



Western Forest Products Inc.

FOREST STEWARDSHIP PLAN

Stillwater

&

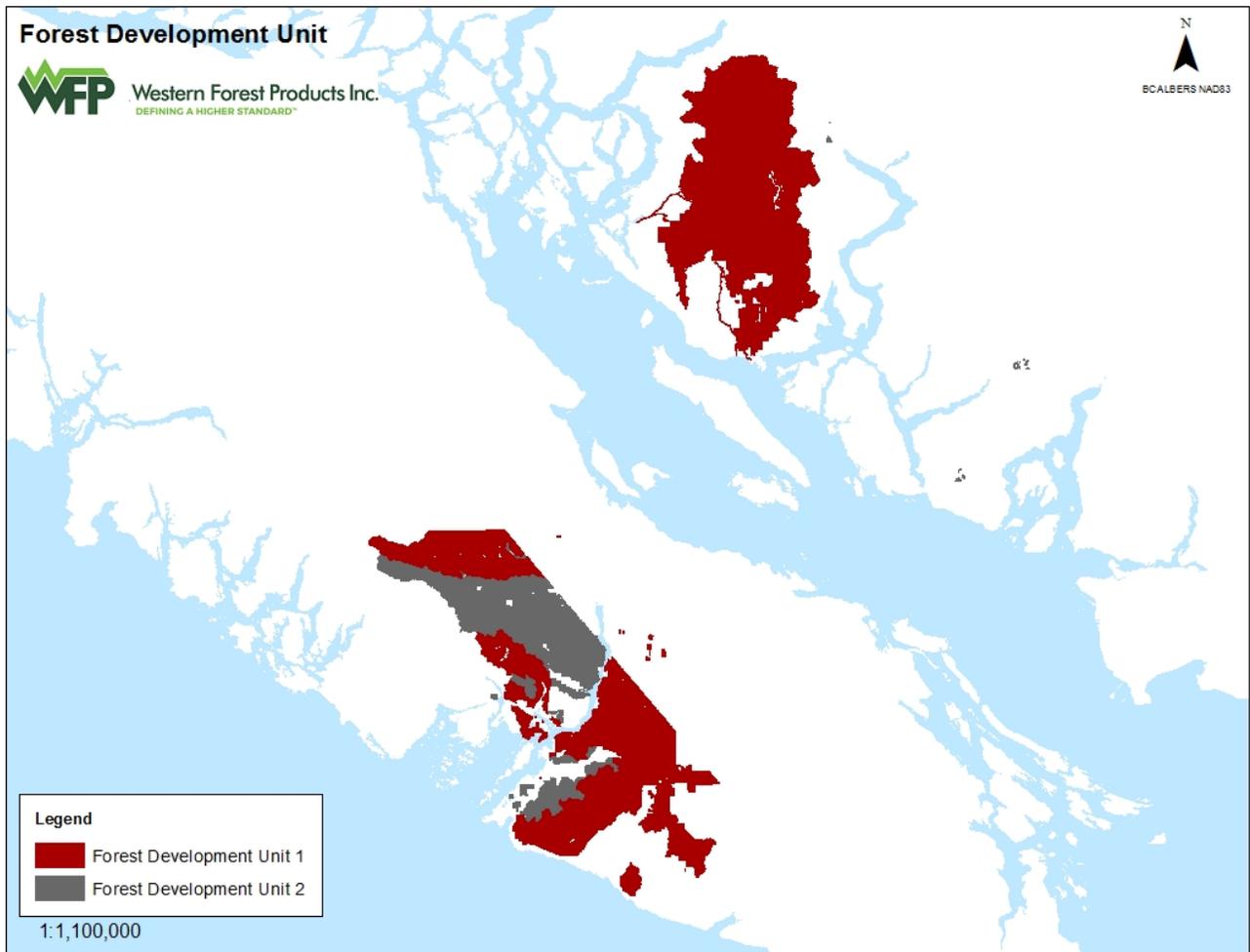
Port Alberni

Forest Operations

PREAMBLE

FSP is Key Operational Plan: Forest Stewardship Plans (“**FSP**”) are the key operational plan under the Forest and Range Practices Act (“**FRPA**”). FSP’s provide limits on where timber harvesting and road construction may occur, are subject to public review and comment and must be approved by **Government** before they take effect.

Area and Tenures to Which this FSP Applies (see Parts 1.0 and 3.0 of this FSP): This FSP applies to the tenures listed in Part 1.0 of the FSP within one or more areas that are each called a forest development unit, shown in overview on the map below.



Term (see Part 2.0 of the FSP): This FSP has a **Term** of 5 years. The **Term** commences on a date to be set by the **Government** when it approves the FSP.

Map (see Part 3.0 and Appendix B.1 of this FSP): The FSP includes a map of the FDU’s. The map shows land use designations, cutting permits, road permits and other things that are located within the FDU’s and in effect as of four months prior to submitting this FSP for approval.

Obligations (see Parts 4.0, 5.0 and 6.0 of the FSP): The FSP sets out key obligations to be met on the forest tenures to which the FSP applies. These obligations are based on requirements set out in FRPA:

- **Results and Strategies** (see Part 4.0 of the FSP): the FSP includes a result or strategy for each forest management objective **Government** has established that applies to the FDU's. These objectives address the conservation of soils, timber, wildlife habitat, riparian areas, biodiversity (including maintenance of old growth, limits on **Cutblock** size, limits on adjacency of **Cutblocks** and retention of wildlife trees), cultural heritage resources, visual quality and recreation sites. Each result must be achieved and each strategy carried out in accordance with the FSP;
- **Stocking** (see Part 5.0 of the FSP): the FSP includes requirements for growing new forests that apply to the **Cutblocks** that are subject to this FSP; and
- **Measures** (see Part 6.0 of the FSP): the FSP includes measures that must be taken to prevent the introduction and spread of invasive plants.

TABLE OF CONTENTS

1.0 APPLICATION OF THIS FSP 1

1.1 LICENCES (Act s.3(4)(b))..... 1

1.2 APPLICATION OF STOCKING STANDARDS TO OTHER CUTBLOCKS (Act s.21(2))..... 1

1.3. APPLICATION TO AREAS OTHERWISE SUBJECT TO FOREST PRACTICES CODE OBLIGATIONS (Act ss.197(4), (5) and (7) and FPPR ss.14(1)(d) and (e)) 1

2.0 TERM.....3

2.1 LENGTH OF TERM (Act s.6(1)(a))3

2.2 COMMENCEMENT OF TERM (Act s.6(1)(b))3

3.0 MAP 4

3.1 MAP SHOWS BOUNDARIES OF FOREST DEVELOPMENT UNITS (Act s.5(1)(a)(ii) and FPPR s.14(1) (b)) 4

3.2 AREAS WITHIN AN FDU CONSIDERED TO BE APPROVED (Act ss.196(1) and FPPR ss.14(1)(c) and 110)..... 4

3.3 MAP IDENTIFIES LAND USE DESIGNATIONS, CUTTING PERMITS, ROAD PERMITS AND OTHER THINGS (FPPR ss.14(2) and (3))..... 4

3.4 FDU'S IN DESIGNATED AREAS WHERE ORDERS PERMIT ACTIVITIES..... 5

4.0 RESULTS AND STRATEGIES 6

4.1 SOILS (FPPR s.5) 6

 4.1.1 Conserving Soils Values: Adopting Regulation Provisions as Result or Strategy..... 6

 4.1.2 Adoption of Section 36 as a Result or Strategy..... 6

4.2 WILDLIFE..... 7

 4.2.1 Habitat for Identified Species (FPPR s.7) 7

4.3 RIPARIAN 11

 4.3.1 Water, Fish, Wildlife & Biodiversity in Riparian Areas (FPPR s.8)..... 11

 4.3.2 Fish Habitat in Fisheries Sensitive Watersheds 14

 4.3.3 Water in Community watersheds (FPPR s.8.2)..... 15

4.4 BIODIVERSITY 17

 4.4.1 Old Growth and Mature Forests under Vancouver Island Land Use Plan..... 17

4.4.2	Old Growth Management Areas in Specified Landscape Units.....	21
4.4.3	Non-Spatial Old Growth Retention.....	22
4.4.4	Cutblock Size and Adjacency	24
4.4.5	Wildlife Tree Retention (Landscape Unit Objectives and FPPR s.9.1)	27
4.5	CULTURAL HERITAGE (FPPR s.10)	31
4.5.1	Definitions and Interpretation.....	31
4.5.2	Conserving and Protecting Cultural Heritage Resources	33
4.5.3	Information Gathering and Sharing.....	33
4.5.4	Cultural Cedar	34
4.6	VISUAL QUALITY	35
4.6.1	Definition	35
4.6.2	Cutblocks and Roads Will Be Consistent with Characteristics Applicable to Categories of Alteration.....	36
4.6.3	Application of Characteristics	36
4.6.4	Exceptions Where Alternative Characteristics Permitted	36
4.7	RECREATION.....	37
4.7.1	Definition	37
4.7.2	Management Strategies On or Near Recreation Trails	38
4.8	RESULT OR STRATEGY APPLICABLE TO FDU #2	38
5.0	STOCKING (Act s.29 and FPPR ss.16, 26, 44 and 45)	39
5.1	ELECTION: STOCKING ON BASIS OF INDIVIDUAL CUTBLOCKS (FPPR ss.16(1) and 44(1)).....	39
5.1.1	Individual Cutblock Basis.....	39
5.2	GENERAL STANDARDS	39
5.2.1	Species	39
5.2.2	Regeneration Date (FPPR ss.16(3)(a) and 44(1)(a))	39
5.2.3	Stocking Level (FPPR ss.16(3)(a) and (b) and 44(1)(a) and (b))	40
5.2.4	Minimum Horizontal Intertree Distance (FPPR ss.16(3)(a) and (b) and 44(1)(a) and (b))	40
5.2.5	Free Growing Height (FPPR ss.16(3)(b) and 44(1)(b))	41
5.2.6	Hardwood Stocking	41
5.2.7	Application to Cutblocks Where Harvesting Began Before Term Commences (Act s.197(5)).....	41
5.3	STOCKING STANDARD FOR AREA SUBJECT TO INTERMEDIATE CUTTINGS (FPPR ss.16(4) and 44(4))	42
6.0	MEASURES FOR INVASIVE PLANTS (Act s.47 and FPPR s.17).....	43
6.1	DEFINITION.....	43
6.2	IDENTIFYING SITES AT RISK.....	44

6.3	SEEDING DISTURBED AREA OF SITES AT RISK	44
6.4	EXCEPTIONS TO SEEDING DISTURBED AREAS	45
6.5	MANAGEMENT OF SITES AT RISK WITHIN A CLEARING WIDTH	45
7.0	INTERPRETATION, MATTERS AFFECTING THE FSP AND NOTICE	46
7.1	INTERPRETATION	46
	7.1.1 Definitions	46
	7.1.2 Definitions from Legislation	48
	7.1.3 Changes to Legislation	48
	7.1.4 Expressions Inclusive	48
	7.1.5 Organization	49
	7.1.6 Headings, Reference Information and Preamble	49
	7.1.7 Appendices Part of FSP	49
	7.1.8 Relevant Date for Legislation and Other References	49
	7.1.9 Responsibility	50
7.2	MATTERS AFFECTING THE FSP	51
	7.2.1 Forest Investment Account	51
	7.2.2 Cancellation of Designation, Objective, Notice, Species or Order	51
	7.2.3 No Prohibition on Activities Otherwise Permitted or Required	51
	7.2.4 Protection Provided by FRPA	51
	7.2.5 Replacement of this FSP	52
7.3	NOTICE	53
8.0	CERTIFICATION OF SIGNING PROFESSIONAL	54
9.0	SIGNATURE OF PERSON REQUIRED TO PREPARE PLAN (Act s.5(3))	54
APPENDIX A:	MATTERS RELATED TO APPLICATION OF THIS FSP	55
APPENDIX A.1:	TIMBER LICENCES SUBJECT TO THIS FSP	56
APPENDIX B:	MATTERS RELATED TO MAP AND FDU's	57
APPENDIX B.1:	MAPS SHOWING FOREST DEVELOPMENT UNITS AND OTHER ITEMS	58
APPENDIX B.2:	AREAS EXCLUDED FROM FDU's	59
APPENDIX B.3:	MINOR SALVAGE CUTTING PERMITS HELD BY HOLDER OF FSP	61
APPENDIX C:	MATTERS RELATED TO RESULTS AND STRATEGIES	62
APPENDIX C.1:	ADJUSTMENT TO AREAS NOT TO BE HARVESTED UNDER THIS FSP	63

APPENDIX C.1.1:	SPATIAL RESERVE MAPS FOR THE FOLLOWING SPECIES, SHOWING AREAS WITHIN THE SUNSHINE COAST DISTRICT AND SUNSHINE COAST TSA WHERE ONLY ACTIVITIES SPECIFIED IN APPENDIX C.1.2 ARE PERMITTED	65
APPENDIX C.1.2:	HARVESTING RESTRICTIONS IN STILLWATER AREAS WITHIN THE SUNSHINE COAST DISTRICT AND THE SUNSHINE COAST TSA	66
APPENDIX C.1.3:	AREAS IN SOUTH ISLAND FOREST DISTRICT TO BE EXCLUDED FROM MARBLED MURRELET HABITAT	67
APPENDIX C.2:	STRATEGIES FOR FISHERIES SENSITIVE WATERSHEDS.....	68
APPENDIX C.2:	SCHEDULE 1 MAP SHOWING WATERSHED BASINS with RESTRICTIONS of the KLANAWA RIVER	71
APPENDIX C.2:	SCHEDULE 2 MAP SHOWING HADDON CREEK BASIN 2-A.....	73
APPENDIX C.3:	TERRAIN STABILITY IN FISHERIES SENSITIVE AND COMMUNITY WATERSHEDS	75
APPENDIX C.4:	STRATEGIES FOR SEDIMENT CONTROL IN COMMUNITY WATERSHEDS	79
APPENDIX C.5:	BIODIVERSITY	81
APPENDIX C.5.1:	ADJUSTMENTS TO AREAS NOT TO BE HARVESTED UNDER THIS FSP PERTAINING TO VILUP.....	82
APPENDIX C.5.2:	ACTIVITIES WITHIN OGMA's	83
APPENDIX C.5.3:	ADJUSTMENTS TO AREAS NOT TO BE HARVESTED UNDER THIS FSP PERTAINING TO NSOG.....	87
APPENDIX D:	MATTERS RELATED TO STOCKING.....	89
APPENDIX D.1:	SPECIES AND FREE GROWING HEIGHT	90
APPENDIX D.2:	HARDWOOD STOCKING	94

1.0 APPLICATION OF THIS FSP

REFERENCE INFORMATION REGARDING APPLICATION OF THIS FSP
<p>A Forest Stewardship Plan must indicate the forest operations to which it applies. A Forest Stewardship Plan can apply to one or more forest tenures (licences) issued under the <i>Forest Act</i> and held by one or more licensees. A Forest Stewardship Plan can also apply to operations and obligations initially approved under and governed by the Forest Practices Code.</p>

1.1 LICENCES (Act s.3(4)(b))

This **FSP**:

- (a) applies to each cutting permit and road permit that:
 - (i) has a term that commences after the **Term** commences;
 - (ii) applies to an area within **FDU #1**; and
 - (iii) is issued under or granted in respect of the following licences:

Licences	Licence Held By
Tree Farm Licence 39, Block 1 and Tree Farm Licence 44	Western Forest Products Inc.
Timber Licences listed in Appendix A.1 to this FSP	

and

- (b) for greater certainty, applies to the permits referred to in subparagraph (a) that are within the “Stillwater area”, as that term is defined in section 1 of the Stillwater Pilot Project Regulation, BC Reg. 96/2001 and as provided for in section 1.1 of the Stillwater Pilot Project Regulation, BC Reg. 96/2001.

1.2 APPLICATION OF STOCKING STANDARDS TO OTHER CUTBLOCKS (Act s.21(2))

Part 5.0 of this **FSP** applies to all **Cutblocks** within cutting permits to which the **Previous FSP** applied, in respect of obligations under section 29(1) of the **Act** that a **Holder of this FSP** must meet in respect of those **Cutblocks** after the **Term** of this **FSP** commences, and Part 5.0 of the **Previous FSP** is amended, and replaced by Part 5.0 of this **FSP**, accordingly.

1.3. APPLICATION TO AREAS OTHERWISE SUBJECT TO FOREST PRACTICES CODE OBLIGATIONS (Act ss.197(4), (5) AND (7) AND FPPR ss.14(1)(d) AND (e))

Subject to Paragraph 1.1(b), this **FSP** applies to the following areas:

- (a) a **Cutblock** or road subject to a cutting permit that was issued under a licence referred to in Paragraph 1.1(a)(iii) and with a term that commenced before the term of the **Previous FSP** commenced on January 4, 2007 whether the cutting permit is still

in effect or not, for which a **Holder of this FSP** gives notice to the **Government** after the **Term** commences, effective the date, and to the extent, specified in the notice;

- (b) a road, or portion thereof, subject to a road permit that was granted in respect of a licence referred to in Paragraph 1.1(a)(iii) and with a term that commenced before the **Term** of the **Previous FSP** commence on January 4, 2007 for which a **Holder of this FSP** gives notice to the **Government** after the **Term** commences, effective the date, and to the extent, specified in the notice; and
- (c) a **Cutblock**:
 - (i) that is within **FDU #2**;
 - (ii) harvested under a licence referred to in Paragraph 1.1(a)(iii);
 - (iii) for which:
 - (A) the **commencement date** occurred; and
 - (B) a free growing declaration was not made, before the **Term** of the **Previous FSP** commenced; and
 - (iv) for which a **Holder of this FSP** gives notice to the **Government** that the stocking standards in this **FSP** will apply,

but only Parts 4.8 and 5 and those portions of Parts 1, 2, 3 and 7 of this **FSP** that affect Parts 4.8 and 5 apply to such a **Cutblock**.

2.0 TERM

REFERENCE INFORMATION REGARDING TERM OF THIS FSP

A Forest Stewardship Plan must indicate the length of the term for which it applies. At the election of the holder of the FSP, the FSP can be for a term of up to 5 years. A Forest Stewardship Plan begins on a date specified by government when it approves the Plan.

2.1 LENGTH OF TERM (Act s.6(1)(a))

The **Term** of this **FSP** is 5 years beginning on the commencement specified in Paragraph 2.2 unless:

- (a) terminated earlier by the **Holder of this FSP** by giving notice to the **Government**; or
- (b) extended pursuant to **FRPA**.

2.2 COMMENCEMENT OF TERM (Act s.6(1)(b))

The **Term** of this **FSP** commences on **December 4, 2017**.

3.0 MAP

REFERENCE INFORMATION REGARDING THE FSP MAP

A Forest Stewardship Plan must include a map showing the boundaries of the forest development units to which the FSP applies. The Plan may also specify areas within an FDU that have been previously approved by government, in which case, approval is considered to have been given under the FSP as well. Finally, the FSP must identify specified areas of land use designations, such as ungulate winter ranges, old growth management areas and community watersheds, and cutting and road permits that are within the forest development unit.

3.1 MAP SHOWS BOUNDARIES OF FOREST DEVELOPMENT UNITS (Act s.5(1)(a)(ii) AND FPPR s.14(1) (b))

The boundaries of each **FDU** under this **FSP**:

- (a) are, subject to subparagraphs (c) and (d), shown on the **FSP Map**;
- (b) as shown on the **FSP Map**, exclude the areas listed in Appendix B.2 to this **FSP**;
- (c) exclude any area subject to a cutting permit or road permit held by a **Holder of this FSP** as of the **Legislated Planning Date** that does not pertain to a licence referred to in Paragraph 1.1(a)(iii);
- (d) include, despite any inconsistency between the **FSP Map** and the boundaries of a tree farm licence or timber licence referred to in Paragraph 1.1, the full area of such licence, except any such area referred to in subparagraph (b).

3.2 AREAS WITHIN AN FDU CONSIDERED TO BE APPROVED (Act ss.196(1) AND FPPR ss.14(1)(c) AND 110)

The areas to which section 196(1) of the **Act** applies as of the **Date of Submission** and that are within an **FDU** under this **FSP** are identified on the **FSP Map**.

3.3 MAP IDENTIFIES LAND USE DESIGNATIONS, CUTTING PERMITS, ROAD PERMITS AND OTHER THINGS (FPPR ss.14(2), (3) AND (4))

The **FSP Map** identifies the following things that are within an **FDU** and in effect as of the **Legislated Planning Date**:

- (a) ungulate winter range;
- (b) wildlife habitat area;
- (c) fisheries sensitive watershed;
- (d) lakeshore management zone, as referred to in section 14(3)(d) of the **FPPR**;
- (e) scenic area;
- (f) L1 lake, as referred to in section 14(3)(f) of the **FPPR**;
- (g) community watershed;

- (h) old growth management area;
- (i) declared areas;
- (j) an area where commercial timber harvesting is prohibited by an enactment other than the **FPPR**; and
- (k) the cutting permits and road permits referred to in section 14(3)(j) of the **FPPR**, except minor salvage cutting permits, which are identified in Appendix B.3 to this **FSP**.¹

3.4 FDU'S IN DESIGNATED AREAS WHERE ORDERS PERMIT ACTIVITIES

An area within an **FDU** that, as of the **Submission Date**, is subject to:

- (a) a **designated area**; and
- (b) a ministerial order made under section 170(2) of the **Forest Act** that suspends or gives a direction regarding the issuance of a permit, licence or plan within that **designated area**,

is, for so long as the **designated area** and order remain in effect, included as part of the **FDU** only to the extent and for the purpose of **primary forest activities** that are exempted or excepted from, or not prohibited under, that order.

¹ The **FSP Map** also identifies resource management zones, but this identification is not required under **FPPR** s.14(3) and is included only for general information and is not part of this **FSP**.

4.0 RESULTS AND STRATEGIES

REFERENCE INFORMATION REGARDING RESULTS AND STRATEGIES
Subject to exemptions provided under FRPA, each Forest Stewardship Plan must contain a result or strategy for each objective created by government that is applicable to the Forest Development Unit under the Plan. The result or strategy must be consistent with the objective to the extent practicable, measurable and verifiable and indicate the circumstances or situations in which it applies.

4.1 SOILS (FPPR s.5)

REFERENCE INFORMATION FOR OBJECTIVE RE SOILS				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
1	Act s.149	FPPR s.5	N/A	January 31, 2004
Summary of Objective for Soils (Objective #1 in this FSP)				
Without unduly reducing the supply of timber from BC's forests, conserve the productivity and hydrological function of soils.				

RESULT OR STRATEGY FOR OBJECTIVE RE SOILS (OBJECTIVE# 1 IN THIS FSP)

4.1.1 Conserving Soils Values: Adopting Regulation Provisions as Result or Strategy

For the purposes of section 12.2 of the **FPPR**, and subject to Paragraph 4.1.2, each **Holder of this FSP** adopts sections 35 and 36 of the **FPPR** as a result or strategy under this **FSP**.

4.1.2 Adoption of Section 36 as a Result or Strategy

For the purposes of adopting section 36 of the **FPPR** as a result or strategy under this **FSP**, a reference to "**Cutblock**" in that section is deemed to be a reference to "**Cutblock**", as that term is defined in this **FSP**.

4.2 WILDLIFE

4.2.1 Habitat for Identified Species (FPPR s.7)

REFERENCE INFORMATION FOR OBJECTIVE RE HABITAT FOR IDENTIFIED SPECIES				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
2	Act s.149	FPPR s.7	For specified species at risk in the following Forest District: <ul style="list-style-type: none"> ▪ South Island 	December 30, 2004.
			For specified species at risk in the following Forest District <ul style="list-style-type: none"> ▪ Sunshine Coast 	March 2, 2006
Summary of Objective re Habitat for Identified Species (Objective #2 in this FSP)				
Conserve sufficient wildlife habitat in terms of amount, distribution and attributes of areas for the survival of species at risk as identified in notices from the minister responsible for the Wildlife Act.				

RESULT OR STRATEGY FOR OBJECTIVE RE HABITAT FOR SPECIFIED SPECIES (OBJECTIVE #2 in this FSP)

4.2.1.1 Definitions

In Paragraphs 4.2.1.1 to 4.2.1.7 and in Paragraph 1 of Appendix C.1 to this **FSP**:

- (a) **“Identified Species”** means a species listed for a district or timber supply area in a table in Paragraph 4.2.1.2, unless:
 - (i) the table indicates “n/s”; or
 - (ii) the species is, after the **Legislated Planning Date**, removed from the relevant **Notice**, in which case it will no longer be an **Identified Species**;
- (b) **“Detailed Survey”** means a survey conducted in accordance with the Survey Standard;
- (c) **“Marbled Murrelet Habitat”** means:
 - (i) the amount of area determined as follows:
 - (A) subject to subclause (B), the amount of area that:
 - (I) is specified as the amount of marbled murrelet habitat in a **Marbled Murrelet Notice**;
 - (II) occurs on the **Non-Contributing Landbase**; and

- (III) is within a stand of timber that is Class 1, 2 or 3 marbled murrelet habitat, as described in the **Detailed Survey**;
- (B) within the South Island Forest District, the amount of area determined under subclause (A), adjusted to:
 - (I) exclude the areas shown on the map in Appendix C.1.3 to this **FSP** that are within the **Non-Contributing Landbase**;
 - (II) be reduced by the amount of area of suitable marbled murrelet habitat, if any, in each:
 - (1) wildlife habitat area not established specifically for marbled murrelet;
 - (2) old growth management area; and
 - (3) ungulate winter range,
established in the District after the date the **Marbled Murrelet Notice** for the District was issued; and
 - (III) be reduced by the entire area of a wildlife habitat area established in the District specifically for marbled murrelet after the date the **Marbled Murrelet Notice** for the District was issued; and
- (ii) in substitution for any portion of the amount of area determined under clause (i) for the South Island Forest District, an equivalent amount of area in that District that is consistent with the attributes in the **Marbled Murrelet Notice** applicable to that District;
- (d) **“Marbled Murrelet Notice”** means that portion of the **Notice** for the South Island Forest District, as the case may be, that pertains to marbled murrelet;
- (e) **“Non-Contributing Landbase”** means the 90% and greater non-contributing landbase described in:
 - (i) the Timber Supply Analysis for Management Plan Number 5 for Tree Farm Licence 44, approved May 6,2010; and
 - (ii) the Timber Supply Analysis for Management Plan Number 8 for Tree Farm Licence 39 Block1, approved July 30, 2001;
- (f) **“Notice”** means a notice given under and in accordance with section 7 of the **FPPR** to the Holder of this **FSP**;
- (g) **“Spatial Reserve Map”** means a map in Appendix C.1.1, to this **FSP**, or any revision to such map as the **Holder of this FSP** and the **Government** may agree upon; and
- (h) **“Survey Standard”** means *Standard Methods for Identifying and Ranking Nesting Habitat of Marbled Murrelets (Brachyramphus*

marmoratus) in British Columbia using air photo Interpretation or Low-Level Aerial Surveys, Burger, A.ed. 2004.

4.2.1.2 Area Not to be Harvested

Subject to Paragraphs 4.2.1.3 to 4.2.1.7, the **Holders of this FSP**, collectively, will not harvest at least the following area within **FDU #1** that is consistent with the attributes and distribution for the **Identified Species** as set out in the applicable **Notice**:

- (a) for the **Identified Species** that are species at risk, by District:

Species at Risk	Portion of Land Base	District and Area Not to be Harvested (hectares, unless specified otherwise in this Table)	
		South Island	Sunshine Coast
Coastal Tailed Frog	Total Amount	n/s	2.5
	THLB Amount		1.6
Grizzly Bear	Total Amount	n/s	That area shown on the relevant Spatial Reserve Map
	THLB Amount		
Marbled Murrelet	Total Amount	5295	That area shown on the relevant Spatial Reserve Map
	THLB Amount	n/a	
Queen Charlotte Goshawk	Total Amount	0	81.8
	THLB Amount		17.8
Scouler’s Corydalis	Total Amount	0	n/s
	THLB Amount		

where in the table under subparagraph (a) and in Paragraph 4.2.1.3:

- (b) “**n/a**” means not applicable;
- (c) “**n/s**” means that the species was not included in the **Notice** for the district or the timber supply area, as the case may be;
- (d) “**Total Amount**” means the total amount of habitat for the specified species within the specified district in the case of subparagraph (a) and the specified timber supply area in the case of subparagraph (b); and
- (e) “**THLB Amount**” means the maximum potential amount of habitat for the specified species within the timber harvesting landbase for the specified district in the case of subparagraph (a) and for the specified timber supply area in the case of subparagraph (b), as that landbase may change from time to time based on timber that is harvestable and, in the case of a tree farm licence or timber licence subject to this **FSP**, as that landbase is specified from time to time in the inventory maintained for the licence by a **Holder of this FSP**.

4.2.1.3 **Attributing Area Not to be Harvested Between Contributing and Non-Contributing Landbase**

If the table in Paragraph 4.2.1.2 (a) specifies two areas for a species, one being a **Total Amount** and the other being a **THLB Amount**, the **Holders of this FSP**, collectively, will attribute the area not to be harvested as follows:

- (a) first, within the **non-contributing landbase**, up to the **Total Amount** specified in the table; and
- (b) only if the specified **Total Amount** cannot be fully attributed to the **non-contributing landbase**, then, second, that which cannot be so attributed will be attributed to the timber harvesting landbase, up to the **THLB Amount** specified in the table.

4.2.1.4 **Adjustments to Area Not to be Harvested**

An area specified in the table in Paragraph 4.2.1.2 (a) will be revised in accordance with Appendix C.1 to this **FSP** if:

- (a) the amount of habitat specified in the relevant **Notice** is reduced by an amendment to the **Notice**; or
- (b) the area of the timber harvesting land base within **FDU #1** and covering the natural range of an **Identified Species** is reduced.

4.2.1.5 **Limits on Area Not to be Harvested**

Despite Paragraphs 4.2.1.2 to 4.2.1.4, the amount of habitat not to be harvested under Paragraph 4.2.1.2 need not exceed the area of habitat having the attributes specified in the **Notice** within the area specified in variable B Appendix C.1 to this **FSP**.

4.2.1.6 **Where Result or Strategy Does Not Apply**

Paragraph 4.2.1.2 does not apply if and to the extent that, after the **Legislated Planning Date**, a **Holder of this FSP** is granted an exemption under section 7(3) of the **FPPR** that applies in respect of the result or strategy in that Paragraph.

4.2.1.7 **Harvesting Restrictions in Stillwater Areas within the Sunshine Coast District and the Sunshine Coast TSA**

Paragraph 4.2.1.2 does not apply in the areas shown on the relevant **Spatial Reserve Map** in respect of grizzly bear and marbled murrelet in the Sunshine Coast District if and to the extent that Appendix C.1.2 to this **FSP** specifies that timber harvesting or road activities are permitted.

4.3 RIPARIAN

4.3.1 Water, Fish, Wildlife & Biodiversity in Riparian Areas (FPPR s.8)

REFERENCE INFORMATION RE OBJECTIVE FOR WATER, FISH, WILDLIFE & BIODIVERSITY IN RIPARIAN AREAS				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
3	Act s.149	FPPR s.8	N/A	January 31, 2004
Summary of Objective re Water, Fish, Wildlife & Biodiversity in Riparian Areas (Objective #3 in this FSP)				
Without unduly reducing the supply of timber from BC's forests, conserve, at the landscape level, specified values within riparian areas.				

RESULT OR STRATEGY FOR OBJECTIVE RE WATER, FISH, WILDLIFE & BIODIVERSITY IN RIPARIAN AREAS (Objective # 3 in this FSP)

4.3.1.1 Factors Relating to Objective

For the purpose of section 12(1) of the **FPPR**, each **Holder of this FSP** will consider all applicable factors set out in Schedule 1 section 2 of the **FPPR** when applying Paragraphs 4.3.1.2 to 4.3.1.8.

4.3.1.2 Riparian Classes: Adopting Regulation Provisions as Result or Strategy

For the purposes of sections 12.3(1) to (3) and 12.3(7) of the **FPPR**, and subject to Paragraph 4.3.1.3, each **Holder of this FSP** adopts sections 47(4) to (6), 48(3) to (5), 49(2) and (3) and 53 of the **FPPR** as a result or strategy under this **FSP**.

4.3.1.3 Where Width of Riparian Reserve Zone May Vary

For the purpose of adopting sections 47(4), 48(3) and 49(2) of the **FPPR** as a result or strategy under this **FSP**, the riparian reserve zone for a stream, wetland or lake:

- (a) subject to subparagraph (b), will be of a width specified in those provisions of the **FPPR**; or
- (b) at the election of a **Holder of this FSP**, set out in the applicable site plan required under **FRPA**, will:
 - (i) have an area of not less than:

- (A) in the case of a stream, the sum of the areas calculated by multiplying the minimum width for each stream riparian class specified in section 47(4) of the **FPPR**, by the length of the stream, if any, in that class in the **Cutblock**;
 - (B) in the case of a wetland, the area calculated by multiplying the minimum width specified in section 48(3) of the **FPPR** by the length of the shoreline of the wetland in the **Cutblock**;
 - (C) in the case of a lake, the area calculated by multiplying the minimum width specified in section 49(2) of the **FPPR** by the length of the shoreline of the lake in the **Cutblock**;
- (ii) subject to Paragraph 4.3.1.3(b)(iii), be distributed adjacent to the stream, wetland or lake, as the case may be, in a practicable manner, having regard to
- (A) the size, topography and engineering constraints of the Cutblock; and
 - (B) the following:
 - (I) the type of management regime that is required for a riparian area, having regard to:
 - (1) the need to buffer the aquatic ecosystem of a stream, wetland or lake from the introduction of materials that are deleterious to water quality or fish habitat;
 - (2) the role played by trees and understory vegetation in conserving water quality, fish habitat, wildlife habitat and biodiversity;
 - (3) the need to maintain stream bank and stream channel integrity; and
 - (4) the relative importance and sensitivity of different riparian classes of streams, wetlands, and lakes in conserving water quality, fish habitat, wildlife habitat and biodiversity;
 - (II) the relative windfirmness of the proposed edge when exposed;
 - (III) the type, timing or intensity of forest practices that can be carried out within the context of a management regime referred to in section (I); and
 - (IV) the role of forest shading in controlling an increase in temperature within a temperature sensitive stream, if the increase might have a deleterious effect on fish or fish habitat; and
- (iii) not exceed the width of the applicable riparian management area;

(iv) be completed and documented by a **Qualified Registered Professional**;

and, if the riparian reserve zone is established in accordance with subparagraph (b), that **Holder of this FSP** will show the boundaries of the zone on the site plan.

4.3.1.4 Restrictions in Riparian Management Area: Adopting Regulation Provisions as Result or Strategy

For the purposes of section 12.3(4) of the **FPPR**, and subject to Paragraph 4.3.1.5, each **Holder of this FSP** adopts section 50(1) of the **FPPR** as a result or strategy under this **FSP**.

4.3.1.5 Permitted Road Construction in a Riparian Management Area

For the purposes of adopting section 50(1) of the **FPPR** as a result or strategy under this **FSP**, in addition to the circumstances listed in section 50(1) that permit road construction in a riparian management area, a **Holder of this FSP** may construct a road in a riparian management area that does not include a riparian reserve zone if the road ends within the riparian management area and timber will be yarded to the road through the riparian management area.

4.3.1.6 Restrictions in Riparian Reserve Zone: Adopting Regulation Provisions as Result or Strategy

For the purposes of section 12.3(5) of the **FPPR**, each **Holder of this FSP** adopts section 51(1) and (3) of the **FPPR** as a result or strategy under this **FSP**.

4.3.1.7 Restrictions in Riparian Management Zone: Adopting Regulation Provisions as Result or Strategy Where Instability Will Have Adverse Effect

For the purposes of section 12.3(6) of the **FPPR**, each **Holder of this FSP** adopts section 52(2) of the **FPPR** as a result or strategy under this **FSP** where and to the extent the failure to maintain stream bank or channel stability referred to in that section will have a material adverse effect on:

- (a) an S1, S2 or S3 stream listed in section 52(2)(a) thereof;
- (b) an area listed in sections 52(2)(b)(i) to (v) thereof; or
- (c) an area referred to in section 52(2)(c) thereof.

4.3.1.8 Retention within the Riparian Management Zone (FPPR s.12(3))

A Holder of this FSP will:

- (a) not fell a tree within the **riparian management zone** for:
 - (i) an S1, S2 or S3 stream if that felling will create a high likelihood of slope failure and such failure, if it occurs, will have a material adverse effect on the stream; or

- (ii) a wetland or a lake if that felling will have a material adverse effect on a recreation site within the zone or on the visual quality of the zone, if there is, and as assessed from, a viewpoint with significant public viewing opportunities on the wetland or lake; and
- (b) ensure that at the conclusion of harvesting a **Cutblock** to which this **FSP** applies, and that contains one or more **riparian management zones** for one or more streams, a portion of a **wildlife tree retention area** that relates to that **Cutblock** is located within at least one such **riparian management zone**.

4.3.2 Fish Habitat in Fisheries Sensitive Watersheds (VILUP Objective 8 and Order under GAR s.14)

REFERENCE INFORMATION FOR OBJECTIVE RE FISH HABITAT IN FISHERIES SENSITIVE WATERSHEDS				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
4 (# applies to list collectively)	Land Use Objective	VILUP Objective 8	Ministers of Forests, Environment, Lands & Parks and Energy and Mines	December 1, 2000
	Objective established under GAR	GAR s.14	Order of Deputy Minister of Environment dated December 19, 2005	December 29, 2005
Summary of Objective re Fish Habitat in Fisheries Sensitive Watersheds (Objective #4 in this FSP)				
<p>VILUP Objective 8 (applies to Klanawa only): Avoid or mitigate adverse hydrological impacts, which may result from the practices referred to in VILUP Objective 7, in watersheds with significant watershed sensitivity and significant fisheries values, as determined by the district manager and the designated environment official.</p>				
<p>GAR s.14 (applies to Haddon Creek and Klanawa): To provide, within the normal forest rotation, special management of the amount, timing and distribution of primary forest activities, in order to:</p> <ul style="list-style-type: none"> i) conserve the natural hydrological 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 prevent the cumulative effects of primary forest activities in the Fisheries Sensitive Watershed from resulting in a material adverse impact on the fish habitat in the watershed. 				

RESULT OR STRATEGY FOR OBJECTIVE RE FISH HABITAT IN FISHERIES SENSITIVE WATERSHEDS (OBJECTIVE #4 IN THIS FSP)

4.3.2.1 Fisheries Sensitive Watersheds in FDU #1

In Paragraph 4.3.2.2 and Appendices C.2 and C.3 to this FSP, “**Fisheries Sensitive Watershed**” means the watershed for the following:

- (a) Haddon Creek, South Island Forest District; and
- (b) Klanawa River, South Island Forest District,

as established as of the **Legislated Planning Date** unless, after that date the designation of the area as a fisheries sensitive watershed is:

- (a) amended to reduce the area it covers, in which case this definition applies to the area of the watershed as reduced; or
- (b) cancelled, in which case it will no longer fall within this definition of **Fisheries Sensitive Watershed**.

4.3.2.2 Conduct of Primary Forest Activities in Fisheries Sensitive Watersheds

When carrying out a *primary forest activity* to which this FSP applies in a **Fisheries Sensitive Watershed in FDU #1**, and for the purposes of sections 12.31(1) to (3) of the FPPR, a **Holder of this FSP** will do so in accordance with Appendices C.2 and C.3 to this FSP.

4.3.3 Water in Community watersheds (FPPR s.8.2)

REFERENCE INFORMATION FOR OBJECTIVE RE WATER IN COMMUNITY WATERSHEDS				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
5	Act s.149	FPPR s.8.2	N/A	February 25, 2005
Summary of Objective re Water in Community Watersheds (Objective #5 in this FSP)				
Without unduly reducing the supply of timber from BC’s forests, where water is being diverted for human consumption through a licensed waterworks in a community watershed, prevent cumulative hydrological effects of primary forest activities from resulting in a material adverse impact on either quantity or timing of flow of the water from the waterworks or on human health that cannot be addressed by water treatment required under an enactment or the waterworks license.				

RESULT OR STRATEGY FOR OBJECTIVE RE WATER IN COMMUNITY WATERSHEDS (OBJECTIVE #5 IN THIS FSP)

4.3.3.1 Community Watersheds in FDU #1

In Paragraph 4.3.3.2 and Appendices C.3 and C.4 to this **FSP**, “**Community Watershed**” means the following:

- (a) China Creek community watershed;
- (b) Cousteau Creek community watershed
- (c) Haggard Lake community Watershed;
- (d) Haslam / Lang Creek community watershed;
- (e) Jefferd Creek community watershed;
- (f) Malachan Creek community watershed;
- (g) Silver Creek community watershed; and
- (h) Sliammon Lake community watershed,

as established as of the **Legislated Planning Date**, unless, after that date the designation of the area as a community watershed is:

- (a) amended to reduce the area it covers, in which case this definition applies to the area of the watershed as reduced; or
- (b) cancelled, in which case it will no longer fall within this definition of **Community Watershed**.

4.3.3.2 Preventing Cumulative Hydrological Effects in Community Watersheds

For the purposes of sections 8.2 and 12.32(1) to (3) of the **FPPR**, and subject to Paragraph 4.3.3.3, when carrying out a **primary forest activity** to which this FSP applies in a **Community Watershed**, a **Holder of this FSP** will do so in accordance with Appendices C.3 and C.4 to this **FSP**.

4.3.3.3 Where Result or Strategy Does Not Apply

Paragraph 4.3.3.2 does not apply if and to the extent that, after the **Legislated Planning Date**, a **Holder of this FSP** is given an exemption under either section 8.2(4) or (5) of the **FPPR**, that applies in respect of the result or strategy under that Paragraph.

4.4 BIODIVERSITY
4.4.1 Old Growth and Mature Forests under Vancouver Island Land Use Plan

REFERENCE INFORMATION FOR OBJECTIVE RE VILUP OLD GROWTH AND MATURE FORESTS				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
6 (# applies to list collectively)	Land Use Objective	VILUP (see list of Objectives below)	Order of Ministers of Forests, Environment, Lands and Parks & Energy and Mines	December 1, 2000
Summary of Objective re VILUP Old Growth and Mature Forests (Objective #6 in this FSP)				
VILUP Objective 1(a) and (b): for SMZ's 1 to 14 and 17 to 22, sustain ecosystem structure and function (Note that this FSP covers SMZ's 14, 17, 18 and 21)				
VILUP Objective 11: in RMZ 42 , retain old seral forest in CWHvm1 in accordance with the full old seral target of 13 per cent for the variant				
VILUP Objective 11.1: in RMZ 42 , despite objective 11, up to one third of the old seral target may be recruited from second growth if necessary to avoid severe social & economic consequences; does not impact ability to conserve suitable habitat of ID wildlife in accordance with IWMS; and ecologically suitable second growth is identified.				
VILUP Objective 15: for RMZ 43 , retain old growth forests to meet old seral targets and marbled murrelet habitat requirements in the non-contributing land base to the fullest extent possible.				
VILUP Objective 16: for RMZ 43 , beyond retention in the non-contributing land base, retain old forests in the timber harvesting land base, up to the full target amount, if the district manager and the designated environment official determine that such retention is required to maintain critical marbled murrelet habitat.				

RESULT OR STRATEGY FOR OBJECTIVE RE VILUP OLD GROWTH AND MATURE FORESTS (Objective #6 in this FSP)
4.4.1.1 Definition (VILUP Objective 1(a))

For the purposes of:

- (a) Paragraphs 4.4.1.2 and 4.4.1.3 and Appendix C.5.1 to this **FSP**, "**Mature**" means 80 years or older in age;
- (b) Paragraphs 4.4.1.5, 4.4.1.6 and 4.4.1.7 and Appendix C.5.1 to this **FSP**, "**Old Seral**" means 250 years or older in age;

- (c) Paragraphs 4.4.1.2 to 4.4.1.4, “**Applicable SMZ’s**” means the following **SMZ’s** to which **VILUP** Objectives 1(a) and 1(b), as they were on the **Legislated Planning Date** and this **FSP** apply, namely **SMZ’s** 14, 17, 18 and 21.

4.4.1.2 Mature Seral Forests - Area Not to be Harvested (VILUP Objective 1(a))

Subject to Paragraph 4.4.1.3, the **Holders of this FSP**, collectively, will not harvest from **FDU #1** at least the following area of **Mature** seral forest that existed as of the **Legislated Planning Date** in the **Applicable SMZ’s**:

SMZ	Area (hectares)
14	302
17	1160
18	625
21	117

4.4.1.3 Mature Seral Forests - Adjustment to Area Not to be Harvested (VILUP Objective 1(a))

An area specified in Paragraph 4.4.1.2 will be adjusted if and when the following occur and as follows:

- (a) if after the **Legislated Planning Date**:
- (i) **VILUP** Objective 1 (a) is amended to reduce the amount, by area, of **Mature** seral forest to be retained in an **Applicable SMZ’s**; or
 - (ii) the proportion of the area within an **Applicable SMZ** to which **VILUP** Objective 1 (a) and this **FSP** applies that is subject to a licence referred to in Paragraph 1.1 is reduced,

the amount, by area, of **Mature** seral forest in that **Applicable SMZ** that the **Holders of this FSP**, collectively, will not harvest will be based on a reduced amount calculated in accordance with Appendix C.5.1 to this **FSP**.

4.4.1.4 Wildlife Trees and Coarse Woody Debris (VILUP Objective 1(b))

If harvesting a **Cutblock** in an **Applicable SMZ**, a **Holder of this FSP** will, as of the conclusion of that harvesting:

- (a) comply with Paragraphs 4.4.5.1 to 4.4.5.4;
- (b) retain coarse woody debris at levels in accordance with section 68 of the **FPPR**, measured on the basis of an average per hectare across a **Cutblock**; and

- (c) ensure that some portion of a **wildlife tree retention area** that is created to comply with subparagraph (a) is not contiguous with the boundary of the **Cutblock** to which that area relates.

4.4.1.5 Old Seral Forests – Area Not to Be Harvested (VILUP Objective 11)

Subject to Paragraphs 4.4.1.6 and 4.4.1.7, the **Holders of this FSP**, collectively, will not harvest at least the following area of old seral forest in the CWHvm1 in **RMZ 42** that existed as of the **Legislated Planning Date**:

RMZ	Area (hectares)
42	1104

4.4.1.6 Old Seral Forests – Adjustment to Area Not to be Harvested (VILUP Objectives 11 and 11.1)

The area referred to in Paragraph 4.4.1.5 will be adjusted if and when the following occur and as follows:

- (a) if the existing amount of old seral forest in the CWHvm1 in **RMZ 42** on the **Legislated Planning Date** is less than 13% of the forest land, the amount of old seral forest in the CWHvm1 in **RMZ 42** that the **Holders of this FSP**, collectively, will not harvest will be that existing amount; and
- (b) if after the **Legislated Planning Date**:
 - (i) **VILUP Objective 11** is amended to reduce the amount, by area, of old seral forest to be retained in **RMZ 42**; or
 - (ii) the proportion of the area within **RMZ 42** that is subject to a licence referred to in Paragraph 1.1 is reduced;

the amount, by area, of old seral forest in **RMZ 42** to which **VILUP Objective 11** and this **FSP** applies that the **Holders of this FSP**, collectively, will not harvest will be based on a reduced amount calculated in accordance with Appendix C.5.1 to this **FSP**.

4.4.1.7 Old Seral Forests – Further Adjustment to Area Not to be Harvested to Avoid Social and Economic Consequences (VILUP Objective 11.1)

The area that a **Holder of this FSP** will not harvest under Paragraph 4.4.1.5 or 4.4.1.6 may be reduced by up to one-third if that **Holder of this FSP** recruits from second growth forest and provided that:

- (a) such recruitment is necessary to avoid severe social and economic consequences;
- (b) such recruitment will not impact the ability to conserve suitable habitat of identified wildlife in accordance with the Identified Wildlife Management Strategy; and

- (c) ecologically suitable second growth forest is identified to recruit the shortfall.

4.4.1.8 Marbled Murrelet – Area Not to Be Harvested (VILUP Objectives 15 and 16)

If and to the extent **Government** specifies in a notice to the **Holder of this FSP** that retention within the timber harvesting land base in **RMZ 43** is required to maintain critical marbled murrelet habitat, a **Holder of this FSP** will design **Cutblocks** and roads within such area specified in the notice consistent with **VILUP** Objectives 15 and 16, as they were on the **Legislated Planning Date** to the extent that the maintenance of such habitat is not already addressed by Paragraph 4.4.3 or another result or strategy under this **FSP**.

4.4.1.9 Where Result or Strategy Does Not Apply

Paragraphs 4.4.1.5 to 4.4.1.8 do not apply to an **RMZ** referred to in those Paragraphs if, within all landscape units that contain the **RMZ** an old growth management area has been established.

4.4.2 Old Growth Management Areas in Specified Landscape Units

REFERENCE INFORMATION FOR OGMA'S IN SPECIFIED LANDSCAPE UNITS				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
7 (# applies to all of the listed objectives collectively)	Land Use Objective	FPC Act s.4 Bunster Landscape Unit Objective	Order of District Manager dated September 21, 2000	September 22, 2000
	Land Use Objective	FPC Act s.4 Lois Landscape Unit Objective	Order of MSRM Regional Director dated Dec 2, 2002	December 2, 2002
	Land Use Objective	FPC Act s.4 Powell-Daniels Landscape Unit Objective	Order of District Manager dated January 25, 2002	January 25, 2002
	Land Use Objective	FPC Act s.4 Powell Lake Landscape Unit Objective	Order of MSRM Regional Director dated Dec 2, 2002	December 2, 2002
	Land Use Objective	Land Act s. 93.4 Great Central Landscape Unit	Order of MFLNRO Regional Executive Director dated August 10, 2015	August 18, 2015
	Land Use Objective	Land Act s. 93.4 Caycuse, Nitinat, and Walbran Landscape Unit Objective	Order of ILMB Regional Director dated September 7, 2005	February 22, 2007
Summary of Objective re OGMA's in Specified Landscape Units (Objective #7 in this FSP)				
Each of these objectives specifies that forest practices within the indicated old growth areas are restricted, subject to specified exceptions.				

RESULT OR STRATEGY FOR OBJECTIVE RE OGMA'S IN SPECIFIED LANDSCAPE UNITS (OBJECTIVE #7 IN THIS FSP)

4.4.2.1 Activities within OGMA's

If carrying out timber harvesting or road construction in an old growth management area in a landscape unit specified in Appendix C.5.2 to this **FSP**, a **Holder of this FSP** will do so in the manner set out in that Appendix.

4.4.3 Non-Spatial Old Growth Retention

REFERENCE INFORMATION FOR OBJECTIVE RE NON-SPATIAL OLD GROWTH RETENTION				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
8	Land Use Objective	FPC Act s.4 Landscape Unit Objective	MSRM Non-Spatial Old Growth	June 30, 2004
Summary of Objective re Non-Spatial Old Growth Retention (Objective #8 in this FSP)				
Licensees must maintain old forest by BEC variant within a landscape unit according to the age and % old forest retention specified in the objective by emphasis areas but subject to exceptions including addressing impacts on timber supply in low emphasis areas, using younger forests in intermediate and high areas and not applying the objective where there are draft or existing old growth management areas, non-spatial old growth objectives established in a higher level plan or Category A cutblocks approved under the Forest Practices Code.				

RESULT OR STRATEGY FOR OBJECTIVE RE NON-SPATIAL OLD GROWTH RETENTION (OBJECTIVE #8 IN THIS FSP)

4.4.3.1 Definition

In Paragraphs 4.4.3.2 to 4.4.3.4, “**Objective**” means the Order Establishing Provincial Non-Spatial Old Growth Objectives that came into effect June 30, 2004.

4.4.3.2 Area Not to be Harvested

Subject to Paragraphs 4.4.3.3 and 4.4.3.4, the **Holders of this FSP**, collectively, will not harvest at least the areas of old forest of the age specified in the **Objective** that are specified in Appendix C.5.3 to this **FSP**.

4.4.3.3 Adjustment to Area Not to be Harvested

Despite Paragraph 4.4.3.2:

- (a) if the amount of old forest in the landscape unit on the **Legislated Planning Date** is below $IA \times P$, as those variables are defined in Appendix C.5.3 to this **FSP**:
 - (i) the existing amount of old forest of the age specified in the **Objective** within the landscape unit and **BEC** to which this **FSP** applies and in which the harvesting occurs that the **Holders of this FSP**, collectively, will not harvest will be that existing amount; and
 - (ii) the **Holders of this FSP** will propose a recruitment strategy to the minister responsible for the **Objective** and, if approved by the minister, the Holders of this FSP will apply that strategy; and
- (b) if after the **Legislated Planning Date**:

- (i) the **Objective** is amended to reduce the amount, by area, of old forest of the age specified in the Objective within a landscape unit and BEC relevant to this FSP to be retained;
- (ii) the proportion of the area, to which the Objective and this FSP applies, that is subject to a licence referred to in Paragraph 1.1 is reduced; or
- (iii) the amount by area, of old forest of the age specified in the Objective within a landscape unit and BEC to which the Objective and this FSP applies that is included within a protected area increase,

the amount, by area, of old forest of the age specified in the **Objective** within a landscape unit and **BEC** to which the **Objective** and this **FSP** applies that the **Holders of this FSP**, collectively, will not harvest will be based on a reduced amount calculated in accordance with Appendix C.5.3 to this **FSP**.

4.4.3.4 Where Result or Strategy Does Not Apply

Paragraphs 4.4.3.2 and 4.4.3.3 do not apply:

- (a) in a landscape unit where:
 - (i) the minister responsible for the **Objective**, or a delegate of that minister, specifies that a draft old growth management area meets the intent of the **Objective**; and
 - (ii) each **Holder of this FSP** will supply the **Ministry** with changes to a draft old growth management area that meets the intent of the **Objective** on an annual basis by the end of the calendar year;
- (b) in a landscape unit in which an old growth management area exists; or
- (c) to limit or prevent harvesting of an area identified on the **FSP Map** as an area subject to section 196(1) of the **Act**.

4.4.4 Cutblock Size and Adjacency

REFERENCE INFORMATION FOR OBJECTIVE RE CUTBLOCK SIZE AND ADJACENCY UNDER VILUP				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
9	Land Use Objective	VILUP (see list of objectives below)	Order of Ministers of Forests, Environment, Lands and Parks & Energy and Mines	December 1, 2000
Summary of Objective for Cutblock Size and Adjacency under VILUP (Objective #9 in this FSP)				
<p>VILUP Objective 1(c): In SMZ's 14, 18, 17 and 21 (Objective also covers SMZ 1-11, 12, 13, 19, 20, 22, but this FSP does not), sustain forest ecosystem structure and function by applying a variety of silvicultural systems, subject to a maximum cutblock size of 5 hectares or 40 hectares, depending on system.</p>				
<p>VILUP Objective 2: Despite VILUP Objective 1(c), larger block sizes can be approved to recover damaged timber, providing where possible structural characteristics of natural disturbances.</p>				
<p>VILUP Objective 7: In EFZ's 38, 42, 43, and 44, to increase the short term availability of timber:</p> <p>(a) a cutblock may be larger than 40 hectares pursuant to section 11(2)(a) of the Operational Planning Regulation [now repealed]; and</p> <p>(b) pursuant to section 68(4) of the Operational Planning Regulation [now repealed], a cutblock is greened-up if it is adequately stocked and the average height of those trees that are</p> <p style="padding-left: 40px;">(i) the tallest tree in each 0.01 hectare plot included in a representative sample, and</p> <p style="padding-left: 40px;">(ii) a commercially valuable species or other species acceptable to the district manager</p> <p>is at least 1.3 meters.</p>				
REFERENCE INFORMATION FOR OBJECTIVE RE CUTBLOCK SIZE AND ADJACENCY AT LANDSCAPE LEVEL				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
10	Act s.149	FPPR s.9	N/A	January 31, 2004
Summary of Objective #10 in this FSP				
Without unduly reducing the supply of timber from BC's forests and, to extent practicable, design areas of harvesting that resemble patterns of natural disturbance at landscape level.				

RESULT OR STRATEGY FOR OBJECTIVES RE CUTBLOCK SIZE AND ADJACENCY (OBJECTIVES #9 AND 10 IN THIS FSP)**4.4.4.1 Cutblock Size and Adjacency: Adopting Regulation Provisions as Result or Strategy**

For the purposes of sections 12.4(1) and (2) of the **FPPR**, and subject to Paragraphs 4.4.4.2 to 4.4.4.5, each **Holder of this FSP** adopts sections 64(1) and 65(2) of the **FPPR** as a result or strategy under this **FSP**, as those sections are affected by sections 64 (2) to (4) and 65(1), (3) and (4) of the **FPPR**, respectively.

4.4.4.2 Variations from Cutblock Size Due to VILUP (VILUP Objectives 1(c), 2 and 7)

Despite Paragraph 4.4.4.1, a **Holder of this FSP**:

- (a) in respect of the size of the **net area to be reforested** for a **Cutblock** that is partially or entirely within any of **SMZ** 14, 17, 18 and 21 established by the **VILUP**, and that remains in effect:
 - (i) will, subject to clause (iii), if clearcut, clearcut with **Reserves** or seed tree silvicultural systems are applied, ensure the **net area to be reforested** does not exceed 5 hectares;
 - (ii) will, subject to clause (iii), if shelterwood, selection or retention silvicultural systems are applied, ensure the **net area to be reforested** does not exceed 40 hectares; or
 - (iii) may, if the **Cutblock** is being harvested to recover timber that was damaged by fire, insects, wind or other similar events, exceed the 5 hectare and 40 hectare limits in clauses (i) and (ii) provided that, wherever possible, the **Cutblock** incorporates structural characteristics of natural disturbances;
- (b) will, for the **Cutblocks** to which subparagraph (a) (i) or (a) (ii) applies, use a variety of the silvicultural systems, patch sizes and patch shapes referred to in that subparagraph over the **Term** and over the **Applicable SMZ's** in which the subparagraph applies; and
- (c) in respect of the size of the **net area to be reforested** for a **Cutblock** that is entirely within an Enhanced Forestry Zone established by the **VILUP**:
 - (i) if the **Cutblock** is not within an area designated as a community watershed, may, for the purpose of increasing the short term availability of timber or of increasing harvest flexibility, cause that **net area to be reforested** to exceed 40 hectares; and
 - (ii) may, treat the non-greened up portion of an **existing cutblock** adjacent to a **new cutblock** as part of the **net area to be reforested** of the **new cutblock**.

4.4.4.3 Stocking for Adjacency to be Based on 100 Tallest Trees Per Hectare

For the purpose of adopting section 65(2)(a) of the **FPPR** as a result or strategy under Paragraph 4.4.4.1 of this **FSP**, as that section is affected by section 65(3)(a) of the **FPPR**, the reference in section 65(3)(a) for the purposes of section 65(2)(a) to “the tallest 10% of the trees on the area” is changed to “the 100 tallest trees per hectare on the area”.

4.4.4.4 Variation from Adjacency Due to VILUP

For the purpose of adopting section 65(2)(a) of the **FPPR** as a result or strategy under Paragraph 4.4.4.1 of this **FSP**, as that section is affected by section 65(3) of the **FPPR**, for an **existing cutblock** that is entirely within an Enhanced Forestry Zone established by the **VILUP**, section 65(3) of the **FPPR** will not apply for the purposes of section 65(2)(a), and is replaced with the following requirements:

- (a) at least 75% of the **net area to be reforested** of the **existing cutblock** is stocked such that the average height of the 100 tallest trees per hectare on the area is a minimum of 1.3 metres and is stocked in accordance with the applicable stocking standards for that **Cutblock**;
- (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 100 tallest trees per hectare on the area is a minimum of 1.3 meters, and
 - (iii) is stocked in accordance with the applicable stocking standards for that **Cutblock**.

4.4.4.5 Adjacency for Variable Retention

For the purposes of adopting section 65(2) of the **FPPR** as a result or strategy under this **FSP**, the prohibition on harvesting timber in a **new cutblock** under that section 65 (2) does not apply if:

- (a) at least 40% of the basal area that was on the **existing cutblock** before timber harvesting remains on the **existing cutblock** on the **commencement date** for the **new cutblock**, or
- (b) on the **commencement date** for the **new cutblock**, no point within the **net area to be reforested** of the **existing cutblock** is:
 - (i) more than two tree lengths from either:
 - (A) the **Cutblock** boundary, or
 - (B) a group of trees reserved from harvesting that is greater than or equal to 0.25 hectares in size, or

- (ii) more than one tree length from:
 - (A) a single tree; or
 - (B) a group of trees reserved from timber harvesting that is less than 0.25 hectares in size.

4.4.5 Wildlife Tree Retention (Landscape Unit Objectives and FPPR s.9.1)

REFERENCE INFORMATION FOR OBJECTIVE RE WILDLIFE TREE RETENTION IN SPECIFIC LANDSCAPE UNITS				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
11 (# applies to all objectives listed collectively)	Land Use Objective	FPC Act s.4 Bunster Landscape Unit Objective	Order of District Manager dated September 21, 2000	Sept 22, 2000
	Land Use Objective	FPC Act s.4 Lois Landscape Unit Objective	Order of MSRM Regional Director dated December 2, 2002	December 2, 2002
	Land Use Objective	FPC Act s.4 Powell-Daniels Landscape Unit Objective	Order of District Manager dated January 25, 2002	January 25, 2002
	Land Use Objective	FPC Act s.4 Powell Lake Landscape Unit Objective	Order of MSRM Regional Director dated December 2, 2002	December 2, 2002
	Land Use Objective	Land Act s.93.4 Caycuse, Nitinat, and Walbran Landscape Unit Objectives	Order of ILMB Regional Director dated September 7, 2005	February 22, 2007
	Act s.149	FPPR s.9.1	N/A	January 31, 2004 (amended December 13, 2004)
Summary of Objective re Wildlife Tree Retention(Objective #11 in this FSP)				
<p>In Specified Landscape Units: Each of these objectives specifies an amount by % and by BEC of wildlife tree retention related to harvesting, in some cases, requiring this to be provided over a period of time and, in other cases, by cutblock. Additional provisions relating to age, value and distribution are also included and vary among the objectives.</p> <p>Under FPPR s.9.1: Without unduly reducing the supply of timber from BC's forests, retain wildlife trees.</p>				

**RESULT OR STRATEGY FOR OBJECTIVE RE WILDLIFE TREE RETENTION
(OBJECTIVE #11 IN THIS FSP)**

4.4.5.1 Amount of Wildlife Tree Retention

- (a) Subject to Paragraph 4.4.5.2, if harvesting a **Cutblock** in **FDU #1**, a **Holder of this FSP** will: for the landscape units and BEC subzone or variant listed in the following table, ensure that the total amount of area covered by wildlife tree retention areas that relate to the **Cutblock** is a minimum of the percentage specified in the table:

Landscape Unit	% Retention by BEC Subzone or Variant and by Cutblock											
	CDF mm	CWH dm	CWH mm1	CWH mm2	CWH vh	CWH vm	CWH vm1	CWH vm2	CWH xm	CWH xm1	MH mm	MH mm1
Bunster	7	10	-	-	-	-	-	10	-	8	-	6
Lois	-	14	-	-	-	14	-	-	12	-	11	-
Powell- Daniels	-	11	-	-	-	10	-	-	-	-	4	-
Powell Lake	-	10	-	-	-	12	-	-	-	-	8	-

- (b) for the landscape units and BEC subzone or variant listed in the following table, ensure that the total amount of area covered by **wildlife tree retention** area that relates to all **Cutblocks** harvested during the 60-month period beginning on April 1, 2007 or during the term of the applicable licence referred to in Paragraph 1.1 whichever period ends earlier, and each subsequent 60-month period thereafter, is a minimum of the percentage specified in the following table (where the amount contributed by each such **Cutblock** is measured at the conclusion of harvesting the **Cutblock**):

Landscape Unit	% Retention by Landscape Unit and BEC Subzone or Variant for all Cutblocks combined harvested during period											
	CDF mm	CWH dm	CWH mm1	CWH mm2	CWH vh	CWH vm	CWH vm1	CWH vm2	CWH xm	CWH xm1	MH mm	MH mm1
Caycuse	-	-	14	14		11	11	11	14	14	4	4
Nitinat	-	-	14	14	2	12	-	-	15	15	4	4
Walbran	-	-	-	-	-	6	-	-	-	-	0	0

and

- (c) for the purposes of section 12.5(1) of the FPPR, 7% for a **Cutblock** in any other landscape unit.

4.4.5.2 Basis of Wildlife Tree Retention

The amount of retention specified in Paragraph 4.4.5.1 is applied:

- (a) on the total of:

- (i) the **net area to be reforested**; and
 - (ii) the area of all roads,
- as follows:
- (i) in the case of Paragraph 4.4.5.1(a), of each **Cutblock** referred to in that Paragraph; and
 - (ii) in the case of Paragraph 4.4.5.1(b), over all **Cutblocks** harvested in the applicable BEC subzone or variant of the applicable landscape unit;
- (b) as of the completion of harvesting in the applicable **Cutblocks** referred to in subparagraphs (a)(i) and (ii); and
- (c) in a **Cutblock** that:
- (i) is referred to in subparagraph (a)(i) or (ii); and
 - (ii) includes more than one **BEC** subzone or variant,
- on the basis of the proportion of each **BEC** subzone or variant within the **Cutblock**, as specified in the site plan for the cutblock.

