

LANDFIRE FVS Ready Database

DATA DICTIONARY

SECTION I: DATA TABLES

Version 1.0
9 July 2014

Table of Contents

<u>Data Tables</u>	<u>Page</u>
FVSStandInit.....	2
FVSTreeInit	4
FVS Group Add Files and Keywords	5

Section I: Data Tables

FVSStandInit

This table contains plot-level data for input into the Forest Vegetation Simulator (FVS).

Name	Description
Stand_CN	Database control number. Required by Suppose 2.0 when populating stand lists.
Stand_ID	Stand identification code. Required by Suppose 2.0 when populating stand lists.
Variant	The two character variant identification code. Required by Suppose 2.0 when populating stand lists.
Inv_Year	The stand's inventory year corresponding to IY(1) in FVS. Required by Suppose 2.0 when populating stand lists.
Groups	List of Grouping codes, also separated by spaces, tabs, carriage returns, or newlines. Used by Suppose 2.0 when populating stand lists.
AddFiles	List of Addfile names (.kcp), separated by tabs, carriage returns, or newlines, which will be inserted into simulation file as one or more components. