

DOWNIE STREET SAWMILLS LTD.

FOREST STEWARDSHIP PLAN
FOREST LICENCE A31102
2006-2011

COLUMBIA FOREST DISTRICT
REVELSTOKE TIMBER SUPPLY AREA

TABLE of CONTENTS

1.0	Introduction	4
2.0	Interpretation	6
3.0	Application of FSP	8
4.0	Submission and Implementation Dates	9
5.0	Term of FSP	9
6.0	Forest Development Units	9
7.0	Objectives, Strategies, Results, and Practice Requirements	10
8.0	Measures for Invasive Plants and Range Barriers	22
9.0	Stocking Requirements	23
10.0	Review and Referral	24
11.0	Additional FSP Information	24
12.0	Maps	25
13.0	Signatures	26

FIGURES

Figure 1:	Location of FLA31102-Overview Map	5
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TABLES

Table 1:	Forest Development Units	9
Table 2:	Objectives Set By Government For Soils	11
Table 3:	Objectives Set By Government For Timber	12
Table 4:	Objectives Set By Government For Wildlife	13
Table 4A:	Objectives Set By Government For Caribou	13
Table 4B:	Objectives Set By Government For Grizzly Bear Management	13
Table 4C:	Objectives Set By Government For Mule Deer Ungulate Winter Range	14
Table 4D:	Objectives Set By Government For Wildlife Habitat Areas	14
Table 5:	Objectives Set By Government For Water, Fish, Wildlife and Biodiversity Within Riparian Areas	15
Table 6:	Objectives Set By Government For Fish Habitat in Fisheries Sensitive Watersheds	15
Table 7:	Objectives Set By Government For Water In Community Watersheds	16
Table 8:	Objectives Set By Government For Wildlife and Biodiversity-Stand Level	16
Table 9:	Objectives Set By Government For Wildlife and Biodiversity-Landscape Level	17
Table 10:	Objectives Set By Government For Visual Quality	18
Table 10.1:	Allowable Extent of Alteration by Visual Quality Objectives	18
Table 11:	Objectives Set By Government For Cultural Heritage Resources	19
Table 11.1:	First Nations Claimed Traditional Territory within Downie FDU's	20
Table 12:	Objectives Set By Government For Recreation Features	21
Table 13:	Objectives Set By Government For Lakeshore Management Zones	21

APPENDICES

Appendix 1: Stocking Standards

Appendix 2: WHA Orders

Appendix 3: Areas Protected Under Cutting Permits and FRPA Section 196

Appendix 4: Revelstoke Higher Level Plan Order

Appendix 5: UWR Order

Appendix 6: Recreation Sites and Trails

Appendix 7: FSP Amendment Log

Appendix 8: FSP Maps

1.0 INTRODUCTION

- 1.1 The holder of this *Forest Stewardship Plan (FSP)* is Downie Street Sawmills Ltd.(hereafter referred to as *Downie*), whose Forest Licence A31102 is located within the Revelstoke Timber Supply Area of the Columbia Forest District. The licence has an Annual Allowable Cut (*AAC*) of 132,152 m³ at the time of this *FSP* submission. It is recognized that *Government* may revise this *AAC* in future Timber Supply Reviews.
- 1.2 The *Forest Stewardship Plan* is a requirement of the *Forest and Range Practices Act*. Under *FRPA* the *FSP* is the only operational plan that requires *Government* approval. In general *FSPs* focus more on how timber harvesting operations will meet *Government* objectives, rather than on the shape, size and location of *cutblocks* and *roads* as was previously the case with *FDPs*. An overview map is provided in Figure 1.

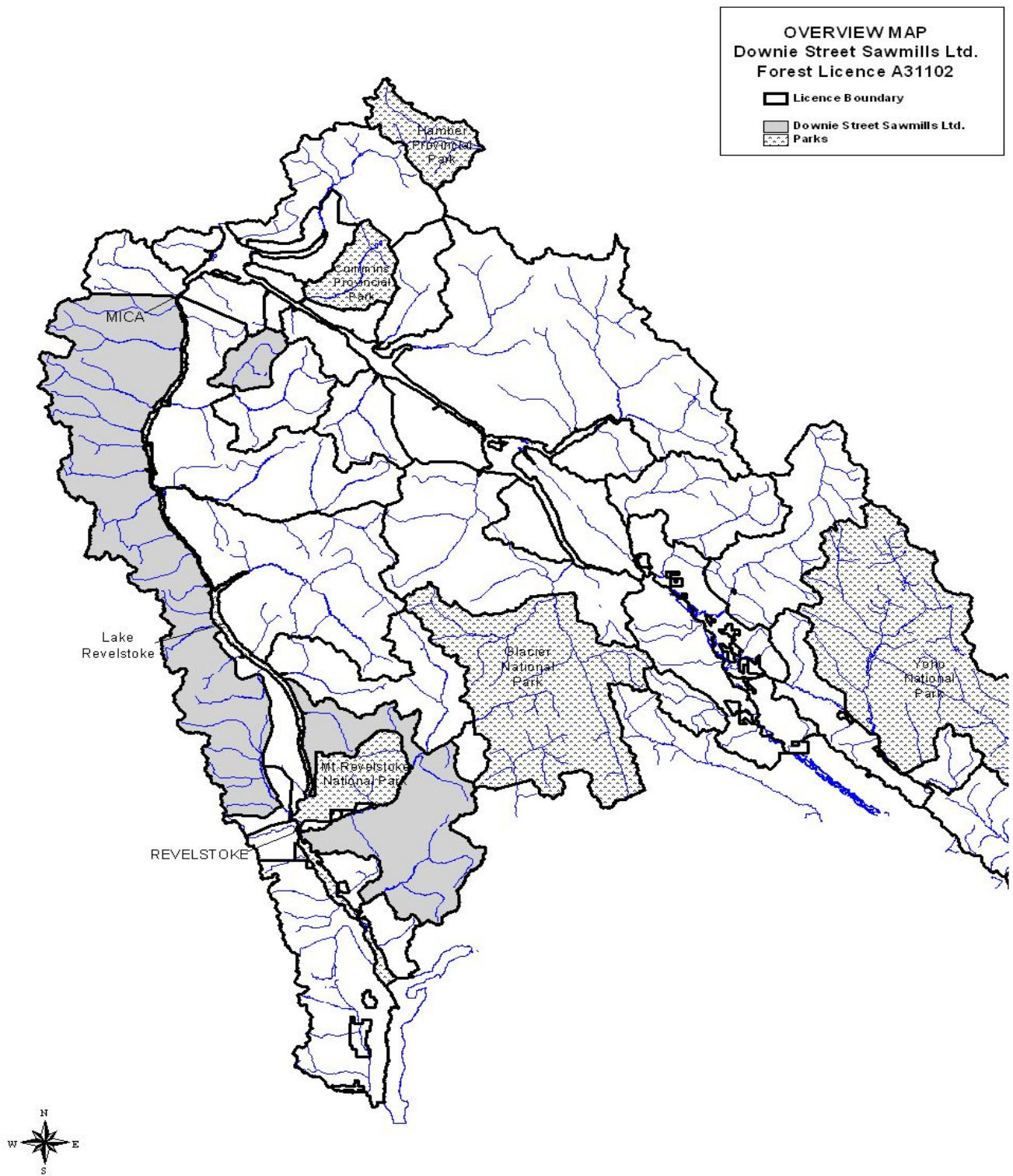


Figure 1- Overview Map

2.0 INTERPRETATION

2.1 General

- 2.1.1 In this *FSP*, unless the *FSP* specifies, or the context requires, otherwise:
- (a) the singular includes the plural and the plural includes the singular;
 - (b) the feminine, the masculine and the neuter are interchangeable and each includes the body corporate
- 2.1.2 If an objective for which a *result* and/or *strategy* is stated in this *FSP* is rescinded or cancelled, the associated *result* and *strategy* is no longer applicable effective the date of cancellation of the objective.
- 2.1.3 The Appendices to this *FSP* are a part of this *FSP* and a reference to this *FSP* in this *FSP* includes a reference to the Appendices to this *FSP*.

