site	1638	00-01-31 The objective is to manage the Johnny's Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
John's Lake Recreation Site	1843	00-01-31 The objective is to manage John's Lake for a semi primitive non-motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by non-motorized trail.
Jono Lake Recreation Site	4642	00-01-31 The objective is to manage Jono Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by rough four-wheel drive road.
Kane Lake Recreation Site	1877	00-01-31 The objective is to manage the Kane Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, equestrian, hiking, picnicking, boating and swimming will be available at the site. In the winter, there are opportunities for cross-country skiing.
Kump Lake Recreation Site	1646	00-01-31 The objective is to manage the Kump Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
LeRoy Lake Recreation Site	6341	00-01-31 The objective is to manage the LeRoy Lake recreation site and trail for a roaded and semi primitive non-motorized recreation experience. The trailhead, trail and campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for hiking, mountain biking, equestrian use, camping, picnicking, boating and swimming will be available at the site. Roaded to trailhead, then walk-in to the site.
Lightning Lake Recreation Site	1835	00-01-31 The objective is to manage the Lightning Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Lily Lake Recreation Site	1718	00-01-31 The objective is to manage the Lily Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Link Lake Recreation Site	1650	00-01-31 The objective is to manage the Link Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Little Box Canyon Recreation Site	4671	00-01-31 The objective is to manage the Little Box Canyon recreation site for a roaded recreation experience. The campsite will be maintained; the river/creek shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, river boating and swimming will be available at the site. Very rough road access to the site.
Little Douglas Lake Recreation Site	1815	00-01-31 The objective is to manage the Little Douglas Lake recreation site for a semi primitive non-motorized recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site. Access is by non-motorized trail.
Little Mellin / Holmes Recreation Site	6520	00-01-31 The objective is to manage Little Mellin/Holmes recreation site for a semi primitive non-motorized recreation experience. The lakeshore and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site. No motorized use permitted, as per the Pennask LRUP.
Little Spahomin Lake Recreation Site	6521	00-01-31 The objective is to manage Little Spahomin Lake Recreation site for a semi primitive non-motorized recreation experience. The trail will be maintained and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site. No motorized use permitted, as per the Pennask LRUP.
Lodestone Lake Recreation Site	1631	00-01-31 The objective is to manage the Lodestone Lake recreation site for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, mountain biking, equestrian, boating and swimming will be available at the site. Access is by a rough four-wheel drive road.
Lodwick Lake N. Recreation Site	1643	00-01-31 The objective is to manage Lodwick Lake N. recreation site for a recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Lodwick Lake S. Recreation Site	1642	00-01-31 The objective is to manage Lodwick Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Loosemore Lake Recreation Site	6142	00-01-31 The objective is to manage the Loosemore Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Lundbom Lake E. Recreation Site	1711	00-01-31 The objective is to manage the Lundbom Lake E. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Lundbom Lake W. Recreation Site	1883	00-01-31 The objective is to manage the Lundbom Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, equestrian and swimming will be available at the site.
Mab Lake Recreation Site	1825	00-01-31 The objective is to manage Mab Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by a rough four-wheel drive road.
Marquart Lake Recreation Site	1757	00-01-31 The objective is to manage the Marquart Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Site on the west end is walk-in from the parking lot.
Mellin Lake Recreation Site	6260	00-01-31 The objective is to manage the Mellin Lake recreation site for a semi primitive non-motorized recreation experience. The trail will be maintained. The lake shoreline and adjacent natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. No motorized use permitted, as per the Pennask LRUP.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Michael Lake Recreation Site	5878	00-01-31 The objective is to manage Michael Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Very rough access to the site will be maintained for four-wheel drive vehicles.
Missezula Lake N. Recreation Site	1722	00-01-31 The objective is to manage the Missezula Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Murphy Lake Recreation Site	1656	00-01-31 The objective is to manage the Murphy Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Access to lake from the recreation site is by a non-motorized trail.
Murray Lake N. Recreation Site	1725	00-01-31 The objective is to manage the Murray Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Murray Lake S. Recreation Site	1738	00-01-31 The objective is to manage the Murray Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Mystery Lake Recreation Site	1808	00-01-31 The objective is to manage Mystery Lake for a semi primitive motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Very rough road access to the site via the utility corridor.
N'Kwala Recreation Site	5507	00-01-31 The objective is to manage the N'Kwala recreation site for a roaded recreation experience. The campsite will be maintained; the river shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, river canoeing, kayaking and swimming will be available at the site.
Old Hedley Road E. Recreation Site	1634	00-01-31 The objective is to manage the Old Hedley Road E. recreation site for a roaded recreation experience. The campsite will be maintained; the river shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, river canoeing, kayaking and swimming will be available at the site.
Old Hedley Road W. Recreation Site	1661	00-01-31 The objective is to manage the Old Hedley Road W. recreation site for a roaded recreation experience. The campsite will be maintained; the river shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, river canoeing, kayaking and swimming will be available at the site.
Osprey Lake N. Recreation Site	1651	00-01-31 The objective is to manage the Osprey Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Osprey Lake S. Recreation Site	1778	00-01-31 The objective is to manage Osprey Lake South for a semi primitive motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by motorized trail.
Peter Hope Lake N. Recreation Site	1726	00-01-31 The objective is to manage the Peterhope Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Peterhope Lake S. Recreation Site	1845	00-01-31 The objective is to manage Peterhope Lake S. for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available.
Pimainus Lake Recreation Site	6053	00-01-31 The objective is to manage the Pimainus Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Placer Lake Recreation Site	1652	00-01-31 The objective is to manage the Placer Lake recreation site for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Plateau Lake Recreation Site	1548	00-01-31 The objective is to manage the Plateau Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
		will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Power Lake Recreation Site	4641	00-01-31 The objective is to manage Power Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by rough four-wheel drive road via the utility corridor.
Prosser Lake Recreation Site	1647	00-01-31 The objective is to manage the Prosser Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough access to the site will be maintained for four-wheel drive vehicles.
Rampart Lake Recreation Site	1655	00-01-31 The objective is to manage the Rampart Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Red Rock Canyon Recreation Site	5880	00-01-31 The objective is to manage the Red Rock Canyon for a roaded recreation experience. The river shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), kayaking, canoeing, picnicking and swimming will be available at the site.
Reservoir Lake Recreation Site	1836	00-01-31 The objective is to manage the Reservoir Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Rey Lake Recreation Site	1840	00-01-31 The objective is to manage Rey Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by a very rough four-wheel drive road via the utility corridor.
Ricky Lake Recreation Site	1637	00-01-31 The objective is to manage the Ricky Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Robertson Lake Recreation Site	1645	00-01-31 The objective is to manage Robertson Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Rogene Lake Recreation Site	1841	00-01-31 The objective is to manage Rogene Lake for a semi primitive non-motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is via Bob's-Elkhart Trail (project 5877); no motorized use permitted.
Roscoe Lake Recreation Site	4741	00-01-31 The objective is to manage the Roscoe Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, hiking and swimming will be available at the site. Rough seasonal four-wheel drive access.
Shea Lake Recreation Site	1712	00-01-31 The objective is to manage the Shea Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Silver Lake Recreation Site	1834	00-01-31 The objective is to manage the Silver Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Stevens Lake Recreation Site	6054	00-01-31 The objective is to manage Stevens Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site.
Stoney Lake Recreation Site	1644	00-01-31 The objective is to manage the Stoney Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Stringer Lake Recreation Site	1654	00-01-31 The objective is to manage the Stringer Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Surrey Lake Recreation Site	4676	00-01-31 The objective is to manage Surrey Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site.
Sussex Lake Recreation Site	4675	00-01-31 The objective is to manage the Sussex Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Sutter Creek Recreation Site	1659	00-01-31 The objective is to manage the Sutter Creek recreation site for a roaded recreation experience. The campsite will be maintained; the creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking and swimming will be available at the site.
Tahla Lake Recreation Site	1822	00-01-31 The objective is to manage the Tahla Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Thalia Lake N. Recreation Site	1640	00-01-31 The objective is to manage the Thalia Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Thalia Lake S. Recreation Site	1639	00-01-31 The objective is to manage the Thalia Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
The Keeper Recreation Site	5881	00-01-31 The objective is to manage The Keeper for a roaded recreation experience. The river shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking and swimming will be available. Access is by a rough four-wheel drive road.
Third Lake Recreation Site	6052	00-01-31 The objective is to manage the Third Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Tulameen Falls Recreation Site	5547	00-01-31 The objective is to manage Tulameen Falls for a semi primitive non-motorized recreation experience. The creek shoreline and natural vegetation will be conserved. Access is by non-motorized trail.
Tupper Lake Recreation Site	5933	00-01-31 The objective is to manage the Tupper Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Two Island Lake Recreation Site	6519	00-01-31 The objective is to manage Two Island Lake recreation site for a semi primitive non-motorized recreation experience. The trail will be maintained. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by non-motorized trail as per the Pennask LRUP.
Tyner Lake Recreation Site	1733	00-01-31 The objective is to manage the Tyner Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Upper Boulder Lake Recreation Site	1844	00-01-31 The objective is to manage Upper Boulder Lake for a semi primitive non-motorized recreation experience. The trail, lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access to the lake is by a non-motorized trail.
Vinson Lake Recreation Site	1773	00-01-31 The objective is to manage Vinson Lake for a semi primitive non-motorized recreation experience. The trail, lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access to the lake is by a non-motorized trail.
Vuich Falls Recreation Site	5544	00-01-31 The objective is to manage the Vuich Falls recreation site for a roaded recreation experience. The campsite will be maintained; the river/creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking and swimming will be available at the site.
Wasley Lake Recreation Site	6261	00-01-31 The objective is to manage Wasley Lake recreation site for a semi primitive non-motorized recreation experience. The trail will be maintained. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available. Access is by non-motorized trail as per the Pennask LRUP.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Wells Lake Recreation Site	1630	00-01-31 The objective is to manage the Wells Lake recreation site for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Zum Peak Recreation Site	5545	00-01-31 The objective is to manage the Zum Peak recreation site for a roaded recreation experience. The campsite will be maintained; the creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking and swimming will be available at the site.
Godey Creek Interpretive Trail	5542	00-01-31 The objective is to manage Godey Creek interpretative trail for a semi primitive non-motorized recreation experience. The trail will be maintained. The natural vegetation will be conserved. Opportunities for nature study, hiking, viewing and picnicking will be available. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Harmon Lake Interpretive Trail	4740	00-01-31 The objective is to manage the Harmon Lake interpretative trail for a semi primitive non-motorized recreation experience. The trail will be maintained; and natural vegetation will be conserved. Opportunities for nature study, hiking, viewing and picnicking will be available. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Bob's - Elkhart Lake Trail	5877	00-01-31 The objective is to manage the Bob's - Elkhart Lake recreation trail for a semi primitive non-motorized recreation experience. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of centre line of the trail. The trail will be maintained and adjacent vegetation conserved. Opportunities may include, but are not limited to, hiking, mountain biking and equestrian use. Facilities are only available at Bob's Lake recreation site trailhead.
China Ridge Recreation Trail	4560	00-01-31 In winter, when snow is on the ground, the objective is to manage the China Ridge recreation trail for a semi primitive non-motorized recreation experience, opportunities for cross country skiing are available, no motorized use permitted, other than for track-setting, trail grooming activities and at designated crossings. In the summer, during the snow-free season, the objective is to manage the trail for a roaded resource recreation experience. The trail will be maintained and adjacent vegetation conserved. The trail width of the recreation trail right-of-way shall be 2.5 meters on either side of centre line of the trail. Facilities include open shelters throughout the system and an emergency shelter issued under SUP 19107L.
Garrison Lake Recreation Trail	4677	00-01-31 The objective is to manage the Garrison Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted. The total trail width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Gill Lake Trail Recreation Site	4640	The objective is to manage Gill Lake Trail for a semi primitive non-motorized recreation experience. The trail and natural vegetation will be conserved. Opportunities for hiking, mountain biking, and equestrian uses are available; no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Gus' Pond Recreation Trail	6523	00-01-31 The objective is to manage the Gus' Pond recreation trail for as semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters either side of the centre line of the trail.
Gypsum Mountain Recreation Trail	5541	00-01-31 The objective is to manage the Gypsum Mtn. recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Jackson Lake Recreation Trail	6522	00-01-31 The objective is to manage the Jackson Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Kane Valley Recreation Trail	4559	00-01-31 In winter, when snow is on the ground, the objective is to manage the Kane Valley recreation trail for a semi primitive non-motorized recreation experience. Opportunities for cross-country skiing are available; no motorized use permitted, other than for track-setting and trail grooming activities. In the summer, during the snow free season, the objective is to manage the trail for a roaded resource recreation experience; opportunities for hiking, equestrian, mountain biking and trail bike/ATV riding are available. The trail will be maintained and adjacent vegetation conserved. The total width of the

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
		recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Knight Lake Recreation Trail	5871	00-01-31 The objective is to manage the Knight Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Little Douglas Lake Recreation Trail	1846	00-01-31 The objective is to manage the Little Douglas Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of centre line of the trail.
Little Mellin / Holmes Recreation Trail	6520	00/01/31 The objective is to manage Little Mellin / Holmes Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and natural vegetation will be conserved. Opportunities for hiking, mountain biking and equestrian uses are available. No motorized use permitted, as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Little Spahomin Lake Recreation Trail	6521	00-01-31 The objective is to manage Little Spahomin Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and natural vegetation will be conserved. Opportunities for hiking, mountain biking and equestrian uses are available. No motorized use permitted, as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Lundbom / Tent Mtn. Bike Trail	6675	00-01-31 The objective is to manage Lundbom / Tent Mountain trail for a semi primitive non-motorized recreation experience. The trail and natural vegetation will be conserved. Opportunities for hiking, mountain biking, and equestrian uses are available. No motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of centre line of the trail.
Mellin Lake Recreation Trail	6260	00-01-31 The objective is to manage the Mellin Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Norgaard Lake Recreation Trail	6525	00-01-31 The objective is to manage the Norgaard Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Rainbow Lake Recreation Trail	6524	00-01-31 The objective is to manage the Rainbow Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted as per the Pennask LRUP. The total width of the recreation right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Roscoe Lake Recreation Trail	4741	00-01-3 The objective is to manage the Roscoe Lake recreation trail for a semi-primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Two Island Recreation Trail	6519	00-01-31 The objective is to manage the Two Island Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Walker Lake Recreation Trail	6696	00-01-31 The objective is to manage the Walker Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Wasley Lake Recreation Trail	6261	00-01-31 The objective is to manage the Wasley Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available; no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.

FDU #3 and #4 - Okanagan Recreation Sites and Trails

FPC Sensitive Area	File Number	Sensitive Area Objectives
Rose Swanson Sensitive Area	12500-20 Rose Swanson Established pursuant to FPC section 5, effective April 30, 1997.	The following objectives are established for the Rose Swanson Sensitive Area: <ul style="list-style-type: none"> • Maintain and enhance trail network for use by recreationists. • Protect visual quality of the area. • Maintain recreation values by limiting timber harvesting to low impact silviculture systems. • Protect area against vandalism and timber theft.
Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Site or Trail Objectives continued under FRPA section 181
Harper Lake Recreation Site	1561	The objectives are to manage Harper Lake recreation site for a roaded recreation experience. The Crown land portion of the shoreline and coniferous vegetation features will be retained. Opportunities for camping, picnicking, fishing, and boating will be provided at the site. Gravel road access to the site will be maintained for two wheel drive vehicles from late April to mid-October.
Skimikin Lake Recreation Site	1562	The objectives are to manage the Skimikin Lake Recreation Site for a roaded recreation experience. The Crown Land portion of the shoreline and coniferous vegetation features will be retained. Opportunities for camping, picnicking, boating fishing, hiking, and cross country skiing will be maintained. Paved road access will be maintained on a year round basis.
Wallenstein Lake Recreation Site	1563	The objectives are to manage the Wallenstein Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, and boating will be maintained. Gravel road access will be maintained for a two wheel drive vehicle from early June to mid-October.
Wap Lake Recreation Site	1564	The objectives are to manage Wap Lake West recreation site for a roaded recreation experience. The lake shoreline and the coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, scenic viewing, nature study and boating will be maintained. Access by gravel road and road maintenance will allow access from mid-April to mid-October via two wheel drive.
Queest Mountain Recreation Site	1554	The objectives are to manage the Queest Mountain recreation site for a roaded recreation experience. The alpine setting will be maintained in a natural state. Opportunities for camping, picnicking, viewing and hiking will be provided. Gravel road access will be maintained for four wheel drive vehicles from early July to mid-October.
Frog Falls Recreation Site	1566	The objectives are to manage the Frog Falls recreation site for a roaded recreation experience. The old growth cedar hemlock forest will be retained. Opportunities for camping, picnicking, viewing, hiking and nature study will be provided. Gravel road access will be maintained for two wheel drive vehicles from mid-April to mid-October.
Cooke Creek Recreation Site	1743	The objectives are to manage the Cooke Creek recreation site for a roaded recreation experience. The coniferous forested river banks will be retained. Opportunities for swimming, camping, picnicking, fishing, boating, canoeing, forest interpretation and hiking will be provided at the site. Paved road access to the site will be maintained year round.
Kidney Lake Recreation Site	1744	The objectives are to manage the Kidney Lake recreation site for a roaded recreation experience. The lake shoreline and the coniferous vegetation features will be retained. Opportunities for camping, picnicking, fishing, boating and viewing will be provided at the site. Gravel road access for two wheel drive vehicles will be maintained from late April to mid-November.
Dale Lake Recreation Site	1745	The objectives are to manage the Dale Lake recreation site for a roaded recreation experience. The lake shoreline of swamp complexes and coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, and canoeing will be provided at the site. Gravel road access to the site will be maintained for two wheel drive vehicles from late April to mid-November.
Elbow Lake Recreation Site	1746	The objectives are to manage the Elbow Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, and viewing will be provided at the site. Gravel road access to the site will be maintained for four wheel drive vehicles from late April to mid-November.
Grassy Lake Recreation Site	1747	The objectives are to manage the Grassy Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, boating and viewing will be provided at the site. Gravel road access will be maintained for four wheel drive vehicles from early June to early November.

Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Site or Trail Objectives continued under FRPA section 181
Holiday Lake Recreation Site	1748	The objectives are to manage the Holiday Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, and viewing will be provided for at the site. Gravel road access will be maintained for four wheel drive vehicles from early June to early November.
Noreen Lake Recreation Site	1749	The objectives are to manage the Noreen Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, and boating will be provided at the site. Gravel road access will be maintained for four wheel drive vehicles from early June to early November.
Noisy Creek Recreation Site	1750	The objectives are to manage the Noisy Creek recreation site for a roaded recreation experience. The lake shore and coniferous vegetation will be retained. Opportunities for camping, picnicking, hiking, viewing, boating, fishing and water sports will be provided for at the site. Gravel road access will be maintained for two wheel drive vehicles from late April to mid-November.
Spruce Lake Recreation Site	1751	The objectives are to manage the Spruce Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous forest vegetation will be retained. Opportunities for camping, picnicking, fishing, and canoeing will be provided at the site. Gravel road access will be maintained for four wheel drive vehicles from mid- June to late October.
Stoney Lake Recreation Site	1752	The objectives are to manage the Stoney Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, and canoeing will be provided at the site. Gravel road access will be maintained for four wheel drive vehicles from mid- June to late October.
Reeves Lake Recreation Site	1753	The objectives are to manage the Reeves Lake recreation site for a semi primitive non-motorized recreation experience. The lake shoreline and coniferous vegetation will be retained. Opportunities for hiking, camping, fishing, and viewing will be provided for at the site. A walk in trail of 2.5 kilometres will be maintained from early May to mid-October.
Cummins Lake Recreation Site	1764	The objectives are to manage the Cummins Lake recreation site for a roaded recreation experience. The lake shoreline and semi-alpine coniferous vegetation will be retained. Opportunities for camping, picnicking, canoeing and viewing will be provided for at the site. Gravel road access will be maintained for four wheel drive vehicles from mid- June to late October.
Cariboo Lake Recreation Site	1776	The objectives are to manage the Cariboo Lake recreation site for a semi primitive non-motorized recreation experience. Opportunities for hiking, camping, viewing, fishing, and canoeing will be provided for at the site. Gravel road access will be maintained for four wheel drive vehicles to the site boundary and a walk in trail of one kilometre to the lake will allow access from late June to early October. The coniferous forest and semi-alpine areas will be retained in their natural state.
Bryden Lake Recreation Site	1781	The objectives are to manage the Bryden Lake recreation site for a semi primitive non-motorized recreation experience. Opportunities for hiking, camping, fishing, canoeing and viewing will be provided for at the site. Gravel road access to the Pement-Bryden trail head will be maintained for four wheel drive vehicles from mid-May to late October. The hiking trail will be maintained for the same time period.
Nellie Lake Recreation Site	1792	The objectives are to manage the Nellie Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, boating and viewing will be provided for at the site. Gravel road access will be maintained for two wheel drive vehicles on a year round basis.
Humamilt Islands Recreation Site	1818	The objectives are to manage the Humamilt Islands recreation site for a semi primitive non-motorized recreation experience. The islands of this site will be retained in a natural state. Opportunities for camping, picnicking, fishing, boating and viewing will be provided for at the site. Access will be by boat only and the lake will be ice free from late April to early November.
Humamilt Lake South Recreation Site	1819	The objectives are to manage the Humamilt Lake South recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation will be retained. Opportunities for camping, picnicking, fishing, viewing, and boating will be provided for at the site. Gravel road access will be maintained for two wheel drive vehicles from mid-April to late November.
Seymour River Falls Recreation Site	1878	The objectives are to manage the Seymour Falls recreation site for a roaded recreation experience. The river banks and coniferous vegetation will be retained. Opportunities for camping, picnicking, viewing, hiking and fishing will be provided for at the site. Gravel road access will be maintained for two wheel drive vehicles from mid- April to late November.
Humamilt Lake East Recreation Site	1888	The objectives are to manage the Humamilt Lake East recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation features will be retained. Opportunities for camping, picnicking, boating, fishing, and hiking will be provided for at the site. Gravel road access will be maintained for two wheel drive vehicles from mid-April to late November.

Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Site or Trail Objectives continued under FRPA section 181
Humamilt Lake West Recreation Site	1889	The objectives are to manage the Humamilt Lake West recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation features will be retained. Opportunities for camping, picnicking, boating, fishing, and viewing will be provided for at the site. Gravel road access will be maintained for two wheel drive vehicles from mid-April to late November.
Pement-Bryden Lake Trail	1890	The objectives are to manage the Pement-Bryden recreation trail for a semi primitive non-motorized experience. The coniferous vegetation will be retained. Opportunities for hiking and viewing will be provided at the trail. Access to the trail will be maintained for four wheel drive vehicles. Trail use will be for foot travel only – no motorized use allowed.
Pement Lake Recreation Site	1891	The objectives are to manage the Pement Lake recreation site for a semi primitive non-motorized recreation experience. Opportunities for hiking, camping, fishing, canoeing and viewing will be provided at the site. Gravel road access to the Pement-Bryden trail head will be maintained for four wheel drive vehicles from mid-May to late October. The hiking trail will be maintained for the same time period.
Herman Lake Recreation Site	1897	The objectives are to manage the Herman Lake recreation site for a roaded recreation experience. The lake shoreline of swamp complexes and the coniferous forests will be retained in a natural state. Opportunities for camping, picnicking, viewing, and canoeing will be provided at the site. Gravel road access for two wheel drive vehicles will be maintained from mid-April to mid-November.
Wap Lake East Recreation Site	1905	The objectives are to manage Wap Lake East recreation site for a roaded recreation experience. The lake shoreline of swamp complexes and the coniferous forest feature will be retained. Opportunities for camping, picnicking, fishing, scenic viewing, nature study and boating will be maintained. Access by gravel road and road maintenance will allow access from mid-April to mid-October via two wheel drive.
Larch Hills Trails	1916	The objectives are to manage Larch Hills recreation trails for both summer and winter recreation opportunities. In winter the trails will be managed for a semi-primitive non-motorized complex of cross country ski trails. In summer the trail system will provide opportunities for hiking, trail hiking, horseback riding, motor cycle riding and forest interpretation. Gravel road access for two wheel drive vehicles will be maintained on a year round basis
Gorge Creek Trail	1923	The objectives are to manage the Gorge Creek recreation trail for a roaded recreation experience. Opportunities for hiking, viewing and picnicking will be provided on this trail system. Paved road access will be maintained on a year round basis.
Kernaghan Lake North Recreation Site	1925	The objectives are to manage the Kernaghan Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous forest features will be retained. Opportunities for camping, hiking, picnicking, fishing and viewing will be provided at the site. Gravel road access will be maintained for four wheel drive vehicles from early June to mid-November.
Kernaghan Lake South Recreation Site	1926	The objectives are to manage the Kernaghan Lake South recreation site for a roaded recreation experience. The lake shoreline and coniferous forest features will be retained. Opportunities for camping, fishing, picnicking, and viewing will be provided at the site. Gravel road access will be maintained for four wheel drive vehicles from early June to mid-November.
Kwikoit Creek Recreation Site	1927	The objectives are to manage the Kwikoit Creek recreation site for a roaded recreation experience. The coniferous forest features will be retained on site. Opportunities for camping, picnicking, fishing, viewing and hiking will be provided for at the site. Gravel road access will be maintained for two wheel drive vehicles from mid-April to late November.
Rosemond Lake Recreation Site	1928	The objectives are to manage the Rosemond Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous forest features will be retained. Opportunities for camping, picnicking, viewing, fishing, hiking and boating will be provided at the site. A gravel road will be maintained for four wheel drive vehicles from mid-April to early November.
Cottonbelt Trail	1930	The objectives are to manage the Cottonbelt recreation trail for a semi primitive recreation experience. Opportunities for hiking, exploring, viewing and non-site location camping is available along the trail. Gravel road access will be maintained to the trail head for two wheel drive vehicles from mid-May to late October. No motorized use will be permitted on the trail.
Seymour Lookout Trail	1931	The objectives are to manage the Seymour Lookout recreation trail for a semi primitive recreation experience. The coniferous forests and alpine features along the trail will be retained. Opportunities for hiking, viewing, and exploring will be available along the trail system. Gravel road access will be maintained for two wheel drive vehicles from mid-May to late October.
Mara Lookout Trail	1932	The objectives are to manage the Mara Lookout trail for a semi primitive experience. The coniferous and alpine forest features along the trail will be retained. Opportunities for hiking, camping, viewing, and exploring will be provided along the trail system. Gravel road

Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Site or Trail Objectives continued under FRPA section 181
		access to the trail head will be maintained for four wheel drive vehicles from mid-June to early October. No motorized use will be allowed.
Eagle Pass Ridge Trails	1934	The objectives are to manage the Eagle Pass Ridge trail for a semi primitive recreation experience. The coniferous forest and alpine forest features will be retained. Opportunities for hiking, viewing, exploring and camping will be available along this trail system. A very rough gravel road access will be maintained for four wheel drive vehicles from mid-June to mid-October. No motorized use will be permitted on the trail.
Mount Ida Trail	1935	The objectives are to manage the Mount Ida trail for a roaded recreation experience. The coniferous forest along the trail system will be retained. Opportunities for hiking, viewing, exploring will be provided for along the trail system. Access to the trail head will be maintained for four wheel drive vehicles from early May to mid-October. No motorized use will be permitted on the trail system.
Pukeashun Trail	1938	The objectives are to manage the Pukeashun recreation trail for a semi primitive recreation experience. The coniferous forest features along the trail is maintained. Opportunities for hiking, viewing, and exploring will be provided in the summer months while snowmobiling will be a winter opportunity. Access to the trail head will be maintained for four wheel drive vehicles in the summer months and no access by vehicles will be maintained in the winter months.
Humamilt North Recreation Site	1949	The objectives are to manage the Humamilt Lake North recreation site for a roaded recreation experience. The lake shoreline and coniferous vegetation features will be retained. Opportunities for camping, picnicking, boating, fishing, and viewing will be provided for at the site. Gravel road access will be maintained for two wheel drive vehicles from mid-April to mid-October.
Crowfoot Mountain Trail	1980	The objectives are to manage the Pukeashun recreation trail for a roaded recreation experience in the summer months, while providing a semi primitive recreation experience in the winter months. In summer opportunities for hiking, trail bike riding, motor cycle riding and viewing will be available. In winter opportunities for snowmobiling and viewing will be the focus. In the summer months a gravel road will be maintained for two wheel drive vehicles, to the trail head. In winter access may vary depending on industrial operations.
Skimikin Trails	1982	The objectives for Skimikin recreation trails are to provide a roaded recreation experience. The coniferous forest features will be retained. In winter opportunities for cross country skiing will be available while in summer the trail system will provide opportunities for hiking, bike riding, viewing, and forest interpretation. A paved road is maintained year around to the site.
Willow Point Beach Recreation Site	1986	The objectives are to manage the Willow Point beach recreation site for a semi-primitive motorized recreation experience. Access to this site is only by boat. The coniferous forest features and the lake shoreline will be retained. Opportunities for camping, picnicking, boating, fishing and viewing will be provided at the site.
Tsuius Narrows Recreation Site	1987	The objectives are to manage the Tsuius Narrows recreation site for a semi-primitive motorized recreation experience. The lake shoreline and the coniferous forest features will be retained. Opportunities for camping, boating, viewing, fishing and swimming will be available at the site. Access to this site is by boat.
Pintail Lake Recreation Site	1990	The objectives are to manage the Pintail Lake recreation site for a roaded recreation experience. The lake shoreline and coniferous forest features will be retained. Opportunities for camping, picnicking, fishing, canoeing and viewing will be available at the site. Gravel road access four wheel drive vehicles will be maintained from mid-May to mid-November.
Cache Cabin Recreation Site	4584	The objectives are to manage the Cache Cabin recreation site for a semi-primitive non-motorized recreation experience in the summer months while managing a semi-primitive motorized experience in the winter months. The surrounding coniferous forest vegetation and swamp complexes will be retained. The cabin will be kept in good repair and open for public use. Opportunities are available for camping, hiking, snowmobiling, cross country skiing as the season dictates. Summer access for four wheel drive will be maintained to the Mara Mountain hiking trail. Winter access will vary due to industrial operations.
Carram Lake Recreation Site	4585	The objectives are to manage the Carram Lake recreation site for a roaded recreation experience. The lake shore and coniferous forest features will be retained. Opportunities for camping, picnicking, fishing and viewing will be provided at the site. Access will be maintained for four wheel drive vehicles from mid-June to mid-October.
Mount Begbie Recreation Site	4711	The objectives are to manage the Mount Begbie recreation site for a semi-primitive non-motorized recreation experience. The coniferous forest and alpine feature will be retained. Opportunities for hiking, wilderness camping, viewing and photography will be provided throughout this mountainous site. Gravel road access will be maintained for four wheel drive vehicles to the trail head leading to this site. Access by vehicle will be late June to late September.

Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Site or Trail Objectives continued under FRPA section 181
Mara Mountain Snowmobile Trail	5632	The objectives are to manage the Mara Snowmobile trail for a semi-primitive motorized recreation experience. The alpine and coniferous forest features along the trail will be maintained. Opportunities for snowmobiling, viewing and exploring will be provided on the trail system. Trail access will vary due to industrial operations and snow conditions. Access will be by four wheel drive.
Queest Mountain Snowmobile Trail	5942	The objectives are to manage the Queest Mountain snowmobile trail for a semi-primitive motorized recreation experience. The alpine and coniferous forest features along the trail system will be retained. Opportunities for snowmobiling, viewing and exploring will be provided on the trail network. Trail access will vary with the industrial operations and snow conditions. Access will be by four wheel drive.

