



**Forest Stewardship Plan
Amendment
for
Wetzin'kwa
Community Forest Corporation
in the
Skeena-Stikine Forest District,
Bulkley Timber Supply Area**

July 16, 2009

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1.0 INTERPRETATION

1.1 *Wetzin'kwa Community Forest K2P - Management Plan*

In addition to the current planning framework, including the Bulkley LRMP and its attendant management zones, guidance on the management of the Wetzin'kwa Community Forest licence is also provided in the Wetzin'kwa Community Forest K2P – Management Plan. The approved Wetzin'kwa Community Forest Management Plan sets important management direction through its 'Management Goals' and 'Guiding Principles'. This direction is non-legal from the standpoint of the Forest and Range Practices Act and therefore is not addressed specifically in the Wetzin'kwa Forest Stewardship Plan, but is essential to the management of the tenure. See the Supplemental Information document for details on how the Forest Stewardship Plan links to the Management Plan.

1.1.1 Forest Stewardship Plan – Contributing Sections

Section 1.0 is a preamble referencing the approved Wetzin'kwa Forest Management Plan and is not part of the legal Forest Stewardship Plan. The Sections of this document that comprise the Forest Stewardship Plan are provided in Section 1.2 through Section 8.0, as well as the Appendices A through E.

1.2 Definitions

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

- (a) **“Act”** means the *Forest and Range Practices Act* SBC 2002, c.69;
- (b) **“BEC”** means biogeoclimatic ecological classification;
- (c) **“Bulkley LRMP”** means the Bulkley Land and Resource Management Plan approved by Cabinet in March of 1998 with direction for the participating ministries to implement the plan;
- (d) **“Bulkley LRMP (HLP - 2000)”** means the December 2000 Order establishing Resource Management Zones and Resource Management Zone Objectives within the area covered by the Bulkley LRMP pursuant to sections 3(1) and 3(2) of the *Forest Practices Code of British Columbia Act*;
- (e) **“Bulkley LRMP (HLP - 2006)”** means the November 2006 Order establishing land use objectives in the Bulkley TSA to replace Appendix 1 of the Bulkley LRMP (HLP – 2000); and biodiversity objectives of the Bulkley LRUP.
- (f) **“CHR”** means a cultural heritage resource that is the focus of a traditional use by an aboriginal people, has evidence of past use, is of continuing importance to that people and is not regulated under the *Heritage Conservation Act*;
- (g) **“Effective Date”** means the date the **Term** commences, as specified in Division 3.3
- (h) **“FDU”** means a forest development unit specified in Division 4.1;



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- (i) **“Forest Act”** means the *Forest Act* RSBC 1996, c.157;
- (j) **“FPC”** means the *Forest Practices Code of British Columbia Act* RSBC 1996, c.159 and regulations thereunder;
- (k) **“FPPR”** means the Forest Planning and Practices Regulation B.C. Reg. 14/2004;
- (l) **“FRPA”** means the **Act** and regulations thereunder;
- (m) **“FSP”** means forest stewardship plan;
- (n) **“FSP Holder”** means a holder of a licence specified in Division 2.1;
- (o) **“Inaccessible Road”** means a road where **Motorized Access** is restricted through the use of barriers, access control points, gates or road deactivation activities;
- (p) **“Legislated Planning Date”** means:
- (i) subject to subclause (ii), the date 4 months before the **Submission Date**; or
 - (ii) if an enactment or an established objective requires that a date different than the date referred to in subclause (i) be applied under this FSP, then that different date;
- (q) **“Main Haul Road”** means a forestry road used to access an entire landscape unit or operating area and, for greater certainty, but without limiting the foregoing, means, as of the **Submission Date**, the following roads in the Bulkley Timber Supply Area: 1000 road, 2000 road, 3000 road, 4000 road, 6000 road, 7000 road, 8000 road and 9000 road;
- (r) **“Map”**, when followed by a number, means the map of that number in Appendix C to this FSP;
- (s) **“Mature Stand”** and **“Over Mature Stand”** means a stand of timber older than age class 7;
- (t) **“Motorized Access”** means access that permits the passage of insurable 2 wheel drive or 4 wheel drive motor vehicles not intended for off-road usage;
- (u) **“NAR”** means the net area to be reforested;
- (v) **“Patch”** means stand of trees that is larger than 1 hectare in size, even aged and differing in age from adjacent stands by more than 20 years;
- (w) **“Classified Riparian Feature”** means a stream, wetland or lake with a riparian class determined under Division 3 (*Riparian areas*) of Part 4 (*Practice requirements*) of the **FPPR**;
- (x) **“Rotation”** means the time needed from regeneration of crop trees until those trees are harvestable timber and, for greater certainty, but without limiting the foregoing, means for the SBS 80-100 years and for the ESSF/ICH/CWH/MH 100-120 years;
- (y) **“RMA”** means the riparian management area which is an area described under Division 3 (*Riparian areas*) of Part 4 (*Practice requirements*) of the **FPPR**, that consists of a riparian management zone and a riparian reserve zone;
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- (z) **“Submission Date”** means the date this FSP is submitted for approval, as specified in Division 3.1;
 - (aa) **“Temporary Road”** means a road intended to facilitate short term harvesting, hauling and silviculture activities, typically planned to be an **Inaccessible Road** within two years of construction; and
 - (bb) **“Term”** means the period during which this FSP is in effect, as determined from Divisions 3.2 and 3.3.

1.3 Organization

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

- 1. Part;
 - 1.1 Division;
 - 1.1.1 Paragraph;
 - 1.1.1.1 Subparagraph;
 - (a) Clause;
 - (i) Subclause,

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

1.4 Headings and Background Information

The headings in this FSP and the provisions titled “Background Information”, including the contents thereof, 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.

1.5 Appendices Part of FSP

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



2.0 APPLICATION OF THIS FSP

2.1 Licences

In respect of Wetzin'kwa Community Forest Corporation this FSP applies to Community Forest Licence K2P.

2.2 Application of this FSP's Stocking Standards

In respect of Wetzin'kwa Community Forest Corporation, for the purposes of sections 197(5) and (7) of the Act, the stocking standards described in Part 7 of this FSP apply to the standard units of each cutblock to which those sections apply that:

- (a) are within an FDU; and
- (b) on or after the Effective Date become subject to an obligation to establish a free growing stand.

3.0 TERM OF THIS FSP

3.1 Submission Date

The Submission Date of this FSP Amendment is: July 16, 2009

3.2 Length of Term

The length of the **Term** of this FSP is 5 years, unless:

- (a) the FSP Holder elects to replace it with another approved forest stewardship plan; or
- (b) it is extended pursuant to FRPA.

3.3 Commencement of Term

The **Term** of this FSP Amendment commences on the date specified under section 6(1) of the **Act**, which date is: _____



4.0 IDENTIFYING FOREST DEVELOPMENT UNITS

4.1 Boundaries of FDU

For the purposes of sections 5(1)(a) of the **Act** and 14(1) of the FPPR, the boundary of the forest development unit under this FSP are shown on Map 1.

4.2 Areas Considered Approved

For the purposes of sections 196(1) and (2) of the **Act**, the cutblocks and roads referred to in those sections are shown on Map 1, and listed in Appendix D.

4.3 Designations, Permits and Other Things

For the purposes of sections 14(2) and (3) of the FPPR:

- (a) Map 1 identifies and Appendix D and E lists the cutting permits/TSLs
- (b) Maps 1, 2 and 3 identify all of the other things, required to be identified by those sections.