2.2 Definitions

- 2.2.1 Unless otherwise expressly indicated, or indicated by context, words and phrases used in this *FSP* have the definition given them in *FRPA*, the *FA* and the associated regulations as they were on the *submission date* and are shown in italic font in this *FSP* document except in section titles and table headings. Words or phrases shown in this *FSP* in ‘informal roman’ font have the following meaning:

“Government” has the meaning as provided in the Interpretation Act R.S.B.C 1996, c.38

“high valued heli-ski areas” means very important heli-ski areas identified by Canadian Mountain Holidays or Selkirk Tangiers within the *CFLB* of their tenured areas that are located within *Downie FDU’s*

“implementation date” means the date this *FSP* is approved in writing by the *MOFR* Minister or delegated decision maker

“practicable” is a term referred to in *FRPA* that has the meaning given to it as stated in ‘*FRPA* General Bulletin #3-Use of the Term *Practicable*’ dated June 9, 2005. Generally *practicable* means taking reasonable measures to avoid impacting a value, including an economic cost beyond what would be normally expected.

“qualified registered professional” means a person who:

- (a) has appropriate education and experience to carry out the activity, and
- (b) is a member of, or licensed by, a regulatory body in British Columbia that has the legislated authority to regulate its members performing the activity

“reasonable” in the context of this *FSP* generally means fair, proper, just and suitable under the circumstances

“submission date” means the date specified in paragraph 4.1

“term” means the period specified in paragraph 5.1

2.3 Acronyms

2.3.1 A list of acronyms and their meanings used in this *FSP* are listed below:

<u>ACRONYM</u>	<u>Meaning</u>
AAC	Annual Allowable Cut
<i>APPS et al</i>	Refers to the research paper titled 'Scale-Dependent Habitat Selection by Mountain Caribou, Columbia Mountains, BC"- Apps, McLellan, Kinley, Flaa; 2001
BCTS	BC Timber Sales
CFD	Columbia Forest District
CFLB	Refers to Crown Forested Land Base as used in Timber Supply Reviews
CHR	Cultural heritage resource
CFRA	Caribou Forest Retention Area applicable to Downie FDU s
DDM	Delegated Decision Maker
DOWNIE	Downie Street Sawmills Ltd.; the holder of this FSP
FA	Forest Act
FDP	Forest Development Plan
FDU or FDU s	Forest Development Unit or Forest Development Units under this FSP
FL	Forest Licence
FN	First Nations
FPC	Forest Practices Code
FPPR	Forest Planning and Practices Regulation
FRPA	Forest and Range Practices Act
FSP	Forest Stewardship Plan
FSP map(s)	Forest Stewardship Plan map(s) contained in Appendix 8 of this FSP
GAR	Government Actions Regulation
ILMB	Integrated Land Management Bureau
KSDP	Kootenay Spatial Data Partnership or its successors
LU	Landscape Unit
MOFR	Ministry of Forests and Range
MOGMA	'Mature + Old' (Seral Age) Growth Management Areas as defined in Table 2.4 of the RHLPO
NAR	Net area to be reforested as defined in section 1(1) of the FPPR
OGMA	'Old' (Seral Age) Growth Management Area as defined in Table 2.4 of the RHLPO
OSBG	Objectives Set By Government (as defined in section 1(1) of FRPA)
RHLPO	Revelstoke Higher Level Plan Order(effective date March 25,2005)
RPF	Registered Professional Forester
THLB	Timber Harvesting Land Base as referred to in Timber Supply Reviews
TSA	Timber Supply Area
TSA 27 FSP MOU	Refers to the signed memorandum of understanding agreement dated __, 2006 between the Timber Supply Area #27 licensees (Downie Street Sawmills Ltd., Bell Pole Company, Joe Kozek Sawmills Ltd., Selkirk Timber Company and BC Timber Sales Okanagan-Columbia) and related to FSP objectives. Note: Development of this agreement is in progress.
UWR	Ungulate Winter Range
VQO	Visual Quality Objective
WHA	Wildlife Habitat Area

2.4 Changes to Legislation

2.4.1 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 situation may be.

2.5 Matters Affecting This FSP

- 2.5.1 The *strategies, results, measures and stocking standards* contained in this **FSP** do not apply if and to the extent they are affected by any of the following events that are beyond the reasonable control of **Downie**:
- a) Natural events including, without limitation, landslide, fire, insect/disease outbreaks, flood, animal effects or abiotic factors,
 - b) An action or inaction by *Government*, including, without limitation:
 - (i.) Forest and/or industrial closures due to wildfire risks;
 - (ii.) A **FRPA** section 77(1) order or any other action by *government* in respect to an unjustifiable infringement of an *aboriginal right or title*;
 - (iii.) Delay in issuing a *road or cutting permit*;
 - (iv.) Failure to provide adequate information;
 - (v.) A change in law;
 - c) Actions or inactions by third parties including without limitation, work stoppage, inclusive of lockout, strike, injunction, environmental protest, or moratorium;
 - d) Depressed log or lumber markets as determined by the **MOFR** Minister;
 - e) Unusual Lake Revelstoke conditions impacting ferry operations (i.e. unusual reservoir levels, thick ice);
 - f) Other circumstances similar in nature to those listed under (a) to (d)
- 2.5.2 The premise of paragraph 2.5.1 is based upon sections 107 and 108 of **FRPA** and section 96 of the **FPPR**. Also, Davis and Company's BC Forestry Law, 2005 under the title 'Introducing FRPA' and the section referred to as 'Force Majeure May Excuse Performance of Obligations' states:
- "If a licensee is unable to meet certain prescribed obligations due to significantly increased costs that results from events not caused by the licensee or that the licensee exercised due diligence in attempting to prevent, the *government* is required to either waive the obligation or fund the licenses performance of the obligation".
- 2.5.3 If **Downie** applies any item(s) from section 2.5.1, **Downie** will give *Government* notice within 30 calendar days of the event occurrence or as soon thereafter as is *reasonable*. The written notice will include the nature and details of the event, how and what section of this **FSP** was affected by the event.
- 2.5.4 Notwithstanding paragraphs 2.5.1, 2.5.2 and 2.5.3 **Downie** is not relieved of an obligation that is absolute law under **FRPA**.

3.0 APPLICATION OF FSP

- 3.1 Subject to exceptions under **FRPA** this **FSP** applies to Forest Licence A31102 and Downie Street Sawmills Ltd. (**Downie**) is the tenure holder.
- 3.2 Pursuant to sections 197(4), (5) and (7) of **FRPA**, *road and cutblocks* associated with existing *road or cutting permits* held by **Downie** that were in effect prior to the approval date of this **FSP** will continue to be subject to the **FPC** and **FPC** regulations. These *cutblocks* (listed in Appendix 3), and *roads* are shown on the **FSP** maps contained in Appendix 8.
- 3.3 *Cutting or road permits* issued to **Downie** after the *implementation date* will comply with the requirements of **FRPA**, the **FRPA** regulations and this **FSP** subject to paragraph 3.5 below.

- 3.4 FRPA Section 196 (1) or (2) *cutblocks* or *roads* that do not have a signed completed *Site Plan* by the *implementation date* will comply with this **FSP** and **FRPA**.
- 3.5 In accordance with **FRPA** section 197(3) the site level information contained in a completed *Site Plan* signed on or before the *implementation date* will continue to be applicable under this **FSP** for those applicable **FRPA Downie** Section 196 (1) or (2) *cutblocks* or *roads*.

4.0 SUBMISSION AND IMPLEMENTATION DATES

- 4.1 The *submission date* of this **FSP** is May 24, 2006.
- 4.2 The *implementation date* of this **FSP** is the date this **FSP** is approved in writing by the *Minister* or **DDM**.

5.0 TERM OF FSP

- 5.1 The *term* of this **FSP** is 5 years commencing from the *implementation date*. This **FSP** may be extended pursuant to **FRPA** and the *regulations* or terminated earlier if **Downie** elects to replace it with another approved **FSP**.

6.0 FOREST DEVELOPMENT UNITS AND MAPS

6.1 Forest Development Units

- 6.1.1 Forest Development Units (**FDU's**) are geographic areas where forest development may occur in accordance to specific *objectives*, *strategies*, and *results* identified in this **FSP**. A total of nine new **FDU's** are included in this plan. For reference purposes each **FDU** is assigned a name as shown in Table 1. In accordance with section 14(1) of the **FPPR** the new **FDU's** are:

Table 1. Forest Development Units

LU	FDU Name
R3	Akolkolex
R7	Jordan
R10	LaForme
R11	Bourne
R14	Fissure/Liberty
R15	Hoskins/Horne/Scrip
R16	Soards/Pat
R18	Louis Lee
R20	Illecillewaet

- 6.1.2 The boundaries of all **FDU's** under this **FSP** are depicted on the maps contained in Appendix 8. There

are no **FDU's** in effect within the Revelstoke **TSA** on the *submission date* of this **FSP**. *Woodlots*, private land, and any other lands with legal encumbrances which preclude harvesting by **Downie**, that are located within the **FDU's** identified in Table 1 above, are not to be considered part of the **FDU** area and may or may not be shown on the **FSP** maps and are excluded from the requirements of this **FSP**.

6.2 Maps

- 6.2.1 1:50,000 scale **FSP** maps are included in Appendix 8. There are a total of nine maps each corresponding to a **FDU**. The maps show the following:
- (a) the boundaries of all **FDUs** under this **FSP**;
 - (b) the areas to which sections 196(1) and (2) apply;
 - (c) the areas subject to a *cutting permit* or *road permit* held by **Downie** in effect on the *submission date*;
 - (d) the designations in effect 4 months prior to the *submission date* of this **FSP** are:
 - i. *ungulate winter range*,
 - ii. *wildlife habitat areas*,
 - iii. *lakeshore management zone*,
 - iv. *L1 lakes*,
 - v. *scenic area*,
 - vi. *community watershed*,
 - vii. *draft old growth management areas*,
 - viii. *areas where commercial timber harvesting is prohibited by another enactment*,
 - (e) other supplemental and geographic map information which assist in the interpretation of this **FSP's** results and strategies

7.0 OBJECTIVES, STRATEGIES, RESULTS AND PRACTICE REQUIREMENTS

- 7.1 For the purposes of this **FSP**, *objectives* are those established by *Government* set in regulation (section of **FPPR**), those enabled by regulation (**GAR**), those grand parented by **FRPA**, and those established by the **RHLPO**. Several **CFD objectives** are also included. Tables 2 to 13 state the *objectives*, *results* and *strategies*, *practice requirements* and the **FDUs** that they apply to. Where reference is made to legislation (**FRPA**, **FRPA** regulations, *Government* Orders) they are applicable to those in existence on this **FSP submission date**.

Table 2 OSBG for: Soils	
Source of Objective:	<i>FPPR</i> Section 5
Objective:	The <i>objective</i> set by <i>Government</i> for soils is, without unduly reducing the supply of timber from British Columbia's forests, to conserve the productivity and the hydrologic function of soils.
Results and Strategies:	<p>Soil disturbance limits:</p> <p><i>Downie</i> will comply with section 35 of the <i>FPPR</i> except for those:</p> <ol style="list-style-type: none"> 1. <i>FRPA</i> section 196 <i>cutblocks</i> or future declared blocks located within 2003 wildfire areas¹ where the <i>soil disturbance</i> limits shall be as follows: <ol style="list-style-type: none"> a. <i>Sensitive soils</i>- the maximum allowable <i>soil disturbance</i> of the <i>NAR</i> for each <i>cutblock</i> is 5% plus the fire trail² percent. b. <i>Not sensitive soils</i>- - the maximum allowable <i>soil disturbance</i> of the <i>NAR</i> for each <i>cutblock</i> is 10% plus the fire trail² % or the fire trail² % plus 10% to a maximum of 20%. 2. For <i>FRPA</i> section 196 <i>cutblocks</i> or future 'declared' blocks where post harvest <i>mechanical site preparation</i> and/or planned <i>soil disturbance</i> (created by harvesting to assist with artificial or natural reforestation) is prescribed, the maximum <i>soil disturbance</i> of the <i>NAR</i> for each <i>cutblock</i> is 30% and 20%, respectively.
Practice Requirements:	<p>Limits for permanent access structures:</p> <p><i>Downie</i> will comply with section 36 of the <i>FPPR</i>.</p> <ul style="list-style-type: none"> • Must not cause landslides: <i>Downie</i> will comply with section 37 of the <i>FPPR</i>. • Must maintain natural surface drainage patterns: <i>Downie</i> will comply with section 38 of the <i>FPPR</i>. • Must revegetate soils: <i>Downie</i> will comply with section 40 of the <i>FPPR</i>.
Applicable FDU's:	All <i>FDU's</i> as listed in section 6.0 and as specified in #1 above if applicable.

¹ refers to 2003 wildfire areas as depicted on the *FSP* maps

² refers to fire trails constructed by the *MOFR* during the 2003 wildfire season

Table 3 OSBG for: Timber	
Source of Objective:	<i>FPPR</i> Section 6
Objective:	<p>The <i>objectives</i> set by <i>Government</i> for timber are to:</p> <ol style="list-style-type: none"> 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 the Act, are competitive in relation to equivalent costs in relation to regulated <i>primary forest activities</i> in other jurisdictions, and c) Ensure that the provisions of this regulation and of the Act that pertain to <i>primary forest activities</i> 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.
Results and Strategies:	<p>Pursuant to section 12(8) of <i>FPPR Downie</i> is exempted from specifying <i>results</i> and <i>strategies</i> for timber objectives. However, <i>Downie</i> will implement the following <i>results</i> and <i>strategies</i> which will complement <i>Government</i> objectives for timber:</p> <p>During periods where purchasers¹⁸ of pulp logs restrict or do not accept pulp logs due to market conditions <i>Downie</i> will do one or more of the following (applicable to all <i>Downie FDU's</i>):</p> <ol style="list-style-type: none"> (a) Haul the pulp logs to <i>Downie's</i> log yard or other site for storage and or sawmilling, (b) Providing it is safe to do so and WorkSafe BC regulations are adhered to, develop silvicultural system prescriptions and <i>site plans</i> for <i>cutblocks</i> that reserve trees from cutting which are considered potential pulp logs¹⁹ providing: <ol style="list-style-type: none"> I. An <i>RPF</i> signs the <i>site plan</i> which includes a statement that the prescription will likely have negligible impacts upon timber supply, (c) Fell and transport the pulp logs¹⁹ to a suitable decking area for storage and or disposal, (d) Within the <i>cutblock</i>, fell the trees that are potential pulp logs¹⁹ and retain as coarse woody debris²⁰, (e) Forest stands that contain a significant pulp component may not be harvested until there is a purchaser¹⁸ for pulp logs.
Practice Requirements:	<ul style="list-style-type: none"> • Must destroy brood if concentrated: <i>Downie</i> will comply with section 41 of the <i>FPPR</i>. • Use of livestock: <i>Downie</i> will comply with section 42 of the <i>FPPR</i>. • Must comply with Chief Forester standards or alternative use of seed; must keep records of seed use: <i>Downie</i> will comply with section 43 of the <i>FPPR</i> • Must establish a stand: <i>Downie</i> will comply with section 44 of the <i>FPPR</i>.
Applicable FDU's:	All <i>FDU's</i> as listed in section 6.0

¹⁸ Zellstoff Celgar or other whole log pulp buyer¹⁹ Exempt from waste assessment penalties²⁰ Coarse woody debris may not be retained if a prescribed burn is conducted