4.4.5.3 Characteristics of Wildlife Tree Retention Area

A Holder of this FSP will:

- (a) as of the completion of harvesting a **Cutblock** that is subject to the table in Paragraph 4.4.5.1(a), include in the **wildlife tree retention area** that relates to that **Cutblock** a representative component of the trees within the **Cutblock**, based on the following criteria:
 - (i) subject to clause (ii):
 - (A) in the Powell Lake landscape unit, remnant old growth patches, live or dead veteran trees or wildlife trees;
 - (B) in the Powell-Daniels landscape unit, trees from the upper 10% of the diameter range of trees;
 - (C) in the Lois landscape unit, trees meeting the criteria referred to in subclause (A) or (B); and
 - (ii) for a landscape unit referred to in clause (i), trees with characteristics that will provide habitat at least equivalent to the habitat that will be provided by the trees referred to in whichever of clause (i)(A) to (C) apply to that landscape unit; or
- (b) as the conclusion of each period referred to in Paragraph 4.5.5.1(b), for each **BEC** subzone or variant by landscape unit referred to in Paragraph 4.4.5.1(b), ensure that:
 - (i) each **wildlife tree retention area** is well distributed across the **BEC** subzone or variant;

- (ii) each **wildlife tree retention area** is located within or immediately adjacent to a **Cutblock**;
 - (iii) each **wildlife tree retention area** includes, where present, a representative component of remnant old-growth patches and live or dead veteran trees, excluding danger trees; and
 - (iv) each **wildlife tree retention area** includes a representative component of larger trees for the stand (dbh>average operational cruise) and any moderate to high value wildlife trees if present, in each case excluding danger trees.
- (c) as of the completion of harvesting a **Cutblock** that is subject to Paragraph 4.4.5.1(c), include in the **wildlife tree retention area** that relates to that **Cutblock**, a representative component of the trees that are comparable to that **Cutblock**, located 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**.

4.4.5.4 Restrictions on Harvesting Wildlife Tree Retention Areas Without Landscape Unit Objectives

For the purposes of section 12.5(2) of the FPPR, a **Holder of this FSP** will not harvest a **wildlife tree retention area** provided for under Paragraph 4.4.5.1(c) unless the trees on the **net area to be reforested** of the **Cutblock** to which the **wildlife tree retention area** relates have developed attributes consistent with a mature seral condition.

4.4.5.5 Other Management of Wildlife Tree Retention Areas

A **Holder of this FSP** may:

- (a) relocate a wildlife tree retention area, or portion thereof, retained under Paragraph 4.4.5.1 by specifying in a site plan an area, number of trees or habitat that is equivalent to the wildlife tree retention area, or portion thereof, that is being relocated; and
- (b) prune or top trees within a **wildlife tree retention area** that:
 - (i) was retained under Paragraph 4.4.5.1 or relocated under Paragraph 4.4.5.5(a); and
 - (ii) has a high likelihood of windthrow,to maintain the integrity of that **wildlife tree retention area**; and
- (c) salvage in a **wildlife tree retention area** that is referred to in Paragraph 4.4.5.1(b):
 - (i) windthrown timber where windthrow impacts 25% to 50% of the dominant or co-dominant stems in the **wildlife tree retention area**;

- (ii) windthrown timber and remaining standing stems where windthrow exceeds 50% of the dominant or co-dominant stems in the **wildlife tree retention area**; or
- (iii) where forest health issues in the **wildlife tree retention area** pose a significant threat to areas outside the **wildlife tree retention area**,

provided that the **Holder of this FSP** that performs such salvage identifies, concurrently with such salvage, a suitable replacement **wildlife tree retention area** of at least equivalent area to achieve the retention required by Paragraph 4.4.5.1 and characteristics required by Paragraph 4.4.5.3.

4.5 CULTURAL HERITAGE (FPPR s.10)

REFERENCE INFORMATION FOR OBJECTIVE RE CULTURAL HERITAGE RESOURCES				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
12	Act s.149	FPPR s.10	N/A	Jan. 31, 2004
Summary of Objective re Cultural Heritage Resources (Objective # 17 in this FSP)				
Conserve or, if necessary, protect cultural heritage resources that are the focus of traditional use and continuing importance to an aboriginal people and not regulated under the <i>Heritage Conservation Act</i> .				

RESULT OR STRATEGY FOR OBJECTIVE RE CULTURAL RESOURCES (OBJECTIVE #12 IN THIS FSP)

4.5.1 Definitions and Interpretation

In:

- (a) Paragraphs 4.5.1 to 4.5.3:
 - (i) **“First Nation CHR Information”** means written information regarding a **Potentially Affected CHR** within **FDU #1** provided to the **Holder of this FSP** by a First Nation affected by this **FSP**:
 - (A) prior to review and comment pertaining to the proposed form of this **FSP** under section 20 of the **FPPR**;
 - (B) during review and comment pertaining to the proposed form of this **FSP**, in accordance with section 21 of the **FPPR**; or
 - (C) during the **Term** of this **FSP**; and
 - (ii) **“Potentially Affected CHR”** means a **cultural heritage resource** that:

- (A) is subject to section 10 of the **FPPR**; and
 - (B) is:
 - (I) in the case of a **Treaty First Nation**, the subject of an aboriginal right of that **Treaty First Nation** set out in the **Treaty First Nation’s Final Agreement**; or
 - (II) in the case of a First Nation other than a **Treaty First Nation**:
 - (1) not conserved or protected by other arrangements;
 - (2) capable of being addressed in the context of this **FSP**; and
 - (3) important, valuable and scarce:
 - a. based on traditional use by the First Nation; and
 - b. determined from **Government** consultation with a First Nation regarding **First Nation CHR Information** it has provided;
- (b) this Part 4.5:
- (i) **“Final Agreement”** means:
 - (A) in the case of a **Maa-nulth First Nation**, the **Maa-nulth First Nations Final Agreement**; and
 - (B) in the case of the **Tla’amin Nation**, the **Tla’amin Final Agreement**;
 - (ii) **“First Nation Area of Interest”** means provincial Crown land that is:
 - (A) within **FDU #1**;
 - (B) in the case of:
 - (I) a **Maa-nulth First Nation**, within the **Maa-nulth First Nation Area** of that **Maa-nulth First Nation**; or
 - (II) the **Tla’amin Nation**, within the **Tla’amin Nation Area**; and
 - (1) not subject to an agreement under the **Forest Act** held by a person other than the **Holder of this FSP**;
 - (iii) **“Monumental Cedar and Cypress Harvesting Allocation”** means, for a **Treaty First Nation**, that portion of an allocation under or pursuant to a **Monumental Cedar and Cypress** harvesting agreement entered into by that **Treaty First Nation** under the **Final Agreement** of that **Treaty First Nation** to harvest **Monumental Cedar and Cypress** that is attributable to the **First Nation Area of Interest** of that **Treaty First Nation**;

- (iv) “**Maa-nulth First Nations Final Agreement**” has the meaning given it in the *Maa-nulth First Nations Final Agreement Act*, S.B.C. 2007, c.43;
 - (v) “**Maa-nulth First Nation**” and “**Maa-nulth First Nation Area**” have the meanings given to them in the **Maa-nulth First Nations Final Agreement**; and
 - (vii) “**Monumental Cedar and Cypress**” has the meaning given it:
 - (A) in the case of a **Maa-nulth First Nation**, in the **Maa-nulth First Nations Final Agreement**; and
 - (B) in the case of the **Tla’amin Nation**, in the **Tla’amin Final Agreement**;
 - (viii) “**Tla’amin Final Agreement**” has the meaning given it in the *Tla’amin Final Agreement Act*, S.B.C. 2013, c.2;
 - (ix) “**Tla’amin Nation**” and “**Tla’amin Nation Area**” have the meanings given to them in the **Tla’amin Final Agreement**; and
 - (x) “**Treaty First Nation**” means a **Maa-nulth First Nation** or the **Tla’amin Nation**, as the context requires;
- (c) Paragraph 4.5.2, the reference to availability to, and the historical extent of traditional use by, a First Nation means such availability and use at the level of the asserted traditional territory of that First Nation.

4.5.2 Conserving and Protecting Cultural Heritage Resources

The **Holder of this FSP** will:

- (a) when constructing a road or harvesting a **Cutblock** to which this **FSP** applies, not cause the availability of a **Potentially Affected CHR** to a First Nation to be less than the historical extent of the traditional use by that First Nation or **Treaty First Nation**; and
- (b) if a previously unidentified **Potentially Affected CHR** is encountered, modify to the extent necessary;
 - (i) activities to mitigate the impact the timber harvesting or road construction to which this **FSP** applies might have on that **Potentially Affected CHR**; and
 - (ii) the design of the **Cutblock** or road to conserve or protect that **Potentially Affected CHR**;

where the **Potentially Affected CHR** was determined before the date the cutting permit or road permit authorizing such harvesting or construction was issued.

4.5.3 Information Gathering and Sharing

The **Holder of this FSP** will, at least once each calendar year, beginning in the calendar year after this **FSP** comes into effect:

- (a) for:
 - (i) each **Treaty First Nation** that has a **First Nation Area of Interest**; and
 - (ii) each First Nation, other than a **Treaty First Nation**, with asserted traditional territory within **FDU #1**,do the following:
 - (iii) identify the approximate location of planned **Cutblocks** and roads, if any, to which this **FSP** applies that are within that:
 - (A) **First Nation Area of Interest**, in the case of that **Treaty First Nation**; or
 - (B) asserted traditional territory, in the case of a First Nation other than a **Treaty First Nation**,and not previously identified by the **Holder of this FSP** to that First Nation;
 - (iv) request from that First Nation information regarding any **Potentially Affected CHR** not previously provided by the First Nation to the **Holder of this FSP**; and
 - (v) if information has been identified under subparagraph (a)(iii), request a meeting with that First Nation to review that information;
- (b) provide to the **Ministry First Nation CHR Information** not previously provided by the **Holder of this FSP** to the **Ministry**; and
- (c) request from the **Ministry** updated information regarding any **Potentially Affected CHR** and any determination referred to in Paragraph 4.5.1(a)(ii)(B)(II)(3) that has not already been provided by the **Ministry** to the **Holder of this FSP**.

4.5.4 Cultural Cedar

The **Holder of this FSP** will:

- (a) plant, or promote natural regeneration of, cedar as a component of future stands on areas where:
 - (i) the **Holder of this FSP** has an obligation under section 29(1) of the **Act**;
 - (ii) cedar is ecologically suited; and
 - (iii) doing so is consistent with the obligations under that section; and
- (b) if requested by:
 - (i) a **Treaty First Nation**, assist that **Treaty First Nation** in locating **Monumental Cedar and Cypress** in respect of its **Monumental Cedar and Cypress Harvesting Allocation**; or
 - (ii) a First Nation, other than a **Treaty First Nation**, with asserted traditional territory within **FDU #1** that has historically utilized

western red cedar or yellow cedar from that traditional territory for making paddles, masks, totems, canoes or other similar traditional use items, and to the extent of such historical use, assist that First Nation in locating cedar trees and obtaining logs suitable for such purpose.

4.6 VISUAL QUALITY

REFERENCE INFORMATION FOR OBJECTIVE RE VISUAL QUALITY				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
13 (# applies to all objectives listed collectively)	FPC Grandparented	For established scenic area in Sunshine Coast Timber Supply Area (Act s.180(1)(c) and 181)	Letter from District Manager dated May 16, 1997 Amended by letter from District Manager dated June 22, 1999	April 22, 1997 June 4, 1999
	Objective established under GAR	GAR s.7(2) For established scenic areas in South Island Forest District	Order of District Manager dated December 30, 2011	December 30, 2011
	Objective established under GAR	GAR s. 7(2) For established scenic areas in the Sunshine Coast Forest District	Order of the District Manager dated June 19, 2009	June 19, 2009
Summary of Objective re Visual Quality (Objective #13 in this FSP)				
To ensure all forest harvesting and road building is consistent with the legally established Visual Quality Objectives, as defined in Categories of visually altered forest landscape, FPPR section 1.1.				

RESULT OR STRATEGY FOR OBJECTIVE RE VISUAL QUALITY (OBJECTIVE # 13 IN THIS FSP)

4.6.1 Definition

In Paragraphs 4.6.2 to 4.6.4:

- (a) **“Category of Alteration”** refers to the visual quality objective that is legally established by order under section 7(2) of the **GAR** approved by **Government**.
- (b) **“Significant Public Viewpoint”** means the viewpoint that is 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. The location should offer the best or most direct view of the alteration.

4.6.2 Cutblocks and Roads Will Be Consistent with Characteristics Applicable to Categories of Alteration

Subject to Paragraphs 4.6.3 to 4.6.4, if a **Holder of this FSP** harvests timber or constructs a road pursuant to this **FSP** within an area in **FDU #1** having a **Category of Alteration**, the **Cutblock** or road will, at the conclusion of harvesting, be consistent with the characteristics applicable to that **Category of Alteration** or applicable to a **Category of Alteration** above it, as set out in the following table:

Category of Alteration	Characteristics of Cutblock or Road
Preservation	(i) very small in scale; and (ii) not easily distinguishable from the pre-harvest landscape
Retention	(i) difficult to see; (ii) small in scale; and (iii) natural in appearance
Partial Retention	(i) easy to see; (ii) small to medium in scale; and (iii) natural and not rectilinear or geometric in shape
Modification	(i) very easy to see; and (ii) is: (A) large in scale and natural in appearance; or (B) small to medium in scale but with some angular characteristics
Maximum Modification	(i) very easy to see; and (ii) is: (A) very large in scale; (B) rectilinear and geometric in shape; or (C) both

4.6.3 Application of Characteristics

The characteristics for a **Cutblock** or road specified in Paragraph 4.6.2 are assessed:

- (a) from the **Significant Public Viewpoint** applicable to the **Cutblock** or road; and
- (b) evaluated to the perspective landform(s).

4.6.4 Exceptions Where Alternative Characteristics Permitted

The licensee may apply for an exemption under section 12(7) of the **FPPR** to construct a road or harvest a **Cutblock** in a manner that produces a **Category of Alteration** that is not consistent with the objective, where it is not practicable to meet that **Category of Alteration**.

4.7 RECREATION

REFERENCE INFORMATION FOR OBJECTIVES RE RECREATION				
Objective # (in this FSP)	Type of Objective	Category / Source	Decision Creating Objective	Effective Date of Objective
14 (applies to all objectives collectively)	FPC Grandparented	Grandparented by Act s.181	Beta Lake Trail Project 900-0294	July 31, 1998
	FPC Grandparented	Grandparented by Act s.181	Powell Forest Canoe Route Project 900-0488	July 31, 1998 Varied as of May 31, 2003
	FRPA	FRPA s. 56	Powell River Winter Recreation Area Recreation Trail System Project 16660-20/6512 aka. Knuckleheads	October 6, 2004
	FPC Grandparented and under FRPA	Grandparented by Act s. 181 FRPA s. 56	Sunshine Coast Trail Project 16660-20/16104	April 25, 1997 Varied as of Sept 2, 2009
Summary of Objectives re Recreation (Objective #14 in this FSP)				
To work cooperatively with recreational user groups in the realization of established management principles or objectives for recreation trails and sites.				

RESULT OR STRATEGY FOR OBJECTIVES RE RECREATION (OBJECTIVE #14 IN THIS FSP)

4.7.1 Definition

In Paragraph 4.7.2, “**Recreation Trail**” means the following recreation trails:

- (a) Beta Lake recreation trail as shown on the map of Recreation Project 900-1-294 dated January 14, 1981;
- (b) Powell Forest Canoe Route portage trails, as shown on the six maps of recreation Project 900-1-3-488 dated February 4, 2003;
- (c) Knuckleheads recreation trail system dated October 6, 2004, as shown on the SFO FSP map #8.
- (d) Sunshine Coast Trail system dated September 2, 2009 as shown on the SFO FSP maps #7 and 8.

unless and to the extent **Government**, after the **Legislated Planning Date**, cancels or deletes a portion of any such recreation trail, in which case, that

recreation trail will be limited to the portion of the recreation trail that remains in effect.

4.7.2 Management Strategies On or Near Recreation Trails

A **Holder of this FSP** will:

- (a) follow approved Management Strategies or Principles that exist for a **Recreation Trail** to meet or exceed the requirements under the applicable strategy; otherwise,
- (b) not harvest timber within 10 meters on either side of the center line of a **Recreation Trail** except if necessary to:
 - (i) fall or remove a danger or hazard tree to protect public or worker safety; or
 - (ii) construct a road crossing the trail.

4.8 RESULT OR STRATEGY APPLICABLE TO FDU #2

A **Holder of this FSP** will not harvest timber or construct roads within **FDU #2** except pursuant to cutting permits and road permits that, under Part 11 of the **Act**, are, except as provided under Paragraph 1.3(c) of this **FSP**, subject to the **FPC**.

5.0 STOCKING (Act s.29 AND FPPR ss.16, 26, 44 AND 45)

REFERENCE INFORMATION REGARDING STOCKING

A holder of a Forest Stewardship Plan must, on cutblocks harvested under an FSP, establish a free growing stand in accordance with the FSP. The FSP must specify the regeneration date and stocking standards and free growing height and stocking standards that will apply to this obligation. If specified in an FSP, these stocking standards may apply to areas harvested before the FSP commenced.

5.1 ELECTION: STOCKING ON BASIS OF INDIVIDUAL CUTBLOCKS (FPPR ss.16(1) AND 44(1))

5.1.1 Individual Cutblock Basis

For the purposes of section 16(1) of the **FPPR**, section 44(1) of the FPPR will apply in all relevant situations or circumstances under this **FSP**.

5.2 GENERAL STANDARDS

5.2.1 Species

For the purpose of meeting the obligation of a **Holder of this FSP** to establish a free growing stand on areas to which this FSP applies, that **Holder of this FSP**:

- (a) subject to subparagraph (b), will use the species that are listed in Appendix D.1 to this **FSP**; or
- (b) as an alternative to the species referred to in subparagraph (a), may use alder and other species in the circumstances referred to, and as provided for, in Paragraph 5.2.7.

5.2.2 Regeneration Date (FPPR ss.16(3)(a) and 44(1)(a))

Subject to Paragraph 5.2.6, for the purposes of this **FSP**, the period referred to in the definition of **regeneration date** in the **FPPR**:

- (a) will, subject to subparagraph (b), be not more than 6 years; or
- (b) may, if an event referred to in Paragraph 7.2.1 occurs, be longer than 6 years and will conclude as soon as practicable thereafter.

5.2.3 Stocking Level (FPPR ss.16(3)(a) and (b) and 44(1)(a) and (b))

Subject to Paragraph 5.2.6, for the purposes of this **FSP**, the stocking level for the stocking standards referred to in sections 16(3)(a) and (b) and 44(1)(a) and (b) of the **FPPR**, is as follows:

- (a) subject to subparagraph (b):
 - (i) an average for a **standards unit** of not less than 600 **Crop Trees** per hectare; and
 - (ii) a target for a **standards unit** of not more than a stocking level consistent with the timber supply analysis and related forest management assumptions that pertain to the **standards unit** as of the **Legislative Planning Date**, unless a higher target is:
appropriate to ensure consistency with any other provision in this **FSP**;
 - (A) consistent with maintaining or enhancing an economically valuable supply of commercial timber from British Columbia's forests;
 - (B) reasonable, having regard to the future timber supply for the area; or
 - (C) the most practicable option;
- (b) 50% of the amount specified in subparagraph (a)(i) in a **standards unit** where:
 - (i) 50% or more of **Crop Trees** are damaged by Roosevelt Elk ("**Heavy Elk Use**"); and
 - (ii) all practicable options have been taken to meet the amount specified in subparagraph (a)(i), including but not limited to;
 - (A) fill planting browse resistant **Crop Trees**; or
 - (B) seedling protection.

5.2.4 Minimum Horizontal Intertree Distance (FPPR ss.16(3)(a) and (b) and 44(1)(a) and (b))

Subject to Paragraph 5.2.6, for the purposes of this **FSP**, the minimum horizontal intertree distance for the stocking standards referred to in sections 16(3)(a) and (b) and 44(1)(a) and (b) of the **FPPR**:

- (a) will, subject to subparagraph (b), be 2 metres;
- (b) may, in the situations or circumstances listed in the following table, be reduced to 1.5 metres:

Situations or Circumstances Where 1.5 metre Minimum Horizontal Intertree Distance Applies	
(i)	< 20 metres from road centreline;
(ii)	immediately adjacent to any: <ul style="list-style-type: none"> (A) stream – riparian area; (B) natural non productive area; (C) unplantable slash that has been mechanically piled or results from helicopter operations where slash treatment is not practicable; or
(iii)	on any: <ul style="list-style-type: none"> (A) talus site; (B) hygric or wetter site; (C) very harsh site where protected microsites are critical; (D) area where stump avoidance is necessary on a root rot site; (E) area extensively utilized for grizzly bear, deer or other wildlife habitat or browse; or (F) area directly adjacent to the dripline of retained trees.

5.2.5 Free Growing Height (FPPR ss.16(3)(b) and 44(1)(b))

Subject to Paragraph 5.2.6, for the purposes of this **FSP**, the free growing height referred to in sections 16(3)(b) and 44(1)(b) of the **FPPR** is a height not less than the minimum specified in Appendix D.1 to this **FSP**.

5.2.6 Hardwood Stocking

Despite Paragraphs 5.2.2 to 5.2.5, a **Holder of this FSP** may establish a free growing stand on a **standards unit** in accordance with Appendix D.2 to this **FSP** provided that, by doing so, the total area that:

- (a) is so established under this **FSP**; and
- (b) pertains to a licence referred to in Paragraph 1.1,

does not exceed 4 percent of the total area harvested under that licence:

- (a) during the **Term**; and
- (b) to which this **FSP** applies.

5.2.7 Application to Cutblocks Where Harvesting Began Before Term Commences (Act s.197(5))

Without limiting the generality of Paragraph 1.3(a), but for greater certainty, a **Holder of this FSP** may, by notice given under that Paragraph, specify that Part 5 of this **FSP** applies to a **Cutblock** subject to section 197(5) of the **Act**, whether or not the cutting permit that pertained to the **Cutblock** expired before the

commencement of the term of the forest stewardship plan referred to in section 197(1) of the **Act**.

