

## TIMVEG 2010a Version Features:

June 15, 2010

### Two updated user guides:

These two user guides have been updated. It is important to review the data entry procedures denoted in these guides. These changes are easy to find - the modified sections of the user guide are noted in the first section "Modifications and Additions" and page numbers are referenced. New or revised sections are highlighted in yellow highlight.

- User Guide NFI (CMI) TIMVEG Handheld Timber\_CWD\_EO April 15\_ 2010.pdf
- User Guide Handheld Timveg VRI TimberCWD Succession Interpretations May 3\_2010.pdf

### CMI

1. **Important note:** The 2010a version is not compatible with data created from previous TIMVEG CMI versions. In other words it cannot "read" or load data from the 2009 TIMVEG CMI version and earlier. If you want to save data from these older versions it is suggested that you save the entire CMI folder and its associated files to another location before installing the 2010a version.
2. Bug - Dominant trees being changed to codom when export file created, fixed.
3. Bug – Tree numbers >50 tree details were not being created in export file; fixed.
4. Site Tree flag menu description changes:
  - X =ALT XTRA OUTSIDE
  - V = VETERAN- RESIDUAL
  - O= OTHER MAJOR SPECIES
  - Remains the same:
  - T = TOP
  - L = LEADING
  - S = SECOND LEADING
5. NoTally (Outside of plot) Site Trees
  - Added a new "NoTally" flag in the site tree screen tree location menu. The tree location menu is a drop down menu list in the upper left hand corner of the Site Tree screen. The Menu name is Rad (for radius). ). If this is set to "NoTally" then only site tree data is exported (does not export Tree information, including enhancements ie damage, loss). In other words, the tree is not part of the tree plot, but the Site Tree information is saved and passed on.
  - There are new validations related to the NoTally flag in the Site Tree Screen. The validations always occur upon exiting the Tree Level (not the Site Tree Screen). Residual trees flagged as Veteran Trees and also flagged as NoTally trigger warning to confirm this combination. There are also warnings for Site Trees less than 4cm dbh that are not flagged as NoTally Site trees. All validations are passable.
  - In the CMI export file "outside" trees have a description of "Quad: " + quadrant (NE, NW, SE, SW) instead of the "11.25" + quadrant or "5.64" + quadrant description.

## CMI and VRI

6. Enhanced validation for Small trees and Stumps so only valid values can be entered.

### Stumps

new: CMI NFI(F type) - Prevent BDRY and SPLIT in data entry.

- CMI M type - Already prevents SPLIT type in data entry.
- VRI Stump - Already prevents SPLIT type in data entry.

### Small Trees:

VRI no change - all combinations allowed.

- new: CMI NFI(F type) - Prevent BDRY and SPLIT in data entry.
- new: CMI M type - Prevent SPLIT type in data entry.

7. UTM validation in handheld/PC

*UTM Validation* IPC added - TP and Access point is either 6 digits long for the Easting, and 7 digits for the Northing, Only the following values are allowed: Easting is between 280586 and 719413, and Northing between 5431233 and 6655205.

8. New valid entry for Bark Thickness in Site Tree screen . New validation - VRI bark thickness requires a value.

- Changed the export so "---" exports as blank.
- The 3 dashes are created via use of the[ DEL]ete key.
- VRI -added validation -r 0 is valid for dead, invalid for live.
- CMI – no validation for bark thickness in CMI, but "---" can be entered if desired.

9. New (passable) validations – Site Tree - Check Prorate Age Length to warn when Prorate Age Length exceeds the diameter of the tree

- Prorate len > 1/2dbh message: "Warning, Site Tr Prorate Len > 1/2 tree diameter. OK?"
- Prorate len > dbh message: " Warning, Site Tr Prorate Len > tree diameter!"

10. Site Tree Age validations

- If there is no office bored ht age then need prorate ring count.
- 5, 10, 20 year validations. Order of precedence for comparing to age.
  - Office Bored Ht Age
  - Prorate Office Ring Count
  - Field Bored Ht Age
- Validation logic, If there is an office age then use it to compare vs 5, 10, 20. Next, if there is no office age but have prorate ring count then use that. Finally, if there is no office age nor prorate age but have field age then use field age for comparison to generate warnings. The warnings appear not upon exiting the Site Tree screen but upon exiting (Escaping) the Tree screen level.

## VRI

**Important Note:** The 2010a VRI version is not compatible with data collected using older versions, such as the 2009 versions. Be sure to copy your data and program files into another

directory for future use before installing the 2010a VRI version. The CMI 2010a version is compatible with 2009 version created data sets.

11. Allow "R" random flag with O and X flags for Site Trees

- Aux plots can't have R (only IPC can have R).
- For variable plot allow R to be X or O.
- For fixed plot allow R to be O only
- "99" trees cannot be "R" random

12. VRI - Validation for Plot Type, Plot location screen – Full/Half /Quarter – Boundary/Split.

- 1 - Split/bdry need azimuth or Normal plot can't have azimuth.
- 2 - Boundary/Split plot can't be FULL. 1/2,1/4 can't be NORM.
- These validations run when leave the plot (IPC,N,E,S,W) trees, not when leaving the Plot Location screen.

13. Plot Cluster Record , a value must be selected in the "Use Dead Fallen trees in aux plots" field.

*Note:* This work required changing the file structure so files created with 2009b or earlier versions are no longer compatible with the 2010a version – in other words the .VRI data files created in older TIMVEG versions will not be opened with the 2010a version. This applies to VRI only: .CMI files created with 2009 CMI versions are still compatible with the CMI 2010a version.

- On the plot cluster page the default value for "Use Dead Fallen trees in aux plots" is blank.
- A menu with the following selections is available: Blank, Yes, No.
- Validation - If the user attempts to enter an aux plot (N,E,S,W) and this value is still blank then an error message will appear "FIRS SET 'Use Dead Fallen trees in aux plots'" and the user is taken to the plot cluster page.

14. Plot Location Screen Cursor starts in Grid Field

- In the Plot Location screen, if the Plot Size and Plot Type fields are blank and one tries to access an Aux or IPC plot, you are returned to the Plot Locations screen with the cursor starting in the Grid field.

15. Plot Location Screen double dash character entry allowed in Grid Field

- A double dash “- -” character can be entered into the 2N Grid Field in the Plot location screen (see next bullet).
- [Del]ete key enabled to insert a “- -” value. This is the program standard for entering a dash and is the only way to enter it.
- Validation. a blank value is not allowed in the Grid Field. The validation triggers when the field is blank and the Main or one of the Aux plots are entered from the VRI Plot Selection Menu (previous level menu)
- The Grid field value of double dash “- -” is placed in the Oracle translate file as a blank.