



TENURE IDENTIFICATION

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G051C4F5	BC4F5		Sechelt	West Sechelt	49 30 09 / 123 51 29

AREA UNDER THE PLAN

GROSS AREA (TAUP)	PAS	NP	WTRA / WTP	RESERVES	OTHER	NAR
7.2	0.4	0.0	0.7	0.0	0.0	6.1

ADDITIONAL COMMENTS

OTHER RESOURCES
This SP is consistent with the BCTS FSP for the Sunshine Coast Operating area approved February 8, 2007 and consolidated to amendment #4 dated March 2, 2012 and minor amendment #5 dated March 28, 2012.

SOIL DISTURBANCE

SU	Max. Allowable Soil Disturbance (%)	Max. Amount TAS May Exceed MASD Prior To Rehab (%)	Max. Allowable Soil Disturbance For Roadside Work Areas (%)	Maximum Permanent Access Structures (%)
1	10.0		25.0	7.0
SU	CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING			
1	There are no timing constraints associated with this block.			

RESULTS AND STRATEGIES

Biodiversity Objectives	
Result or Strategy Description	1.3.1.1.1-4 Objective 1 (FDU Chapman, Bunster, Sechelt, Lois)
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	OGMAs have been designated as part of the Sechelt Landscape Unit Plan, dated Nov. 25, 2002. There are no OGMA's within the vicinity of Block C4F5.
Result or Strategy Description	1.3.1.1.1-4 Objective 2 (FDU Chapman, Bunster, Sechelt, Lois)
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Stand level biodiversity is maintained through the retention of wildlife tree retention areas (WTRA). The WTRA retention target for CWHxm in the Sechelt Landscape Unit is 10%. Block C4F5 contains 0.72 ha (10%) of representative wildlife tree retention area.</p> <p>As per the approved FSP, the designated WTRA area which is located adjacent to the west boundary, contains:</p> <p>a) live or dead veteran trees; b) larger trees for the stand and moderate to high value wildlife trees; c) a representative component of the stand to be harvested; and d) a component of the upper 10% of the diameter range of trees in the stand to be harvested.</p>
Result or Strategy Description	1.3.2.5 FPPR s.9 Wildlife and Biodiversity at Landscape Level. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Landscape level biodiversity is addressed through FPPR s.64 and s.65 as outlined in the FSP.</p> <p>Maximum cutblock size in the Coast Forest Region is 40ha as per FPPR s.64(1)(a). The net area to be reforested for Block C4F5 is 6.1ha.</p> <p>Block C4F5 is adjacent to two blocks totalling 21.1 ha. These blocks are 12 years old and appear to be well stocked. The combined NAR of Block C4F5 and adjacent blocks (27.7) is less than 40ha and meets the requirements of FPPR s.65(1).</p>
Result or Strategy Description	1.3.2.5 FPPR s.9.1 Wildlife and Biodiversity at Stand Level. FDU All
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Stand level biodiversity is maintained through the retention of wildlife tree retention areas (WTRA). The WTRA retention target for CWHxm in the Sechelt Landscape Unit is 10%. Block C4F5 contains 0.72 ha (10%) of representative wildlife tree retention area.</p> <p>As per the approved FSP, the designated WTRA area which is located adjacent to the west boundary, contains:</p> <p>a) live or dead veteran trees; b) larger trees for the stand and moderate to high value wildlife trees; c) a representative component of the stand to be harvested; and d) a component of the upper 10% of the diameter range of trees in the stand to be harvested.</p>
Result or Strategy Description	1.3.1.2 Order Establishing Non-Spatial Old Growth Objectives. FDU Deserted, Haslam, Homfray, Tahumming, Howe, Brittain, Cortes.
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Not applicable to the Sechelt FDU.

Cultural Heritage Resources	
Result or Strategy Description	1.3.2.6 FPPR s.10 Conserve or Protect Cultural Heritage Resources. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Block C4F5 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.</p> <p>A Preliminary Archeological Field Reconnaissance has been completed for Block C4F5. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.</p> <p>No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.</p>
Recreation Resources	
Result or Strategy Description	1.3.3.2 Objectives set for Recreation Sites and Trails (FDUs Lois, Bunster, Sechelt)
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	No designated recreation sites or features are located in the vicinity of TSL A95107.
Riparian Management	
Result or Strategy Description	1.3.2.3 FPPR s.12(3). Retention in a Riparian Management Zone. FDU All
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no riparian areas within or adjacent to block C4F5.
Result or Strategy Description	1.3.2.3 FPPR s.47,48,49. Stream, Lake and Wetland Riparian Classes. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no streams, lakes or wetlands within or adjacent to block C4F5.
Result or Strategy Description	1.3.2.3 FPPR s.50,51,52(2). Restrictions in RMA's, RMZ's, and RRZ's. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no riparian areas within or adjacent to block C4F5.
Soil Objectives	
Result or Strategy Description	1.3.2.1 Conserve Productivity and Hydrological Function of Soils. FDU All
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Prescribed soil disturbance limits and permanent access structure limits within block C4F5 are consistent with s.35 and s.36 of the FPPR as specified in the approved BCTS Sunshine Coast FSP.
Visual Objectives	
Result or Strategy Description	1.3.3.1 FRPA s.181 Visual Quality Objectives for scenic areas. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Block C4F5 is located within visual lanscape inventory polygon 1295, which has a visual quality objective of partial retention (PR). PR is defined as an altered forest landscape that, when assessed from a significant public viewpoint, is easy to see, small to medium in scale and natural and not rectilinear or geometric in shape.</p> <p>Block C4F5 is located on generally flat terrain and will be screened by retained and regenerating trees on all sides and will not be visible from any significant public viewpoints including Highway 101, Malaspina Strait or the Strait of Georgia.</p>
Water Management Objectives	
Result or Strategy Description	1.3.2.4 FPPR s.8.2 Community Watershed. FDU Sechelt, Chapman, Howe, Lois, Bunster, Haslam.
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Block C4F5 is not located within a community watershed.
Wildlife Objectives	
Result or Strategy Description	1.3.2.2 FPPR s.7 Coastal Tailed Frog. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Coastal Tailed Frog - No Coastal Tailed Frog specimens or breeding habitat (permanent, clear, fast flowing streams) were identified in this block during fieldwork.
Result or Strategy Description	1.3.2.2 FPPR s.7 Marbled Murrelet. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Marbled Murrelet - There are no areas of designated Class 1, 2, or 3 Marbled Murrelet habitat, or stands of age class 8 or 9 with a height class of 4 or better within the planned harvest area. No marbled murrelet specimens or habitat were identified in this block during fieldwork.


Result or Strategy Description	1.3.2.2 FPPR s.7 Mountain Goat. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Mountain Goat - No timber harvesting or road construction is planned within a draft UWR polygon. No mountain goats or goat habitat were identified in the harvest area during fieldwork.
Result or Strategy Description	1.3.2.2 FPPR s.7 Queen Charlotte (Northern) Goshawk. FDU Chapman, Howe, Bunster, Haslam, Homfray, Cortes, Sechelt, Lois.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Queen Charlotte Goshawk - No timber harvesting or road construction is planned in an area that has an active nest and meets the amount, distribution, attributes and characteristics described in the Notice for the Sunshine Coast Forest District (dated March 2, 2006) for Queen Charlotte Goshawk or in an area identified by BCTS as an interim management area for Queen Charlotte Goshawk.
Result or Strategy Description	1.3.2.2 FPPR s.7 Grizzly Bear. FDU Deserted, Homfray, Brittain, Tahumming
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Does not apply to the Sechelt FDU.

STOCKING REQUIREMENTS

SU	NAR	STANDARDS ID #	OTHER PERFORMANCE STANDARDS
1	6.1	1008254	(HW24) ; HW-suitable (as a major species) in wetter portion of biogeoclimatic unit; (PW31) ; PW-risk of white pine blister rustSee FSP for additional rules for modifying stocking standards.

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
Erik Holbek	
DATE SIGNED	
February 26, 2018	
I certify I personally completed the work described herein.	

Map attached forms an integral part of the site plan.

