

Forest Stewardship Plan Amendment

January 16, 2009



**Cowichan Lake Community
Forest Co-Operative Ltd.**



The

Teal-Jones Group



Table of Contents

1	Interpretation	1-1
1.1	Definitions.....	1-1
1.2	Definitions from Legislation	1-1
1.3	Relevant Date for Legislation and Objective References	1-2
1.4	Changes to Legislation	1-2
1.5	Headings & Background Information.....	1-2
1.6	Expressions Inclusive	1-2
1.7	Appendices Part of FSP.....	1-2
2	Introduction.....	2-1
2.1	Application of the Forest Stewardship Plan	2-1
2.2	Forest Stewardship Plan Map	2-1
3	Resource Values.....	3-1
3.1	Soil	3-1
3.2	Timber	3-1
3.3	Wildlife	3-2
3.4	Water, Fish, Wildlife and Biodiversity within Riparian Areas	3-5
3.5	Fish Habitat in Fisheries Sensitive Watersheds	3-7
3.6	Water in Community Watersheds.....	3-8
3.7	Wildlife and Biodiversity at the Landscape Level.....	3-9
3.8	Wildlife and Biodiversity at the Stand Level.....	3-13
3.9	Cultural Heritage Resources	3-16
3.10	Other Resources.....	3-17
	Visual Quality	3-17
4	Stocking Standards	4-1
4.1	Regeneration Date, Free Growing Height and Stocking Standards.....	4-1
5	Additional Information.....	5-1
5.1	Measures to Prevent the Introduction and Spread of Invasive Plants.....	5-1
6	Signatures	6-1
7	Plan Approval	7-1



List of Appendices

Appendix 1: Forest Stewardship Plan Map

Appendix 2: Stocking Standards

Appendix 3: Cutting Permits in Effect

Appendix 4: FRPA 197(7) Permits

Appendix 5: FRPA 196 Cutblocks & Roads



1 Interpretation

1.1 Definitions

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

- a) “CP” means a cutting permit;
- b) “Date of Submission” means *October 23rd, 2006*, which is the date this FSP was submitted for approval;
- c) “FDU” means a forest development unit;
- d) “FPC” means the *Forest Practices Code of British Columbia Act* R.S.B.C. 1996, c. 159 and all regulations there under;
- e) “FPPR” means the *Forest Planning and Practices Regulation* B.C. Reg. 14/2004;
- f) “FRPA” means the *Forest and Range Practices Act* S.B.C. 2002, c.69;
- g) “FSP” means a forest stewardship plan;
- h) “GAR” means the *Government Actions Regulation* B.C. Reg. 582/2004;
- i) “Legislated Planning Date” means:
 - (i) subject to clause (ii), the date 4 months before the Date of Submission; or
 - (ii) if an enactment or an objective set by government requires that a date different than the date referred to in clause (i) be applied under this FSP, then that different date;
- j) “Licence” means an agreement under the Forest Act;
- k) “Licensee” means, for each Licence specified in part 2.1 of this FSP, the holder of that Licence;
- l) “MOE” means the Ministry of Environment (formerly the Ministry of Water, Land and Air Protection);
- m) “MOFR” means the Ministry of Forests and Range (formerly the Ministry of Forests);
- n) “MWLAP” means the Ministry of Water, Land and Air Protection;
- o) “OGMA” means an old growth management area;
- p) “RP” means a road permit;
- q) “SRMZ” means a special resource management zone;
- r) “UWR” means ungulate winter range; and
- s) “WHA” means a wildlife habitat area.

1.2 Definitions from Legislation

In this FSP, unless this FSP specifies or the context requires, otherwise; words and phrases defined in Forest and Range Practices Act or the Forest Act as of the Legislated Planning Date have the same meaning as those definitions.



1.3 Relevant Date for Legislation and Objective References

In this FSP, unless this FSP specifies otherwise, a reference to legislation, an established objective, a notice under section 7(2) of the FPPR, a designation of a species to which such a notice or established objective applies, an establishment of an area referred to in section 14(3)(a) to (i) of the FPPR or an order made by government means that legislation, established objective, notice, designation, area or order as it was on the Legislated Planning Date.

1.4 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.

1.5 Headings & Background Information

The headings and background information 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.

1.6 Expressions Inclusive

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

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

1.7 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 Introduction

This Forest Stewardship Plan (FSP) has been prepared by Teal Cedar Products Ltd., a subsidiary of The Teal Jones Group of companies, on behalf of the licensees listed under section 2.1, Application of the Forest Stewardship Plan.

2.1 Application of the Forest Stewardship Plan

For the purposes of the Forest and Range Practices Act (FRPA) section 3(4), this FSP applies to the following licences and licensees:

- Tree Farm Licence (TFL) 46, licensed to Teal Cedar Products Ltd.;
- Timber Licence (TL) TO910, licensed to Teal Cedar Products Ltd.; and
- Forest Licence (FL) A52027, licensed to the Cowichan Lake Community Forest Co-Operative Ltd.

For the purposes of the FRPA section 196(3), as well as Forest Planning and Practices Regulation (FPPR) sections 7, 14 and 26; the date of submission for approval, for this Forest Stewardship Plan (FSP) is October 23rd, 2006.

For the purposes of the FRPA section 6(1)(b), this FSP will commence on the date specified in writing by the minister in approving the plan (see Section 7 Plan Approval). For the purposes of the FRPA section 6(1)(a), the term of this FSP will be 5 years.

For the purposes of FPPR 14(3)(j) those areas within this FSP that are subject to Cutting Permits that are held by the Licensees and were in effect 4 months before the date this FSP was submitted for approval, are listed in Appendix 3. Those roads within this FSP that are subject to Road Permits that are held by the Licensees and were in effect 4 months before the date this FSP was submitted for approval, are shown on the FSP map.

For the purposes of FRPA 197(7) those permits to which this sections apply are listed in Appendix 4.

For the purposes of FRPA 196(1) and (2), the cutblocks and roads to which these sections apply are listed in Appendix 5.

2.2 Forest Stewardship Plan Map

The FSP map is found in Appendix 1. For the purposes of FRPA 5(1)(a), the FSP Map (1:50,000 scale) indicates the boundaries of the Forest Development Unit (FDU) that will come into effect on the date of approval of this FSP.



3 Resource Values

3.1 Soil

Background Information

The objective set by government for soil (FPPR section 5) is: ***without unduly reducing the supply of timber from British Columbia's forests, to conserve the productivity and the hydrologic function of soils.***

Results or Strategies

R/S #	Element	Legislative Reference	Application
1.1	Soil Disturbance	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 35 as it was on the Legislated Planning Date.		
1.2	Permanent Access Structures	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 36 as it was on the Legislated Planning Date.		

3.2 Timber

Background Information

The objectives set by government for timber (FPPR section 6) are to:

- a maintain or enhance an economically valuable supply of commercial timber from British Columbia's forests,***
- b ensure that delivered wood costs, generally, after taking into account the effect on them of the relevant provisions of this regulation and of the Act, are competitive in relation to equivalent costs in relation to regulated primary forest activities in other jurisdictions, and***
- c ensure that the provisions of this regulation and of the Act that pertain to primary forest activities do not unduly constrain the ability of a holder of an agreement under the Forest Act to exercise the holder's rights under the agreement.***



3.3 Wildlife

Background Information

The objectives set by government in regulations for wildlife (FPPR section 7) are: ***without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for***

- a the survival of species at risk,***
- b the survival of regionally important wildlife, and***
- c the winter survival of specified ungulate species.***

Grandparented objectives established under the Forest Practice Code (FPC) Act and continued under FRPA 180 and 181 include:

- **Order - Ungulate Winter Range #U1-002 referring to black tailed deer and Roosevelt elk (September 26, 2003)**
- **Order - Ungulate Winter Range #U1-017 referring to black tailed deer and Roosevelt elk (November 21, 2003)**

Results or Strategies

R/S #	Element	Legislative Reference	Application
3.1	Marbled Murrelet <i>Brachyramphus marmoratus</i>	FRPA 5(1)(b)(i) FPPR 7(2)	FDU A
	<p>Each licensee carrying out timber harvesting and road construction subject to this FSP, adopts as a result or strategy the following:</p> <ol style="list-style-type: none"> Maintain an area equivalent to the current total suitable MAMU nesting habitat in the non-contributing landbase associated with FDU A, subject to parts 2 and 3 of this result or strategy, located: <ul style="list-style-type: none"> First within the entire area of all Wildlife Habitat Areas established for MAMU within FDU A; Second, within the area of suitable MAMU habitat within the non-contributing landbase, including established UWR and WHA within FDU A; Third, within the area of suitable MAMU habitat within established OGMA within FDU A consistent with the direction from Landscape Unit Planning; and if necessary Within the timber harvest landbase within FDU A. Maintain a distribution of the above MAMU nesting habitat where it occurs on the landbase within FDU A 		



R/S #	Element	Legislative Reference	Application
3.1 Cont'd	<p>3. Suitable MAMU nesting habitat must have the following attributes:</p> <ul style="list-style-type: none"> • Within those portions of the FDU in Landscape Units covered under the approved Renfrew SRMP, MAMU habitat class 1, 2 or 3 identified in detailed surveys completed during the Landscape Unit Planning process according to the <i>Standard Methods for Identifying and Ranking Nesting Habitat for Marbled Murrelets (Brachyramphus marmoratus) in British Columbia Using Air Photo Interpretation and Low-level Aerial Surveys</i>. Burger A. ed 2004; and • Within those portions of the FDU in the Cowichan Landscape Unit, areas which have those characteristics described in the <i>Notice provided by the Ministry of Environment (formerly Ministry of Water, Land and Air Protection, December 21, 2004) indicating the amount, distribution and attributes of wildlife habitat required for the survival of species at risk in the South Island Forest District</i> for MAMU habitat. <p>If, after the date of submission, an exemption from the obligation to write a result or strategy in whole or in part is provided under FPPR 7(3); this result or strategy does not apply to the extent that the objective is already addressed, as specified in the exemption and effective on the date of the exemption.</p>		
3.2	Black-tailed deer <i>docoileus hemionius</i> and Roosevelt elk <i>Cervus elaphus</i>	FRPA 5(1)(b)(ii) FRPA 181	FDU A
	<p>The following result or strategy is applicable to all Ungulate Winter Range (UWR) units within UWR #U1-002. The licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy the following:</p> <ol style="list-style-type: none"> 1. No road will be constructed within the designated UWR unless there is no other practicable option, the quality of the winter ranges will not be significantly affected and a variance is proposed in consultation with MoE staff and approved by a Designated Decision Maker 2. Not harvest within the designated UWR unless a variance is proposed in consultation with MoE staff and approved by a Designated Decision Maker. A variance would only normally be considered for the purposes of enhancing the quality of the winter range. 3. Not salvage harvest within the designated UWR, unless a variance is proposed in consultation with MoE staff and approved by a Designated Decision Maker. Not remove snags within the designated UWR unless required to address worker safety. 		



R/S #	Element	Legislative Reference	Application
3.3	Black-tailed deer <i>Odocoileus hemionus</i> Roosevelt elk <i>Cervus elaphus</i>	FRPA 5(1)(b)(ii) FRPA 181	FDU A
	<p>The following result or strategy is applicable to all Ungulate Winter Range (UWR) units within UWR #U1-017. The licensee carrying out timber harvesting and road construction subject to this FSP, on their respective licence area during the term of the plan, will:</p> <ol style="list-style-type: none"> 1. Not construct road within the designated UWR, unless there is no other practicable option, the quality of the winter ranges will not be significantly affected and a variance is proposed in consultation with MoE staff and approved by a Designated Decision Maker 2. Not harvest within the designated UWR unless a variance is proposed in consultation with MoE staff and approved by a Designated Decision Maker. A variance would only normally be considered for the purposes of enhancing the quality of the winter range. 3. Not salvage harvest within the designated UWR, unless a variance is proposed in consultation with MoE staff and approved by a Designated Decision Maker. Conduct road maintenance, road deactivation, felling of danger trees or brushing and clearing on existing roads as required to address worker safety. Conduct felling of danger trees, felling for guy line clearance, felling of tail hold anchor trees along cutblock boundaries as required to address worker safety. Any trees that must be felled within a UWR will be left on site to provide coarse woody debris, unless the felled tree lies outside the UWR. UWR values will be maintained and incorporated when addressing worker safety concerns where practicable. 		



3.4 Water, Fish, Wildlife and Biodiversity within Riparian Areas

Background Information

The objective set by government for water, fish, wildlife, and biodiversity within riparian areas (FPPR section 8) is: ***without unduly reducing the supply of timber from British Columbia's forests, to conserve, at the landscape level, the water quality, fish habitat, wildlife habitat and biodiversity associated with those riparian areas.***

Results or Strategies

R/S #	Element	Legislative Reference	Application
4.1	Stream Riparian Classes	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 47 as it was on the Legislated Planning Date.		
4.2	Wetland Riparian Classes	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 48 as it was on the Legislated Planning Date.		
4.3	Lake Riparian Classes	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 49 as it was on the Legislated Planning Date.		
4.4	Riparian Management Area	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 50 as it was on the Legislated Planning Date.		
4.5	Riparian Reserve Zone	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 51 as it was on the Legislated Planning Date.		
4.6	Riparian Management Zone	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 52(2) as it was on the Legislated Planning Date.		



R/S #	Element	Legislative Reference	Application
4.7	Temperature Sensitive Streams	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 53 as it was on the Legislated Planning Date.		
4.8	Retention of Trees within a RMZ	FRPA 5(1)(b)(i) FPPR 12(3)	FDU A
	Each licensee carrying out timber harvesting and road construction according to this FSP, adopts as a result or strategy the following:		
	<ol style="list-style-type: none"> 1. The level of retention within RMZs at the conclusion of harvesting are determined by a qualified professional based on the those factors in FPPR Schedule 1, section 2; and 2. Ensure RMZ basal area retention levels at the conclusion of harvesting are at a minimum the following proportion of the total basal area of the RMZ: 		
	Riparian Classification	Basal Area Retention Level	
	S1, S2, S3, S4, L1, L2, W1, W2, W5	25-100%	
	S5, S6, W3, W4, L3, L4	0-100%	



3.5 Fish Habitat in Fisheries Sensitive Watersheds

Background Information

The objective enabled by government for fisheries sensitive watersheds (GAR 14(2) December 28, 2005) is:

To provide, within the normal forest rotation, special management of the amount, timing and distribution of primary forest activities, in order to:

- i. conserve the natural hydrological conditions, natural stream bed dynamics and integrity of stream channels in each Fisheries Sensitive Watershed,***
- ii. conserve the quality, quantity and timing of water flows required by fish in each Fisheries Sensitive Watershed, and***
- iii. prevent the cumulative hydrological effects of primary forest activities in each Fisheries Sensitive Watershed from resulting in a material adverse impact on the fish habitat in each watershed.***

Results or Strategies

R/S #	Element	Legislative Reference	Application
5.1	Fisheries Sensitive Watersheds (FSW)	FRPA 5(1)(b)(ii) GAR 14(1)	FDU A
	<p>The following result or strategy is applicable to FSW F-1-004: Gordon River, FSW F-1-005: Hatton Creek and FSW F-1-006: Hemmingsen Creek. Each licensee carrying out timber harvesting and road construction according to this FSP, adopts as a result or strategy the following:</p> <ol style="list-style-type: none">1. At a minimum of once every five years, ensure a qualified professional assesses the cumulative effect of existing and proposed primary forest activities within the watershed relative to the objective for fish habitat in fisheries sensitive watersheds (GAR 14(2)).2. Ensure harvest and road development activities are conducted in a manner consistent with the last Watershed Assessment conducted by a qualified professional for each FSW3. Manage harvest and road development activities to limit post-harvest and road construction risk of adverse hydrological impacts to the “Low” to “Moderate” range within FSWs4. Plan and implement primary forest management activities within FSWs consistent with the recommendations of qualified professionals		



3.6 Water in Community Watersheds

Background Information

The objective set by government for water being diverted for human consumption through a licensed waterworks in a community watershed (FPPR section 8.2) is: ***to prevent to the extent described in subsection (3) the cumulative hydrological effects of primary forest activities in the community watershed from resulting in***

- a) ***a material adverse impact on the quantity of water or the timing of the flow of the water from the waterworks, or***
- b) ***the water from the waterworks having a material adverse impact on human health that cannot be addressed by water treatment required under***
 - i. ***an enactment, or***
 - ii. ***the license pertaining to the waterworks.***

Results or Strategies

R/S #	Element	Legislative Reference	Application
6.1	Malachan Community Watershed	FRPA 5(1)(b)(ii) FRPA 181	FDU A
	<p>The following result or strategy is applicable to those portions of the Malachan Community Watershed that are located within the FDU.</p> <p>Each licensee carrying out timber harvesting and road construction according to this FSP, adopts as a result or strategy the following:</p> <ul style="list-style-type: none">1. Not conduct primary forest activities within the Malachan Community Watershed.		



3.7 Wildlife and Biodiversity at the Landscape Level

Background Information

The objective set by government for biodiversity at the landscape level (FPPR section 9) is: ***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.***

The land use objectives referring to timber and forest health in the Vancouver Island Land Use Plan (VILUP) Higher Level Plan Order apply to Special Management Zone 21:

A. for Special Management Zones 1 through 14 and 17 through 22:

1. Sustain forest ecosystem structure and function in SMZs, by:

(a) creating or maintaining stand structures and forest attributes associated with mature and old forests, subject to the following:

- i. the target for mature seral forest should range between one quarter to one third of the forested area of each SMZ; and***
- ii. in SMZs where the area of mature forest is currently less than the mature target range referred to in (i) above, the target amount of mature forest must be in place within 50 years;***

(b) retaining, within cutblocks, structural forest attributes and elements with important biodiversity functions; and

(c) applying a variety of silvicultural systems, patch sizes and patch shapes across the zone, subject to a maximum cutblock size of 5 ha if clearcut, clearcut with reserves or seed tree silvicultural systems are applied, and 40 ha if shelterwood, selection or retention silvicultural systems are applied.

2. Despite subsection 1(c) above, cutblocks larger than 5 or 40 ha, as the case may be, may be approved if harvesting is being carried out to recover timber that was damaged by fire, insects, wind or other similar events and wherever possible, the cutblock incorporates structural characteristics of natural disturbances.

