



TSESHAHT FIRST NATION  
P.O. Box 1218, Port Alberni, B.C. V9Y 7M1

## FLTC A79344 2007 FOREST STEWARDSHIP PLAN

**For operations within TFL 44, South Island Forest District, operating under Forestry License to Cut A79344**

Authorized Licensee Signature: \_\_\_\_\_

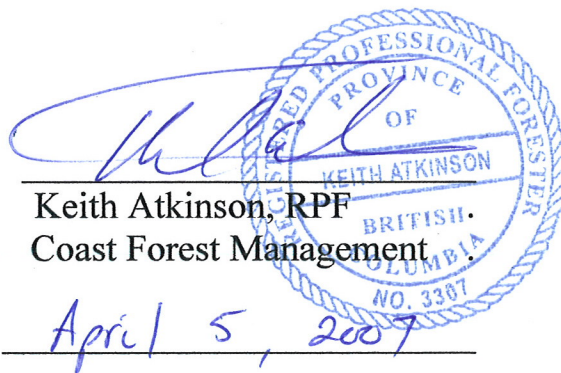
Name: Les Sam

Date: APR 5 / 2007

Authorized R.P.F. Signature: \_\_\_\_\_

Name: Keith Atkinson, RPF  
Coast Forest Management

Date: April 5, 2007





## 1 INTRODUCTION

### 1.1 Definitions

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

- a. “FDU” means a forest development unit;
- b. “FLTC” means Forestry Licence to Cut;
- c. “FPPR” means the *Forest Planning and Practices Regulation* B.C. Reg. 14/2004;
- d. “FRPA” means the *Forest and Range Practices Act* S.B.C. 2002, c.69;
- e. “FSP” means a forest stewardship plan;
- f. “GAR” means the *Government Actions Regulation* B.C. Reg. 582/2004;

### 1.2 Date of Submission

The date of submission of this FSP is \_\_\_\_\_.

### 1.3 Application of this FSP (FRPA S. 3(4))

The Tseshah First Nation is the holder of FLTC A79344 which was entered into to further the Tseshah Forestry Agreement. The area covered by this FSP is that area clearly described by the Ministry of Forests District staff and is described in the FSP maps included with this plan. Six cutblocks(073207, 071110, 071413, 072310, 073309, 964213) are described as defining the License operating area and two of these blocks(071110 and 964213) form the FDUs for this FSP.

### 1.4 Map (FRPA S. 5(1)(a) and FPPR S. 14)

The attached FSP maps show the boundaries of the FDUs under this FSP.

#### 1.4.1 FDU 5

Block 071110 is a block that was previously on the **TFL 44 2001-2005 Alberni East Forest Development Plan**, however we were unable to complete all assessments within the FDP prior to the approval of the current WFP FSP for this area.

#### 1.4.2 FDU 6

Block 964213 is a block that was previously on the **TFL 44 2001-2005 Alberni East Forest Development Plan**, however, the block footprint in the final engineered condition exceeded the boundaries identified on the FDP and old growth management area issues prevented this block from approval on the Transition FSP for this tenure.

### 1.5 Term of the FSP (FRPA S. 6(1)(a))

The term of this FSP is 5 years.



## 2 RESULTS AND STRATEGIES (FRPA S. 5(1)(b))

For the purposes of FRPA section 5(1)(b), the following are results or strategies required to satisfy the objectives that apply to this FSP.

### 2.1 Soils

#### **Background Information**

The objectives 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 hydrological function of soils.*

#### **Results or Strategies**

Result or Strategy #	Element	Objective	FDU
1.1	Soil Disturbance	FRPA section 5(1)(b)(i) FPPR section 5	ALL
	The holder of this FSP adopts as a result or strategy FPPR section 35 as it was on the date this FSP was submitted for approval.		
1.2	Permanent Access	FRPA section 5(1)(b)(i) FPPR section 5	ALL
	The holder of this FSP adopts as a result or strategy FPPR section 36 as it was on the date this FSP was submitted for approval		

### 2.2 Wildlife

#### **Background Information**

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

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

There are no designated Wildlife Habitat Areas within the FDUs on this plan.

There are no designated Ungulate Winter Ranges within the FDUs on this plan. UWR-1-013 established ungulate winter ranges on October 18, 2004 within TFL 44. The order included general wildlife measures.

The Ministry of Environment issued a section 7 Notice in December 2004 for the SIFD describing the amount, distribution and attributes for specific species at risk. The notice had three species including Marbled Murrelet, “Queen Charlotte” Goshawk and Scouler’s Corydalis. Since the Notice MOE has exempted FSP holders from writing a result/strategy for the requirements of the “Queen Charlotte” Goshawk and Scouler’s Corydalis.



The size of the FDU under this FSP are insignificant relative to the land base objectives for Marbled Murrelet habitat retention, therefore there are no hectares proposed for retention. In addition, the proposed WHAs, non contributing areas, UWR and OGMAs for the TFL 44 area will address Marbled Murrelet habitat issues and the proposed blocks are not within any proposed WHAs.

**Results or Strategies**

Result or Strategy #	Element	Objective	FDU
2.1	Species at risk for South Island Forest District <i>Marbled Murrelet</i>	FRPA section 5(1)(b)(i) FPPR section 7	ALL
	The holder of this FSP will maintain or recruit no amount of suitable Marbled Murrelet nesting habitat within any FDU under this FSP.		

**2.3 Water, Fish, Wildlife and Biodiversity within Riparian Areas**

**Background Information**

The objectives 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**

Result or Strategy #	Element	Objective	FDU
3.1	Stream Riparian Classes	FRPA section 5(1)(b)(i) FPPR section 8	ALL
	The holder of this FSP carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 47 (4) to (6) as it was on the date this FSP was submitted for approval.		
3.2	Wetland Riparian Classes	FRPA section 5(1)(b)(i) FPPR section 8	ALL
	The holder of this FSP carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 48(3) to (5) as it was on the date this FSP was submitted for approval.		
3.3	Lake Riparian Classes	FRPA section 5(1)(b)(i) FPPR section 8	ALL
	The holder of this FSP carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 49(2) as it was on the date this FSP was submitted for approval.		
3.4	Riparian Management Area	FRPA section 5(1)(b)(i)	ALL



		FPPR section 8	
	The holder of this FSP carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 50 (1) as it was on the date this FSP was submitted for approval.		
3.5	Riparian Reserve Zone	FRPA section 5(1)(b)(i) FPPR section 8	ALL
	The holder of this FSP carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 51(1) as it was on the date this FSP was submitted for approval.		
3.6	Riparian Management Zone	FRPA section 5(1)(b)(i) FPPR section 8	ALL
	The holder of this FSP 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 date this FSP was submitted for approval.		
3.7	Temperature Sensitive Streams	FRPA section 5(1)(b)(i) FPPR section 8	ALL
	The holder of this FSP 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 date this FSP was submitted for approval.		
3.8	Retention of trees within a RMZ	FRPA section 5(1)(b)(i) FPPR 12(3)	ALL
	The holder of this FSP carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy the following:		
	<ol style="list-style-type: none"> <li>1. The level of retention within RMZ's at the conclusion of harvesting are prescribed by a qualified professional in a Riparian management plan and based on those factors in FPPR Schedule 1, section 2: and</li> <li>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:</li> </ol>		
	<b>Riparian Classification</b>	<b>Basal Area Retention Level</b>	
	S1, S2,S3,S4,L1,L2,W1,W2,W5	25-100%	
	S5,S6,W3,W4,L3,L4	0-100%	

## 2.4 Wildlife and Biodiversity at the Landscape Level

### Background Information

The objectives set by government for wildlife and 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.*



All cutblocks are less than 40ha in size, as such HLP objectives 7,8,9 and 9.1 are not relevant. Detailed engineering is complete for both FDUs and there is no CWHvm1 proposed for harvest in any FDU, therefore, objective 11 is not relevant.

An order Establishing Provincial Non-Spatial Old Growth Objectives by the Ministry of Sustainable Resource Management, dated June 30, 2004 requires a result or strategy.

**Results or Strategies**

Result or Strategy #	Element	Objective	FDU
4.1	Non-spatial old growth	FRPA section 5(1)(b)(i) FPPR section 9	ALL
	The holder of this FSP carrying out timber harvesting and road construction subject to this FSP commits to the result that it will not harvest timber or build roads if the timber or road are within the Corrigan landscape unit and: <ul style="list-style-type: none"> <li>• Identified as Natural Disturbance Type 1; and</li> <li>• are within the CWH Biogeoclimatic zone; and</li> <li>• if such harvesting will reduce the amount of old forest to be retained in the landscape unit below the 13% target.</li> </ul>		
4.2	Maximum Cutblock Size	FRPA section 5(1)(b)(i) FPPR section 9	ALL
	The holder of this FSP 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 date this FSP was submitted for approval.		
4.3	Harvesting adjacent to another cutblock	FRPA section 5(1)(b)(i) FPPR section 9	ALL
	The holder of this FSP 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 date this FSP was submitted for approval.		

**2.5 Wildlife and Biodiversity at the Stand Level**

**Background Information**

The objectives 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.*

**Results or Strategies**

Result or Strategy #	Element	Objective	FDU
5.1	Wildlife Tree Retention	FRPA 5(1)(b)(i) FPPR section 9.1	ALL
	The holder of this FSP carrying out timber harvesting and road construction subject to this FSP adopts as a result or strategy FPPR section 66 as it was on the		



	date this FSP was submitted for approval		
5.2	Restriction on Harvesting within Wildlife Tree Retention areas	FRPA 5(1)(b)(i) FPPR section 9.1	ALL
	The holder of this FSP 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 date this FSP was submitted for approval		

## 2.6 Visual Quality

### Background Information

Objectives enabled by regulation include:

Government Actions Regulation (GAR) established the Visual Quality Objectives (VQOs) are established for the South Island Forest District(SIFD), Visual Quality Objectives Established Under Section 7(2) GAR order (December 15, 2005)

### Results or Strategies

Result or Strategy #	Element	Objective	FDU
6.1	Visual Quality Objectives	FRPA 5(1)(b)(ii) GAR 7(2)	ALL
	The holder of this FSP will design and carry out timber harvesting and road construction activities, to which this FSP applies, consistent with the established visual quality objectives (VQOs), that are in effect on the date this FSP is submitted for approval and applicable to the scenic areas in which the timber harvesting or road construction activities are located.		
6.2	Visual Quality Objectives	FRPA 5(1)(b)(ii) GAR 7(2)	ALL
	For the purposes of result or strategy 6.1, the VQO categories of preservation, retention, partial retention, modification and maximum modification will be as defined in FPPR section 1.1 as it was on the date this FSP was submitted for approval.		



## 2.7 Cultural Heritage Resources

### Background Information

Objectives set by government 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

Result or Strategy #	Element	Objective	FDU
7.1	Cultural Heritage Resources	FRPA 5(1)(b)(i) FPPR section 10	ALL
	<ol style="list-style-type: none"> <li>1. The holder of this FSP will, when constructing a road or harvesting a cutblock under this FSP, do so in a manner consistent with:               <ol style="list-style-type: none"> <li>a. Conserving or if necessary, protecting cultural heritage resources that are:                   <ol style="list-style-type: none"> <li>i. Referred to in FPPR S.10 as of the date of submission of this FSP; and</li> <li>ii. Likely to be adversely impacted by the activities of the FSP Holders under this FSP; and</li> <li>iii. Not conserved or protected by other arrangements; and</li> <li>iv. Capable of being addressed in the context of this FSP; and</li> <li>v. In the context of a traditional use by an aboriginal people, are determined to be important, valuable and scarce; through:                       <ol style="list-style-type: none"> <li>1. Information sharing with First Nations; or</li> <li>2. Comments made by affected First Nations in accordance with S.21 of the FPPR and subsequently, confirmed by government in consultation with the First Nations; or</li> <li>3. Comments made by affected First Nations following the FSP approval and subsequently, confirmed by government in consultation with the First Nations.</li> </ol> </li> </ol> </li> <li>b. The historical extent of the traditional use of the cultural heritage resources referred to in paragraph (a) within the First Nation's asserted traditional territory that falls within a FDU; and</li> <li>c. The timber harvesting rights in the agreements to which this FSP pertains.</li> </ol> </li> <li>2. In addition to subsection (1), the FSP Holder will annually:               <ol style="list-style-type: none"> <li>a. For each First Nation with asserted traditional territory within the FDU's:                   <ol style="list-style-type: none"> <li>i. Send 1:20 000 scale maps showing new proposed development areas that are within their asserted traditional territory; and</li> </ol> </li> </ol> </li> </ol>		



	<ul style="list-style-type: none"><li><ul style="list-style-type: none"><li>ii. Request updated cultural heritage resource information; and</li><li>iii. Request a meeting to review the information forwarded under 2(a)(i); and</li></ul></li><li>b. Request updated cultural heritage resource information from the ministry of Forests and Range.</li></ul> <p>3. Further to updated cultural heritage resource information received as under subsection (2), the FSP holder will inform the First Nation and the Ministry of Forests and Range, in writing, in changes to the proposed development areas as a result of the new information.</p> <p>4. For the purposes of this result or strategy:</p> <ul style="list-style-type: none"><li>a. “annually” means once per calendar year; and</li><li>b. “proposed development area” means areas proposed for road construction or cutblock harvesting; and</li><li>c. “new”, in reference to proposed development areas, refers to areas not previously forwarded to the First Nation.</li></ul>
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### 3 STOCKING STANDARDS

#### 3.1 ELECTION: STOCKING ON BASIS OF INDIVIDUAL CUTBLOCK OR GROUP OF CUTBLOCKS (FPPR s.16(1), 44(1) and 45)

##### 3.1.1 Individual Cutblock Basis

Subject to Paragraph 3.1.2, section 44(1) of the **FPPR**, as it was on the date this FSP was submitted for approval, will apply in all relevant situations or circumstances under this **FSP**.

##### 3.1.2 Group of Cutblocks Basis

Subject to Paragraph 3.1.3, if:

- (a) the chief forester approves a free growing date and stocking standards under section 16(3)(d) of the **FPPR**, as it was on the date this FSP was submitted for approval, or as it may be amended or replaced, that apply to a licence that is subject to this **FSP** or to a **BEC** on which harvesting to which this **FSP** applies occurs; and
- (b) the **Holder of this FSP** gives notice to the **Government**, prior to the *commencement date* for any cutblock included in the notice, specifying the situations or circumstances in which such free growing date and stocking standards will apply under this **FSP**,

then such free growing date and stocking standards will apply as specified in the notice.

##### 3.1.3 Return to Individual Cutblock Basis

After giving notice under Paragraph 3.1.2, the **Holder of this FSP** may give a subsequent notice to the **Government**, specifying that section 44(1) of the **FPPR**, as it was on the date this FSP was submitted for approval, will again apply in the situations or circumstances specified in the notice.

#### 3.2 GENERAL STANDARDS

##### 3.2.1 Species

Subject to Paragraph 3.3, for the purpose of meeting the obligation of the **Holder of this FSP** to establish a free growing stand, the **Holder of this FSP**:



- (a) subject to subparagraph (b), will use the species that are listed in Appendix 1 to this **FSP**; or
- (b) as an alternative to the species referred to in subparagraph (a), may use:
  - (i) such other species that are ecologically suitable and commercially valuable.