FDU #5 - Arrow Recreation Sites and Trails

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Beaver Lake Recreation Site	2127	99/05/05 The objective is to manage the Beaver Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking and boating will be available at the site.
Idaho Peak Recreation Site	2128	99/05/05 The objective is to manage roaded portion of the Idaho Peak recreation site for a semi primitive recreation experience. The trails will be maintained; the alpine vegetation will be conserved. Opportunities for viewing and picnicking will be available. No mechanized or equestrian use on the Alamo and Idaho Peak Trails.
Box Lake Recreation Site	2129	99/05/05 The objective is to manage the Box Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Wilson Lake East Recreation Site	2131	99/05/05 The objective is to manage the Wilson Lake East recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking and boating will be available at the site.
Little Wilson Lake Recreation Site	2142	99/05/05 The objective is to manage the Little Wilson recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking and boating will be available at the site.
Wilson Lake West Recreation Site	2378	98/05/26 The objective is to manage the Wilson Lake West recreation site for a lakeside, roaded resource recreation experience. The campsite will be maintained and the lake shoreline and natural vegetation conserved. Opportunities for camping, picnicking, swimming, boat launching and viewing will be available at the site. Access is by boat or road.
Silverton Creek Recreation Trail	2436	98/05/26 The objective is to manage the Silverton Creek recreation trail for a forested and subalpine semi primitive recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking are available, no mechanized uses permitted.
Eagle Creek Recreation Trail	2437	98/05/26 The objective is to manage the Eagle Creek recreation trail for a forested and subalpine semi primitive recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, equestrian and viewing are available, no mechanized uses permitted.
Dennis Creek Recreation Trail	2439	98/05/26 The objective is to manage the Dennis Creek recreation trail for a forested and subalpine semi primitive recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking and viewing are available, no mechanized uses permitted.
Kuskanax Creek Recreation Trail	2444	98/05/26 The objective is to manage the Kuskanax Creek recreation trail for a forested, semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking and mountain biking are available.
Kimbol Lake Recreation Trail	2445	98/05/26 The objective is to manage the Kimbol Lake recreation trail for a forested, semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking and viewing are available.

Recreation Site or Trail continued Under FRPA section 180	Project No. 16660-20/	Recreation Site or Trail Objectives continued under FRPA section 181
Cedar Grove Trail Recreation Site	2446	98/05/26 The objective is to manage the Cedar Gove recreation site for a forested non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking and viewing are available, no mechanized uses permitted.
K&S Railroad Recreation Trail	5076	98/05/26 The objective is to manage the K & S Railroad recreation trail for a forested recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and viewing are available, no motorized use permitted.
Bannock Point Recreation Site	5077	98/05/26 The objective is to manage the Bannock Point recreation site for a lakeside recreation experience. The campsite and trail will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, and swimming will be available at the site. Access is by non-motorized trail and boat.
Wensley X Country Recreation Site	5185	98/05/26 In winter, when cross country ski tracks are set, the objective is to manage the Wensley Cross Country recreation site for non-vehicle use, with the exception of snowmobiles used track setting, trail grooming and forest management activities. In summer, during the snow free season, the objective is to manage the trail for a forested, roaded resource recreation experience with opportunities for hiking, mountain biking and trail bike riding.
Wakefield Recreation Trail	5684	98/05/26 The objective is to manage the Wakefield recreation trail for a forested alpine/subalpine, semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and viewing uses are available, no motorized use permitted.
Alps Alturas Recreation Trail	5864	98/05/26 The objective is to manage the Alps Alturas recreation trail for a forested and subalpine semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking and viewing uses are available, no mechanized uses permitted.
Kaslo River Trailway Recreation Trail	6115	98/03/31 The objective is to manage the Kaslo River Trailway recreation trail for a forested, semi primitive recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for historic interpretation, cross-country skiing, mountain biking, hiking and equestrian use. Sections for motorized use are available.
Billy Valentine Recreation Trail	6305	98/05/26 The objective is to manage the Billy Valentine recreation trail for a forested and subalpine semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking and viewing uses are available, no mechanized uses permitted.

This map displays the Fly Hills Marten Resource Management Zone (RMZ) sub-units. The central focus is four green-outlined areas labeled "FSP-Fly Hills Marten (1)", "(2)", "(3)", and "(4)". These are situated within larger brown-shaded regions representing Treaty Settlement Areas (TSA), specifically "Kamloops TSA" and "Okanagan TSA". To the west of the Kamloops TSA is the "Kamloops FDU" (Forest Designation Unit). To the east of the Okanagan TSA is the "Okanagan FDU". Further south, separated by a thick black boundary, is the "TFL FDU" (Timber Forest Land FDU). The map includes a legend in the top left corner detailing symbols for roads, trails, water bodies, and land ownership. A scale bar at the top indicates distances up to 10 kilometers. An inset map in the bottom right corner shows the location of the study area within the broader context of British Columbia's forested regions.

Appendix D – Forest Stewardship Plan Maps by *FDU*

Individual FDU maps comprising Appendix D of this FSP are separate from this document due to file size limitations.

Appendix E – Notice, Review and Comment

Notice, review and comment information comprising Appendix E of this FSP are separate from this document due to file format limitations.