Objectives enabled by regulation include:

- *Order Establishing Provincial Non-Spatial Old Growth Objectives* (Ministry of Sustainable Resource Management, June 30, 2004)
- *Order Establishing Land Use Objectives for the Renfrew Sustainable Resource Management Plan (SRMP)* (Ministry of Agriculture and Lands, January 30, 2007)



Results or Strategies

R/S #	Element	Legislative Reference	Application
	Old Growth Management Areas (OGMA)	FRPA 5(1)(b)(i)	FDU A
7.1	<p>The following result or strategy is applicable to the OGMA's that occur within the FDU as identified in the Renfrew Aggregate Landscape Unit Plan approved under the Ministerial Order <i>Land Use Objectives for the Renfrew Sustainable Resource Management Plan (SRMP)</i> dated January 30, 2007. This SRMP covers the Caycuse, Gordon, Nitinat, San Juan and Walbran Landscape Units. Each licensee carrying out timber harvesting and road construction subject to this FSP, adopts as a result or strategy the following:</p> <ol style="list-style-type: none"> 1. Maintain forests in established Old Growth Management Areas (OGMA's), as shown on the attached FSP map, subject to part 2 of this result or strategy. 2. Permissible activities within OGMA's <ol style="list-style-type: none"> (a) Minor OGMA intrusions and/or boundary adjustments for operational reasons: minor timber harvesting operations, and road or bridge construction required to access resource values beyond or adjacent to the OGMA, are permitted OGMA's that are 10 hectares or greater in size, provided that: <ol style="list-style-type: none"> i) The operation or boundary adjustment does not affect more than 10 per cent of the area of the OGMA, ii) No other practicable option for road or bridge location exists, iii) Suitable OGMA replacement forest of equivalent age, structure and area is identified either (in order of priority) directly adjacent to, or the same variant and landscape unit as the adjusted OGMA, and iv) Intrusions, boundary adjustments and OGMA replacement areas are documented, mapped and submitted to the delegated decision maker at the end of each calendar year. <p>In the case of temporary roads or bridge sites placed within OGMA's, as an alternative to finding replacement area, the licensee may permanently deactivate and rehabilitate a temporary road or bridge site within four years after construction.</p> (b) Other permissible activities within OGMA's: <ol style="list-style-type: none"> I. Salvage harvesting to prevent the spread of insect infestations or diseases that pose a significant threat to forested areas outside of OGMA's. Salvage within OGMA's will be done in a manner that retains as many old growth forest attributes as possible. II. Road maintenance, deactivation, removal of danger trees, or brushing and clearing on existing roads under active tenure within the right-of-way for safety purposes. III. Felling of guyline clearance, tailhold anchor trees, or danger trees along cutblock boundaries or within the right of way on new road/bridge alignments to meet safety requirements. 		



R/S #	Element	Legislative Reference	Application															
7.1 cont'd	Old Growth Management Areas (OGMA)	FRPA 5(1)(b)(i) and (ii)	FDU A															
	<p>iv. Construction of rock quarries and gravel pits under authority of forest tenure where the development will be located immediately adjacent to existing roads under tenure and will affect the OGMA by less than 0.5 ha in total.</p> <p>v. Small boundary adjustments for operational reasons, or intrusions, other than those specified above, that result in a net loss to the OGMA of less than or equal to 0.5 hectare in total.</p> <p>vi. First Nations traditional use of trees or understory plants.</p> <p>OGMA replacement forest is required as a result of the activities in 2 (b) (i) to (v) above when the total net change to the OGMA exceeds two hectares in size. Replacement forest must be of equivalent age, structure and area and situated (in order of priority), either immediately adjacent to the existing OGMA, or in the same variant and landscape unit as the existing OGMA. Boundary adjustments and OGMA replacement areas must be documented, mapped and submitted to the delegated decision maker at the end of each calendar year.</p>																	
7.2	Old Growth Management Areas (OGMA)	FRPA 5(1)(b)(i) and (ii)	FDU A															
	<p>The following result or strategy is applicable to the area within FDU A located within the Cowichan Landscape Unit. Each licensee carrying out timber harvesting and road construction subject to this FSP, adopts as a result or strategy the following:</p> <p>1. Maintain or recruit target levels of old growth forests (based upon a prorated area of FDU A in the Cowichan Landscape Unit as a portion of the entire Cowichan Landscape Unit) as per the following table:</p> <table border="1"> <thead> <tr> <th>Natural Disturbance Type</th><th>Biogeoclimatic Zone</th><th>Age of Old Forest</th><th>Percent Old Forest Retention in Low Biodiversity Emphasis</th></tr> </thead> <tbody> <tr> <td>1</td><td>CWH</td><td>>250 years</td><td>>13</td></tr> <tr> <td>1</td><td>MH</td><td>>250 years</td><td>>19</td></tr> <tr> <td>2</td><td>CWH</td><td>>250 years</td><td>>9</td></tr> </tbody> </table>			Natural Disturbance Type	Biogeoclimatic Zone	Age of Old Forest	Percent Old Forest Retention in Low Biodiversity Emphasis	1	CWH	>250 years	>13	1	MH	>250 years	>19	2	CWH	>250 years
Natural Disturbance Type	Biogeoclimatic Zone	Age of Old Forest	Percent Old Forest Retention in Low Biodiversity Emphasis															
1	CWH	>250 years	>13															
1	MH	>250 years	>19															
2	CWH	>250 years	>9															



