



User Guide

Revised: May 20, 2010

Version 3.1

Block Site Plan Report

Data Entry Requirements

Document Change Control

Version	Date of Issue	Author(s)	Brief Description of Change
0.4	2005-Apr-25	SRTT, Ed Choi	Step 3: Removed note on excluding NP data for older blocks from Area Summary (SP window>Tenure tab). You may enter both productive and non-productive SUs in the Area Summary, regardless of whether the SP is already in RESULTS or not. This will have no effect on your ESF submissions.
0.1	2005-Jan-23	Silviculture Reporting Task Team Ed Choi, Chris Runnals	Original Document
0.2	2005-Feb-2	SRTT, Ed Choi	Added Overview Step 2: Specified that spatial linking of Ecology is optional. Step 3: Added Road buffer digitizing instructions.
0.3	2005-Mar-16	SRTT, Ed Choi	Added Title Page, Document Change Control. Step 1: Added a few more details on confirming block link. Step 2: Listed mandatory fields for Ecology. Clarified spatial linking of Ecology Units Step 3: Added note on RESULTS' new 4-character limit for SU labelling. Clarified spatial linking of SUs. Step 5: "If either of the or EUs or SUs are not digitized..." changed to "If the EUs are not digitized..." Step 11: Replaced "ATU" with "activity" Step 12: Replaced screenshot (previous showed incorrect ticked checkbox). Added data fields that should be filled in.

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Data Entry Requirements for Generating a Block Site Plan Report



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1.0	2007-Jun-30	C. Visslai	Review and update for consistency with Genus Ver. 8
2.0	2008-Jul-25	S. Leslie - BCTS L. Johnson - Cengea	Review and update for consistency with Resources 9.1.4.
2.1	2008-Sep-30	L. Johnson - Cengea	Updated the R&S tab screen shot; Updated the Admin tab screen shot
2.2	2008-Oct-31	L. Johnson – Cengea	Enhancements to Admin tab in the SP window.
3.0	2009-Aug-14	S. Leslie and D. Upward - BCTS R. Dominy and W. Ward- BCTS L. Johnson – Cengea	Section 13 - Silviculture Activities: removed this section as it is no longer consistent with BCTS current practices and processes. Amalgamate Data Entry Requirements and Generating user guides. Update Appendix A - Tenure Identification: FDU is populated with the FDU name instead of the FDU description.
3.1	2010-May-20	R. Dominy	Corrected wording describing which field the RPF signature name is linked to – it is the “Responsibility” on the SP Admin tab.

Data Entry Requirements for Generating a Block Site Plan Report

Purpose:

The purpose of this document is to provide a framework for entering a new Site Plan into Resources. It is designed to be used by both provincial TSO Staff and Contractors who have sufficient privileges to enter and update cut block and site plan (SP) information.

Intended Audience:

Operations Staff / Contractors involved with site plan development.

Prerequisite:

- Ensure tabular data is correct and ready for entry.
- Ensure Block boundary and SU, WTRA / WTP, Road, and Retention boundaries have been imported into the correct map layers in Resources (see appropriate spatial user guides).

Reference:

Resources Map Window User Guide

Resources GEO User Guide

Resources Silviculture User Guide



References are available on the <http://www.for.gov.bc.ca/bcts/genus/manuals.htm> web site.

Best Practice:



For most Business Areas, standard practice requires that the spatial data (cut block boundaries, ecology, and SUs) be loaded by GIS staff prior to the completion of the tabular data entry. Finalising the entry of the tabular SP data will require that the SUs and areas generated during the spatial data load are consistent with the field work that was conducted.



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Data Entry Requirements for Generating a Block Site Plan Report



1. Cut Block Details

Entering Cut Block Data

- Click  on the main toolbar to open the **Navigator** tree;
- Search for the appropriate cut block;
- Right-click and select Open to access the **Details** tab of the **Cut Block** window;
- Enter the opening number, latitude and longitude, and location in the appropriate fields;
- Enter the previous stand information in the following fields in the Previous section of the **Details** tab:
 - **Stand Type**
 - **TimberType / Order**
 - **Age Class**
 - **Hgt Class**
 - **Stk Class**
 - **Site Index**
 - **Source**
- Click  to save changes to the database.

The screenshot shows the 'Cut Block Window: Details Tab' in a software application. The window has a title bar with the path: 'Mngmt Unit: Planning Bucket / Lic: GENUS_SPDT / CP: APR-GENUS_SPDT / Mark: GENUS_SPDT / Cut Block: GENUS_SPDT'. Below the title bar is a menu bar with options: Details, Allocation, Activities, Amendments, Tasks, Actions, Cruise, Sort, Harvest Unit Inventory, Timber Developed, Stratification, Transport, and Thir... (partially visible). The main area is divided into several sections:

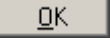
- Cut Block Identification:** Operation: Babine, Block Nbr: [empty], Block Id: GENUS_SPDT, File Id: [empty], UBI: 40BA3LE.
- Green-Up:** Green up date of Adj Block: 0000/00/00, Green-Up Date Info. source: [empty].
- Previous:** Stand Type: Mature, TimberType: [empty], Order: [empty], Age Class: 7, Hgt Class: 4, Stk Class: 1.
- Site index:** [empty], Source: E.
- Seed Zone:** Class: [empty], Species: [empty], Zone: [empty].
- Cut Block Location:** Operating Area: LAKES_SOUTH, Sub-Op. Area: << None >>, Supply Block: 3, Opening Number: 093F082_3LE, Opening ID: [empty], Photo: [empty], Prov First Conflict: Within, Gross Area (ha): 45.0, Dig: [checked].
- Miscellaneous:** Planning Status: Proposed, Traverse method: GPS, Funding Code: BC Timber Sales, Location: Ootsa FSR (LS FDU), Site Plan Exempt?: No, Category: FTSBF - SBF Entk, Harv. sequence: [empty], Block State: PP, Block Identifier for Silviculture Reporting: Block Nbr [empty] Block ID [empty].
- Comments:** Scott Leslie TEST BLK for the SITE PLAN PROJECT TEAM DO NOT DELETE.
- For Appraisal:** Attachment [empty], On Highway: [unchecked], Winter Road: [unchecked].
- FTA:** Starting Point: A, Ending Point: Z.

On the right side of the window, there is a vertical toolbar with buttons: Roads, Digitize, User Attributes, Plan, and Comment.

Figure 1 - Cut Block Window: Details Tab

Data Entry Requirements for Generating a Block Site Plan Report

Confirming Spatial Data

- Click  to open the Map Window;
- Select BLOCK in the **Application Description** drop-down list;
- Right-click in the Map Window and select Select Layers;
- Ensure the BLOCK layer class is checked off as **Active, Visible, Selectable, and Editable**;
- Click  then  to close the window;

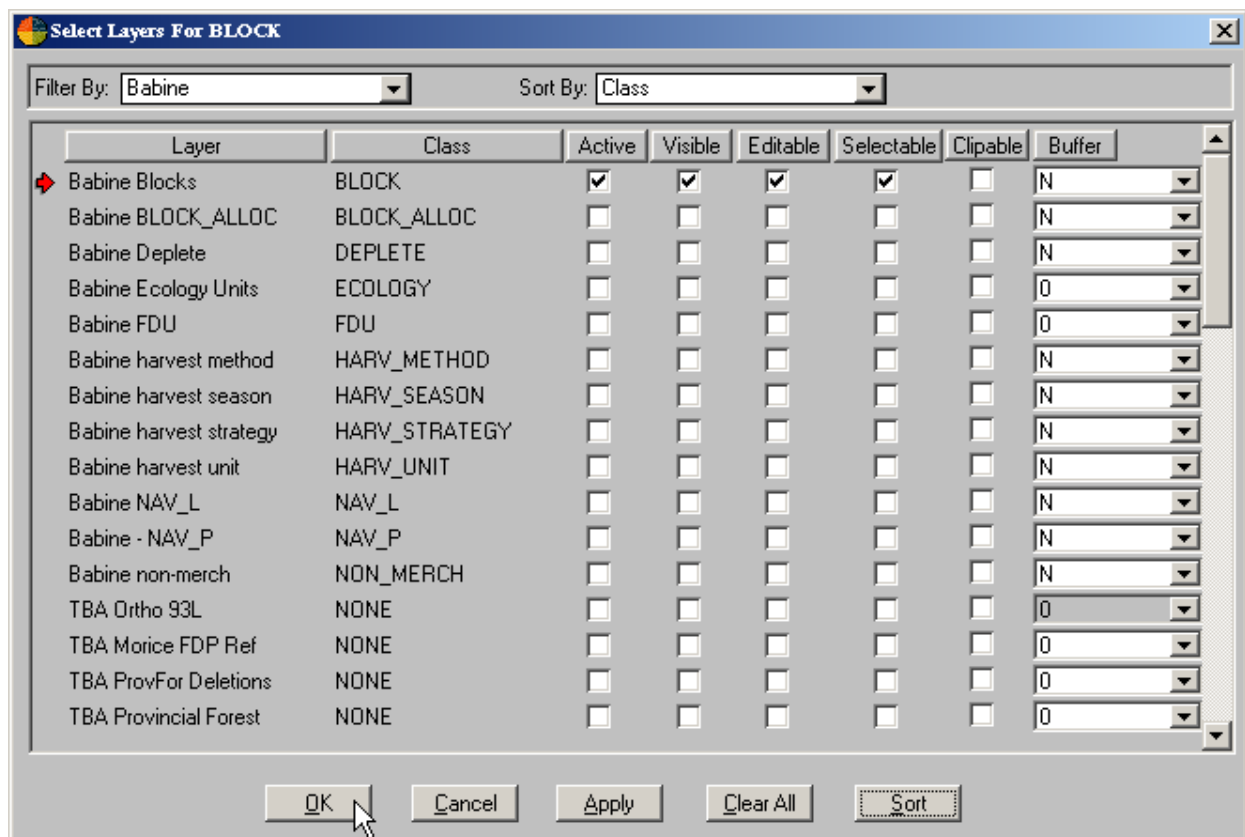


Figure 2 - Map Window: Select Layers Window

Data Entry Requirements for Generating a Block Site Plan Report

- Select Highlight in the **Map Option** drop-down list and click  to confirm the cut block is spatially linked (will become highlighted in the Map Window).

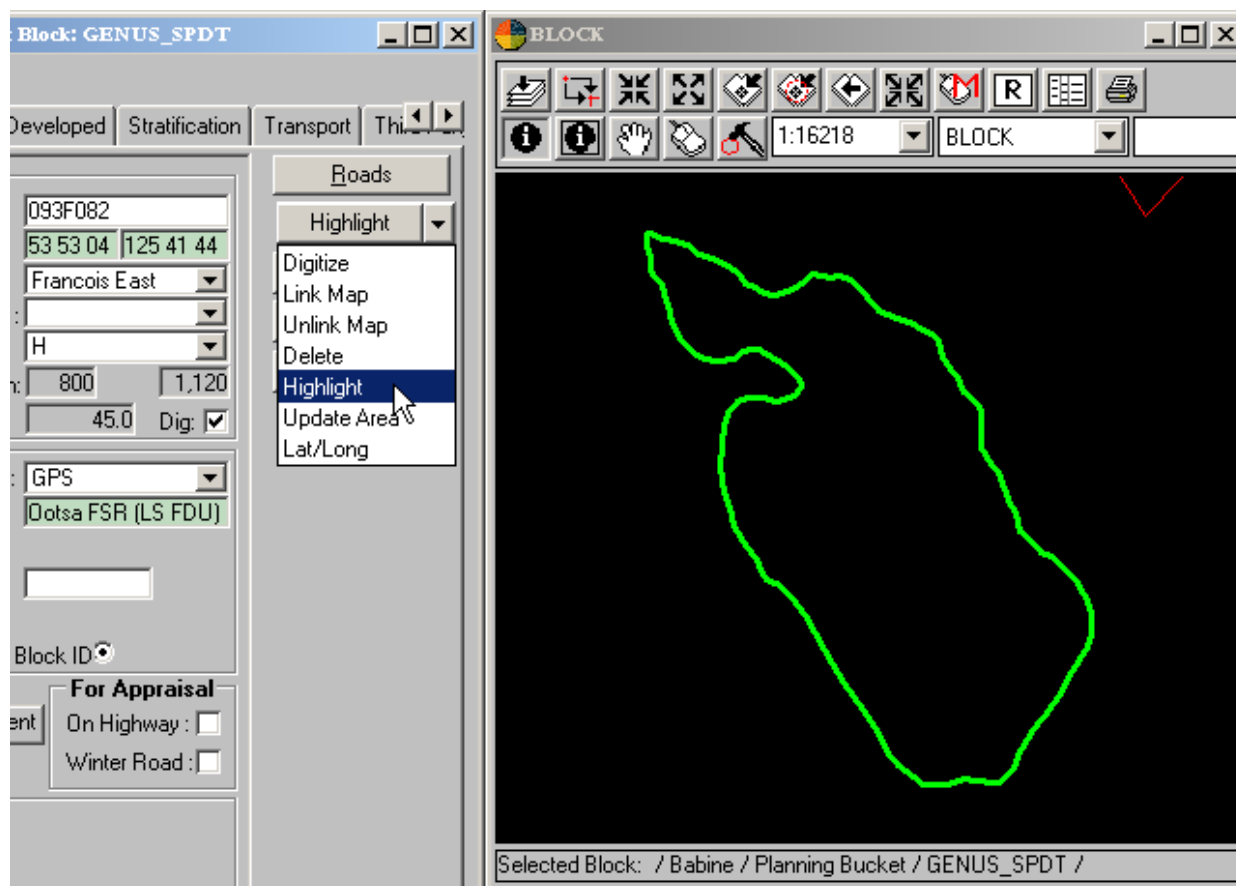


Figure 3 - Map Window: Highlighting Cut Block



Please contact the GIS technician if an incorrect cut block is highlighted or if the cut block does not highlight. This is a result of the spatial data not being linked to the tabular.

Data Entry Requirements for Generating a Block Site Plan Report



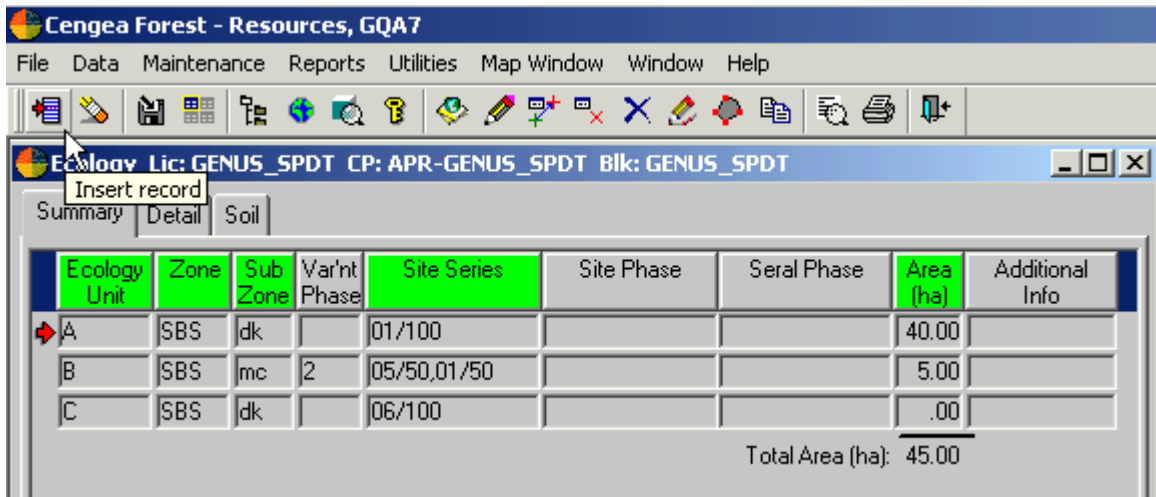
2. Ecology Units

Entering Ecology Units

- Right-click the appropriate cut block in the **Navigator** tree;
- Select Go to then Ecology from the pop-up menu;
- Click  on the main toolbar in the **Summary** tab to open the **Detail** tab;



It is recommended that ecology units should be uppercase letters (e.g., A) and productive SUs numerical (e.g., 1). A consistent naming convention should be used for new cut blocks.



The screenshot shows the 'Cengage Forest - Resources, GQA7' application window. The 'Ecology' tab is active, displaying a table of ecology units. The table has columns for Ecology Unit, Zone, Sub Zone, Var'nt Phase, Site Series, Site Phase, Seral Phase, Area (ha), and Additional Info. Three units are listed: A, B, and C. Unit A has an area of 40.00 ha, Unit B has 5.00 ha, and Unit C has .00 ha. The total area is 45.00 ha. A tooltip 'Insert record' is visible over the 'Ecology Unit' column header.

Ecology Unit	Zone	Sub Zone	Var'nt Phase	Site Series	Site Phase	Seral Phase	Area (ha)	Additional Info
A	SBS	dk		01/100			40.00	
B	SBS	mc	2	05/50,01/50			5.00	
C	SBS	dk		06/100			.00	
Total Area (ha):							45.00	

Figure 4 - Ecology Unit Window: Summary Tab

Data Entry Requirements for Generating a Block Site Plan Report

- Populate the mandatory fields in the **Detail** tab for each EU:
 - **Name**
 - **Area**
 - **Zone, Subzone, Variant** (if required), **Biogeo Region** (if required), **Site Series**



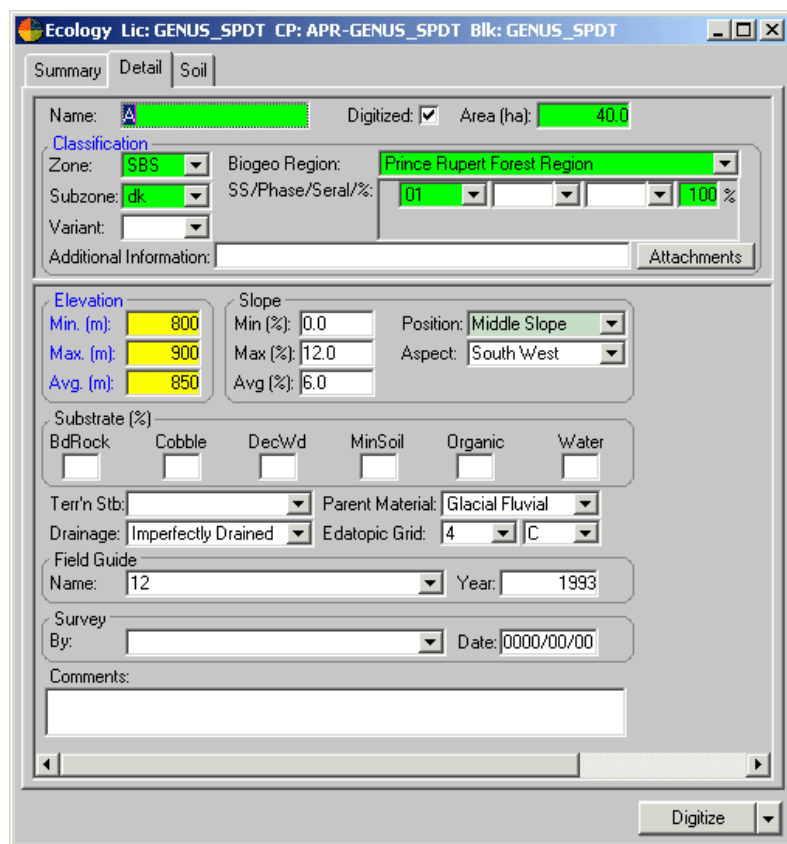
Multiple site series can be inserted for an EU by clicking  after each site series has been selected. The percentage **must** equal 100% in order to save the record.

- Elevation: **Min (m)** and **Max (m)**



The **Avg (m)** field will auto-generate, but can be overwritten.

- Click  to save changes to the database;



The screenshot shows the 'Ecology' software window with the 'Detail' tab selected. The window title is 'Ecology Lic: GENUS_SPDT CP: APR-GENUS_SPDT Bk: GENUS_SPDT'. The 'Summary' tab is also visible. The 'Detail' tab contains the following fields:

- Name:** A (text input)
- Digitized:** ☒
- Area (ha):** 40.0 (text input)
- Classification:**
 - Zone:** SBS (dropdown)
 - Biogeo Region:** Prince Rupert Forest Region (dropdown)
 - Subzone:** dk (dropdown)
 - SS/Phase/Seral/%:** 01 (dropdown), 100% (text input)
 - Variant:** (dropdown)
- Additional Information:** (text input)
- Attachments:** (button)
- Elevation:**
 - Min. (m):** 800 (text input)
 - Max. (m):** 900 (text input)
 - Avg. (m):** 850 (text input)
- Slope:**
 - Min (%):** 0.0 (text input)
 - Max (%):** 12.0 (text input)
 - Avg (%):** 6.0 (text input)
- Position:** Middle Slope (dropdown)
- Aspect:** South West (dropdown)
- Substrate (%):**
 - BdRock:** ☐
 - Cobble:** ☐
 - DecWd:** ☐
 - MinSoil:** ☐
 - Organic:** ☐
 - Water:** ☐
- Terr'n Stb:** (dropdown)
- Parent Material:** Glacial Fluvial (dropdown)
- Drainage:** Imperfectly Drained (dropdown)
- Edatopic Grid:** 4 (dropdown), C (dropdown)
- Field Guide:**
 - Name:** 12 (dropdown)
 - Year:** 1993 (text input)
- Survey:**
 - By:** (dropdown)
 - Date:** 0000/00/00 (text input)
- Comments:** (text input)
- Digitize:** (button)

Figure 5 - Ecology Unit Window: Detail Tab

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Data Entry Requirements for Generating a Block Site Plan Report



To insert each new EU the **Summary** tab must be selected and then  clicked to create a new record in the **Detail** tab.

- Select the **Soil** tab;
- Enter all known soil data;
- Click  to save changes to the database.



In the Horizons section entering 1 in the **Display Order** field is the most restrictive.

A screenshot of the "Ecology" software window, specifically the "Soil" tab. The window title bar shows "Ecology Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT". The "Summary" tab is selected, showing fields for "EU: A", "Organic Layer: Humic", and "Humus Form: Mor". Below these are sections for "Depth to (cm)" with Min/Max columns for Water, Mottles, Gleying, Bedrock, Calcar, and Compact. To the right is "Humus Depth (cm)" with Min/Max columns for L, F, and H. Further right is an "Acid" section with "Test" and "pH" dropdowns, and a "Depth" field. Below these are "Soil" and "Seepage" sections with various dropdowns and input fields. At the bottom is a "Horizons" table with columns for Horizon Modifier, Thick-ness(cm), Texture, Coarse Frag (%), Gravel <7.5cm(%), Cobble <25cm(%), Stone >25cm(%), and Displ. Order. The table contains two rows: Bt (10, SICL, 0, 0, 0, 0, 1) and Bm (5, SIC, 0, 0, 0, 0, 2). A "Digitize" button is at the bottom right.