**3.2.2 REGENERATION DATE (FPPR ss.16(3)(a), 44(1)(a) and 1)**

Subject to Paragraphs 3.3, for the purposes of this **FSP**, the period referred to in the definition of *regeneration date* in the **FPPR**, as it was on the date this **FSP** was submitted for approval:

- (a) will, subject to subparagraph (b), be not more than 6 years unless otherwise specified in Appendix 1.

**3.2.2.1 FREE GROWING DATE (FPPR ss.16(3)(c & d), 44(1)(a)(b) and 1), 46(1)(a)(i)(b)(c)(d)(2)**

For the purposes of this **FSP**, the period referred to in the definition of *free growing date* in the **FPPR**, as it was on the date this **FSP** was submitted for approval:

will, subject to subparagraph 44(1)(b), be not more than 20 years unless otherwise specified in Appendix 1.

**3.2.3 STOCKING LEVEL (FPPR ss.16(3)(a) and (b) and 44(1)(a) and (b))**

For the purposes of this **FSP**, the stocking level for the stocking standards referred to in sections 16(3)(a) and (b) and 44(1)(a) and (b) and 46 of the **FPPR**, as they were on the date this **FSP** was submitted for approval, are:

- (a) subject to subparagraph (b):
  - (i) subject to clauses (ii) and (iii), an average for a *standards unit* of not less than 500 trees per hectare;
  - (ii) in heavy elk use areas, 50% of the amount specified in clause (i);
  - (iii) where cluster planting is used to enhance grizzly bear habitat, an average for a *standards unit* of not less than:
    - (A) 400 trees per hectare on the following sites:

BEC	Site Series
CWHvm1	07, 08
CWHvm2	07, 08



CWHvh1	06, 07
CWHvh2	06, 07
CWHms2	06

and

(B) 200 trees per hectare on the following sites:

BEC	Site Series
CWHvm1	09, 10, 14
CWHvm2	09, 10, 11
CWHvh1	08, 09, 13
CWHvh2	08, 09, 13
CWHms2	07, 08, 11

and

- (b) such other level of stocking that is consistent with:
- (i) maintaining or enhancing an economically valuable supply of commercial timber from British Columbia’s forests; and
  - (ii) the timber supply analysis and forest management assumptions that apply to the area covered by **FDU #5** or **FDU #6**, whichever applies, as of the date this FSP was submitted for approval, unless an exemption is obtained from this provision in accordance with the **FPPR**.

**3.2.4 MINIMUM HORIZONTAL INTERTREE DISTANCE (FPPR ss.16(3)(a) and (b) and 44(1)(a) and (b))**

Subject to Paragraphs 3.3, for the purposes of this **FSP**, the minimum horizontal intertree distance for the stocking standards referred to in sections 16(3)(a) and (b) and 44(1)(a) and (b) of the **FPPR**, as they were on the date this FSP was submitted for approval:

- (a) will, subject to subparagraph (b), be 2 metres;
- (b) may, in the situations or circumstances listed in the following table, be reduced to 1 metre:

<b>Situations or Circumstances Where 1 metre Minimum Horizontal Intertree Distance Applies</b>
<ul style="list-style-type: none"> <li>(i) &lt; 20 metres from road centreline;</li> <li>(ii) immediately adjacent to any:               <ul style="list-style-type: none"> <li>(A) stream – riparian area;</li> <li>(B) natural non productive area;</li> <li>(C) unplantable slash; or</li> </ul> </li> <li>(iii) on any:               <ul style="list-style-type: none"> <li>(A) talus site;</li> <li>(B) hygic or wetter site;</li> </ul> </li> </ul>



- (C) very harsh site where protected microsites are critical;
- (D) area where stump avoidance is necessary on a root rot site;
- (E) area utilized for grizzly bear, deer or other wildlife habitat or browse;
- (F) area with significant wildlife trees (> 50/hectare well spaced).

**3.2.5 FREE GROWING HEIGHT (FPPR ss.16(3)(b) and 44(1)(b))**

Subject to Paragraphs 3.3, for the purposes of this **FSP**, the free growing height referred to in sections 16(3)(b) and 44(1)(b) of the **FPPR**, as they were on the date this FSP was submitted for approval, is:

- (a) a height not less than the minimum specified in Appendix 1 to this **FSP**; or
- (b) such lesser height that is sufficient to demonstrate that the tree is adapted to the site, and is growing well and can reasonably be expected to do so.

**3.2.6 When Not Impeded by Competition**

Subject to Paragraphs 3.3, for the purposes of this **FSP**, and the applicable stocking standards referred to in sections 16(3)(b) and 44(1)(b) of the **FPPR**, as they were on the date this FSP was submitted for approval, the growth of a stand is not impeded by competition if:

- (a) the crop tree to deleterious brush ratio within the 1 metre cylinder meets or exceeds the following height:

<b>Deleterious Brush</b>	<b>Crop Tree % of Competing Height</b>
Alder or maple, unless the species qualifies under Paragraph 3.2.1(b), in which case it will not be considered deleterious brush	150
Bracken Fern	125
Willow	100
Other Brush	100

where:

- (i) **“crop tree”** means a tree used to meet the requirements under Paragraph 3.2.3;
- (ii) **“other brush”** means salmonberry, elderberry, thimbleberry, fireweed and salal; and
- (iii) **“deleterious brush”** means any of the brush listed in the foregoing table that is materially impeding the growth of crop trees;



or

- (b) is otherwise not impeded by competition.