Table 4 OSBG for: Wildlife	
Source of Objective:	<i>FPPR</i> Section 7(1)
Objective:	The <i>OSBG</i> for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas for <ul style="list-style-type: none"> (a) the survival of <i>species at risk</i>, (b) the survival of <i>regionally important wildlife</i>, and (c) the winter survival of <i>specified ungulate species</i>
Practice Requirements:	<ul style="list-style-type: none"> • Must comply with general wildlife measures: <i>Downie</i> will comply with section 69 of <i>FPPR</i>. • Must ensure that a primary forest activity does not damage or render ineffective a wildlife habitat feature: <i>Downie</i> will comply with section 70(2) of <i>FPPR</i>.
Results and Strategies and Practice Requirements:	Refer to Tables 4A, 4B, 4C and 4D below.
Table 4A Caribou	
Source of Objective:	<i>FPPR</i> Section 7(1)(a) and Part 2, section 3 of <i>RHLPO</i> (March 25,2005)
Objective:	Contribute to the maintenance and viability of the existing Mountain Caribou subpopulations by retaining significant proportions of seasonal habitats within the caribou habitat areas as shown on Map 3.1 of the <i>RHLPO</i> in accordance with the section 3 <i>RHLPO</i> Caribou habitat requirements.
Practice Requirements: ⁴	<p>Strategy: Within the areas mapped as 'caribou habitat' as shown on the <i>FSP</i> maps, <i>Downie</i> will comply with the section 3 requirements of the <i>RHLPO</i> and maintain the required forest retention area. These caribou forest retention area (<i>CFRA</i>) requirements have been spatially mapped for the Revelsok <i>TSA</i> and have been posted on the <i>KSDP</i> website by <i>ILMB</i>.</p> <p>Result: <i>Downie</i> will not harvest in <i>CFRA</i>'s³ except under the following situations where harvesting may occur:</p> <ul style="list-style-type: none"> (a) The <i>CFRA</i>'s are rendered ineffective by wind, fire, insects, disease or another damaging agent, (b) it is necessary to fell and remove <i>danger trees</i> that are located within a <i>CFRA</i> that represents a safety hazard to adjacent <i>primary forest activities</i> as defined in Part 1 of <i>FPPR</i>, (c) it is necessary to create a corridor for full suspension yarding, (d) it is necessary for guylines, tiebacks, cable yarding tailholds and tiebacks, skyline anchors, and tail trees, (e) a <i>permanent or temporary access structure(s)</i> as defined in Part 1 of <i>FPPR</i> is required to provide access to a <i>cutblock</i>, (f) carrying out a <i>sanitation treatment</i>, (g) felling or modifying a tree for the purpose of maintaining a recreation trail referred to in Table 12. <p>If harvesting occurs because of a situation as described in (a) or (g), the corresponding harvest area does not need to be replaced with a replacement <i>CFRA</i>. For the remaining situations, replacement <i>CFRA</i> need only be identified and accounted for if the harvest area exceeds 1 ha.</p>
Applicable FDU's:	Jordan, LaForme, Bourne, Fissure/Liberty, Hoskins/Horne/Scrip, Soards/Pat, Illecillewaet
Table 4B Grizzly Bear Management	
Source of Objective:	<i>FPPR</i> Section 7(1)(b) and Part 2, section 4 of <i>RHLPO</i> (March 25,2005)
Objective:	To retain forest cover adjacent to high value habitat of avalanche chutes according to the requirements of the <i>RHLPO</i> in order to contribute to maintaining the viability of existing Grizzly Bear populations

Practice Requirements	<p>Strategy: <i>Downie</i> will comply with Part 2 section 4 of the <i>RHLPO</i> (Appendix 4).</p> <p>Result: Where harvesting is conducted under this <i>FSP</i>, suitable forest cover buffers will be retained adjacent to high value grizzly bear habitat in avalanche chutes in accordance with the Part 2 section 4 requirements of the <i>RHLPO</i> (March 25,2005) except under the following situations where harvesting may occur:</p> <ul style="list-style-type: none"> (a) the buffers are rendered ineffective by wind, fire, insects, disease or another damaging agent, (b) it is necessary to fell and remove danger trees that are located within a buffer area that represents a safety hazard to adjacent <i>primary forest activities</i> as defined in Part 1 of <i>FPPR</i>, (c) it is necessary to create a corridor for full suspension yarding, (d) it is necessary for guylines, tiebacks, cable yarding tailholds and tiebacks, skyline anchors, and tail trees (e) a <i>permanent or temporary access structure(s)</i> as defined in Part 1 of <i>FPPR</i> is required, (f) carrying out a <i>sanitation treatment</i>, (g) felling or modifying a tree for the purpose of maintaining a recreation trail referred to in Table 12.
Applicable FDU's:	All <i>FDU's</i> as listed in section 6.0
Table 4C Mule Deer Ungulate Winter Range¹⁷	
Source of Objective:	<i>FPPR</i> Section 7(1)(c) and the approved <i>UWR</i> #U-4-001 Order as authorized by Sections 9(2) and 12(1) of <i>GAR</i> .
Objective:	Refer to the applicable section(s) of the above <i>GAR</i> Order contained in Appendix 5.
Practice Requirements	<i>Downie</i> will comply with the <i>GAR</i> Order referenced above and with the associated <i>General Wildlife Measures</i> specified in Schedule 1 for each <i>UWR</i> management unit. The Akolkolex and Illecillewaet <i>FDU's</i> are shared with other <i>TSA</i> licensees and <i>Downie's</i> share of the <i>UWR</i> requirement will be as specified in the <i>TSA 27 FSP MOU</i> agreement.
Applicable FDU's:	Within the <i>UWR</i> (Mule Deer) boundaries of the Akolkolex and Illecillewaet (very small area) <i>FDU's</i> as identified on the <i>FSP</i> maps (Appendix 8).
Table 4D Wildlife Habitat Areas for the Coeur d'Alene Salamander¹⁷	
Source of Objective:	<i>FPPR</i> Section 7(1)(a), approved <i>GAR</i> Orders for <i>WHA</i> area #4-38, 39, 40 and 043.
Objective:	Refer to <i>FPPR</i> section 7(1)(a) and the applicable section(s) of the above Orders contained in Appendix 2.
Practice Requirements:	<i>Downie</i> will comply with the approved <i>GAR</i> Orders referenced above and with the associated <i>General Wildlife Measures</i> specified in Schedule 1 of the Order.
Applicable FDU's:	Approved <i>WHA</i> areas #4-38, 39, 40 and 043 located within the LaForme <i>FDU</i> as identified on the <i>FSP</i> map (Appendix 8).

³ Mapped *CFRA's* may be changed by *Downie* without amending this *FSP* providing replacement spatial *CFRA's* are identified and that the *TSA 27 FSP MOU* is adhered to.

⁴ Note that the *results* and *strategies* have been formulated with reference to Section 25.1 of the *FPPR*

¹⁷ Pursuant to section 7(3) of the *FPPR*, *Downie* is exempted from the obligation to prepare *results* and *strategies* in relation to the objective set out in section 7(1) of the *FPPR*. Tables 4C and 4D are presented for information purposes.