5.3 STOCKING STANDARD FOR AREA SUBJECT TO INTERMEDIATE CUTTINGS (FPPR ss.16(4) AND 44(4))

For the purposes of section 16(4) of the **FPPR**, a **Holder of this FSP** will:

- (a) utilize single tree selection, or harvesting of ***special forest products*** to which this FSP applies, to increase the timber availability from the productive forest landbase;
- (b) limit its single tree selection to which this **FSP** applies:
 - (i) to a total area in each calendar year of the **Term** (or proportionately less in the first or last year of the **Term** if the **Term** commences after January 1 or ends before December 31, respectively), of less than 0.1% of the timber harvesting landbase within **FDU #1**; and
 - (ii) to areas of unstable terrain, defined by a Risk category of High or Moderate in Part 1 subparagraph (f) of Appendix C.3, to follow a management strategy in regards to a **Recreation Trail**, or a **Category of Alteration** of Preservation or Retention ; and
- (c) for each ***standards unit*** in which it carries out timber harvesting referred to in subparagraph (a), for a period of 12 months after completion of harvest:
 - (i) remove less than 50% of the basal area that existed on that ***standards unit*** at the commencement of the harvesting;
 - (ii) not cause the total yield of that ***standards unit*** to be less than that yield had the harvesting not occurred;
 - (iii) retain at the conclusion of the harvesting not less than 50% of the basal area of each tree species that existed on the ***standards unit*** at the commencement of the harvesting;
 - (iv) retain at the conclusion of harvesting trees of form, health and vigor representative of the original stand condition; and
 - (v) create an opening size not more than 0.1 hectares.

6.0 MEASURES FOR INVASIVE PLANTS (Act s.47 AND FPPR s.17)

REFERENCE INFORMATION REGARDING MEASURES
A Forest Stewardship Plan must specify measures to prevent the introduction and spread of invasive plants caused by the forest practices of the holder of the FSP.

6.1 DEFINITION

In Paragraphs 6.2 and 6.3, “**Site at Risk**” means a specific site within **FDU #1** where a **Holder of this FSP** during the **Term**:

- (a) does any of the following activities:
 - (i) constructs a road or a landing to which this **FSP** applies;
 - (ii) displaces the forest floor during harvesting of a **Cutblock** to which this **FSP** applies; or
 - (iii) maintains or reconstructs a road that is subject to a road permit and to which this **FSP** applies; and
- (b) in carrying out an activity:
 - (i) referred to in subparagraph (a)(i) or (ii):
 - (A) more than 0.25 contiguous hectare of mineral soil is disturbed and, at the time of the disturbance, the specific site of disturbance contains or is within 100 meters slope distance of a specific site that contains:
 - (I) gorse;
 - (II) giant knotweed;
 - (III) Japanese knotweed; or
 - (IV) scotch broom; or
 - (B) more than 0.1 contiguous hectare of mineral soil is disturbed and, at the time of the disturbance, the specific site of disturbance:
 - (I) contains or is within 500 meters slope distance of a specific site that contains:
 - (1) gorse;
 - (2) giant knotweed;
 - (3) Japanese knotweed; or
 - (4) scotch broom; and
 - (II) is within 1 kilometer of an Agricultural Land Reserve; or

- (ii) referred to in subparagraph (a)(iii), where the **clearing width** of the road contains:
 - (A) giant knotweed; or
 - (B) Japanese knotweed.

6.2 IDENTIFYING SITES AT RISK

Each **Holder of this FSP** will:

- (a) train staff and contractors to recognize the invasive species that define each **Site at Risk** on an annual basis;
- (b) direct staff and contractors to report new incidences of the invasive species to the **Ministry** Invasive Alien Plant Program Application, at a minimum, that:
 - (i) define each **Site at Risk**; and
 - (ii) if scotch broom;
 - (A) the incidence is 250m² of contiguous area or greater; or
 - (B) is within 500m of an ecological reserve, wildlife habitat area to protect Scouler's Corydalis, Agricultural Land Reserve, Provincial Park, or National Park.
- (c) gather information through the Invasive Alien Plant Program Application of the **Ministry**, to identify each **Site at Risk** pertaining to that **Holder of this FSP** where:
 - (i) an activity referred to in Paragraph 6.1(a) is planned or has occurred since the most recent identification has been undertaken under this Paragraph; and
 - (ii) the **Site at Risk** has not been previously identified under this Paragraph.

6.3 SEEDING DISTURBED AREA OF SITES AT RISK

Each **Holder of this FSP** will seed the area of disturbed mineral soil referred to in Paragraph 6.1(b)(i) and (ii) at each **Site at Risk** pertaining to that **Holder of this FSP** identified under Paragraph 6.2 as follows:

- (a) the seeding will be limited to:
 - (i) those roads and landing surfaces that are no longer being used by industrial users to **harvest** or haul timber; and
 - (ii) those areas where grass grown from the seed will not interfere with tree growth;
- (b) the seeding will be done before the end of the first complete growing season immediately following completion of the relevant activity on that area referred to in Paragraph 6.1(a)(i) or (ii), if subparagraph (a)(i) and (ii) are not applicable; and
- (c) the seed used will be grass seed that meets or exceeds the Canada Common #1 specifications in the Seeds Act R.S.C. 1985, c. S-8.

6.4 EXCEPTIONS TO SEEDING DISTURBED AREAS

Paragraph 6.3 does not apply:

- (a) in the case of road or landing construction referred to in Paragraph 6.1(a)(i), if the road or landing is or was subject to a road permit and the road permit is no longer in effect or the obligations under the road permit have been fulfilled;
- (b) in the case of road or landing construction referred to in Paragraph 6.1(a)(i), if the road or landing is or was subject to a cutting permit if the **regeneration date** pertaining to the **Cutblock**, as determined under Paragraph 5.2.2, has passed; and
- (c) in the case of harvesting referred to in Paragraph 6.1(a)(ii), if the **regeneration date** pertaining to the **Cutblock**, as determined under Paragraph 5.2.2, has passed.

6.5 MANAGEMENT OF SITES AT RISK WITHIN A CLEARING WIDTH

Each **Holder of this FSP** will manage within each **clearing width** referred to in Paragraph 6.1(b)(ii) at each **Site at Risk** pertaining to that **Holder of this FSP** identified under Paragraph 6.2 as follows:

- (a) in the case of roadside vegetation management, the **Site at Risk** will not be disturbed; or
- (b) if the minimum **clearing width** necessary to accommodate the road, in regards to the safety of industrial users, requires roadside vegetation management, a treatment, such as mechanical or chemical control, will be completed at each **Site at Risk** to remove the hazard. The treatment prescribed will be based on site characteristics and site goals and objectives.

7.0 INTERPRETATION, MATTERS AFFECTING THE FSP AND NOTICE

REFERENCE INFORMATION REGARDING INTERPRETATION AND OTHER MATTERS

A Forest Stewardship Plan need not but can include an interpretation provision. This provision can include definitions of terms used in the FSP and specify how the remainder of the FSP may be affected by certain events.

7.1 INTERPRETATION

7.1.1 Definitions

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

- (a) **“Act”** means the *Forest and Range Practices Act*, S.B.C. 2002, c.69;
- (b) **“Applicable SMZ’s”** has the meaning given it in Paragraph 4.4.1.1(c);
- (c) **“BEC”** means the biogeoclimatic ecosystem classification set out in Land Management Handbook No.28, as amended from time to time;
- (d) **“Crop Tree”** means a tree that:
 - (i) is used to meet the requirements under Paragraph 5.2.3; and
 - (ii) meets the requirements of Paragraph 5.2.4;
- (e) **“Cutblock”** means, for any particular area that has been or will be harvested under a cutting permit and to which this **FSP** applies:
 - (i) the *net area to be reforested*;
 - (ii) the *permanent access structures* associated with the area harvested;
 - (iii) areas that are not harvested due to the silvicultural systems applied; and
 - (iv) all **Reserves** associated with the area harvested;
- (f) **“Date of Submission”** means the date this **FSP** is submitted for approval, which is August 29, 2017;
- (g) **“Deactivate”** means work conducted to a road subject to a cutting permit or a road permit issued under a licence referred to in Paragraph 1.1(a)(iii) that:
 - (i) removes all or some stream culverts and bridges;
 - (ii) replaces all or some cross-drain culverts with cross-ditches;
 - (iii) pulls back potentially unstable sidecast fill; or
 - (iv) inslopes or outslopes the road surface.

- (h) “**FDU #1**” means the forest development unit under this **FSP** shown on the **FSP Map** as FDU #1;
- (i) “**FDU #2**” means the forest development unit under this **FSP** shown on the **FSP Map** as FDU #2;
- (j) “**FDU**” means a forest development unit shown on the **FSP Map** and “**FDU’s**” means all forest development units shown on the **FSP Map**;
- (k) “**Forest Act**” means the *Forest Act*, R.S.B.C. 1996, c.157, as it was on the **Legislated Planning Date**;
- (l) “**FPC**” means the *Forest Practices Code of British Columbia Act* R.S.B.C. 1996, c.159 and the regulations made thereunder;
- (m) “**FPPR**” means the Forest Planning and Practices Regulation, B.C. Reg. 14/04;
- (n) “**FRPA**” means the **Act** and the regulations and standards made there under;
- (o) “**FSP**” means Forest Stewardship Plan;
- (p) “**FSP Map**” means the maps attached as Appendix B.1 to this **FSP**;
- (q) “**GAR**” means the Government Actions Regulation, B.C. Reg. 582/04;
- (r) “**Government**” has the meaning given it in the *Interpretation Act* R.S.B.C. 1996, c.38 and, without limiting the foregoing, includes such persons employed by a ministry as the Province of British Columbia or a minister may empower or on whom the Province may impose a duty through legislation or otherwise to represent the Province or to make a decision or to take an action;
- (s) “**Holder of this FSP**” means Western Forest Products Inc. and its successors and assigns, where this **FSP** applies in respect of:
 - (i) Tree Farm Licence 39 Block 1 or Tree Farm Licence 44; or
 - (ii) a Timber Licence listed in Appendix A.1 to this **FSP**;
- (t) “**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 in respect of this FSP, then that different date;
- (u) “**Land Act**” means the *Land Act* R.S.B.C. 1996, c.245;
- (v) “**Legislation**” means **FRPA**, the **Forest Act**, the *Workers Compensation Act* R.S.B.C. 1996, c.492 and any other enactment governing the activities of a **Holder of this FSP** under the **FSP**;

- (w) “**Ministry**” means the Ministry of Forests, Lands and Natural Resource Operations or such other ministry of the Government as may be responsible for FRPA from time to time;
- (x) “**Previous FSP**” means that portion of the forest stewardship plan that commenced on January 4, 2007 and applied to the licences referred to in Paragraph 1.1;
- (y) “**Qualified Registered Professional**” means a person who has the education and experience to carry out an activity, and is a member of, or licensed by, a regulatory body in British Columbia that has the legislated authority to regulate its members or licensees carrying out the activity.
- (z) “**Reserves**” includes wildlife tree patches and riparian reserve zones;
- (aa) “**RMZ**” means a resource management zone established under the **FPC**;
- (bb) “**Silviculture Instructions**” means a documented rationale completed and signed by a **Qualified Registered Professional** to describe the ecology, forest health and planting prescriptions that relate to the *net area to be reforested* of a **Cutblock**.
- (cc) “**SMZ**” means a special management zone established under the **FPC**;
- (dd) “**Term**” means the term of this **FSP** specified in Paragraph 2.1;
- (ee) “**VILUP**” means the Vancouver Island land Use Plan Higher Level Plan Order that took effect December 1, 2000;
- (ff) “**Wildlife Act**” means the *Wildlife Act* R.S.B.C. 1996, c.488.

7.1.2 Definitions from Legislation

In this **FSP**, unless this **FSP** specifies, or the context requires, otherwise words and phrases defined in **FRPA** or the **Forest Act** as of the **Legislated Planning Date**, if shown in bold italics in this **FSP**, have the same meaning as those definitions.

7.1.3 Changes to Legislation

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

7.1.4 Expressions Inclusive

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

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

7.1.5 Organization

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

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

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

7.1.6 Headings, Reference Information and Preamble

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

7.1.7 Appendices Part of FSP

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

7.1.8 Relevant Date for Legislation and Other References

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

- (a) 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 subparagraph (a), but solely by way of illustrating examples, the references to:
 - (i) sections of the **Act** in Paragraphs 1.1, 3.2 and 4.1.3(b);
 - (ii) sections of the **FPPR** in Paragraphs 3.3, 4.1.1, 4.1.2, 4.1.4, 4.2.1.1, 4.3.1.1 to 4.3.1.8, 4.3.2.2, 4.3.3.2, 4.4.1.4, 4.4.4.1 to 4.4.4.5, 4.4.5.4, 4.5.1, 4.5.2, 4.8.1, 5.1.1 to 5.1.3, 5.2.2 to 5.2.7, 5.4, 7.2.4,

7.2.7, Paragraph 4(b) of Appendix C.3, the opening words of Appendix C.4, and Paragraph 2 in Appendix D.2;

- (iii) the definition of “**Notice**” in Paragraph 4.2.1.1(b); and
- (iv) the definitions of or references to legislation in Paragraph 7.1.1, including, without limitation, “**Act**”, “**Forest Act**”, “**FPC**”, “**FPPR**”, “**FRPA**”, “**GAR**”, Invasive Plants Regulation, “**Land Act**”, “**Legislation**” and “**Wildlife Act**”,

are references to those sections, maps, notice, orders and legislation as they were on the **Legislated Planning Date**.

7.1.9 Responsibility

Except where otherwise expressly specified in this **FSP**, a result, strategy, stocking requirement or measure in this **FSP** that applies to an area that is or was within a cutting permit issued, or road permit granted, to a **Holder of this FSP**, applies to that **Holder of this FSP** solely and not to another **Holder of this FSP**.

7.2 MATTERS AFFECTING THE FSP

7.2.1 Forest Investment Account

The provisions of this **FSP** do not apply to a **Holder of this FSP** when carrying out a **forest practice** that is referred to in section 2(1) of the **FPPR**.

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

If:

- (a) a designation referred to in Paragraph 3.3;
- (b) an **established objective**;
- (c) a notice under section 7 of the **FPPR** or a designation of a species identified in such a notice; or
- (d) 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 that designation, objective, notice, species or order no longer applies effective the date it is cancelled or otherwise no longer in effect.

7.2.3 No Prohibition on Activities Otherwise Permitted or Required

Despite any other provision in this **FSP**, nothing in this **FSP** prevents, affects or limits a **Holder of this FSP** from or in respect of:

- (a) topping or pruning a tree that is considered not to be wind firm;
- (b) creating an anchor, tailhold or other similar aid to timber harvesting;
- (c) carrying out an activity permitted by section 4(1.1) of the **FPPR**; or
- (d) without limiting the foregoing, undertaking any other activity that is permitted or required under the **Legislation**, the licences referred to in Paragraph 1.1 or the permits referred to in Paragraphs 1.1 to 1.3.

7.2.4 Protection Provided by FRPA

Except as expressly provided for under Paragraph 1.2 or 1.3, despite any other provision in this **FSP**, an area within an **FDU** is not subject to a result or strategy under Part 4, stocking standard under Part 5 or a measure under Part 6 if:

- (a) 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 the **FSP**;
- (b) section 7(1), 196(1) or 196(2) of the **Act** provides that such area is considered to have received the minister's approval under section 16(1) of the **Act** and, without limiting the foregoing, but for greater certainty, no:
 - (i) result or strategy under Part 4:

- (ii) stocking standard under Part 5; or
- (iii) measure under Part 6,
applies to an area identified on the FSP Map as an area subject to section 196(1) or section 196(2) of the **Act**;
- (c) in respect of a result or strategy, section 2(2) of **GAR** provides that the objective to which it pertains does not apply to the area;
- (d) 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
- (e) **FRPA** otherwise provides that the area is not subject to such component of this **FSP**.

7.2.5 Replacement of this FSP

If an **FSP** submitted for approval by the **Holder of this FSP** (herein called the “**Replacement FSP**”) specifies that this **FSP** will, in whole or in part, be replaced by the **Replacement FSP**, then, if the **Replacement FSP** is approved, this **FSP** will be replaced by the **Replacement FSP** in accordance with the replacement provisions in the **Replacement FSP**.

7.3 NOTICE

If notice is required or permitted to be given under this **FSP** by a **Holder of this FSP** to the **Ministry**, it must be in writing and be given by:

- (a) registered mail;
- (b) delivery by hand;
- (c) telecopier; or
- (d) electronic submission,

addressed as follows:

Ministry of Forests, Lands and Natural Resource Operations

West Coast Region
Suite #103, 2100 Labieux Road
Nanaimo, BC
V9T 6E9

Attention: Regional Executive Director

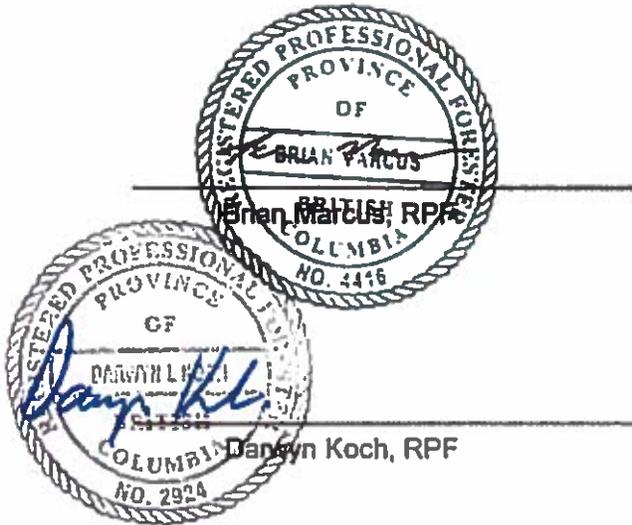
Telephone: (250) 751-7001

Facsimile: (250) 751-7190

E-mail: Forests.CoastRegionOffice@gov.bc.ca

8.0 CERTIFICATION OF SIGNING PROFESSIONAL

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



October 11, 2017

Date

October 11, 2017

Date

9.0 SIGNATURE OF PERSON REQUIRED TO PREPARE PLAN (Act s.5(3))

Western Forest Products Inc.

Per.  _____
Authorized Signatory

OCT 12/2017

Date

APPENDIX A:

MATTERS RELATED TO APPLICATION OF THIS FSP

APPENDIX A.1:

TIMBER LICENCES SUBJECT TO THIS FSP

(Paragraph 1.1(a)(iii) of this FSP)

For the purposes of Paragraph 1.1(a)(iii) of this **FSP**, the timber licences are:

T0048	T0033	T0041
--------------	--------------	--------------

APPENDIX B:

MATTERS RELATED TO MAP AND FDU's

APPENDIX B.1:

MAPS SHOWING FOREST DEVELOPMENT UNITS AND OTHER ITEMS

(Paragraphs 3.1 and 3.3 of this FSP)

APPENDIX B.2:

AREAS EXCLUDED FROM FDU'S

(Paragraph 3.1(b) of this FSP)

For the purposes of Paragraph 3.1(b) of this **FSP**, the areas excluded from the **FDU's** are the following recreation sites, interpretive forest sites and recreation trails:

Description	Type of Site	Decision Creating Site	Effective Date of Decision
Nanton Lake Project 900-0136	Recreation Site	July 23, 1998 order signed by the Chief Forester of BC to Establish Recreation Sites.	July 31, 1998
Dodd Lake Project 900-0137	Recreation Site	July 23, 1998 order signed by the Chief Forester of BC to Establish Recreation Sites.	July 31, 1998
Lois Lake Project 900-0290 (Map #900-0290)	Recreation Site	February 22, 1983 letter to designate a Recreation Site.	February 10, 1983
Ireland Lake Project 900-0292 (varied by order effective May 15, 2003 to move location of site)	Recreation Site	February 22, 1983 letter to designate a Recreation Site. May 15, 2003 letter signed by the Chief Forester of BC to vary a Recreation Site.	February 10, 1983 Varied by Order Dated May 15, 2003
Goat Lake Project 900-0469	Recreation Site	July 23, 1998 order signed by the Chief Forester of BC to Establish Recreation Sites.	July 31, 1998
Windsor Lake Project 900-3013	Recreation Site	July 23, 1998 order signed by the Chief Forester of BC to Establish Recreation Sites.	July 31, 1998
Middle Point Project 900-3016	Recreation Site	July 23, 1998 order signed by the Chief Forester of BC to Establish Recreation Sites.	July 31, 1998
Tony Lake Recreation Site Project 900-0291	Recreation Site	February 22, 1983 letter to designate a Recreation Site.	February 10, 1983
Little Horseshoe Creek Project 900-3017	Recreation Site	July 23, 1998 order signed by the Chief Forester of BC to Establish Recreation Sites.	July 31, 1998
North Dodd Lake Project 900-3023	Recreation Site	July 23, 1998 order signed by the Chief Forester of BC to Establish Recreation Sites.	July 31, 1998

Description	Type of Site	Decision Creating Site	Effective Date of Decision
Beaver Lake Project 900-3023	Recreation Site	July 23, 1998 order signed by the Chief Forester of BC to Establish Recreation Sites.	July 31, 1998
Lewis Lake Recreation Site Project 900-3007	Recreation Site	March 6, 2000 order signed by the Chief Forester of BC to Establish Recreation Sites.	February 29, 2000
Lois Point Recreation Site Project 900-6609	Recreation Site	January 18, 1999 order signed by the Chief Forester of BC to Establish Recreation Sites.	January 28, 1999
Beaver North Recreation Site Project 900-6565	Recreation Site	January 18, 1999 order signed by the Chief Forester of BC to Establish Recreation Sites.	January 28, 1999
Beaver South Recreation Site Project 900-6566	Recreation Site	January 18, 1999 order signed by the Chief Forester of BC to Establish Recreation Sites.	January 28, 1999
Khartoum Lake Recreation Site Project 900-0142	Recreation Site	August 25, 1980 letter to designate a Recreation Site.	August 25, 1980
Nanton Lake North Project 900-3019	Recreation Site	July 23, 1998 order signed by the Chief Forester of BC to Establish Recreation Sites.	July 31, 1998

APPENDIX B.3:

MINOR SALVAGE CUTTING PERMITS HELD BY HOLDER OF FSP

(Paragraph 3.3(j) of this FSP)

For the purposes of Paragraph 3.3(j) of this **FSP**, the cutting permits that are:

- (a) minor salvage cutting permits;
- (b) within one of the **FDU's**; and
- (c) in effect as of the **Date of Submission**,

are:

Licence	Minor Salvage Cutting Permit Number
TFL 39 Block 1	CP 50
TFL 39 Block 1	CP 52
TFL 44	CP 911
TFL 44	CP 914
TFL 44	CP 992
TFL 44	CP993

APPENDIX C:

MATTERS RELATED TO RESULTS AND STRATEGIES

APPENDIX C.1:

ADJUSTMENT TO AREAS NOT TO BE HARVESTED UNDER THIS FSP

Applicable to the Result or Strategy for Objective #4 in this FSP, Pertaining to Conserving Habitat for Identified Species (Paragraph 4.2.1.4 of this FSP)

For the purposes of Paragraph 4.2.1.4 of this FSP, the revised amount will be calculated as follows:

- (a) the revised amount for the **Total Amount** specified in a table in Paragraph 4.2.1.2(a) of this FSP will be calculated as follows:

$$A = \frac{B}{C} \times T$$

where:

A = the revised **Total Amount**;

B = the area that:

- (i) is within **FDU #1**; and
- (ii) covers the natural range of the **Identified Species** known to the **Holder of this FSP**;

C = the total area that:

- (i) is within the district or timber supply area, as the case may be; and
- (ii) covers the natural range of the **Identified Species** known to the **Holder of this FSP**; and

T = the total amount of habitat:

- (i) enumerated in the **Notice**; or
- (ii) if subjectively described rather than enumerated in the **Notice**, an enumerated amount consistent with that subjective description.

