



**Sechelt Community Projects Inc.**

#201 – 5606 Wharf Avenue  
P.O. Box 215, Sechelt, BC V0N 3A0

**REFORESTATION PRESCRIPTION**  
**Block WS064**

ECOLOGICAL CLASSIFICATION AND AREA SUMMARY (FPPR Section 34(1)(a))														
Area Classification								Area Summary (ha)						
SU	Standard s ID	BGZ	E.A.	Moist	Nutr	Silv. System	Harv. System	Area	WTP	PAS	NP UNNAT	Ret. Patch	NAR	
1	1020020	CWHdm	01(05)	4	C(D)	Ret	Ground	15.5		(1.1)		(0.0)	14.4	
WTP									3.6					
RET													0.0	
PAS													1.1	
<b>Area Totals</b>								15.5	3.6	1.1			0.0	14.4

SITE PREPERATION TREATMENTS						
SU	Preferred Treatment			Alternate Treatment		
SU	TECHNIQUE	METHOD	PLANNED OFFSET	TECHNIQUE	METHOD	PLANNED OFFSET
1	-	-	-	-	-	-
PREFERRED SITE PREP TREATMENT COMMENTS: No site preparation required.				ALTERNATE SITE PREP TREATMENT COMMENTS: -		

STOCKING STANDARDS (FRPA 29(1) and FPPR 34(1)(b))						
FREE GROWING STOCKING REQUIREMENTS						
SU	NET AREA TO BE REFORESTED (ha)	REGEN DELAY (yrs)	LATE FREE GROWING (yrs)	MAX CONIFEROUS (st/ha)	POST SPACING DENSITY (st/ha)	
					MIN	MAX
1	14.4	--	20	--	--	--
PREFERRED/ACCEPTABLE SPECIES						
SU	PREFERRED SPECIES/MINIMUM HEIGHT (m)			ACCEPTABLE SPECIES/MINIMUM HEIGHT (m)		
1	Fd – 3.0 m Hw – 3.0 m			Pw – 2.5 m Cw – 1.5 m		
WELL SPACED TREES/ha						
SU	LAYER	TARGET	WELL SPACED TREES/ha			HEIGHT RELATIVE TO COMP (% OR cm)
			MINIMUM	MIN PREF	MIN HORIZ DISTANCE (m)	
1	All	900	500	400	2.0	150
RATIONALE FOR CHOICE OF STOCKING STANDARDS (Based on resource objectives and site assessment.): As per the FSP Approved Stocking Standards. SU 1 – Transitional to 05 (40%) where swordfern occurs. Minor seepage pockets of 07 (10%) sites near FC 1 and the NCD. Special care is required to excessive rutting and compaction does not occur.						

REGENERATION METHOD(S)						
SU	Preferred Method			Alternate Method		
SU	TECHNIQUE	METHOD	PLANNED OFFSET	TECHNIQUE	METHOD	PLANNED OFFSET
1	Plant	Container	1-2	Fill plant	Container	4-5 YRS
COMMENTS: SU 1, 2: Plant Fd/Cw mix with PSB412 or similar stock type at 50% mix with 100% Cw within identified 07 sites (10% area)				COMMENTS: Fill plant as stocking surveys indicate.		

SEEDLING REQUIREMENTS									
SU	SPECIES	STOCK			AMOUNT (K)	SEEDLOT NUMBER	SOW (HVST +/-)	PLANT (HVST +)	PLANT SEASON
		AGE	TYPE	CTNR					
1	Fd, Cw	1+0	PSB	412	14400	-	-1	+1	Spring/fall
COMMENTS: Elevation of NAR: 200 - 280 m Due to the brush hazard rating for SU3, larger stock is recommended.									

BRUSHING						
PREFERRED METHOD				ALTERNATE METHOD		
SU	TECHNIQUE	METHOD	PLANNED OFFSET	TECHNIQUE	METHOD	PLANNED OFFSET
1	Manual	Power Saw	3-5 YRS	--	--	--
COMMENTS: <b>SU 1 (CWHdm 01,05(07): H-VH/3 (Site Index 34)</b> High Competing Vegetation Severity Rating. Competing vegetation includes Big Leaf Maple, Vine Maple, thimbleberry, salmonberry, swordfern, red alder and elderberry.				COMMENTS: <b>Same as preferred option.</b>		

FOREST HEALTH						
Preferred Method				Alternate Method		
SU	TECHNIQUE	METHOD	PLANNED OFFSET	TECHNIQUE	METHOD	PLANNED OFFSET
COMMENTS: <b>Minor areas of laminated root rot scattered within block.</b> <b>Consider planting Cw within 5m of any identified infected stumps.</b>				COMMENTS: <b>Same as preferred option.</b>		
-	-	-	-	-	-	-

**PRE-HARVEST STAND DESCRIPTION AND GENERAL BLOCK COMMENTS**

**Pre-Harvest Stand Composition:** Cw4 Fd48 Hw42 Dr6

The pre-harvest volume is 563 m3/ha. There is typically little understory vegetation in pre-harvest stand. Block is a closed canopy stand with scattered swordfern

**Planting:**

Brush is expected to be a problem within the 07 sites, so planting should commence as soon after harvesting as possible to enable the seedlings to establish quickly.

**Brush:**

Based on observations and experience in adjacent blocks, brush is expected to be a problem on 50% of the area. Brushing will be carried out as required to ensure tree survival and vigor.

**Soils:**

Soils are generally deep.

**SIGNING AUTHORITY**



Warren Hansen, RPF

RPF/RFT Signature 3982

Sechelt Community Projects Inc.

3982

RPF #

May 10/2009

DATE



## SITE PLAN BACKGROUNDER & SUPPORTING INFORMATION

### Block WS064

<b>SITE PLAN PURPOSE</b>
<p>The Site Plan identifies the location of roads and/or block boundaries for cutblocks. It is consistent with the Forest Stewardship Plan (FSP) for Sechelt Community Projects Inc. and identifies how the intended <i>Results and/or Strategies</i> outlined in the FSP apply to the site. This document serves to support the Site Plan and provides rationales for identified values. As well, this document may address sections of the SCPI's Operational Plan where policies within the plan require clarification or a rationale.</p>
<b>SUPPORTING INFORMATION</b>
<p>1. <b>TERRAIN/SOILS (FPPR Sections 34(1), 35 &amp; 36)</b></p> <ul style="list-style-type: none"> <li>Terrain Field Assessment is required if in-block slopes are greater than 60% or if unstable terrain is observed in the block.</li> </ul>
<p>No Terrain Stability Field Assessment is required as in-block slopes are less than 60% and no area of unstable ground was observed.</p>
<p>2. <b>WILDLIFE (FPPR Section 7(2))</b></p> <ul style="list-style-type: none"> <li>Wildlife Assessments are required when impact from proposed operations is anticipated with identified FSP wildlife value. A search of the Conservation Database Centre is required. As well, note any other wildlife concerns and prescribe management actions.</li> </ul>
<p>TAILED FROG (<i>Ascaphus truei</i>)</p> <p><b>Not applicable.</b> An area of Tailed Frog habitat has been identified within the Chapman Landscape Unit which fulfills the requirements of the notice for Tailed Frog. This area is outside of the CFA FDU. This block is not in vicinity to any of these areas or has creeks that exhibit favourable stream conditions for habitation (S5 stream class and permanent flow characteristics).</p>
<p>QUEEN CHARLOTTE (NORTHERN) GOSHAWK (<i>Accipiter gentilis laingi</i>)</p> <p><b>Not applicable.</b> Sufficient suitable Queen Charlotte (Northern) Goshawk habitat has been identified within the SCFD to fulfill the requirements of the notice for Queen Charlotte (Northern) Goshawk. This area is outside of the CFA FDU. This block is not in vicinity to any known Goshawk habitat or nest sites.</p>
<p>MARbled MURRELET (<i>Brachyramphus marmoratus</i>)</p> <p><b>Not applicable.</b> (1) To meet the requirements of Section 1 of the notice, SCPI will identify and conserve an amount of MAMU habitat of class 1, 2 or 3 equal to the amount of class 1,2, or 3 habitat in the NC landbase. (2) SCPI will not carry out or authorize timber harvesting or road construction in a manner that is inconsistent with retaining the amount of habitat specified in the MAMU notice. (3) Sufficient suitable Marbled Murrelet (MAMU) nesting habitat has been identified within the SCFD to fulfill the requirements of section 1 of the notice for MAMU. This area is outside of the CFA FDU. This block is not in vicinity to any of these Marbled Murrelet Habitat Areas.</p>
<b>COMMENTS</b>
<p>A search through the Conservation Data Center identifies <i>Cuscuta campestris</i> (field dodder) as being present in the vicinity of Sechelt, covering most areas between Seargeant Bay to Tuwanek to east of Wilson Creek. This is a provincially Blue listed species, identifying it as being of "special concern because of characteristics that make them particularly sensitive to human activities or natural events". It is parasitic, depending on <i>Beta vulgaris</i> (a member of the beet/chard family) as its host. Neither species were noted during field work for this Site Plan..</p> <p>In BC, the provincial Identified Wildlife Management Strategy (IWMS) manages endangered or threatened plants and plant communities that are negatively affected by forest or range management on Crown land. Field dodder is not listed under the IWMS, indicating that is not negatively affected by forest management activities.</p> <p>Field dodder is also not listed by COSEWIC (Committee on the Status of Endangered Wildlife in Canada) or SARA (Species at Risk Act)</p> <p>A masked sensitive area (ID#8088) through the Conservation Data Center was identified near WS065 which protects a known feature and it's specific location is remains confidential. A representative of MOE was contacted to assess any impacts and confirmation from MOE was received that harvesting will not conflict with this protected feature.</p> <p>Evidence of Deer and Elk were observed in area. As harvesting will increase foliar browse potential, monitor browse seedling damage post harvest.</p>