Table 5 OSBG for: Water, Fish, Wildlife and Biodiversity Within Riparian Areas																	
Source of Objective:	<i>FPPR</i> Section 8																
Objective:	The <i>OSBG</i> for water, fish, wildlife, and biodiversity within riparian areas is, without unduly reducing the supply of timber from British Columbia's forests, to conserve, at the landscape level, the water quality, fish habitat, wildlife habitat and biodiversity associated with those riparian areas.																
Practice Requirements:	<ul style="list-style-type: none"> • Stream⁶, wetland, and lake riparian classes: <i>Downie</i> will comply with sections 47,48 and 49⁷ of the <i>FPPR</i> • Restrictions in a riparian management area, riparian reserve zone, or riparian management zone: <i>Downie</i> will comply with sections 50, 51⁸, 52(2) of the <i>FPPR</i>. • Temperature sensitive streams: <i>Downie</i> will comply with <i>FPPR</i> section 53. • Stream crossings: <i>Downie</i> will comply with <i>FPPR</i> section 55. • Fish passage: <i>Downie</i> will comply with <i>FPPR</i> section 56. • Protection of fish habitat: <i>Downie</i> will comply with <i>FPPR</i> section 57. • Use of livestock in riparian areas: <i>Downie</i> will comply with <i>FPPR</i> section 58. • Protecting water quality: <i>Downie</i> will comply with <i>FPPR</i> section 59. • Licensed water works: <i>Downie</i> will comply with <i>FPPR</i> section 60. 																
Results and Strategies:	<p>Restrictions in a riparian management zone: If <i>Downie</i> fells trees in a <i>cutblock</i> within a <i>riparian management zone</i> of a riparian class described below, <i>Downie</i> will retain the following levels of standing <i>basal area retention</i>. Retained standing trees will be <i>reasonably</i> representative of the physical structure of the <i>riparian management zone</i>, as it was before harvesting.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><i>Riparian Class</i></th> <th style="text-align: center;"><i>Basal area</i>⁵ to be retained within <i>Riparian Management Zone</i> (%)</th> </tr> </thead> <tbody> <tr> <td>S1-A or S1-B <i>stream</i></td> <td style="text-align: center;">≥ 20</td> </tr> <tr> <td>S2 <i>stream</i></td> <td style="text-align: center;">≥ 20</td> </tr> <tr> <td>S3 <i>stream</i></td> <td style="text-align: center;">≥ 20</td> </tr> <tr> <td>S4 <i>stream</i></td> <td style="text-align: center;">≥ 10</td> </tr> <tr> <td>S5 <i>stream</i></td> <td style="text-align: center;">≥ 10</td> </tr> <tr> <td>S6 <i>stream</i></td> <td style="text-align: center;">Not applicable</td> </tr> <tr> <td>All classes of <i>wetlands</i> and <i>lakes</i></td> <td style="text-align: center;">≥ 10</td> </tr> </tbody> </table>	<i>Riparian Class</i>	<i>Basal area</i> ⁵ to be retained within <i>Riparian Management Zone</i> (%)	S1-A or S1-B <i>stream</i>	≥ 20	S2 <i>stream</i>	≥ 20	S3 <i>stream</i>	≥ 20	S4 <i>stream</i>	≥ 10	S5 <i>stream</i>	≥ 10	S6 <i>stream</i>	Not applicable	All classes of <i>wetlands</i> and <i>lakes</i>	≥ 10
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Applicable FDU's:	All <i>FDU's</i> as listed in Table 1 except the area that is located within the Greeley <i>community watersheds</i> where the default practice requirements for <i>community watersheds</i> apply.																

⁵ To be met at the *FDU* level, not necessarily along each individual *stream*, *wetland*, or *lake*.

⁶ The *CFD*'s Local Area Agreement⁷ for *fish stream* identification dated June 1,2000 can be used to classify smaller *streams* as to whether they are fish or non fish bearing.

⁸ The exception listed in 51(1)(e) *FPPR* to also include skyline anchors, tail trees and cable yarding tailhold tiebacks

Table 6 OSBG for: Fish Habitat in Fisheries Sensitive Watersheds	
Source of Objective:	<i>FPPR</i> Section 8.1
Objective:	Refer to section 8.1(1),(2),(3),(4), and (5) of <i>FPPR</i>
Results and Strategies and Practice Requirements:	<i>Government</i> has not identified <i>fisheries sensitive watersheds</i> or <i>streams</i> in <i>Downie FDU's</i> and therefore the <i>practice requirements</i> as listed in sections 55, 56 and 57 of the <i>FPPR</i> do not apply.
Applicable FDU's:	N/A

OSBG for: Water in Community Watersheds	
Source of Objective:	<i>FRPA</i> sections 180 & 181, <i>FPPR</i> section 8.2
Objective:	Refer to section 8.2 of the <i>FPPR</i> .
Results, Strategies and Practice Requirements:	The <i>results</i> and <i>strategies</i> are the default <i>practice requirements</i> outlined in sections 58, 59, 60, 61, 62, and 63 of the <i>FPPR</i> .
Applicable FDU's:	Applicable to the Greeley <i>Community Watershed</i> (as shown on the <i>FDU</i> map) located within the Illecillewaet <i>FDU</i> .

OSBG for: Wildlife and Biodiversity - Stand Level	
Source of Objective	<i>FPPR</i> section 9.1
Objective	The <i>OSBG</i> for wildlife and biodiversity at the stand level is, without unduly reducing the supply of timber from British Columbia's forests, to retain <i>wildlife trees</i> .
Practice Requirements:	<ul style="list-style-type: none"> • Maximum cutblock size: <i>Downie</i> will comply with <i>FPPR</i> section 64.
Results and Strategies:	<ul style="list-style-type: none"> • Harvesting adjacent to another cutblock: <i>Downie</i> will comply with <i>FPPR</i> section 65 except the reference to 'minimum of 3 metres' is revised to 'minimum of 2 metres' and that section 65(2) <i>FPPR</i> does not apply if: <ol style="list-style-type: none"> (a) At least 40% of the <i>basal area</i> that was on the <i>existing cutblock</i> before timber harvesting remains on the <i>existing cutblock</i> on the <i>commencement date</i> for the <i>new cutblock</i>, or (b) On the <i>commencement date</i> for the <i>new cutblock</i>, no point within the <i>NAR</i> of the <i>existing cutblock</i> is: <ol style="list-style-type: none"> i More than two tree lengths from either: <ol style="list-style-type: none"> a. The <i>cutblock</i> boundary, or b. A group of trees reserved from harvesting that is greater than or equal to 0.25 hectares in size, or ii More than one tree length from: <ol style="list-style-type: none"> a. A single tree; or b. A group of trees reserved from timber harvesting that is less than 0.25 hectares in size <p>Wildlife tree retention(<i>FPPR</i> section 66 reference):</p> <ol style="list-style-type: none"> 1. Upon <i>Downie</i> completing harvesting in <i>cutblocks</i>⁹ during the <i>term</i> of this <i>FSP</i> beginning on the <i>implementation date</i>, <i>Downie</i> will ensure that, at the end of this <i>FSP's term</i>, the total area covered by <i>wildlife tree retention areas</i> that relate to the <i>cutblocks</i>⁹ is a minimum of 7% of the total gross area of the <i>cutblocks</i>⁹. 2. For every <i>cutblock</i>⁹ that <i>Downie</i> harvests during the <i>term</i> of this <i>FSP</i> the total amount of <i>wildlife tree retention areas</i> that relates to the <i>cutblock</i>⁹ is a minimum of 3.5% of the gross <i>cutblock</i>⁹ area. <p>Restriction on harvesting: <i>Downie</i> will comply with <i>FPPR</i> section 67 except under the following situations where harvesting may occur:</p> <ol style="list-style-type: none"> (a) the <i>wildlife tree retention area</i> or <i>wildlife trees</i> as defined in the <i>FPPR</i> is rendered ineffective by wind, fire, insects, disease or another damaging agent, (b) it is necessary to fell and remove <i>danger trees</i> that are <i>wildlife trees</i> or are located within a <i>wildlife tree retention area</i> that represent a safety hazard to adjacent <i>primary forest activities</i> as defined in Part 1 of <i>FPPR</i>, (c) it is necessary to create a corridor for full suspension yarding, (d) it is necessary for guyline tiebacks, tailholds, skyline anchors, tail trees and cable yarding tailholds tiebacks, (e) a <i>permanent or temporary access structure(s)</i> as defined in Part 1 of <i>FPPR</i> is required to provide access to a <i>cutblock</i>,

	<p>(f) carrying out a <i>sanitation treatment</i>,</p> <p>(g) felling or modifying a tree for the purpose of maintaining a recreation trail referred to in Table 12,</p> <p>(h) if after 5 years from the commencement date of this FSP it is determined that the total <i>wildlife tree retention areas</i> associated with the total area of the <i>cutblocks</i> harvested during the <i>term</i> of this FSP is greater than 7% then the excess <i>wildlife tree retention area</i> located in any <i>cutblock</i> or <i>cutblocks</i> that was harvested during the <i>term</i> of this FSP may be reduced by harvesting.</p>
	<p>Coarse woody debris: <i>Downie</i> will comply with section 68 of FPPR but the retention levels as stated will be measured on the basis of an average per hectare across the <i>cutblock</i>.</p>
Applicable FDU's:	All <i>FDU's</i> as listed in section 6.0
	<p>⁹Does not include those <i>cutblocks</i> that: are < 5 hectares gross area, are salvage harvested as a result of timber damage from wind, fire, insects, disease or another damaging agent (abiotic or biotic), or are cable harvested unless any of these <i>cutblocks</i> contain <i>wildlife tree retention area(s)</i> or <i>wildlife trees</i>.</p>

<p>Table 9 OSBG for: Wildlife and Biodiversity - Landscape Level</p>	
Provincial Objective:	The OSBG for wildlife and biodiversity at the landscape level is, without unduly reducing the supply of timber from British Columbia's forests and to the extent <i>practicable</i> , to design areas on which timber harvesting is to be carried out that resemble, both spatially and temporally, the patterns of natural disturbance that occur within the landscape. Source of Objective: FPPR section 9
RHLPO Objective (Part 1, Part 2, section 2 of RHLPO):	To contribute to the conservation of biodiversity, maintain 'mature and old' (MOGMAs) and 'old' (OGMAs) seral forests to the levels indicated in the RHLPO (May 25,2005).
Results and Strategies¹⁰:	<p>Strategy: <i>Downie</i> will comply with section 1 and 2 of the RHLPO and maintain the required forest retention areas referred to as MOGMAs and OGMAs in this FSP. These MOGMAs⁷ and OGMAs⁷ have been spatially mapped for the Revelstoke TSA and have been posted by the ILMB on the KSDP website. The OGMAs⁷ are also shown on the FSP maps contained in Appendix 8.</p> <p>Result: <i>Downie</i> will not harvest in OGMAs/MOGMAs except under the following situations when harvesting may occur:</p> <ul style="list-style-type: none"> (a) The OGMAs/MOGMAs are rendered ineffective by wind, fire, insects, disease or another damaging agent, (b) it is necessary to fell and remove danger trees that are located within an OGMAs/MOGMAs that represents a safety hazard to adjacent <i>primary forest activities</i> as defined in Part 1 of FPPR, (c) it is necessary to create a corridor for full suspension yarding, (d) it is necessary for guyline tiebacks, cable yarding tailholds and tiebacks, skyline anchors, and tail trees, (e) a <i>permanent</i> or <i>temporary access structure(s)</i> as defined in Part 1 of FPPR is required to provide access to a <i>cutblock</i>, (f) carrying out a <i>sanitation treatment</i>, (g) felling or modifying a tree for the purpose of maintaining a recreation trail referred to in Table 12. (h) <i>partial cutting</i> in MOGMAs¹⁰ is acceptable providing the residual stand volume and stand attributes are greater than 70% of the pre-harvest level, the cutting prescription is relatively uniform over the prescribed area and all the original diameter classes are represented.(i.e. generally achieved by <i>single tree, retention</i> or <i>group selection</i> silvicultural systems) <p>If harvesting occurs because of a situation as described in (a) or (e), the corresponding harvest area does not need to be replaced with a replacement OGMAs/MOGMAs For the remaining situations, replacement OGMAs/MOGMAs need only be identified and accounted for if the harvest area harvested exceeds 1 ha.</p>
Applicable FDU's:	All <i>FDU's</i> as listed in section 6.0

⁷ Mapped **OGMAs** and **MOGMAs** may be changed by *Downie* without amending this **FSP** providing replacement spatial **OGMAs / MOGMAs** are identified and that the **TSA 27 FSP MOU** is adhered to.

¹⁰ Not applicable if overlapping **OGMAs** exist

Table 10 OBJECTIVES GRANDPARENTED For: Visual Quality

Source of Objective: *FPPR* section 9.2, section 180 and 181 of *FRPA*, *GAR* section 17

Objective: Known *scenic areas* and *visual quality classes* established on or before October 24,2002 under the *FPC* are continued under section 180 of *FRPA* and section 17 of *GAR*, respectively.

Results and Strategies:

1. For grand parented known *scenic areas*¹³ and *visual quality objectives*¹³ **Downie** will design *cutblocks* and *roads* so that the resulting *altered forest landscape*¹³ is consistent with Table 10.1 and section 1.1 of the *FPPR*. *Scenic areas* are shown on the *FSP* maps

Table 10.1: Allowable Extent of Alteration by Visual Quality Objectives

Visual Quality Objective ¹³	Extent of Alteration Resulting from the Size, Shape, & Location of a Cutblock(s) or Road(s) ¹²
Preservation	(i) very small in scale, and (ii) not easily distinguishable from the pre-harvest landscape
Retention	(i) difficult to see, (ii) small in scale, and (iii) natural in appearance
Partial Retention	i) easy to see, (ii) small to medium in scale, and (iii) natural and not rectilinear or geometric in shape
Modification	(i) very easy to see, and (ii) is: (a) large in scale and natural in appearance, or (b) small to medium in scale but with some angular characteristics
Maximum Modification	(i) very easy to see, and (ii) is: (a) very large in scale, (b) rectilinear and geometric in shape, or (c) both

¹² As viewed from a significant public viewpoint

¹³ As defined in section 1. (1) of the *FPPR*

2. Where the *scenic area* or portions of *scenic areas* are damaged or destroyed from fire, wind, insects, disease or any other damaging agents (natural or man made) that in the opinion of a professional forester are no longer suitable in contributing to visual values or in circumstances where no other practical option exists to provide access to the *cutblocks* or location of *roads*; the *result* and *strategy* identified in #1 above does not apply. However, elements of good visual design that mimic naturally occurring landscape characteristics and exhibit elements of appropriate visual design will be conducted to the extent *practicable*.

Applicable FDU's: Within *scenic areas*¹¹ (as shown on the *FSP* maps) in the Akolkolex, LaForme and Illecillewaet.

¹¹Based on the digital file obtained from the Kootenay Spatial Data Partnership March 2006

Table 11 OSBG for: Cultural Heritage Resources	
Source of Objective	<i>FPPR</i> Section 10
Objective:	To conserve, or, if necessary, protect cultural heritage resources (CHR) that are: <ol style="list-style-type: none"> (a) The focus of a traditional use by an aboriginal people that is of continuing importance to that people, and (b) Not regulated under the <i>Heritage Conservation Act</i>
Results and Strategies:	<p>Strategy: Continue to provide opportunity for bilateral sharing of information between <i>Downie</i> and First Nations groups and consider this information in the planning and carrying out of harvesting, road construction or mechanical site preparation.</p> <p>Results: <i>Downie</i> will:</p> <ol style="list-style-type: none"> a) Conduct referrals to those First Nation groups identified in Table 11.1, generally on an annual basis but not limited to, those areas identified for potential forest harvesting, mechanical site preparation and/or road construction located within FL A31102 requesting information and allowing opportunity for input in regards to special CHR that are the focus of a <i>traditional use</i> by an <i>aboriginal people</i> that is of continuing importance to that people; b) Keep a record of any information provided by First Nations groups on CHR that are the focus of a <i>traditional use</i> within Forest Licence A31102; c) Prior to harvesting a <i>cutblock</i>, constructing a <i>road</i>, or conducting <i>mechanical site preparation</i> a cultural heritage evaluation¹⁴ will be conducted within areas: <ol style="list-style-type: none"> a. That contain previously identified CHR; b. That are identified as having ‘high potential’ within an established archaeological/CHR predictive model or map for the area; or c. For which site-specific information regarding CHR is provided or made available to <i>Downie</i> prior to harvesting, <i>road</i> construction, or <i>mechanical site preparation</i> by an aboriginal people or <i>government</i> employee. d) If <i>Downie</i> receives site-specific information concerning a CHR that is of continuing importance to an <i>aboriginal people</i>, <i>Downie</i>, before applying for a <i>cutting permit</i> or <i>road permit</i> that affects the site, will: <ol style="list-style-type: none"> a. Record the location of the CHR; b. Evaluate the direct impact of the planned development on the CHR; c. Liaise with the affected First Nation group when developing <i>site plans</i>, d. If necessary, alter planned development in order to conserve, or if necessary protect, the CHR at that location, considering: <ol style="list-style-type: none"> I. The relative value or importance of the CHR to a <i>traditional use</i> by an <i>aboriginal people</i>, II. The relative abundance or scarcity of the CHR, III. The historical extent of the <i>traditional use</i> of the CHR, IV. The impact upon <i>Downie’s government</i> granted timber harvesting rights in conserving or protecting the CHR, and e. Communicate the results of d) a. to d. back to the individual or group that provided the information. e) Subject to paragraph g); harvesting a <i>cutblock</i>, constructing a <i>road</i>, or conducting <i>mechanical site preparation</i> will be consistent with the recommendations provided in the CHR evaluation referred to in c) and any outcomes described in paragraph d). f) Document how harvesting, <i>road</i> construction, or <i>mechanical site preparation</i> will accommodate or why efforts to accommodate the <i>traditional use</i> have not been made for identified CHR that are valuable and scarce and are the focus of a traditional use; g) If a previously unidentified CHR feature is encountered during harvesting, <i>road</i> construction, or <i>mechanical site preparation</i> activities, operations will be modified or cease to the extent <i>practicable</i> to protect the feature, until a cultural heritage evaluation¹⁴ can be conducted, or the site is otherwise protected; h) Continually monitor and periodically refine the above strategy to improve the level of protection for CHR.

Applicable FDU's: The Results and Strategies are applicable to the FDUs and the associated First Nations as shown in Table 11.1

Table 11.1¹⁶ – First Nation Claimed Traditional Territory²¹ within Downie FDU's

FIRST NATION \ FDU	Akolkolex	Jordan	LaForme	Bourne	Fissure/Liberty	Hoskins/Horne/Scip	Soards/Pat	Louis Lee	Illecillewaet
Ktunaxa Nation Council	X		X					X	X
Akisiq'nuk First Nation	X		X					X	X
Shuswap Band	X	X	X	X	X	X	X	X	X
Shuswap Nation Tribal Council	X	X	X	X	X	X	X	X	X
Adams Lake Band		X		X	X	X			
Little Shuswap Band		X		X	X				
Neskonlith Indian Band		X		X	X	X			
Simpco First Nation							X		
Spallumcheen Indian Band	X	X	X						X
Okanagan Nation Alliance	X		X					X	X
Okanagan Indian Band	X	X	X						X
Little Shuswap Band		X		X	X				
Lower Similkameen Indian Band	X	X							X

¹⁴A cultural heritage evaluation is similar to an archaeological assessment and includes an evaluation of both archaeological and cultural heritage values. Qualified persons that the respective First Nation groups endorse will conduct these evaluations.

¹⁶The table is based on the best information available, and is subject to future revisions. Future revisions to the table content will not trigger *FSP* amendments but *Downie* commits to using the most up to date First Nation referral list that is made available.

²¹The claimed traditional territory may apply to the entire *FDU* or a portion thereof

Information received and considered 'sensitive' from First Nations (FN) will remain confidential between Downie and the respective FN people.

Table 12	
OBJECTIVES GRANDPARENTED For: RECREATION FEATURES	
Legal Reference:	<i>FRPA</i> sections 180 & 181
Objective:	Objectives set by <i>government</i> for <i>recreation sites</i> and <i>recreation trails</i> established under the <i>FPC</i> are grand parented under <i>FRPA</i> section 181 and are listed in Appendix 6.
Practice Requirements:	<ul style="list-style-type: none"> • Must ensure that the activity does not damage or render ineffective a resource feature: <i>Downie</i> will comply with section 70 of the <i>FPPR</i>.
Results and Strategies:	<p>In relation to the objectives referred to in section 181 of <i>FRPA</i> for <i>recreation sites</i> and <i>recreation trails</i> as listed in Appendix 6 the <i>results</i> and <i>strategies</i> are as follows:</p> <ol style="list-style-type: none"> 1. <i>Downie</i> will not damage, disturb or alter the natural vegetation, topography, geology, and soil conditions within a <i>recreation site</i>. 2. Except at designated crossings, <i>Downie</i> will not harvest or construct roads within a buffer zone of 20¹⁵ meters on either side of the trail centerline and within 50¹⁵ meters from the outer boundary of a <i>recreation site</i> except: <ol style="list-style-type: none"> a. If the area is damaged or destroyed from fire, wind, insects, disease or from any other damaging agents (natural or man made) that in the opinion of a professional forester threatens forest health and/or is required to salvage timber. b. If safety issues are involved i.e. danger trees etc. c. If it is authorized or required in a <i>road</i> or <i>cutting permit</i> held by <i>Downie</i> 3. The number of road crossings of trails should be minimized. 4. At minimum, and to the extent <i>practicable</i>, all non commercial live timber including immature trees must be left standing within the buffer zone described in item #2 subject to 2 a., b. and c. 5. Subject to <i>WorkSafe BC</i> regulations all trees must be felled/skidded away from the trail where possible. 6. Any damage to <i>recreation sites</i> or <i>trails</i> due to <i>Downie's primary forest activities</i> will be repaired and/or mitigated by <i>Downie</i>. 7. Providing <i>Downie</i> has an active <i>road permit</i> for the only access route to a <i>recreation site</i> or <i>trail Downie</i> will not restrict summer access as a result of deactivation activities, except if: <ol style="list-style-type: none"> a. temporary closures to repair or replace roads, major culverts and/or bridges are necessary. b. The geotechnical assessment contains specific recommendations to the contrary c. It is a condition of the <i>road permit</i> 8. The <i>site plan(s)</i> will identify how the above applicable <i>results</i> and <i>strategies</i> will apply to the respective <i>road(s)</i> and/or <i>cutblock(s)</i> as required in Division 2, section 10 of <i>FRPA</i>. <p>With reference to Appendix 6 the approximate location of the <i>recreation sites</i> and <i>trails</i> are shown on the <i>CFD</i> recreation leaflet dated February 1998. The above <i>results</i> and <i>strategies</i> apply to the actual geographic field location of these <i>recreation sites</i> and <i>trails</i>. Digital map information was available for the St. Cyr Creek <i>recreation site</i> in addition to the Martha creek and Boulder <i>recreation trails</i> which are shown on the <i>FSP</i> maps.</p>
Applicable FDU's:	LaForme, Jordan, Fissure/Liberty, Akolkolex

¹⁵Approximate perpendicular horizontal distance

Table 13	
OBJECTIVES GRANDPARENTED For: Lakeshore Management Zones	
Legal Reference:	<i>FRPA</i> sections 180 & 181, <i>GAR</i> section 6.2
Objective:	Objectives set by <i>government</i> for <i>lakeshore management zones</i> under the <i>FPC</i> are grand parented under <i>FRPA</i> section 181.
Results and Strategies:	No <i>lakeshore management zones</i> have been grand parented within <i>Downie FDU's</i> .
Applicable FDU's	LaForme, Bourne, Fissure/Liberty, Hoskins/Horne/Scrip, Soards/Pat

8.0 MEASURES FOR INVASIVE PLANTS AND RANGE BARRIERS

The measures specified in paragraphs 8.1.3 and 8.2.1 apply to all Forest Development Units in this *FSP*.

8.1 Invasive Plants

8.1.1 In this section the following definition applies:

“Invasive plants”: means those species listed in *FRPA’s Invasive Plants Regulation*

“forest practice activities” means forest harvesting, road construction, road deactivation, or mechanical site preparation

8.1.2 Identifying Known Sites and Sites at Risk

Each year for the term of this *FSP*, using information:

- a. received from *qualified registered professionals* from the *MOFR* District/ Regional staff, or other agencies of field confirmed *invasive plant* sites or areas considered to be of high risk to *invasive plant* establishment or,
- b. obtained from querying the ‘Invasive Alien Plant Program Application’-IAPP) searchable database at http://www.for.gov.bc.ca/hfp/invasive/IAP_01.htm for known *invasive plant* sites,

Downie will identify the sites referred to in a. and b. above (hereafter referred to as ‘identified sites’) located within *Downie FDU’s*. A record of ‘identified sites’ will be initiated in year 2006 and updated on an annual basis.

