

**Timveg Data Collection Enhancements fro 2009  
Version 2009a**

June 19, 2009

The TIMVEG VRI and NFI (CMI) data collection software has been enhanced with the following features/functions:

**Enhancements**

Item & Reference number	Programs affected VRI/CMI  All Handheld unless specified as PC	Description
Small Tree Plot radius 4345	VRI	The allowable plot radius' for small trees only is now 3.99, 2.50, or 5.64. Blank is default so a value must be entered Stump plot is still only allowed to have 2.50
Bark Thickness on Site Trees 4340	VRI	Bark thickness is now only required when you have an age measure code of CRC, PHY or ROT.
Broken Top 4344	VRI & CMI	If a loss indicator of BTP is entered, then the "from" height must be equal to the total tree length. Also if the loss indicator BTP is entered, then the tree must have a BTP diameter or estimated height.
DBH to Tree Length validation 4346	VRI & CMI	A DBH/Length ratio algorithm has been incorporated to indicate "out of whack" DBH to Length values.
Dead Site Trees 4348	VRI & CMI	Dead Site trees allowed. When Site tree created a verification to continue with a Dead Tree Y/N is given.
Final Validation 4437	VRI & CMI – PC program	PC program. When the translate function is executed a message reminder is given to run validation function.
Disturbance Code 4434	VRI & CMI	The disturbance code in the CH Header is now inserted into the Translate file
Out Measure Code validations 4463	VRI	For site trees with an OUT measure code the following two validations are triggered:  "One of Office or Total Age is reqd." and,

<b>Item &amp; Reference number</b>	<b>Programs affected VRI/CMI  All Handheld unless specified as PC</b>	<b>Description</b>
		"Only one age can be entered."

## Bugs

Item & Reference number	Programs affected VRI/CMI	Description
Validation for Species + Dead Trees 4341	VRI	The Species+Dead is treated like a unique species and must be enhanced if in an aux plot and not present in the IPC. Also, If Species+Dead is in IPC it does not have to be enhanced in the Aux plot. Fallen - Standing does not factor into the logic.
Loss Indicators 4375	VRI & CMI	There was an appearance problem in the Loss Indicator part of the Grade – Damage Agent – Loss Indicator screen. When the number of Loss Indicator records exceeded the window size, with scrolling it appeared the records were being changed. This has been fixed.
Boundary & Split plot values 4347	VRI	The zero and non zero boundary/split azimuth is exporting. Also the Pin Azimuth zero values are exporting.
Validations for Loss Indicators 4405	VRI & CMI	There was some problems with validation of the Loss Indicator records: From and To and Frequency values. The validations were functioning intermittently. This has been fixed
Confusion about Out of Plot (based on stem map) Site Trees 4394 & 4374	VRI	If a tree in the tree list becomes an OUT tree, then when going to the Site Tree Screen you need to renumber the tree number to a 90+ series number. If this is not done then, you will get the tree data and the site tree data in the translate file. What is wanted in the translate file for out of plot trees is only the site tree data and to exclude the tree data. A warning message now appears when creating and entering the Site Tree Screen if the tree is an OUT tree (based on the Stem Map calculation). The validation with message forces you to create a 90+ series number before leaving the site tree screen. This has to be done to exit the screen. The stem map screen for the tree can be edited later if needed.
Validation Stump Plot 4432	VRI & CMI	Validation was not working for Stump plot detail records. This is fixed.
Validations for Tree Length, Broken Tops,	VRI & CMI	The validations were enhanced and errors corrected in checking the relationships for Tree Length versus Grades - log Grade Length versus BTP To Measurement

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and logs 4169		in Loss Indicators versus the presense of Broken Top Diam or Height values. This has been fixed
'N' flag for IPC in Translate file	VRI - <i>PC program</i>	The "N" value has been included in the VRI translation file for No1 Survey Types