- (b) the revised amount for the **THLB Amount** specified in a table in Paragraph 4.2.1.2(a) of this FSP will be calculated as follows:

$$A = \frac{B}{C} \times T$$

where:

A = the revised **THLB Amount**;

B = the area that:

- (i) is within **FDU #1**; and
- (ii) covers the natural range of the **Identified Species** known to the **Holder of this FSP**;

C = the total area that:

- (i) is within the district or timber supply area, as the case may be; and
- (ii) covers the natural range of the **Identified Species** known to the **Holder of this FSP**; and

T = the maximum potential amount of habitat within the timber harvesting land base:

- (i) enumerated in the **Notice**; or
- (ii) if subjectively described rather than enumerated in the **Notice**, an enumerated amount consistent with that subjective description.

APPENDIX C.1.1:

SPATIAL RESERVE MAPS FOR THE FOLLOWING SPECIES, SHOWING AREAS WITHIN THE SUNSHINE COAST DISTRICT AND SUNSHINE COAST TSA WHERE ONLY ACTIVITIES SPECIFIED IN APPENDIX C.1.2 ARE PERMITTED

(Paragraphs 4.2.1.1(g), 4.2.1.2 and 4.2.1.7 of this FSP and Appendix C.1.2 to this FSP)

For the purposes of Paragraphs 4.2.1.1(g), 4.2.1.2 and 4.2.1.7 of this **FSP** and Appendix C.1.2 to this **FSP**, the following Schedules to this Appendix C.1.1 contain the **Spatial Reserve Maps** for the indicated **Identified Species**:

Identified Species	Schedule to this Appendix
Marbled Murrelet	5 to 13
Grizzly Bear	14 to 18

APPENDIX C.1.2:

HARVESTING RESTRICTIONS IN STILLWATER AREAS WITHIN THE SUNSHINE COAST DISTRICT AND THE SUNSHINE COAST TSA

(Paragraph 4.2.1.7 of this FSP)

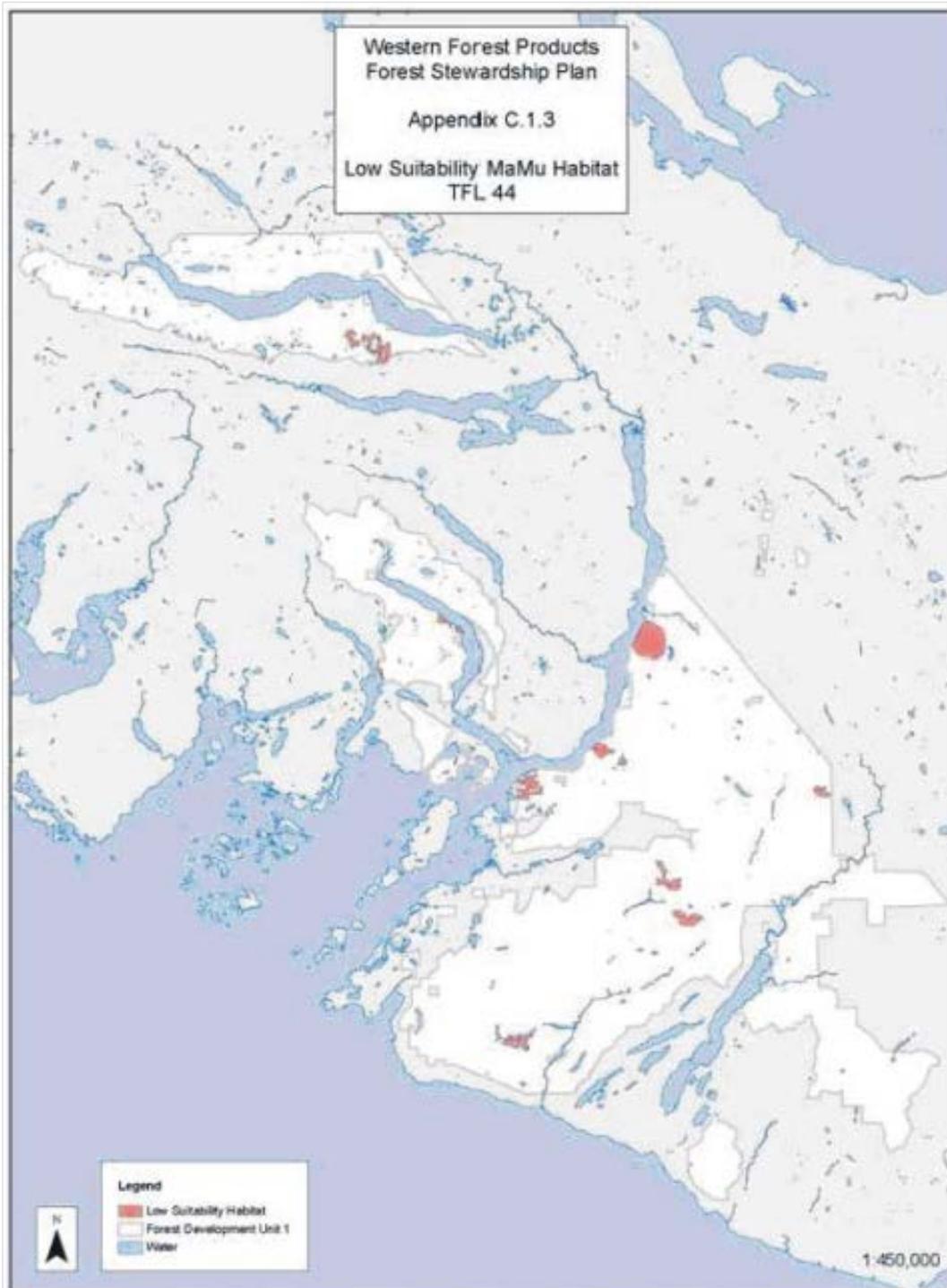
For the purposes of Paragraph 4.2.1.7 of this **FSP**, the following timber harvesting and road related activities may occur in the following polygons shown on the relevant **Spatial Reserve Map** in Appendix C.1.1 to this **FSP**:

(a) Species	(b) Polygon Reference on Relevant Spatial Reserve Map	(c) Permitted Activity
Grizzly Bear		
	PD GR 02, PD GR 03, PL GR 01	None.
	PD GR 01	Roads in the polygon that are in a Deactivated state as of the Submission Date may be reactivated and, thereafter, maintained and Deactivated , for the purpose of accessing areas outside of the polygon where timber harvesting or silviculture may occur.
	LR GR 01	Road construction, maintenance and Deactivation , and associated timber harvesting, may occur on up to 10% of the productive forest land base within the polygon for the purpose of accessing areas outside the polygon where timber harvesting or silviculture may occur.

**APPENDIX C.1.3:
AREAS IN SOUTH ISLAND FOREST DISTRICT TO BE EXCLUDED FROM MARBLED MURRELET
HABITAT**

(Paragraph 4.2.1.1 (c)(i)(B)(I) of this FSP)

For the purposes of Paragraph 4.2.1.1(c)(i)(B)(I) of this **FSP**, the areas shown as “Low Suitability MAMU Habitat” on the following map are the areas to be excluded from the marbled murrelet habitat determined under Paragraph 4.2.1.1(c)(i)(A) of this **FSP**.



APPENDIX C.2:

STRATEGIES FOR FISHERIES SENSITIVE WATERSHEDS

(Paragraph 4.3.2.2 of this FSP)

For the purposes of Paragraph 4.3.2.2 of this **FSP**, where required, and effective, within the normal forest rotation, to:

- (a) conserve the natural hydrological conditions, natural stream bed dynamics and integrity of stream channels in a **Fisheries Sensitive Watershed**;
- (b) conserve the quality, quantity and timing of water flows required by fish in a **Fisheries Sensitive Watershed**; or
- (c) prevent the cumulative hydrological effects of *primary forest activities* undertaken by a **Holder of this FSP** in a **Fisheries Sensitive Watershed** from resulting in a material adverse impact on the fish habitat of the watershed,

the following apply:

- (d) when designing new roads and **Cutblocks**, a hydrologic evaluation will be completed by a **Qualified Registered Professional** to assess, and where required, apply measures for:
 - (i) watershed management strategies, as indicated in the watershed level evaluation, completed in accordance with subparagraph (l);
 - (ii) terrain stability;
 - (iii) sediment transport;
 - (iv) potential for increased runoff; and
 - (v) riparian buffers;
- (e) when constructing new roads, bridges across streams and culverts in streams will be designed to a peak flow return period of 100 years;
- (f) if harvesting timber or constructing a road, do so consistent with the terrain stability provisions in Appendix C.3 to this **FSP** and, without limiting the foregoing:
 - (i) in areas adjacent to small fish bearing streams and the upper fish bearing reaches of main streams, **Cutblocks** and new road construction will be limited to terrain with a low hazard of slides that could enter a fish-bearing stream;
 - (ii) when designing new **Cutblocks**, make the width of tree buffers along alluvial reaches sufficient to ensure the integrity of the buffer will not be lost to windthrow;
 - (iii) when constructing a road adjacent to an S3 or S4 stream as soon as practicable after construction is completed or, if harvesting is to commence within six months

- of completion of construction, then as soon as practicable after the harvesting is completed:
- (A) ditch lines, cutslopes, borrow pits, waste areas and rehabilitated roads along sections of the road that direct drainage water into a stream will be grass seeded; and
 - (B) fill slopes within 30 meters of a stream crossing will be grass seeded;
- (g) carry out erosion control as follows, where it will materially reduce the likelihood of erosion occurring:
- (i) grass seed soil where there is a potential for erosion to occur and cause sediment to transport to any stream and, in particular, the following areas:
 - (A) cutslopes, fillslopes and ditchlines in soil materials where they connect directly or via a ditchline to any stream;
 - (B) all stream culverts at the inlet and outlet, if seeding will adequately protect against erosion, unless otherwise protected by armour;
 - (C) all ditchwater culverts at the inlet and outlet unless otherwise protected by armour; and
 - (D) ditchlines for at least 10 meters upgrade of culverts; and
 - (ii) other erosion control measures, such as sediment basins, erosion blankets, and ditch checkdams will be applied where they would materially reduce the likelihood of erosion;
 - (ii) when **Deactivating** roads, ditchlines and cutslopes will be grass seeded to the first waterbar or cross ditch upgrade of a waterbar or cross ditch that discharges water directly into a stream;
- (h) address unstable and eroding sites, with particular attention to gully crossings;
- (i) where under road permit, and unless legislation or the road permit provides otherwise, roads with a Risk, as defined in Part 2 subparagraph (b) of Appendix C.3, of High or Moderate, that are not required for long term forest management and access purposes will be **Deactivated** with priority given to roads where slides or erosion could connect to fish habitat;
 - (j) for the Klanawa River, South Island Forest District:
 - (i) a conventional silvicultural system, as defined in Part 2 subparagraph (b) of Appendix C.3, within the area marked on the map attached as Schedule 1 to this Appendix as Watershed Basins with Restrictions, will be limited to a Risk category defined in Part 1 subparagraph (g) of Appendix C.3 of:
 - (A) very low; and
 - (B) low; not including the low Risk category associated with a Moderate potential for landslide occurrence and a Moderate sediment delivery potential; and
 - (k) for Haddon Creek, South Island Forest District:

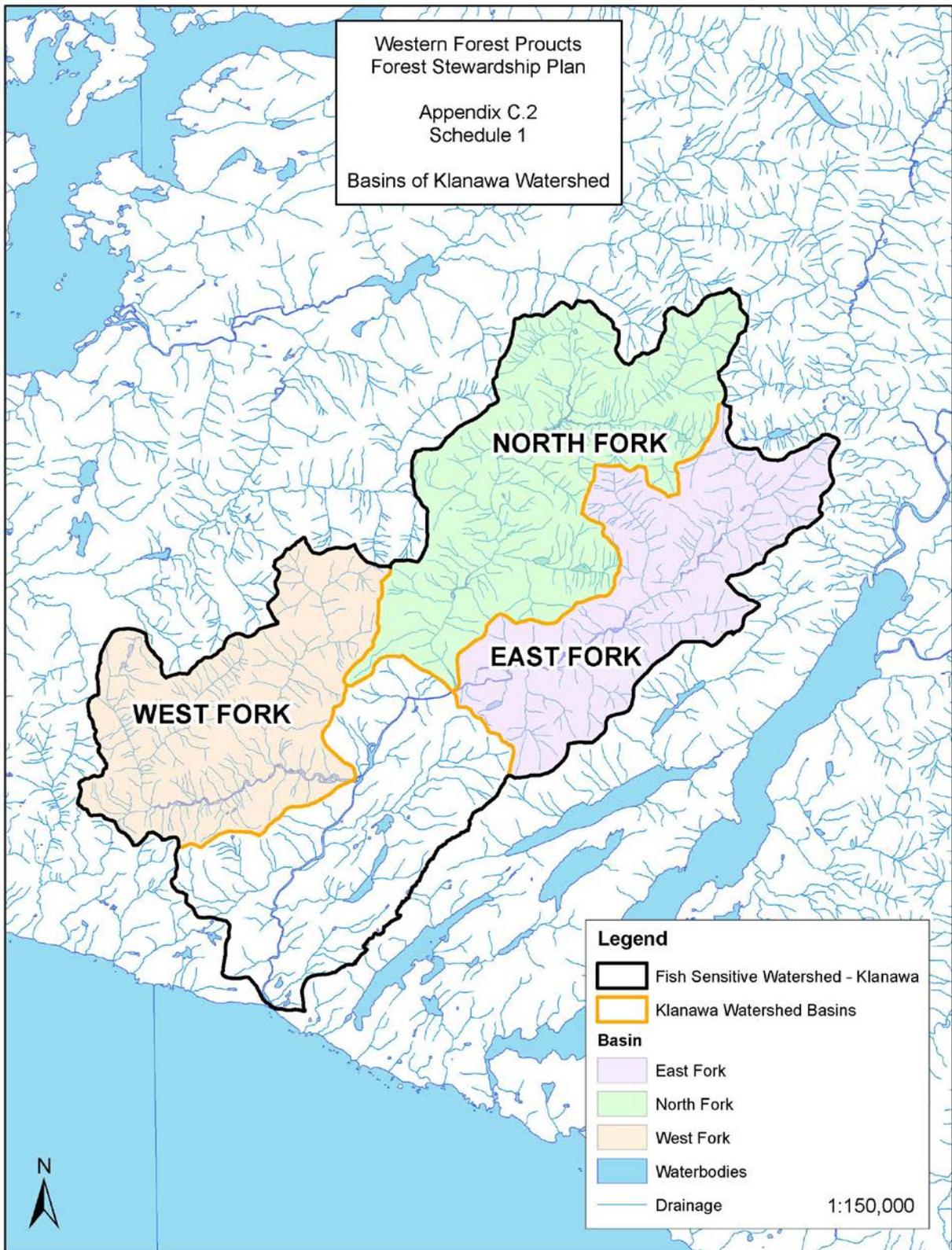
- (i) in the rain-on-snow zone (300 – 800 meters elevation) in that area marked on the map attached as Schedule 2 to this Appendix as the Haddon Creek Basin 2-A, timber harvesting by the **Holders of this FSP** and any other **FSP** holders within this area, collectively, will not exceed 75 hectares over any 5 calendar year period, commencing January 1, 2007; and
 - (ii) a **Holder of this FSP** will make available, to any other **FSP** holders within the watershed, information in regards to proposed and harvested roads and **Cutblocks**.
- (l) a **Qualified Professional** will complete a watershed level evaluation, that will produce similar results as those intended by the Coastal Watershed Assessment Procedure Guidebook Version 2.1 (April 1999), within **Fisheries Sensitive Watersheds** that includes:
 - (i) watershed factors;
 - (ii) identification of sensitive areas;
 - (iii) key management concerns;
 - (iv) watershed management strategies; and
 - (v) timing of stream flow;

which is updated and monitored as recommended within the watershed level evaluation; but no longer than a 10 year interval commencing on the date the evaluation is finalized.

APPENDIX C.2: SCHEDULE 1

MAP SHOWING WATERSHED BASINS WITH RESTRICTIONS OF THE KLANAWA RIVER

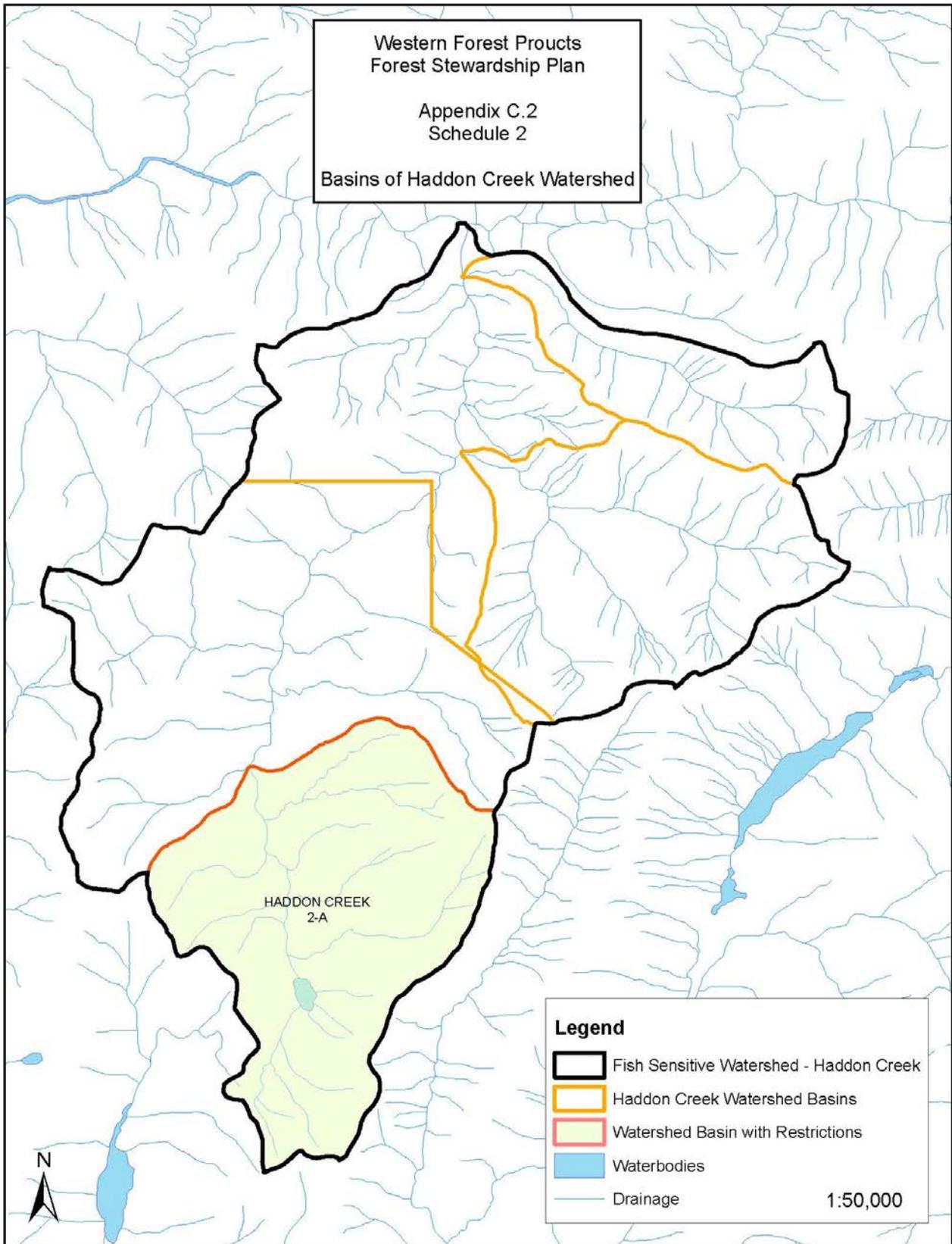
(Paragraph (d)(iv) of Appendix C.2)



APPENDIX C.2: SCHEDULE 2

MAP SHOWING HADDON CREEK BASIN 2-A

(Paragraph (e)(ii) of Appendix C.2)



APPENDIX C.3:

TERRAIN STABILITY IN FISHERIES SENSITIVE AND COMMUNITY WATERSHEDS

(Paragraphs 4.3.2.2 and 4.3.3.2 of this FSP)

1. Interpretation

In this Appendix:

- (a) **“Protected Water”** means a body of water that is:
 - (i) fish-bearing and subject to the result or strategy in Paragraph 4.3.2 of this FSP; or
 - (ii) subject to Paragraph 4.3.3 of this FSP and:
 - (A) classified S1 or S2; or
 - (B) classified S3 or S4 and joins the stream diverted for human consumption < 1000 meters upstream of the point of diversion;
- (b) **“Landslide”** means mass movement of 500m² (0.05ha) or larger;
- (c) **“Debris”** mean coarse sediment (gravel size and larger) and coarse wood;
- (d) **“Terrain Unit”** means a unit of area that contains the same Potential for Landslide Occurrence;
- (e) the following categories of potential for landslide occurrence apply:

Potential for Landslide Occurrence	Post Harvest Landslide Frequency*
High	>=5 Landslides per 100ha harvested
Moderate	3-<5 Landslides per 100ha harvested
Low	1-<3 Landslides per 100ha harvested
Very Low	<1 Landslides per 100ha harvested

*Landslide frequency is the number of landslides anticipated in the 15-year period following harvesting.

where **Potential for Landslide Occurrence** is an estimate by a **Qualified Registered Professional** of the number of **Landslides** that may occur in a specific **Terrain Unit** within a **Cutblock**, or in the area adjacent to a **Cutblock**, if significant areas of that **Terrain Unit** were harvested.