SUPPORT DOCUMENT

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G051C4F5	BC4F5		Sechelt	West Sechelt	49 30 09 / 123 51 29

ASSESSMENTS

VISUAL IMPACT ASSESSMENT INFORMATION					
<p>Block C4F5 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.</p> <p>A Preliminary Archeological Field Reconnaissance has been completed for Block C4F5. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.</p> <p>No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.</p>					
PEST INCIDENCE SURVEY INFORMATION					
Pest Specific Comments					
N/A					
Forest Health Comments					
Dwarf hemlock mistletoe is present within the block. Knock down all hemlock 3.0m and taller concurrent with harvest.					
ARCHAEOLOGICAL IMPACT ASSESSMENT INFORMATION					
<p>Block C4F5 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.</p> <p>A Preliminary Archeological Field Reconnaissance has been completed for Block C4F5. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.</p> <p>No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.</p>					
TERRAIN STABILITY FIELD AND GULLY ASSESSMENTS INFORMATION					
Terrain Stability Comments					
No signs of slope instability were observed within block C4F5 which is located on gentle slopes.					
Gully Comments					
There are no gullies within block C4F5.					
VEGETATION					
Post harvest brush competition is expected to be low.					
Plant in the first spring following harvest, monitor and treat brush competition as required during early seedling establishment.					

RIPARIAN ASSESSMENTS					
Management Strategies					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)

SOIL ASSESSMENT							
HAZARD RATINGS				SOIL CHARACTERISTICS			
SU	Soil Comp	Soil Erosion	Soil Disp	Depth To Unfavourable Subsoil		Type of Unfavourable Subsoil	Sediment Delivery Risk (Community Watersheds)
				Min(cm)	Max(cm)		
1	M	M	M	30.0	90.0	C	

COMMENTS					
<p>The soil disturbance limit for block C4F5 is 10% and 25% for roadside work areas.</p> <p>The calculated permanent access strucutre (PAS) area is 0.4 ha (5.6%).</p> <p>Adhere to BCTS TSG rainfall shutdown guidelines for Zone 1 - 12mm in 24 hours.</p> <p>Adhere to all road deactivation requirements contained in the applicable road permit for this licence.</p>					

RESERVE / RETENTION INFORMATION

WTRA / WTP (INSIDE OR ATTRIBUTED TO THE BLOCK)		
I.D.#	Area	Description
WTRA	0.7	WTRA is designated adjacent to the southwest boundary of the harvest area. This reserve is representative of the harvest area in terms of ecosite classification and species composition and contains some larger diameter trees.

GROUP WTRA / WTP AND SITE DEG. CALCULATION (to be retained on the first block of the Permit only)						
Block	Gross Cutblock Area	WTRA / WTP	%	BEC	Perm Access	%
G041C4F6	23.3	2.5	10.7	CWH/xm/1	1.2	5.2
G041C4F9	32.4	3.6	11.1	CWH/xm/1	2.1	6.5
G051C4F5	7.2	0.7	10.0	CWH/xm/1	0.4	5.5
Total # of Blocks: 3	62.9	6.8	10.8		3.7	5.9

SUPPORTING INFORMATION

HLP/FSP CONSIDERATIONS
Wildlife/Endangered Species Comments
<p>The Sunshine Coast Forest District's Forest Stewardship Plan states Results and Strategies for Species At Risk and Winter Survival of Specified Ungulate Species. The following species were considered during the preparation of this SP.</p> <p>Marbled Murrelet - There are no areas of designated Class 1, 2, or 3 Marbled Murrelet habitat, or stands of age class 8 or 9 with a height class of 4 or better within the planned harvest area. No marbled murrelet specimens or habitat were identified in this block during fieldwork.</p> <p>Coastal Tailed Frog - No Coastal Tailed Frog specimens or breeding habitat (permanent, clear, fast flowing streams) were identified in this block during fieldwork.</p> <p>Red Legged Frog - No Red Legged Frogs or breeding habitat (small ponds or wetlands with open canopy cover) were identified within or adjacent to this block during fieldwork.</p> <p>Western Toad - No Western Toads or potential breeding habitat were identified in this block during fieldwork.</p> <p>Queen Charlotte Goshawk - No Queen Charlotte Goshawk specimens or nests were identified in this block during fieldwork.</p> <p>Mountain Goat - No mountain goats or habitat were identified in this block during fieldwork.</p>
Range Comments
N/A
Fisheries Comments
There are no streams within or adjacent to block C4F5.
Watersheds/Hydro Assessments Comments
Block C4F5 is not located within a community watershed.
Sensitive Areas Comments
N/A
Recreation Comments
There are no designated recreation features within or adjacent to block C4F5 and no evidence of recreational use was noted during fieldwork.
Cultural Heritage Comments
<p>Block C4F5 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.</p> <p>A Preliminary Archeological Field Reconnaissance has been completed for Block C4F5. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.</p> <p>No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.</p>
Biodiversity Emphasis/L.U. Comments
<p>Stands in block C4F5 are between 70 and 80 years of age with some scattered veteran Douglas-fir that are estimated to be over 250 years old.</p> <p>The BC Species and Ecosystems Explorer indicates that this site has the potential to support the red listed western hemlock - Douglas-fir / Oregon beaked-moss (CWH xm1 01) plant community. This community is not present in a climax condition within block C4F5 but has the potential to develop within areas retained for stand level biodiversity (WTRA). This plant communities is not designated as a species at risk under the Identified Wildlife Managment Strategy.</p> <p>Veteran trees have been marked for retention where operationally practicable and will provide structural diversity as well as wildlife tree and coarse woody debris recruitment.</p>
Other Resources Comments
<p>INVASIVE PLANTS MANAGEMENT</p> <p>Invasive plant species including Himalayan blackberry and Scotch broom occur along the Highway 101 corridor and the power line RoW, which crosses the Half Moon Bay FSR access to this block.</p> <p>Grass seed contiguous ares of exposed soils that exceed 0.1 ha with preferred seed within one year of harvest completion.</p> <p>Preferred seed is described in the FSP as follows: a) high sod-forming content, except in areas that are planted with tree seedlings; b) has been certified by the Canadian Seed Growers Association that the seed; i) meets Common #1 Forage Grade or better standards for varietal purity established by the Association for seed of that kind of species (Seeds Act, Seeds Regulation S. 2(1)); and ii) is of native origin.</p> <p>Clean all equipment prior to transport to Block C4F5.</p>
ADDITIONAL COMMENTS:

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

HARVEST PLAN

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G051C4F5	BC4F5		Sechelt	West Sechelt	49 30 09 / 123 51 29

SILVICULTURE SYSTEMS

SU	SYSTEM	VARIANT	PHASE	RESERVE	Min BA (m2/ha)	Min Residual Density (sph)
1	CCRES		REMOV			
Current Stand Structure/Site Conditions			Block C4F5 is composed of second growth Fd(CwHw) stands with scattered Douglas-fir and cedar veterans.			
Silviculture Systems SU Comments						
Min. Characteristics of Leave Trees (Form, Health, Vigour)			Veteran Douglas-fir and cedar have been marked for retention where operationally practicable.			

Additional Comments

--	--

SOIL ASSESSMENT											
SU	HAZARD RATINGS			SOIL DISTURBANCE				SOIL CHARACTERISTICS			
	Soil Comp.	Soil Erosion	Soil Disp.	Max Allow Soil Dist %	Max Allow Max Amount TAS may exceed MASD prior	Max Allow Perm Access Structures %	MASD for Roadside work areas %	Depth to Unfavorable Subsoil		Type of Unfavorable Subsoil	Sediment Delivery Risk (Comm. Watershed)
								Min (cm)	Max (cm)		
1	M	M	M	10.0		7.0	25.0	30.0	90.0	Compacted Materials	
SU	Critical site conditions that affect the timing of operations and how they affect the timing										
1	There are no timing constraints associated with this block.										

SU MANAGEMENT COMMENTS	
SU	SU Description
1	SU-1 makes up all of Block C4F5. It predominantly site series 01 with areas of drier, poorer site series 03 on and adjacent to rocky hummocks.

SOIL MANAGEMENT COMMENTS	
Soil Conservation	
The soil disturbance limit for block C4F5 is 10% and 25% for roadside work areas.	
The calculated permanent access strucutre (PAS) area is 0.4 ha (5.6%).	
Adhere to BCTS TSG rainfall shutdown guidelines for Zone 1 - 12mm in 24 hours.	
Adhere to all road deactivation requirements contained in the applicable road permit for this licence.	
Temporary Access	
No temporary access structures are planned for this block.	
Slope Instability	
No signs of slope instability were observed within block C4F5 which is located on gentle slopes.	