8.1.3 Measures

8.1.3.1 For the purposes of section 47 of *FRPA* and section 17 of the *FPPR*, if the soil is disturbed (> 0.1 ha contiguous area) within or within 100 metres of an ‘identified site’ associated with *Downie “forest practice activities”* that are likely to result in the introduction or spread of *invasive plants*, *Downie* will conduct the following preventative measures to the extent *practicable*:

- a. Minimize areas of soil disturbance during *forest practice activities*,
- b. Seed areas of non reforested exposed soil within 1 month of disturbance and at the latest 1 year after the completion of **“forest practice activities”** with a grass or legume mixture that meets or exceeds Canada Common #1 specifications as defined by the *Canada Seeds Act* or that is *invasive plant* free.
- c. Prior to the commencement of **“forest practice activities”**, instruct the contractor in writing of site specific *invasive plant* preventative measures,
- d. Ensure that items a. to c. are enforced by conducting inspections to the standards and frequency required by *Downie’s* ISO EMS forest certification system or other inspection system and that inspection records will be retained.

8.1.3.2 No other measures will be implemented to prevent the introduction or spread of *invasive plants*.

8.1.3.3 A query of the IAPP database of *Downie FDU’s* on March 15, 2006 has identified the following *invasive plants*:

- Within *Downie FDU’s*-Spotted knapweed (adjacent to Hwy 23N within the LaForme FDU),
- Within the City of Revelstoke- diffuse knapweed, Japanese knotweed, spotted knapweed,
- Within LUs adjacent to *Downie FDU’s*- spotted knapweed, diffuse knapweed, bull thistle, and hawkweed species.

8.2 Range Barriers

- 8.2.1 There are no known *natural range barriers* within the *FDU's* under this *FSP* and therefore no measures are required.

9.0 STOCKING REQUIREMENTS

9.1 General Requirements

- 9.1.1 For the purposes of *FPPR* section 16(1), section 44(1) of the *FPPR* will apply to each area to which this *FSP* applies (refer to section 3.0 of this *FSP*) where *Downie* is required to establish a *free growing* stand under section 29(1) of *FRPA*.
- 9.1.2 Further to paragraph 9.1.1 and for the purposes of *FPPR* section 16(3), *Downie* will establish a *free growing* stand in accordance with the *stocking standards* contained in Appendix 1 subject to section 9.2 below. The items listed below provides clarification of the Appendix 1 *stocking standards* on the following:
- (a) In regards to the *CFD* Stocking Standards version 2.0 contained in Appendix 1 and the “ESSF/ICH transition sites” section on page 2, the *free growing* height for the *acceptable species* shall be those associated with the ESSF standards.
 - (b) The *regeneration date* for natural regeneration is 7 years.
- 9.1.3 For timber harvesting referred to in section 16(4) and 44(4) of the *FPPR* the standards for ‘*intermediate cutting*, no regeneration objectives’ as contained in Appendix 1 will apply.

9.2 Special Circumstances

- 9.2.1 Further to the reference to this section in section 9.1.2 the following may apply to any of *Downie FDU's* under the following situations or circumstances:
- (a) The *regeneration delay* of 4 years as stated in the Appendix 1 *stocking standards* may be extended to 7 years where natural ingress is used to achieve regeneration standards for minimum *preferred/acceptable* and minimum *preferred*.
 - (b) Despite section 9.1 an area meets the requirements for the *regeneration date* and stocking standards and for the *free growing height*, date and stocking standards if, on average for the *standards unit*, at least ninety percent of the *NAR* meets the requirements.
 - (c) Interior spruce (Sx) can be substituted for Engelmann spruce (Se) in accordance with the Provincial seed transfer guidelines or the ‘Chief Forester’s Standards for Seed Use’.
 - (d) Within *Downie FDU's*, areas of early and late winter caribou habitat areas identified in the 2001 *APPS et al.* model having a value > 0.6 and/or within *high valued heli-ski areas* the minimum stocking standard of the preferred and acceptable is 500 well spaced stems per hectare. Any potential negative impacts to timber supply will be limited to < 1% of the Revelstoke *TSA THLB*.
- 9.2.2 Where other circumstances arise that the Appendix 1 *stocking standards* are not compatible, a new standard will be amended into this *FSP* on an ‘as needed’ basis and will not be subject to a public review and comment.

10.0 REVIEW AND REFERRAL

- 10.1 This *FSP* has been made available to the general public and interested parties for review and comment. They have been made aware of this opportunity through advertisement in the local newspaper (Revelstoke Times), through referral letters sent to possible interested parties, and the posting of the draft *FSP* documents on *Downie's* website (www.downietimber.com).
- 10.2 In accordance with the *FRPA* legislation the public review and comment period is for 60 days commencing on May 24, 2006.

11.0 ADDITIONAL FSP INFORMATION

11.1 Protection of Cutblocks and Roads from a FDP into a FSP

- 11.1.1 *FRPA* section 196(1) and (2) continue the concept of 'gating' of *cutblocks* and *roads* as previously permitted under the *FPC*. Section 196(1) *cutblocks* and *roads* are those that were approved under the *FDP* and have all of the required assessments completed. They retain the approvals granted in the previous *FDP* and are not subject to further review and comment in this *FSP*. Section 196(2) *cutblocks* and *roads* are those that were approved under the *FDP* but do not have all the assessments completed. They have limited protection under this *FSP* and are not subject to review and comment. Section 196(1) and (2) *cutblocks* and *roads* that have been carried forward from the *FDP* into this *FSP* are shown on the *FSP* maps. A listing of Section 196(1) (2) *cutblocks* are contained in Appendix 3.
- 11.1.2 *Cutblocks* or *roads* under an approved *cutting* or *road permit* (shown on the *FSP* maps) that were in effect on or before the *implementation date* remain in effect under this *FSP* but are subject to the *FPC* and associated regulations. A listing of *cutblocks* under approved *Downie cutting permits* are contained in Appendix 3.

11.2 Declared Areas

- 11.2.1 *FRPA* Section 196(1)(2) *roads* and *cutblocks* identified in section 11.1 may be declared following approval of this *FSP* providing the conditions of section 14(4) of the *FPPR* are met. Other areas that meet the *declared area* definition will be amended into this *FSP* from time to time and do not require *DDM* approval. All the necessary stand level activities and evaluations will be completed before *Downie* declares an area. Final *cutblock* or *road* layout is NOT required at the time of declaration. *Declared areas* come into effect on the date a copy of the *FSP* amendment is provided to the *DDM*.

11.3 Cumulative Effect of Multiple Licensees

- 11.3.1 The boundaries of the *FDU's* identified in this *FSP* correspond to the *LU's* established under the *RHLPO* and the *CFD* licensee operating areas in effect at the submission date of this *FSP*. There are no other *FSP's* approved within the Revelstoke *TSA* at the *submission date* of this *FSP*.

11.4 Site Plans

- 11.4.1 In accordance with section 10 of *FRPA site plans* under this *FSP* must be prepared for *cutblocks* and *roads* located within *Downie FDU's* except for those prescribed circumstances stated in section 33(1) and (2) of the *FPPR*.

11.5 Forest Investment Account

11.5.1 Subject to section 96(1) of the *FPPR* the provisions of this *FSP* are not applicable to *Downie* when carrying out a *forest practice* administered under the *Forest Investment Account* that is referred to in section 2(1) of the *FPPR*.

11.6 Authority from Government

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

11.7 Amendments

11.7.1 Amendments to this *FSP* will be tracked in the amendment log contained in Appendix 7. Amendment tracking will only be conducted in *Downie's FSP* document.

12.0 MAPS

12.1 1:50,000 scale *FSP* maps are included in Appendix 8. There are a total of nine maps each corresponding to a *FDU*.

13.0 SIGNATURES

Authorized Licensee Signature:


Name:

Barrie Wagner
Woodlands Manager
Downie Street Sawmills Ltd.

Date:

Prepared by:

Name:

Dieter Offermann,  Seal
Signing Forester

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

Date:
