



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

SP ORIGINAL DATE: \_\_\_\_\_  
 SP AMENDMENT #: \_\_\_\_\_  
 SP AMENDMENT DATE: \_\_\_\_\_

## SITE PLAN

### BLOCK IDENTIFICATION

LICENCE NO.: <b>K3F</b>	FDU: <b>CFA</b>	LOCATION: <b>East Wilson Creek</b>	OPENING NUMBER: <b>92G042 -</b>	BLOCK NUMBER: <b>EW007C</b>
LATITUDE: Deg: <b>49</b> Min: <b>28' 13"</b>		LONGITUDE: Deg: <b>123</b> Min: <b>43' 2"</b>		UTM: Zone: <b>10</b> East: <b>448028</b> North: <b>5479977</b> NAD: <b>83</b>
SEED PLANNING ZONE: <b>Maritime</b>	ELEVATION RANGE: <b>160 - 190 m</b>	AIR PHOTO No's:	ASPECT: <b>SW</b>	TOTAL AREA UNDER THE PLAN (ha): <b>6.2</b>

### ECOLOGICAL CLASSIFICATION AND AREA SUMMARY (FPPR 34(1)(a))

Area Classification								Area Summary (ha)					
SU	Standards ID	BGZ	E.A.	Moist	Nutr	Silv. System	Harv. System	Area	WTP	PAS	NP NAT	Ret. Patch	NAR
1	1020117	CWHxm	05	4	D	Retention	Ground	3.7		(0.2)			3.5
2	1020113	CWHxm	01	3	B	Retention	Ground	2.0		(0.1)			1.9
								0.5 WTP	(0.5)				
<b>Area Totals</b>								<b>6.2</b>	<b>(0.5)</b>	<b>(0.3)</b>			<b>5.4</b>

### 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	3.5	3	20	--	--	--	
2	1.9	3	20	--	--	--	
PREFERRED/ACCEPTABLE SPECIES							
SU	PREFERRED SPECIES/MINIMUM HEIGHT (m)			ACCEPTABLE SPECIES/MINIMUM HEIGHT (m)			
1	Fd/4.0 Cw/2.0			Hw / 1.8 Pw <sup>31</sup> /2.5 Bg/3.5			
2	Fd/3.0			Hw/2.0 Cw/1.5 Pw/2.5			
WELL SPACED TREES/ha							
SU	WELL SPACED TREES/ha				HEIGHT RELATIVE TO COMP (% OR cm)		
	TARGET	MINIMUM	MIN PREF	MIN HORIZ DISTANCE (m)			
1	900	500	400	2.0	150		
2	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.**

**SU1:** Cw is to be concentrated in the lower/wet area that cuts across the block past the end of Spur 7C-1, and Fd is to be planted throughout the remaining portion. The acceptable species may regenerate naturally in the new stand, but will not be planted.

**SU2:** Based on productivity of the present stand, Fd and Pw will be planted throughout. Pw<sup>31</sup> requires being rust-resistant or pruned to 1.5m prior to becoming free-growing. The remaining acceptable species may regenerate naturally in the new stand, but will not be planted.

### SOILS (FPPR Sections 34(1)(b), 35 & 36)

SITE DISTURBANCE							
SU	HAZARD RATINGS <i>(if logging methods other than cable or aerial are proposed)</i>			SOIL CHARACTERISTICS <i>(if temporary access structures are proposed)</i>			
	SOIL COMPACTION	SURFACE SOIL EROSION	SOIL DISPLACEMENT	DEPTH TO UNFAVORABLE SUBSOIL (cm)		TYPE OF UNFAVORABLE SUBSOIL	SEDIMENT DELIVERY RISK
				MIN(cm)	MAX(cm)		
1	M	M	M	60	80	Comp Till	-
2	M	M	M	30	60	Comp Till	

SOIL DISTURBANCE LIMITS (FPPR Section 35)		
SU	MAXIMUM ALLOWABLE SOIL DISTURBANCE WITHIN THE NET AREA TO REFOREST (%)	MAXIMUM EXTENT SOIL DISTURBANCE LIMITS MAY BE TEMPORARILY EXCEEDED TO CONSTRUCT TEMPORARY ACCESS STRUCTURES (%)
1	5.0	0.0
2	5.0	0.0

**COMMENTS:**

No Terrain Stability Field Assessment is required as in-block slopes are less than 60% and no areas of unstable ground were observed.

MAXIMUM PROPORTION OF TOTAL AREA UNDER PLAN ALLOWED FOR PERMANENT ACCESS (FPPR Section 36): 7%

COMMENTS (i.e., permanent structures, including existing access, roads, landings, special stream crossing, etc.):

Slopes within the opening are conducive for the use of Skidder/Feller-buncher ground based equipment. However if excessive soil disturbance occurs, skidder activity must cease until soil conditions improve (i.e. dry out); alternately, hoe-forwarding equipment may operate where required in this cutblock provided that adequate puncheon or floatation mats are utilized where soil conditions warrant such measures to prevent excessive soil disturbance.

There is a moisture receiving depression that cuts across SU1 that will collect water during the rainfall (see marsh/swamp symbol on SP map). Puncheon and machine crossings are required to be built to skid/forward wood over the wet area. Harvesting in this wetter area should be done during dry conditions so that disturbance is minimized and drainage is maintained, and are to be removed concurrent with logging. Where soil disturbance limits have exceeded 5% of the NAR, trails will be rehabilitated within one year of completion of harvesting.

PAS Calculations:

Mainline: 205m x 10m / 2 (halfwidth) = 1025m<sup>2</sup>

Spur 7C-1: 123m x 7m = 861m<sup>2</sup>

Spur 7C-2: 120m x 7m = 840m<sup>2</sup>

Total: 2726m<sup>2</sup> = 0.3 hectares

4.8% of the 6.2 ha gross block area will be occupied by permanent access structures, which conforms to the requirements of FPPR s36.

**MAXIMUM ALLOWABLE SOIL DISTURBANCE FOR ROADSIDE WORK AREAS**

ROADSIDE HARVESTING OPERATIONS, INCLUDING DECKING, PROCESSING, LOADING AND ANY ASSOCIATED DEBRIS DISPOSAL OR PILING OPERATIONS WITHIN THE NET AREA TO BE REFORESTED MUST NOT CAUSE THE AMOUNT OF SOIL DISTURBANCE TO EXCEED: 25%

### SILVICULTURE/HARVEST SYSTEMS (SCPI Internal Policy)

SILVICULTURAL SYSTEMS				
SU	SYSTEM	VARIANT	PHASE	RESERVE
1	RETEN	REMOV		Dispersed

COMMENTS:

The block will be harvested using an un-even aged Retention Silviculture System, where more than 50% of total area of the cutblock is within one tree height from the base of a tree or group of trees (=‘edge influence’), whether or not the tree or group of trees is inside the cutblock. Influence is gained from the timber along the west and south boundaries, as well as from 13 dispersed retention trees that have been marked throughout the opening. The intent of this system is to maintain structural characteristics at the stand level for at least one rotation. If an in-block marked leave tree must be must felled for safety reasons, then a replacement tree of the same species and similar size must be left in the same area.

**LEAVE TREE SPECIES AND FUNCTIONS**

**SU1:** Besides the marked retention trees, unmarked dispersed trees may be retained. These are to include small merchantable western red cedar in the 10-30cm DBH range; up to 25% of these trees to be acceptably retained. Based on biological considerations, a tree is not acceptable as a residual crop tree if it meets or exceeds the following levels of damage of Damage Type C of the Tree Wounding and Decay Guidebook for long-term retention. The leave tree is unacceptable if it has:

- a wound that girdles more than a third of the stem circumference.
- a wound exceeding 400 cm<sup>2</sup> on the stem.
- a wound on a supporting root within 1 m of the stem.
- a gouge in the stem.

**SU2:** No additional retention. Cedar present in this SU exhibit poor growth and form characteristics, and they are unacceptable as future crop trees.

**WILDLIFE (FPPR Section 7(2))**

**TAILED FROG (*Ascaphus truei*)**  
**Not applicable.** An area of Tailed Frog habitat has been identified within the Chapman Landscape Unit which fulfills the requirements of the notice for Tailed Frog. As displayed on the FSP map, this area is outside of the CFA FDU and the block is not in the vicinity of any of these areas.

**QUEEN CHARLOTTE (NORTHERN) GOSHAWK (*Accipiter gentilis laingi*)**  
**Not applicable.** 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 the vicinity of any known Goshawk habitat or nest sites.

**MARbled MURRELET (*Brachyramphus marmoratus*)**  
**Not applicable.** (1) To meet the requirements of the Section 1 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.

**COMMENTS:**  
A search through the Conservation Data Center identifies *Cuscuta campestris* (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 *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). No special management methods are prescribed.  
Evidence of Deer was observed in area. As harvesting will increase foliar browse potential, monitor browse seedling damage post harvest.

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

Stream, Wetland or Lake Identification	Riparian or Lake Class	Reserve Zone Width (m)	Management Zone Width (m)	% Basal Area Retention	Prescription

**COMMENTS:**  
There are no streams within or adjacent to the block.

### **WILDLIFE AND BIODIVERSITY – LANDSCAPE LEVEL (FPPR Sections 12.1(3), 64 & 65)**

This block (6.2 ha) in conjunction with adjacent blocks (Block EW007A to the north is net 8.2 ha) does not exceed 40 ha as specified in FPPR Sections 64(a) and 65(2)(b).  
The adjacent block to the east is greened-up in conformance with FPPR Section 65.

### **WILDLIFE AND BIODIVERSITY – STAND LEVEL (FPPR Sections 12.1(4) & 67)**

The Chapman Landscape Unit was established on December 2, 2002, as well as objectives for the LU. The Chapman Landscape Unit Plan (Dated November 25 2002) Objective 2 lists the Wildlife Tree Retention requirements for the CWH xm to be 7%.  
A 0.5 hectare WTP has been placed adjacent to the opening, for the purpose of meeting the WTP requirements, representing 8.1% of the Total Area Under Prescription.  
This Wildlife Tree Patch contains vet Fd and is representative of the adjacent stand in terms of species composition, volume, basal area and ecological classification.

### **VISUAL QUALITY (FRPA Section 181)**

The block is within a visual polygon with an established Visual Quality Objective of Partial Retention. To determine whether the opening will be visible from public viewing locations, a slope-profile assessment was generated. From locations in Trail Bay, Sechelt, and Porpoise Bay it was found that the block will not be visible, due to it being on a flat elevated plateau, as well as screening by the 30 metre tall adjacent stand. The block therefore meets the Visual Quality Objective (VQO).

### **CULTURAL HERITAGE RESOURCES (FPPR Section 10)**

**This section is to be completed once documentation corroborating the consultation requirements is received.**

An Aboriginal Interest and Use Study Report by Shishalh Nation Archaeology and Peter Merchant which found no archaeological remains, and recommended that no further archaeological inspection assessments are required. First Nation present use is low. No bark-stripped Cw were observed in and adjacent to the block. No archaeological sites or artifacts were identified during field work or during site data collection. Cw retention for cultural purposes is provided in the form of retaining mature cedars as well as small merchantable trees within the setting and WTP. As well, Cw seedlings will be planted for reforestation purposes that can assist to provide for future cultural purposes.

Should unanticipated cultural materials or features (including archaeological materials, culturally modified trees, or human remains) be encountered during timber harvesting and related activities, all work in the immediate area will cease and the appropriate First Nations groups, the Archaeology Branch and a qualified archaeologist will be contacted.

### **INVASIVE PLANTS AND RANGE BARRIERS (FPPR Sections 17 and 47)**

No invasive plants were noted during field works.

Invasive plant infestations caused by Licencee forest practices will be destroyed and measures to minimize invasive plant spread will be implemented. These measures are outlined in Section 1.6 of the Forest Stewardship Plan.

### **COARSE WOODY DEBRIS MANAGEMENT STRATEGIES (FPPR Section 68)**

A minimum of 4 logs per hectare, each being a minimum of 5m in length and 30 cm in diameter at one end, will be retained as per FPPR Section 68(a). Short term coarse woody debris objectives will be met by slash left on site after timber harvesting operations. Long term coarse woody debris objectives will be met by periodic windthrow and natural mortality of timber adjacent to the opening and the aggregate retention patch. Slash levels are anticipated to be moderate within the block.

### **MAP ATTACHMENT**

The Site Plan Map forms an integral part of this Site Plan.