RIPARIAN ASSESSMENTS					
Management Strategies					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)


COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION		
Retain a minimum of 4 logs/ha each being at least 5m in length and 30 cm in diameter at one end. These logs should come from the existing stand, not from existing CWD. Larger CWD evenly distributed throughout the block is preferred.		
Performance Std. (%) :	Block Target (%):	Coarse Woody Debris (m3/ha):

DEFINITIONS

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

Print off the PAS/TAS table located as an attachment on the Block Details Screen and attach to this prescription.

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
Erik Holbek	
DATE SIGNED	
February 26, 2018	
I certify I personally completed the work described herein.	

SILVICULTURE PLAN

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G051C4F5	BC4F5		Sechelt	West Sechelt	49 30 09 / 123 51 29

ECOLOGICAL INFORMATION

SU	Ecology Unit	Area	Zone	Subzone	Variant / Phase	Site Series (series - %)	Elevation Avg (m)	Slope Avg (%)	Aspect	Slope Position	Rooting Depth (cm)	Soil Texture
1	1	6.1	CWH	xm	1	01-85 03-15	210	15	V	Rolling	75	

STOCKING REQUIREMENTS				
ASSESSMENT DATES				
Standard Unit	Standards ID	Regen Delay (yrs)	Freegrow Early (yrs)	Freegrow Late (yrs)
1	1008254	4		20
Min/Max Elevation Regime: 200 / 220				

SU : 1REGENERATION LAYER													
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)				MAX CONIFEROUS (sph)			
Species		Min Ht. (m)	Footnotes	Species		Min Ht. (m)	Footnotes	Min		Max			
Fdc Douglas Fir - Coastal	3.0		Cw	Western Red Cedar	1.5		WELL SPACED TREES (sph)						
			Pw	Western White Pine	2.5		Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)			
			Hw	Western Hemlock	2.0								
					900		500	400	2.0				
							Height Relative to Competition (%)						
								150					

OTHER REQUIRED STOCKING INFORMATION

ACTIVITIES


SILVICULTURE ACTIVITY COMMENTS	
ACTIVITY	COMMENT
Planting	Plant promptly following harvest with 412A or larger stock. Recommended planting density and species composition is 1200 sph and 100% Fd.

MANAGEMENT STRATEGY

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION	
Retain a minimum of 4 logs/ha each being at least 5m in length and 30 cm in diameter at one end. These logs should come from the existing stand, not from existing CWD. Larger CWD evenly distributed throughout the block is preferred.	
Performance Std. (%):	Block Target (%): Coarse Woody Debris (m3/ha):

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
Erik Holbek	
DATE SIGNED	
February 26, 2018	
I certify I personally completed the work described herein.	



TENURE IDENTIFICATION

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G041C4F6	BC4F6		Sechelt	West Sechelt	49 29 45 / 123 50 27

AREA UNDER THE PLAN

GROSS AREA (TAUP)	PAS	NP	WTRA / WTP	RESERVES	OTHER	NAR
23.3	1.2	0.1	2.5	0.3	0.0	19.2

ADDITIONAL COMMENTS

OTHER RESOURCES
This SP is consistent with the BCTS FSP for the Sunshine Coast Operating area approved February 8, 2007 and consolidated to amendment #4 dated March 2, 2012 and minor amendment #5 dated March 28, 2012.

SOIL DISTURBANCE

SU	Max. Allowable Soil Disturbance (%)	Max. Amount TAS May Exceed MASD Prior To Rehab (%)	Max. Allowable Soil Disturbance For Roadside Work Areas (%)	Maximum Permanent Access Structures (%)
1	10.0		25.0	7.0
SU	CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING			
1	Drier weather harvest preferred.			

RESULTS AND STRATEGIES

Biodiversity Objectives	
Result or Strategy Description	1.3.1.1.1-4 Objective 1 (FDU Chapman, Bunster, Sechelt, Lois)
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	OGMAs have been designated as part of the Sechelt Landscape Unit Plan, dated Nov. 25, 2002. OGMA SRY_222_109 is located approximately 250m northwest of block C4F6 on the opposite side of the high voltage transmission line and will not be impacted by the proposed harvest of this block.
Result or Strategy Description	1.3.1.1.1-4 Objective 2 (FDU Chapman, Bunster, Sechelt, Lois)
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Stand level biodiversity is maintained through the retention of wildlife tree retention areas (WTRA). The WTRA retention target for CWHxm in the Sechelt Landscape Unit is 10%. Block C4F6 contains 2.5 ha (10.7%) of representative wildlife tree retention area. As per the approved FSP, the designated WTRA area which is located adjacent to the northwest boundary, contains: a) live or dead veteran trees; b) larger trees for the stand and moderate to high value wildlife trees; c) a representative component of the stand to be harvested; and d) a component of the upper 10% of the diameter range of trees in the stand to be harvested.
Result or Strategy Description	1.3.2.5 FPPR s.9 Wildlife and Biodiversity at Landscape Level. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Landscape level biodiversity is addressed through FPPR s.64 and s.65 as outlined in the FSP. Maximum cutblock size in the Coast Forest Region is 40ha as per FPPR s.64(1)(a). The net area to be reforested for block C4F6 is 19.2 ha and existing cut blocks adjacent to block C4F6 meet the requirements of FPPR s.65(3)(a).
Result or Strategy Description	1.3.2.5 FPPR s.9.1 Wildlife and Biodiversity at Stand Level. FDU All
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Stand level biodiversity is maintained through the retention of wildlife tree retention areas (WTRA). The WTRA retention target for CWHxm in the Sechelt Landscape Unit is 10%. Block C4F6 contains 2.5 ha (10.7%) of representative wildlife tree retention area. As per the approved FSP, the designated WTRA area which is located adjacent to the northwest boundary, contains: a) live or dead veteran trees; b) larger trees for the stand and moderate to high value wildlife trees; c) a representative component of the stand to be harvested; and d) a component of the upper 10% of the diameter range of trees in the stand to be harvested.
Result or Strategy Description	1.3.1.2 Order Establishing Non-Spatial Old Growth Objectives. FDU Deserted, Haslam, Homfray, Tahumming, Howe, Brittain, Cortes.
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Not applicable to the Sechelt FDU.

Cultural Heritage Resources	
Result or Strategy Description	1.3.2.6 FPPR s.10 Conserve or Protect Cultural Heritage Resources. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Block C4F6 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.</p> <p>A Preliminary Archeological Field Reconnaissance has been completed for Block C4F6. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.</p> <p>No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.</p>
Recreation Resources	
Result or Strategy Description	1.3.3.2 Objectives set for Recreation Sites and Trails (FDUs Lois, Bunster, Sechelt)
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	No designated recreation sites or features are located in the vicinity of TSL A95017.
Riparian Management	
Result or Strategy Description	1.3.2.3 FPPR s.12(3). Retention in a Riparian Management Zone. FDU All
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Classification of streams within and adjacent to block C4F6 is specified within this plan and is consistent with the approved BCTS Sunshine Coast FSP.
Result or Strategy Description	1.3.2.3 FPPR s.47,48,49. Stream, Lake and Wetland Riparian Classes. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Tree retention within each riparian management zone in block C4F6 is specified within this plan and is consistent with the approved BCTS Sunshine Coast FSP.
Result or Strategy Description	1.3.2.3 FPPR s.50,51,52(2). Restrictions in RMA's, RMZ's, and RRZ's. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Restrictions within RMAs (RMZ's, and RRZ's) are consistent with FPPR s. 50, 51, and 52(2) as specified in the approved BCTS Sunshine Coast FSP.
Soil Objectives	
Result or Strategy Description	1.3.2.1 Conserve Productivity and Hydrological Function of Soils. FDU All
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Prescribed soil disturbance limits and permanent access structure limits within block C4F6 are consistent with s.35 and s.36 of the FPPR as specified in the approved BCTS Sunshine Coast FSP.
Visual Objectives	
Result or Strategy Description	1.3.3.1 FRPA s.181 Visual Quality Objectives for scenic areas. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Block C4F6 is located within visual lanscape inventory polygon 1295, which has a visual quality objective of partial retention (PR). PR is defined as an altered forest landscape that, when assessed from a significant public viewpoint, is easy to see, small to medium in scale and natural and not rectilinear or geometric in shape.</p> <p>Block C4F6 is located on generally flat terrain and will be screened by retained and regenerating trees on all sides and will not be visible from any significant public viewpoints including Highway 101, Malaspina Strait or the Strait of Georgia.</p>
Water Management Objectives	
Result or Strategy Description	1.3.2.4 FPPR s.8.2 Community Watershed. FDU Sechelt, Chapman, Howe, Lois, Bunster, Haslam.
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Block C4F6 is not located within a community watershed.
Wildlife Objectives	
Result or Strategy Description	1.3.2.2 FPPR s.7 Coastal Tailed Frog. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Coastal Tailed Frog - No Coastal Tailed Frog specimens or breeding habitat (permanent, clear, fast flowing streams) were identified in this block during fieldwork.
Result or Strategy Description	1.3.2.2 FPPR s.7 Marbled Murrelet. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Marbled Murrelet - There are no areas of designated Class 1, 2, or 3 Marbled Murrelet habitat, or stands of age class 8 or 9 with a height class of 4 or better within the planned harvest area. No marbled murrelet specimens or habitat were identified in this block during fieldwork.


Result or Strategy Description	1.3.2.2 FPPR s.7 Mountain Goat. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Mountain Goat - No timber harvesting or road construction is planned within a draft UWR polygon. No mountain goats or goat habitat were identified in the harvest area during fieldwork.
Result or Strategy Description	1.3.2.2 FPPR s.7 Queen Charlotte (Northern) Goshawk. FDU Chapman, Howe, Bunster, Haslam, Homfray, Cortes, Sechelt, Lois.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Queen Charlotte Goshawk - No timber harvesting or road construction is planned in an area that has an active nest and meets the amount, distribution, attributes and characteristics described in the Notice for the Sunshine Coast Forest District (dated March 2, 2006) for Queen Charlotte Goshawk or in an area identified by BCTS as an interim management area for Queen Charlotte Goshawk.
Result or Strategy Description	1.3.2.2 FPPR s.7 Grizzly Bear. FDU Deserted, Homfray, Brittain, Tahumming
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Does not apply to the Sechelt FDU.

STOCKING REQUIREMENTS

SU	NAR	STANDARDS ID #	OTHER PERFORMANCE STANDARDS
1	19.2	1008254	(HW24) ; HW-suitable (as a major species) in wetter portion of biogeoclimatic unit; (PW31) ; PW-risk of white pine blister rustSee FSP for additional rules for modifying stocking standards.

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
Erik Holbek	
DATE SIGNED	
February 26, 2018	
I certify I personally completed the work described herein.	

Map attached forms an integral part of the site plan.

SUPPORT DOCUMENT

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G041C4F6	BC4F6		Sechelt	West Sechelt	49 29 45 / 123 50 27

ASSESSMENTS

VISUAL IMPACT ASSESSMENT INFORMATION
Block C4F6 is located within visual lanscape inventory polygon 1295, which has a visual quality objective of partial retention (PR). PR is defined as an altered forest landscape that, when assessed from a significant public viewpoint, is easy to see, small to medium in scale and natural and not rectilinear or geometric in shape.
Block C4F6 is located on generally flat terrain and will be screened by retained and regenerating trees on all sides and will not be visible from any significant public viewpoints including Highway 101, Malaspina Strait or the Strait of Georgia.
PEST INCIDENCE SURVEY INFORMATION
Pest Specific Comments
N/A
Forest Health Comments
Dwarf hemlock mistletoe is present within the block. Knock down all hemlock 3.0m and taller concurrent with harvest.
ARCHAEOLOGICAL IMPACT ASSESSMENT INFORMATION
Block C4F6 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.
A Preliminary Archeological Field Reconnaissance has been completed for Block C4F6. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.
No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.
TERRAIN STABILITY FIELD AND GULLY ASSESSMENTS INFORMATION
Terrain Stability Comments
No signs of slope instability were observed within block C4F6 which is located on gentle slopes.
Gully Comments
There are no gullies within block C4F6.
VEGETATION
Post harvest brush competition is expected to be low.
Plant in the first spring following harvest, monitor and treat brush competition as required during early seedling establishment.

RIPARIAN ASSESSMENTS					
Management Strategies					
There are no fish bearing streams located within or adjacent to block C4F6.					
Adhere to stream falling, yarding and cleaning prescriptions.					
Where fall and/or yard across is permitted: Limit machine traffic through and around the stream; Fall and yard away as much as possible; and, Minimize introduced debris.					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
NCD 3 NCD	RMZ		0.0		Fall and yard across where necessary. Minimize machine crossings.
NCD 1 NCD	RMZ		0.0		Outside of harvest area.
NCD 2 NCD	RMZ		0.0		Fall and yard across where necessary.

SOIL ASSESSMENT							
HAZARD RATINGS				SOIL CHARACTERISTICS			
SU	Soil Comp	Soil Erosion	Soil Disp	Depth To Unfavourable Subsoil		Type of Unfavourable Subsoil	Sediment Delivery Risk (Community Watersheds)
				Min(cm)	Max(cm)		
1	M	M	M	45.0	60.0	C	
COMMENTS							
The soil disturbance limit for block C4F6 is 10% and 25% for roadside work areas.							
The calculated permanent access strucutre (PAS) area is 1.2ha (5.2%).							
Adhere to BCTS TSG rainfall shutdown guidelines for Zone 1 - 12mm in 24 hours.							
Adhere to all road deactivation requirements contained in the applicable road permit for this licence.							

RESERVE / RETENTION INFORMATION

WTRA / WTP (INSIDE OR ATTRIBUTED TO THE BLOCK)						
I.D.#	Area	Description				
RESERV2	2.5	WTRA has been designated adjacent to the northwest block boundary. This area is representative of the harvest area in terms of ecosite and stand characteristics and contains live and dead trees as well as a component of the upper 10% of the diameter range relative to the harvest area.				
OTHER RESERVE AREAS (INSIDE OR ATTRIBUTED TO THE BLOCK)						
I.D.#	Area	Description				
RET	0.3	A small TLA has been designated around a non-classified wet area (FC 98 to FC 99). Timber within this TLA is primarily non-merchantable Hw and Cw with some mature Doulgas-fir.				
GROUP WTRA / WTP AND SITE DEG. CALCULATION (to be retained on the first block of the Permit only)						
Block	Gross Cutblock Area	WTRA / WTP	%	BEC	Perm Access	%
G041C4F6	23.3	2.5	10.7	CWH/xm/1	1.2	5.2
G041C4F9	32.4	3.6	11.1	CWH/xm/1	2.1	6.5
G051C4F5	7.2	0.7	10.0	CWH/xm/1	0.4	5.5
Total # of Blocks: 3	62.9	6.8	10.8		3.7	5.9