**3. WATER AND FISH (FPPR Sections 12(3), 12.1(2), 47-51, 52(2) & 53)**

- **Fish Presence/Absence surveys are to be conducted by a Qualified Professional as part of the Riparian Assessment. Procedures will follow the Fish Stream Identification Guidebook as required for identifying fish stream reaches. At minimum, if the stream gradient is less than 20%, then the stream is assumed to be fish unless a) the stream is simultaneously dry (i.e. ephemeral) , b) is not connected by known fish lakes or fish streams upstream AND c) cannot have recruitment from downstream resources.**

Two streams are adjacent to the block, therefore actions are prescribed in the Site Plan. These streams are fish based on stream gradients less than 20% and no barriers from downstream recruitment. The factors as specified in Schedule 2 of the FPPR are considered.

Streams are outside the harvest area. Fall away/Yard away. No stumps or debris is to be piled within the RMA of the stream.

**4. WATERSHEDS**

- **Applicable only within Community Watersheds or within 100m of a known licensed waterworks intake.**

This block is not within a community watershed.

**5. RECREATION**

- **Note recreation inventory management for designated polygon**

Section 1.5.5 of the FSP "Recreation Site Objectives" relates to the Sechelt Coast Heritage Interpretive Forest Site. Block WS064 is not in the vicinity of this recreation site.

Due to the block's proximity to Sechelt and residential areas, the area and road network in the vicinity of the block gets used for walking, biking, equestrian use, and motorized recreational use. Spur 200 road used for harvesting were old roads converted to mountain bike trails (specifically called the Duriod Trail). The road will be used for logging activities, including machine transport, road maintenance, and hauling. During operations this road will be closed to the public and sign safety closure closures when falling adjacent to these roads. There are other trails in the block to the north that will be impacted by harvesting activities. Specific measures are to fall away/yard away where possible and any crossing of the trail will require re-establishment of the trail after harvesting. Cleanup of branches on the trail will done after harvesting is complete.

Deactivation of the road will be consistent in maintaining safe access for recreation and to maintain high environmental standards of the road infrastructure.

**6. VISUAL RESOURCE MANAGEMENT**

- **Visual Impact Assessments are required if block is within a Known Scenic Area.**

As stated in the Site Plan, the block overlaps two visual polygons with an established Visual Quality Objective of Partial Retention and Partial Retention. To determine whether the opening will be visible from public viewing locations, such as Trout Lake, a Visual Quality Assessment was completed. Analysis showed that the block will not be visible from Trout Lake (a popular recreational lake). From locations established from the ocean, it was found that the block will be slightly visible, but due to it being far in the background, will not be visually evident. The block therefore meets the Visual Quality Objective (VQO).

## 7. CULTURAL HERITAGE

Site Plan addresses possible impacts to Aboriginal Resources that is identified during the Forest Stewardship Plan review, or as directed by the District Manager or through other information sharing sessions provided by the affected First Nation. Pre-1846 resources are protected by the BC Heritage Act and Post 1846 resources are protected in agreement with the Licencee, affected First Nations group and the Ministry of Forests.

The Forest Practices and Planning Regulation defines cultural heritage resources as those resources that are the focus of a traditional use, by an aboriginal people, and that are of continuing importance to that people. Cultural heritage resources do not include archaeological sites, which are managed under the *Heritage Conservation Act*. This Act provides for the protection and conservation of British Columbia's archaeological resources.

Examples of cultural heritage resource may include such things as non-timber forest products, such as medicinal plants, and post-1846 culturally modified trees (culturally modified trees older than 1846 will be considered under the *Heritage Conservation Act*).

Cultural heritage resources may also include "traditional use sites". These are defined as any geographically defined site that has been traditionally used by one or more group of people for some type of activity. These sites will often lack the physical evidence of human-made artifacts or structures, but will retain cultural significance to a living group of people. Examples include such things as ritual bathing pools and resource gathering sites.

Cultural heritage resources will be specific to each First Nation and, therefore, may differ between First Nations.

Government's objective for cultural heritage resources is to conserve or, if necessary, protect cultural heritage resources that are:

- the focus of a traditional use by an aboriginal people,
- of continuing importance to that people, and
- not regulated under the *Heritage Conservation Act*.

The following factors should be taken into consideration when proposing results and strategies to conserve and/or protect cultural heritage resources:

- value or importance to traditional use to an aboriginal person,
- relative abundance or scarcity of the resource,
- historical extent of the resource,
- impact on timber harvesting rights, and
- options available for mitigating impact of forest practice on the resource

A Traditional Use Report was conducted on Blocks WS064 and WS065. Details of this report are held in confidence by agreement with the Sechelt Indian Band. Conclusions of the report are as follows and actions within the report are integrated within Site Plan and Reforestation Plan.

