

11 Appendices

TCruise Auditing Procedures

One of the many advanced features of TCruise is the ability to create an audit cruise from an existing dataset. This facilitates a comparison of the original field data with any corrections made by an auditor. The results can be analyzed and reported back in the office in several ways.

Initial Office Procedures:

- The process begins by importing the original cruisers tce file into the TCruise template. Be sure that the cruisers initials or name has been entered for each plot. If not, you can update this by clicking **Edit > Edit Plot Level Info** and selecting the **Cruiser** column header and entering the cruiser name/initials in the **To** field and press **Apply change**.
- Create an Audit Cruise from the current TCruise document by selecting **Tool > Create Audit Cruise**.
- Create an Audit tce file by clicking **Tools > Create a tce Document**. Transfer the tce file back to your handheld in the My Documents\TCruiseCE folder.

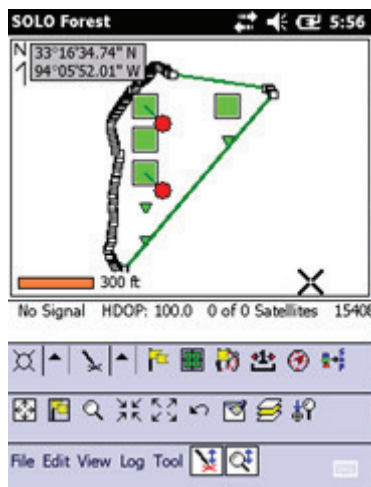
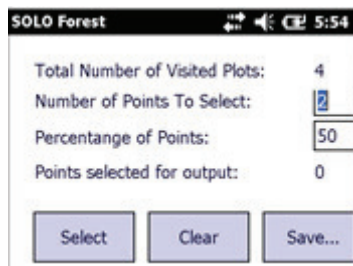
Field Procedures:

- Open TCruise and select Open an Existing cruise from the opening dialog and select the audit cruise.
- Be sure Plot Info Prompt is enable by clicking **Opts > Plot Info Prompt** if it is not already checked.
- Open Solo and load the UDF project and waypoint file used by the original cruiser.
- Enable Audit RTI in Solo by clicking **Tools > More > Audit RTI**

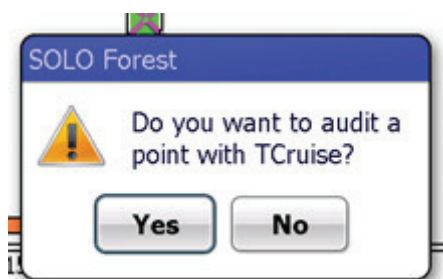


- Next, select the Random Plot Generation option under Tools > More and then select either the number of plots or % of plots to be audited and then tap **Select**

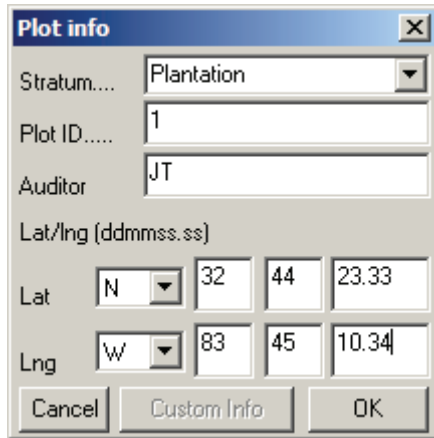
and Save and Solo will randomly select the plots for you. You can also choose to visit plots at your will instead of using Audit RTI to pick them for you.



- Upon reaching a plot to audit you will get an Alert message: **Would you like to Audit a Plot with TCruise?**

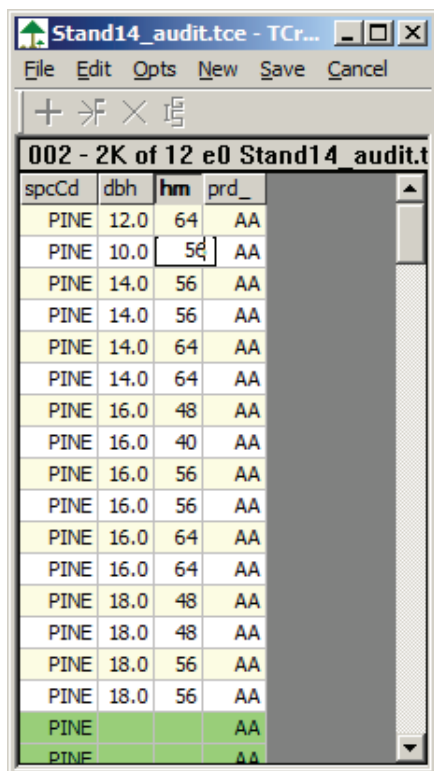


- Click **YES**. This will take you to TCruise. You need to insert your name or initials on the Plot Info Screen. **Make sure that what you enter is different from the original cruiser's initials. This is critical for reporting later, so be sure you remember to do this on each audited plot.** If you do not do this in the field, you can go back to Solo and determine the Audited Plot numbers and enter the Cruiser ID on those audited plots back in TCruise Office as detailed in the Edit Plot Level Info above.



Plot info dialog box showing fields for Stratum (Plantation), Plot ID (1), Auditor (JT), and coordinates (Lat: N 32 44 23.33, Lng: W 83 45 10.34). Buttons include Cancel, Custom Info, and OK.

- Notice how there are two rows on the tally card below with duplicate info. The top row in yellow is the original cruisers info and row on white below is where the auditor will make changes. **OK** out and Save the Plot when you are Done using the **->F button** on the TCruise toolbar.
- Navigate to the other plots to be audited and repeat this procedure.

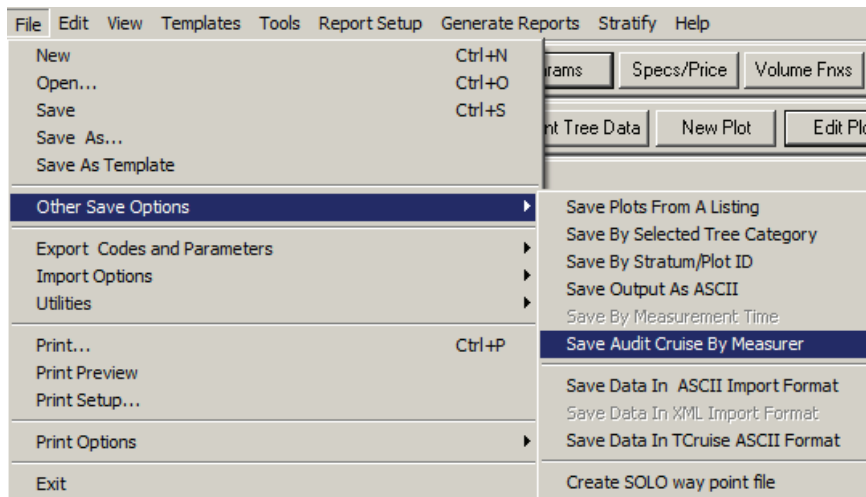


Stand14_audit.tce - TCruise window showing a table of tree data. The table has columns: spcCd, dbh, hm, prd_.

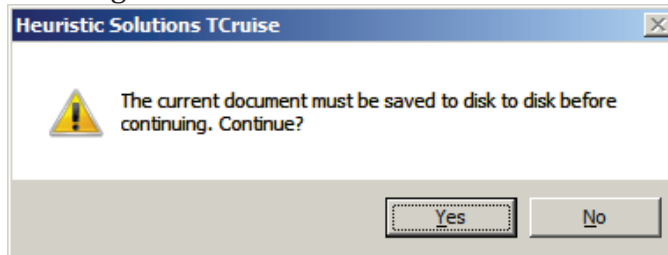
spcCd	dbh	hm	prd_
PINE	12.0	64	AA
PINE	10.0	56	AA
PINE	14.0	56	AA
PINE	14.0	56	AA
PINE	14.0	64	AA
PINE	14.0	64	AA
PINE	16.0	48	AA
PINE	16.0	40	AA
PINE	16.0	56	AA
PINE	16.0	56	AA
PINE	16.0	64	AA
PINE	16.0	64	AA
PINE	18.0	48	AA
PINE	18.0	48	AA
PINE	18.0	56	AA
PINE	18.0	56	AA
PINE			AA
PINE			AA

Office procedures:

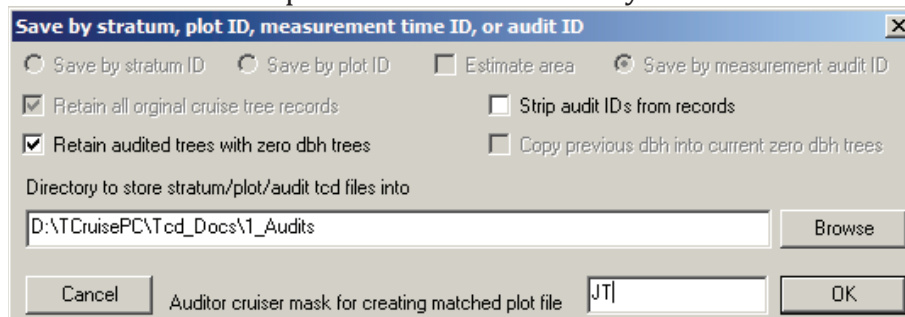
- Transfer audited tce file back to the PC. Paste it into the My Documents/TCruisePC/Tce_DocsTemplate folder (or any subfolder inside).
- Open TCruise Desktop and import the appropriate template using the **Load TCT button** on the Workup toolbar.
- Import the audited tce file using **Import TCE button** on the Workup toolbar.
- Save the Audit Cruise by Measurer by selecting **File menu > Other Save Options > Save Audit Cruise by Measurer** as shown below.



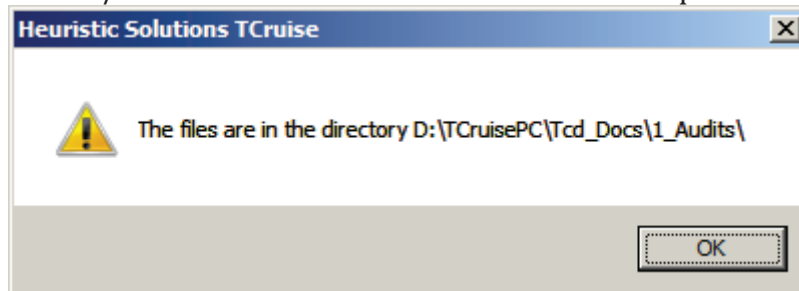
- You will be prompted to Save the current document first, so do so and give it a meaningful name and be sure to leave the .tcd extension on the end.



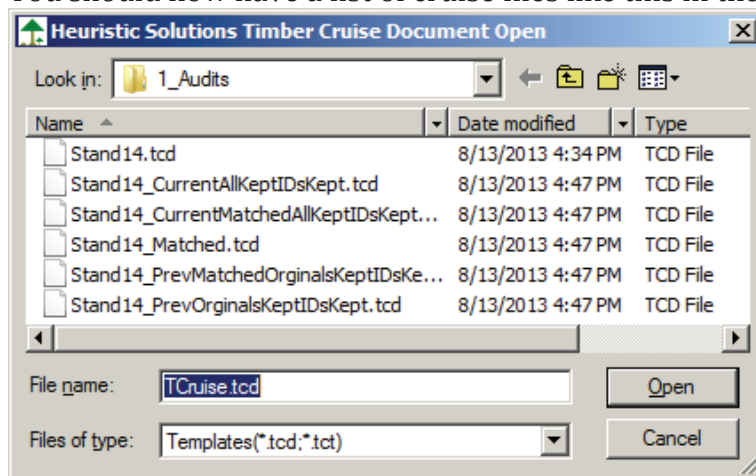
- Next, the user will see the dialog box below. Enter the initials/Name of the Auditor in this field before OK'ing out. This will allow just the audited plots to be saved in a separate file for easier analysis.



- The files should now be stored in the folder where your original tcd was stored. If you get an error stating the files could not be created, your initials/Name did not match those in the audited plots.



- You should now have a list of cruise files like this in the folder:



In this example *Stand14.tcd* was my original tcd file.

Stand14_CurrentAllKeptIDsKept.tcd - The auditor's plot data.

Stand14_CurrentMatchedAllKeptIDsKept.tcd - The auditor's plot data.

Stand14_Matched.tcd - **This is the file with just the audited plots. Open it and Run it if you have HMS. This will allow the HMS audit reports to compare results of just the audited plots.**

Stand14_PrevMatchedoriginalsKeptIDsKept.tcd - The original cruiser's plot data for the plots that were audited.

Stand14_PrevOriginalsKeptIDsKept.tcd - The original cruiser's plot data for the plots that were audited.

- **If you have HMS**, select Run By Groups and insert the data into the HMS database. Next, go and run any of the audit reports and see a comparison of just the audited plots.
- **If you have TCruise without HMS** you will need to run one of the Current(auditor's) **AND** the Prev (original cruiser's) tcd's and compare the results manually using the internal TCruise reports. You can also use the Print Tree Data option on the Workup toolbar and export the tree measurement data to Excel for analysis.