R/S #	Element	Legislative Reference	Application
7.3	Maximum cutblock size	FRPA 5(1)(b)(i)	FDU A
	<p>The following result or strategy is applicable to the entire FDU A with the exception of those portions of SMZ 21 (Walbran) within FDU A.</p> <p>Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 64 as it was on the Legislated Planning Date.</p>		
7.4	Maximum cutblock size	FRPA 5(1)(b)(i) FPPR 12.4(1)	FDU A
	<p>The following result or strategy is applicable to those portions of Special Management Zone (SMZ) # 21 within FDU A.</p> <p>Each licensee carrying out timber harvesting and road construction subject to this FSP, adopts as a result or strategy the following:</p> <ol style="list-style-type: none"> 1. Implement a variety of silvicultural systems, patch sizes and patch shapes, subject to a maximum cutblock size of 5 ha if clearcut, clearcut with reserves or seed tree silvicultural systems are applied, and 40 ha if shelterwood, selection or retention silvicultural systems are applied, subject to part 2 of this result or strategy. 2. Despite the above, cutblocks larger than 5 or 40 ha, as the case may be, may be implemented if harvesting is being carried out to recover timber that was damaged by fire, insects, wind or other similar events and wherever possible, the cutblock incorporates structural characteristics of natural disturbances. 		
7.5	Adjacency	FRPA 5(1)(b)(i)	FDU A
	<p>Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 65 as it was on the Legislated Planning Date.</p>		
7.6	Target Mature Seral Forest	FRPA 5(1)(b)(ii)	FDU A
	<p>Each licensee carrying out timber harvesting and road construction subject to this FSP, adopts as a result or strategy the following:</p> <ol style="list-style-type: none"> 1. Ensure the amount of mature seral forest, within those portions of SMZ # 21 (Walbran) within FDU A, will be a minimum of one quarter of the productive forest area available for harvest within the SMZ # 21 (Walbran). 		



3.8 Wildlife and Biodiversity at the Stand Level

Background Information

The objective set by government for wildlife and biodiversity at the stand level (FPPR section 9.1) is: ***without unduly reducing the supply of timber from British Columbia's forests, to retain wildlife trees.***

The land use objectives referring to timber and forest health in the Vancouver Island Land Use Plan (VILUP) Higher Level Plan Order apply to Special Management Zone 21:

A. for Special Management Zones 1 through 14 and 17 through 22:

1. Sustain forest ecosystem structure and function in SMZs, by:

(b) retaining, within cutblocks, structural forest attributes and elements with important biodiversity functions; and

Objectives enabled by regulation include:

- *Order Establishing Provincial Non-Spatial Old Growth Objectives* (Ministry of Sustainable Resource Management, June 30, 2004)
- *Order Establishing Land Use Objectives for the Renfrew Sustainable Resource Management Plan (SRMP)* (Ministry of Agriculture and Lands, January 30, 2007)

Results or Strategies

R/S #	Element	Legislative Reference	Application
8.1	Wildlife Tree Retention	FRPA 5(1)(b)(i)	FDU A
	<p>The following result or strategy is applicable to Wildlife Tree Patches (WTPs) that occur within the FDU as identified in the Renfrew Aggregate Landscape Unit Plan approved under the Ministerial Order <i>Land Use Objectives for the Renfrew Sustainable Resource Management Plan (SRMP)</i> dated January 30, 2007. This SRMP covers the Caycuse, Gordon, Nitinat, San Juan and Walbran Landscape Units.</p> <p>Maintain stand-level structural diversity by retaining wildlife trees subject to the following:</p> <p>a) The holder of an agreement under the Forest Act who completes harvesting in one or more cutblocks, except minor salvage cutblocks (as defined in the SRMP Order), located within the Renfrew SRMP area during the sixty month period beginning on April 1, 2007 or during the term of the agreement, whichever is shorter, must ensure that at the end of this and any subsequent sixty month period the total area covered by the wildlife tree retention areas that relate to the cutblocks meets or exceeds the percent requirement by landscape unit and biogeoclimatic subzone presented in the following table:</p>		