SUPPORTING INFORMATION

HLP/FSP CONSIDERATIONS
Wildlife/Endangered Species Comments
<p>The Sunshine Coast Forest District's Forest Stewardship Plan states Results and Strategies for Species At Risk and Winter Survival of Specified Ungulate Species. The following species were considered during the preparation of this SP.</p> <p>Marbled Murrelet - There are no areas of designated Class 1, 2, or 3 Marbled Murrelet habitat, or stands of age class 8 or 9 with a height class of 4 or better within the planned harvest area. No marbled murrelet specimens or habitat were identified in this block during fieldwork.</p> <p>Coastal Tailed Frog - No Coastal Tailed Frog specimens or breeding habitat (permanent, clear, fast flowing streams) were identified in this block during fieldwork.</p> <p>Red Legged Frog - Red Legged Frogs were identified within block C4F6 and a W4 wetland with a high probability of being breeding habitat exists to the east of FC 7. This wetland is excluded from the block and a 30m windfirm buffer has been retained. Additional terrestrial habitat is also retained to the northwest of the wetland. No other wetland areas with potential breeding habitat were identified within or adjacent to the block. This design is consistent with recommendations in the 2010 BCTS TSG Management Protocol for Red Legged Frogs and Western Toads.</p> <p>Western Toad - No Western Toads were identified during fieldwork however the W4 wetland to the east of FC 7 is potential breeding habitat for toads as well as frogs. The breeding habitat management considerations for Red Legged Frogs described above are also applicable to Western Toads.</p> <p>Queen Charlotte Goshawk - No Queen Charlotte Goshawk specimens or nests were identified in this block during fieldwork.</p> <p>Mountain Goat - No mountain goats or habitat were identified in this block during fieldwork.</p>
Range Comments
N/A
Fisheries Comments
There are no fish bearing streams within or adjacent to block C4F6.
Watersheds/Hydro Assessments Comments
Block C4F6 is not located within a community watershed and there are no classified streams within or adjacent to the block.
Sensitive Areas Comments
N/A
Recreation Comments
<p>Two non-designated recreation trails were identified within block C4F6. The 5&5 trail connects road HMB3-C100 to the transmission line RoW on the north side of the block. Another unnamed trail runs through a short section of block in the vicinity of FC 23 and FC 49 (see SP map) and connects a deactivated road south of the block to the transmission line RoW.</p> <p>Fall and yard away from these trails as much as possible and re-establish immediately following harvest completion by removing all large woody debris and branches deposited on and within the 1m of the trail during harvesting. Where fall and yard across is required minimize machine crossings and disturbance to the trail surface.</p> <p>For public safety these trails should be closed with adequate warning signage during all active operations.</p>
Cultural Heritage Comments
<p>Block C4F6 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.</p> <p>A Preliminary Archeological Field Reconnaissance has been completed for Block C4F6. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.</p> <p>No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.</p>
Biodiversity Emphasis/L.U. Comments
<p>Stands in block C4F6 are primarily between 110 and 120 years of age with some older and younger cohorts as well as scattered veteran Douglas-fir that are estimated to be over 250 years old.</p> <p>Canopy closure is relatively uniform with low to moderate understory vegetation cover. Where understory vegetation is developed it is dominated by salal (Gaultheria shallon).</p> <p>The BC Species and Ecosystems Explorer indicates that this site has the potential to support the red listed western hemlock - Douglas-fir / Oregon beaked-moss (CWH xm1 01) as well as the western hemlock - western redcedar / deer fern (CWH xm1 06) plant communities. These communities are not present in a climax condition within block C4F6 but have the potential to develop within areas retained for stand level biodiversity (WTRA). These plant communities are not designated as species at risk under the Identified Wildlife Managment Strategy.</p> <p>Veteran trees have been marked for retention where operationally practicable and will provide structural diversity as well as wildlife tree and coarse woody debris recruitment.</p>
Other Resources Comments
INVASIVE PLANTS MANAGEMENT
<p>Invasive plant species including Himalayan blackberry and Scotch broom occur along the Highway 101 corridor and the power line RoW, which crosses the Half Moon Bay FSR access to this block.</p> <p>Grass seed contiguous ares of exposed soils that exceed 0.1 ha with preferred seed within one year of harvest completion.</p> <p>Preferred seed is described in the FSP as follows: a) high sod-forming content, except in areas that are planted with tree seedlings; b) has been certified by the Canadian Seed Growers Association that the seed; i) meets Common #1 Forage Grade or better standards for varietal purity established by the Association for seed of that kind of species (Seeds Act, Seeds Regulation S. 2(1)); and ii) is of native origin.</p> <p>Clean all equipment prior to transport to Block C4F6.</p>
ADDITIONAL COMMENTS:

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

HARVEST PLAN

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G041C4F6	BC4F6		Sechelt	West Sechelt	49 29 45 / 123 50 27

SILVICULTURE SYSTEMS

SU	SYSTEM	VARIANT	PHASE	RESERVE	Min BA (m2/ha)	Min Residual Density (sph)
1	CCRES		REMOV			
Current Stand Structure/Site Conditions			Block C4F6 consists of second growth Douglas-fir, hemlock and cedar with a small component of deciduous trees and some dispersed verteran trees. Veteran trees have been marked for retention where operationally practicable.			
Silviculture Systems SU Comments			SU-1: Eight (8) Douglas-fir and three (3) cedar have been marked for retention.			
Min. Characteristics of Leave Trees (Form, Health, Vigour)			Eight (8) Douglas-fir and three (3) cedar have been marked for retention within the block.			

Additional Comments

--	--

SOIL ASSESSMENT

SU	HAZARD RATINGS			SOIL DISTURBANCE				SOIL CHARACTERISTICS			
	Soil Comp.	Soil Erosion	Soil Disp.	Max Allow Soil Dist %	Max Allow Max Amount TAS may exceed MASD prior	Max Allow Perm Access Structures %	MASD for Roadside work areas %	Depth to Unfavorable Subsoil		Type of Unfavorable Subsoil	Sediment Delivery Risk (Comm. Watershed)
								Min (cm)	Max (cm)		
1	M	M	M	10.0		7.0	25.0	45.0	60.0	Compacted Materials	
SU	Critical site conditions that affect the timing of operations and how they affect the timing										
1	Drier weather harvest preferred.										

SU MANAGEMENT COMMENTS

SU	SU Description
1	SU 1 makes up all of NAR of the block and consists primarily site series 01 with small unmappable areas of site series 06.

SOIL MANAGEMENT COMMENTS

Soil Conservation
The soil disturbance limit for block C4F6 is 10% and 25% for roadside work areas.
The calculated permanent access strucutre (PAS) area is 1.2ha (5.2%).
Adhere to BCTS TSG rainfall shutdown guidelines for Zone 1 - 12mm in 24 hours.
Adhere to all road deactivation requirements contained in the applicable road permit for this licence.
Temporary Access
No temporary access structures are planned for this block.
Slope Instability
No signs of slope instability were observed within block C4F6 which is located on gentle slopes.

RIPARIAN ASSESSMENTS					
Management Strategies					
<p>There are no fish bearing streams located within or adjacent to block C4F6.</p> <p>Adhere to stream falling, yarding and cleaning prescriptions.</p> <p>Where fall and/or yard across is permitted: Limit machine traffic through and around the stream; Fall and yard away as much as possible; and, Minimize introduced debris.</p>					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
NCD 3 NCD	RMZ		0.0		Fall and yard across where necessary. Minimize machine crossings.
NCD 1 NCD	RMZ		0.0		Outside of harvest area.
NCD 2 NCD	RMZ		0.0		Fall and yard across where necessary.


COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION		
Retain a minimum of 4 logs/ha each being at least 5m in length and 30 cm in diameter at one end. These logs should come from the existing stand, not from existing CWD. Retaining larger sized CWD evenly distributed throughout the block is the preferred outcome.		
Performance Std. (%) :	Block Target (%):	Coarse Woody Debris (m3/ha):

DEFINITIONS

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

Print off the PAS/TAS table located as an attachment on the Block Details Screen and attach to this prescription.

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
Erik Holbek	
DATE SIGNED	
February 26, 2018	
I certify I personally completed the work described herein.	

SILVICULTURE PLAN

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G041C4F6	BC4F6		Sechelt	West Sechelt	49 29 45 / 123 50 27

ECOLOGICAL INFORMATION

SU	Ecology Unit	Area	Zone	Subzone	Variant / Phase	Site Series (series - %)	Elevation Avg (m)	Slope Avg (%)	Aspect	Slope Position	Rooting Depth (cm)	Soil Texture
1	1	19.2	CWH	xm	1	01-80 06-20	230	13	V	Rolling	45	

STOCKING REQUIREMENTS				
ASSESSMENT DATES				
Standard Unit	Standards ID	Regen Delay (yrs)	Freegrow Early (yrs)	Freegrow Late (yrs)
1	1008254	4		20
Min/Max Elevation Regime: 220 / 240				

SU : 1 REGENERATION LAYER													
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)				MAX CONIFEROUS (sph)			
Species		Min Ht. (m)	Footnotes	Species		Min Ht. (m)	Footnotes	Min		Max			
Fdc Douglas Fir - Coastal	3.0		Cw Western Red Cedar	1.5		WELL SPACED TREES (sph)							
						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)				
						900	500	400	2.0				
										Height Relative to Competition (%)			
										150			

OTHER REQUIRED STOCKING INFORMATION

ACTIVITIES


SILVICULTURE ACTIVITY COMMENTS	
ACTIVITY	COMMENT
Planting	Plant promptly following harvest with 412A or larger stock. Recommended planting density and species composition is 1200 sph and 80% Fd and 20% Cw. Concentrate Cw adjacent to wet/lower lying areas and minimize mixing of Fd and Cw due to differential growth rates.

MANAGEMENT STRATEGY

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION		
Retain a minimum of 4 logs/ha each being at least 5m in length and 30 cm in diameter at one end. These logs should come from the existing stand, not from existing CWD. Retaining larger sized CWD evenly distributed throughout the block is the preferred outcome.		
Performance Std. (%):	Block Target (%):	Coarse Woody Debris (m3/ha):

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
Erik Holbek	
DATE SIGNED	
February 26, 2018	
I certify I personally completed the work described herein.	