(f) the following categories of sediment delivery potential apply:

Sediment Delivery Potential	Definitions
High	Landslide would directly enter a Protected Water or enter a body of water that is connected to Protected Water at a point that is within 500metres of a Protected Water .
Moderately High	Some Landslide Debris may enter a Protected Water . High potential to transport to a Protected Water within first seasonal peak flow.
Moderate	Most Landslide Debris at time of event would deposit at breaks in gradient or slope breaks; fine sediment may reach Protected Water . Debris would transport to Protected Water over time via normal fluvial processes.
Low-Moderate	Some suspended sediment or small wood may reach Protected Water . Debris would be stored in low gradient reaches, on fans, or on gentle slope areas.
Low	Landslide Debris is unlikely to reach Protected Water at time of event, or to transport to Protected Water .

(g) the following categories of risk apply
(where Risk = **Potential for Landslide Occurrence** x **Sediment Delivery Potential**):

Potential for Landslide Occurrence	Sediment Delivery Potential				
	High	Moderately High	Moderate	Low-Moderate	Low
High	High	High	Moderate	Low	Low
Moderate	High	Moderate	Low	Low	Very Low
Low	Low	Low	Very Low	Very Low	Very Low
Very Low	Very Low	Very Low	Very Low	Very Low	Very Low

2. Timber Harvesting Management Strategies

Subject to Paragraph 4 of this Appendix, for the purposes of Appendix C.2 to this **FSP**, where it refers to this Appendix, and Paragraphs 4.3.2.2 and 4.3.3.1 of this **FSP**, the following are the strategies for timber harvesting management:

Potential for Landslide Occurrence	Sediment Delivery Potential				
	High	Moderately High	Moderate	Low-Moderate	Low
High	Strategy 1	Strategy 1	Strategy 2	Strategy 3	Strategy 3
Moderate	Strategy 1	Strategy 2	Strategy 3	Strategy 3	Strategy 4
Low	Strategy 3	Strategy 3	Strategy 4	Strategy 4	Strategy 4
Very Low	Strategy 4	Strategy 4	Strategy 4	Strategy 4	Strategy 4

where:

(a) the strategies are:

(i) **“Strategy 1 and 2”** means limit to single tree selection or small patches, do not remove more than 5% to 30% by basal area; patch size typically 0.1 hectares to 0.3 hectares;

(ii) **“Strategy 3”** means:

(A) if there is a potential material adverse effect on a **Protected Water** that is a geomorphically sensitive alluvial channel with:

- (I) high-value spawning or rearing habitat;
- (II) in stream restoration structures; or
- (III) similar features,

for the fish for which the **Fisheries Sensitive Watershed** was established, the strategy will be to apply non-conventional silvicultural system that mitigates the likelihood of a **Landslide** occurring; and

(B) in areas to which clause (i) does not apply, applying a conventional silvicultural system;

(iii) **“Strategy 4”** means conventional silvicultural system.

(b) **“conventional silvicultural system”** means clearcut systems and variable retention systems

(c) **“non-conventional silvicultural system”** means single tree selection systems.

3. Road Construction Strategies

Subject to Paragraph 4 of this Appendix, for the purposes of Appendix C.2 to this **FSP**, where it refers to this Appendix, and Paragraph 4.3.3.2 of this **FSP**, the following are the strategies for road construction:

Potential for Landslide Occurrence	SEDIMENT DELIVERY POTENTIAL				
	High	Moderately High	Moderate	Low-Moderate	Low
High	Strategy 1	Strategy 1	Strategy 2	Strategy 3	Strategy 3
Moderate	Strategy 1	Strategy 2	Strategy 3	Strategy 3	Strategy 4
Low	Strategy 3	Strategy 3	Strategy 4	Strategy 4	Strategy 4
Very Low	Strategy 4	Strategy 4	Strategy 4	Strategy 4	Strategy 4

where:

- (a) the strategies are:
 - (i) “**Strategy 1 and 2**” means use non-conventional construction methods but, if non-conventional construction methods do not prevent cutslope or fillslope instability, then do not build the road;
 - (ii) “**Strategy 3**” means use conventional construction methods if there is a low risk of a **Potential for a Landslide Occurrence** otherwise use non-conventional construction methods; and
 - (iii) “**Strategy 4**” means use conventional construction methods;
- (b) “**conventional construction methods**” means cut and fill construction; and
- (c) “**non-conventional construction methods**” means end haul or partial end haul construction techniques.

4. Application of Strategies in this Appendix

The strategies in this Appendix apply where required and effective:

- (a) in a **Fisheries Sensitive Watershed**, within the normal forest rotation, to:
 - (i) conserve the natural hydrological conditions, natural stream bed dynamics and integrity of stream channels in that **Fisheries Sensitive Watershed**;
 - (ii) conserve the quality, quantity and timing of water flows required by fish in that **Fisheries Sensitive Watershed**; or
 - (iii) to prevent the cumulative hydrological effects of **primary forest activities** undertaken by a **Holder of this FSP** from resulting in a material adverse impact on the fish habitat in that **Fisheries Sensitive Watershed**; and
- (b) in a **Community Watershed** where water is being diverted for human consumption through a licensed waterworks, to prevent the cumulative hydrological effects of **primary forest activities** undertaken by a **Holder of this FSP** from resulting in the effects described in Sections 8.2(2)(a) and (b) of the **FPPR**.

APPENDIX C.4: STRATEGIES FOR SEDIMENT CONTROL IN COMMUNITY WATERSHEDS

(Paragraph 4.3.3.2 of this FSP)

For the purposes of Paragraph 4.3.3.2 of this **FSP**, where required, and effective, to prevent the cumulative hydrological effects of **primary forest activities** of a **Holder of this FSP** in a **Community Watershed** where water is being diverted for human consumption through a licensed waterworks from resulting in the effects described in Section 8.2(2)(a) and (b) of the **FPPR** the following apply:

1. **Cutblock Design**

When designing new roads and **Cutblocks**, a hydrologic evaluation will be completed by a **Qualified Registered Professional** to assess, and where required, apply measures for:

- (a) watershed management strategies, as indicated in the watershed level evaluation, completed in accordance with Part 8;
- (b) terrain stability;
- (c) sediment transport;
- (d) potential for increased runoff; and
- (e) riparian buffers;

2. **Ditch cleaning**

Ditches are to be cleaned when conditions are dry.

Ditchspoil will not be windrowed along the road shoulder. On moderate slopes, the ditchspoil maybe thinly spread on the slope below the road, but not heaped or piled against trees. Where the road is on steep slopes, the ditchspoil will be endhailed to a suitable spoil site.

3. **Culvert replacement**

Culvert replacements will be done during dry weather (except for emergency repairs or replacements). The inlet and outlet areas on new culverts, and the adjacent fillslopes, will be armoured to prevent erosion or sloughing into the creek.

4. **Rock ballasting of road surface**

For new road construction, where the road is 30 meters or less to the stream channel, the road surface is to be ballasted with clean rock. The road surface is also to be rock ballasted for 30 meters either side of stream culverts.

5. **Road grading practices**

Grading will not occur during periods of rainfall of greater than 5mm per hour.

6. **Shutdown or harvest completion**

In preparation for a shutdown for a period longer than 30 days or at harvest completion, the following measures will be taken:

- (a) No excavated or endhailed material will be left piled in such a way as to become unstable during the shutdown period. Spoil sites, piles and fills will be sloped uniformly to prevent instability.
- (b) Ditches and culverts will be left clear and functional, with adequate inlet basins..
- (c) On sections of steep grades, crossditches and back-up swales will be constructed where needed.
- (d) If road construction has reached a drainage course but a drainage structure has not been installed prior to shutdown, the drainage course will be left open and unimpeded.
- (e) Where exposed silty soils could erode and enter surface streams or ditches connected to streams, silt fences, hay bales or erosion blankets will be applied as needed for temporary protection.

7. **Deactivation**

Where under road permit, and unless legislation or the road permit provides otherwise, roads that are not required for long term forest management and access purposes will be **Deactivated**.

8. **Watershed level evaluation**

A **Qualified Professional** will complete a watershed level evaluation, that will produce similar results as those intended by the Coastal Watershed Assessment Procedure Guidebook Version 2.1 (April 1999), within **Community Watersheds** that includes:

- (a) watershed factors;
- (b) identification of sensitive areas;
- (c) key management concerns;
- (d) management strategies; and
- (e) timing of stream flow;

which is updated and monitored as recommended within the watershed level evaluation; but no longer than a 10 year interval commencing on the date the evaluation is finalized.

9. **Communication**

When designing new roads and **Cutblocks** in a **Community Watershed** that is shared by another License under the **Forest Act**, a **Holder of this FSP** will share information in regards to the proposed roads and **Cutblocks**.

APPENDIX C.5: BIODIVERSITY

This appendix contains the following appendices:

APPENDIX C.5.1: Adjustments to areas not to be harvested under this **FSP** pertaining to **VILUP**

and

APPENDIX C.5.2: Activities within **OGMA's**

And

APPENDIX C.5.3: Adjustments to areas not to be harvested under this **FSP** pertaining to **NSOG**

**APPENDIX C.5.1:
ADJUSTMENTS TO AREAS NOT TO BE HARVESTED UNDER THIS FSP PERTAINING TO VILUP**

(Paragraphs 4.4.1.3(b), 4.4.1.6(b) of this FSP)

1. Pertaining to VILUP Objective 1(a) regarding sustaining ecosystem structure and function

For the purposes of Paragraph 4.4.1.3(b) of this **FSP**, the revised amount for an **Applicable SMZ** will be calculated as follows:

$$A = (TM \times PA) + AA$$

where:

A = the revised amount of **Mature** productive seral forest in the **Applicable SMZ** to which **VILUP** Objective 1(a) applies that is not to be harvested under this **FSP**;

TM = Target for **Mature** seral forest in the **Applicable SMZ** to which **VILUP** Objective 1(a) applies;

PA = Productive Area of **FDU #1** within the **Applicable SMZ**;

PS = $TM \times PA$;

AF = the area of **Mature** productive seral forest within that portion of **FDU #1** in the **Applicable SMZ**

R = the amount, by area, if any, by which $AF > PS$; and

AA = 0, if $AF > PS$;
otherwise, R.

2. Pertaining to VILUP Objective 11

For the purposes of Paragraph 4.4.1.6(b) of this **FSP**, the revised amount for **RMZ 42** will be calculated as follows:

$$A = (TO \times PA) + AA$$

where:

A = the revised amount of **Old Seral** forest in **RMZ 42** to which **VILUP** Objective 11 applies that is not to be harvested under this **FSP**;

TO = Target for **Old Seral** forest in **RMZ 42** to which **VILUP** Objective 11 applies

PA = Productive Area of **FDU #1** within the **RMZ**

PS = $TO \times PA$

AF = the area of **Old Seral** forest within that portion of **FDU #1** in the **RMZ**

R = the amount, by area, if any, by which $AF > PS$

AA = 0, if $AF > PS$;
otherwise, R

**APPENDIX C.5.2
ACTIVITIES WITHIN OGMA's**

(Paragraph 4.4.2.1 of this FSP)

1. Applicable OGMA's

In this Appendix, “**OGMA**” means an old growth management area established for the following landscape units as shown on the following maps, as such old growth management areas may be revised up to the **Legislated Planning Date**:

Landscape Unit	Map Attached to Order Establishing Objective for OGMA's in Landscape Unit
Bunster	Titled: Map 1, Dated: September 21, 2000
Powell-Daniels	Dated: January 16, 2002
Lois	Dated: September 16, 2002
Powell Lake	Dated: October 30, 2002
Caycuse	Dated: December, 2006
Nitinat	Dated: December, 2006
Walbran	Dated: December, 2006
Great Central Lake	Dated: August 10, 2015

unless, after the **Legislated Planning Date**, the designation of the areas as an old growth management area is:

- (i) amended to reduce the area it covers, in which case, this definition applies to the old growth management area as reduced; or
- (ii) cancelled, in which case it will no longer fall within this definition of **OGMA**.

2. Limitations on Harvesting and Road Construction in OGMA's

For the purposes of Paragraph 4.4.2.1 of this **FSP**, and subject to Paragraph 3 of this Appendix, a **Holder of this FSP** will not carry out in an **OGMA**:

- (i) timber harvesting; or
- (ii) road construction.

3. Where Paragraph 2 Does Not Apply

Despite Paragraph 2, with the exception of OGMA 367, a **Holder of this FSP** may harvest timber or construct a road in an **OGMA** as follows (a “√” means the specified Permitted Activity is allowed):

Applicable Landscape Unit:								
All	Bunster	Powell-Daniels	Lois	Powell Lake	Great Central Lake	Caycuse	Nitinat	Walbran
			√	√		√	√	√
Permitted Activities:								
Road construction where:								
(a) there is no other practicable option; and								
(b) a Holder of this FSP :								
(i) identifies replacement forest that is biologically suitable, of equivalent age, structure and area and situated (in order of priority), either immediately adjacent to the affected OGMA , or in the same variant and landscape unit as the affected OGMA ; and								
(ii) by the end of the calendar year in which the road construction is completed, documents, maps and submits to a person with authority to change the boundaries of an old growth management unit, the boundary adjustments required to the affected OGMA and the boundary of the replacement forest.								

Applicable Landscape Unit:								
All	Bunster	Powell-Daniels	Lois	Powell Lake	Great Central Lake	Caycuse	Nitinat	Walbran
			√	√	√	√	√	√
Permitted Activities:								
Maintenance, Deactivation , removal of danger trees, or brushing and clearing the right-of-way for safety purposes on or in respect of roads that are in place at the time the OGMA was established.								

Applicable Landscape Unit:								
All	Bunster	Powell-Daniels	Lois	Powell Lake	Great Central Lake	Caycuse	Nitinat	Walbran
						√	√	√
Permitted Activities:								
(a) Timber harvesting or road or bridge construction required to access resource values beyond or adjacent to the OGMA in OGMAs that are 10 ha or greater in size, provided that:								
(i) all such operations subject to this FSP combined do not affect more than 10 per cent of the area of the OGMA ;								
(ii) for the construction of a road or bridge, there is no other practicable location for the road or bridge;								
(iii) the Holder of the FSP conducting such operations either:								

- (A) identifies suitable **OGMA** replacement forest of equivalent age, structure and area either (in order of priority) directly adjacent to, or in the same variant and landscape unit as, the affected **OGMA**; or
 - (B) if a temporary road or bridge is constructed, permanently **Deactivates** and rehabilitates the road or bridge site within four years after it was constructed; and
 - (iv) by the end of the calendar year in which the operation is completed, documents, maps and submits to a person in **Government** with authority to change the boundaries of an old growth management unit, the boundary adjustments to the affected OGMA and the boundary of the replacement forest.
- (b) Any of the following:
- (i) salvage harvesting in an **OGMA** to prevent the spread of insect infestations or diseases that pose a significant threat to forested areas outside of the **OGMA**, provided that the salvage is done in a manner that retains as many old growth forest attributes within the **OGMA** as possible;
 - (ii) felling of guyline clearance, tailhold anchor trees, or danger trees within an **OGMA** along **Cutblock** boundaries or within the right of way on new road/bridge alignments to meet safety requirements;
 - (iii) construction and use of a rock quarry or gravel pit in an **OGMA** under authority of a licence referred to in Paragraph 1.1 of this FSP or a permit issued under or in respect of such licence, provided that the quarry or pit is located immediately adjacent to existing roads subject to such licence or permit and the total area of all such quarries and pits is less than 0.5 ha of the **OGMA**; and
 - (iv) a primary forest activity other than specified in clauses (i) to (iii), provided that all such activities in total cover an area of an **OGMA** of less than or equal to 0.5 hectares.
- provided that**, if the total area of an **OGMA** affected by the matters referred to in clauses (i) to (iv) exceeds two ha in size, a **Holder of this FSP** will:
- (i) identify replacement forest that is biologically suitable, of equivalent age, structure and area and situated (in order of priority), either immediately adjacent to the affected **OGMA**, or in the same variant and landscape unit as the affected **OGMA**; and
 - (ii) by the end of the calendar year in which the two a limit is exceeded, document, map and submitted to a person in **Government** with authority to change the boundaries of an old growth management unit, the boundary adjustments to the affected **OGMA** and the boundary of the replacement forest.

All	Bunster	Powell-Daniels	Lois	Powell Lake	Great Central Lake	Caycuse	Nitinat	Walbran
					√			

Permitted Activities:

Within all OGMA's, any of the following:

- (a) topping or pruning trees along the boundary to improve windfirmness;
- (b) to prevent the spread of an insect infestation or disease that poses a significant threat to a forested area outside of an **OGMA**, harvesting within the **OGMA** in a manner that retains as many old growth forest attributes as possible; or
- (c) felling to provide minimal guyline clearance for safety purposes, minimal tailhold anchor trees if no other practicable option exists, or felling of danger trees along **Cutblock** boundaries.

Within OGMA's 121, 124, and 126:

- (a) timber harvesting immediately within 100 meters of the edge of an **OGMA** boundary if the harvest does not exceed a total of either 2 hectares or 2% of the area of the **OGMA**, whichever is less;
- (b) timber harvesting for road and/or bridge construction, provided that:
 - (i) the road and/or bridge is required to access resource values beyond or adjacent to the OGMA;
 - (ii) no other practicable option for road and/or bridge location exists;
 - (iii) the total area impacted does not exceed 10% of the OGMA including any concurrent removals done

- under (a);
- (iv) right of way widths are kept to the minimum required for safety; and,
- (v) all reasonable measures are taken to minimize damage to trees within the OGMA from road building activities such as blasting of shot rock.

The area of an OGMA that is subject to timber harvesting shall be replaced with forest which is:

- (a) biologically suitable;
- (b) of equivalent age, structure, species composition and area; and,
- (c) situated in order of priority, either immediately adjacent to the OGMA being amended, or adjacent to another OGMA designated in this order, or adjacent to another OGMA designated in another order within Great Central Landscape Unit.

OGMA replacements made must be documented and submitted as digital spatial data to the delegated decision maker at the end of each calendar year. The total forested area of OGMAs in this order after replacements shall not be less than 398 hectares.

Applicable Landscape Unit:

All	Bunster	Powell-Daniels	Lois	Powell Lake	Great Central Lake	Caycuse	Nitinat	Walbran
			√	√				

Permitted Activities:

If authorized by a person issuing or granting a cutting permit, road permit or other timber harvesting or road construction authorization from **Government**, a **Holder of this FSP** may remove or fall trees or construct a road within an **OGMA** for reasons such as but not limited to the following:

- (a) to prevent the spread of an insect infestation or disease that poses a significant threat to a forested area outside of an **OGMA**, where done in a manner that retains as many old growth forest attributes as possible;
- (b) to construct a road or yarding corridor, if the person issuing or granting the authorization determines that no other practicable option exists; or
- (c) for a partial-cut within an immature (<100 years old) portion of a recruitment **OGMA** in a Lower Biodiversity Emphasis Option Landscape Unit, where it can be demonstrated that harvesting will accelerate development of old growth forest attributes and improve the stand for biodiversity purposes, without compromising other resource values.

APPENDIX C.5.3:

ADJUSTMENTS TO AREAS NOT TO BE HARVESTED UNDER THIS FSP PERTAINING TO NSOG

(Paragraphs 4.4.3.2, 4.4.3.3(a) and 4.4.3.3(b) of this FSP)

1. Applicable to the Result or Strategy for Objective #8 in this FSP, Pertaining to the Non-Spatial Old Growth Objective

For the purposes of Paragraph 4.4.3.2 of this **FSP**, and unless and until revised in accordance with Paragraph 3 of this Appendix, the area not to be harvested is set out in Column 5 of the following table:

1	2	3	4	5
Landscape Unit	NDT Type	BEC	BEO	Area Not to be Harvested(ha)
Ash	2	CWH mm 1	Intermediate	0
Ash	2	CWH mm 2	Intermediate	0
Ash	2	CWH xm 2	Intermediate	1
Ash	1	MH mm 1	Intermediate	0
China	2	CWH mm2	Intermediate	27
China	2	CWH xm 2	Intermediate	18
China	1	MH mm 1	Intermediate	0
Corrigan	2	CWH mm 2	Intermediate	32
Corrigan	1	CWH vm 2	Intermediate	264
Corrigan	2	CWH xm 2	Intermediate	337
Corrigan	1	MH mm 1	Intermediate	46
Effingham	1	CWH vm1	Intermediate	212
Effingham	1	CWH vm2	Intermediate	92
Effingham	1	MH mm1	Intermediate	10
Great Central	2	CWH mm 1	Intermediate	0
Great Central	2	CWH mm 2	Intermediate	0
Great Central	2	CWH xm 2	Intermediate	744
Great Central	2	MH mm 1	Intermediate	0
Haslam	2	CWH dm	Low	57
Haslam	1	CWH vm 2	Low	20
Haslam	2	CWH xm 1	Low	3
Haslam	1	MH mm 1	Low	6
Henderson	1	CWH vm1	Low	1478
Henderson	1	CWH vm2	Low	503
Henderson	1	MH mm1	Low	64
Klanawa	1	CWH vh 1	Intermediate	0
Klanawa	1	CWH vm 1	Intermediate	2823
Klanawa	1	CWH vm 2	Intermediate	184
Sarita	1	CWH vh 1	Low	36
Sarita	1	CWH vm 1	Low	438
Sarita	1	CWH vm 2	Low	87
Somass	2	CWH xm 2	Low	0

2. **Applicable to the Result or Strategy for Objective #8 in this FSP, Pertaining to the Non-Spatial Old Growth Objective**

For the purposes of Paragraph 4.4.3.3(a) of this **FSP**:

IA = the total amount, by area, of old forest required under the **Objective** referred to in Paragraph 4.4.3.1 of the **FSP** in the BEO for the **BEC** of the landscape unit within FDU #1; and

P = the percentage of old forest specified for retention in the **Objective** for the **BEC** of the landscape unit.