R/S #	Element	Legislative Reference	Application
8.1 cont'd	Wildlife Tree Retention	FRPA 5(1)(b)(i)	FDU A
	Wildlife Tree Retention by LU and BEC Subzone in the Renfrew SRMP		
	Landscape Unit	Biogeoclimatic Subzone	%WTP Requirement
	Caycuse	CWHvm	11
		CWHmm	14
		CWHxm	14
		MHmm	4
	Gordon	CWHmm	14
		CWHvm	10
		CWHxm	13
		MHmm	5
	Nitnat	CWHmm	14
		CWHvh	2
		CWHvm	12
		CWHxm	15
	San Juan	MHmm	4
		CWHmm	11
		CWHvm	12
		CWHxm	7
	Walbran	MHmm	5
		CWHvm	6
		MHmm	0
	b) WTPs must be well distributed across the BEC subzone		
	c) When designated at the operational site plan level, WTPs must be located within or immediately adjacent to a cutblock		
	d) No timber harvesting, including single tree selection is to occur within WTPs, except as noted in (e) below		
	e) Salvage of windthrown timber is permitted within WTPs where windthrow impacts 25% to 50% of the dominant or co-dominant stems. Salvage of windthrown timber and harvesting of remaining standing stems is permitted within WTPs where windthrow exceeds 50% of the dominant or co-dominant stems; or where forest health issues pose a significant threat to areas outside the WTP. Where salvage/harvesting is planned and authorized, suitable replacement WTP area of at least equivalent quantity must be		



	identified concurrently to achieve the retention target.		
R/S #	Element	Legislative Reference	Application
8.1 cont'd	Wildlife Tree Retention	FRPA 5(1)(b)(i)	FDU A
	f) WTPs should include, if present, remnant old-growth patches and live or dead veteran trees (excluding danger trees) g) WTPs must include representative larger trees for the stand (dbh>average operational cruise) and any moderate to high value wildlife trees if available (excluding danger trees) h) BEC subzones and variants will be determined by operational site plan information i) In WTPs with a likelihood of windthrow, pruning and/or topping may be carried out to maintain the integrity of the WTP		
8.2	Wildlife Tree Retention	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP within the Cowichan Landscape Unit adopts as a result or strategy FPPR section 66 as it was on the Legislated Planning Date.		
8.3	Wildlife Tree Retention	FRPA 5(1)(b)(i)	FDU A
	The following result or strategy is applicable to those portions of Special Management Zone (SMZ) # 21 within FDU A. Each licensee carrying out timber harvesting and road construction subject to this FSP, adopts as a result or strategy the following: 1. Retain, within cutblocks, structural forest attributes and elements with important biological functions.		
8.4	Restriction on Harvesting within Wildlife Tree Retention areas	FRPA 5(1)(b)(i)	FDU A
	Each licensee carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 67 as it was on the Legislated Planning Date.		



3.9 Cultural Heritage Resources

Background Information

The objective set by regulations for Cultural Heritage Resources (FPPR section 10) is: ***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.***

Results or Strategies

R/S #	Element	Legislative Reference	Application
	Cultural Heritage Resources	FRPA 5(1)(b)(i)	FDU A
9.1	<p>Each licensee carrying out timber harvesting and road construction subject to this FSP, adopts as a result or strategy the following:</p> <ol style="list-style-type: none"> 1. Timber harvesting and road construction will not cause a Cultural Heritage Resource that is: in the context of a traditional use by an aboriginal people, based on input from an aboriginal people and, if requested by the licensee, subsequently approved by government, in consultation with the aboriginal people determined to be: <ol style="list-style-type: none"> a) important; b) valuable; c) scarce; and d) of continued and/or historical importance to become unavailable for its continuing extent of use by an aboriginal people up to the extent of historical use; 2. At a minimum of once annually, for each First Nation with asserted traditional territory within the FDU: <ol style="list-style-type: none"> a) Extend an invitation to meet with the First Nation to discuss parts 1 and 2 of this Result or Strategy; b) Upon the request of the First Nation, provide site level information regarding proposed developments within the asserted traditional territory of that First Nation; and c) Provide the First Nation with the opportunity to share information regarding Cultural Heritage Resources. 3. At the request of a First Nation, work with that First Nation to establish a protocol for identifying a current and/or future supply of western red cedar and cypress trees suitable for traditional use and not cause, as a result of road construction or timber harvesting activities, this supply to become unavailable for their continuing extent of use by an aboriginal people up to the extent of historical use. 		