5.0 RESULTS OR STRATEGIES

Background Information
<p>As of November 6, 2006, the Bulkley LRMP (HLP – 2006) is in effect. The Bulkley LRMP (HLP 2006) replaces the biodiversity objectives of the Bulkley LRMP (1998) and the objectives for Bulkley Timber Supply Area (Appendix 1) of the Bulkley LRMP (HLP – 2000).</p> <p>The results or strategies that follow apply to the Bulkley LRMP (HLP – 2006) and the Bulkley LRMP (HLP – 2000) appendices 2, (Agriculture/Wildlife Zone), 3 (Special Management Zone 1) and 4 (Special management Zone 2)</p>

5.1 Objectives set by Government for Biodiversity

5.1.1 Ecosystem Representation: Core Ecosystems

Background Information	
Summary of Objective	<p>(a) Maintain biodiversity by representing a cross section of naturally-occurring ecosystems in identified core ecosystem on map 2.</p> <p>(b) Maintain biodiversity by maintaining some areas with forest interior conditions in identified core ecosystems on map 2</p> <p>(c) Maintain biodiversity by retaining representative examples of rare and endangered plant communities in core ecosystems on map 2 by</p> <ul style="list-style-type: none"> (i) not expanding range use in core ecosystems; and (ii) not harvesting timber in core ecosystems unless it is necessary for: <ul style="list-style-type: none"> A. protecting the integrity and function of the ecosystem; B. mineral and energy exploration and development; C. providing access to timber outside the core ecosystem that would otherwise be isolated, or D. forest health control where there is a risk to operable timber outside of the core ecosystem
Source of Objective	Bulkley LRMP (HLP – 2006) Objectives (Objective 1.2) established under section 93.4 (1) of the Land Act
Date Objective in Effect	November 6, 2006

Result or Strategy

5.1.1.1 Definition

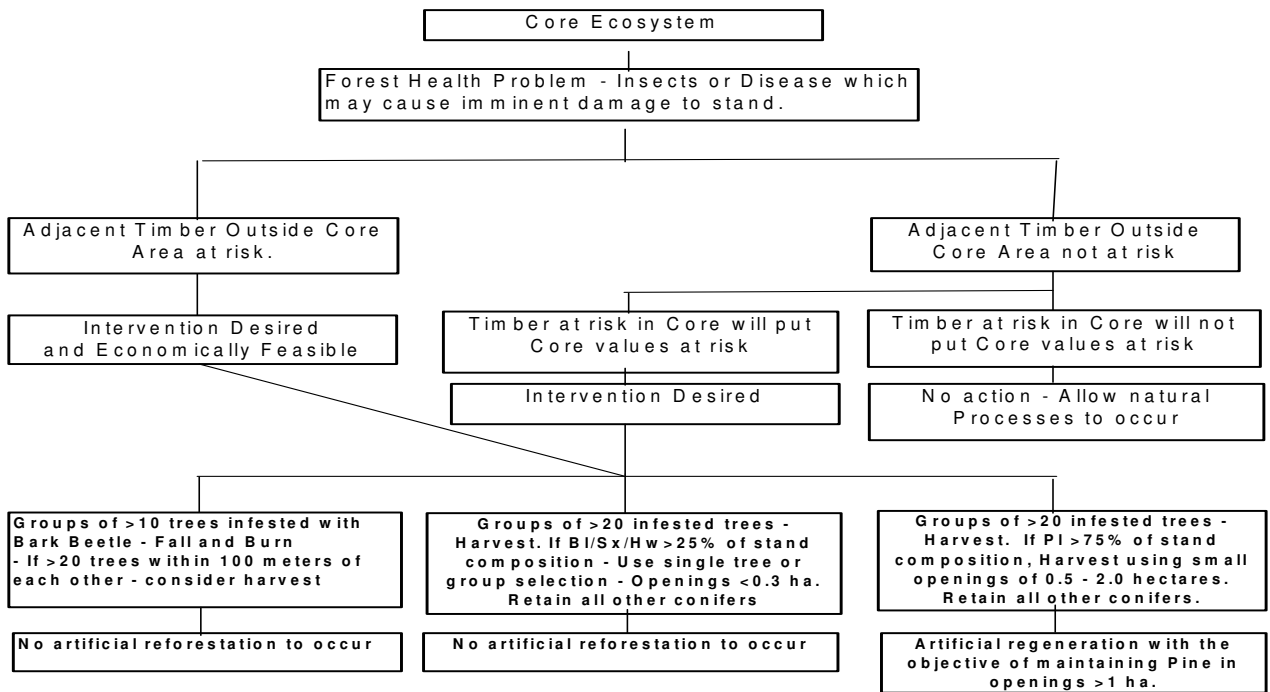
In Subparagraph 5.1.1.2, “**Core Ecosystem**” means a core ecosystem shown on Map 5 in the **Bulkley LRMP (HLP - 2006)** as of the **Legislated Planning Date**.

5.1.1.2 Limitation on Roads and Harvesting in Core Ecosystems

If harvesting a cutblock or constructing a road to which this FSP applies and within a Core Ecosystem, the FSP Holder will:

- (a) not construct a:
- (i) permanent access structure; or
 - (ii) a road,
 - A. in that Core Ecosystem unless:
 - (iii) in the case of either a permanent access structure or a road, there is no other practicable option for conducting the harvesting described in clause (b); or
 - (iv) in the case of a road, it is the only practicable option for accessing operable timber outside the Core Ecosystem; and
- (b) undertake that harvesting in accordance with Figure 1:

Figure 1: Decision Matrix for Harvesting in Core Ecosystems



Silviculture - Commitment to stocking. Plant only to maintain ecological integrity of the stand.
Site Plans required only for opening >1.0 ha.

Where harvesting within Core Ecosystems results in openings > 1 ha, the Reforestation Target Stocking Standard (TSS) will be equal to the Minimum Stocking Standards (MSS), as defined by Appendix A for the corresponding BEC site series of the site.



5.1.2 Connectivity: Landscape Corridors

Background Information	
Summary of Objective	<p>a. <i>Maintain, within a managed forest setting, habitat connectivity across the landscape by maintaining landscape corridors dominated by mature tree cover and containing most of the structure and function associated with old forest, identified in Map 2.</i></p> <p>b. <i>Maintain, within a managed forest setting, movement and dispersal of organisms in landscape corridors identified in Map 2.</i></p>
Source of Objective	<i>Bulkley LRMP (HLP – 2006) Objectives (Objective 1.3)</i>
Date Objective in Effect	November 6, 2006

Result or Strategy

5.1.2.1 Definitions

In Subparagraph 5.1.2.2:

- (a) **“Functional Old Forest”** means coniferous leading or deciduous leading forest older than 80 years; and
- (b) **“Landscape Corridor”** means a landscape corridor shown on Map 5 in the **Bulkley LRMP (HLP - 2006)** as of the **Legislated Planning Date**.

5.1.2.2 Limits on Activities in Landscape Corridors

If harvesting a cutblock or constructing a road to which this FSP applies within a Landscape Corridor, the FSP Holder will:

- (cc) not cause, as a result, and as of the conclusion, of that harvesting, the area of Functional Old Forest on Crown forested land associated with a cutblock within a Landscape Corridor to be less than 70% of such area;
- (dd) limit the size of each clearcut opening within the cutblock, so that it does not exceed the greater of:
 - (i) 3.0 hectares; or
 - (ii) if the Landscape Corridor is infested by insects, the area necessary to harvest the infested timber;
- (ee) not build a permanent access structure unless no other practicable alternative exists for accessing or extracting timber; and
- (ff) not construct a road outside a cutblock but within the Landscape Corridor unless no other practicable option exists for accessing or extracting timber outside the Landscape Corridor.



5.1.3 Seral Stage

Background Information	
Summary of Objective	<i>Maintain biodiversity by maintaining a natural seral-stage distribution specified in the objective</i>
Source of Objective	<i>Bulkley LRMP (HLP – 2006) Objectives (Objective 1.1)</i>
Date Objective in Effect	November 6, 2006

Result or Strategy

5.1.3.1 Definitions

In Subparagraphs 5.1.3.2 and 5.1.3.3:

- (a) **“Seral Stage Target”** means the seral-stage targets by landscape unit and **BEC** subzone set out in Table 1 of Objective 1.1 in the **Bulkley LRMP (HLP - 2006)** as of the **Legislated Planning Date**; and
- (b) **“Old”**, **“Mature”** and **“Young”** have the meaning given them in Objective 1.1 in the **Bulkley LRMP (HLP - 2006)** as of the **Legislated Planning Date**.

