

SRS
SILVICULTURE MODULE
Silviculture Liability
Version 0.2

Revision History

Date	Version	Author	Changes in this Version
13-Mar-20	0.1	R. Brar	This spec document outlines auto-populating service lines for silviculture activities, changes to the Activity tab of the Silviculture Maintenance table, and changes to the auto-update costs functionality.
13-Mar-25	0.2	L. Johnson	Based on call with Richard and Rajpal: Planting activities will be included in this spec; When a new activity is created in the Activity tab of the Silviculture Maintenance table, an info pop-up will appear with the option to create a new record in the Cost tab; Add a new column to the Activity tab: Field Team , to enable users to associate activities to the appropriate field team.

DRAFT

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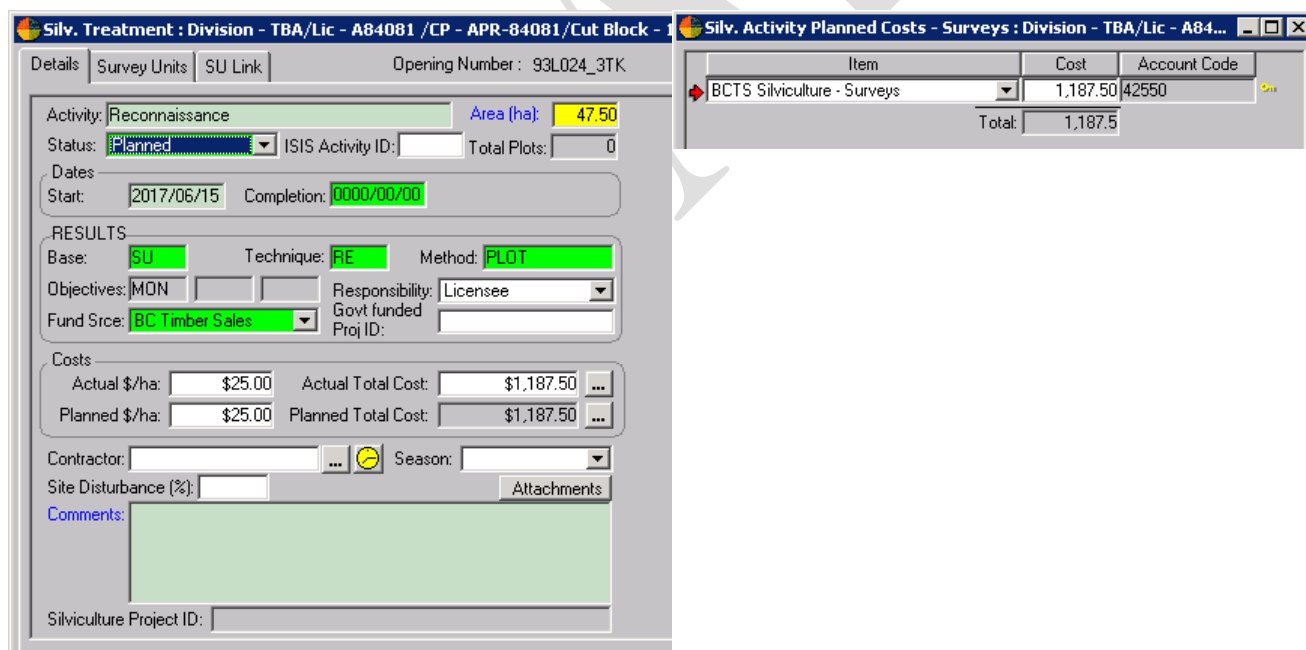
DESCRIPTION OF ISSUE

Costs Section

Currently, there is a Costs section on the **Details** tab of **Silv. Treatment** windows. This section includes: **Actual \$/ha**, **Actual Total Cost**, **Planned \$/ha**, and **Planned Total Cost** fields. These cost fields can be populated in a few different ways:

1. The **Actual \$/ha** and **Planned \$/ha** fields can be auto-populated from the **Cost/ha** field in the **Silviculture Maintenance** table;
 - If the SilvActivityCopytoActualCost system parameter is set to N, the **Actual \$/ha** field will not auto-populate;
2. The **Actual \$/ha** and **Planned \$/ha** fields can be manually entered or revised;
3. The **Actual Total Cost** and **Planned Total Cost** fields can be auto-calculated (**Area (ha) * Actual \$/ha** or **Area (ha) * Planned \$/ha**);
4. The **Actual Total Cost** and **Planned Total Cost** fields can be manually entered or revised (this recalculates the **Actual \$/ha** and **Planned \$/ha** fields);
5. Clicking  (ellipse button) to open the **Silv. Activity Actual Costs** or **Silv. Activity Planned Costs** dialogue, selecting a service line from the **Item** drop-down list, and entering a cost (this recalculates the **Actual \$/ha** and **Planned \$/ha** fields and greys out the **Actual Total Cost** or **Planned Total Cost** field).