### **COMMENTS**

This Site Plan is consistent with the Forest Stewardship Plan for the Probationary Community Forest Agreement (approved Dec 28, 2006).

**SIGNING AUTHORITY**

<p>Yurgen Menninga, RPF _____ RPF Signature Sechelt Community Projects Inc.</p> <p>4496 _____ RPF #</p> <p>_____ DATE</p>
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# Site Plan Map Block EW07C

## Block EW07C

Scale: 1:5,000  
 Forest Region: RCO  
 Forest District: DCK  
 Mapsheet: 92G.042  
 Location: East Wilson Creek  
 UTM Zone: 10  
 UTM Easting: 448028  
 UTM Northing: 5479977  
 Latitude: 49° 28' 12.73" N  
 Longitude: 123° 43' 02.44" W  
 TAUP (ha): 6.3 ha

## Legend

- Total Area Under Prescription (TAUP):
- Falling Boundary
  - External to Falling Bdy
  - Falling Corner
  - SP Plot
  - Standard Unit Boundary
  - Treatment Unit Boundary
  - Existing Road
  - Existing Trail
  - Proposed Roads:
    - Haul Road
    - Designated Skid Trail
    - Temporary (Rehab)
    - Backspar Trail
  - Road Chainage
  - Bridge (Existing)
  - Bridge (Proposed)
  - Culvert
  - Survey Route
  - Unclassified Road
  - Rock Outcrop Area
  - Designated Stream Crossing
  - Gravel Pit
  - Transmission Line
  - Gas Pipeline
  - Permanent Structures
  - Slide
  - Gully
  - Rock Outcrop
  - Windfall/Snag
  - Marsh/Swamp
  - Index Contour and Label
  - Intermediate Contour
  - Landing/Temporary Landing
  - Dryland Sort/Water Sort
  - Log Dump/Helipad
  - Helicopter Drop Zone
  - Geographic Centre

## Management Areas

- Riparian Stream Class-FISH:
  - (S1/S4) Sampled
  - (S1/S4) Gradient
  - (Unknown) Gradient
- Riparian Stream Class-NO FISH:
  - (S5/S6) Sampled
  - (S5/S6) Gradient
  - (Unknown) Gradient
- Non-classified Drainage
- Seepage
- Stream Class, Reach Break
- Riparian Lake (L1-L4)
- Riparian Wetland (W1-W5)
- Water Body ID #
- Retention Patch (Engineered)
- Retention Patch (Proposed)
- Dispersed Retention Trees
- Wildlife Tree Patch (WTP)
- Other Reserve
- Road Right-of-Way
- Riparian Reserve Zone
- Riparian Management Zone (if different than SU prescription)
- Ground-Based Yarding Area
- Helicopter Harvest Area
- Windthrow Management Area
- Machine Free Zone
- Special Management Zone
- Park
- Water Supply Intake
- Previous Harvest
- Community Forest Boundary
- Community Watershed
- OGMA

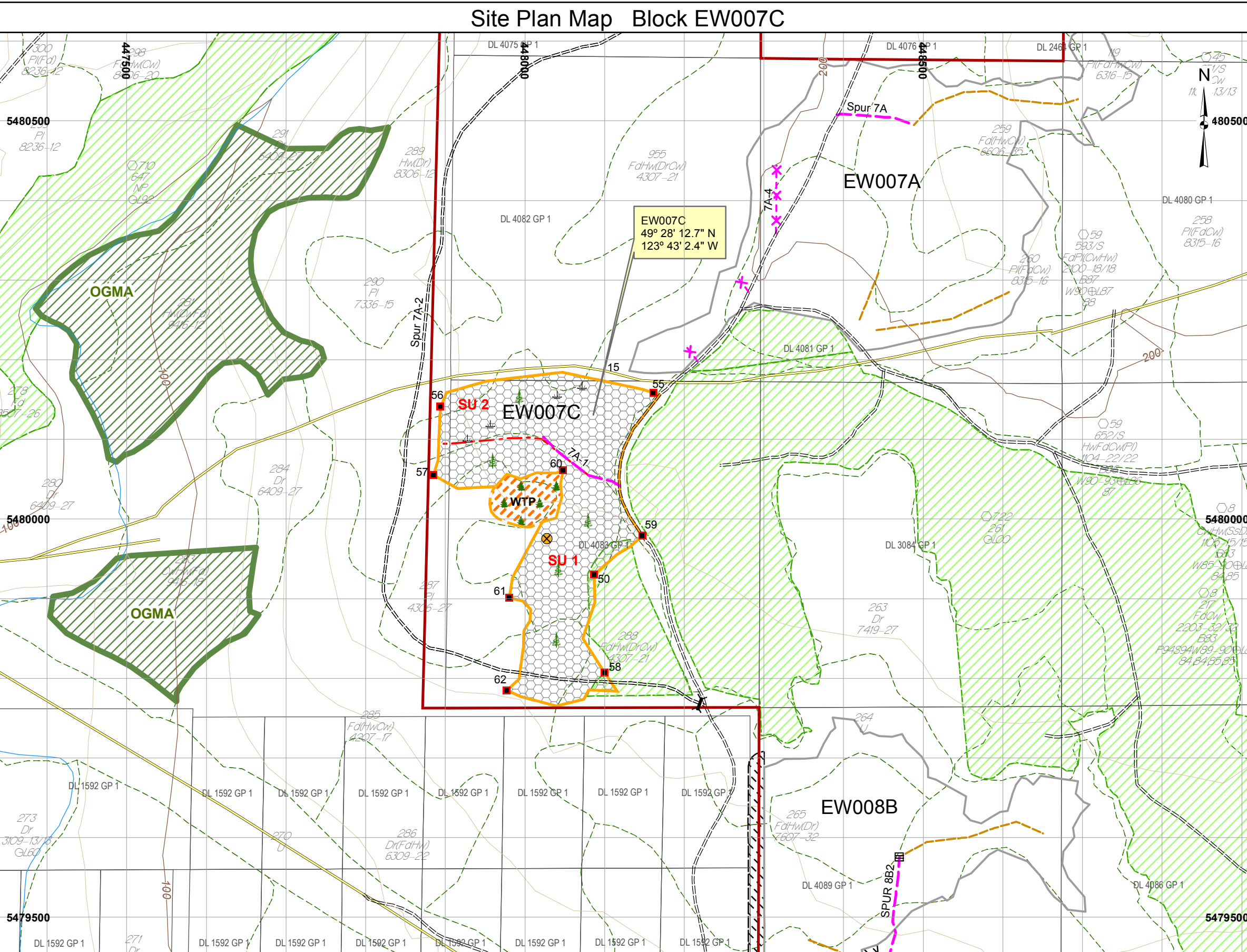
## Field Marking

- Falling Bdry: Orange Ribb. & Blazed Painted Orange
- Retention Patch: Orange Black Stripe Ribbon & Blazed Painted Orange
- Road Centre Line: Pink Ribb. & Blazed Painted Pink
- Road ROW: Orange Ribb. & Blazed Painted Orange
- Falling Corner: Blazed Painted Orange
- Dispersed Retention Trees: Orange Painted Dot Each Side & Base
- Special Mgt Zone: Green Labelled Ribbon
- Fish Stream: Red White Stripe Ribbon
- Non Fish Stream: Blue White Stripe Ribb.
- Deflection Line: Green Ribbon
- Machine Free Zone: Red Ribbon
- Cruise Tree: Blue Painted Number

## Harvest System

- Ground Based
- Skyline
- Grapple
- Harvest System Split Line
- Yarding Split Line

25m 0 25 50 100 150m  
 Scale: 1 : 5,000  
 Digital Mapping by:  
 CHARTWELL Consultants Ltd.  
 Project Number: 08-607  
 Drawn By: RO  
 Date: Oct. 31, 2008



Site Plan - Area Breakdown

Block	Standard Unit	BioGeo Subzone	Site Series	Silviculture System	Standards ID	Area (ha)							
						Gross Area	Perm. Access	WTP	Retention Patch	NP Nat.	NP Unn	NAR	
EW07C	SU1	CWHxm1	05	Clearcut	1020117	3.5	0.2						3.3
	SU2	CWHxm1	03	Clearcut	1020115	2.3	0.1						2.2
	WTP					0.5							
	NP Unn												
	<b>Total</b>					<b>6.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.5</b>

## Harvest System

(Yarding Direction)

- Ground Based
- Skyline
- High-lead
- Harvest System Split Line
- Yarding Split Line