#### 8. RANGE

- **Required where cattle grazing is being managed for.**

There is no range use in the vicinity of this block.

#### 9. RETENTION TARGETS

- **Forest Influence Calculation (Silv System, patch arrangement, Targets), leave tree specifications**

Block WS064 will be harvested as an even-aged Retention Silviculture System. An effort was made to retain most of the RMA of Stream D (S3 reach) and to retain at least 40 dispersed trees are marked to leave for retention in the long term. The intent of this system is to maintain structural characteristics at the stand level for at least one rotation. The block has at least 60% forest influence where more than 50% of total area of the cutblock within one tree height from the base of a tree or group of trees, whether or not the tree or group of trees is inside the cutblock. See Leave Tree Specifications below for more information.

#### 10. OTHER RESOURCES

- **Mineral Tenures**
- **Guider/Outfitter**
- **Minimum Harvest Ages**
- **Higher Level Plans**

Mineral Tenure – Block does not overlap any registered mineral tenure.

Minimum Harvestable Ages – these are referred to in the Sunshine Coast TSA Analysis Report dated June 2001. The report states the “minimum harvestable ages are meant to approximate the timing of merchantability and are not legal or policy requirements”. Average stand age is estimated to be 70 years, with some vets age 110 years. The minimum harvestable age assumption used in the timber supply review for Fir/M (medium) sites is 60 years. Block meets TSR assumptions.

Higher Level Plans – As identified in the FSP. The block resides in the Sechelt Landscape Plan. Block is consistent with the objectives of the plan.

#### 11. FOREST HEALTH MANAGEMENT STRATEGIES

No forest health issues were noted during field work for this site plan.

## 11. OPERATIONAL PLAN STRATEGIES

The purpose of the Community Forest Operational Plan (CFOP) is to guide the operations of the community forest in accordance with the values of the community and, at the same time, to provide the public with a comprehensive means of reviewing the planned operations of the CF. It consists of these written guidelines and maps, providing information regarding:

- Resources and resource values that are being managed, and their locations,
- The locations of planned operations,
- Types of harvesting, silviculture and other activities that will be carried out within the community forest tenure area,
- What products the CF will produce and provide, and
- Guidelines regarding development, harvesting and management of timber and non-timber resources.

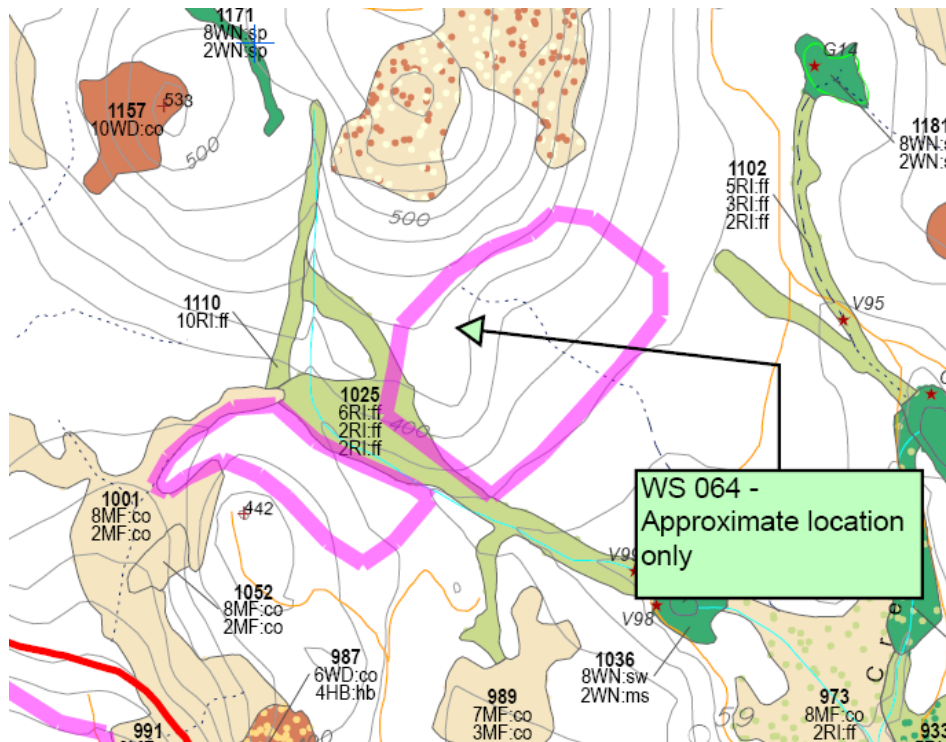
Although the operational plan is not a requirement of provincial legislation, the level of public involvement expected by the Sunshine Coast Community in the forest management of the CF necessitates producing this type of plan. The CF Management Plan, part of the original community forest application, specifically stated that an operational plan will be developed in order to address public involvement and incorporate public input. The CFOP has been presented to the public and comments integrated into the document. The CFOP has been approved by the SCPI Board of Directors.

### Specific to Block WS064:

**Water:** The block is out of the designated community watersheds as per the CFOP.

**Streams and Riparian:** Two streams adjacent to the harvest area of the block are considered fish. Refer to stream section of the SP for specific management strategies.

**Biodiversity:** A WTP is shared with the RMA of Stream D adjacent to the block. The SEI map for the area was reviewed and Block WS064 slightly infringes into Polygon 1025. This polygon is delineated as a Riparian feature class and a fringe subclass. The block boundary is located to protect the Riparian Reserve Zone and most of the Riparian Management Zone of Stream D. Ecosystem communities associated to the riparian feature will be maintained (not in the harvest area of the block).



A search through the Conservation Data Center identifies *Cuscuta campestris* (field dodder) as being present in the vicinity of Sechelt, covering most areas between Sargeant Bay to Tuwanek to east of Wilson Creek. This is a provincially Blue listed species, identifying it as being of "special concern because of characteristics that make them particularly sensitive to human activities or natural events". It is parasitic, depending on *Beta vulgaris* (a member of the beet/chard family) as its host. Neither species were noted during field work for this Site Plan.. In BC, the provincial Identified Wildlife Management Strategy (IWMS) manages endangered or threatened plants and plant communities that are negatively affected by forest or range management on Crown land. Field dodder is not listed under the IWMS, indicating that is not negatively affected by forest management activities.

Field dodder is also not listed by COSEWIC (Committee on the Status of Endangered Wildlife in Canada) or SARA (Species at Risk Act)

A masked sensitive area (ID#8088) through the Conservation Data Center was identified near WS065 which protects a known feature and its specific location remains confidential. A representative of MOE was contacted to assess any impacts of cutblock plans nearby and confirmation from MOE was received that harvesting will not conflict with this protected feature.

#### Recreation:

Block WS064 will be reactivating a road (Spur 200 on the block maps) that was previously used by mountain bikers and other recreationalists. This road is required to access multiple blocks. Road will be closed to the public with the proper safety mechanisms in place to ensure minimal conflict. The road will be seasonally deactivated after use.

There are other trails in the block to the north that will be impacted by harvesting activities. Specific measures are to fall away/yard away where possible and any crossing of the trail will require re-establishment of the trail after harvesting. Cleanup of branches on the trail will be done after harvesting is complete.

**Non-timbered Products:** No commercial harvesting within the block has been identified within the CFOP as well, no recreational mushroom was identified for this block.

**Aesthetics:** The block lies within a visual polygon as seen from Georgia Strait. Computer renders have been completed to ensure that the MOF regulations have been met. The block is not visible from Trout Lake and is slightly visible from the ocean and therefore meets the requirements of the Partial Retention category. The Sechelt First Nations have asked to maintain a visual buffer of regeneration, or small merchantable trees along main roads to deter hunting from the road. The block is not located along the main road and therefore visual sightlines into the block will be screened.



## ATTACHMENT CONTENT

ITEMS	REQUIRED		COMPLETED		ATTACHMENT		COMMENTS
	yes	no	yes	no	yes	no	
Attachment #1 (“ <i>Site Plan Supporting Information</i> ”)	Y						
Attachment #2 (“ <i>Reforestation Prescription</i> ”)	Y						
Field Data Cards		N					
Tree Acceptability Criteria for Subsequent Surveys		N					
Terrain Stability Field Assessment		N					
Archaeological Impact Assessment	Y						
Visual Impact Assessment	Y						
Gully Assessment		N					
Riparian Assessment		N					
Forest Health/Pest Incidence Assessment		N					
Stand and Stock Tables (Summary)		N					
Permanent Access Calculation Sheet	Y						
Windthrow Assessment	Y						
Closed Traverses	Y						
Site Deg Rationale (when over 7%)		N					
<i>Updated Feb 8, 2007</i>	RPF INITIALS: WH				DATE: May 10, 2009		

Original  
 Amendment # \_\_\_

**1. TENURE IDENTIFICATION**

LICENCE #	CUTTING PERMIT	BLOCK		OPENING NUMBER	LOCATION
<b>K3F</b>	<b>CP 4</b>	<b>WS064</b>			<b>Trout Lake</b>