When users do not open the **Silv. Activity Actual Costs** or **Silv. Activity Planned Costs** dialogue to enter costs, a service line is not associated with the activity (the **Item** drop-down list is a required field). The **Item** drop-down list is populated from the **Cost** tab in the **Silviculture Maintenance** table and can list more than one service line per activity.



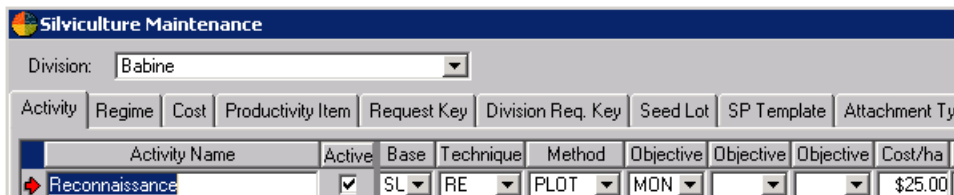
The screenshot shows two windows from the software. The main window is titled "Silv. Treatment : Division - TBA/Lic - A84081 /CP - APR-84081/Cut Block -". It has tabs for "Details", "Survey Units", and "SU Link". The "Details" tab is active, showing fields for Activity (Reconnaissance), Area (ha) (47.50), Status (Planned), and various dates. The "Costs" section is highlighted, showing "Actual \$/ha" (\$25.00), "Actual Total Cost" (\$1,187.50), "Planned \$/ha" (\$25.00), and "Planned Total Cost" (\$1,187.50). Each cost field has an ellipsis button to its right. Below the costs section are fields for Contractor, Season, Site Disturbance (%), and a large text area for Comments. At the bottom is the "Silviculture Project ID" field.

The second window is titled "Silv. Activity Planned Costs - Surveys : Division - TBA/Lic - A84...". It contains a table with the following data:

Item	Cost	Account Code
BCTS Silviculture - Surveys	1,187.50	42550
Total:		1,187.5

Activity Costs Dialogue

The **Item** drop-down list in the **Silv. Activity Actual Costs** or **Silv. Activity Planned Costs** dialogue is populated from the **Cost** tab in the **Silviculture Maintenance** table. The **Activity** drop-down list in the **Cost** tab is populated from the **Activity** tab of the **Silviculture Maintenance** table and lists the activity name, base, technique, method, and objective codes. The activity selected in the main **Silviculture Activities** window determines the value(s) that appear in the **Item** drop-down list (based on the activity name, base, technique, method, and objective codes).

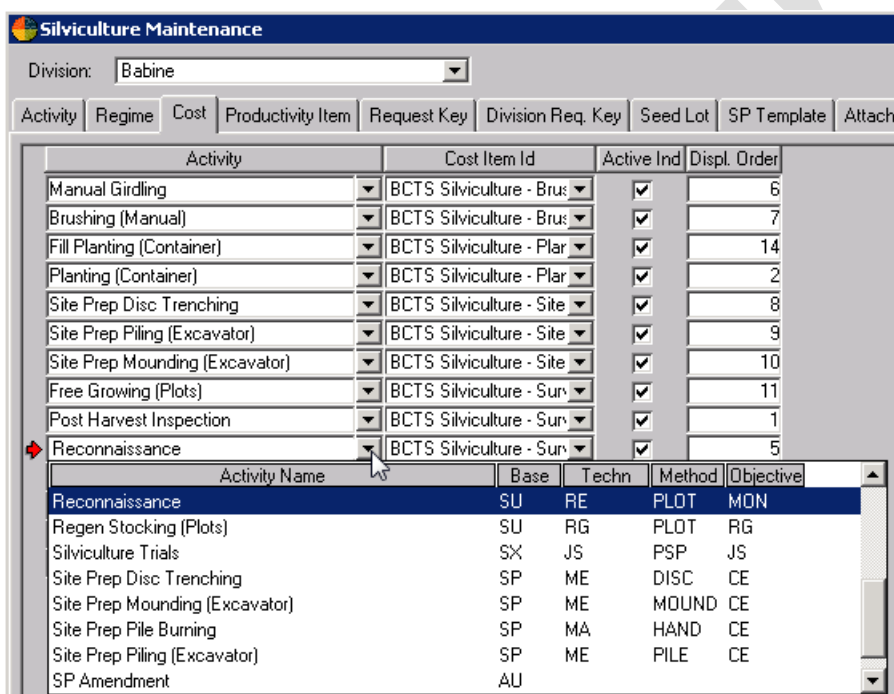


Silviculture Maintenance

Division: Babine

Activity Regime Cost Productivity Item Request Key Division Req. Key Seed Lot SP Template Attachment Ty

Activity Name	Active	Base	Technique	Method	Objective	Objective	Objective	Cost/ha
Reconnaissance	☒	SL	RE	PLOT	MON			\$25.00



Silviculture Maintenance

Division: Babine

Activity Regime Cost Productivity Item Request Key Division Req. Key Seed Lot SP Template Attach

Activity	Cost Item Id	Active Ind	Displ. Order
Manual Girdling	BCTS Silviculture - Brus	☒	6
Brushing (Manual)	BCTS Silviculture - Brus	☒	7
Fill Planting (Container)	BCTS Silviculture - Plar	☒	14
Planting (Container)	BCTS Silviculture - Plar	☒	2
Site Prep Disc Trenching	BCTS Silviculture - Site	☒	8
Site Prep Piling (Excavator)	BCTS Silviculture - Site	☒	9
Site Prep Mounding (Excavator)	BCTS Silviculture - Site	☒	10
Free Growing (Plots)	BCTS Silviculture - Sun	☒	11
Post Harvest Inspection	BCTS Silviculture - Sun	☒	1
Reconnaissance	BCTS Silviculture - Sun	☒	5

Activity Name	Base	Techn	Method	Objective
Reconnaissance	SU	RE	PLOT	MON
Regen Stocking (Plots)	SU	RG	PLOT	RG
Silviculture Trials	SX	JS	PSP	JS
Site Prep Disc Trenching	SP	ME	DISC	CE
Site Prep Mounding (Excavator)	SP	ME	MOUND	CE
Site Prep Pile Burning	SP	MA	HAND	CE
Site Prep Piling (Excavator)	SP	ME	PILE	CE
SP Amendment	AU			

Silv. Treatment : Division - TBA/Lic - A84081 /CP - APR-84081/Cut Block -

Details

Survey Units

SU Link

Opening Number : 93L024_3TK

Activity: Reconnaissance

Area (ha): 47.50

Status: Planned

ISIS Activity ID:

Total Plots: 0

Dates

Start: 2017/06/15

Completion: 0000/00/00

RESULTS

Base: SU

Technique: RE

Method: PLOT

Objectives: MON

Responsibility: Licensee

Fund Srce: BC Timber Sales

Govt funded

Proj ID:

Costs

Actual \$/ha: \$25.00

Actual Total Cost: \$1,187.50

Planned \$/ha: \$25.00

Planned Total Cost: \$1,187.50

Contractor:

Season:

Site Disturbance (%):

Attachments

Comments:

Silviculture Project ID:

Silv. Activity Planned Costs - Surveys : Division - TBA/Lic - A84...

Item	Cost	Account Code
BCTS Silviculture - Surveys	1,187.50	42550
Total:	1,187.5	

BC Timber Sales (BCTS) has requested service lines be automatically associated with silviculture activities.

References

Reference #	Comments
SQ 17303	https://www.squishlist.com/cengea/bcts/17303/
CR#2013-36	Reference number only.