5.1.3.2 Limits on Activities to Maintain Natural Seral Stage Distribution

Subject to Subparagraph 5.1.3.3, if harvesting a cutblock greater than 1 hectare in size to which this FSP applies, the FSP Holder will not by, and as of the conclusion of, that harvesting, cause the amount of:

- (a) Old, or Mature and Old timber to fall below; or
- (b) Young timber to exceed,

the applicable Seral Stage Target.

5.1.3.3 Limits on Activities Where Targets Already Not Met

If, as of the commencement of harvesting referred to in Subparagraph 5.1.3.2, the amount of:

- (a) Old or Mature and Old timber is less than; or
- (b) Young timber is greater than,

the applicable Seral Stage Target, such harvesting will be limited to an amount that is:

- (c) consistent with a rate of harvesting that enables the Seral Stage Targets for Old and Mature and Old to be achieved over a **Rotation**.



5.1.4 Wildlife and Biodiversity – Landscape Level.

Background Information	
Summary of Objective	<i>Without unduly reducing the supply of timber from British Columbia's forests and to the extent practicable, to design areas on which timber harvesting is to be carried out that resemble, both spatially and temporally, the patterns of natural disturbance that occur within the landscape.</i>
Source of Objective	<i>FPPR s.9</i>
Date Objective in Effect	<i>January 31, 2004</i>

Result or Strategy

5.1.4.1 Limitations on Harvesting to Provide Patch Size Distribution

The FSP Holder will limit the size of cutblocks it harvests and to which this FSP applies such that the **Patch** size distribution created by that harvesting, by landscape unit, and natural disturbance types, will trend over time towards the applicable ranges specified in Table I, except for the following:

- (a) Within the Community Forest RMZ, **Patch** size will not exceed 10 hectares.

TABLE I: PATCH SIZE DISTRIBUTION BY NATURAL DISTURBANCE TYPE (NDT).

Natural Disturbance Type	Patch Size Distribution		
	<40 hectares	40-80 hectares	> 80 hectares
NDT 1 and 2 ^a	30-40%	30-40%	20-40%
NDT 3 ^b	<40 hectares	40-250 hectares	> 250-1000 hectares
	10-20%	10-20%	60-80%

^a includes ESSFmk/wv, MHmm2, CWHws2, ESSFmc and ICHmc1/mc2

^b includes SBSdk/mc2



5.1.5 Tree Species Diversity

Background Information	
Summary of Objective	<i>Maintain a diversity of coniferous and deciduous species representing the natural species composition for each biogeoclimatic subzone.</i>
Source of Objective	<i>Bulkley LRMP (HLP - 2006) Objectives (Objective 1.4)</i>
Date Objective in Effect	November 6, 2006

Result or Strategy

5.1.5.1 Activities Pertaining to Tree Species Diversity

If harvesting a cutblock to which this FSP applies, the FSP Holder will if, immediately before the harvesting commences, the volume of standing timber of deciduous species in the cutblock is greater than 10% of the net merchantable volume of all standing timber in the cutblock, retain at the conclusion of that harvesting, deciduous species in wildlife tree retention areas or riparian reserve zones that relate to the cutblock.

5.1.6 Stand Structure

Background Information	
Summary of Objective	<i>Maintain a diversity of attributes of old forest, such as coarse woody debris and standing dead and live trees, in managed stands in the percentages identified in Table 2 in the objective.</i>
Source of Objective	<i>Bulkley LRMP (HLP - 2006) Objectives (Objective 1.5)</i>
Date Objective in Effect	November 6, 2006

TABLE II. WTP REQUIREMENTS BY BEC SUBZONE AND LU

LU	CWHws2	ESSFmc	ESSFmk	ESSFwv	ICHmc1	ICHmc2	MHm2	SBSdk	SBSmc2
Bulkley Valley		5			3	5		5	7
Telkwa	3	3	1	1				3	7
Copper	5	1		3			1		5
Trout Creek				1	7	3		1	1

Percentage of cutblock TAUP to be retained in wildlife tree retention areas by BEC subzone and landscape unit for harvesting that occurs under this FSP.



Result or Strategy

5.1.6.1 Wildlife Tree Retention

If harvesting a cutblock to which this FSP applies that is 15 hectares or greater in size, the FSP Holder:

- (a) will, subject to clause (b), retain at the completion of that harvesting, a wildlife tree retention area that relates to the cutblock of not less than 50% of the amount specified in Table 2 of the Bulkley LRMP (HLP - 2006) Objective 1.5, as it was on the **Legislated Planning Date**;
- (b) may relate a wildlife tree retention area required under clause (a) to more than one cutblock if all of the cutblocks that relate to the wildlife tree retention area collectively meet the applicable requirements of the Bulkley LRMP (HLP -2006) Objective 1.5, as it was on the **Legislated Planning Date**; and
- (c) will specify a wildlife tree retention area required under clause (a):
 - (i) in an area that contains attributes of old forest stand structure such as standing dead trees, standing live trees, and coarse woody debris; or
 - (ii) where the attributes referred to in subclause (i) are not available within the cutblock, in an area that is representative of the cutblock conditions immediately before the harvesting commenced.

If harvesting a cutblock to which this FSP applies that is less than 15 hectares in size, the FSP Holder:

- (a) will, subject to clause (b), retain at the completion of that harvesting, a wildlife tree retention area located within 500 meters of the cutting permit and that relates to the amount specified in Table 2 of the Bulkley LRMP (HLP - 2006) Objective 1.5, as it was on the **Legislated Planning Date**;
- (b) may relate a wildlife tree retention area required under clause (a) to more than one cutblock if all of the cutblocks that relate to the wildlife tree retention area collectively meet the applicable requirements of the Bulkley LRMP (HLP -2006) Objective 1.5, as it was on the **Legislated Planning Date**; and
- (c) will specify a wildlife tree retention area required under clause (a):
 - (i) in an area that contains attributes of old forest stand structure such as standing dead trees, standing live trees, and coarse woody debris; or
 - (ii) where the attributes referred to in subclause (i) are not available within the cutblock, in an area that is representative of the cutblock conditions immediately before the harvesting commenced.

5.1.6.2 Restriction on Harvesting Wildlife Tree Retention Areas

The FSP Holder will not harvest a wildlife tree retention area referred to in clause (a) unless:

- (a) the trees on the net area to be reforested of the cutblock to which the wildlife tree retention area relates have developed attributes that are consistent with a mature seral condition; or
- (b) the FSP Holder specifies one or more wildlife tree retention areas that provide an area, number of trees or habitat that is equivalent to the portion of the wildlife tree retention area that is harvested.

5.2 Objectives set by Government for Wildlife

<i>Background Information</i>		
Summary of Objective	Source of Objective	Date Objective in Effect
For moose: (a) Provide woody browse in moose winter habitat identified in Map 2 (b) Provide visual screening, security, thermal and snow-interception cover in moose winter habitat identified in Map 2.	Bulkley LRMP (HLP - 2006) Objective 2.2	November 6, 2006
For mountain goat: (a) Provide thermal and snow interception cover and forage in mountain goat habitat as identified in Map 2 (b) Provide security to mountain goats in mountain goat identified in Map 2 by limiting disturbance. (c) Provide forested cover adjacent to escape terrain in mountain goat habitat identified in Map 2.	Bulkley LRMP (HLP - 2006) Objective 2.3	November 6, 2006
For deer: (a) Provide woody browse during winter in deer habitat identified in Map 2 (b) Provide visual screening, security, thermal and snow-interception cover in deer habitat identified in Map 2. (c) Provide mature cover adjacent to steep, south facing slopes within deer habitat identified in Map 2.	Bulkley LRMP (HLP - 2006) Objective 2.6	November 6, 2006
For wildlife : Provide for wildlife habitat and populations by implementing and timing road location, development and maintenance activities in a manner that minimizes the effects on these values.	Bulkley LRMP (HLP - 2006) Objective 2.1	November 6, 2006

Result or Strategy

5.2.1.1 Definitions

In Paragraph 5.2.1.2:

- (a) **“Mapped Habitat”** means the area of wildlife habitat for a species, as shown on Map 2 of this FSP;



5.2.1.2 Activities Related to Wildlife Species

If harvesting a cutblock to which this FSP applies, the FSP Holder will:

- (c) in respect of Mapped Habitat for moose:
 - (i) retain at the conclusion of such harvesting within such Mapped Habitat:
 - A. where the volume of deciduous species is greater than 5% of the net merchantable stand volume of the cutblock immediately prior to commencing harvesting, wildlife tree retention areas or riparian reserve zones containing a deciduous component; and
 - B. visual screening within a cutblock located immediately adjacent to all roads, provided that such screening is available and need not be removed for safety reasons or to fulfill any other requirement under this FSP or at law;
 - (ii) not use in a cutblock within such Mapped Habitat pesticides to treat brush;
- (d) in respect of Mapped Habitat for deer:
 - (i) retain at the conclusion of such harvesting within such Mapped Habitat:
 - A. where the volume of deciduous species is greater than 5% of the net merchantable stand volume of the cutblock; immediately prior to commencing harvesting, wildlife tree retention areas or riparian reserve zones containing a deciduous component; and
 - B. where harvesting occurs adjacent to steep south facing slopes, wildlife tree retention areas adjacent to or on the steep south facing slopes; and
 - C. visual screening within a cutblock located immediately adjacent to Main Haul Roads, provided that such screening is available and need not be removed for safety reasons or to fulfill any other requirement under this FSP or at law;
 - (ii) not use in a cutblock within such Mapped Habitat pesticides to treat brush.
- (e) In respect of Mapped Habitat for Mountain goat:
 - (i) For any such harvesting within 200 meters of such Mapped Habitat:
 - A. Not create a cutblock with a net area to be reforested greater than 5 hectares in size if clearcutting; or
 - B. Harvest with a non-clearcut system;
 - (ii) not conduct such harvesting within 200 meters of such Mapped Habitat from April 15 to July 15 each calendar year.



5.2.1.3 Activities Relating to Wildlife-General

If constructing a road to which this FSP applies, the FSP Holder will:

- (f) in respect of Mapped Habitat for moose:
 - (i) not construct a road within an RMA of a stream, wetland or lake except where a road is required for a stream crossing;
 - (ii) not construct a road within 20 meters of a natural openings greater than 0.5 hectares in size;
 - (iii) where permitted to do so at law, deactivate all roads within a cutblock in such Mapped Habitat not required for future timber development by a date as soon as practicable after the FSP Holder completes for that cutblock all activities required to achieve the stocking standards that apply under this FSP to the regeneration date;
- (g) in respect of Mapped Habitat for deer:
 - (i) where permitted to do so at law, deactivate all roads within a cutblock in such Mapped Habitat not required for future timber development by a date as soon as practicable after the FSP Holder completes for that cutblock all activities required to achieve the stocking standards that apply under this FSP to the regeneration date.
- (h) In respect of Mapped Habitat for mountain goat:
 - (i) for any such road constructed within one kilometer of such Mapped Habitat, following completion of all tree planting on all areas accessed by the road, either:
 - A. if not otherwise prevented or limited from doing so by law, deactivate the road to limit Motorized Access; or
 - B. establish an access control point to limit Motorized Access along the road to that Mapped Habitat.

5.3 Objectives set by Government for Fish Habitat and Water Quality

5.3.1 Objectives set by Government for Water, Fish, Wildlife and Biodiversity within Riparian Areas

Background Information	
Summary of Objective	<i>Without unduly reducing the supply of timber from British Columbia's forests, to conserve, at the landscape level, the water quality, fish habitat, wildlife habitat and biodiversity associated with those riparian areas</i>
Source of Objective	<i>FPPR s.8</i>
Date Objective in Effect	<i>January 31, 2004</i>

Result or Strategy

5.3.1.1 Definition

In Subparagraph 5.3.1.3:

- (a) “**DBH**” means diameter at breast height;
- (b) “**RMZ**” means riparian management zone; and
- (c) “**Stub**” means a live or dead tree that has had its top removed, leaving a high stump.

5.3.1.2 Activities in Riparian Areas

The FSP Holder adopts as a result or strategy under this FSP, applicable to the **FDU**, sections 47(4) to (6), 48(3) to (5), 49(2) and (3), 50(1) to (3), 51(1) to (3), 53, 54, 55(1) and (2), 56(1) to (3), 57 and 58 of the FPPR.

The FSP holder will not use within the RMA of a riparian classified feature pesticides or herbicides to treat brush.

5.3.1.3 Retention in RMZ's

If, for the purposes of section 12(3) and 12.3 (6) of the FPPR, the FSP Holder, when felling trees in a cutblock to which this FSP applies within an RMZ of a riparian feature, will, at the conclusion of that activity:

- (a) if the riparian feature to which the RMZ applies has, under the FPPR, a riparian reserve zone greater than 0 meters in width:
 - (i) not harvest a minimum of 25% of the RMZ area within the cutblock that existed immediately before the commencement of the felling; or
 - (ii) retain within the total area of RMZ's for such streams in a cutblock, not less than an average of 150 trees or Stubs per hectare that are greater than:



-
- A. 15 centimetres DBH; and
 - B. 2.5 meters in height;
- (b) if the riparian feature to which the RMZ applies is an S4, S5, or S6 stream or W3 wetland:
- (i) retain the brush, poles, saplings, non-merchantable conifers, and merchantable deciduous species within 5 meters of the edge of each side of the stream, measured perpendicular to its axis, to the extent such retention is practicable; and
 - (ii) that has trees in the RMZ that contribute significantly to the maintenance of stream bank or channel stability, and the stream flows directly into an S1, S2 or S3 stream, within the total area of the RMZ, retain not less than an average of 50 trees or Stubs per hectare that are greater than:
 - A. 15 centimetres DBH; and
 - B. 2.5 meters in height,

provided however, that clause (a) and (b) do not apply where:

- (c) the trees within the area not to be harvested or to be retained are infested or diseased by a forest health agent that would spread if the trees were not removed;
- (d) the trees within the area not to be harvested or to be retained are within 5 meters of either side of a skid crossing, or within the right-of-way of a stream crossing;
- (e) the cutblock is being harvested by a cable or an aerial yarding system;
- (f) immediately before the felling, there are an insufficient number of trees greater than 15 centimetres DBH to satisfy the requirements of those subparagraphs, in which case the stems greater than 15 centimetres DBH existing within the RMZ at the commencement of felling will be retained as of the conclusion of felling;
- (g) the trees in the RMZ are felled and removed because they pose a safety hazard;
- (h) the RMZ is subject to high windthrow hazard; or
- (i) felling beyond that permitted under those subparagraphs is authorized or required by the government.

5.3.2 Objectives Set by Government for Fish Habitat in Fisheries Sensitive Watersheds

Background Information											
Summary of Objective	<p>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"> (a) Conserve the natural hydrological conditions, natural stream bed dynamics and integrity of stream channels in the Fisheries Sensitive Watershed, (b) Conserve the quality, quantity and timing of water flows required by fish in the Fisheries Sensitive Watershed, and (c) Prevent the cumulative hydrological effects of primary forest activities in the Fisheries Sensitive Watershed from resulting in a material adverse impact on the fish habitat of the watershed. <p>For the purposes of this FSP, the objective applies to the following fisheries sensitive watersheds:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Watershed Common Name</th> <th style="text-align: center;">Watershed Gazetted Name</th> <th style="text-align: center;">Forest District</th> <th style="text-align: center;">GIS FSW Identifier</th> <th style="text-align: center;">Watershed Code</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Toboggan Creek</td> <td style="text-align: center;">Toboggan Creek</td> <td style="text-align: center;">Skeena Stikine</td> <td style="text-align: center;">F-6-004</td> <td style="text-align: center;">4602429</td> </tr> </tbody> </table>	Watershed Common Name	Watershed Gazetted Name	Forest District	GIS FSW Identifier	Watershed Code	Toboggan Creek	Toboggan Creek	Skeena Stikine	F-6-004	4602429
Watershed Common Name	Watershed Gazetted Name	Forest District	GIS FSW Identifier	Watershed Code							
Toboggan Creek	Toboggan Creek	Skeena Stikine	F-6-004	4602429							
Source of Objective	OrderBCReg 62/2005 dated December 28, 2005 under schedule 2 of the Forest Planning and Practices Regulation.										
Date Objective in Effect	December 28, 2005										

Result or Strategy

5.3.2.1 Definition

In Subparagraph 5.3.2.2, “FSW” means the Toboggan Creek Fisheries Sensitive Watershed, as it was on the **Legislated Planning Date** unless, after that date, any fisheries sensitive watershed is reduced in area, in which case from the date of reduction, it means that part of that fisheries sensitive watershed remaining after the reduction.