3.10 Other Resources

Visual Quality

Background Information

Objectives enabled by regulation include:

Government Actions Regulation (GAR) established the Visual Quality Objectives (VQOs) for those areas within FDU as shown on the map titled South Island Forest District, Visual Quality Objectives Established Under Section 7(2) GAR order (December 15, 2005)

Results or Strategies

R/S #	Element	Legislative Reference	Application
	Visual Quality Objectives	FRPA 5(1)(b)(ii) GAR 7(2)	FDU A
10.1	<p>Each licensee carrying out timber harvesting and road construction according to this FSP, adopts as a result or strategy the following:</p> <ol style="list-style-type: none"> Design cutblocks to be harvested and roads to be constructed using good design principles to ensure the altered forest landscape is consistent, to the extent practicable, with the applicable established VQO for the Scenic Area in which they are located subject to the provisions in parts 2, 3 and 4 of this result or strategy. A documented rationale written by a qualified professional is completed prior to the commencement of activities that demonstrates that the altered landscape is consistent, to the extent practicable, with the established Visual Quality Objective for the Scenic Area in which they are located and meets at least one of the following: <ol style="list-style-type: none"> Harvesting and/ or constructing roads are necessary to ensure the continuing health of the forest resource where there is a significant threat to resources from forest health issues; Harvesting and/ or constructing roads related to salvage operations where timber is significantly damaged or destroyed; or Harvesting and/ or constructing roads where greater than one VQO overlaps with the plan area and the dominant VQO is utilized to assess the alteration. The rationale referred to above relating to Section 2(a), (b), and (c) is provided to South Island Forest District staff for an opportunity for dialogue prior to the commencement of road construction or harvest activity which would materially impact the visual quality of that area covered by the VQO Harvest cutblocks and construct roads in a manner consistent with the design referred to above 		



4 Stocking Standards

FPPR 44 applies in all situations where a Free Growing Stand is required to be established according to FRPA 29. FPPR 45 is not applicable to the plan area.

4.1 Regeneration Date, Free Growing Height and Stocking Standards

For situations or circumstances where FPPR 44 applies, Appendix 2 indicates the Regeneration Date, Free Growing Height and Stocking Standards.

For the purposes of FPPR section 16(3), the tables in Appendix 2 specify the regeneration date, free growing height and stocking standards that apply in all situations or circumstances where a Free Growing Stand is required to be established according to FRPA 29.

5 Additional Information

5.1 Measures to Prevent the Introduction and Spread of Invasive Plants

For the purposes of FPPR section 17 and FRPA section 47, the following measures will be applied throughout FDU A during the term of the plan, where timber harvesting and/or road construction undertaken by the licensees subject to this FSP may result in the introduction or spread of invasive plant species:

Measures

Training

1. Provide appropriate personnel (e.g., foresters, engineers, and individuals involved with roadside brushing projects) with training in the identification of invasive species that are, or potentially may be present in the plan area.

Prevention

2. On newly built roads and landings that result in greater than 0.1 ha contiguous exposed soil (including cut and fill slopes) and are directly adjacent to areas where invasive plants have been identified; will be seeded within 1 growing season with:
 - a. Sod forming grasses/ legumes (forage mix preferred) that are endemic to the area, where commercially available and economically feasible; or
 - b. Sod forming grasses/ legumes (forage mix preferred) that are commercially available and suitable to the area if such disturbance is likely to result in the introduction or spread of invasive plants; and such re-vegetating will materially reduce that likelihood of the spread of invasive plants.
3. Where seeding activities are required in part 2 of these measures, treated areas will be monitored for



success of seed establishment and treatment will be repeated where necessary.

Control Efforts

4. Actively monitor for the occurrence of new invasive plant species during silviculture surveys and road inspections.
5. Where new invasive plants are detected, the site will be assessed by qualified personnel. Where practicable an appropriate action plan will be prepared and implemented to address the issue of plant invasion. The appropriate government agency will be informed of any new invasive plant occurrence within 3 months of detection.
6. Roadside brushing:
 - a. Where practicable, treatments will be timed such that they will occur prior to the seed dispersal window for weed species already established in the plan area.
 - b. Where practicable, brushing treatment methods/ procedures will be modified to minimize the spread of the plants for weed species that proliferate via cuttings are found.



6 Signatures

The following signatures are persons required to prepare the FSP:

Licensee

Authorized Licensee Signature

Teal Cedar Products Ltd.

PO Box 235
9370A South Shore Road
Mesachie Lake, BC
V0R 2N0
Telephone: (250) 749-4510
Fax: (250) 749-4511
jpichugin@tealiones.com

January 16, 2009

John Pichugin, RPF
Manager Forestry and Engineering

Date

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

Cowichan Lake Community Forest Co-Operative Ltd.

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97 South Shore Road
Cowichan Lake, BC
V0R 2G0
Telephone: (250) 749-6320
Fax: (250)) 749-6321
clcfc@cowichanlake.ca

January 16, 2009

Lorne Scheffer
Chair, CLCFC Board

Date



The following signatures are persons who were involved in the preparation of the FSP Amendment:

Preparing Forester

January 16, 2009

Mark Carter RPF, Planning Forester

Signature

Date

I certify that the work described herein fulfills the standards expected of a member of the Association of British Columbia Forest Professionals and that I did personally supervise the work



7 Plan Approval

The following signature indicates approval of this FSP:

Name: _____

Signature: _____

Date: _____