3. **Applicable to the Result or Strategy for Objective #8 in this FSP, Pertaining to the Non-Spatial Old Growth Objective**

For the purposes of Paragraph 4.4.3.3(b) of this **FSP**, the revised amount for a BEO within a **BEC** of a landscape unit will be:

$$A = (IA - PR) + AA$$

where:

A = the revised amount, by area, of old forest for the BEO for the **BEC** of the landscape unit that will not be harvested under this **FSP**;

IA = the total amount, by area, of old forest required under the **Objective** referred to in Paragraph 4.4.3.1 of this **FSP** for the BEO for the **BEC** of the landscape unit within FDU #1

PR = the total amount, by area, of old forest for the BEO for the **BEC** of the landscape unit that is within protected areas

PA = Productive Forest Area of **FDU #1** within the BEO for the **BEC** of the landscape unit

$$PS = (IA - PR)$$

AF = the area of old forest within that portion of **FDU #1** in the BEO for the **BEC** of the landscape unit

R = the amount, by area, if any, by which $AF > PS$

AA = 0, if $AF > PS$; or

otherwise:

$$(AF - PS)$$

APPENDIX D:

MATTERS RELATED TO STOCKING

APPENDIX D.1:

SPECIES AND FREE GROWING HEIGHT

(Paragraphs 5.2.1(a) and 5.2.5 of this FSP)

For the purposes of Paragraphs 5.2.1(a) and 5.2.5 of this **FSP**, the species and height referred to in those provisions by **BEC** and site series are as follows:

BEC	Site Series	Species ^{1,2,3,4,5,6,7} /Minimum Free Growing Height (m)									
CWH dm	01	Cw/1.5	Fd/3.0	Hw/3.0	Pw/2.5						
	02	Fd/2.0	Pl/1.2								
	03	Cw/1.0	Fd/2.0	Hw/2.0							
	04	Cw/1.5	Fd/3.0	Pw/2.5							
	05	Bg/3.5	Cw/2.0	Fd/4.0	Hw/4.0	Pw/2.5					
	06	Cw/1.5	Fd/3.0	Hw/3.0							
	07	Bg/3.5	Cw/2.0	Fd/4.0	Hw/4.0						
	08	Bg/3.5	Cw/2.0								
	09	Bg/3.5	Cw/2.0								
	11	Cw/1.0	Pl/1.2								
	12	Cw/1.0	Hw/2.0	Pw/2.5	Ss/3.0						
	13	Bg/3.5	Cw/2.0	Fd/4.0							
	14	Bg/3.5	Cw/2.0								
	15	Cw/1.0									
	CWH mm1	01	Ba/0.7	Bp/2.0	Cw/1.5	Fd/3.0	Hw/2.0	Yc/1.5			
02		Cw/1.0	Fd/2.0	Pl/1.2	Yc/1.0						
03		Cw/1.0	Fd/2.0	Hw/1.7	Yc/2.0						
04		Cw/1.0	Fd/2.0	Hw/1.7	Pw/2.5	Yc/2.0					
05		Ba/0.7	Bp/2.0	Cw/1.5	Fd/3.0	Hw/2.0	Pw/2.5				
06		Ba/0.7	Cw/1.5	Fd/3.0	Hw/2.0	Yc/1.5					
07		Ba/1.0	Bp/2.0	Cw/1.5	Fd/4.0	Hw/2.5	Yc/1.5				
08		Ba/1.0	Cw/2.0	Ss/4.0	Yc/2.0						
09		Ba/1.0	Cw/2.0	Ss/4.0							
11		Cw/1.0	Hw/1.5	Pl/1.2	Yc/1.0						
12		Cw/1.0	Hw/1.5	Ss/2.0	Yc/1.0						
CWH mm2		01	Ba/0.7	Bp/1.0	Cw/1.0	Fd/2.2	Hm/1.0	Hw/1.2	Yc/1.0		
	02	Cw/0.7	Fd/1.5	Pl/1.2	Yc/0.7						
	03	Cw/0.7	Fd/1.5	Hm/0.7	Hw/1.0	Yc/0.7					
	04	Cw/0.7	Fd/1.5	Hw/1.0	Pw/2.5	Yc/0.7					
	05	Ba/0.7	Bp/1.0	Cw/1.0	Fd/2.2	Hm/1.0	Hw/1.2	Pw/2.5	Se/0.7	Yc/1.0	
	06	Ba/0.7	Cw/1.0	Fd/2.2	Hm/1.2	Hw/1.2	Yc/1.0				
	07	Ba/0.7	Cw/0.7	Fd/1.5	Hm/0.7	Hw/1.0	Yc/0.7				
	08	Ba/1.0	Bp/1.0	Cw/1.2	Fd/3.0	Hm/1.2	Hw/1.7	Yc/1.2			
	09	Cw/0.7	Fd/1.5	Pl/1.2	Yc/0.7						
	10	Cw/0.7	Hm/0.7	Hw/1.0	Pw/2.5	Yc/0.7					

BEC	Site Series	Species ^{1,2,3,4,5,6,7} /Minimum Free Growing Height (m)								
CWH vh1	01	Ba/1.7	Cw/1.5	Fd/2.0	Hw/2.0	Pl/1.5	Ss/3.0	Yc/1.5		
	02	Cw/1.0	Hw/1.2	Pl/1.2	Yc/1.0					
	03	Cw/1.0	Fd/1.2	Hw/1.2	Pl/1.2	Yc/1.0				
	04	Ba/2.2	Cw/2.0	Fd/1.7	Hw/1.7	Ss/4.0				
	05	Ba/2.2	Cw/2.0	Fd/1.7	Hw/1.7	Ss/4.0	Yc/2.0			
	06	Ba/2.2	Cw/2.0	Hw/1.7	Ss/4.0	Yc/2.0				
	07	Ba/2.2	Cw/2.0	Hw/1.7	Ss/4.0					
	08	Ba/2.2	Cw/2.0	Hw/1.7	Ss/4.0					
	09	Ba/2.2	Cw/2.0	Hw/1.7	Ss/4.0					
	11	Ba/1.2	Cw/1.0	Hw/1.2	Pl/1.2	Yc/1.0				
	12	Cw/1.0	Hw/1.2	Pl/1.2	Yc/1.0					
	13	Cw/1.0	Hw/1.2	Pl/1.2	Ss/2.0	Yc/1.0				
	14	Cw/1.0	Hw/1.2	Pl/1.2	Ss/2.0					
	15	Cw/1.5	Hw/2.0	Ss/3.0						
	16	Cw/1.5	Hw/2.0	Pl/1.5	Ss/3.0					
	17	Cw/1.0	Hw/1.2	Ss/2.0						
	18	Cw/1.0	Hw/1.2	Ss/2.0						
	CWH vm1	01	Ba/1.7	Cw/1.5	Fd/3.0	Hw/3.0	Ss/3.0	Yc/1.5		
01s		Ba/1.7	Cw/1.5	Fd/3.0	Hw/3.0	Ss/3.0	Yc/1.5			
02		Cw/1.0	Fd/2.0	Hw/2.0	Pl/1.2	Yc/1.0				
03		Ba/1.2	Cw/1.0	Fd/2.0	Hw/2.0	Pl/1.2	Yc/1.0			
04		Ba/1.7	Cw/1.5	Fd/1.7	Hw/3.0	Ss/3.0	Yc/1.5			
05		Ba/1.7	Cw/1.5	Fd/3.0	Hw/3.0	Ss/3.0	Yc/1.5			
06		Ba/1.7	Cw/1.5	Fd/3.0	Hm/1.5	Hw/3.0	Ss/3.0	Yc/1.5		
06s		Ba/1.7	Cw/1.5	Fd/3.0	Hw/3.0	Yc/1.5				
07		Ba/2.2	Cw/2.0	Fd/4.0	Hw/4.0	Ss/4.0	Yc/2.0			
08		Ba/2.2	Cw/2.0	Fd/4.0	Hw/4.0	Ss/4.0	Yc/2.0			
09		Ba/2.2	Cw/2.0	Fd/3.0	Hw/4.0	Ss/4.0	Yc/2.0			
10		Ba/2.2	Cw/2.0	Fd/3.0	Hw/4.0	Ss/4.0	Yc/2.0			
12		Cw/0.7	Fd/2.0	Hw/1.0	Pl/1.2	Yc/0.7	Hm/0.7			
13		Cw/1.0	Fd/2.0	Hw/2.0	Pl/1.2	Yc/1.0	Hm/1.0			
14	Ba/1.7	Cw/1.5	Fd/3.0	Hw/3.0	Pl/2.0	Ss/3.0	Yc/1.5	Hm/1.5		
CWH vm2	01	Ba/1.7	Cw/1.5	Fd/2.2	Hm/1.0	Hw/2.5	Ss/3.0	Yc/1.5	Bp/2.2	
	02	Cw/1.0	Fd/1.5	Hm/0.7	Hw/1.7	Pl/1.2	Yc/1.0			
	03	Ba/1.5	Cw/1.0	Fd/1.5	Hm/0.7	Hw/1.7	Pw/2.5	Yc/1.0		
	04	Ba/1.5	Cw/1.0	Fd/1.5	Hm/0.7	Hw/1.7	Pw/2.5	Ss/2.0	Yc/1.0	
	05	Ba/1.7	Cw/1.5	Fd/2.2	Hm/1.0	Hw/2.5	Ss/3.0	Yc/1.5	Bp/2.2	
	06	Ba/1.7	Cw/1.5	Fd/2.2	Hm/1.0	Hw/2.5	Ss/3.0	Yc/1.5	Bp/2.2	
	07	Ba/2.2	Cw/2.0	Fd/3.0	Hm/1.0	Hw/3.5	Ss/4.0	Yc/2.0	Bp/3.0	
	08	Ba/2.2	Cw/2.0	Hm/1.0	Hw/3.5	Ss/4.0	Yc/2.0	Fd/3.0		
	09	Ba/1.5	Cw/1.0	Fd/1.5	Hm/0.7	Hw/1.7	Pl/1.2	Ss/2.0	Yc/1.0	
	10	Ba/1.5	Cw/1.0	Fd/1.5	Hm/0.7	Hw/1.7	Pl/1.2	Yc/1.0		
	11	Ba/1.5	Cw/1.0	Fd/1.5	Hm/0.7	Hw/1.7	Ss/2.0	Yc/1.0		
CWH xm	01	Cw/1.5	Dr/4.0	Fd/3.0	Hw/2.0	Pw/2.5				
	02	Fd/2.0	Pl/1.2							
	03	Cw/1.0	Fd/2.0	Hw/1.2	Pl/1.2	Pw/2.5				
	04	Cw/1.5	Dr/4.0	Fd/3.0	Hw/2.0	Pw/2.5				
	05	Cw/2.0	Dr/4.0	Fd/4.0	Hw/1.7	Pw/2.5				
	06	Cw/1.5	Fd/3.0	Hw/2.0						

BEC	Site Series	Species ^{1,2,3,4,5,6,7} /Minimum Free Growing Height (m)								
	07	Bg/3.5	Cw/2.0	Dr/4.0	Fd/4.0	Hw/1.7				
	08	Bg/3.5	Cw/2.0	Fd/4.0	Ss/4.0					
	09	Bg/3.5	Cw/2.0	Ss/4.0						
	11	Cw/1.0	Pl/1.2							
	12	Cw/1.0	Hw/1.5	Pw/2.5	Ss/1.5					
	13	Bg/3.5	Cw/2.0	Fd/4.0						
	14	Bg/3.5	Cw/2.0							
	15	Cw/2.0								
MH mm1	01	Ba/0.6	Bp/1.0	Hm/1.0	Hw/1.0	Se/1.0	Yc/1.0			
	02	Ba/0.6	Hm/0.7	Se/0.7	Yc/0.7					
	03	Ba/0.6	Bp/1.0	Hm/1.0	Hw/1.0	Yc/1.0				
	04	Ba/0.6	Hm/1.0	Hw/1.0	Yc/1.0					
	05	Ba/0.6	Hm/1.0	Hw/1.0	Yc/1.0	Bp/1.0				
	06	Ba/0.6	Hm/0.7	Yc/0.7	Hw/0.7					
	07	Ba/0.6	Hm/0.7	Yc/0.7	Hw/0.7					
	08	Hm/0.7	Yc/0.7	Hw/0.7						
	09	Hm/0.7	Yc/0.7	Hw/0.7	Ba/0.6					

- 1 Where alder (Dr) is listed in the foregoing table:
 - (a) the alder will, subject to subparagraph (b), comprise not more than 5% of the **Crop Trees** per hectare for a **standards unit**; and
 - (b) if an area within a **standards unit** contains root rot:
 - (i) the alder may comprise up to 100% of the **Crop Trees** per hectare for that area; and
 - (ii) the 5% limit under subparagraph (a) for the **standards unit** will be adjusted upward to reflect the 100% permitted under clause (i) and the weighted proportion of the area referred to in clause (i) relative to the total area of the **standards unit**.
- 2 Within the CWH xm, where western hemlock (Hw) is listed in the foregoing table:
 - (a) the western hemlock will, subject to subparagraph (b), comprise not more than 10% of the **Crop Trees** per hectare planted within the **standards unit**; and
 - (b) if a **standards unit** contains more than 50% site series 06, the western hemlock may comprise up to 50% of the **Crop Trees** per hectare planted within the **standards unit**
- 3 Where noble fir (Bp) is listed in the foregoing table; the noble fir will be limited to a medium, or better, soil nutrient regime.
- 4 Where western white pine (Pw) is listed in the foregoing table:
 - (a) the western white pine will, subject to subparagraph (b), comprise not more than 20% of the **Crop Trees** per hectare planted within the **standards unit** ;
 - (b) the western white pine planted will be from a class “A” seed source; and
 - (c) if an area within a **standards unit** contains root rot:

- (i) the western white pine may comprise up to 50% of the **Crop Trees** per hectare for that area; and
 - (ii) the 20% limit under subparagraph (a) for the **standards unit** will be adjusted upward to reflect the 50% permitted under clause (i) and the weighted proportion of the area referred to in clause (i) relative to the total area of the **standards unit**.
- 5 Where sitka spruce (Ss) is listed in the foregoing table:
 - (a) the sitka spruce planted will be from a class “A” seed source; and
 - (b) the sitka spruce will comprise not more than 50% of the **Crop Trees** per hectare planted within the **standards unit** .
- 6 Where Douglas-fir (Fd) is listed in the foregoing table, the Douglas-fir will be planted only where harvesting of the **standards unit** removes at least 80 percent of the basal area that existed on the **standards unit** immediately prior to the harvest.
- 7 For the purpose of selecting species to be planted from the foregoing table, a **Holder of this FSP**, will document within the **Silviculture Instructions**, species by BEC and site series that:
 - (a) are ecologically suitable;
 - (b) are consistent with the timber supply analysis and forest management assumptions that apply to this **FSP** that pertain to the standards unit as of the **Legislative Planning Date**;
 - (c) address immediate and long term forest health issues for the area within **FDU #1**; and
 - (d) are consistent with maintaining or enhancing an economically valuable supply of commercial timber.

APPENDIX D.2:

HARDWOOD STOCKING

(Paragraphs 5.2.1(b) and 5.2.7 of this FSP)

1. Sites on Which Hardwood Management May be Used

For the purposes of Paragraphs 5.2.1(b) and 5.2.7 of this FSP, a **Holder of this FSP** may use the following species on the following sites:

BEC	Site Series	Species^{1,2/} Minimum Free Growing Height (m)									
CWHdm	01	Cw/1.5	Dr/4.0	Fd/3.0	Hw/3.0	Pw/2.5					
	05	Bg/3.5	Cw/2.0	Dr/4.0	Fd/4.0	Hw/4.0	Pw/2.5				
	06	Cw/1.5	Dr/4.0	Fd/3.0	Hw/3.0						
	07	Bg/3.5	Cw/2.0	Dr/4.0	Fd/4.0	Hw/4.0					
	08	Bg/3.5	Cw/2.0	Dr/4.0							
	09	Bg/3.5	Cw/2.0	Dr/4.0							
	13	Bg/3.5	Cw/2.0	Dr/4.0	Fd/4.0						
	14	Bg/3.5	Cw/2.0	Dr/4.0							
CWHmm1	01	Ba/0.7	Bp/2.0	Cw/1.5	Dr/4.0	Fd/3.0	Hw/2.0	Yc/1.5			
	05	Ba/0.7	Bp/2.0	Cw/1.5	Dr/4.0	Fd/3.0	Hw/2.0	Pw/2.5			
	06	Ba/0.7	Cw/1.5	Dr/4.0	Fd/3.0	Hw/2.0	Yc/1.5				
	07	Ba/1.0	Bp/2.0	Cw/1.5	Dr/4.0	Fd/4.0	Hw/2.5	Yc/1.5			
	08	Ba/1.0	Cw/2.0	Dr/4.0	Ss/4.0	Yc/2.0					
	09	Ba/1.0	Cw/2.0	Dr/4.0	Ss/4.0						
CWHvh1	04	Ba/2.2	Cw/2.0	Dr/4.0	Fd/1.7	Hw/1.7	Ss/4.0				
	05	Ba/2.2	Cw/2.0	Dr/4.0	Fd/1.7	Hw/1.7	Ss/4.0	Yc/2.0			
	06	Ba/2.2	Cw/2.0	Dr/4.0	Hw/1.7	Ss/4.0	Yc/2.0				
	07	Ba/2.2	Cw/2.0	Dr/4.0	Hw/1.7	Ss/4.0					
	08	Ba/2.2	Cw/2.0	Dr/4.0	Hw/1.7	Ss/4.0					
	09	Ba/2.2	Cw/2.0	Dr/4.0	Hw/1.7	Ss/4.0					
CWHvm1	01	Ba/1.7	Cw/1.5	Dr/4.0	Fd/3.0	Hw/3.0	Ss/3.0	Yc/1.5			
	05	Ba/1.7	Cw/1.5	Dr/4.0	Fd/3.0	Hw/3.0	Ss/3.0	Yc/1.5			
	06	Ba/1.7	Cw/1.5	Dr/4.0	Fd/3.0	Hm/1.5	Hw/3.0	Ss/3.0	Yc/1.5		
	07	Ba/2.2	Cw/2.0	Dr/4.0	Fd/4.0	Hw/4.0	Ss/4.0	Yc/2.0			
	08	Ba/2.2	Cw/2.0	Dr/4.0	Fd/4.0	Hw/4.0	Ss/4.0	Yc/2.0			
	09	Ba/2.2	Cw/2.0	Dr/4.0	Fd/3.0	Hw/4.0	Ss/4.0	Yc/2.0			
	10	Ba/2.2	Cw/2.0	Dr/4.0	Fd/3.0	Hw/4.0	Ss/4.0	Yc/2.0			
	14	Ba/1.7	Cw/1.5	Dr/4.0	Fd/3.0	Hm/1.5	Hw/3.0	Pl/2.0	Ss/3.0	Yc/1.5	
CWHxm	01	Cw/1.5	Dr/4.0	Fd/3.0	Hw/2.0	Pw/2.5					
	05	Cw/2.0	Dr/4.0	Fd/4.0	Hw/1.7	Pw/2.5					
	06	Cw/1.5	Dr/4.0	Fd/3.0	Hw/2.0						
	07	Bg/3.5	Cw/2.0	Dr/4.0	Fd/4.0	Hw/1.7					
	08	Bg/3.5	Cw/2.0	Dr/4.0	Fd/4.0	Ss/4.0					
	09	Bg/3.5	Cw/2.0	Dr/4.0	Ss/4.0						
	13	Bg/3.5	Cw/2.0	Dr/4.0	Fd/4.0						
	14	Bg/3.5	Cw/2.0	Dr/4.0							

2. Regeneration Date, Stocking Levels and Other Matters Where Alder Used

If a **Holder of this FSP** uses the species on the sites referred to in Paragraph 1 of this Appendix, the following will apply:

- (a) at least 80% of the **Crop Trees** will be alder (Dr);
- (b) if **Crop Trees** other than alder are present, the **standards unit** will be managed as a deciduous leading micro patch mixedwood comprised of small distinct and discreet patches, of greater than 0.5 ha of pure conifer and alder intermixed in the **standards unit**;
- (c) target stocking level will be as specified in Paragraph 5.2.3(a)(ii);
- (d) the stocking level for the stocking standards referred to in sections 16(3)(a) and 44(1)(a) of the **FPPR** will be an average within a **standards unit** of not less than 900 **Crop Trees** per hectare;
- (e) the stocking level for the stocking standards referred to in sections 16(3)(b) and 44(1)(b) of the **FPPR** will be an average within a **standards unit** of not less than 700 **Crop Trees** per hectare;
- (f) the minimum horizontal intertree distance for the stocking standards referred to in sections 16(3)(a) and (b) and 44(1)(a) and (b) of the **FPPR** will be the distance specified in Paragraphs 5.2.4 (a) and (b) of this **FSP**;
- (g) the free growing height referred to in sections 16(3)(b) and 44(1)(b) of the **FPPR** will be not less than that specified in Paragraph 1 of this Appendix; and
- (h) if the stocking level of red alder trees within a **standards unit** exceeds 1500 trees per hectare greater than 4.0 meters in height, that **Holder of this FSP** will, before the stand reaches age 12, reduce that stocking level to between 700 and 900 **Crop Trees** per hectare.

¹ Within the CWH xm, where western hemlock (Hw) is listed in the foregoing table the western hemlock will comprise not more than 10% of the **Crop Trees** per hectare planted within the standards unit.

² For the purpose of selecting species to be planted from the foregoing table, a **Holder of this FSP**, will document within the **Silviculture Instructions**, species by BEC and site series that:

- (a) are ecologically suitable;
- (b) are consistent with the timber supply analysis and forest management assumptions that apply to this **FSP** that pertain to the standards unit as of the **Legislative Planning Date**;
- (c) address immediate and long term forest health issues for the area within **FDU #1**; and
- (d) are consistent with maintaining or enhancing an economically valuable supply of commercial timber.