5.3.2.2 Activities within the Fisheries Sensitive Watersheds

If harvesting a cutblock or constructing a road to which this FSP applies in a FSW, the FSP Holder will:

- (a) Before harvesting a cutblock NAR exceeding 1 hectare in size, or constructing a road, determine, through a watershed assessment the following targets listed applicable to that FSW:
 - (i.) Equivalent Clearcut Area (% of total FSW area)
 - (ii.) Peak Flow Index associated with the FSW



- (iii.) Road Density (km/Km² in the FSW)
- (iv.) Stream Crossing Density (#/km² in the FSW)

(b) not cause, as of the conclusion, and by virtue, of that harvesting or road construction, such a target to be exceeded.

5.3.3 Objectives Set by Government for Water in Community Watersheds

Background Information	
Summary of Objective	<p><i>Where water is being diverted for human consumption through a licenced waterworks in specified community watersheds, prevent, within specified limits of impact on timber supply, the cumulative hydrological effects of primary forest activities within the watershed from resulting in:</i></p> <ul style="list-style-type: none"> <i>(a) a material adverse impact on the quantity of water or the timing of the flow of the water from the waterworks, or</i> <i>(b) the water from the waterworks having a material adverse impact on human health that can not be addressed by water treatment required under</i> <ul style="list-style-type: none"> <i>i. an enactment, or</i> <i>ii. the licence pertaining to the waterworks.</i>
Source of Objective	<i>FPPR s.8.2</i>
Date Objective in Effect	February 25, 2005

Result or Strategy

5.3.3.1 Activities within a Community Watershed

In the event that a Community Watershed is established in all or portion of the FDU, the FSP holder adopts as a result or strategy under this FSP, applicable to the FDU, sections 59, 60(1) and (2), 61, 62(1) and (2), 63(1) and (2), 82 (1) to (4), and 84 of the FPPR.

The FSP holder will not use pesticides or herbicides to treat brush within all of the FDU.

5.3.3.2 Activities in watersheds with a licenced waterworks

The FSP holder adopts as a result or strategy under this FSP, applicable to the FDU sections 59, 60(1) and (2), 84(1) to (4), and 84 of the FPPR

The FSP holder will not use pesticides or herbicides to treat brush within all of the FDU.



5.3.4 Objectives for Fish Habitat

Background Information	
Summary of Objective	<i>Provide for lakes containing high-value fish habitat by maintaining lakes in a full spectrum of settings including semi-primitive and primitive.</i>
Source of Objective	<i>Bulkley LRMP (HLP- 2006) Objectives (Objective 3.0)</i>
Date Objective in Effect	November 6, 2006

Result or Strategy

5.3.4.1 Definition

In Subparagraph 5.3.4.2, “**Wilderness Lake**” means a lake that, as of the **Legislated Planning Date**, has been designated by the District Manager to be a wilderness lake unless, after that date, that designation is removed from such lake, in which case from the date of removal, that lake will no longer be included within this definition.

5.3.4.2 Activities Related to Wilderness Lakes

The FSP holder will:

1. not construct a *permanent access structure* to which this FSP applies within 1 kilometer of a Wilderness Lake; and
2. subject to any restrictions in law that limit or prevent it from doing so, as soon as practicable after it has completed use of a road that, was built after the commencement of the **Term**, the FSP Holder constructed within 1 kilometer of a Wilderness Lake, modify the road so that it will not provide **Motorized Access** to that Wilderness Lake.

5.4 Enhanced Timber Development Areas

Background Information	
Summary of Objective	<i>Enhance available timber supply and improve timber quality in Enhanced Timber Development areas identified in Map 2.</i>
Source of Objective	<i>Bulkley LRMP(HLP-2006) Objectives (Objective 4.1)</i>
Date Objective in Effect	November 6, 2006

Result or Strategy

5.4.1.1 Activities Related to Mapped Enhanced Timber Development Areas

The FSP Holder will give priority to exercising the timber harvesting rights under the licences listed in Division 2.1 in Mature Stands and Over Mature Stands except where:

- (a) Other resource values reduce this priority;



- (b) Such harvesting will be inconsistent with the obligations of the FSP Holder under this FSP, FRPA, those licences, the Forest Act or any other legislation governing such harvesting;
- (c) Other areas become a higher priority for harvest because of pest or disease outbreaks, fire suppression or salvage or safety issues;
- (d) Prioritizing these areas for harvest impairs the ability of the FSP Holder to exercise those timber harvesting rights in a manner consistent with section 6 of the FPPR;
- (e) Third party harvesting, resource development or use or other action impairs the ability of the FSP Holder to harvest according to this priority;
- (f) The FSP Holder is unable to obtain authority to harvest according to this priority; or
- (g) The FSP Holder is directed by government to harvest in a manner inconsistent with this priority.

5.5 Outdoor Recreation

5.5.1 Recreation Opportunities

Background Information	
Summary of Objective	<i>Maintain or enhance a diverse range of recreational values and opportunities</i>
Source of Objective	<i>Bulkley LRMP (HLP - 2006) Objectives (Objective 5.1)</i>
Date Objective in Effect	November 6, 2006

Result or Strategy

In section 5.5.1.1, a recreation trail includes the following known recreation trails as identified on Map 1.

- 1) Silvern Lakes Trail
- 2) Toboggan Creek Trail
- 3) Twin Falls Trail
- 4) Glacier Gulch Trail
- 5) Mt. Leach Trail
- 6) Bottom Up Trail
- 7) Any FRPA section 56 interpretive forest site, recreation site and recreation trail, which may be designated, after the Legislated Planning Date.

In section 5.5.1.2, the Recreation Emphasis Area includes the area as identified on Map 1.

5.5.1.1 Activities Related to Recreation Trails

- 1) For harvesting a cutblock or constructing a road to which this FSP applies, the FSP Holder will:
 - a) if the harvesting or construction:
 - i) is adjacent to or on a recreation trail, and
 - ii) results in debris on the trail preventing access to the trail by recreational users,



as soon as practicable after conclusion of the harvesting or construction either:

- iii) remove the debris; or
 - iv) if the District Manager agrees with the FSP Holder, establish new access to the trail in accordance with that agreement.
- 2) If log hauling is required between November 1 of a given year and March 31 of a given year, over the portion of the Hudson Bay Mountain Road, where the Pine Creek Ski Trails crosses, the FSP holder will;
- i) identify in its' harvesting/log hauling contracts, that a hazard of skiers crossing the road exists, and that there is a reduced speed requirement for that section of road.

5.5.1.2 Activities Related to the Recreation Emphasis Area

- 1) The FSP holder will meet on an annual basis with the Bulkley Valley Cross Country Ski Club to review planned operations.
- 2) If the harvesting a cutblock or constructing a road is within the Recreation Emphasis Area, the FSP holder will:
 - (a) Design forest harvesting and silviculture systems that proactively address windfall hazards.
 - (b) Not create new access points to the ski trails unless no practicable alternatives exist.
 - (c) Not plan forestry activities in areas that will result in trail closures during the period between November 15 and April 1. If no practicable alternative exists, the FSP holder will:
 - i. plan activities in a manner that has the least impact to skier access.
 - ii. notify the Bulkley Valley Cross Country Ski Club prior to any planned forestry harvesting and road building activities during the period of November 15-April 1.
 - (d) Ensure ski trails or staging areas used for log hauling and/or skidding will be left free of debris and rutting on completion of forestry activities.
 - (e) Not paint or blaze trees.
 - (f) Remove, after harvesting is completed, all flagging used to mark block boundaries.
 - (g) post signage regarding forestry activities and safety.