### 3.2.7 Stocking Applies to Productive Forest Land Within NAR

Subject to Paragraph 3.3, the requirements in Section 3 of this FSP apply to the productive forest land within the *net area to be reforested*.

### 3.2.8 Additional Stocking Level Requirement at Free Growing

Subject to Paragraph 3.3, in addition to the stocking level required under Paragraph 3.2.3, of the area harvested during the **Term** and to which this FSP applies that meets the requirements for a *free growing stand* under this FSP in any two calendar year period, 80% will be stocked with an average for a *standards unit* of at least 900 trees per hectare, provided, however that:

- (a) the requirements of this Paragraph do not apply to determine whether or not any particular area meets those requirements for a *free growing stand*; and
- (b) this Paragraph will not apply to an area to which this FSP applies if and to the extent the minister is satisfied that the *regeneration date* and *stocking standards* that apply to that area are, without the application of this Paragraph, reasonable, having regard to the future timber supply for the area.

## 3.3 VARIATIONS FROM GENERAL STANDARDS

Despite Paragraphs 3.2.1 to 3.2.7 and 3.2.10:

- (a) if an uneven aged silviculture system is applied, and the *net area to be reforested* is less than 0.5 hectares but at least 0.1 hectares, the required stocking level will be an average within a *standards unit* of not less than 250 trees per hectare;
- (b) if the *net area to be reforested* is less than 0.1 hectares, no stocking is required; and
- (c) an area meets the requirements for regeneration date and stocking standards and for free growing height, date and stocking standards if, on average for the *standards unit*, at least 90% of the *net area to be reforested* meets the requirements.



## 4 MEASURES

### 4.1 Invasive Plants

For the purpose of FRPA section 47 and FPPR section 17, the licensee will, in all FDUs:

- 4.1.1 Identify areas of known sites of invasive plants specified in the *Invasive Plants Regulation* and sites considered by the prescribing site plan forester as high or extremely high risk to invasive plant establishment through the forest practices, using information gathered from the Ministry of Forests and Range district staff, regional experts, or other agencies.
- 4.1.2 If, on a site referred to in Paragraph 4.1.1, more than 1 contiguous hectare of soil has been disturbed by road or landing construction, or through forest floor displacement during site preparation, in a Cutblock to which this FSP applies that is harvested, the Holder of this FSP will, within six months of completing the construction or site preparation, seed the disturbed area if:
- (i) the disturbance is within 100 metres of a high risk invasive plant area identified in the most recent update under Paragraph 4.1.1;
  - (ii) such disturbance is likely to result in the introduction or spread of invasive plants in all FDUs under this plan; and
  - (iii) such seeding will materially reduce that likelihood.
- 4.1.3 For the purposes of the seeding referred to in Paragraph 4.1.2, the Holder of this FSP will use grass seed that meets or exceeds the Canada Common #1 specifications in the Seeds Act R.S.C. 1985, c. S-8.



## APPENDIX 1: SPECIES AND FREE GROWING HEIGHT

For the purposes of Paragraphs 3.2.1(a) and 3.2.5(a) of this FSP, the species and height referred to in those provisions by BEC and site series are as follows:

### TSESHAHT FLTC A53361 2007 FSP STOCKING STANDARDS

A. Administration																
Region Coast Forest Region	District South Island Forest District	Management Unit(s) See FDU maps	Licensees Tseshah First Nation – FLTC A79344								Date April 3, 2007					

BEC			Preferred Species								Acceptable Species						Stocking			Regen Delay (yrs)	Free Grow Late (yrs)		
Zone	Subzone/ Variant	Site Series	1	Min Ht (m)	2	Min Ht (m)	3	Min Ht (m)	4	Min Ht (m)	1	Min Ht (m)	2	Min Ht (m)	3	Min Ht (m)	TSS P&A (sph)	MSS P&A (sph)	MSS P (sph)				
CWH	vm1	01	Cw	1.5	Hw	3.0	Fd <sup>8,9,16</sup>	3.0			Ba <sup>26</sup>	1.75					900	500	400	6	20		
CWH	vm1	02*	Fd <sup>8,9,16</sup>	2.0	Pl	1.25	Cw	1.0	Hw	1.0	Yc	1.0					400	200	200	3	20		
CWH	vm1	03	Cw	1.0	Hw	2.0	Fd <sup>8,16</sup>	2.0			Pl <sup>1</sup>	1.25					800	400	400	6	20		
CWH	vm1	04	Cw	1.5	Hw	3.0	Fd <sup>8,16</sup>	3.0									900	500	400	3	20		
CWH	vm1	05	Cw	1.5	Fd <sup>1,6,9,16</sup>	3.0	Hw	3.0			Ss <sup>35</sup>	3.0	Ba	1.75			900	500	400	3	20		
CWH	vm1	06	Cw	1.5	Hw	3.0					Ba <sup>26</sup>	1.75					900	500	400	6	20		
CWH	vm1	07	Cw	2.0	Hw <sup>2</sup>	4.0					Ba	2.25	Ss <sup>35</sup>	4.0			900	500	400	3	20		
CWH	vm1	08	Cw	2.0	Hw <sup>2</sup>	4.0					Ba	2.25	Ss <sup>35</sup>	4.0			900	500	400	3	20		
CWH	vm1	09	Cw	2.0	Hw	4.0					Ba	2.25					900	500	400	3	20		
CWH	vm1	10	Cw <sup>1</sup>	2.0							Ba <sup>1</sup>	2.25	Ss <sup>1,35</sup>	4.0	Hw	4.0	900	500	400	3	20		
CWH	vm1	11	No Conifers																				
CWH	vm1	12	Cw <sup>1</sup>	1.0	Hw <sup>1</sup>	2.0	Yc <sup>1</sup>	1.0			Pl <sup>1</sup>	1.25					800	400	400	3	20		
CWH	vm1	13*	Pl <sup>1</sup>	1.25							Cw <sup>1</sup>	1.0	Yc <sup>1</sup>	1.0	Hw <sup>1</sup>	1.0	400	200	200	3	20		
CWH	vm1	14	Cw <sup>1</sup>	1.5							Hw <sup>1</sup>	3.0	Ss <sup>1,35</sup>	3.0	Yc <sup>1</sup>	1.5	800	400	400	3	20		
CWH	vm2	01	Fd <sup>1,8,9,23</sup>	2.25	Hw	2.5	Cw	1.5	Yc	1.5	Ba	1.75	Ss <sup>7,15,35</sup>	3.0	Hm <sup>13</sup>	1.0	900	500	400	6	20		
CWH	vm2	02*	Cw	1.0	Fd <sup>9,16</sup>	1.5	Yc	1.0	Pl	1.25	Hw	1.75	Hm <sup>13</sup>	1.75			400	200	200	3	20		
CWH	vm2	03	Cw	1.0	Hw	1.75	Fd <sup>9,16</sup>	1.5	Yc <sup>69</sup>	1.0	Pw <sup>16,31</sup>	2.5	Hm <sup>13</sup>	0.75			800	400	400	6	20		
CWH	vm2	04	Cw	1.0	Hw	1.75	Fd <sup>9,16</sup>	1.5	Yc <sup>69</sup>	1.0	Ba	1.5	Pw <sup>16</sup>	2.5	Hm <sup>13</sup>	0.75	900	500	400	6	20		
CWH	vm2	05	Cw	1.5	Hw	2.5	Yc <sup>69</sup>	1.5			Ba	1.75	Fd <sup>1,8,9,23</sup>	2.25	Ss <sup>15,35</sup>	3.0	900	500	400	3	20		
CWH	vm2	06	Cw	1.5	Hw	2.5	Yc <sup>69</sup>	1.5			Ba	1.75	Hm <sup>13</sup>	1.0			900	500	400	6	20		
CWH	vm2	07	Cw	2.0	Hw <sup>2</sup>	3.5	Yc <sup>69</sup>	2.0			Ba	2.25	Ss <sup>15,35</sup>	4.0	Hm <sup>13</sup>	1.0	900	500	400	3	20		
CWH	vm2	08	Cw <sup>14</sup>	2.0	Hw <sup>2,30</sup>	3.5	Yc <sup>69</sup>	2.0			Ba	2.25	Ss <sup>30,35</sup>	4.0	Hm <sup>13</sup>	1.0	900	500	400	3	20		
CWH	vm2	09	Cw <sup>1</sup>	1.0	Hw <sup>1</sup>	1.75	Yc <sup>1</sup>	1.0			Ba	1.5	Hm <sup>13</sup>	0.75			800	400	400	3	20		
CWH	vm2	10*	Pl <sup>1</sup>	1.25	Yc <sup>1</sup>	1.0	Cw	1.0			Hm <sup>13</sup>	0.75	Hw <sup>1</sup>	1.75	Fd <sup>8,9,16</sup>	1.5	400	200	200	3	20		
CWH	vm2	11	Cw <sup>1</sup>	1.0	Yc <sup>1</sup>	1.0					Hw <sup>1</sup>	1.75	Hm <sup>13</sup>				800	400	400	3	20		

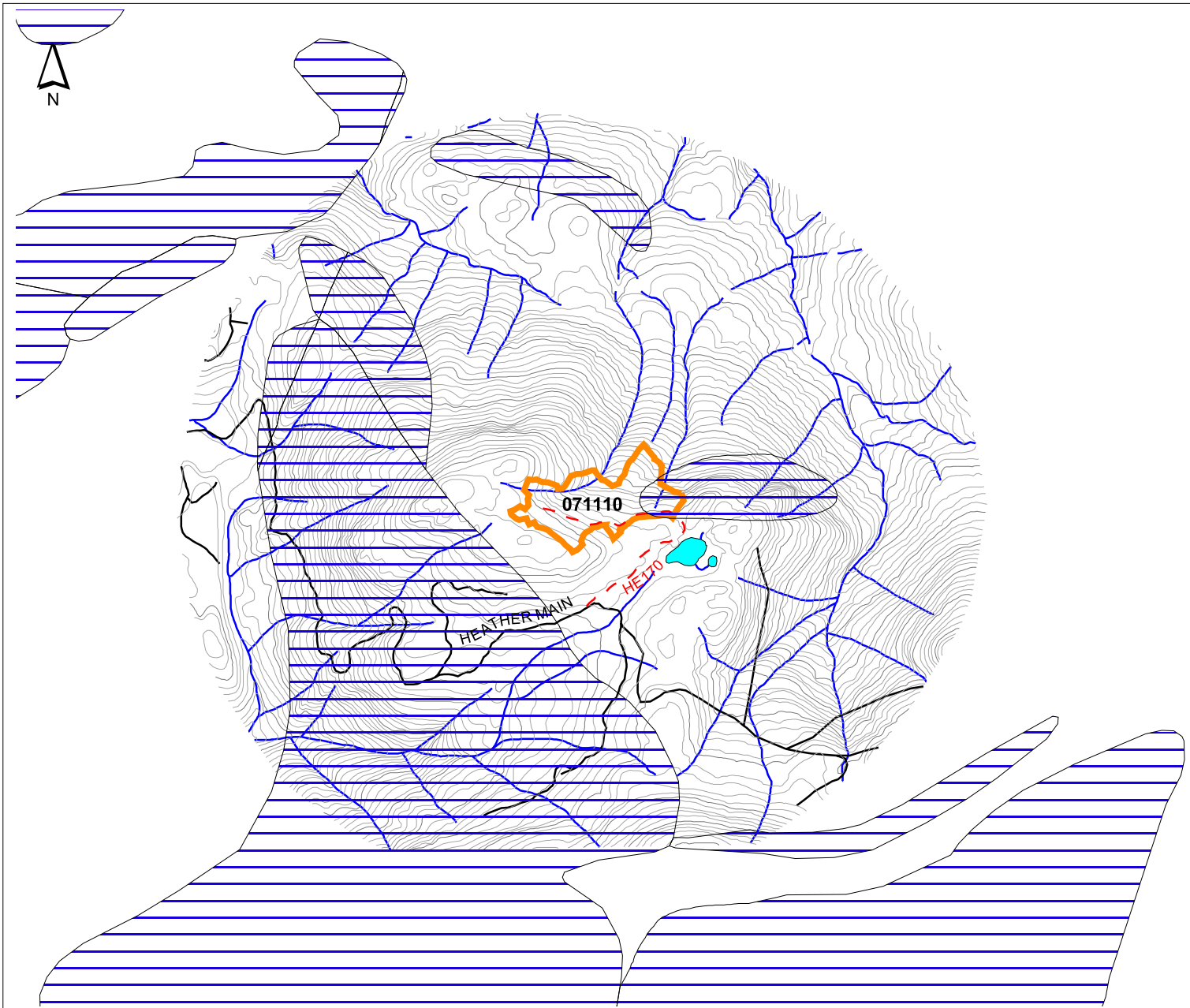


### Notes

TSS = Target Stocking Standard  
MSS = Minimum Stocking Standard  
P&A The sum of preferred and acceptable species  
P Preferred Species  
The target stocking is reduced by 100 stems per hectare when Douglas-fir forms the majority of the stand  
1, 2, etc. Indicates the constraints applied to the use of that species. See "Species Constraints General Rules"  
\* Avoid logging these site series  
Minimum inter-tree spacing is 2 meters unless otherwise specified (s. 5.2.4)  
Free Growing trees must be >150% of the brush height unless otherwise specified (s. 5.2.6)

### **Species Constraints General Rules**

<b>CWH vm1</b>		<b>CWH vm2</b>	
Constraint #	Constraint Description	Constraint #	Constraint Description
<b>1</b>	Elevated micro-sites are preferred	<b>1</b>	Elevated micro-sites are preferred
<b>2</b>	Suitable on thick forest floors	<b>2</b>	Suitable on thick forest floors
<b>7</b>	Restricted to nutrient-medium sites	<b>7</b>	Restricted to nutrient-medium sites
<b>8</b>	Restricted to steep slopes	<b>8</b>	Restricted to steep slopes
<b>9</b>	Restricted to southerly aspects	<b>9</b>	Restricted to southerly aspects
<b>15</b>	Restricted to the northern part of the Biogeoclimatic unit in VFR	<b>13</b>	Restricted to the upper elevations of the biogeoclimatic unit
<b>16</b>	Restricted to the southern part of the Biogeoclimatic unit in VFR	<b>14</b>	Restricted to the lower elevations of the biogeoclimatic unit
<b>23</b>	Restricted to trial usage	<b>15</b>	Restricted to the northern part of the Biogeoclimatic unit in VFR
<b>25</b>	Restricted to sites lacking salal	<b>16</b>	Restricted to the southern part of the Biogeoclimatic unit in VFR
<b>26</b>	Not to form a major species component on salal-dominated sites	<b>23</b>	Restricted to trial usage
<b>35</b>	Risk of weevil damage	<b>30</b>	Risk of porcupine damage
<b>41</b>	Limited to poorly drained soils	<b>31</b>	Risk of white pine blister rust
<b>53</b>	Minor Component	<b>35</b>	Risk of weevil damage
		<b>53</b>	Minor Component
		<b>69</b>	Species is restricted to upper elevations when used in the southern part of the biogeoclimatic unit









# FOREST STEWARDSHIP PLAN

Tseshahst First Nation




FLTC A79344  
 South Island Forest District  
 Alberni East Operating Area  
 FDU# 5 - Cutblock # 071110

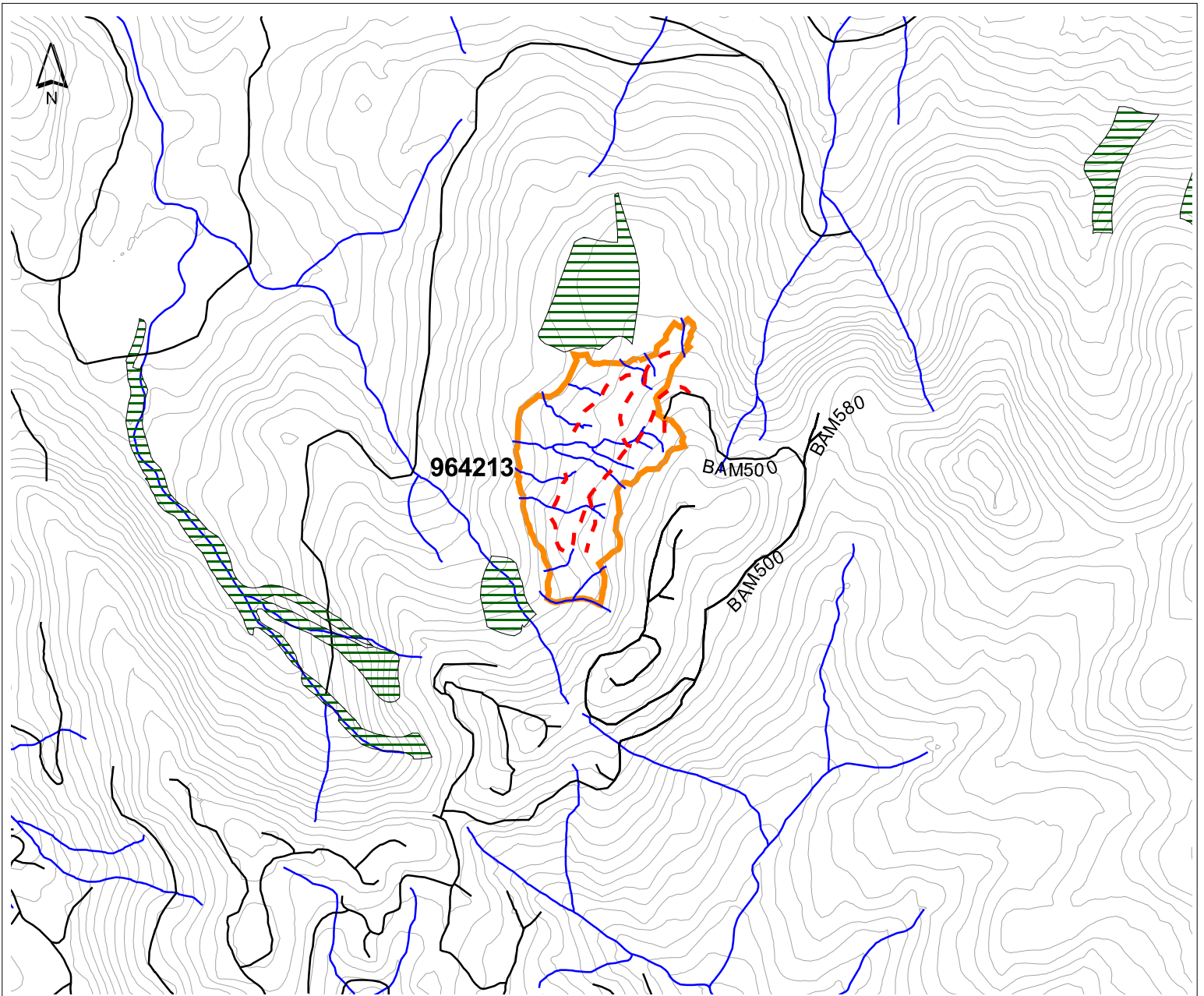
## Map Legend

- FDU Boundary 
- Roads Under Permit (Western Forest Products) 
- Proposed Roads 
- Fish Stream 
- Non-Fish Stream 
- Scenic Areas 

1:20000

200 0 200 400 Meters









# FOREST STEWARDSHIP PLAN

Tseshaht First Nation



FLTC A79344  
 South Island Forest District  
 Alberni East Operating Area  
 FDU# 6 - Cutblock # 964213

## Map Legend

- FDU Boundary 
- Roads Under Permit (Western Forest Products) 
- Proposed Roads 
- Fish Stream 
- Non-Fish Stream 
- OGMA 4b Draft Oct16, 2006 

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