**FSP RESULTS OR STRATEGIES**

RESULT OR STRATEGY	FSP RESULTS / STRATEGIES FSP REFERENCE NUMBER EXAMPLE: CHS-1001	APPLICABLE STATEMENT	HOW THE STRATEGY OR RESULT APPLIES TO THE SITE
<b>1.5.2.1 Soils</b>	<p>SCPI will comply with sections 35 and 36 of the FPPR. As per FPPR s. 12.1(1), cutting permits and road permits issued to SCPI will be subject to FPPR s. 35 and s. 36</p> <p><sup>a</sup> Soil disturbance limits  <sup>b</sup> Permanent access structure limits</p>	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable	The block is consistent with this strategy.
<b>1.5.2.2 Wildlife</b>	<p>Species at risk, in respect of Marbled Murrelet (<i>Brachyramphus marmoratus</i>)</p> <p>1) To meet the requirements of Section 1 of the notice, SCPI will identify and conserve MAMU habitat of classes 1, 2 and 3.</p> <p>(2) SCPI will not carry out or authorize timber harvesting or road construction in a manner that is inconsistent with retaining MAMU habitat of classes 1, 2 and 3.</p> <p>(3) Sufficient suitable Marbled Murrelet (MAMU) nesting habitat has been identified within the SCFD to fulfill the requirements of section 1 of the notice for MAMU. This area is outside of the CFA FDU.</p>	<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable	Draft Marbled Murrelet Habitat Areas occur in the Chapman FDU. The block is outside these areas.
	<p>Species at risk, in respect of Queen Charlotte (Northern) Goshawk <i>Accipiter gentilis laingi</i></p> <p>Sufficient suitable Queen Charlotte (Northern) Goshawk habitat has been identified within the SCFD to fulfill the requirements of the notice for Queen Charlotte (Northern) Goshawk. This area is outside of the CFA FDU.</p> <p>If a Queen Charlotte (Northern) Goshawk nesting sites is found within the CFA FDU procedures within the Identified Wildlife Management Strategy will be followed to ensure appropriate conservation measures are undertaken.</p>	<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable	Goshawk Areas do not occur in the CFU FDU. The block listed in this document does not contain evidence of Goshawk activity.
	<p>Species at risk, in respect of Coastal Tailed Frog (<i>Ascaphus truei</i>)</p> <p>An area of Tailed Frog habitat has been identified within the Chapman Landscape Unit which fulfills the requirements of the notice for Tailed Frog. This area is outside of the CFA FDU.</p> <p>Streams within the CFA FDU will be surveyed to determine the presence of tailed frog. If found, its presence will be considered in developing an appropriate RMA for the stream.</p>	<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable	Proposed Coastal Tailed Habitat Areas occurs outside the CFA FDU. No Stream in block
	<p>Other Species of FPPR s.7 a, b, or c found within the FDU Other species requiring specific habitat conservation may be discovered within the FDU and will be managed according to the Identified Wildlife Management Strategy.</p>	<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable	

<p><b>1.5.2.3 Water</b></p>	<p>1. For all forestry activities and road construction the widths of and tree retention within riparian management areas, riparian reserve zones and riparian management zones will be:</p> <p>A. As specified in FPPR Sections 47, 48 and 49 or</p> <p>B. Appropriate for the site as determined by a qualified professional at a site-specific level which will be documented in the Site Plan with the factors that have influenced the determination of the appropriate widths of RMAs. The professional, in this determination will consider the following:</p> <ul style="list-style-type: none"> <li>(i) the need to buffer the aquatic ecosystem of the stream, wetland or lake from the potential introduction of materials that are deleterious to water quality or fish habitat,</li> <li>(ii) The need to conserve the riparian habitat for biodiversity and wildlife habitat management purposes,</li> <li>(iii) The need to protect the integrity of the reserve zone by buffering with retention in the management zone.</li> <li>(iv) the effect of trees and understory vegetation on water quality or fish habitat,</li> <li>(v) the need to maintain stream bank and stream channel integrity,</li> <li>(vi) the relative importance and sensitivity of different riparian classes of streams, wetlands and lakes,</li> <li>(vii) the type, timing or intensity of forest practices that are to be carried out,</li> <li>(viii) worker safety, and</li> <li>(ix) Other factors listed by the professional in the Site Plan.</li> </ul>	<p><input checked="" type="checkbox"/> Applicable  <input type="checkbox"/> Not Applicable  <b>See Rationales for consistencies with Schedule 1(2) Factors</b></p>	<p>Block is consistent with this strategy.</p>
<p><b>1.5.2.4 Community Watersheds</b></p>	<p>For a community watershed in which SCPI plans to carry out forestry activities:</p> <ol style="list-style-type: none"> <li>1. SCPI will only carry out the forestry activities if they are consistent with the recommendations of the Watershed Report prepared as part of the Watershed Assessment Procedure (WAP) as described in the FPC Coastal Watershed Assessment Procedure April 1999.</li> <li>2. If there are no established thresholds, SCPI will conduct a Watershed Assessment for the community watershed in which operations are planned. SCPI will be consistent with the directions of the watershed report developed by this assessment.</li> </ol> <p>SCPI will not be harvesting timber within the Chapman of Gray Creeks Community Watersheds for the 5 year term of this FSP except for salvage or forest health purposes.</p>	<p><input type="checkbox"/> Applicable  <input checked="" type="checkbox"/> Not Applicable</p>	<p>The block listed in this document is not within a designated Community Watershed</p>

<b>1.5.2.5 Biodiversity</b>	<p>For Stand Level Biodiversity; As per FPPR s 12.1(4), Cutting permits and road permits issued to SCPI will be subject to FPPR s 67. SCPI will be exempt from the requirement to specify intended results and strategies set out in FPPR s. 9.1, except that:</p> <ol style="list-style-type: none"> <li>1. Wildlife tree retention for specific BEC subzones will be consistent with the objectives specified in the Chapman and Sechelt Landscape Unit Plans.</li> </ol>	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable	<p>This cutblock meets the max cutblock size and adjacency requirements in the FPPR.</p>
<b>1.5.2.6 Visual Quality</b>	<p>VQOs have been set for the SCFD applying to all scenic areas in the FSP area. SCPI will comply with the Sunshine Coast Forest District Visual Quality Objectives. The SCPI manager will only carry out forest practices on an area if the forest practices are consistent with any VQOs that are applicable to the area.</p>	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable	<p>The block listed in this document is located within a visual polygon and the block is consistent with the PR VQO.</p>
<b>1.5.2.7 Cultural Heritage Resources</b>	<p>The CFA FDU is entirely within the traditional territory of the Sechelt Indian Band, therefore, the strategy of SCPI to meet the objective set by government for cultural heritage resources will be to maintain an effective, ongoing working relationship with the Sechelt Indian Band by:</p> <ol style="list-style-type: none"> <li>(a) Consulting with them regarding the strategic planning of forest resources within the CFA FDU whenever such plans are made or changed,</li> <li>(b) Providing detailed site-specific operational information for review and comment including Site Plans of areas identified for potential timber harvesting and road construction, and</li> <li>(c) Consulting with them regarding the identification and management of cultural heritage values within the operational areas of the CFA FDU</li> <li>(d) Offering to meet with them to discuss any aspects of planned operations or to conduct walk through assessments of blocks.</li> <li>(e) Encouraging the Sechelt Indian Band to provide information on cultural heritage resources to improve planning.</li> </ol>	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable	<p>The block listed in this document is located within a visual polygon and the block is consistent with the CHS of the FSP</p>
<b>1.5.3 &amp; 1.5.4 Stocking Standards</b>	<p>FPPR s. 44(1) applies in all situations or circumstances under the FSP where a free growing stand is required to be established under FRPA s. 29. Section 2, specifies the regeneration date, free growing height and stocking standards for the situations or circumstances where FPPR s. 44 (1) applies.</p>	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable	<p>The block listed in this document is consistent with this section</p>
<b>1.5.5 Recreation Resources</b>	<p>SCPI recognizes the recreational management objectives for the Sechelt Heritage Forest and will:</p> <ol style="list-style-type: none"> <li>1. Support the Municipality of Sechelt's agreement for the maintenance of this site,</li> <li>2. Not undertake any harvesting or road building within the Sechelt Heritage Forest unless required to do so for forest health purposes.</li> </ol>	<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable	<p>The block listed within this document is not within an established recreation site, trail or interpretive forest.</p>

<b>1.5.6 Landscape Units</b>	<p>SCPI will ensure that operations are undertaken in a manner consistent with the objectives of both the Sechelt and Chapman Landscape Units by:</p> <ol style="list-style-type: none"> <li>1. Ensuring that harvesting operations do not take place within old growth management areas, unless consistent with the exceptions listed in the Landscape Unit Plan Objectives,</li> <li>2. Ensuring that harvesting and road construction operations do not take place within old growth management areas, unless consistent with the exceptions listed in the Landscape Unit Plan Objectives.</li> <li>3. Ensuring that wildlife tree retention is retained to the levels specified in the Landscape Unit Plan Objectives.</li> </ol>	<input type="checkbox"/> Applicable <input checked="" type="checkbox"/> Not Applicable	<p>Block is consistent with this strategy.</p>
<b>1.6 Measures to Prevent the Introduction and Spread of Invasive Plants</b>	<p>If it is likely that a forest practice carried out by SCPI will result in introduction or spread of invasive plants, and each of the following apply:</p> <ol style="list-style-type: none"> <li>1. moderate to high risk invasive plants are likely to germinate on soil exposed that is a result of forest practices under this FSP,</li> <li>2. it is expected that grass would grow on these exposed sites, and</li> <li>3. it is likely that revegetation with grass seed would reduce the likelihood of invasive plant germination, SCPI will ensure that: <ol style="list-style-type: none"> <li>a. within one month of road building or harvesting activity, seed such soil that exceeds 0.1 ha in contiguous area; and</li> <li>b. preference is given to seed:</li> <li>c. with high sod-forming content (except in areas that are planted with tree seedlings),</li> <li>d. that has been certified by the Canadian Seed Growers Association that the seed meets the standards for varietal purity established by the Association for seed of that kind of species (Seeds Act, Seeds Regulation s.2(1)), and</li> <li>e. that is of native origin, provided:</li> <li>f. the seed is readily available,</li> <li>g. the seed is comparable in cost to agronomic mixtures, and</li> <li>h. the seed is comparable in effectiveness to agronomic mixtures.</li> </ol> </li> </ol>	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable	<p>Practices within the block will be consistent with this section.</p>