5.5.1.3 Activities Related to Recreational Opportunities

The FSP holder will form a Resource User Group to provide a forum for recreational users to develop recreational opportunities within the community forest area.



5.5.2 Recreation Access

Background Information	
Summary of Objective	<i>Maintain reasonable access to a diverse range of recreational values and opportunities.</i>
Source of Objective	<i>Bulkley LRMP (HLP-2006) Objectives (Objective 5.2)</i>
Date Objective in Effect	November 6, 2006

Result or Strategy

In section 5.5.2.1, a recreation trail includes the following known recreation trails and areas as identified on Map 1.

- 1) Silvern Lakes Trail
- 2) Toboggan Creek Trail
- 3) Twin Falls Trail
- 4) Glacier Gulch Trail
- 5) Mount Leach Trail
- 6) Recreation Emphasis Area

5.5.2.1 Activities Related to Recreation Access

If the FSP Holder is maintaining a road or portion thereof to which this FSP applies over which **Motorized Access** to a recreation trail or recreational site exists, and then if and when the FSP Holder deactivates the road, the FSP Holder will:

- (a) if site conditions permit **Motorized Access** to be retained as of the conclusion of the deactivation, retain that access at that time; or
- (b) if site conditions do not permit **Motorized Access** to be retained as of the conclusion of the deactivation, notify the District Manager before deactivating the road and, if the District Manager and the FSP Holder agree, not deactivate the road.

5.6 Visual Quality

Background Information	
Summary of Objective	Manage viewpoints and associated scenic areas as mapped (see Appendix C) and made available at the Landscape Level (scenic areas, viewpoints and visual quality objectives have been identified in Landscape Unit Plans and in the Valley Sustainable Resource Management Plan).
Source of Objective	<i>Bulkley LRMP (HLP-2000) Objectives</i> (Objective 10). These objectives are not expected to be included in the Bulkley LRMP (HLP-2006) ; however Objective 10 from the Bulkley LRMP (HLP-2000) is expected to continue under section 181 of the Act .
Date Objective in Effect	December 19, 2000

Result or Strategy

5.6.1 Activities in Scenic Areas

- (a) The FSP Holder will design its cutblocks to which this FSP applies and that are located in scenic areas identified on Map 3 to be consistent, as viewed from the applicable public viewpoint in the Telkwa, Copper and Trout Creek Landscape Unit Plans and Bulkley Valley SRMP, with the characteristics of alteration indicated in Table [IV] for the applicable 'Visual Quality Objective', as identified, as of the Legislated Planning Date, for those scenic areas, through the process provided for in Objective 10 in the Bulkley LRMP (HLP-2000), as that Objective was as of the Legislated Planning Date, or a category of modification above that:
- (b) The FSP Holder will design its cutblocks to which this FSP applies and that are located within 150 metres of private land, such that no less than an average of 40 percent of the pre-harvest basal area is retained after the completion of harvesting for a period of 10 years:
- (c) The FSP Holder will not build a permanent access structure within 150 metres of private land unless no other practicable alternative exists for accessing or extracting timber.



TABLE IV: CHARACTERISTICS OF ALTERATION BY CATEGORY OF MODIFICATION

Visual Quality Objective (as identified through the process provided in Objective 10 of the Bulkley LRMP (HLP – 2000) as of the Legislated Planning Date)	Characteristics of Alteration Caused by a Cutblock, when assessed from a viewpoint
Preservation	1) Very small in scale and 2) not easily distinguishable from the pre-harvest landscape.
Retention	1) Difficult to see, 2) small in scale, and 3) natural in appearance.
Partial Retention	1) Easy to see, 2) small to medium in scale and 3) natural and not rectilinear or geometric in shape.
Modification	1) Is very easy to see, and 2) Is (A) large in scale and natural in its appearance, or (B) small to medium in scale but with some angular characteristics:

5.7 Objectives set by Government for Cultural Heritage Resources

Background Information	
Summary of Objective	<i>To conserve, or, if necessary, protect cultural heritage resources that are (a) the focus of a traditional use by an aboriginal people that is of continuing importance to that people, and (b) not regulated under the Heritage Conservation Act.</i>
Source of Objective	<i>FPPR s.10</i>
Date Objective in Effect	<i>January 31, 2004</i>

Result or Strategy

5.7.1.1 Definition

In Subparagraph 5.7.2 “**CHR**” means a *cultural heritage resource* that is the focus of a traditional use by an aboriginal people, has evidence of past use, is of continuing importance to that people and is not regulated under the *Heritage Conservation Act*;

In Subparagraph 5.7.2 “**Cultural Heritage Resource Evaluation**”: means a process conducted by a qualified person and consisting of the following steps:

- (a) Record the location of the cultural heritage resource and establish the age of adjacent timber;
- (b) Evaluate the direct impact of the planned development on the cultural heritage resource;
- (c) If necessary, prepare recommendations in order to conserve, mitigate, or if necessary protect, the cultural heritage resource at the location, considering:
 - (i) The relative value or importance of the cultural heritage resource to a traditional use by an aboriginal people;



-
- (ii) The relative abundance or scarcity of the cultural heritage resource
 - (iii) The historical extent of the traditional use of the cultural heritage resource;
 - (iv) The impact on the FSP holders government granted timber harvesting rights in conserving or protecting the cultural heritage resource, and
- (d) If requested communicate the results of (a) – (c) back to the Ministry of Forests and Range and the Office of the Wet'suwet'en.

5.7.2 Conserving or Protecting Cultural Heritage Resources

The FSP Holder will:

- (a) make reasonable efforts to communicate with an affected First Nation, the general areas, other than those listed in appendix D, that after the **Term** commences, are proposed for timber harvesting or road construction to which this FSP will apply; and
- (b) before harvesting a cutblock or road right of way, conduct an **CHR** evaluation on areas:
 - (i) that have high archaeological potential as identified in an AOA or additional resources that are available; or
 - (ii) for which site specific information regarding **CHR's** has been made available to the **FSP Holder** by an aboriginal people or government within the consultation period for a cutting permit or road permit in which case the **FSP Holder** will provide the **CHR** evaluation to the aboriginal people or government that provided the information;
- (c) conduct all *harvesting*, road construction and mechanical site preparation activities consistent with recommendations given in the **CHR** evaluation referred to in subparagraph (b) that are practicable and are required to conserve or, if necessary, to protect a **CHR** if it is valuable and scarce, to the extent of its historical use.
- (d) if it encounters a previously unidentified **CHR** during *harvesting*, road construction or mechanical site preparation activities:
 - (i) stop the activity to the extent necessary to protect the **CHR** until a **CHR** evaluation can be carried out; and
 - (ii) continue in a manner that is consistent with recommendations given in the **CHR** evaluation that are practicable and are required to conserve or, if necessary, protect a **CHR** if it is valuable and scarce, to the extent of its historical use.



5.8 Objectives set by Government for Soils

Background Information	
Summary of Objective	<i>Without unduly reducing the supply of timber from British Columbia's forests, to conserve the productivity and the hydrologic function of soils</i>
Source of Objective	<i>FPPR s.5</i>
Date Objective in Effect	<i>January 31, 2004</i>

Result or Strategy

5.8.1.1 Conservation of Soils Values

The FSP Holder adopts as a result or strategy applicable in the FDU sections 35, 36, 37, 39 and 40 of the FPPR.