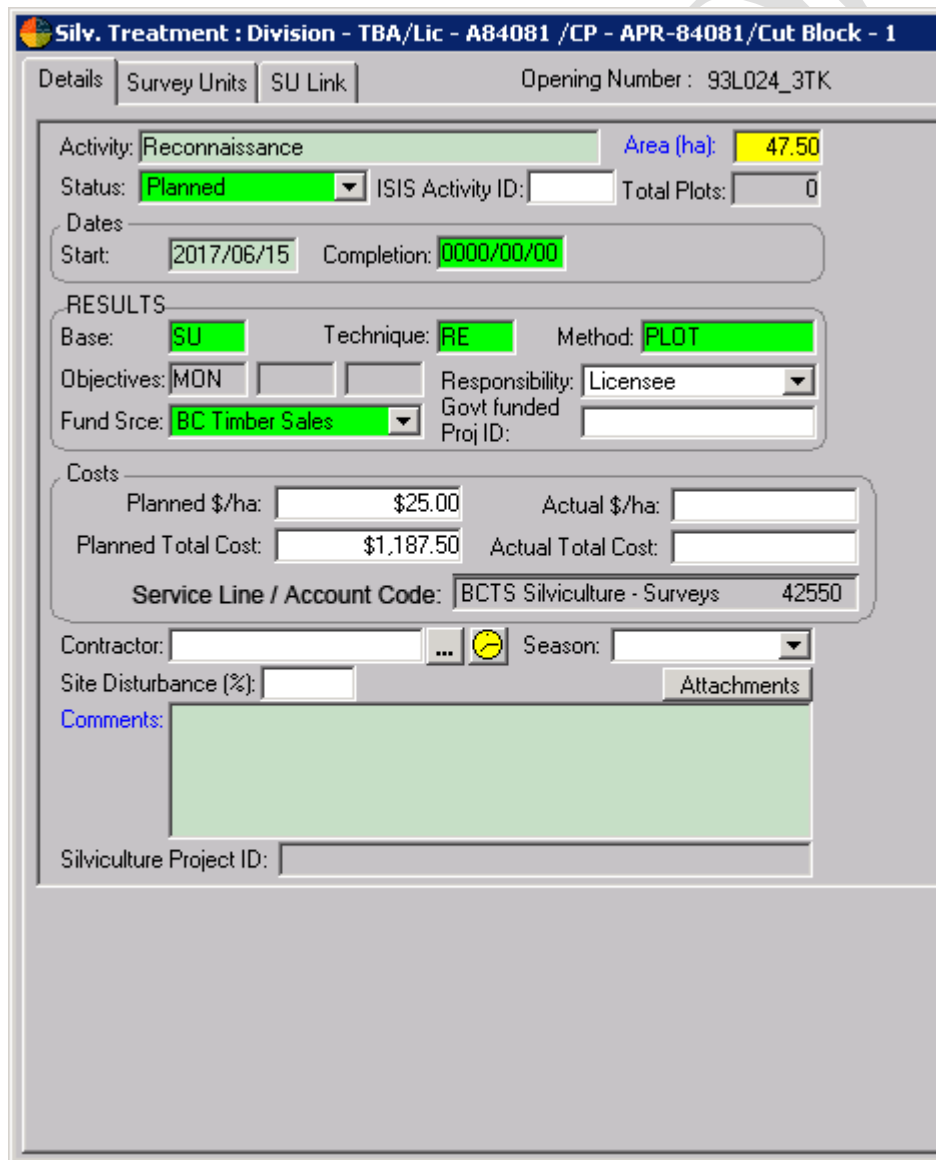
PROPOSED SOLUTION

Add the service lines to the Cost section of the **Silv. Treatment** window and remove the **Silv. Activity Actual Costs** and **Silv. Activity Planned Costs** dialogues. In the **Activity** tab of the **Silviculture Maintenance** table, adjust the auto-update cost functionality to include the planned activity date (update to current fiscal year).

Silviculture Treatment Window

The following changes are required:

1. Hide the ellipse button () to ensure users cannot access the **Silv. Activity Actual Costs** and **Silv. Activity Planned Costs** dialogues;
2. Re-arrange the planned and actual cost fields in the Costs section;
3. Add a **Service Line / Account Code** field.



Silv. Treatment : Division - TBA/Lic - A84081 /CP - APR-84081/Cut Block - 1

Details | Survey Units | SU Link | Opening Number : 93L024_3TK

Activity: Area (ha):

Status: ISIS Activity ID: Total Plots:

Dates
Start: Completion:

RESULTS

Base: Technique: Method:

Objectives: Responsibility:

Fund Src: Govt funded Proj ID:

Costs

Planned \$/ha: Actual \$/ha:

Planned Total Cost: Actual Total Cost:

Service Line / Account Code:

Contractor:   Season:

Site Disturbance (%): Attachments

Comments:

Silviculture Project ID:

Interface Description

Database Table / Field	Field / Column Name	Description
silviculture_activity.sila_cost_per_ha_plan	Planned \$/ha	This field will appear first in the Costs section.
silviculture_activity.sila_cost_per_ha	Actual \$/ha	This field will appear second in the Costs section.
total_cost_plan	Planned Total Cost	This field will appear third in the Costs section.
total_cost	Actual Total Cost	This field will appear fourth in the Costs section.
silviculture_activity_cost.scac_seq_nbr	Service Line / Account Code	This field will auto-populate with the appropriate value entered in the Cost Item ID field of the Cost tab of the Silviculture Maintenance table and will not be editable.