## 2.0 Operational Plan Commitments

<p><b>2.1 Sensitive Ecosystem Inventory</b></p>	<p>A Sensitive Ecosystem Inventory (SEI) has been completed by the Ministry of Environment for the lower biogeoclimatic zones of the Sunshine Coast. It is a mapping of sites considered to be rich in biodiversity and sensitive to operations. It is not a listing of recommended protected areas, but acknowledgement that specific biodiversity values exist in these areas.</p> <p>The community forest has this information and will use it to help establish riparian and other leave areas, as well as to plan ecosystem-appropriate forest management operations. Consideration of the SEI will be documented within the Site Plan documentation, specifically, within the FRPA Checklist.</p> <p>More information regarding the SEI can be found at:  <a href="http://www.env.gov.bc.ca/sei">www.env.gov.bc.ca/sei</a>  i.</p>	<p><input checked="" type="checkbox"/> Applicable  <input type="checkbox"/> Not Applicable</p>	<p>The SEI map for the area was reviewed and Block WS064 slightly infringes into Polygon 1025. This polygon is delineated as a Riparian feature class and a fringe subclass. The block boundary is located to protect the Riparian Reserve Zone and most of the Riparian Management Zone of Stream D. Ecosystem communities associated to the riparian feature will be maintained (not in the harvest area of the block).</p>
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## Schedule 1 Factor Rationales for Soil, Water, Wildlife and Biodiversity

<b>2.4 Water</b>	<p>Rationales are required where there is an inconsistency with the factors listed below:</p> <p><b>CHC-1011</b></p> <p>(1) In respect to sections 8 and 12 (3) of the FPPR, to address retention of trees in a riparian management zone, the TSM will:</p> <ul style="list-style-type: none"> <li>(a) ensure that retention levels within RMZs are determined by a qualified professional through a riparian assessment that considers all factors listed in Schedule 1(2) of the FPPR, and</li> <li>(b) design cutblocks and roads in a manner that is consistent with the retention levels as determined by the qualified professional as described in (a).</li> </ul> <p><b>SCHEDULE 1 – FACTORS</b></p> <p><i>[sections 12, 16, 24, 25, 26]</i></p> <p><b>Factors relating to objective set by government for water, fish, wildlife and biodiversity in riparian areas</b></p> <p><b>2</b> The following factors apply to a result or strategy for the objective set out in section 8 <i>[objectives set by government for water, fish, wildlife and biodiversity within riparian areas]</i>:</p> <ul style="list-style-type: none"> <li>(a) the type of management regime that is required for a riparian area, having regard to             <ul style="list-style-type: none"> <li>(i) the need to buffer the aquatic ecosystem of a stream, wetland or lake from the introduction of materials that are deleterious to water quality or fish habitat,</li> <li>(ii) the role played by trees and understory vegetation in conserving water quality, fish habitat, wildlife habitat and biodiversity,</li> <li>(iii) the need to maintain stream bank and stream channel integrity, and</li> <li>(iv) the relative importance and sensitivity of different riparian classes of streams, wetlands, and lakes in conserving water quality, fish habitat, wildlife habitat and biodiversity;</li> </ul> </li> <li>(b) the type, timing or intensity of forest practices that can be carried out within the context of a management regime referred to in paragraph (a);</li> <li>(c) the role of forest shading in controlling an increase in temperature within a temperature sensitive stream, if the increase might have a deleterious effect on fish or fish habitat.</li> </ul>	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> Not Applicable	
<b>Rationale</b>	<p>As these streams are considered to be fish streams; in consideration of the above factors contained within sections (a), (b) and (c); <b>Stream D and D1</b> will have portions of the RMZ removed within the harvest areas of the block where the RMA to be harvested:</p> <ul style="list-style-type: none"> <li>1) does not require the trees within the RMZ to maintain stream bank/channel integrity;</li> <li>2) does not require trees or understory vegetation to maintain water quality, fish habitat, wildlife habitat and biodiversity.</li> <li>3) are not temperature sensitive streams.</li> </ul> <p>Stream prescriptions in regards to the type, timing or intensity of forest practices are consistent in maintaining identified downstream values.</p>		

**ADMINISTRATION**

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
DATE SIGNED	

**I declare that I have reviewed this document and I have determined that this block's Site Plan meets the results and strategies set forth in the Forest Stewardship Plan and is consistent with the objectives set by government. Practice requirements are addressed in the Site Plan. This Site Plan has been done to standards acceptable of a Registered Professional Forester.**