5.9 Resource Management Zones

Background Information		
Summary of Objective	Source of Objective	Date Objective in Effect
For Glacier Gulch Resource Management Zone (Sub-unit 10-1): <i>Maintain:</i> <ul style="list-style-type: none"> • <i>visual quality within view of major river and highway corridors and recreation focus points,</i> • <i>rare ecosystems, and,</i> • <i>water quality for domestic consumption and fish habitat</i> <i>by developing timber in a manner which minimizes the effects on these values.</i>	Objective 26 in Appendix 3 to the Bulkley LRMP (HLP-2000)	December 19, 2000
For Silvern Lakes Resource Management Zone (Sub-unit 12-1): <i>Maintain:</i> <ul style="list-style-type: none"> • <i>backcountry recreation opportunities</i> • <i>visual quality</i> <i>by harvesting timber only where required for approved mineral and energy exploration and development.</i>	Objective 21 in Appendix 3 to the Bulkley LRMP (HLP-2000)	December 19, 2000
For Hudson Bay Mountain Resource Management Zone (Sub-unit 10-2): <i>Maintain:</i> <ul style="list-style-type: none"> • <i>visual quality with view of recreational focus points, and</i> • <i>recreational opportunities and access</i> <i>by developing timber in a manner which minimizes the effects of these values.</i>	Objective 27 in Appendix 3 to the Bulkley LRMP (HLP-2000)	December 19, 2000
For Community Forest Resource Management Zone (Sub-unit 10-4): <i>Maintain:</i> <ul style="list-style-type: none"> • <i>water quality for domestic consumption</i> • <i>the diversity and abundance of existing species</i> • <i>a desired mix of habitats for biodiversity</i> • <i>Recreational and educational opportunities and</i> • <i>Visual quality within view of highway 16 and recreational focus points</i> <i>by developing timber in a manner which minimizes the effects on these values.</i>	Objective 29 in Appendix 3 to the Bulkley LRMP (HLP-2000)	December 19, 2000



<p>For Copper River Resource Management Zone (Sub-unit 12-2):</p> <p><i>Maintain:</i></p> <ul style="list-style-type: none"> • <i>Visual quality within view of the Copper River corridor and recreational focus points.</i> • <i>water quality for fish habitat</i> • <i>high value fish habitat</i> • <i>important riparian ecosystems</i> • <i>red and blue listed plant communities</i> • <i>steelhead fishing opportunities in an uncrowded, natural setting along the Copper River by: developing timber in a manner which minimizes the effects on these values, not constructing new permanent roads within 1 kilometre of the Copper river, not expanding existing range use, and including the majority of this corridor within the core ecosystem.</i> 	<p>Objective 32 in Appendix 3 to the Bulkley LRMP (HLP-2000)</p>	<p>December 19, 2000</p>
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Result or Strategy

5.9.1.1 Definitions

In Paragraphs 5.9.2:

- (a) **“Glacier Gulch RMZ”** means the Glacier Gulch Resource Management Zone (Sub-unit 10-1) as specified in the Bulkley LRMP (HLP-2000),
- (b) **“Silvern Lakes RMZ”** means the Silvern Lakes Resource Management Zone (Sub-unit 12-1) as specified in the Bulkley LRMP (HLP-2000),
- (c) **“Hudson Bay Mountain RMZ”** means the Hudson Bay Mountain Resource Management Zone (Sub-unit 10-2) as specified in the Bulkley LRMP (HLP-2000),
- (d) **“Community Forest RMZ”** means the Community Forest Resource Management Zone (Sub-unit 10-4) as specified in the Bulkley LRMP (HLP-2000),
- (e) **“Copper River”** means the Copper River Resource Management Zone (Sub-unit 12-2) as specified in the Bulkley LRMP (HLP-2000),
- (f) **“RMZ’s”** means the Glacier Gulch RMZ, Silvern Lakes RMZ, Hudson Bay Mountain RMZ, Ski Smithers RMZ, Community Forest RMZ, Copper River RMZ, and

to the extent any such Resource Management Zone is shown on Map 2.



5.9.2 Activities within RMZ's

If harvesting a cutblock or constructing a road to which this FSP applies, the FSP Holder will:

- (g) in the RMZ's specified in Table [VI], achieve the results or carry out the strategies specified for the RMZ in that Table;

TABLE VI: RESULTS AND STRATEGIES APPLICABLE TO RMZ'S

RMZ	Applicable Result or Strategy (Paragraph of this FSP)
Glacier Gulch RMZ	5.3.1, 5.3.2, 5.6.1, 5.2.1.2, 5.2.1.3
Silvern Lakes RMZ	5.5.1, 5.5.2, 5.6.1, 5.2.1.2, 5.2.1.3
Hudson Bay Mountain RMZ	5.5.1, 5.5.2, 5.6.1, 5.2.1.2, 5.2.1.3
Community Forest RMZ	5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.1.6, 5.3.3, 5.5.1, 5.5.2, 5.6.1, 5.2.1.2, 5.2.1.3
Copper River RMZ	5.3.1, 5.3.2, 5.5.1, 5.5.2, 5.6.1, 5.2.1.2, 5.2.1.3

6.0 MEASURES

6.1 Measures for Preventing the Introduction or Spread of Invasive Plants

In these measures, a reference to “seed” means seed that meets or exceeds Canada Common Number 1 specifications as defined by the *Canada Seeds Act*.

In relation to section 17 of the FPPR, if the introduction or spread of species of plants that are invasive plants under the Invasive Plants Regulation are likely to be the result of the FSP Holder’s forest practices that are in the **FDU** and to which this FSP applies, the FSP Holder will:

- (a) during the first full calendar year of the **Term** and annually thereafter gather information from licensee staff, forest district range staff, or other experts to identify sites within the **FDU** that are known to contain invasive plants or are at high risk of invasive plant establishment as a result of forest practices; and
- (b) for areas outlined in (a) on which the FSP holder carries out or authorizes forest practices that result in exposed soils exceeding 0.1 ha (excluding road prism) in contiguous area, the FSP holder will ensure that:
 - (i) the areas are seeded as soon as practicable but within two growing seasons after the initiation of the disturbance associated with a forest practice.
 - (ii) the seeded areas will be monitored for 1 year following seeding to determine if the seed germinates.
 - (iii) if monitoring determines that the seeded area did not germinate, the area will be re-seeded as soon as practicable.

6.2 Measures to Mitigate the Loss of Natural Range Barriers

6.2.1.1 Definition

In Paragraph 6.2.1.2, “**Range Tenure**” means an agreement under the *Range Act* that provides grazing rights.

In Paragraph 6.2.1.2, “**known natural range barrier**” means a range barrier that has been communicated to the FSP holder by a range tenure holder and/or the Ministry of Forests and Range.

6.2.1.2 Measures

In relation to section 18 of the FPPR, the FSP Holder will:

- (a) at least 30 days before harvesting a cutblock or constructing a road to which this FSP applies and that is located within an area subject to a Range Tenure that was in effect at the time of application for the cutting permit or road permit governing the harvesting or construction and remains in effect, inform the holder of that Range Tenure of the harvesting or construction; and
- (b) if the harvesting or construction referred to in clause (a) will remove or render ineffective a known natural range barrier that a holder of a Range Tenure referred to in that clause relies upon for the purposes of that Range Tenure:
 - (i) make reasonable efforts to come to an agreement with that holder on mitigation measures, and
 - (ii) implement:
 - A. mitigation measures in accordance with the agreement referred to in subclause (i); or
 - B. reasonable mitigation measures as soon as practicable after the harvesting or construction, if an agreement referred to in subclause (i) is not reached.

7.0 STOCKING REQUIREMENTS

7.1 Definitions

In Part 7.0:

- (a) **“NSR”** means not containing a regenerated stand meeting the stocking standards in Divisions 7.3 and 7.4 and Appendices A and B of this FSP;
- (b) **“M Value for Stocking and Free Growing Surveys”** means the maximum number of healthy, well-spaced trees that may be tallied in a single plot as calculated by dividing the target stocking standard for the standards unit by the plot multiplier, which, if not a whole number, is rounded to the nearest higher whole number; and
- (c) **“Countable Conifer”** means a conifer tree with a height that is:
 - (i) 30 % of the median height of the preferred and acceptable well spaced trees in the same survey plot, if that median height is less than 2 meters; or
 - (ii) 50 % of the median height of the preferred and acceptable well spaced trees in the same survey plot, if that median height is 2 meters or greater.

7.2 Election

For the purposes of section 16(1) of the FPPR, section 44(1) of that regulation will apply to each area to which this FSP applies where the FSP Holder is required to establish a free growing stand.



7.3 General Standards

For the purposes of section 16(3) of the FPPR, for each area to which this FSP applies where the Agreement Holder is required to establish a free growing stand:

- (a) the applicable regeneration date and applicable stocking standards referred to in section 44(1)(a) of the FPPR, and
- (b) the applicable free growing date and applicable stocking standards referred to in section 44(1)(b) of the FPPR, and
- (c) for the purposes of regeneration surveys and free to grow surveys the M Value for Stocking and Free Growing Surveys and Countable Conifer as defined in Division 7.1 will apply,

are, subject to the special circumstances in Division 7.4, as set out in Appendix A opposite the **BEC** site series that occupies the largest portion of the standards unit.

7.4 Special Circumstances

The special circumstances referred to in Division 7.3 are:

- (a) where harvesting within Core Ecosystems results in openings > 1 ha, the Reforestation Target Stocking Standard (TSS) will be equal to the Minimum Stocking Standards (MSS), as defined by Appendix A for the corresponding **BEC** site series of the site.
- (b) where a standards unit does not meet the tree height over deleterious competition at free growing specified in Appendix A:
 - (i) deleterious competition at the time of free growing will be assessed using Appendix 9 of the Prince Rupert Region Establishment to Free Growing Guidebook, May 2000; and
 - (ii) the individual tree free growing assessment method (quadrant method) in Appendix 9 will apply to all **BEC** subzones in the Bulkley Timber Supply Area; and
 - (iii) the definition of upland cottonwood in Appendix 9 will be taken to mean any cottonwood not growing on a floodplain or fluvial deposit;
- (c) aspen, cottonwood and birch are not considered deleterious competition:
 - (i) within the riparian management area of a stream, wetland or lake; or
 - (ii) where there is an incidence of greater than 20% of spruce crop trees by number affected by Pissodes strobi (White Pine Weevil);
- (d) brush species within 10 meters of a **Classified Riparian Feature** are not considered deleterious competition;
- (e) for a standards unit comprised of more than one **BEC** site series:
 - (i) the preferred and acceptable species for the standards unit includes all of the preferred and acceptable species for all of the **BEC** site series comprising the standards unit;
 - (ii) the preferred and acceptable species will be planted only where they are ecologically suited within the standards unit; and



-
- (iii) the target stocking standards (stems per hectare), minimum preferred and acceptable (stems per hectare), minimum preferred (stems per hectare), minimum inter-tree distance (m) and minimum height at free growing (m) will be those of the dominant site series;
- (f) the maximum density of countable coniferous stems is 10,000 per hectare for all **BEC** site series;
- (g) The minimum inter-tree distance may be reduced to 1.6 meters for Standards Units (SUs) where:
- (i) Will be reduced from 2.0 m to 1.6 m for Standard Units (SUs) where Mechanical Site Preparation has been applied; or
 - (ii) For hygric and sub-hygric Standard Units (SUs) identified by Appendix A, the Minimum Inter Tree Distance (MITD) is:
 - A. metre for a pair of well spaced trees, if the next well spaced tree is
 - B. 1.6 metres from either well spaced tree in the pair.
- (h) exotic species planted in research trials, not exceeding the lesser of 2 hectares or 10% of the **NAR** of a cutblock, will be considered preferred trees;
- (i) for crop trees to be acceptable at the Regeneration Date and the Free growing Date they must meet the:
- (i) Appendix 10: Advance Regeneration Acceptability Criteria from the Prince Rupert Region Establishment to Free Growing Guidebook, May 2000; or
 - (ii) Prince Rupert Forest Region, Regional Operating Standards # 1, Acceptability Criteria for Balsam Advanced Regeneration, July 22, 1997; and
 - (iii) Appendix 5: Free growing Damage Criteria for BC from the
 - (iv) Prince Rupert Region Establishment to Free Growing Guidebook, May 2000; and the revised damage criteria for assessing Dothistroma in the ICH and CWH sub-zones, (set at 50 % defoliation), as defined by the FPC Bulletin Number 44, Oct 6, 2003.
- (j) Partial Cutting Silviculture Stocking Standards, Appendix B, may be applied to standards units, where partial cutting silviculture systems have been implemented, and where the retained stems greater than 12.5 centimetres diameter at breast height have a combined basal area greater than 5 metre²/hectare;
- (k) Division 7.3 does not apply to an area:
- (i) where the timber harvested was in danger of being significantly reduced in value, lost or destroyed; and
 - (ii) the harvested area, when taken together with an adjoining harvested area, will not result in an opening with a contiguous NSR greater than or equal to 1 hectare.



7.5 No Intermediate Cutting or Special Forest Products

The Agreement Holder does not propose to carry out timber harvesting on an area that is restricted to:

- (a) commercial thinning, removal of individual trees, or a similar type of intermediate cutting,
or
- (b) harvesting of special forest products, and as such, section 16(4) and 44(4) of the FPPR have no application to this FSP.



8.0 SIGNATURE(S)

Signature of Person Required to Prepare Plan

General Manager for Wetzin'kwa Community Forest Corp., and Holder of this FSP.

Authorized Signatory, Bill Golding, RPF

Date

Signature of Person Preparing the Plan

I certify that this document is prepared to the standard expected of a member of the Association of British Columbia Professional Foresters.

Bill Golding, RPF, RPBio

Date

Approval of the Minister or Delegated Decision Maker

Delegated Decision Maker Signature:

District Manager

Skeena – Stikine Forest District

3333 Tatlow Rd., Smithers, B.C. V0J2N0

Jane Lloyd-Smith, RPF

Date





9.0 APPENDICES



Appendix A: Even Aged Stocking Standards



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Appendix B: Partial Cutting Stocking Standards

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Appendix C: Maps

Map 1: New FDU, and Approved CPs & RPs and blocks that meet FRPA s.196 (1) or (2).

Map 2: Resource Designations and Zones

Map 3: Scenic Areas and Viewpoints

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Appendix D: “Category A Blocks”

As facilitated through the Inclusion of BCTS blocks, from the McDonell Lake Chart in Pacific Inland Resources’ FSP

The following table shows the cutblocks and roads to which FRPA Section 196 (1) and 196(2) apply.

Cutblocks and Roads to which FRPA Section 196(1) and 196(2) apply:

Block Identity	Road Identity	FDU	Mapsheet (1:20000)
A58736		1	93L074
A58739		1	93L074
A58740		1	93L074
A58741		1	93L074
A58742		1	93L074
A58744		1	93L074
A58744		1	93L074
A58745		1	93L074
A57266		1	93L074
A57267		1	93L074
A59958		1	93L074
A54327 (1-6)		1	93L074
A36471		1	93L074
A51548		1	93L074
A58363		1	93L073
A58364		1	93L073
A49783 (1-2)		1	93L083

Appendix E: Approved Cutting Permits and Road Permits held by the Agreement Holder (FPPR section 14(3)(j))

Licence	Cutting Permit-Cutblock ID	Road ID
K2P	CP 101-A	
K2P	CP 100-1	
K2P	CP 100-2	
K2P	CP 100-3	
K2P	CP 100-4	
K2P	CP 102-1	
K2P	CP 103-A	
K2P	CP 103-B	
K2P	CP 103-C	
K2P	CP 103-D	
K2P	CP 103-E	
K2P	CP 103-F	
K2P	CP 103-H	
K2P		R16534-1 (101/102)
K2P		R16534-2 (103E)
K2P		R16534-3 (103H)
K2P		R16534-4 (103H)
K2P		R16534-5 (102)
K2P		R16534-6 (102)

Appendix F: List of Revisions

Appendix G: Distribution List/Letters

Appendix H: Comments Letters Received