TENURE IDENTIFICATION

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G041C4F9	BC4F9		Sechelt	Sechelt	49 29 05 / 123 50 18

AREA UNDER THE PLAN

GROSS AREA (TAUP)	PAS	NP	WTRA / WTP	RESERVES	OTHER	NAR
32.4	2.1	0.5	3.6	0.5	0.0	25.7

ADDITIONAL COMMENTS

OTHER RESOURCES
This SP is consistent with the BCTS FSP for the Sunshine Coast Operating area approved February 8, 2007 and consolidated to amendment #4 dated March 2, 2012 and minor amendment #5 dated March 28, 2012.

SOIL DISTURBANCE

SU	Max. Allowable Soil Disturbance (%)	Max. Amount TAS May Exceed MASD Prior To Rehab (%)	Max. Allowable Soil Disturbance For Roadside Work Areas (%)	Maximum Permanent Access Structures (%)
1	10.0		25.0	7.0
SU	CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING			
1	There are no timing constraints associated with this block.			

RESULTS AND STRATEGIES

Biodiversity Objectives	
Result or Strategy Description	1.3.1.1.1-4 Objective 1 (FDU Chapman, Bunster, Sechelt, Lois)
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	OGMAs have been designated as part of the Sechelt Landscape Unit Plan, dated Nov. 25, 2002. There are no OGMA's within the vicinity of block C4F9.
Result or Strategy Description	1.3.1.1.1-4 Objective 2 (FDU Chapman, Bunster, Sechelt, Lois)
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Stand level biodiversity is maintained through the retention of wildlife tree retention areas (WTRA). The WTRA retention target for CWHxm in the Sechelt Landscape Unit is 10%. Block C4F9 contains 3.6 ha (11.1%) of representative wildlife tree retention area.</p> <p>As per the approved FSP, the designated WTRA area which is located adjacent to the northwest boundary, contains:</p> <p>a) live or dead veteran trees; b) larger trees for the stand and moderate to high value wildlife trees; c) a representative component of the stand to be harvested; and d) a component of the upper 10% of the diameter range of trees in the stand to be harvested.</p>
Result or Strategy Description	1.3.2.5 FPPR s.9 Wildlife and Biodiversity at Landscape Level. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Landscape level biodiversity is addressed through FPPR s.64 and s.65 as outlined in the FSP.</p> <p>Maximum cutblock size in the Coast Forest Region is 40ha as per FPPR s.64(1)(a). The net area to be reforested for block C4F6 is 25.7 ha and existing cut blocks adjacent to block C4F9 meet the requirements of FPPR s.65(3)(a).</p>
Result or Strategy Description	1.3.2.5 FPPR s.9.1 Wildlife and Biodiversity at Stand Level. FDU All
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Stand level biodiversity is maintained through the retention of wildlife tree retention areas (WTRA). The WTRA retention target for CWHxm in the Sechelt Landscape Unit is 10%. Block C4F9 contains 3.6 ha (11.1%) of representative wildlife tree retention area.</p> <p>As per the approved FSP, the designated WTRA area which is located adjacent to the northwest boundary, contains:</p> <p>a) live or dead veteran trees; b) larger trees for the stand and moderate to high value wildlife trees; c) a representative component of the stand to be harvested; and d) a component of the upper 10% of the diameter range of trees in the stand to be harvested.</p>
Result or Strategy Description	1.3.1.2 Order Establishing Non-Spatial Old Growth Objectives. FDU Deserted, Haslam, Homfray, Tahumming, Howe, Brittain, Cortes.
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Not applicable to the Sechelt FDU.

Cultural Heritage Resources	
Result or Strategy Description	1.3.2.6 FPPR s.10 Conserve or Protect Cultural Heritage Resources. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Block C4F9 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.</p> <p>A Preliminary Archeological Field Reconnaissance has been completed for Block C4F9. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.</p> <p>No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.</p>
Recreation Resources	
Result or Strategy Description	1.3.3.2 Objectives set for Recreation Sites and Trails (FDUs Lois, Bunster, Sechelt)
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	There are no designated recreation trails or sites located within or adjacent to block C4F9. A non-designated recreation trail exists within the western harvest polygon and runs from a private residence, east through the harvest area, and then south and west adjacent to Stream 2A/2. This trail will be felled and yarded across where it is within the block but will not be impacted where it is located adjacent to Stream 2A/2.
Riparian Management	
Result or Strategy Description	1.3.2.3 FPPR s.12(3). Retention in a Riparian Management Zone. FDU All
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Classification of streams within and adjacent to block C4F9 is specified within this plan and is consistent with the approved BCTS Sunshine Coast FSP.
Result or Strategy Description	1.3.2.3 FPPR s.47,48,49. Stream, Lake and Wetland Riparian Classes. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Tree retention within each riparian management zone in block C4F9 is specified within this plan and is consistent with the approved BCTS Sunshine Coast FSP.
Result or Strategy Description	1.3.2.3 FPPR s.50,51,52(2). Restrictions in RMA's, RMZ's, and RRZ's. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Restrictions within RMAs (RMZ's, and RRZ's) are consistent with FPPR s. 50, 51, and 52(2) as specified in the approved BCTS Sunshine Coast FSP.
Soil Objectives	
Result or Strategy Description	1.3.2.1 Conserve Productivity and Hydrological Function of Soils. FDU All
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Prescribed soil disturbance limits and permanent access structure limits within block C4F9 are consistent with s.35 and s.36 of the FPPR as specified in the approved BCTS Sunshine Coast FSP.
Visual Objectives	
Result or Strategy Description	1.3.3.1 FRPA s.181 Visual Quality Objectives for scenic areas. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	<p>Block C4F9 is located within visual landscape polygons 1295 and 1350, which have a visual quality objective (VQO) of partial retention (PR) and also partially within polygon 1356, which has a VQO of retention (R).</p> <p>Retention is defined as an altered forest landscape that, when assessed from a significant public viewpoint, is difficult to see, small in scale and natural in appearance. Openings with a PR VQO can be easy to see, small to medium in scale and must be natural and not geometric in shape. Significant public viewpoints related to this block are Highway 101, the town of Sechelt and the Strait of Georgia.</p> <p>Elevation differences and retained timber adjacent to the block will screen this block entirely from viewpoints on Highway 101 and within Sechelt. Vertical relief within the R polygon does not exceed 20m and retained timber to the south of C4F9 will screen all of the harvest area within the R polygon from viewpoints in the Strait of Georgia. Small portions of the north end of the block (PR VQO) between FC 6 and FC 22 that rise above 220m elevation may be partially visible from the Strait of Georgia but will be small in scale and not geometric or rectilinear in shape. This block will meet the assigned VQO's.</p> <p>Due to the topographic screening of this block a formal visual impact assessment was not deemed necessary.</p>
Water Management Objectives	
Result or Strategy Description	1.3.2.4 FPPR s.8.2 Community Watershed. FDU Sechelt, Chapman, Howe, Lois, Bunster, Haslam.
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Block C4F9 is not located within a community watershed.


Wildlife Objectives	
Result or Strategy Description	1.3.2.2 FPPR s.7 Coastal Tailed Frog. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Coastal Tailed Frog - No Coastal Tailed Frog specimens or breeding habitat (permanent, clear, fast flowing streams) were identified in this block during fieldwork.
Result or Strategy Description	1.3.2.2 FPPR s.7 Marbled Murrelet. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Marbled Murrelet - There are no areas of designated Class 1, 2, or 3 Marbled Murrelet habitat, or stands of age class 8 or 9 with a height class of 4 or better within the planned harvest area. No marbled murrelet specimens or habitat were identified in this block during fieldwork.
Result or Strategy Description	1.3.2.2 FPPR s.7 Mountain Goat. FDU All.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Mountain Goat - No timber harvesting or road construction is planned within a draft UWR polygon. No mountain goats or goat habitat were identified in the harvest area during fieldwork.
Result or Strategy Description	1.3.2.2 FPPR s.7 Queen Charlotte (Northern) Goshawk. FDU Chapman, Howe, Bunster, Haslam, Homfray, Cortes, Sechelt, Lois.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Queen Charlotte Goshawk - No timber harvesting or road construction is planned in an area that has an active nest and meets the amount, distribution, attributes and characteristics described in the Notice for the Sunshine Coast Forest District (dated March 2, 2006) for Queen Charlotte Goshawk or in an area identified by BCTS as an interim management area for Queen Charlotte Goshawk.
Result or Strategy Description	1.3.2.2 FPPR s.7 Grizzly Bear. FDU Deserted, Homfray, Brittain, Tahumming
Applies:	NO
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	Does not apply to the Sechelt FDU.

STOCKING REQUIREMENTS

SU	NAR	STANDARDS ID #	OTHER PERFORMANCE STANDARDS
1	25.7	1008254	(HW24) ; HW-suitable (as a major species) in wetter portion of biogeoclimatic unit; (PW31) ; PW-risk of white pine blister rustSee FSP for additional rules for modifying stocking standards.

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

RPF PRINTED NAME		RPF'S SIGNATURE and SEAL	
Erik Holbek			
DATE SIGNED			
March 20, 2018			
I certify I personally completed the work described herein.			

Map attached forms an integral part of the site plan.

SUPPORT DOCUMENT

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G041C4F9	BC4F9		Sechelt	Sechelt	49 29 05 / 123 50 18

ASSESSMENTS

VISUAL IMPACT ASSESSMENT INFORMATION					
<p>Block C4F9 is located within visual landscape polygons 1295 and 1350, which have a visual quality objective (VQO) of partial retention (PR) and also partially within polygon 1356, which has a VQO of retention (R).</p> <p>Retention is defined as an altered forest landscape that, when assessed from a significant public viewpoint, is difficult to see, small in scale and natural in appearance. Openings with a PR VQO can be easy to see, small to medium in scale and must be natural and not geometric in shape. Significant public viewpoints related to this block are Highway 101, the town of Sechelt and the Strait of Georgia.</p> <p>Elevation differences and retained timber adjacent to the block will screen this block entirely from viewpoints on Highway 101 and within Sechelt. Vertical relief within the R polygon does not exceed 20m and retained timber to the south of C4F9 will screen all of the harvest area in this area from viewpoints in the Strait of Georgia. Small portions of the north end of the block (PR VQO) between FC 6 and FC 22 that rise above 220m elevation may be partially visible from the Strait of Georgia but will be small in scale and not geometric or rectilinear in shape. This block will meet the assigned VQO's.</p> <p>Due to the topographic screening of this block a formal visual impact assessment was not deemed necessary.</p>					
PEST INCIDENCE SURVEY INFORMATION					
Pest Specific Comments					
N/A					
Forest Health Comments					
No forest health concerns were identified within block C4F9.					
ARCHAEOLOGICAL IMPACT ASSESSMENT INFORMATION					
<p>Block C4F9 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.</p> <p>A Preliminary Archeological Field Reconnaissance has been completed for Block C4F9. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.</p> <p>No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.</p>					
TERRAIN STABILITY FIELD AND GULLY ASSESSMENTS INFORMATION					
Terrain Stability Comments					
<p>No signs of slope instability were observed within block C4F9 which is located on gentle slopes. Potential for rock fall from bluffs exists in the vicinity of FC 38 to FC 40.</p> <p>Gully Comments</p> <p>There are no gullies within block C4F9.</p>					
VEGETATION					
<p>Post harvest brush competition is expected to be low.</p> <p>Plant in the first spring following harvest, monitor and treat brush competition as required during early seedling establishment.</p>					

RIPARIAN ASSESSMENTS					
Management Strategies					
<p>Streams 2 and 2A have been identified as fish bearing (cutthroat trout). These streams have 20m reserve zones and are located outside of the block.</p> <p>Adhere to stream falling, yarding and cleaning prescriptions.</p> <p>Where fall and/or yard across is permitted: Limit machine traffic through and around the stream; Fall and yard away as much as possible; and, Minimize introduced debris.</p>					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
Stream 1 NCD	RMZ		0.0		Located outside of the block.
Stream 2A S3	RMZ		20.0		Fall and yard away. Harvest the RMA where it is within the block.
	RRZ		20.0		
Stream 2 S3	RMZ		20.0		Fall and yard away. Harvest the RMA where it is within the block.
	RRZ		20.0		

SOIL ASSESSMENT							
HAZARD RATINGS				SOIL CHARACTERISTICS			
SU	Soil Comp	Soil Erosion	Soil Disp	Depth To Unfavourable Subsoil		Type of Unfavourable Subsoil	Sediment Delivery Risk (Community Watersheds)
				Min(cm)	Max(cm)		
1	M	L	M	70.0	80.0	C	
COMMENTS							
The soil disturbance limit for block C4F9 is 10% and 25% for roadside work areas.							
The calculated permanent access strucutre (PAS) area is 2.1 ha (6.5%).							
Adhere to BCTS TSG rainfall shutdown guidelines for Zone 1 - 12mm in 24 hours.							
Adhere to all road deactivation requirements contained in the applicable road permit for this licence.							

RESERVE / RETENTION INFORMATION

WTRA / WTP (INSIDE OR ATTRIBUTED TO THE BLOCK)						
I.D.#	Area	Description				
WTRA	3.6	WTRA is designated adjacent to NCD 1 and encompasses stands representative of the harvest area as well as two non-classified wetland areas. Two potential bear dens were also identified within the WTRA area.				
OTHER RESERVE AREAS (INSIDE OR ATTRIBUTED TO THE BLOCK)						
I.D.#	Area	Description				
RET	0.5	Timber leave areas have been located adjacent to non-classified wet areas within the block and three additional leave areas have been located in the eastern half of the block.				
GROUP WTRA / WTP AND SITE DEG. CALCULATION (to be retained on the first block of the Permit only)						
Block	Gross Cutblock Area	WTRA / WTP	%	BEC	Perm Access	%
G041C4F6	23.3	2.5	10.7	CWH/xm/1	1.2	5.2
G041C4F9	32.4	3.6	11.1	CWH/xm/1	2.1	6.5
G051C4F5	7.2	0.7	10.0	CWH/xm/1	0.4	5.5
Total # of Blocks: 3	62.9	6.8	10.8		3.7	5.9

SUPPORTING INFORMATION

HLP/FSP CONSIDERATIONS
Wildlife/Endangered Species Comments
<p>The Sunshine Coast Forest District's Forest Stewardship Plan states Results and Strategies for Species At Risk and Winter Survival of Specified Ungulate Species. The following species were considered during the preparation of this SP.</p> <p>Marbled Murrelet - There are no areas of designated Class 1, 2, or 3 Marbled Murrelet habitat, or stands of age class 8 or 9 with a height class of 4 or better within the planned harvest area. No marbled murrelet specimens or habitat were identified in this block during fieldwork.</p> <p>Coastal Tailed Frog - No Coastal Tailed Frog specimens or breeding habitat (permanent, clear, fast flowing streams) were identified in this block during fieldwork.</p> <p>Red Legged Frog and Western Toad - No Red Legged Frogs or Western Toads were identified within block C4F9. Based on the Small Wetland and Amphibian Assessment Field Card (Wind, 2008) the four non-classified wetlands within the block were determined to have a low probability of being breeding habitat.</p> <p>Queen Charlotte Goshawk - No Queen Charlotte Goshawk specimens or nests were identified in this block during fieldwork.</p> <p>Mountain Goat - No mountain goats or habitat were identified in this block during fieldwork.</p>
Range Comments
N/A
Fisheries Comments
Streams 2 and 2A were determined to be fish bearing (M.C. Wright, 2017). The riparian reserve zone and the majority of the riparian management zone are excluded from the block.
Watersheds/Hydro Assessments Comments
Block C4F9 is not located within a community watershed.
Sensitive Areas Comments
N/A
Recreation Comments
<p>There are no designated recreation trails or sites located within or adjacent to block C4F9.</p> <p>A non-designated recreation trail exists within the western harvest polygon and runs from a private residence, east through the harvest area, and then south and west adjacent to Stream 2A/2. Fall and yard away from this trail as much as possible. Where the trail is located near road Trout2-003 yarding, processing and loading will impact the trail.</p> <p>Re-establish the trail immediately following harvest by machine cleaning large woody debris and processor accumulations and hand cleaning debris from the trail surface and within 1.0m of the trail. If roadside debris makes re-establishment of some section impractical the trail may be re-routed further to the north to connect re-established sections.</p>
Cultural Heritage Comments
<p>Block C4F9 is located within the traditional territory of the Sechelt (Shishalh) First Nation and is composed of second growth timber including Douglas fir, western hemlock and red cedar with scattered veteran fir and cedar.</p> <p>A Preliminary Archeological Field Reconnaissance has been completed for Block C4F9. No further archaeological work was recommended for the proposed developments. Prior to the start of any operations related to this block, all issues arising from consultation with Shishalh First Nation with respect to this block must be addressed.</p> <p>No evidence of archaeological sites or cultural heritage features were noted during fieldwork. If, during road construction or harvesting, any evidence of traditional use or archaeological features are found, stop work and notify the timber sale manager.</p>
Biodiversity Emphasis/L.U. Comments
<p>Stands in block C4F9 are primarily between 120 and 130 years of age with some older and younger cohorts as well as scattered veteran Douglas-fir that are estimated to be over 250 years old.</p> <p>Canopy closure is relatively uniform with low to moderate understory vegetation cover. Where understory vegetation is developed it is dominated by salal (Gaultheria shallon).</p> <p>The BC Species and Ecosystems Explorer indicates that this site has the potential to support the red listed western hemlock - Douglas-fir / Oregon beaked-moss (CWH xm1 01). These communities are not present in a climax condition within block C4F9 but have the potential to develop within areas retained for stand level biodiversity (WTRA). These plant communities are not designated as species at risk under the Identified Wildlife Management Strategy.</p> <p>Veteran trees have been marked for retention where operationally practicable and will provide structural diversity as well as wildlife tree and coarse woody debris recruitment.</p>
Other Resources Comments
<p>INVASIVE PLANTS MANAGEMENT</p> <p>Invasive plant species including Himalayan blackberry and Scotch broom occur along the Highway 101 corridor and the Trout 1 access roads.</p> <p>Grass seed contiguous ares of exposed soils that exceed 0.1 ha with preferred seed within one year of harvest completion.</p> <p>Preferred seed is described in the FSP as follows: a) high sod-forming content, except in areas that are planted with tree seedlings; b) has been certified by the Canadian Seed Growers Association that the seed; i) meets Common #1 Forage Grade or better standards for varietal purity established by the Association for seed of that kind of species (Seeds Act, Seeds Regulation S. 2(1)); and ii) is of native origin.</p> <p>Clean all equipment prior to transport to Block C4F9.</p>
ADDITIONAL COMMENTS:

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

HARVEST PLAN

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G041C4F9	BC4F9		Sechelt	Sechelt	49 29 05 / 123 50 18

SILVICULTURE SYSTEMS

SU	SYSTEM	VARIANT	PHASE	RESERVE	Min BA (m2/ha)	Min Residual Density (sph)
1	CCRES		REMOV			
Current Stand Structure/Site Conditions			Block C4F9 is composed of second growth Fd(CwHw) stands with scattered Douglas-fir veterans.			
Silviculture Systems SU Comments						
Min. Characteristics of Leave Trees (Form, Health, Vigour)			Veteran and large diameter second growth Douglas-fir and cedar have been marked for retention where operationally practicable. A total of twenty-nine (29) Douglas-fir and three (3) cedar have been marked.			

Additional Comments

--	--

SOIL ASSESSMENT											
SU	HAZARD RATINGS			SOIL DISTURBANCE				SOIL CHARACTERISTICS			
	Soil Comp.	Soil Erosion	Soil Disp.	Max Allow Soil Dist %	Max Allow Max Amount TAS may exceed MASD prior	Max Allow Perm Access Structures %	MASD for Roadside work areas %	Depth to Unfavorable Subsoil		Type of Unfavorable Subsoil	Sediment Delivery Risk (Comm. Watershed)
								Min (cm)	Max (cm)		
1	M	L	M	10.0		7.0	25.0	70.0	80.0	Compacted Materials	
SU	Critical site conditions that affect the timing of operations and how they affect the timing										
1	There are no timing constraints associated with this block.										
SU MANAGEMENT COMMENTS											
SU	SU Description										
1	SU 1 makes up all of block C4F9 and consists predominantly of site series 01. Pockets of richer, wetter (05) areas exist in depressions and within riparian areas while some drier, poorer areas exist on the margins of the block where soils are shallower soils over bedrock are rapidly drained.										

SOIL MANAGEMENT COMMENTS											
Soil Conservation											
The soil disturbance limit for block C4F9 is 10% and 25% for roadside work areas.											
The calculated permanent access strucutre (PAS) area is 2.1 ha (6.5%).											
Adhere to BCTS TSG rainfall shutdown guidelines for Zone 1 - 12mm in 24 hours.											
Adhere to all road deactivation requirements contained in the applicable road permit for this licence.											
Temporary Access											
No temporary access structures are planned for this block.											
Slope Instability											
No signs of slope instability were observed within block C4F9 which is located on gentle slopes. Potential for rock fall from bluffs exists in the vicinity of FC 38 to FC 40.											

RIPARIAN ASSESSMENTS					
Management Strategies					
<p>Streams 2 and 2A have been identified as fish bearing (cutthroat trout). These streams have 20m reserve zones and are located outside of the block.</p> <p>Adhere to stream falling, yarding and cleaning prescriptions.</p> <p>Where fall and/or yard across is permitted: Limit machine traffic through and around the stream; Fall and yard away as much as possible; and, Minimize introduced debris.</p>					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
Stream 1 NCD	RMZ		0.0		Located outside of the block.
Stream 2A S3	RMZ		20.0		Fall and yard away. Harvest the RMA where it is within the block.
	RRZ		20.0		
Stream 2 S3	RMZ		20.0		Fall and yard away. Harvest the RMA where it is within the block.
	RRZ		20.0		


COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION		
Retain a minimum of 4 logs/ha each being at least 5m in length and 30 cm in diameter at one end. These logs should come from the existing stand, not from existing CWD. Retaining larger sized CWD evenly distributed throughout the block is the preferred outcome.		
Performance Std. (%) :	Block Target (%):	Coarse Woody Debris (m3/ha):

DEFINITIONS

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

Print off the PAS/TAS table located as an attachment on the Block Details Screen and attach to this prescription.

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
Erik Holbek	
DATE SIGNED	
March 20, 2018	
I certify I personally completed the work described herein.	

SILVICULTURE PLAN

ORIGINAL

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
A95107	-	G041C4F9	BC4F9		Sechelt	Sechelt	49 29 05 / 123 50 18

ECOLOGICAL INFORMATION

SU	Ecology Unit	Area	Zone	Subzone	Variant / Phase	Site Series (series - %)	Elevation Avg (m)	Slope Avg (%)	Aspect	Slope Position	Rooting Depth (cm)	Soil Texture
1	1	25.7	CWH	xm	1	01-70 05-20 03-10	200	20	V	Rolling	70	

STOCKING REQUIREMENTS				
ASSESSMENT DATES				
Standard Unit	Standards ID	Regen Delay (yrs)	Freegrow Early (yrs)	Freegrow Late (yrs)
1	1008254	4		20
Min/Max Elevation Regime: 160 / 240				

SU : 1 REGENERATION LAYER															
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)				MAX CONIFEROUS (sph)					
Species		Min Ht. (m)	Footnotes	Species		Min Ht. (m)	Footnotes	Min		Max					
Fdc Douglas Fir - Coastal		3.0		Cw Western Red Cedar Pw Western White Pine Hw Western Hemlock		1.5 2.5 2.0		WELL SPACED TREES (sph)							
								Target Pref/Acc		Minimum Pref/Acc		Minimum Pref		Min Horizontal Dist. Pref/Acc (m)	
								900		500		400		2.0	
												Height Relative to Competition (%)			
				150											

OTHER REQUIRED STOCKING INFORMATION

ACTIVITIES


SILVICULTURE ACTIVITY COMMENTS	
ACTIVITY	COMMENT
Planting	Plant promptly following harvest with 412A or larger stock. Recommended planting density and species composition is 1200 sph and 80% Fd and 20% Cw. Concentrate Cw adjacent to wet/lower lying areas and minimize mixing of Fd and Cw due to differential growth rates.

MANAGEMENT STRATEGY

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION		
Retain a minimum of 4 logs/ha each being at least 5m in length and 30 cm in diameter at one end. These logs should come from the existing stand, not from existing CWD. Retaining larger sized CWD evenly distributed throughout the block is the preferred outcome.		
Performance Std. (%):	Block Target (%):	Coarse Woody Debris (m3/ha):

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL		NO

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
Erik Holbek	
DATE SIGNED	
March 20, 2018	
I certify I personally completed the work described herein.	