Figure 6 - Ecology Unit Window: Soil Tab

Digitizing Ecology Units

- Click  to open the Map Window;
- Select SILVICULTURE in the **Application Description** drop-down list;
- Right-click in the Map Window and select Select Layers;
- Ensure the BLOCK, SU, and ECOLOGY layer classes are checked off as **Active, Visible, Selectable, Editable, and Clipable**;
- Click  then  to close the window;

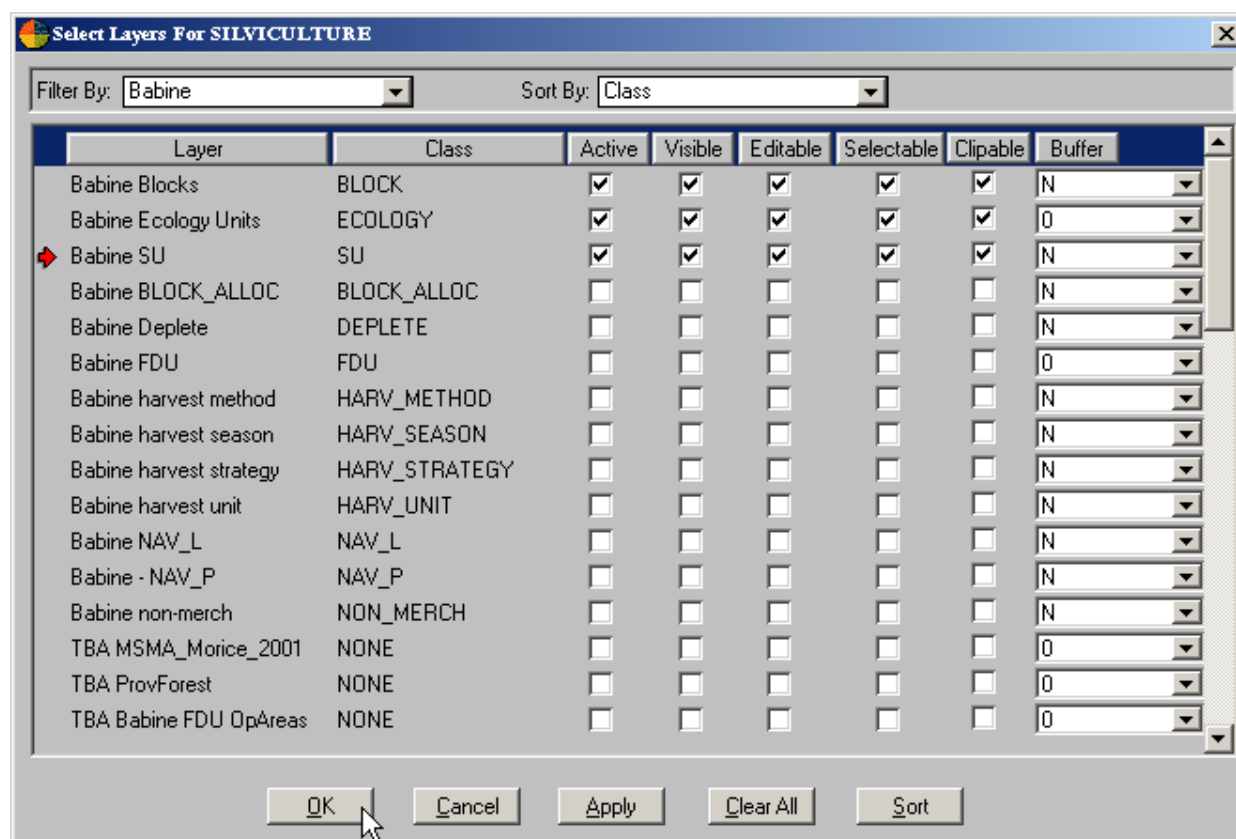


Figure 7 - Map Window: Select Layers Window



Polygons should already be imported into Resources into the appropriate layers.

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- Click **Digitize** in the **Detail** tab;
- Click  on the Map Window toolbar once the yellow box has appeared;
- Follow the procedures at the bottom of the Map Window:
 - *Left-click* in the area created;
 - *Left-click* to accept the polygon;
 - *Right-click* to finish.

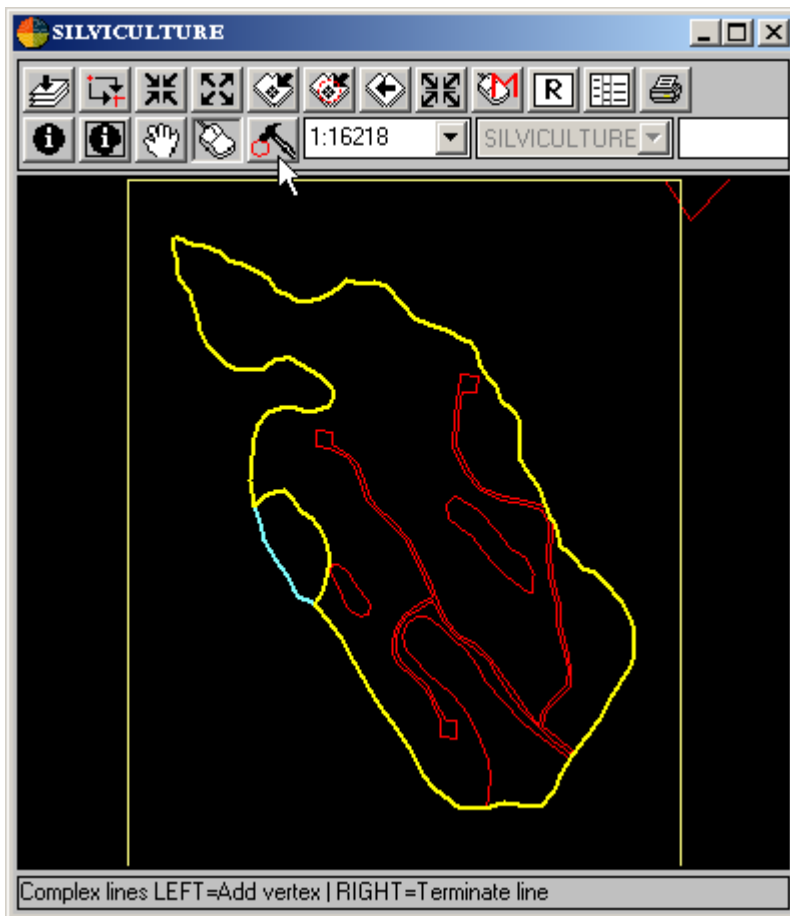
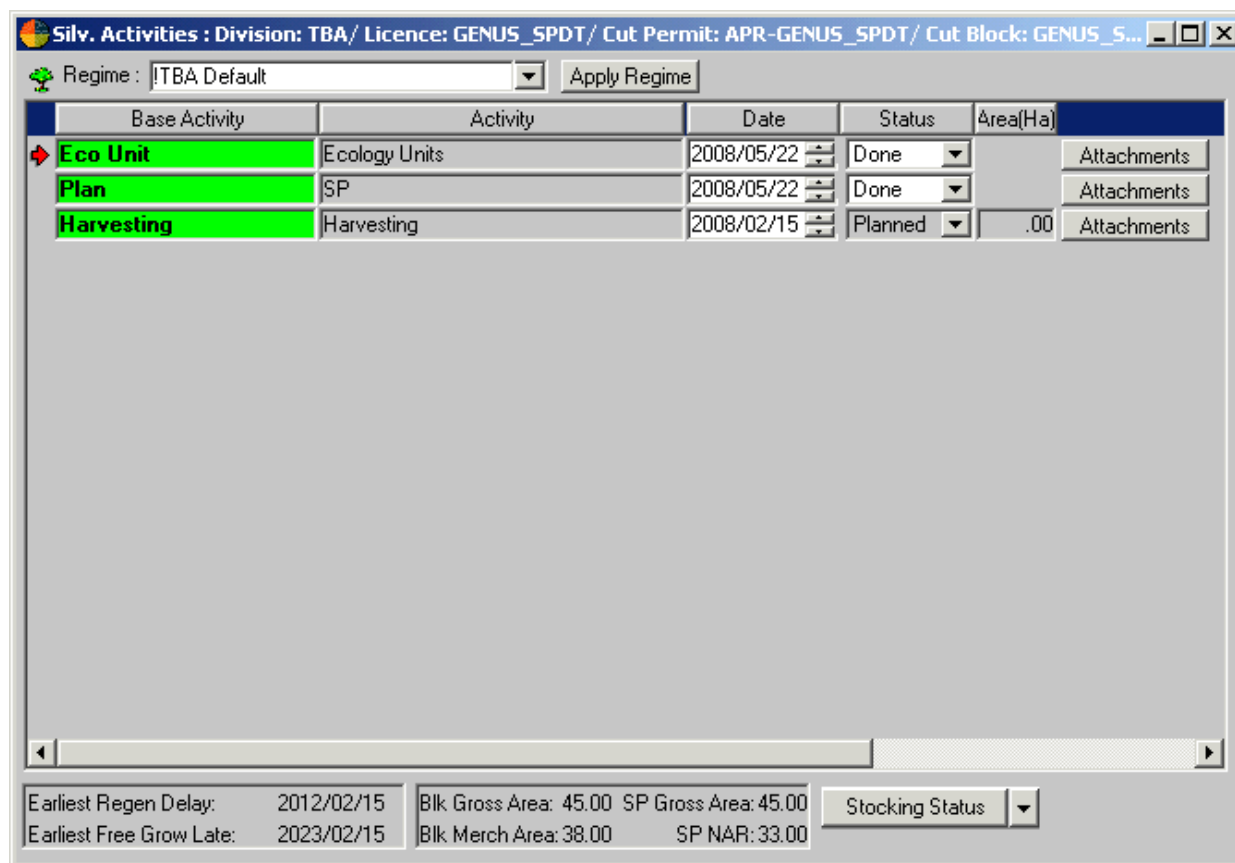


Figure 8 - Map Window: Digitizing Ecology Units

Completing Ecology Units

Once all Ecology Unit data has been entered (required) and the polygons digitized (optional):

- Click  to close the **Ecology** window;
- *Highlight* Ecology Units in the main **Silviculture Activities** window;
- *Enter* the date the SP was approved in the **Date** field;
- *Select* Done in the **Status** drop-down list;
- Click  to save changes to the database.



The screenshot shows the 'Sily. Activities' window with the following details:

- Title Bar:** Sily. Activities : Division: TBA/ Licence: GENUS_SPDT/ Cut Permit: APR-GENUS_SPDT/ Cut Block: GENUS_S...
- Regime:** ITBA Default (dropdown menu) with an 'Apply Regime' button.
- Table:**

Base Activity	Activity	Date	Status	Area(Ha)	Attachments
Eco Unit	Ecology Units	2008/05/22	Done		Attachments
Plan	SP	2008/05/22	Done		Attachments
Harvesting	Harvesting	2008/02/15	Planned	.00	Attachments
- Footer:**
 - Earliest Regen Delay: 2012/02/15
 - Earliest Free Grow Late: 2023/02/15
 - Blk Gross Area: 45.00
 - SP Gross Area: 45.00
 - Blk Merch Area: 38.00
 - SP NAR: 33.00
 - Stocking Status (dropdown menu)

Figure 9 - Main Silviculture Activities Window: Ecology Units

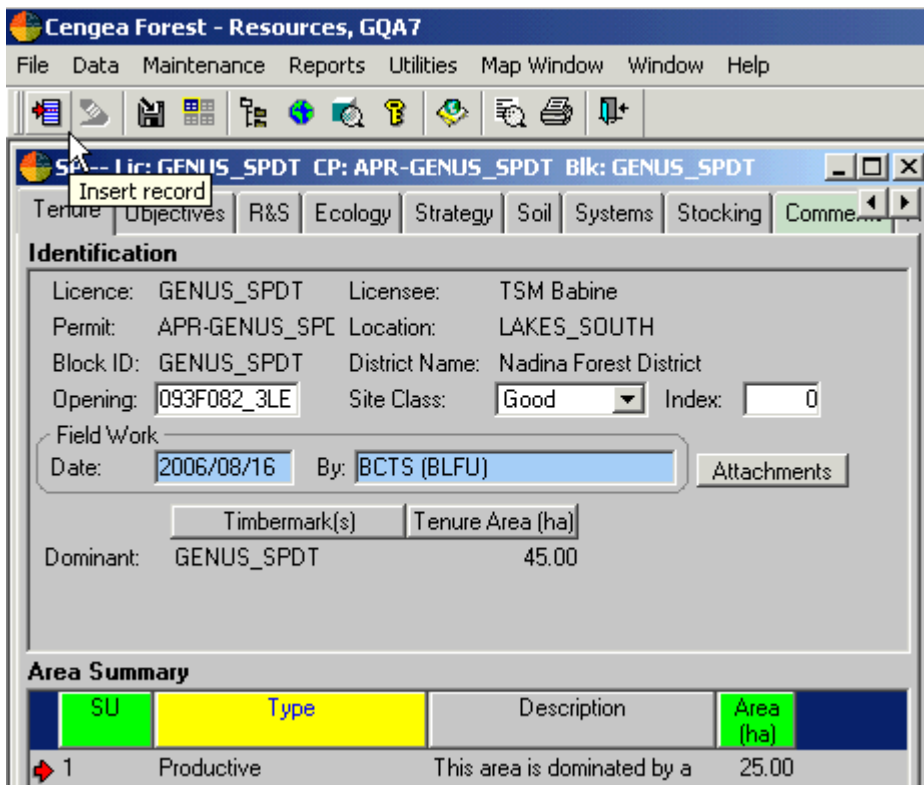
Data Entry Requirements for Generating a Block Site Plan Report



3. Standard Units

Entering Standard Units

- Right-click the appropriate cut block in the **Navigator** tree;
- Select Go to then Silviculture Prescription from the pop-up menu;
- Highlight the Area Summary section, in the **Tenure** tab, and click  to open the **SU** window;



Cengea Forest - Resources, GQA7

File Data Maintenance Reports Utilities Map Window Window Help

SA-- Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT

Insert record

Tenure Objectives R&S Ecology Strategy Soil Systems Stocking Comme...

Identification

Licence: GENUS_SPDT Licensee: TSM Babine
 Permit: APR-GENUS_SPC Location: LAKES_SOUTH
 Block ID: GENUS_SPDT District Name: Nadina Forest District
 Opening: 093F082_3LE Site Class: Good Index: 0
 Field Work
 Date: 2006/08/16 By: BCTS (BLFU) Attachments

Timbermark(s) Tenure Area (ha)
 Dominant: GENUS_SPDT 45.00

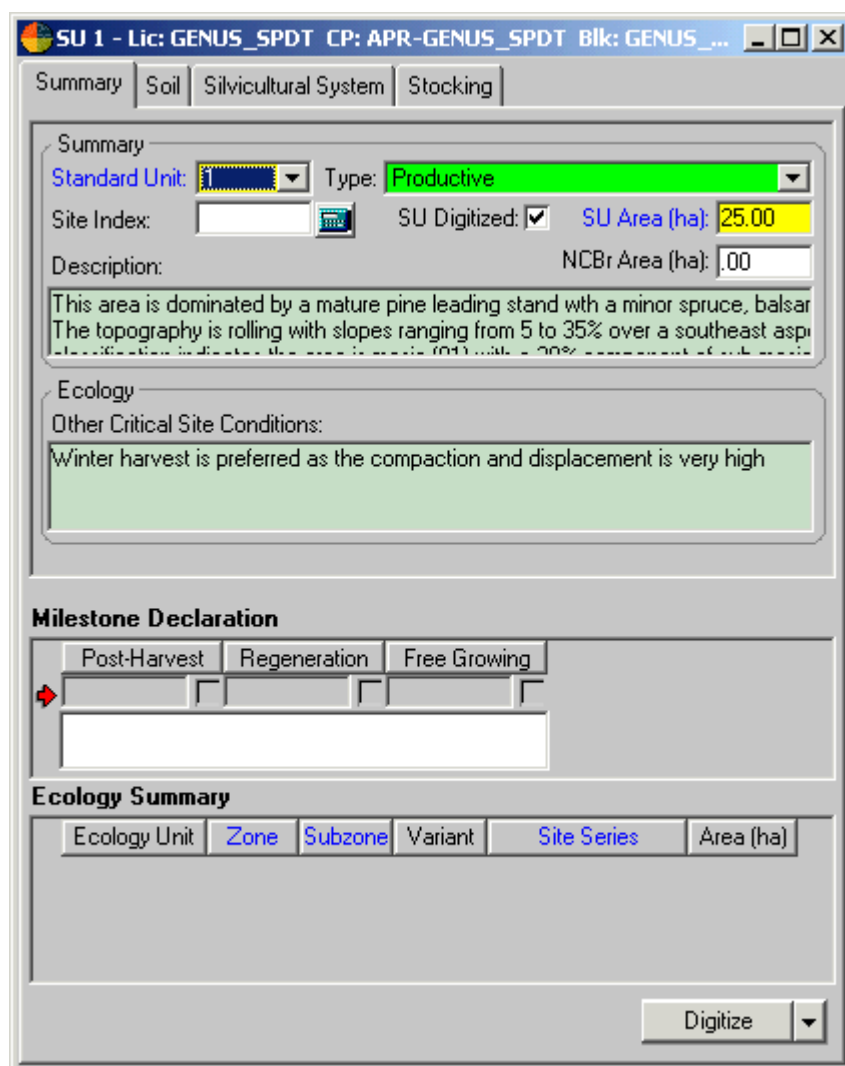
Area Summary

SU	Type	Description	Area (ha)
1	Productive	This area is dominated by a	25.00

Figure 10 - Inserting Standard Unit

Data Entry Requirements for Generating a Block Site Plan Report

- Select the standard unit ID from the **Standard Unit** drop-down list;
- Ensure Productive populates the **Type** drop-down list;
- Enter a description / comments in the **Description** memo field;
- Click  to save changes to the database.



SU 1 - Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_...

Summary | Soil | Silvicultural System | Stocking

Summary

Standard Unit: Type:

Site Index: SU Digitized: ☒ SU Area (ha):

Description:

This area is dominated by a mature pine leading stand with a minor spruce, balsam. The topography is rolling with slopes ranging from 5 to 35% over a southeast aspect. The vegetation is dominated by the spruce forest with a 20% component of sub-forest.

Ecology

Other Critical Site Conditions:

Winter harvest is preferred as the compaction and displacement is very high

Milestone Declaration

Post-Harvest | Regeneration | Free Growing

☒ ☐ ☐

Ecology Summary

Ecology Unit	Zone	Subzone	Variant	Site Series	Area (ha)

Digitize

Figure 11 - SU Window: Summary Tab - Productive SU

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Data Entry Requirements for Generating a Block Site Plan Report



Wildlife tree retention areas (WTRA), retention patches, and roads are all considered SUs in Resources. Non-productive SUs are identified by an alpha ID (up to four characters) and a descriptive type (e.g., Non-productive Permanent Access).

For non-productive SUs:

- Select the appropriate ID in the **Standard Unit** drop-down list;
- Select the appropriate non-productive type in the **Type** drop-down list;
- Enter a description / comments in the **Description** memo field;
- Click  to save changes to the database.

The screenshot shows a software window titled "SU WTRA - Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GEN...". It has two tabs: "Summary" and "Soil", with "Summary" selected. The "Summary" tab contains several fields: "Standard Unit:" with a dropdown menu showing "WTRA", "Type:" with a dropdown menu showing "Wildlife Tree Retention Area", "SU Digitized:" with a checked checkbox, "SU Area (ha):" with a text box containing "4.50", "Description:" with a text box containing "The WTRA will contain immature to nearly mature sub-alpine fir as well as many S", "Ecology" section with "Other Critical Site Conditions:" and an empty text box, "Milestone Declaration" section with three tabs: "Post-Harvest", "Regeneration", and "Free Growing", and "Ecology Summary" section with a table. The table has columns: "Ecology Unit", "Zone", "Subzone", "Variant", "Site Series", and "Area (ha)". At the bottom right, there is a "Digitize" button with a dropdown arrow.

Figure 12 - SU Window: Summary Tab - Non-productive SU

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Following are commonly used non-productive SU types:

Type	Code	Description
WTRA	WTRA	Wildlife Tree Retention Area
WTP	EXTRES	External Reserve
Retention Patch	INTRES	Internal Reserve
Reserves	DEF	Reserve (Deferred)
PAS – Road	NPUNN	Non-productive Permanent Access
Rock	NPROCK	Non-productive Rock



To insert each new SU the **Tenure** tab must be selected in the **SP** window then  clicked in the Area Summary section to create a new record in the **SU** window.

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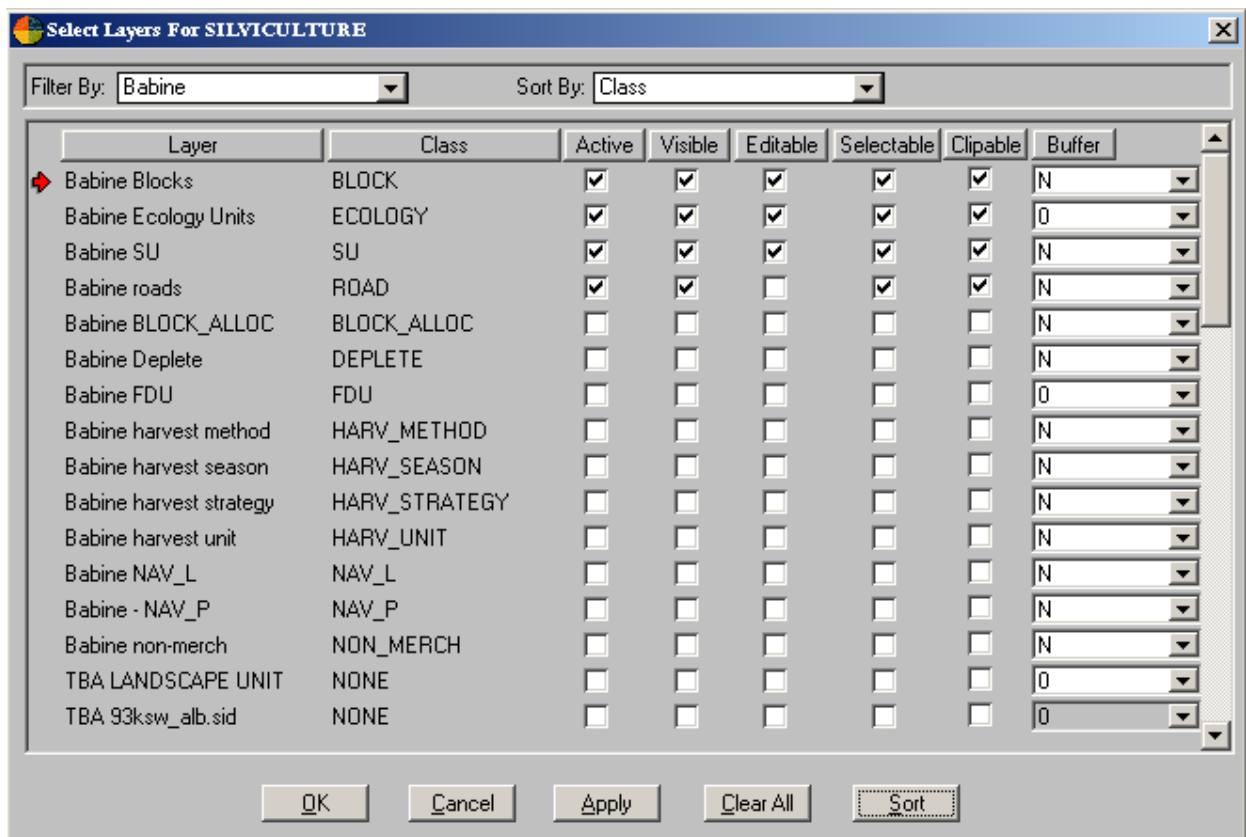
Digitizing Standard Units

- Click  to open the Map Window;
- Select SILVICULTURE in the **Application Description** drop-down list;
- Right-click in the Map Window and select Select Layers;
- Ensure the BLOCK, SU, and ECOLOGY layer classes are checked off as **Active, Visible, Selectable, Editable, and Clipable**;



If a road will be used as a clipable boundary then the ROAD layer classes must be checked off as **Active, Visible, Selectable, and Clipable**. Roads are not editable in the Resources Map Window.

- Click  then  to close the window;



Layer	Class	Active	Visible	Editable	Selectable	Clipable	Buffer
Babine Blocks	BLOCK	☒	☒	☒	☒	☒	N
Babine Ecology Units	ECOLOGY	☒	☒	☒	☒	☒	0
Babine SU	SU	☒	☒	☒	☒	☒	N
Babine roads	ROAD	☒	☒	☐	☒	☒	N
Babine BLOCK_ALLOC	BLOCK_ALLOC	☐	☐	☐	☐	☐	N
Babine Deplete	DEplete	☐	☐	☐	☐	☐	N
Babine FDU	FDU	☐	☐	☐	☐	☐	0
Babine harvest method	HARV_METHOD	☐	☐	☐	☐	☐	N
Babine harvest season	HARV_SEASON	☐	☐	☐	☐	☐	N
Babine harvest strategy	HARV_STRATEGY	☐	☐	☐	☐	☐	N
Babine harvest unit	HARV_UNIT	☐	☐	☐	☐	☐	N
Babine NAV_L	NAV_L	☐	☐	☐	☐	☐	N
Babine - NAV_P	NAV_P	☐	☐	☐	☐	☐	N
Babine non-merch	NON_MERCH	☐	☐	☐	☐	☐	N
TBA LANDSCAPE UNIT	NONE	☐	☐	☐	☐	☐	0
TBA 93ksw_alb.sid	NONE	☐	☐	☐	☐	☐	0

Figure 13 - Map Window: Select Layers Window



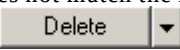
Polygons should already be imported into Resources into the appropriate layers and only need to be linked or if the EUs have been digitized then the SU boundaries generally correspond to one or more EU boundaries.

- Click  in the **Summary** tab;
- Click  on the Map Window toolbar once the yellow box has appeared;
- Follow the procedures at the bottom of the Map Window:
 - Left-click in the area created;
 - Left-click to accept the polygon;
 - Right-click to finish.

If there are roads in the cut block and the associated polygons have not been imported:

- Right-click in the Map Window and select **Select Layers**;
- Check off the ROAD layer class as **Active** and **Visible**;
- Enter the width in metres (use the width specified in the SP as a starting point) in the **Buffer** field to generate a polygon around the road;
- Click  in the **Summary** tab of the PAS – Road SU;
- Click  on the Map Window toolbar once the yellow box has appeared;
- Click the road line to digitize it.



If the digitized area does not match the road area specified in the SP, the polygon can be deleted by selecting then clicking , entering a new buffer area, and re-digitizing until the digitized area matches the SP within 0.1 ha.

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Data Entry Requirements for Generating a Block Site Plan Report



Following is the Area Summary section of the **Tenure** tab in the **SP** window, once the spatial data has been linked:

The screenshot shows a software window titled "SP -- Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT". It has several tabs: "Tenure", "Objectives", "R&S", "Ecology", "Strategy", "Soil", "Systems", "Stocking", and "Comments". The "Tenure" tab is active. Under the "Identification" section, there are fields for Licence (GENUS_SPDT), Licensee (TSM Babine), Permit (APR-GENUS_SPC), Location (LAKES_SOUTH), Block ID (GENUS_SPDT), District Name (Nadina Forest District), Opening (093F082_3LE), Site Class (Good), Index (22), Field Work Date (2006/08/16), and By (BCTS (BLFU)). There are also buttons for "Attachments", "Timbermark(s)", and "Tenure Area (ha)". The "Area Summary" section contains a table with columns for SU, Type, Description, and Area (ha). The table lists several areas with their types and descriptions, and a summary of Gross, Total, and Net areas.

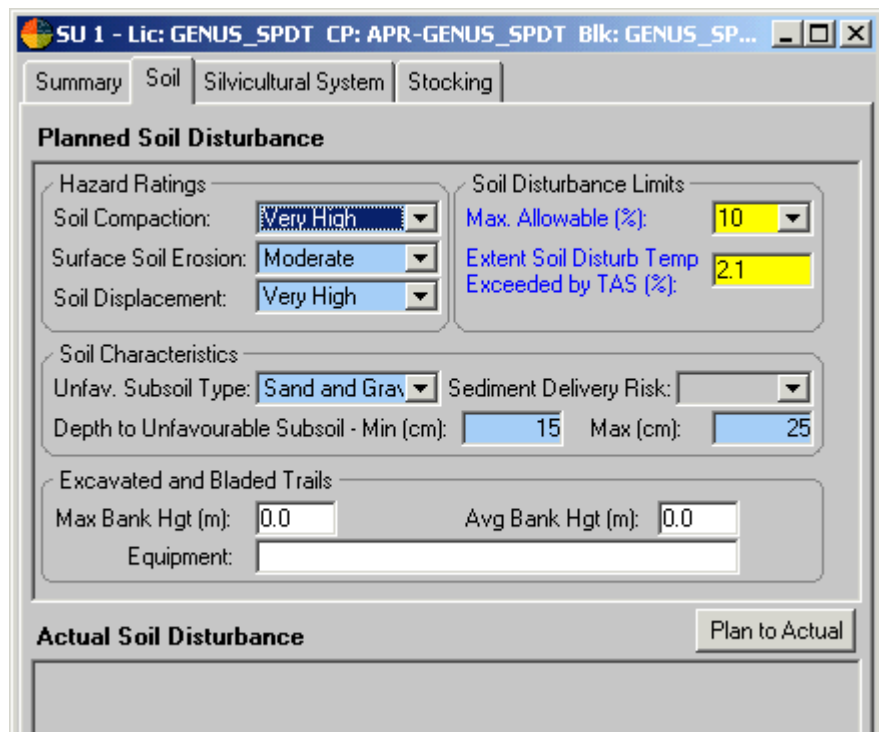
Figure 14 - SP Window: Tenure Tab - Area Summary Section

Entering Soil Data



Double-clicking the appropriate SU in the Area Summary section will open the **SU** window enabling additional standard unit data to be entered.

- Select the **Soil** tab;
- Enter all known soil information;
- Click  to save changes to the database.



SU 1 - Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SP...

Summary | **Soil** | Silvicultural System | Stocking

Planned Soil Disturbance

Hazard Ratings

Soil Compaction: **Very High**

Surface Soil Erosion: **Moderate**

Soil Displacement: **Very High**

Soil Disturbance Limits

Max. Allowable (%): **10**

Extent Soil Disturb Temp Exceeded by TAS (%): **2.1**

Soil Characteristics

Unfav. Subsoil Type: **Sand and Gray**

Sediment Delivery Risk:

Depth to Unfavourable Subsoil - Min (cm): **15** Max (cm): **25**

Excavated and Bladed Trails

Max Bank Hgt (m): **0.0** Avg Bank Hgt (m): **0.0**

Equipment:

Actual Soil Disturbance Plan to Actual

Figure 15 - Standard Unit Window: Soil Tab



The hazard ratings, soil disturbance limits, and soil characteristics will populate the **Soil** tab in the **SP** window by SU.

4. SP Objectives



The **Objectives** tab is auto-populated based on the site plan template created in the **SP Template** tab of the **Silviculture Maintenance** table.

Entering Objectives

- Select the **Objectives** tab in the **SP** window;
- Ensure the Longterm Management Objectives section is populated correctly;



The Longterm Management Objectives section is optional for BCTS.

- Click a bolded radio button in the Post-Harvest Site Conditions section to revise the data populated from the SP template, or;
- Click an un-bolded radio button to enter data specific to the cut block:
 - Double-click within the memo field to open the **Comment Editor** dialogue;
 - Click **Template**, if active, to populate with data entered in the **SP Template** tab after the cut block was created, or;

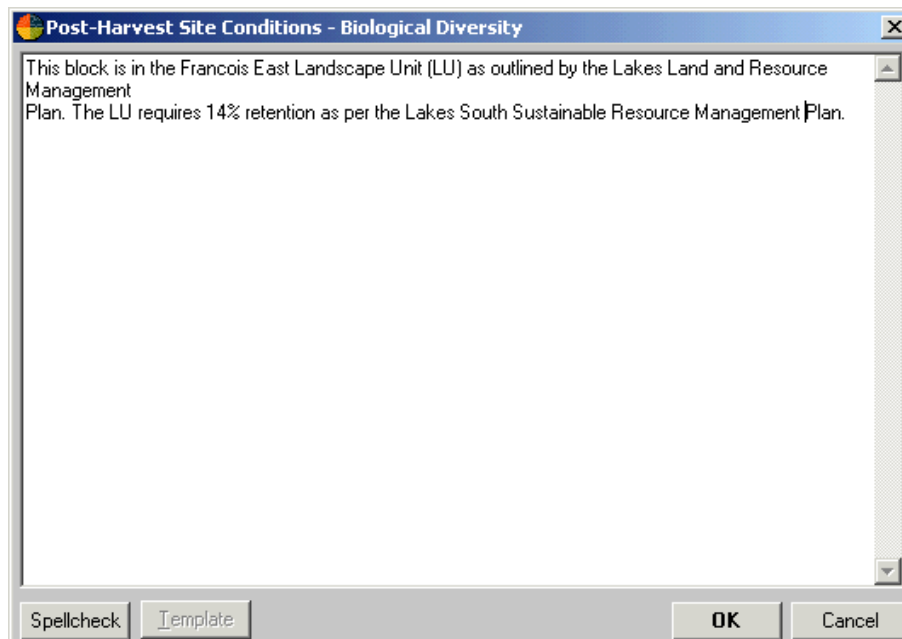
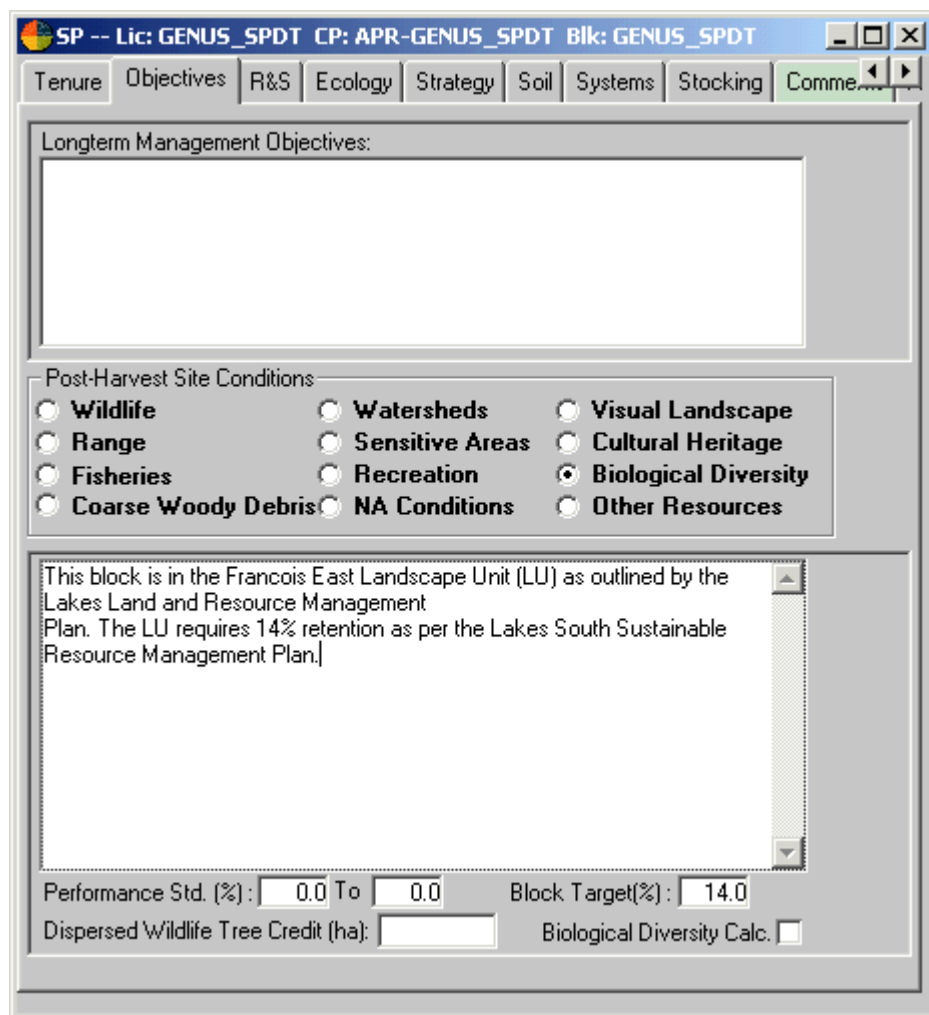


Figure 16 - SP Window: Objectives Tab - Comments Dialogue

Data Entry Requirements for Generating a Block Site Plan Report

- Copy and paste data from other sources (e.g., Word);
- Click **OK** to close and save the data;
- Click  to save changes to the database.



SP -- Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT

Tenure Objectives R&S Ecology Strategy Soil Systems Stocking Comme...

Longterm Management Objectives:

Post-Harvest Site Conditions

☐ Wildlife
 ☐ Watersheds
 ☐ Visual Landscape

☐ Range
 ☐ Sensitive Areas
 ☐ Cultural Heritage

☐ Fisheries
 ☐ Recreation
 ☒ Biological Diversity

☐ Coarse Woody Debris
 ☐ NA Conditions
 ☐ Other Resources

This block is in the Francois East Landscape Unit (LU) as outlined by the Lakes Land and Resource Management Plan. The LU requires 14% retention as per the Lakes South Sustainable Resource Management Plan.

Performance Std. (%) : 0.0 To 0.0 Block Target(%) : 14.0

Dispersed Wildlife Tree Credit (ha): Biological Diversity Calc. ☐

Figure 17 - SP Window: Objectives Tab

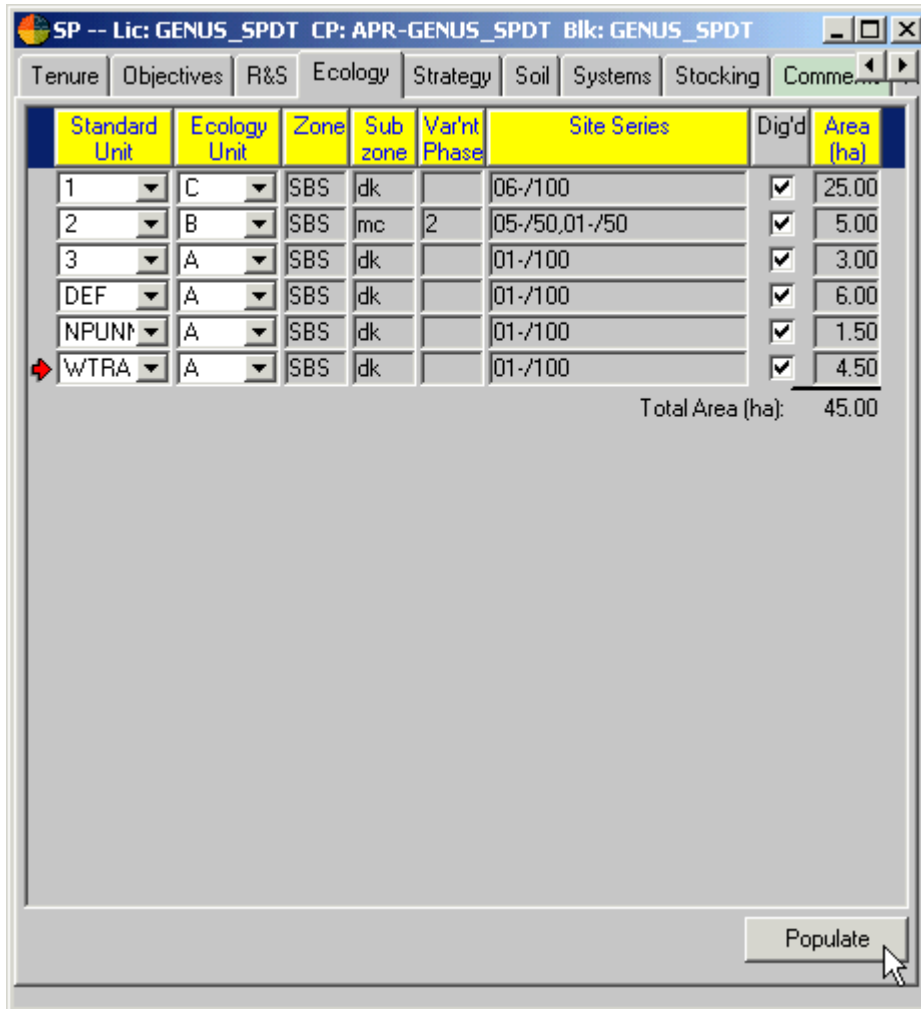
Data Entry Requirements for Generating a Block Site Plan Report

5. SP Ecology

Linking Ecology Units and Standard Units

If the ecology units and standard units have been digitized:

- Select the **Ecology** tab in the **SP** window;
- Click  to create a spatial overlay between the SU layer class and the ECOLOGY layer class;
- Click  to save changes to the database.



Standard Unit	Ecology Unit	Zone	Sub zone	Var'nt Phase	Site Series	Dig'd	Area (ha)
1	C	SBS	dk		06-/100	☒	25.00
2	B	SBS	mc	2	05-/50,01-/50	☒	5.00
3	A	SBS	dk		01-/100	☒	3.00
DEF	A	SBS	dk		01-/100	☒	6.00
NPUNT	A	SBS	dk		01-/100	☒	1.50
WTRA	A	SBS	dk		01-/100	☒	4.50
Total Area (ha):							45.00

Figure 18 - SP Window: Ecology Tab

Data Entry Requirements for Generating a Block Site Plan Report

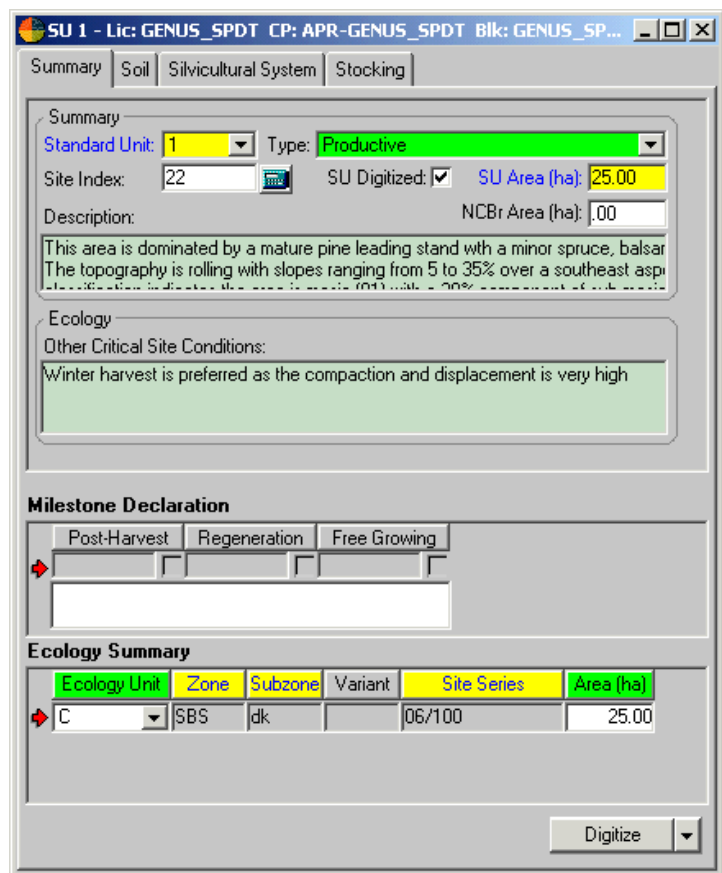
If the ecology units are not digitized:

- Click  on the main toolbar to insert a record;
- Select the appropriate SU;
- Select the associated EU;
- Enter the area in hectares in the **Area** field;
- Click  to save changes to the database.



The **Zone**, **Subzone**, **Var'nt Phase**, and **Site Series** fields are auto-populated from the **Summary** tab in the **Ecology Units** window.

The Ecology Summary section of the **Summary** tab in the **SU** window will auto-populate once the EUs and SUs have been linked:



The screenshot shows the 'SU 1 - Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SP...' window with the 'Summary' tab selected. The 'Summary' section includes fields for 'Standard Unit' (1), 'Type' (Productive), 'Site Index' (22), 'SU Digitized' (checked), 'SU Area (ha)' (25.00), and 'NCBr Area (ha)' (0.00). The 'Description' field contains text about a mature pine leading stand. The 'Ecology' section includes 'Other Critical Site Conditions' with text about winter harvest. The 'Milestone Declaration' section has buttons for 'Post-Harvest', 'Regeneration', and 'Free Growing'. The 'Ecology Summary' table is shown below.

Ecology Unit	Zone	Subzone	Variant	Site Series	Area (ha)
C	SBS	dk		06/100	25.00

A 'Digitize' button is located at the bottom right of the window.

Figure 19 - SU Window: Summary Tab - Ecology Summary Section

Data Entry Requirements for Generating a Block Site Plan Report



6. Strategies

Entering Strategy Data

- Select the **Strategy** tab in the **SP** window;
- Highlight the Riparian Areas section and click  on the main toolbar to insert a record;
- Enter the riparian / lake ID and select the appropriate class;
- Highlight the Riparian Zone Details section and click  on the main toolbar to insert a record;
- Select the appropriate zone and enter any other pertinent details, including the width in metres and the SU ID in the **SU XRef** field;
- Click  to enter comments regarding the riparian zone;



The Management Strategies section is auto-populated based on the site plan template created in the **SP Template** tab of the **Silviculture Maintenance** table.

- Click a bolded radio button in the Management Strategies section to revise the data populated from the SP template, or;
- Click an un-bolded radio button to enter data specific to the cut block:
 - Double-click within the memo field to open the **Comment Editor** dialogue;
 - Click , if active, to populate with data entered in the **SP Template** tab after the cut block was created, or;

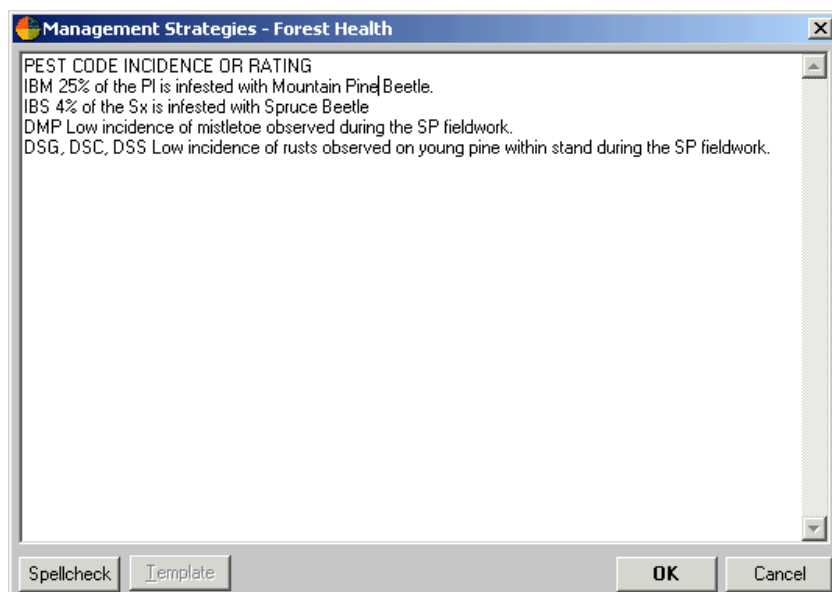
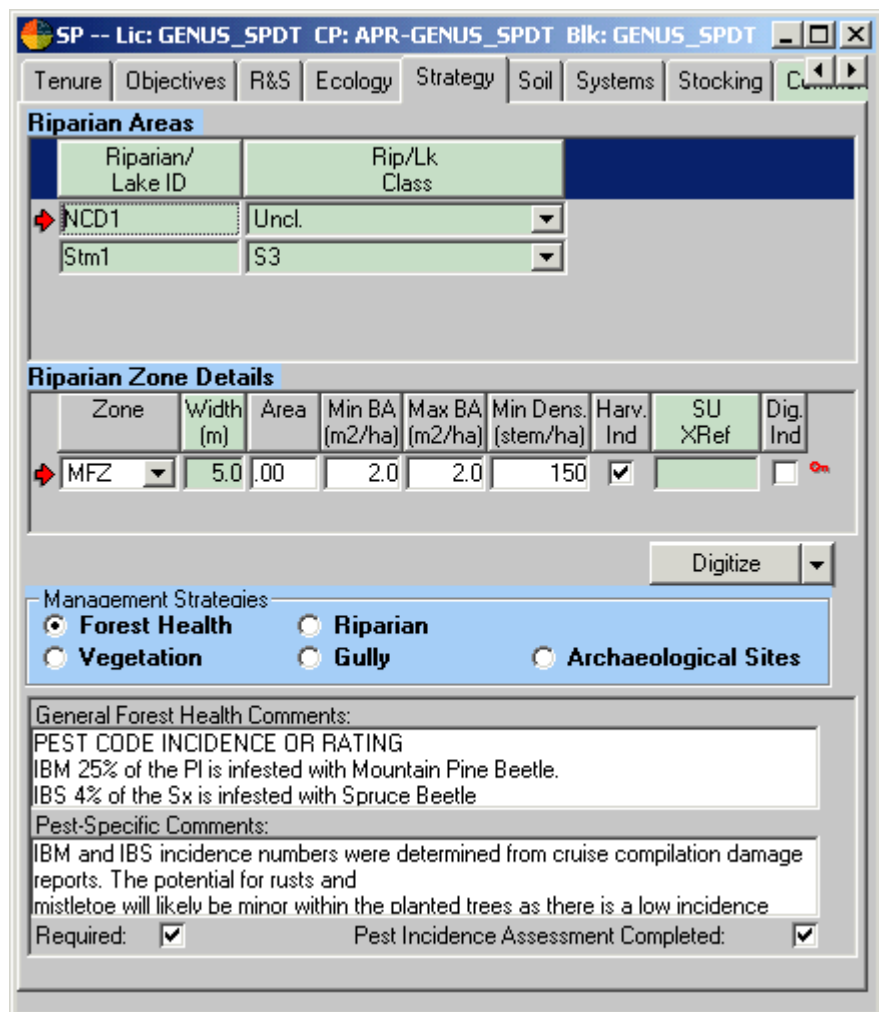


Figure 20 - SP Window: Strategy Tab - Comments Dialogue

Data Entry Requirements for Generating a Block Site Plan Report

- Copy and paste data from other sources (e.g., Word);
- Click **OK** to close and save the data;
- Click  to save changes to the database.



SP -- Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT

Tenure Objectives R&S Ecology Strategy Soil Systems Stocking

Riparian Areas

Riparian/Lake ID	Rip/Lk Class
NCD1	Uncl.
Stm1	S3

Riparian Zone Details

Zone	Width (m)	Area	Min BA (m2/ha)	Max BA (m2/ha)	Min Dens. (stem/ha)	Harv. Ind	SU XRef	Dig. Ind
MFZ	5.0	.00	2.0	2.0	150	☒		☐

Digitize

Management Strategies:

☒ Forest Health
 ☐ Riparian
 ☐ Vegetation
 ☐ Gully
 ☐ Archaeological Sites

General Forest Health Comments:

PEST CODE INCIDENCE OR RATING

IBM 25% of the PI is infested with Mountain Pine Beetle.

IBS 4% of the Sx is infested with Spruce Beetle

Pest-Specific Comments:

IBM and IBS incidence numbers were determined from cruise compilation damage reports. The potential for rusts and mistletoe will likely be minor within the planted trees as there is a low incidence

Required: ☒ Pest Incidence Assessment Completed: ☒

Figure 21 - SP Window: Strategy Tab

Data Entry Requirements for Generating a Block Site Plan Report



7. Soil Information

Entering Soil Data

- Select the **Soil** tab in the **SP** window;
- Enter all known soil information;
- Click  to save changes to the database.



The hazard ratings, soil disturbance limits, and soil characteristics, for each SU, are populated from the **Soil** tab in the **SU** window.

The screenshot shows the 'SP' window with the 'Soil' tab selected. The window title is 'SP -- Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT'. The tabs at the top are: Tenure, Objectives, R&S, Ecology, Strategy, **Soil**, Systems, and Stocking. The 'SU 1' section contains the following fields:

- Hazard Ratings:** Compact: VH, Erosn: M, Displ: VH
- Soil Disturb Limits:** Max Allow in Net Area (%): 10.0
- Soil Characteristics:** Depth to Unfav. Subsoil(cm): 15 - 25, Type: SG, Sed. Del. Risk:

Below these are two rows of data with columns 'Area(ha)' and 'Pct(%)':

	Area(ha)	Pct(%)
Max Proportion of Total Area Allowed for Perm Access:	1.50	7.5%
Max Roadside Disturbance:		25.0%

Below this is a text area for 'Soil Conservation Comments:' containing the text: 'SU CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING' and '1 Within EUA the soil compaction hazard is rated as moderate overall due to'. Below this is a field for 'Max Time to Complete Rehab (from Completion of Harvest):'. Below this is a section for 'Management Strategies for TAS' with a text area for 'Temporary Access Comments:'. Below this is a section for 'Slope Information' with a text area for 'Slope Instability Indicators:' containing the text: 'Based on higher level information the southern portion of the block shows areas of unstable terrain. Terrain stability was assessed within the area of high concern during the SP fieldwork. This area is located within a large bedrock'. Below this are two checkboxes: 'Required' (checked) and 'Terrain Stability Field Assessment Completed:' (checked).

Figure 22 - SP Window: Soil Tab

8. Silvicultural Systems

Entering Systems Data

- Select the **Systems** tab in the **SP** window;
- Highlight the Silvicultural Systems used on Block section and click  on the main toolbar to insert a record;
- Select the appropriate values in the **System**, **Variant** (if required), and **Phase** drop-down lists;
- Select the appropriate reserve code in the **Reserve** drop-down list;
- Select Logged (L) in the **Disturbance** drop-down list;



The **Area** field is not required to be populated, i.e., is not mapped to the Site Plan report.

- Enter comments in the **Minimum characteristics of leave trees** memo field;
- Click  to save changes to the database.



If there are different systems for each SU, then the above steps need to be followed for each type of system.

Data Entry Requirements for Generating a Block Site Plan Report



Figure 23 - SP Window: Systems Tab

- Select the **Silvicultural System** tab in the **SU** window;
- Click the appropriate radio button adjacent to the SU ID to populate the Silvicultural Systems used on Block section;



It is important the correct silvicultural system is associated with the standard unit. It can be difficult to change the system after the record is saved.

- Enter comments in the **Silvicultural System Comments for SU** memo field;
- Click  to save changes to the database.

SU 2 - Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_...

Summary | Soil | **Silvicultural System** | Stocking

SU	SELEC/GRP	SELEC/SIN
2	☐	☒

Silvicultural System Comments for SU
SP-SU-Silv Systems-SU2-SELEC/GRP Silv Sys Comments

Silvicultural Systems used on Block

Silvicultural System

System: **Selection**

Variant: Single

Phase:

Reserve: D Disturbance: **L**

Area: .00

Current Stand Structure/site Conditions

SP-Systems-SELEC/SIN: Current Stnd Strct/SC's

Minimum characteristics of leave trees

SP-Systems-SELEC/SIN: Min Char of Lve Trees

Additional Post Harvest Stand Composition Goals

SP-Systems-SELEC/SIN: Add PHSC Goals

Min. Residual BA (m2/ha): 2.00 Min. Residual Density (st/ha): 150

Residual Stand Structure

Figure 24 - SU Window: Silvicultural System Tab

9. Stocking Standards

Populating Stocking Standards



These steps apply when assigning single layer and multi-layer stocking standards. It's important to ensure the stocking standard matches the silvicultural system (single or multi-layer).

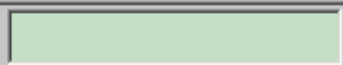
- Select the **Stocking** tab in the **SU** window;
- Select the appropriate standard ID from the **Standards ID** drop-down list to populate the fields with the required stocking standard information from the **Standards Maintenance** table;
- Click  to save changes to the database.



If the required standard ID does not appear in the list, either the ecology unit has not been associated with the standard unit or an incorrect ecology unit has been associated to the standard unit.

SU 2 - Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT

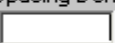
Summary | Soil | Silvicultural System | **Stocking**

Standards ID: MultiLayer  Other Perform. Standards: 

Assessment Dates: Orig Stock'g obj: 

Regen Delay	Free Grow Early	Free Grow Late
Years: 7	Years: 12	Years: 15
Date: 2015/02/15	Date: 2020/02/15	Date: 2023/02/15

Layer	Species	Min. Ht. (m)	Footnotes
 Mature Layer	 Preferred Lodgepole Pine		...
Pole Layer	Hybrid Spruce (		...
Sapling Layer			
Regeneration			

Post Spacing Density (s/ha)
Min:  Max: 

Well Spaced Trees (#/ha)
Target Preferred & Acceptable: 1,200
Min. Preferred & Acceptable: 700

Max. Coniferous (s/ha): 10,000
Residual Basal Area (m3/ha): .00

Min. Preferred: 600
Min. Horizontal Dist.: 2.0

Height Relative To Competition (%): 150 or (cm): 0.0
Minimum Pruning Height (m): 

Modified By:  Modified Date: 0000/00/00

Comments: 



Figure 25 - SU Window: Stocking Tab

- Select the **Stocking** tab in the **SP** window;
- Enter comments in the **Other Required Stocking Information** memo field;
- Click  to save changes to the database.

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



SP -- Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT

Tenure Objectives R&S Ecology Strategy Soil Systems Stocking **Comme...**

Assessment Dates

SU	RG Delay (yrs)	RG Delay Date	FG Early (yrs)	FG Early Date	FG Late (yrs)	FG Late Date
1	7	2015/02/15	12	2020/02/15	15	2023/02/15
2	7	2015/02/15	12	2020/02/15	15	2023/02/15
3	4	2012/02/15		0000/00/00	20	2028/02/15

Free Growing Stocking Requirements

SU: 1 Mature Layer

Well Spaced Trees / ha:
 Target Pref/Acc: 600
 Min Pref/Acc: 300
 Min Pref: 250
 Min Hor. Dist.(m):

Post Space Density:
 Min (st/ha):
 Max (st/ha):

Ht Rel to Comp(%):
 Max Conif (st/ha):
 Min Prune Height:

— Preferred Species — Min. Ht. (m) — Acceptable Species — Min. Ht. (m) —
 Lodgepole Pine - Interior
 Hybrid Spruce (SE x SW)

SU: 1 Pole Layer

Well Spaced Trees / ha:
 Target Pref/Acc: 800
 Min Pref/Acc: 400
 Min Pref: 200

Post Space Density:
 Min (st/ha):
 Max (st/ha):

Ht Rel to Comp(%): 150
 Max Conif (st/ha):
 Min Prune Height:

Other Required Stocking Information

The site index on this block is moderate to high for the area. The trees growing on the site now are large and quite tall, the future plantation should also exhibit good growing characteristics.

Figure 26 - SP Window: Stocking Tab

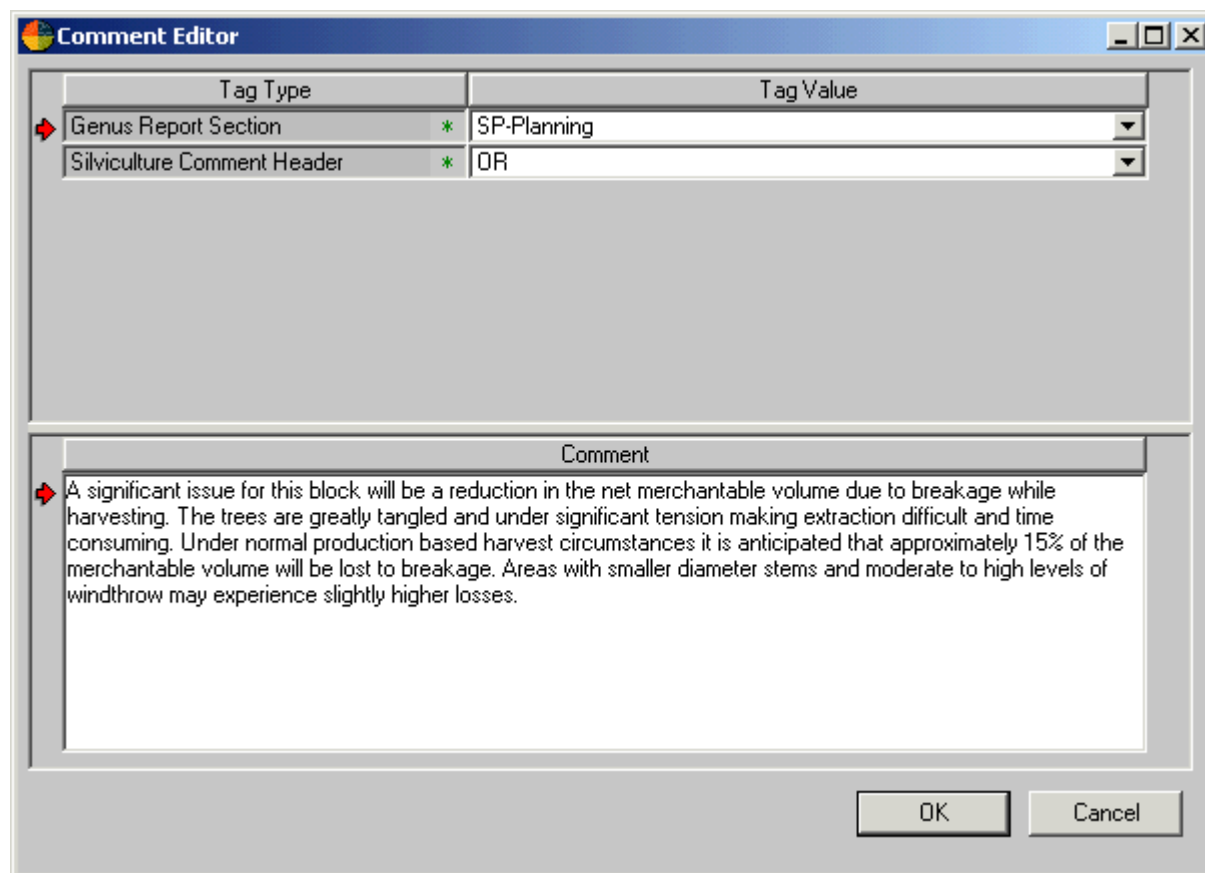
10. Site Plan Comments

Entering Comments

- Select the **Comments** tab in the **SP** window;
- Click  to open the **Comment Editor** dialogue;
- Select the appropriate report section in the **Tag Value** drop-down list adjacent to the Genus Report Section tag type;
- Select the appropriate comment heading in the **Tag Value** drop-down list adjacent to the Silviculture Comment Header tag type;
- Enter comments in the **Comment** memo field;
- Number each comment to ensure they appear in the correct order in the Site Plan report;



It is important to number the comments to ensure the Silviculture Plan report is populated correctly.

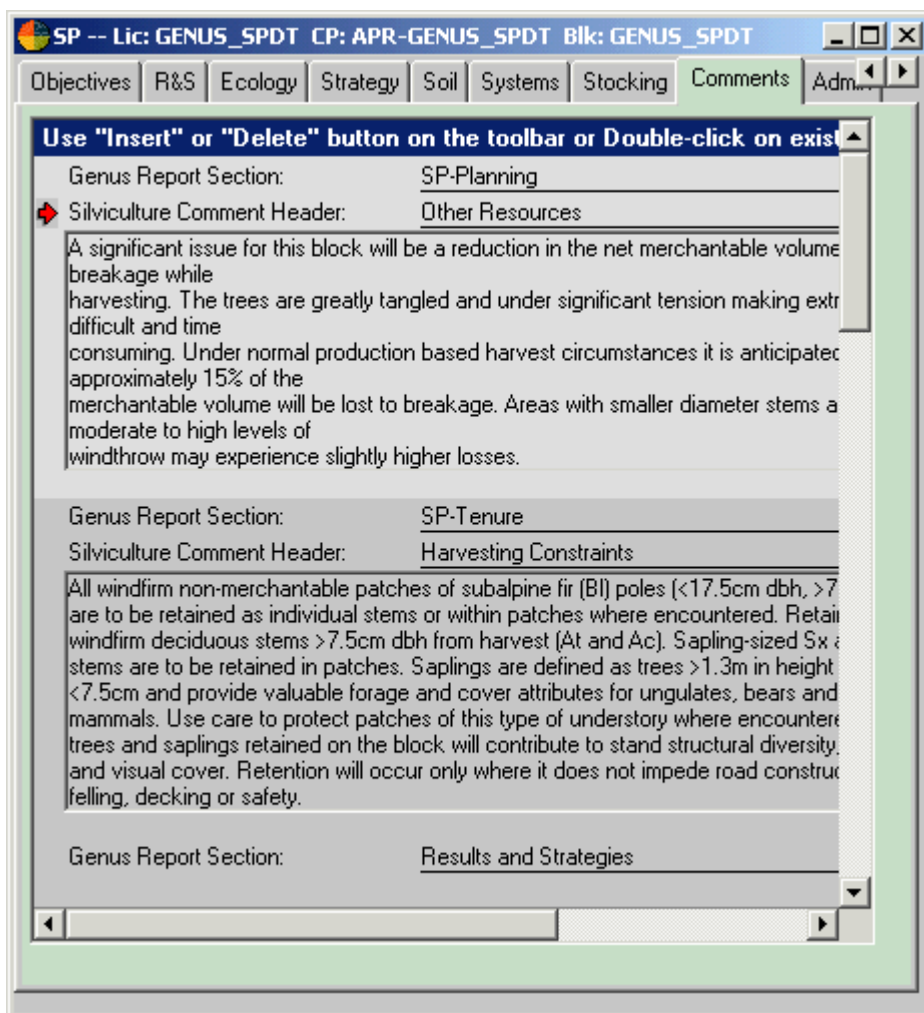


The screenshot shows the 'Comment Editor' dialog box. It has a title bar with standard window controls. Inside, there are two main sections. The top section contains two columns: 'Tag Type' and 'Tag Value'. The 'Tag Type' column has two entries: 'Genus Report Section' and 'Silviculture Comment Header', each with a red arrow icon to its left. The 'Tag Value' column has two dropdown menus; the first is set to 'SP-Planning' and the second is set to 'OR'. The bottom section is a large text area labeled 'Comment' with a red arrow icon to its left. It contains the following text: 'A significant issue for this block will be a reduction in the net merchantable volume due to breakage while harvesting. The trees are greatly tangled and under significant tension making extraction difficult and time consuming. Under normal production based harvest circumstances it is anticipated that approximately 15% of the merchantable volume will be lost to breakage. Areas with smaller diameter stems and moderate to high levels of windthrow may experience slightly higher losses.' At the bottom right of the dialog box are 'OK' and 'Cancel' buttons.

Figure 27 - SP Window: Comment Tab: Comment Editor Dialogue

Data Entry Requirements for Generating a Block Site Plan Report

- Click  to save changes to the database;
- Click OK to close the window.



SP -- Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT

Objectives R&S Ecology Strategy Soil Systems Stocking Comments Admin

Use "Insert" or "Delete" button on the toolbar or Double-click on existing comment

Genus Report Section: SP-Planning

Silviculture Comment Header: Other Resources

A significant issue for this block will be a reduction in the net merchantable volume breakage while harvesting. The trees are greatly tangled and under significant tension making extra difficult and time consuming. Under normal production based harvest circumstances it is anticipated approximately 15% of the merchantable volume will be lost to breakage. Areas with smaller diameter stems a moderate to high levels of windthrow may experience slightly higher losses.

Genus Report Section: SP-Tenure

Silviculture Comment Header: Harvesting Constraints

All windfirm non-merchantable patches of subalpine fir (Bl) poles (<17.5cm dbh, >7 are to be retained as individual stems or within patches where encountered. Retain windfirm deciduous stems >7.5cm dbh from harvest (At and Ac). Sapling-sized Sx stems are to be retained in patches. Saplings are defined as trees >1.3m in height <7.5cm and provide valuable forage and cover attributes for ungulates, bears and mammals. Use care to protect patches of this type of understory where encountered. Trees and saplings retained on the block will contribute to stand structural diversity, and visual cover. Retention will occur only where it does not impede road construction, felling, decking or safety.

Genus Report Section: Results and Strategies

Figure 28 - SP Window: Comments Tab

Data Entry Requirements for Generating a Block Site Plan Report

The following table summarizes which tag values populate each report section:

Genus Report Section	Silviculture Comment Header	Report Section
SP-Tenure	Harvesting Constraints	Tenure Report - Additional Comments
SP-Tenure	Silviculture Constraints	Tenure Report - Additional Comments
SP-Planning	TSO specific, e.g., Community Watershed	Support Document - Additional Comments
SP-Harvest-Definition	Definitions	Harvest Plan Report - Definitions
SP-Silviculture	Brushing	Silviculture Report - Silviculture Activity Comments
SP-Silviculture	Site Prep	Silviculture Report - Silviculture Activity Comments
SP-Silviculture	Planting	Silviculture Report - Silviculture Activity Comments

Table 1 - Comments Tab: Tag Values

Data Entry Requirements for Generating a Block Site Plan Report



11. Administration

Entering Admin Data

- Select the **Admin** tab in the **SP** window;
- Select the name of the RPF in the **Prescription Prepared By** drop-down list;



If the required name does not appear in the drop-down list the RPF has not been associated with a person type that has been associated with the Creates Silviculture Prescription privilege in the **Person** and **Person Type** tabs of the **Common Maintenance** table.

- Click the **Block Nbr** or **Block ID** radio button to indicate the cut block identifier for reporting purposes;
- Select Site Plan or FRPA Site Plan from the **Legislated Authority** drop-down list;

Figure 29 - SP Window: Admin Tab

- Click to save changes to the database.

Data Entry Requirements for Generating a Block Site Plan Report



If Site Plan is selected from the **Legislated Authority** drop-down list the FSP results and strategies have to be entered in the **Comments** tab to appear in the report. Results and Strategies must be selected in the **Tag Value** drop-down list adjacent to the Genus Report Section tag type.

If FRPA Site Plan is selected (and the record saved) the **R&S** tab will be visible and the results and strategies assigned to the cut block FSP, in the Planning module, will appear.

Entering Amendments

- Select the **Admin** tab in the **SP** window;
- Highlight and click  to insert a record in the Amendment section;
- Enter the amendment number;
- Select the type of amendment from the **Amendment Type** drop-down list;



The values that populate the **Amendment Type** drop-down list are based on the value selected from the **Legislated Authority** drop-down list.

- Select the person responsible for the amendment and *select* the status of the amendment;
- Enter the date the submission is being generated;



If any updates or revisions have been made to the plan the user's name will appear in the **Prescription Last Updated By** field.

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



SP -- Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT

Tenure | Objectives | R&S | Ecology | Strategy | Soil | Systems | Stocking | **Comments** | Admin

Prescription Prepared By: Name: **SCOTT LESLIE (TBA)** Prescription Last Updated By: JOHNSON, LARA 2009/06/01

Additional SP Comments:
Additional Comments for a Silv P Amendment

Amendment Number	Amendment Type	Amendment Description	Responsibility	Status	Submission Date	Licensee Appr. Date	District Appr. Date	Map Req'd?	Attachments
Original	N/A				2006/08/16	0000/00/00	0000/00/00	☒	Attachments
1	Major				2006/10/25	0000/00/00	0000/00/00	☒	Attachments

RPF Certification Comments:
I certify that I have reviewed this document and, while I did not personally supervise the work described, I have determined that this work has been done to standards acceptable of a Registered Professional Forester

Statement of Completed Assessments:

Amendments Comments:
Amendment Comments/Rationale for Hardcopy Silv P Amendment

Block Identifier for Reporting: Block Nbr ☐ Block ID ☒ Legislated Authority: **FRPA site pl**

Prescription Attachments

Figure 30 - SP Window: Admin Tab (Amendments)

- Click to save changes to the database.

The following table summarizes which amendment types are associated with the selected legislated authority:

Amendment Type	FRPA Site Plan / Site Plan	Silviculture Prescription	Code Pilot
Correction (U)	Yes	Yes	Yes
Minor Amendment (M)	No	Yes	Yes
Major Amendment (A)	Yes	Yes	Yes
Approved Variation (V)	Yes	No	Yes

Table 2 - SP Window: Admin Tab (Amendments)

12. Results and Strategies

Managing the Results and Strategies



To ensure the **R&S** tab will appear, FRPA Site Plan **must** be selected in the **Admin** tab, as well as results and strategies assigned to the cut block in the Planning module.

- Select the **R&S** tab in the **SP** window;



If an objective is bolded in the **FSP Objective** column there are associated results and strategies populated from the FSP in the Planning module.

- Highlight the required objective in the **FSP Objective** column;

Default Scenario:

- Enter applicable comments specifying how the selected (i.e., the **Applies** checkbox adjacent to the result or strategy is checked off) result or strategy is being met in the How Result or Strategy is being met section (the Rationale section is greyed out);



If the result or strategy is not checked off, the rationale explaining why it does **not** apply to the cut block will populate the Rationale section, from the Planning module, and the How Result or Strategy is being met section will be greyed out.

Update from SP RPF Scenario:

- Check off the **Applies** checkbox adjacent to the result or strategy in the Results or Strategies section that applies to the cut block;
- Enter applicable comments specifying how the selected result or strategy is being met in the How Result or Strategy is being met section (the Rationale section will grey out), or;
- Uncheck the **Applies** checkbox adjacent to the result or strategy in the Results or Strategies section that does **not** apply to the cut block;
- Enter the rationale explaining why the deselected result or strategy does **not** apply in the Rationale section (the How Result or Strategy is being met section will grey out);



Each result or strategy that appears in the Results or Strategies section, for the selected objective, must be highlighted for the memo field to appear. This will ensure the appropriate comments are associated to the correct result or strategy.

- Click  to save changes to the database.

Data Entry Requirements for Generating a Block Site Plan Report



SP -- Lic: GENUS_SPDT CP: APR-GENUS_SPDT Blk: GENUS_SPDT

Tenure | Objectives | R&S | Ecology | Strategy | Soil | Systems | Stocking | Comments | Admin

FSP: Nadina FSP
Operating Plan: Test 923

FSP Objective

- Biodiversity Objectives**
 - Botanical Forest Products
- Cultural Heritage Resources**
- Fisheries Objectives
- Forage and Associated Plant Communities
- Range Resources
- Recreation Resources
- Research Installations
- Resource Features
- Riparian Management**
- Soil Objectives**
- Special Management

Reset R&S

Result Or Strategy:

Applies	Description
☒	6.6.1 The result or strategy in respect of the objective set by government for wildlife and biodiversity at the stand level is to ensure that, in the Lakes North FDU and Morice FDU, primary forest activities carried out or authorized by the TSM undertake to comply to the requirements of section 66 and 67 of the FPPR
☒	6.5.1 The result or strategy in respect of the objective set by government for wildlife and biodiversity at the landscape level is to ensure that, in the Lakes North and the Morice FDU, primary forest activities carried out or authorized by the TSM undertake to comply to the requirements of section 64 and 65 of the FPPR

How Result or Strategy is being met:

Rationale:

Figure 31 - SP Window: R&S Tab

13. Reports

Generating a Site Plan Report

- Click Reports on the menu bar and *select* User-Defined Reports;
- Select Site Plan from the **Category** drop-down list.
- Select Site Plan Report from the **Report Name** drop-down list.
- Click  to open the **Enter Values** window;
- Select the type of site plan report from the **Select Report Version** drop-down list;



FRPA is the default value.

- Highlight the required report section and click  to add the value to the Selected Values section;



All is the default and will print the entire report.

- Enter the required licence ID;
- Enter the cut permit ID, if required;



Entering a cut permit ID is optional, but it **must** be entered correctly if more than one cut block has the same cut block ID under the same licence ID, but with different cut permit IDs.

- Enter the required cut block ID;
- Select the appropriate signature style, (i.e. certification statement);
- Click OK to populate the report with the cut block data.

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



Enter Values

Select Report Version Report Version

FRPA

To select sections to be included, pick a section from the dropdown and add to the list below. By default, all sections will be included Report Sections

Available Values:

- All
- Site Plan
- Support Document
- Harvest Plan
- Silviculture Plan

Selected Values:

- All

Remove Remove All

Please enter the exact Licence ID Licence_ID

GENUS_SPDT

☐ Set to Null

Please enter the exact Permit ID (Optional, leave this parameter blank if you are not sure of the permit id. However, you must enter the correct Permit ID if there are more than one block have the same Block ID under a same Licence but different Permits) Permit_ID

☐ Set to Null

Please enter the exact Cut Block ID Block_ID

GENUS_SPDT

☐ Set to Null

Please select a Signature Style: 1> I certify I personally completed the work described herein. 2> I certify that the work described herein fulfils standards expected of a member of the Association of British Columbia Forest Professionals, and that I did personally supervise the work. 3> I certify that I have reviewed this document and, while I did not personally supervise the work described, I have determined that this work has been done to standards acceptable of a Registered Professional Forester. Signature_Style

I certify I personally completed the work described herein

☐ Set to Null

OK OK Cancel

Figure 32 - Selecting Site Plan Report Parameters

Exporting Site Plan

- Click  to export the downloaded report;

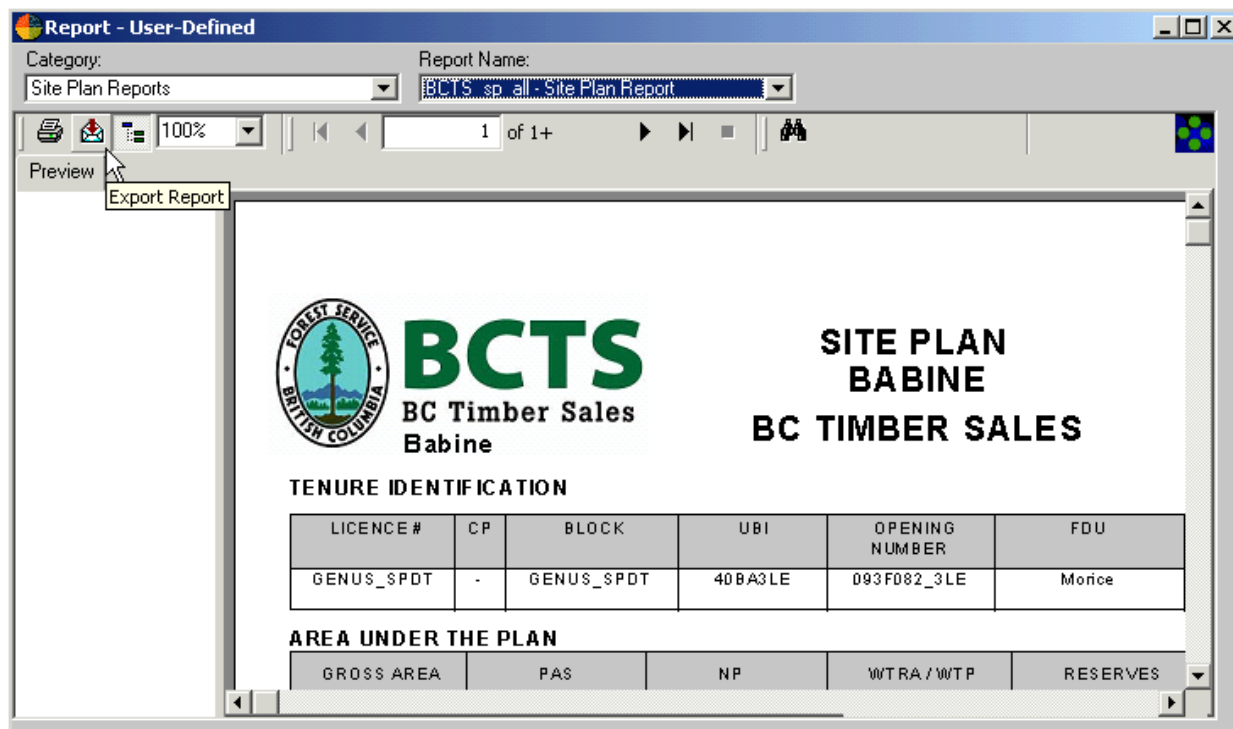
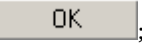


Figure 33 - Site Plan Report

- Select the appropriate file type (i.e., PDF or Excel);
- Ensure Disk File is selected in the **Destination** drop-down list;
- Click  in the **Export** dialogue;
- Click the **Page Range** radio button to download select pages (otherwise all the pages will download) in the **Export Options** dialogue and click ;
- Select the location where the file will be saved in the **Choose export file** dialogue;



When saving exported files, the file drives labelled with a '\$' are local drives.

- Click  to save the file and close the window.

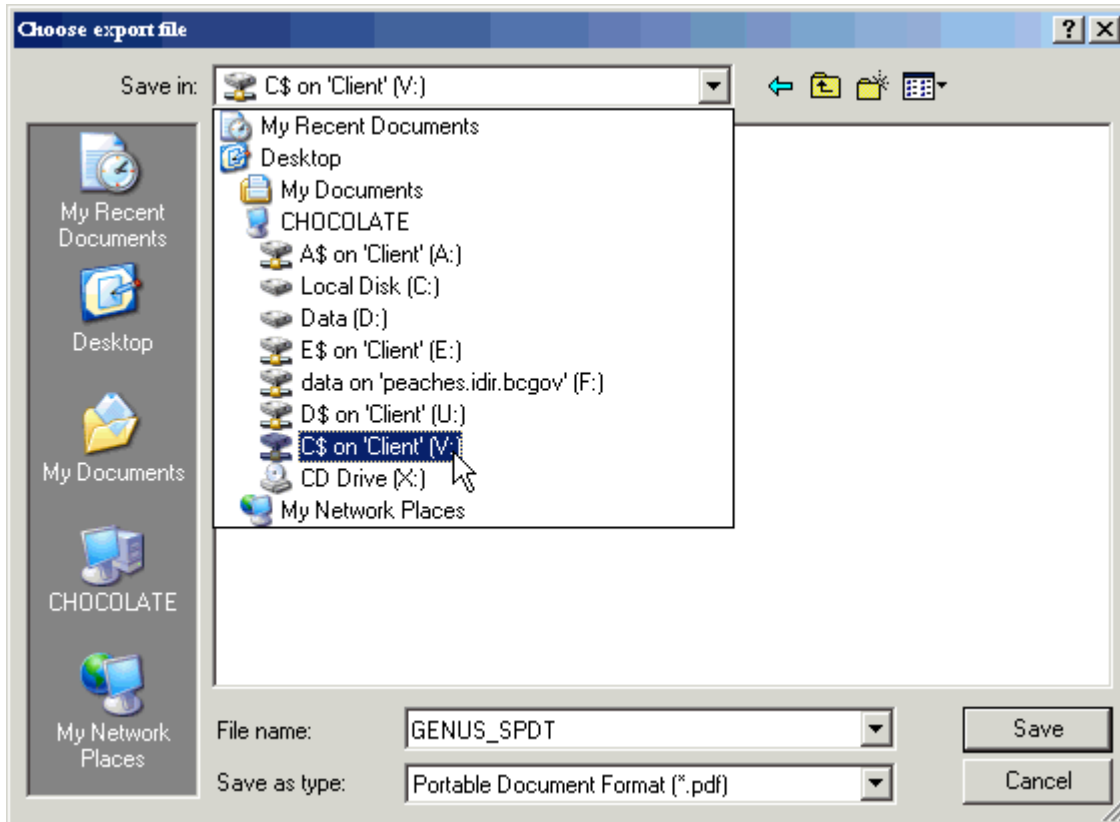


Figure 34 - File Location Dialogue

Thank you, any questions or concerns regarding the process and content of this guide should be directed to the Resources Administrator.

APPENDIX A

Data Entry Requirements

(This section provides users with the knowledge to generate and troubleshoot user-defined block site plan reports within Resources)

1. Tenure Report

Tenure Identification

TENURE IDENTIFICATION

AMENDMENT # 1

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
GENUS_SPDT	-	GENUS_SPDT	40BA3LE	093F082_3LE	Moine	Ootsa FSR (LS FDU)	53 53 04 / 125 41 44

Figure 35 - Tenure Identification

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
Licence / Details	Licence ID	Licence #
Appraisal Detail	Permit	CP
Cut Block / Details	Block ID	Block
Cut Block / Details	UBI	UBI
Cut Block / Details	Opening Number	Opening Number
Operating Plan / Blocks	FDU (name)	FDU
Cut Block / Details	Location	Location
Cut Block / Details	Lat/Long	Latitude / Longitude

Table 3 - Tenure Identification



The **Permit** drop-down list in the **Permit** tab of the **Appraisal Detail** window is auto-populated with the Permit IDs or the auto-generated Appraisal IDs (i.e., when a cut permit does not exist) associated with the selected licence.



Original will appear, on the right, unless an amendment has been entered in the **Admin** tab of the **SP** window then Amendment # will appear.

Area under the Plan

AREA UNDER THE PLAN

GROSS AREA (TAUP)	PAS	NP	WTRA / WTP	RESERVES	OTHER	NAR
45.0	1.5	0.0	4.5	6.0	0.0	33.0

Figure 36 - Area Under the Plan

Enter data in the following fields in Resources to populate the corresponding fields in this section.

Window / Tab	Resources Field	Report Field
SP / Tenure	Gross (ha)	Gross Area (TAUP)
SP / Tenure	Type = Non-Productive Permanent Access	PAS
SP / Tenure	Type = Non-Productive Other	NP
SP / Tenure	Type = WTRA or WTP	WTRA / WTP
SP / Tenure	Type = Reserve	Reserves
SP / Tenure	Type = Other	Other
SP / Tenure	Net (ha)	NAR

Table 4 - Area Under the Plan



- NP includes swamp, rock, wetland, NCBR, immature, etc.
- Other includes any SU types that have not been defined to fit into the other categories.
- The NAR is the sum of all productive SU areas.

Data Entry Requirements for Generating a Block Site Plan Report



Additional Comments

ADDITIONAL COMMENTS

AMENDMENT SUMMARY
Test for Functionality of Comments targeted for Front Page of Site Plan. Nov 20, 2008
HARVESTING CONSTRAINTS
All windfirm non-merchantable patches of subalpine fir (Bl) poles (<17.5cm dbh, >7.4cm dbh) are to be retained as individual stems or within patches where encountered. Retain all windfirm deciduous stems >7.5cm dbh from harvest (At and Ac). Sapling-sized Sx and Bl stems are to be retained in patches. Saplings are defined as trees >1.3m in height with a dbh <7.5cm and provide valuable forage and cover attributes for ungulates, bears and small mammals. Use care to protect patches of this type of understory where encountered. Leave trees and saplings retained on the block will contribute to stand structural diversity, thermal and visual cover. Retention will occur only where it does not impede road construction, felling, decking or safety.

Figure 37 - Additional Comments

To populate this section:

- Select the **Comments** tab in the **SP Window**;
- Click  to open the **Comment Editor** window;
- Select SP-Tenure in the **Tag Value** drop-down list adjacent to the Genus Report Section tag type;
- Select Harvesting Constraints or Silviculture Constraints in the **Tag Value** drop-down list adjacent to the Silviculture Comment Header tag type;
- Enter comments in the **Comment** memo field.



Information regarding Harvest Constraints or Silviculture Constraints should be entered in this **Comments** tab.

Soil Disturbance

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	2.1	25.0	7.5
2	5.0	3.1		
3	5.0			
SU	CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING			
1	Winter harvest is preferred as the compaction and displacement is very high			
2	Winter harvest is recommended on this site due to compaction and displacement hazards.			
3	SP-SU-Summary-Ecology-Othr CSC's-SU3			

Figure 38 - Soil Disturbance

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SU / Soil	Max Allowable (%)	Max Allowable Soil Disturbance (%)
SU / Soil	Extent Soil Disturb Temp Exceeded by TAS%	Max. Amount TAS may exceed MASD Prior To Rehab (%)
SP / Soil	Max Roadside Disturbance	Max. Allowable Soil Disturbance For Roadside Work Areas (%)
SP / Soil	Max. Proportion of Total Area Allowed for Perm Access	Maximum Permanent Access Structures (%)
SU / Summary	Other Critical Site Conditions	Critical Site Conditions...

Table 5 - Soil Disturbance



The **SU** window is accessed by double-clicking a standard unit in the **Tenure** tab of the **SP** window.

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



Results and Strategies

RESULTS AND STRATEGIES

Biodiversity Objectives	
Result or Strategy Description	6.5.1 The result or strategy in respect of the objective set by government for wildlife and biodiversity at the landscape level is to ensure that, in the Lakes North and the Morice FDU, primary forest activities carried out or authorized by the TSM undertake to comply to the requirements of section 64 and 65 of the FPPR.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	
Result or Strategy Description	6.6.1 The result or strategy in respect of the objective set by government for wildlife and biodiversity at the stand level is to ensure that, in the Lakes North FDU and Morice FDU, primary forest activities carried out or authorized by the TSM undertake to comply to the requirements of section 66 and 67 of the FPPR.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	

Figure 39 – Results and Strategies

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SP / R&S	FSP Objective	(name) Objectives
SP / R&S	Description	Result or Strategy Description
SP / R&S	Applies (checked off = Yes / unchecked = No)	Applies
SP / R&S	How Result or Strategy is being met (if Applies is checked off)	How Result or Strategy Applies to the Site (or Rationale if it does not apply)
SP / R&S	Rationale (if Applies is unchecked)	How Result or Strategy Applies to the Site (or Rationale if it does not apply)

Table 6 – Results and Strategies

Stocking Requirements

STOCKING REQUIREMENTS

SU	NAR	STANDARDS ID #	OTHER PERFORMANCE STANDARDS
1	25.0	MultiLayer	
2	5.0	MultiLayer	
3	3.0	1010353	
COMMENTS	The site index on this block is moderate to high for the area. The trees growing on the site now are large and quite tall, the future plantation should also exhibit good growing characteristics.		

Figure 40 – Stocking Requirements

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SU / Summary	Standard Unit	SU
SU / Summary	SU Area (ha)	NAR
SU / Stocking	Standards ID	Standards ID #
SU / Stocking	Other Performance Standards	Other Performance Standards
SP / Stocking	Other Required Stocking Information	Comments

Table 7 – Stocking Requirements

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



Administration

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2006 08 16	YES
1	2006 10 25	YES
Std Amendment Rationale: Applicable Report/Amendment Comments or Rationale/Signing and Sealing RPF and #		

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
DATE SIGNED	
2006/10/25	
I certify I personally completed the work described herein.	

Map attached forms an integral part of the site plan.

Figure 41 - Administration

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SP / Admin	Amendment Number	Amendment Number
SP / Admin	Submission Date	Date Typed
SP / Admin	Map Req'd?	Map Required?
SP / Admin	Std Amendment Rationale	Std Amendment Rationale
SP / Admin	Responsibility	RPF Printed Name
SP / Admin	Submission Date	Date Signed

Table 8 - Administration

2. Support Document

Tenure Identification

SUPPORT DOCUMENT

AMENDMENT # 1

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
GENUS_SPDT	-	GENUS_SPDT	40BA3LE	093F082_3LE	Morice	Ootsa FSR (LS FDU)	53 53 04 / 125 41 44

Figure 42 - Tenure Identification

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
Licence / Details	Licence ID	Licence #
Appraisal Detail	Permit	CP
Cut Block / Details	Block ID	Block
Cut Block / Details	UBI	UBI
Cut Block / Details	Opening Number	Opening Number
Operating Plan / Blocks	FDU (name)	FDU
Cut Block / Details	Location	Location
Cut Block / Details	Lat/Long	Latitude / Longitude

Table 9 - Tenure Identification



The **Permit** drop-down list in the **Permit** tab of the **Appraisal Detail** window is auto-populated with the Permit IDs or the auto-generated Appraisal IDs (i.e., when a cut permit does not exist) associated with the selected licence.



Original will appear, on the right, unless an amendment has been entered in the **Admin** tab of the **SP** window then Amendment # will appear.

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



Assessments

ASSESSMENTS

VISUAL IMPACT ASSESSMENT INFORMATION
Approximately 80 % of Block 1 is classed as Maximum Modification (MM) The remainder of the block (northeastern most portion) has no visual classification (NVC). Based on the recoe, cruise and SP field phases, it was determined that the bulk of the block consisted of low amounts of blowdown within the block. A section of high blowdown area occurs within a small sliver of the block (southeastern portion). In order to maintain the scenic nature of the block, dispersed and clumped retention of pole sized BI and deciduous species (At, Ac) will be retained where operationally possible. Sapling sized BI and Sx will be retained where possible to aid in the visual absorption of the block. Furthermore, the adjacent blocks are visually greened-up which will aid as a visual buffer. A VIA will not be required for this area as stated in the letter sent out by the District Manager with regards to Beetle Management Within known Scenic Areas (October 30, 2001).
PEST INCIDENCE SURVEY INFORMATION
Pest Specific Comments
IBM and IBS incidence numbers were determined from cruise compilation damage reports. The potential for rusts and mistletoe will likely be minor within the planted trees as there is a low incidence within the pre-harvest stand (good species mix). Planting in a mixed bag fashion at higher densities (1800 stems/ha) will further reduce the chance of rust / mistletoe spread. Spruce beetle is of low incidence at present. As the block will be planted with a species mix (PII / Sx) and given the fact that there will be significant natural infill of BI, there will be enough species diversity that it should not be a concern.
Forest Health Comments
PEST CODE INCIDENCE OR RATING IBM 25% of the PI is infested with Mountain Pine Beetle. IBS 4% of the Sx is infested with Spruce Beetle DMP Low incidence of mistletoe observed during the SP fieldwork. DSG, DSC, DSS Low incidence of rusts observed on young pine within stand during the SP fieldwork.

Figure 43 - Assessments

Visual Impact Assessment Information

Click the **Visual Landscape** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Pest Incidence Survey Information

Pest Specific Comments

Click the **Forest Health** radio button in the Management Strategies section in the **Strategy** tab of the **SP** window and *enter* comments in the **Pest Specific Comments** field to populate this sub-section.

Forest Health Comments

Click the **Forest Health** radio button in the Management Strategies section in the **Strategy** tab of the **SP** window and *enter* comments in the **General Forest Health** field to populate this sub-section.

Archaeological Impact Assessment Information

Click the **Archaeological Sites** radio button in the Management Strategies section in the **Strategy** tab of the **SP** window and *enter* comments to populate this sub-section.

Terrain Stability Field and Gully Assessments Information

Terrain Stability Comments

Enter comments in the **Slope Stability Indicators** comment field in the **Soil** tab of the **SP** window to populate the first part of this sub-section.

Data Entry Requirements for Generating a Block Site Plan Report

Gully Comments

Click the **Gully** radio button in the Management Strategies section in the **Strategy** tab of the **SP** window and enter comments to populate the second part of this sub-section.

Riparian Assessments

RIPARIAN ASSESSMENTS					
Management Strategies					
There is one stream (Strm1-S3) and a Non Classified Drainage (NCD 1) in this block. Refer to Riparian Assessments Section for specific management strategies.					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
Strm1 S3	RMZ	1,2	20.0	2- 4 m2/ha; 20 sph	RMZ: Harvest will occur within the RMZ of Stream 1. Basal Area Retention to be 25%: Deciduous: 2-6 sph >=25cm DBH Coniferous: 10-45 sph 10cm-34cm DBH Dead: 2 sph 45cm DBH
	RRZ	1,2	20.0		RRZ: The RRZ of Stream 1 will be fully contained within the WTP and no require any special management.
NCD1 UC	MFZ		5.0	2- 2 m2/ha; 150 sph	Directional Handfelling of merchantable Sx and Pli will occur inside the MFZ. One skid crossing will be located at the NW section of NCD 1. A temporary skid crossing may be used if after the removal of timber the material used in the crossing are removed and the integrity of the channel has been maintained to allow for spring freshet.

Figure 44 – Riparian Assessments

Management Strategies

Click the **Riparian** radio button in the Management Strategies section in the **Strategy** tab of the **SP** window and enter comments to populate this sub-section.

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SP / Strategy	Riparian/Lake ID and Rip/Lk Class	Riparian I.D. and Class
SP / Strategy	Area	RMA
SP / Strategy	SU XRef	SU
SP / Strategy	Width (m)	Width (m)
SP / Strategy	Min BA, Max BA, Min Dens.	BA or SPH Retained
SP / Strategy	Management Comments	Comments

Table 10 – Riparian Assessments



Clicking  in the Riparian Zone Details section will allow access to the **Management Comments** field.

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Data Entry Requirements for Generating a Block Site Plan Report



Soil Assessment

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	VH	M	VH	15.0	25.0	SG	
2	VH	VH	VH	20.0	35.0	C	
3	VH	VH	N/A	1.0	1.0	SEEP	
COMMENTS							
<p>SU CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING</p> <p>1 Within EUA the soil compaction hazard is rated as moderate overall due to the sandy-loam (SL) texture of the soil. Within EUB the soil compaction hazard is rated as high overall due to the silty-loam (SiL) texture of the soil. Within both EU's harvesting will be permitted during late summer or fall with dry soil conditions.</p> <p>2 The soil compaction hazard is rated as very high overall due the silty clay loam (SiCL) texture of the soil. Harvesting activities are preferred within the winter season when the soils are frozen. As an alternative, harvesting may be permitted in the late summer or fall under dry conditions prior to the snow depth reaching greater than 1 ft. Harvesting operations will be shutdown during pro-longed periods of moisture /rain fall. The following precautions will apply to ground based operations: Machine traffic should be minimised within this area and low impact machinery should be used to minimise the amount of soil disturbance.</p> <p>COMMENTS : *During the SP fieldwork it was observed that due to the moderate to high windfall within the block the current soil disturbance is a lot higher than the maximum allowable levels specified for the SU's. The current soil disturbance primarily consists of upturned root wads which has left moderate to large depressions of exposed mineral soil. The amount of site degradation varied depending on the severity of the windthrow. Current site degradation estimates (%) were completed during the SP phase with average values being determined for both SU's. The site degradation for SU 1 was estimated at 10 % and SU 2 estimated at 20 %. These percentages are above the maximum allowable soil disturbances resulting in anticipated soil disturbance values of 20% for SU 1 and 25% for SU 2 after harvest. Therefore a variance for the maximum allowable site degradation for both SU's is required in order to reflect the anticipated percentage soil disturbance for the areas.</p>							

Figure 45 - Soil Assessments

Enter data in the fields in the **Soil** tab of the **SU** window to populate this section (exception Comments field).

Enter comments in the **Soil Conservation Comments** field in the **Soil** tab of the **SP** window to populate the **Comments** field in this section.

Reserve / Retention Information

RESERVE / RETENTION INFORMATION

WTRA / WTP (INSIDE OR ATTRIBUTED TO THE BLOCK)						
I.D.#	Area	Description				
WTRA	4.5	The WTRA will contain immature to nearly mature sub-alpine fir as well as many Spruce/Pine veterans. These trees will function as cover and maintenance of forage for wildlife as well as maintenance of biological diversity. The soils and ecology are similar to SU 2.				
OTHER RESERVE AREAS (INSIDE OR ATTRIBUTED TO THE BLOCK)						
I.D.#	Area	Description				
DEF	6.0	The Deferred Area will contain immature to nearly mature sub-alpine fir as well as many spruce veterans. These trees will function as cover and maintenance of forage for wildlife as well as maintenance of biological diversity. The soils and ecology are similar to SU 1.				
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	%
GENUS_OPTT	66.0	0.0	0.0	ICH/mk/1	1.0	1.5
GENUS_SPDT	45.0	4.5	10.0	SBS/dk/	1.5	3.3
Total # of Blocks: 2	111.0	4.5	4.1		2.5	2.3

Figure 46 - Reserve / Retention Information

Enter data in the following fields in Resources to populate the corresponding fields in this sub-section:

Window / Tab	Resources Field	Report Field
WTRA / WTP (INSIDE OR ATTRIBUTED TO THE BLOCK)		
SU / Summary	Standard Unit (Type = WTRA / WTP)	I.D. #
SU / Summary	SU Area (ha)	Area
SU / Summary	Description	Description
OTHER RESERVE AREAS (INSIDE OR ATTRIBUTED TO THE BLOCK)		
SU / Summary	Standard Unit (Type = Reserve)	I.D. #
SU / Summary	SU Area (ha)	Area
SU / Summary	Description	Description
GROUP WTRA / WTP AND SITE DEG. CALCULATION (to be retained on the first block of the Permit only)		
Cut Block / Details	Block ID	Block
SP / Tenure	Gross (ha)	Gross Cutblock Area
SU / Summary	SU Area (Type = WTRA / WTP)	WTRA / WTP
N/A (see note below)	N/A	%
SU / Summary	Zone, Subzone, Variant (dominant on cut block)	BEC

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Data Entry Requirements for Generating a Block Site Plan Report



Window / Tab	Resources Field	Report Field
SP / Tenure	SU Area (ha) (total area when Type = Non-Productive Permanent Access)	Perm. Access
N/A (see note below)	N/A	%

Table 11 - Reserve / Retention Information



- The system calculates the % field for the specified cut block, ($N = \text{WTRA/WTP} / \text{Gross Cutblock Area}$).
- The **Zone**, **Subzone**, and **Variant** fields are populated from the **Detail** tab in the **Ecology Unit** window.
- The system calculates the percentage of the cut block occupied by permanent access structures for the % field, ($N = \text{Perm. Access} / \text{Gross Cutblock Area}$).

Supporting Information

SUPPORTING INFORMATION

HLP/FSP CONSIDERATIONS
Wildlife/Endangered Species Comments
There are no significant wildlife habitat rankings within this block. The TSL is in the M2 zone for Ungulate Habitat Areas classification. Moose: Class 1 and 2 lands characterized by high to very high capability to support moose populations through the winter months. Class 1 and 2 were combined to give a more representative picture of significant winter range in the district. Class 1 range focuses on lowland riparian areas critical to moose for forage under severe winter conditions.

Figure 47 - Supporting Information

HLP/FSP Considerations

Biodiversity Emphasis / L.U. Comments

Click the **Biological Diversity** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Wildlife / Endangered Species Comments

Click the **Wildlife** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Range Comments

Click the **Range** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Fisheries Comments

Click the **Fisheries** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Watersheds / Hydro Assessments Comments

Click the **Watersheds** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Sensitive Areas Comments

Click the **Sensitive Areas** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Recreation Comments

Click the **Recreation** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Cultural Heritage Comments

Click the **Cultural Heritage** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Other Resources Comments

Click the **Other Resources** radio button in the Post Harvest Site Conditions section in the **Objectives** tab of the **SP** window and *enter* comments to populate this sub-section.

Additional Comments

ADDITIONAL COMMENTS:
Avalanche Assessments
Not Applicable if harvesting occurs in the Summer
Connectivity Corridor
Stand Level Connectivity has been enhanced through the retention of RMA's within the Block and maintain connectivity with the established FEN's in the LU.

Figure 48 - Additional Comments

To populate this section:

- Select the **Comments** tab in the **SP** Window;
- Click  to open the **Comment Editor** window;
- Select SP-Planning in the **Tag Value** drop-down list adjacent to the Genus Report Section tag type;
- Select the appropriate comment heading in the **Tag Value** drop-down list adjacent to the Silviculture Comment Header tag type;
- Enter comments in the **Comment** memo field.



Additional support information regarding the selected cut block should be entered in this **Comments** tab.

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



Administration

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2006 08 16	YES
1	2006 10 25	YES
Std. Amendment Rationale: Applicable Report/Amendment Comments or Rationale/Signing and Sealing RPF and #		

Figure 49 - Administration

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SP / Admin	Amendment Number	Amendment Number
SP / Admin	Submission Date	Date Typed
SP / Admin	Map Req'd?	Map Required?
SP / Admin	Std. Amendment Rationale	Std. Amendment Rationale

Table 12 - Administration

3. Harvest Plan Report

HARVEST PLAN

AMENDMENT # 1

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
GENUS_SPDT	-	GENUS_SPDT	40BA3LE	093F082_3LE	Morice	Ootsa FSR (LS FDU)	53 53 04 / 125 41 44

Figure 50 - Tenure Identification

Tenure Identification

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
Licence / Details	Licence ID	Licence #
Appraisal Detail	Permit	CP
Cut Block / Details	Block ID	Block
Cut Block / Details	UBI	UBI
Cut Block / Details	Opening Number	Opening Number
Operating Plan / Blocks	FDU (name)	FDU
Cut Block / Details	Location	Location
Cut Block / Details	Lat/Long	Latitude / Longitude

Table 13 - Tenure Identification



The **Permit** drop-down list in the **Permit** tab of the **Appraisal Detail** window is auto-populated with the Permit IDs or the auto-generated Appraisal IDs (i.e., when a cut permit does not exist) associated with the selected licence.



Original will appear, on the right, unless an amendment has been entered in the **Admin** tab of the **SP** window then Amendment # will appear.

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Data Entry Requirements for Generating a Block Site Plan Report



Silviculture Systems

SILVICULTURE SYSTEMS

SU	SYSTEM	VARIANT	PHASE	RESERVE	Min BA (m2/ha)	Min Residual Density (sph)
1,3	SELEC	GRP		G	5.0	199.0
Current Stand Structure/Site Conditions			SP-Systems-SELEC/GRP: Stand Struct. comments			
Silviculture Systems SU Comments			SU-1: SP-SU-Silv Systems-SU1-SELEC/SIN Silv Sys Comments SU-3: SP-SU-Silv System Comments for SU-SU3			
Min. Characteristics of Leave Trees (Form, Health, Vigour)			SP-Systems-SELEC/GRP: Min Char Lve Trees			
SU	SYSTEM	VARIANT	PHASE	RESERVE	Min BA (m2/ha)	Min Residual Density (sph)
2	SELEC	SIN		D	2.0	150.0
Current Stand Structure/Site Conditions			SP-Systems-SELEC/SIN: Current Stand Strct/SC's			
Silviculture Systems SU Comments			SU-2: SP-SU-Silv Systems-SU2-SELEC/GRP Silv Sys Comments			
Min. Characteristics of Leave Trees (Form, Health, Vigour)			SP-Systems-SELEC/SIN: Min Char of Lve Trees			
Additional Comments						
Silvicultural Constraints		SP-Comments-SP-Harvest-SilvConstraints-Silvicultural Constraints				

Figure 51 - Silviculture Systems

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SU / Summary	Standard Unit	SU
SP / Systems	System	System
SP / Systems	Variant	Variant
SP / Systems	Phase	Phase
SP / Systems	Reserve	Reserve
SP / Systems	Min. Residual BA (m ² /ha)	Min BA (m ² /ha)
SP / Systems	Min Residual Density (st/ha)	Min Residual Density (sph)
SP / Systems	Current Stand Structure/Site Conditions	Current Stand Structure/Site Conditions
SU / Silvicultural System	Silvicultural System Comments for SU	Silviculture Systems SU Comments
SP / Systems	Minimum characteristics of leave trees	Min. Characteristics of Leave Tree (Form, Health, Vigour)
SP / Comments	Comment (Genus Report Section = SP-Harvest-SilvConstraints and Silviculture Comment Header = SP-Harvest-SilvConstraints)	Additional Comments

Table 14 - Silviculture Systems

Soil Assessment

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	VH	M	VH	10.0	2.1	7.5	25.0	15.0	25.0	Sand and Gravel	
2	VH	VH	VH	5.0	3.1			20.0	35.0	Compacted Materials	
3	VH	VH	N/A	5.0				1.0	1.0	Seepage	
SU	Critical site conditions that affect the timing of operations and how they affect the timing										
1	Winter harvest is preferred as the compaction and displacement is very high										
2	Winter harvest is recommended on this site due to compaction and displacement hazards.										
3	SP-SU-Summary-Ecology-0thr CSC's-SU3										

Figure 52 – Soil Assessment

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SU / Summary	Standard Unit	SU
SU / Soil	Soil Compaction	Soil Comp.
SU / Soil	Surface Soil Erosion	Soil Erosion
SU / Soil	Soil Displacement	Soil Disp.
SU / Soil	Max Allowable (%)	Max Allow Soil Dist %
SU / Soil	Extent Soil Disturb Temp Exceeded by TAS%	Max. Allow Max Amount TAS may exceed MASD prior
SP / Soil	Max. Proportion of Total Area Allowed for Perm Access	Max Allow Perm Access Structures %
SP / Soil	Max Roadside Disturbance	MASD for Roadside Work Areas %
SU / Soil	Depth to Unfavourable Subsoil – Min (cm)	Depth to Unfavourable Subsoil – Min (cm)
SU / Soil	Depth to Unfavourable Subsoil – Max (cm)	Depth to Unfavourable Subsoil – Max (cm)
SU / Soil	Unfav Subsoil Type	Type of Unfavourable Subsoil
SU / Soil	Sediment Delivery Risk	Sediment Delivery Risk (Comm. Watershed)

User Guide – Resources



Data Entry Requirements for Generating a Block Site Plan Report

Window / Tab	Resources Field	Report Field
SU / Summary	Other Critical Site Conditions	Critical site conditions that affect the timing of operations and how they affect the timing

Table 15 – Soil Assessment

SU Management Comments

SU MANAGEMENT COMMENTS	
SU	SU Description
1	This area is dominated by a mature pine leading stand with a minor spruce, balsam component. The topography is rolling with slopes ranging from 5 to 35 % over a southeast aspect. The ecological classification indicates the area is mesic (01) with a 30 % component of sub-mesic to sub-xeric (02). The drier portions are confined to the upper to crest slope positions. Soil texture is a silty loam with 15-30 % coarse fragment content. A compact till layer was noted at a varying depth of 20-35 cm. The understory layer consists of advanced spruce and sub-alpine fir (200-1500/ha) of poor quality. There are a few scattered spruce and sub-alpine fir poles (<25/ha) of acceptable quality. Vegetation is somewhat patchy consisting of alder, huckleberry and palmate colt's foot. The coarse woody debris is generally low ranging from 10-20 m ³ /ha.
2	This area is dominated by a mature spruce leading stand with a minor pine, balsam component. The topography is rolling with slopes ranging from 5 to 20 % over a southwest aspect. The ecological classification indicates the area is mesic/submesic (05/06). Soil texture is a sand/fine loam with 15-30 % coarse fragment content. A compact till layer was noted at a varying depth of 20-35 cm. The understory layer consists of sub-alpine fir (200-1000/ha) of poor quality. There are a few scattered spruce and sub-alpine fir poles (<25/ha) of acceptable quality. Vegetation is somewhat patchy consisting of alder, aspen and fireweed.
3	SP-SU-Summary-SU Description SU3

Figure 53 - SU Management Comments

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SU / Summary	Standard Unit	SU
SU / Summary	Standard Unit	Description

Table 16 - SU Management Comments

Soil Management Comments

SOIL MANAGEMENT COMMENTS
<p>Soil Conservation</p> <p>SU CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING</p> <p>1 Within EUA the soil compaction hazard is rated as moderate overall due to the sandy-loam (SL) texture of the soil. Within EUB the soil compaction hazard is rated as high overall due to the silty-loam (SIL) texture of the soil. Within both EU's harvesting will be permitted during late summer or fall with dry soil conditions.</p> <p>2 The soil compaction hazard is rated as very high overall due to the silty clay loam (SiCL) texture of the soil. Harvesting activities are preferred within the winter season when the soils are frozen. As an alternative, harvesting may be permitted in the late summer or fall under dry conditions prior to the snow depth reaching greater than 1 ft. Harvesting operations will be shutdown during pro-longed periods of moisture / rainfall. The following precautions will apply to ground based operations: Machine traffic should be minimised within this area and low impact machinery should be used to minimise the amount of soil disturbance.</p> <p>COMMENTS : During the SP fieldwork it was observed that due to the moderate to high windfall within the block the current soil disturbance is a lot higher than the maximum allowable levels specified for the SU's. The current soil disturbance primarily consists of upturned root wads which has left moderate to large depressions of exposed mineral soil. The amount of site degradation varied depending on the severity of the windthrow. Current site degradation estimates (%) were completed during the SP phase with average values being determined for both SU's. The site degradation for SU 1 was estimated at 10% and SU 2 estimated at 20%. These percentages are above the maximum allowable soil disturbances resulting in anticipated soil disturbance values of 20% for SU 1 and 25% for SU 2 after harvest. Therefore a variance for the maximum allowable site degradation for both SU's is required in order to reflect the anticipated percentage soil disturbance for the areas.</p>
<p>Temporary Access</p>
<p>Slope Instability</p> <p>Based on higher level information the southern portion of the block shows areas of unstable terrain. Terrain stability was assessed within the area of high concern during the SP fieldwork. This area is located within a large bedrock gully system located along the southern boundary. There is a thin veneer of mineral soil overlying bedrock for the most part. There is lots of advance regen (BI) and Sitka alder along the gully sidewalls and there is mature Sx (Pli BI) within the gully system. The ground generally slopes away from the gully, draining into the block. From the field observations it was determined that there are no terrain stability concerns within this area. Furthermore, there was no indication that any slides or slumping occurred in the past. A formal terrain assessment is not required.</p>

Figure 54 – Soil Management Comments

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SP / Soil	Soil Conservation Comments	Soil Conservation
SP / Soil	Temporary Access Comments	Temporary Access
SP / Soil	Slope Instability Indicators	Slope Instability

Table 17 - Soil Management Comments

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Data Entry Requirements for Generating a Block Site Plan Report



Riparian Assessments

RIPARIAN ASSESSMENTS					
Management Strategies					
There is one stream (Strm1-S3) and a Non Classified Drainage (NCD 1) in this block. Refer to Riparian Assessments Section for specific management strategies.					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
Strm1 S3	RMZ	1.2	20.0	2- 4 m2/ha; 20 sph	RMZ: Harvest will occur within the RMZ of Stream 1. Basal Area Retention to be 25%: Deciduous: 2-6 sph >=25cm DBH Coniferous: 10-45 sph 10cm-34cm DBH Dead: 2 sph 45cm DBH
	RRZ	1.2	20.0		RRZ: The RRZ of Stream 1 will be fully contained within the WTP and no require any special management.
NCD1 UC	MFZ		5.0	2- 2 m2/ha;150 sph	Directional Handfelling of merchantable Sx and Pli will occur inside the MFZ. One skid crossing will be located at the NW section of NCD 1. A temporary skid crossing may be used if after the removal of timber the material used in the crossing are removed and the integrity of the channel has been maintained to allow for spring freshet.

Figure 55 - Riparian Assessments

Management Strategies

Click the **Riparian** radio button in the Management Strategies section in the **Strategy** tab of the **SP** window and enter comments to populate this sub-section.

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SP / Strategy	Riparian/Lake ID and Rip/Lk Class	Riparian I.D. and Class
SP / Strategy	Area	RMA
SP / Strategy	SU XRef	SU
SP / Strategy	Width (m)	Width (m)
SP / Strategy	Min BA, Max BA, Min Dens.	BA or SPH Retained
SP / Strategy	Management Comments	Comments

Table 18 – Riparian Assessments



Clicking  in the Riparian Zone Details section will allow access to the **Management Comments** field.

Coarse Woody Debris Management Strategy Information

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION			
<p>Wood not included in Close Utilization Standards may be retained on site unless burned for silvicultural, pest control or fire hazard reasons. There is currently a moderate to high amount of CWD on site. Retention of dispersed stems (including snags) or patches of trees will contribute to future CWD recruitment.</p> <p>CWD pieces should be large logs, which are defined as logs longer than 15 metres in length and a diameter greater than 20 cm at the butt. Smaller pieces should also be maintained but the focus should be to maintain all possible larger stems within the strategies outlined.</p> <p>As per the CSA standards CWD will be maintained throughout the block. The following strategies should be utilized:</p> <ol style="list-style-type: none"> 1. Leave logs standing or lower and leave intact logs estimated to be grade 5 (dead and dry with severe check or rotten) or poorer; 2. Fall or stub dead grade 5 or lower trees and place in or alongside an existing clump where possible, or create a new clump or row; 3. If possible, place felled snags and stub tops in a natural orientation such as jackstrawed so that is simulated natural deadfall. 			
Performance Std. (%):	Block Target (%):	Coarse Woody Debris (m ³ /ha):	4.0

Figure 56 - Coarse Woody Debris Management Strategy Information

To populate this section:

- Select the **Objectives** tab in the **SP** window;
- Click the **Coarse Woody Debris** radio button in the Post Harvest Site Conditions section;
- Enter comments;
- Populate the **Performance Std. (%)**, **Block Target (%)**, and **Coarse Woody Debris (m³/ha)** fields.

Data Entry Requirements for Generating a Block Site Plan Report



Definitions

DEFINITIONS

Amendment Summary				
WTP: WTP area has been adjusted to attain the necessary Stand Level Structural Diversity listed in the TBA FSP 2006-2011 Section 6.1.1.1 Obj 6 FDU = LS				
Riparian Management Area				
RIPARIAN ASSESSMENTS				
Management Strategies				
Riparian I.D. and Class	RMA\$U	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
Strm 1 RRZ 1 20				Management Comments unique to each zone appear here.
S3 RMZ1,2 20				Management Comments unique to each zone appear here.
NCD 1 UC MFZ 1 5				MFZ Mgt Comments to appear here.
Strm 2 S6 RMZ2 20				RMZ Mgt Comments to appear here.

Figure 57 - Definitions

To populate this section:

- Select the **Comments** tab in the **SP** Window;
- Click  to open the **Comment Editor** window;
- Select SP-Harvest-Definition in the **Tag Value** drop-down list adjacent to the Genus Report Section tag type;
- Select Definitions in the **Tag Value** drop-down list adjacent to the Silviculture Comment Header tag type;
- Enter comments in the **Comment** memo field.

Administration

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2006 08 16	YES
1	2006 10 25	YES
Std Amendment Rationale: Applicable Report/Amendment Comments or Rationale/Signing and Sealing RPF and #		

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
DATE SIGNED	
2006/10/25	
I certify I personally completed the work described herein.	

Figure 58 - Administration

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SP / Admin	Amendment Number	Amendment Number
SP / Admin	Submission Date	Date Typed
SP / Admin	Map Req'd?	Map Required?
SP / Admin	Std. Amendment Rationale	Std. Amendment Rationale
SP / Admin	Responsibility	RPF Printed Name
SP / Admin	Submission Date	Date Signed

Table 19 - Administration

4. Silviculture Plan Report

Tenure Identification

SILVICULTURE PLAN

AMENDMENT # 1

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
GENUS_SPDT	-	GENUS_SPDT	40BA3LE	093F082_3LE	Monice	Ootsa FSR (LS FDU)	53 53 04 / 125 41 44

Figure 59 - Tenure Identification

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
Licence / Details	Licence ID	Licence #
Appraisal Detail	Permit	Cutting Permit
Cut Block / Details	Block ID	Block
Cut Block / Details	UBI	UBI
Cut Block / Details	Opening Number	Opening Number
Operating Plan / Blocks	FDU (name)	FDU
Cut Block / Details	Location	Location
Cut Block / Details	Lat/Long	Latitude / Longitude

Table 20 - Tenure Identification



The **Permit** drop-down list in the **Permit** tab of the **Appraisal Detail** window is auto-populated with the Permit IDs or the auto-generated Appraisal IDs (i.e., when a cut permit does not exist) associated with the selected licence.



Original will appear, on the right, unless an amendment has been entered in the **Admin** tab of the **SP** window then Amendment # will appear.

Ecological Information

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	C	25.0	SBS	dk		06-100	1,050	24	NE	Lower Slope		
2	B	5.0	SBS	mc	2	05-50 01-50	1,045	13	SW	Lower Slope	21	SICL
3	A	3.0	SBS	dk		01-100	850	6	SW	Middle Slope	24	SICL

Figure 60 - Ecological Information

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SP / Ecology	Standard Unit	SU
SP / Ecology	Ecology Unit	Ecology Unit
SP / Ecology	Area (ha)	Area
Ecology Units / Detail	Zone	Zone
Ecology Units / Detail	Subzone	Subzone
Ecology Units / Detail	Variant / Phase	Variant / Phase
Ecology Units / Detail	Site Series (series - %)	Site Series (series - %)
Ecology Units / Detail	Elevation – Avg (m)	Elevation Avg (m)
Ecology Units / Detail	Slope - Avg (%)	Slope Avg %
Ecology Units / Detail	Aspect	Aspect
Ecology Units / Detail	Position	Slope Position
Ecology Units / Soil	Rooting Depth (cm)	Rooting Depth (cm)
Ecology Units / Soil	Texture	Soil Texture

Table 21 - Ecological Information



- The **Standard Unit** field is populated from the **Summary** tab in the **SU** window.
- The **Ecology Unit** field is populated from the **Detail** tab in the **Ecology Unit** window.

Stocking Requirements

STOCKING REQUIREMENTS				
ASSESSMENT DATES				
Standard Unit	Standards ID	Regen Delay (yrs)	Freegrow Early (yrs)	Freegrow Late (yrs)
1	MultiLayer	7	12	15
2	MultiLayer	7	12	15
3	1010353	4		20
Min/Max Elevation Regime: 800 / 1120				

Figure 61 - Stocking Requirements

Assessment Dates

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SU / Summary	Standard Unit	Standard Unit
SU / Stocking	Standards ID	Standards ID
SU / Stocking	Regen Delay Yrs	Regen Delay (yrs)
SU / Stocking	Free Grow Early	Freegrow Early (yrs)
SU / Stocking	Free Grow Late	Freegrow Late (yrs)
Ecology Unit / Detail	Elevation – Min. (m) / Max. (m)	Min/Max Elevation Regime

Table 22 - Stocking Requirements



- The **Regen Delay Yrs**, **Free Grow Early**, and **Free Grow Late** fields are populated from the **Standards** tab in the **Silviculture Standards** maintenance table.

Data Entry Requirements for Generating a Block Site Plan Report

Layer Information

SU : 1 REGENERATION LAYER										
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY (pi)				MAX CONIFEROUS (sph)
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	0	Max	0	10000
Sx Hybrid Spruce (SE x SW)	1.0					WELL SPACED TREES (sph)				
Pli Lodgepole Pine - Interior	2.0					Target Pref/Acc		Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						1200		700	600	2.0
									Height Relative to Competition (%)	
									150	

Figure 62 - Layer Information

This section will populate with the appropriate data entered in the **Stocking** tab of the **SU** window for the selected Standards ID.



- The **Stocking** tab fields are populated from the **Layer Standards** tab in the **Silviculture Standards** maintenance table.

Other Required Stocking Information

OTHER REQUIRED STOCKING INFORMATION
The site index on this block is moderate to high for the area. The trees growing on the site now are large and quite tall, the future plantation should also exhibit good growing characteristics.

Figure 63 - Other Required Stocking Information

Enter comments in the **Other Required Stocking Information** field on the **Stocking** tab of the **SP** window.

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



Silviculture Activity Comments

SILVICULTURE ACTIVITY COMMENTS	
ACTIVITY	COMMENT

Figure 64 - Silviculture Activity Comments

To populate this section:

- Select the **Comments** tab in the **SP** Window;
- Click  to open the **Comment Editor** window;
- Select SP-Harvest-Definition in the **Tag Value** drop-down list adjacent to the Genus Report Section tag type;
- Select Definitions in the **Tag Value** drop-down list adjacent to the Silviculture Comment Header tag type;
- Enter comments in the **Comment** memo field.

Management Strategy

MANAGEMENT STRATEGY

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION			
Wood not included in Close Utilization Standards may be retained on site unless burned for silvicultural, pest control or fire hazard reasons. There is currently a moderate to high amount of CWD on site. Retention of dispersed stems (including snags) or patches of trees will contribute to future CWD recruitment. CWD pieces should be large logs, which are defined as logs longer than 15 metres in length and a diameter greater than 20 cm at the butt. Smaller pieces should also be maintained but the focus should be to maintain all possible larger stems within the strategies outlined. As per the CSA standards CWD will be maintained throughout the block. The following strategies should be utilized: 1. Leave logs standing or lower and leave intact logs estimated to be grade 5 (dead and dry with severe check or rotten) or poorer; 2. Fall or stub dead grade 5 or lower trees and place in or alongside an existing clump where possible, or create a new clump or row; 3. If possible, place felled snags and stub tops in a natural orientation such as jackstrawed so that is simulated natural deadfall.			
Performance Std. (%):	Block Target (%):	Coarse Woody Debris (m ³ /ha):	4.0

Figure 65 – Management Strategy

To populate this section:

- Select the **Objectives** tab in the **SP** window;
- Click the **Coarse Woody Debris** radio button in the Post Harvest Site Conditions section;
- Enter comments;
- Populate the **Performance Std. (%)**, **Block Target (%)**, and **Coarse Woody Debris (m³/ha)** fields.

Administration

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2006 08 16	YES
1	2006 10 25	YES
Std Amendment Rationale:	Applicable Report/Amendment Comments or Rationale/Signing and Sealing RPF and #	

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
<div>DATE SIGNED</div> <div>2006/10/25</div> <div> <p>I certify that I have reviewed this document and, while I did not personally supervise the work described, I have determined that this work has been done to standards acceptable of a Registered Professional Forester.</p> </div>	

Figure 66 - Administration

Enter data in the following fields in Resources to populate the corresponding fields in this section:

Window / Tab	Resources Field	Report Field
SP / Admin	Amendment Number	Amendment Number
SP / Admin	Submission Date	Date Typed
SP / Admin	Map Req'd?	Map Required?
SP / Admin	Std Amendment Rationale	Std Amendment Rationale
SP / Admin	Responsibility	RPF Printed Name
SP / Admin	Submission Date	Date Signed

Table 23 - Administration



APPENDIX B

Block Site Plan

(This section contains an entire block site plan
generated in Resources)

TENURE IDENTIFICATION

AMENDMENT # 1

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
GENUS_SPDT	-	GENUS_SPDT	40BA3LE	093F082_3LE	Monroe	Ootsa FSR (LS FDU)	53 53 04 / 125 41 44

AREA UNDER THE PLAN

GROSS AREA (TAUP)	PAS	NP	WTRA / WTP	RESERVES	OTHER	NAR
47.0	1.5	0.0	6.5	6.0	0.0	33.0

ADDITIONAL COMMENTS

AMENDMENT SUMMARY
Test for Functionality of Comments targeted for Front Page of Site Plan. Nov 20, 2008
HARVESTING CONSTRAINTS
All windfirm non-merchantable patches of subalpine fir (BI) poles (<17.5cm dbh, >7.4cm doh) are to be retained as individual stems or within patches where encountered. Retain all windfirm deciduous stems >7.5cm dbh from harvest (At and Ac). Sapling-sized Sx and BI stems are to be retained in patches. Saplings are defined as trees >1.3m in height with a doh <7.5cm and provide valuable forage and cover attributes for ungulates, bears and small mammals. Use care to protect patches of this type of understory where encountered. Leave trees and saplings retained on the block will contribute to stand structural diversity, thermal and visual cover. Retention will occur only where it does not impede road construction, felling, decking or safety.

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	2.1	25.0	7.5
2	5.0	3.1		
3	5.0			
SU	CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING			
1	Winter harvest is preferred as the compaction and displacement is very high			
2	Winter harvest is recommended on this site due to compaction and displacement hazards.			
3	SP-SU-Summary-Ecology-Other CSC's-SU3			

RESULTS AND STRATEGIES

Biodiversity Objectives	
Result or Strategy Description	6.5.1 The result or strategy in respect of the objective set by government for wildlife and biodiversity at the landscape level is to ensure that, in the Lakes North and the Monroe FDU, primary forest activities carried out or authorized by the TSM undertake to comply to the requirements of section 64 and 65 of the FPPR.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	
Result or Strategy Description	6.6.1 The result or strategy in respect of the objective set by government for wildlife and biodiversity at the stand level is to ensure that, in the Lakes North FDU and Monroe FDU, primary forest activities carried out or authorized by the TSM undertake to comply to the requirements of section 66 and 67 of the FPPR.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



Cultural Heritage Resources	
Result or Strategy Description	1. Before the TSM carries out or authorizes forest practices, the TSM will ensure that a cultural heritage resource evaluation is conducted within areas: (a) That contains previously located or made known cultural heritage resources, (b) That are identified as high on the Cultural Overview Mapping for Cultural Heritage Resource features, or, (c) For which site-specific information regarding cultural heritage resources is brought forward or made available to the TSM.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	
Result or Strategy Description	2. If, during timber harvesting or road construction operations carried out or authorized by the TSM, a previously unidentified cultural heritage resource feature is encountered on an area, the TSM will ensure that operations will be modified or cease on the area to the extent necessary to protect the feature, until the newly discovered cultural heritage resource is assessed through another cultural heritage resource evaluation, without limiting section 70 of FPPR.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	
Result or Strategy Description	3. The TSM will ensure that forest practices carried out or authorized by the TSM will be consistent with the recommendations given in a cultural heritage resource evaluation.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	
Result or Strategy Description	4. During the term of this FSP, when preparing planned development, the TSM will make reasonable efforts to communicate with First Nation Bands that are affected by the proposed development.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	
Riparian Management	
Result or Strategy Description	6.4.1 The result or strategy in respect of the objective set by government for Water, Fish, Wildlife, and Biodiversity within Riparian Areas is to ensure that, in each FDU, primary forest activities carried out or authorized by the TSM to undertake to comply with the requirements of section 47 to 51, 52(2) and 53 of the FPPR.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	
Result or Strategy Description	Table or figure embedded in result or strategy. Please refer to original FSP document – 6.4.2 Prior to harvesting in a Riparian Management Zone (RMZ) in all FDUs, either: I the retention levels in the RMZ will be established by a qualified professional and the combined basal area of coniferous and deciduous tree species to be retained within each RMZ will, at a minimum, meet or exceed target percentages in Table 9, or, II If the riparian feature has a Riparian Reserve Zone (RRZ), a qualified professional may alternatively recommend a RRZ addition that will, at a minimum, meet or exceed target distances in Table 9
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	
Result or Strategy Description	Table or figure embedded in result or strategy. Please refer to original FSP document – 6.4.3 Within 5 metres of S4, S5 and S6 streams in all FDUs, all brush species, non-merchantable conifers and understorey deciduous stems will be retained except where: I. establishing a stream crossing within the road right of way. II. carrying out hand felling. III. carrying out cable or aerial yarding across or adjacent to the stream. IV. removing trees to address a safety concern. V. conducting manual brushing to release crop trees from competing vegetation. VI. carrying out mechanized felling and incidental stems are removed due to operational limitations of the machine.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	

Result or Strategy Description	In respect of the notice entitled "Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Winter Survival of Ungulate Species in the Morice Timber Supply Area", dated December 20, 2004 given under the authority of section 7 (2) of the Forest Planning and Practices Regulation, the TSM will, within the Morice FDU, 2. ensure that, (c) timber harvesting or road construction is not authorized within 400m of Identified Mountain Goat Habitat Areas (see FSP maps) unless at least 70% of the area outside, but within 400m of the mountain goat habitat areas (see FSP maps) is maintained in a mature and/or old seral condition to provide for mountain goat foraging opportunities, or a qualified professional confirms that a younger seral condition will provide adequate foraging opportunities within 400m of Identified Mountain Goat Habitat Areas (see FSP maps).
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	
Result or Strategy Description	In respect of the notice entitled "Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Winter Survival of Ungulate Species in the Morice Timber Supply Area", dated December 20, 2004 given under the authority of section 7 (2) of the Forest Planning and Practices Regulation, the TSM will, within the Morice FDU, 2. ensure that, (d) temporary access structures that have been constructed or authorized by the TSM after the commencement date of this FSP and are within 1 km of Mountain Goat Habitat Areas (see FSP maps) will be deactivated within 2 years following completion of harvesting.
Applies:	YES
How Result or Strategy Applies to the Site (or Rationale if it does not apply)	

STOCKING REQUIREMENTS

SU	NAR	STANDARDS ID #	OTHER PERFORMANCE STANDARDS
1	25.0	MultiLayer	
2	5.0	MultiLayer	
3	3.0	1010353	
COMMENTS	The site index on this block is moderate to high for the area. The trees growing on the site now are large and quite tall, the future plantation should also exhibit good growing characteristics.		

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2006 08 16	YES
1	2006 10 25	YES
Std Amendment Rationale: Applicable Report/Amendment Comments or Rationale/Signing and Sealing RPF and #		

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
DATE SIGNED	
2006/10/25	
I certify I personally completed the work described herein.	

Map attached forms an integral part of the site plan.

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



THE FOLLOWING INFORMATION IS ATTACHED FOR INFORMATION ONLY AND DOES NOT FORM PART OF THE SITE PLAN

SUPPORT DOCUMENT

AMENDMENT # 1

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
GENUS_SPDT	-	GENUS_SPDT	40BA3LE	093F082_3LE	Morice	Ootsa FSR (LG FDU)	53 53 04 / 125 41 44

ASSESSMENTS

VISUAL IMPACT ASSESSMENT INFORMATION
Approximately 80% of Block 1 is classed as Maximum Modification (MM). The remainder of the block (northeastern most portion) has no visual classification (NVC). Based on the reeco, cruise and SP field phases, it was determined that the bulk of the block consisted of low amounts of blowdown within the block. A section of high blowdown area occurs within a small sliver of the block (southeastern portion). In order to maintain the scenic nature of the block, dispersed and clumped retention of pole sized BI and deciduous species (At, Ac) will be retained where operationally possible. Sapling sized BI and Sx will be retained where possible to aid in the visual absorption of the block. Furthermore, the adjacent blocks are visually greened-up which will aid as a visual buffer. A VIA will not be required for this area as stated in the letter sent out by the District Manager with regards to Beetle Management Within known Scenic Areas (October 30, 2001).
PEST INCIDENCE SURVEY INFORMATION
Pest Specific Comments
IBM and IBS incidence numbers were determined from cruise compilation damage reports. The potential for rusts and mistletoe will likely be minor within the planted trees as there is a low incidence within the pre-harvest stand (good species mix). Planting in a mixed bag fashion at higher densities (1800 stems/ha) will further reduce the chance of rust / mistletoe spread. Spruce beetle is of low incidence at present. As the block will be planted with a species mix (PI / Sx) and given the fact that there will be significant natural infill of BI, there will be enough species diversity that it should not be a concern.
Forest Health Comments
PEST CODE INCIDENCE OR RATING IBM 25% of the PI is infested with Mountain Pine Beetle. IBS 4% of the Sx is infested with Spruce Beetle. DMP Low incidence of mistletoe observed during the SP fieldwork. DSG, DSC, DSS Low incidence of rusts observed on young pine within stand during the SP fieldwork.
ARCHAEOLOGICAL IMPACT ASSESSMENT INFORMATION
The First Nations whose territorial areas are within the TSL are: "Wet'suwet'en" Office of the Wet'suwet'en "Stali'at'en" Skin Tyee" Nee Tahi Buhn" Nadleh Wut'en No archaeologically significant features were identified during the CHR reeco, therefore an AIA is not required as per Lakes Forest District Cultural Heritage Resource Manual. If archaeologically significant features are identified during the harvesting or road construction phases all activities must cease. The MOF will be notified and a suitable action plan developed.
TERRAIN STABILITY FIELD AND GULLY ASSESSMENTS INFORMATION
Terrain Stability Comments
Based on higher level information the southern portion of the block shows areas of unstable terrain. Terrain stability was assessed within the area of high concern during the SP fieldwork. This area is located within a large bedrock gully system located along the southern boundary. There is a thin veneer of mineral soil overlying bedrock for the most part. There is lots of advance regen (BI) and Sitka alder along the gully sidewalls and there is mature Sx (PI BI) within the gully system. The ground generally slopes away from the gully, draining into the block. From the field observations it was determined that there are no terrain stability concerns within this area. Furthermore, there was no indication that any slides or slumping occurred in the past. A formal terrain assessment is not required.
Gully Comments
This block does not have any gullies within its boundaries.
RIPARIAN ASSESSMENTS
Management Strategies
There is one stream (Strm1-S3) and a Non Classified Drainage (NCD 1) in this block. Refer to Riparian Assessments Section for specific management strategies.



Data Entry Requirements for Generating a Block Site Plan Report

Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
Stm1 S3	RMZ	1,2	20.0	2-4 m2/ha; 20 sph	RMZ: Harvest will occur within the RMZ of Stream 1. Basal Area Retention to be 25%: Deciduous: 2-6 sph >=25cm DBH Coniferous: 10-45 sph 10cm-34cm DBH Dead: 2 sph 45cm DBH
	RRZ	1,2	20.0		RRZ: The RRZ of Stream 1 will be fully contained within the WTP and no require any special management.
NCD1 UC	MFZ		5.0	2-2 m2/ha; 150 sph	Directional Handfelling of merchantable Sx and PII will occur inside the MFZ. One skid crossing will be located at the NW section of NCD 1. A temporary skid crossing may be used if after the removal of timber the material used in the crossing are removed and the integrity of the channel has been maintained to allow for spring freshet.

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	VH	M	VH	15.0	25.0	SG	
2	VH	VH	VH	20.0	35.0	C	
3	VH	VH	N/A	1.0	1.0	SEEP	

COMMENTS

SU CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING

1 Within EUA the soil compaction hazard is rated as moderate overall due to the sandy-loam (SL) texture of the soil. Within EUB the soil compaction hazard is rated as high overall due to the silty-loam (SIL) texture of the soil. Within both EU's harvesting will be permitted during late summer or fall with dry soil conditions.

2 The soil compaction hazard is rated as very high overall due the silty clay loam (SICL) texture of the soil. Harvesting activities are preferred within the winter season when the soils are frozen. As an alternative, harvesting may be permitted in the late summer or fall under dry conditions prior to the snow depth reaching greater than 1 ft. Harvesting operations will be shutdown during pro-longed periods of moisture / rainfall. The following precautions will apply to ground based operations: Machine traffic should be minimised within this area and low impact machinery should be used to minimise the amount of soil disturbance.

COMMENTS : "During the SP fieldwork it was observed that due to the moderate to high windfall within the block the current soil disturbance is a lot higher than the maximum allowable levels specified for the SU's. The current soil disturbance primarily consists of upturned root wads which has left moderate to large depressions of exposed mineral soil. The amount of site degradation varied depending on the severity of the windthrow. Current site degradation estimates (%) were completed during the SP phase with average values being determined for both SU's. The site degradation for SU 1 was estimated at 10% and SU 2 estimated at 20%. These percentages are above the maximum allowable soil disturbances resulting in anticipated soil disturbance values of 20% for SU 1 and 25% for SU 2 after harvest. Therefore a variance for the maximum allowable site degradation for both SU's is required in order to reflect the anticipated percentage soil disturbance for the areas.

RESERVE / RETENTION INFORMATION

WTRA / WTP (INSIDE OR ATTRIBUTED TO THE BLOCK)		
I.D.#	Area	Description
WTP	2.0	
WTRA	4.5	The WTRA will contain immature to nearly mature sub-alpine fir as well as many Spruce/Pine veterans. These trees will function as cover and maintenance of forage for wildlife as well as maintenance of biological diversity. The soils and ecology are similar to SU 2.

OTHER RESERVE AREAS (INSIDE OR ATTRIBUTED TO THE BLOCK)		
I.D.#	Area	Description
DEF	6.0	The Deferred Area will contain immature to nearly mature sub-alpine fir as well as many spruce veterans. These trees will function as cover and maintenance of forage for wildlife as well as maintenance of biological diversity. The soils and ecology are similar to SU 1.

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	%
GENUS_OPTT	66.0	0.0	0.0	ICH/mk/1	1.0	1.5
GENUS_SPOT	47.0	6.5	13.8	SBS/dk/	1.5	3.2
Total # of Blocks: 2	113.0	6.5	6.8		2.5	2.2

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



SUPPORTING INFORMATION

HLP/FSP CONSIDERATIONS
Wildlife/Endangered Species Comments
There are no significant wildlife habitat rankings within this block. The TSL is in the M2 zone for Ungulate Habitat Areas classification. Moose: Class 1 and 2 lands characterized by high to very high capability to support moose populations through the winter months. Class 1 and 2 were combined to give a more representative picture of significant winter range in the district. Class 1 range focuses on lowland riparian areas critical to moose for forage under severe winter conditions.
Range Comments
Not applicable to this TSL
Fisheries Comments
This block consists of 1 stream which was classified as a S3. The RMZ will be following the strategy as per Riparian Assessment Section.
Watersheds/Hydro Assessments Comments
Not applicable to this TSL
Sensitive Areas Comments
Soils have high (eastern portion) to very high (southwestern portion) sensitivity to compaction within parts of this block. See the soil conservation and harvesting constraint sections for associated harvesting restrictions. No areas have been classified as sensitive according to cover type information.
Recreation Comments
This TSL is not in a high value recreation polygon, nor are there any resource features within the TSL's boundaries.
Cultural Heritage Comments
The First Nations whose territorial areas are within the TSL are: "Wet'suwet'en" Office of the Wet'suwet'en "Stl'a'ten" Skin Tyee" Nee Tahl Buhn" Nadleh Wut'en No archaeologically significant features were identified during the CHR recce, therefore an AIA is not required as per Lakes Forest District Cultural Heritage Resource Manual. If archaeologically significant features are identified during the harvesting or road construction phases all activities must cease. The MOF will be notified and a suitable action plan developed.
Biodiversity Emphasis/L.U. Comments
This block is in the Francois East Landscape Unit (LU) as outlined by the Lakes Land and Resource Management Plan. The LU requires 14% retention as per the Lakes South Sustainable Resource Management Plan.
Other Resources Comments
Other Resources: None
ADDITIONAL COMMENTS:
Avalanche Assessments
Not Applicable if harvesting occurs in the Summer
Connectivity Corridor
Stand Level Connectivity has been enhanced through the retention of RMA's within the Block and maintain connectivity with the established FEN's in the LU.
Green-Up
This Block is part of a larger Opening created to deal with Forest Health Issues. The adjacent block to the South southwest is not greened up
Other Resources
A significant issue for this block will be a reduction in the net merchantable volume due to breakage while harvesting. The trees are greatly tangled and under significant tension making extraction difficult and time consuming. Under normal production based harvest circumstances it is anticipated that approximately 15% of the merchantable volume will be lost to breakage. Areas with smaller diameter stems and moderate to high levels of windthrow may experience slightly higher losses.

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2006 08 16	YES
1	2006 10 25	YES
Std Amendment Rationale:		Applicable Report/Amendment Comments or Rationale/Signing and Sealing RPF and #

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HARVEST PLAN

AMENDMENT # 1

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
GENUS_SPDT	-	GENUS_SPDT	40BA3LE	093F082_3LE	Morice	Ootsa FSR (LS FDU)	53 53 04 / 125 41 44

SILVICULTURE SYSTEMS

SU	SYSTEM	VARIANT	PHASE	RESERVE	Min BA (m2/ha)	Min Residual Density (sph)
1,3	SELEC	GRP		G	5.0	199.0
Current Stand Structure/Site Conditions			SP-Systems-SELEC/GRP: Stand Struct. comments			
Silviculture Systems SU Comments			SU-1: SP-SU-Silv Systems-SU1-SELEC/SIN Silv Sys Comments SU-3: SP-SU-Silv System Comments for SU-SU3			
Min. Characteristics of Leave Trees (Form, Health, Vigour)			SP-Systems-SELEC/GRP: Min Char Lve Trees			
SU	SYSTEM	VARIANT	PHASE	RESERVE	Min BA (m2/ha)	Min Residual Density (sph)
2	SELEC	SIN		D	2.0	150.0
Current Stand Structure/Site Conditions			SP-Systems-SELEC/SIN: Current Stand Struct/SC's			
Silviculture Systems SU Comments			SU-2: SP-SU-Silv Systems-SU2-SELEC/GRP Silv Sys Comments			
Min. Characteristics of Leave Trees (Form, Health, Vigour)			SP-Systems-SELEC/SIN: Min Char of Lve Trees			
Additional Comments						
Silvicultural Constraints		SP-Comments-SP-Harvest-SilvConstraints-Silvicultural Constraints				

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	VH	M	VH	10.0	2.1	7.5	25.0	15.0	25.0	Sand and Gravel	
2	VH	VH	VH	5.0	3.1			20.0	35.0	Compacted Materials	
3	VH	VH	N/A	5.0				1.0	1.0	Seepage	
SU	Critical site conditions that affect the timing of operations and how they affect the timing										
1	Winter harvest is preferred as the compaction and displacement is very high										
2	Winter harvest is recommended on this site due to compaction and displacement hazards.										
3	SP-SU-Summary-Ecology-Othr CSC's-SU3										

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



SU MANAGEMENT COMMENTS	
SU	SU Description
1	This area is dominated by a mature pine leading stand with a minor spruce, balsam component. The topography is rolling with slopes ranging from 5 to 35% over a southeast aspect. The ecological classification indicates the area is mesic (D1) with a 30% component of sub-mesic to sub-xeric (D2). The drier portions are confined to the upper to crest slope positions. Soil texture is a silty loam with 15-30% coarse fragment content. A compact till layer was noted at a varying depth of 20-35 cm. The understory layer consists of advanced spruce and sub-alpine fir (200-1500/ha) of poor quality. There are a few scattered spruce and sub-alpine fir poles (<25/ha) of acceptable quality. Vegetation is somewhat patchy consisting of alder, huckleberry and palmate colt's foot. The coarse woody debris is generally low ranging from 10-20 m3/ha.
2	This area is dominated by a mature spruce leading stand with a minor pine, balsam component. The topography is rolling with slopes ranging from 5 to 20% over a southwest aspect. The ecological classification indicates the area is mesic/submesic (D5/D6). Soil texture is a sand/loam with 15-30% coarse fragment content. A compact till layer was noted at a varying depth of 20-35 cm. The understory layer consists of sub-alpine fir (200-1000/ha) of poor quality. There are a few scattered spruce and sub-alpine fir poles (<25/ha) of acceptable quality. Vegetation is somewhat patchy consisting of alder, aspen and fireweed.
3	SP-SU-Summary-SU Description SU3
SOIL MANAGEMENT COMMENTS	
Soil Conservation	
<p>SU CRITICAL SITE CONDITIONS THAT AFFECT THE TIMING OF OPERATIONS, AND HOW THEY AFFECT THE TIMING</p> <p>1 Within EUA the soil compaction hazard is rated as moderate overall due to the sandy-loam (SL) texture of the soil. Within EUB the soil compaction hazard is rated as high overall due to the silty-loam (SIL) texture of the soil. Within both EU's harvesting will be permitted during late summer or fall with dry soil conditions.</p> <p>2 The soil compaction hazard is rated as very high overall due to the silty clay loam (SICL) texture of the soil. Harvesting activities are preferred within the winter season when the soils are frozen. As an alternative, harvesting may be permitted in the late summer or fall under dry conditions prior to the snow depth reaching greater than 1 ft. Harvesting operations will be shutdown during pro-longed periods of moisture / rainfall. The following precautions will apply to ground based operations: Machine traffic should be minimised within this area and low impact machinery should be used to minimise the amount of soil disturbance.</p> <p>COMMENTS : "During the SP fieldwork it was observed that due to the moderate to high windfall within the block the current soil disturbance is a lot higher than the maximum allowable levels specified for the SU's. The current soil disturbance primarily consists of upturned root wads which has left moderate to large depressions of exposed mineral soil. The amount of site degradation varied depending on the severity of the windthrow. Current site degradation estimates (%) were completed during the SP phase with average values being determined for both SU's. The site degradation for SU 1 was estimated at 10% and SU 2 estimated at 20%. These percentages are above the maximum allowable soil disturbances resulting in anticipated soil disturbance values of 20% for SU 1 and 25% for SU 2 after harvest. Therefore a variance for the maximum allowable site degradation for both SU's is required in order to reflect the anticipated percentage soil disturbance for the areas.</p>	
Temporary Access	
Slope Instability	
<p>Based on higher level information the southern portion of the block shows areas of unstable terrain. Terrain stability was assessed within the area of high concern during the SP fieldwork. This area is located within a large bedrock gully system located along the southern boundary. There is a thin veneer of mineral soil overlying bedrock for the most part. There is lots of advance regen (BI) and Sitka alder along the gully sidewalls and there is mature Sx (PII BI) within the gully system. The ground generally slopes away from the gully, draining into the block. From the field observations it was determined that there are no terrain stability concerns within this area. Furthermore, there was no indication that any slides or slumping occurred in the past. A formal terrain assessment is not required.</p>	

Data Entry Requirements for Generating a Block Site Plan Report

RIPARIAN ASSESSMENTS					
Management Strategies					
There is one stream (Strm1-S3) and a Non Classified Drainage (NCD 1) in this block. Refer to Riparian Assessments Section for specific management strategies.					
Riparian I.D. and Class	RMA	SU	WIDTH (m)	BA or SPH Retained	Comments (Indicate if in a Community Watershed)
Strm1 S3	RMZ	1,2	20.0	2- 4 m2/ha; 20 sph	RMZ: Harvest will occur within the RMZ of Stream 1. Basal Area Retention to be 25%: Deciduous: 2-6 sph >=25cm DBH Coniferous: 10-45 sph 10cm-34cm DBH Dead: 2 sph 45cm DBH
	RRZ	1,2	20.0		RRZ: The RRZ of Stream 1 will be fully contained within the WTP and no require any special management.
NCD1 UC	MFZ		5.0	2- 2 m2/ha; 150 sph	Directional Handfelling of merchantable Sx and Pli will occur inside the MFZ. One skid crossing will be located at the NW section of NCD 1. A temporary skid crossing may be used if after the removal of timber the material used in the crossing are removed and the integrity of the channel has been maintained to allow for spring freshet.

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION			
Wood not included in Close Utilization Standards may be retained on site unless buried for silvicultural, pest control or fire hazard reasons. There is currently a moderate to high amount of CWD on site. Retention of dispersed stems (including snags) or patches of trees will contribute to future CWD recruitment. CWD pieces should be large logs, which are defined as logs longer than 15 metres in length and a diameter greater than 20 cm at the butt. Smaller pieces should also be maintained but the focus should be to maintain all possible larger stems within the strategies outlined. As per the CSA standards CWD will be maintained throughout the block. The following strategies should be utilized: 1. Leave logs standing or lower and leave intact logs estimated to be grade 5 (dead and dry with severe check or rotten) or poorer; 2. Fall or stub dead grade 5 or lower trees and place in or alongside an existing clump where possible, or create a new clump or row; 3. If possible, place felled snags and stub tops in a natural orientation such as jackstrawed so that is simulated natural deadfall.			
Performance Std. (%):	Block Target (%):	Coarse Woody Debris (m3/ha):	4.0

DEFINITIONS

Amendment Summary	
WTP: WTP area has been adjusted to attain the necessary Stand Level Structural Diversity listed in the TBA FSP 2006-2011 Section 6.1.1.1 Obj 6 FDU - LS	
Riparian Management Area	
RIPARIAN ASSESSMENTS	
Management Strategies	
Riparian I.D. and Class	RMA SU WIDTH (m) BA or SPH Retained Comments (Indicate if in a Community Watershed)
Strm1 RRZ 1 20	Management Comments unique to each zone appear here.
S3 RMZ 1,2 20	Management Comments unique to each zone appear here.
NCD 1 UC MFZ 1 5	MFZ Mgt Comments to appear here.
Strm2 S6 RMZ 2 20	RMZ Mgt Comments to appear here.

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2006 08 16	YES
1	2006 10 25	YES
Std Amendment Rationale: Applicable Report/Amendment Comments or Rationale/Signing and Sealing RPF and #		

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

User Guide – Resources

Data Entry Requirements for Generating a Block Site Plan Report



RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
DATE SIGNED	
2006/10/25	
I certify I personally completed the work described herein.	

THE FOLLOWING INFORMATION IS ATTACHED FOR INFORMATION ONLY AND DOES NOT FORM PART OF THE SITE PLAN

SILVICULTURE PLAN

AMENDMENT # 1

LICENCE #	CP	BLOCK	UBI	OPENING NUMBER	FDU	LOCATION	LATITUDE / LONGITUDE
GENUS_SPDT	-	GENUS_SPDT	40BA3LE	093F082_3LE	Moine	Ootsa FSR (LS FDU)	53 53 04 / 125 41 44

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	C	25.0	SBS	dk		06-100	1,050	24	NE	Lower Slope		
2	B	5.0	SBS	mc	2	05-50 01-50	1,045	13	SW	Lower Slope	21	SICL
3	A	3.0	SBS	dk		01-100	850	6	SW	Middle Slope	24	SICL

STOCKING REQUIREMENTS

ASSESSMENT DATES

Standard Unit	Standards ID	Regen Delay (yrs)	Freegrow Early (yrs)	Freegrow Late (yrs)
1	MultiLayer	7	12	15
2	MultiLayer	7	12	15
3	1010353	4		20

Min/Max Elevation Regime: 800 / 1120

SU : 1 MATURE LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	Max	Min	Max
Gx Hybrid Spruce (SE x SW)						WELL SPACED TREES (sph)			
Pli Lodgepole Pine - Interior						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						600	300	250	0.0
								Height Relative to Competition (%)	
								0	

SU : 1 POLE LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	Max	Min	Max
Gx Hybrid Spruce (SE x SW)						WELL SPACED TREES (sph)			
Pli Lodgepole Pine - Interior						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						800	400	300	2.0
								Height Relative to Competition (%)	
								150	

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SU : 1 SAPLING LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	Max		
Sx Hybrid Spruce (SE x SW)						WELL SPACED TREES (sph)			
Pll Lodgepole Pine - Interior						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						1000	500	400	2.0
						Height Relative to Competition (%)			
						150			
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		
Sx Hybrid Spruce (SE x SW)	1.0					WELL SPACED TREES (sph)			
Pll Lodgepole Pine - Interior	2.0					Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						1200	700	600	2.0
						Height Relative to Competition (%)			
						150			
SU : 2 MATURE LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	Max		
Sx Hybrid Spruce (SE x SW)						WELL SPACED TREES (sph)			
Pll Lodgepole Pine - Interior						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						600	300	250	0.0
						Height Relative to Competition (%)			
						0			
SU : 2 POLE LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	Max		
Sx Hybrid Spruce (SE x SW)						WELL SPACED TREES (sph)			
Pll Lodgepole Pine - Interior						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						800	400	300	2.0
						Height Relative to Competition (%)			
						150			

Data Entry Requirements for Generating a Block Site Plan Report

SU : 2 SAPLING LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	Max		
Sx Hybrid Spruce (SE x SW)						WELL SPACED TREES (sph)			
Pli Lodgepole Pine - Interior						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						1000	500	400	2.0
						Height Relative to Competition (%)			
						150			
SU : 2 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	10000	
Sx Hybrid Spruce (SE x SW)	1.0					WELL SPACED TREES (sph)			
Pli Lodgepole Pine - Interior	2.0					Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						1200	700	600	2.0
						Height Relative to Competition (%)			
						150			
SU : 3 MATURE LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	Max		
						WELL SPACED TREES (sph)			
						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						0	0	0	0.0
						Height Relative to Competition (%)			
						0			
SU : 3 POLE LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	Max		
						WELL SPACED TREES (sph)			
						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						0	0	0	0.0
						Height Relative to Competition (%)			
						0			

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Data Entry Requirements for Generating a Block Site Plan Report



BCTS
BC Timber Sales

SU : 3 SAPLING LAYER									
PREFERRED SPECIES			ACCEPTABLE SPECIES			POST SPACING DENSITY(sph)		MAX CONIFEROUS (sph)	
Species	Min Ht. (m)	Footnotes	Species	Min Ht. (m)	Footnotes	Min	Max		
						WELL SPACED TREES (sph)			
						Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						0	0	0	0.0
						Height Relative to Competition (%)			
						0			

SU : 3 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		
Sx Hybrid Spruce (SE x SW)	1.0		Fdl Douglas Fir - Interior	1.4		WELL SPACED TREES (sph)			
Pll Lodgepole Pine - Interior	2.0					Target Pref/Acc	Minimum Pref/Acc	Minimum Pref	Min Horizontal Dist. Pref/Acc (m)
						1200	700	600	2.0
						Height Relative to Competition (%)			
						150			

OTHER REQUIRED STOCKING INFORMATION
The site index on this block is moderate to high for the area. The trees growing on the site now are large and quite tall, the future plantation should also exhibit good growing characteristics.

ACTIVITIES

SILVICULTURE ACTIVITY COMMENTS	
ACTIVITY	COMMENT

MANAGEMENT STRATEGY

COARSE WOODY DEBRIS MANAGEMENT STRATEGY INFORMATION
Wood not included in Close Utilization Standards may be retained on site unless burned for silvicultural, pest control or fire hazard reasons. There is currently a moderate to high amount of CWD on site. Retention of dispersed stems (including snags) or patches of trees will contribute to future CWD recruitment.
CWD pieces should be large logs, which are defined as logs longer than 15 metres in length and a diameter greater than 20 cm at the butt. Smaller pieces should also be maintained but the focus should be to maintain all possible larger stems within the strategies outlined.
As per the CSA standards CWD will be maintained throughout the block. The following strategies should be utilized:
1. Leave logs standing or lower and leave intact logs estimated to be grade 5 (dead and dry with severe check or rotten) or poorer;
2. Fall or stub dead grade 5 or lower trees and place in or alongside an existing dump where possible, or create a new dump or row;
3. If possible, place felled snags and stub tops in a natural orientation such as jackstrawed so that is simulated natural deadfall.
Performance Std. (%):
Block Target (%):
Coarse Woody Debris (m3/ha):
4.0

ADMINISTRATION

Amendment number	Date Typed (Yr Mo Dy)	Map Required?
ORIGINAL	2006 08 16	YES
1	2006 10 25	YES
Std Amendment Rationale:	Applicable Report/Amendment Comments or Rationale/Signing and Sealing RPF and #	

RPF PRINTED NAME	RPF'S SIGNATURE and SEAL
DATE SIGNED	
2008/10/25	
<p>I certify I personally completed the work described herein.</p>	