Costs

Planned \$/ha: Actual \$/ha:

Planned Total Cost: Actual Total Cost:

Service Line / Account Code:

Business Rules Related to the Interface

Item No.	Description	Message Box Text (if applicable)
1	The Planned \$/ha and Actual \$/ha fields will continue to populate in the same manner (see 'Costs Section' above).	
2	The Planned Total Cost and Actual Total Cost fields will be auto-calculated or manually entered. Current auto-calculation will remain.	
3	The Service Line / Account Code will auto-populate based on the selected activity associated with the Cost Item ID field in the Cost tab of the Silviculture Maintenance table.	
4	In the Silv. Treatment – Planting window, the Service Line / Account Code field will appear in the Costs section of the Details tab.	

Silviculture Maintenance Table

The following changes are required to the auto-update cost functionality:

- When the value in the **Cost/ha** field is updated and the record saved, two info pop-ups will appear :
 - The option to update the planned activity date to the current fiscal year (same month and day);
 - The option to update the planned cost per hectare (as per, current functionality).

Interface Description

Database Table / Field	Field / Column Name	Description
silviculture_activity.sila_start_date	Start	Clicking YES in the Activity Date info pop-up will update the planned activity date to the current fiscal year.
silviculture_activity.sila_cost_per_ha_plan	Planned \$/ha	Clicking YES in the Activity Costs info pop-up will update the activity cost per hectare value (as per, current functionality).
silviculture_company_activity.sica_cost_per_ha	Cost/ha	Two info pop-ups: Activity Date and Activity Costs , to update activity status and cost per hectare.

Business Rules Related to the Interface

Item No.	Description	Message Box Text (if applicable)
1	When the value in the Cost/ha field in the Activity tab of the Silviculture Maintenance table is revised, and the record saved, two info pop-ups will appear: Activity Date – allows users to change the activity planned date to the current fiscal year (month and day will not update); Activity Costs – allows users to update the cost per hectare.	Activity Date info pop-up: Would you like to update the planned date of ALL planned silviculture activities to the current fiscal year? The month and day will not be changed. Activity Costs info pop-up: The current message will remain.
2	Clicking YES, in the Activity Date info pop-up, will only update the date for activities where the Status = Planned. Clicking No will ensure the activity dates are not updated.	
3	The Activity Costs info pop-up functionality will remain.	
4	If the SilvActivityCopytoActualCost system parameter is set to N, only the Planned \$/ha field will update when YES is clicked in the Activity Costs info pop-up.	
5	Clicking YES or NO in the Activity Date info pop-up will open the Activity Costs info pop-up.	

- When a new activity is created in the **Activity** tab, and the record saved, an info pop-up will appear: **Account Code**. Clicking YES in the info pop-up will open the **Cost** tab enabling users to create a new record.

Interface Description

There will be no interface changes required.

Business Rules Related to the Interface

Item No.	Description	Message Box Text (if applicable)
1	Inserting a record in the Activity tab, populating the required fields, and saving the record, will open an info pop-up.	Account Code info pop-up: Would you like to create an associated account code record in the Cost tab?
2	Clicking YES will open the Cost tab enabling the user to create an account code record associated to the new activity.	
3	Clicking No will close the info pop-up.	

- Add a column to the **Activity** tab: **Field Team**. This will enable users to associate field teams to activities; will be a required field. The purpose is to ensure only the activities for the selected field team appear for the cut block (based on the field team selected in the **Details** tab of the **Licence** window).

Interface Description

Database Table / Field	Field / Column Name	Description
silviculture_company_activity.sica_field_team_id	Field Team	A drop-down list populated from the Lookup Tables tab in the Common Maintenance table (Lookup Category = Licence Field Team).

Business Rules Related to the Interface

Item No.	Description	Message Box Text (if applicable)
1	The Field Team drop-down list will populate from the Lookup Tables tab in the Common Maintenance table (Lookup Category = Licence Field Team).	
2	The Field Team drop-down list will be a required field.	A Field Team must be selected.
3	The values in the Activity drop-down list will be based on the selected base code (Base Activity field), and field team selected in the Activity tab of the Silviculture Maintenance table and the Details tab of the Licence window.	
4	The Field Team column will appear to the right of the Group column (far right of the Activity tab).	

SECURITY

A new security object(s) will not be required.

This functionality is only for BCTS.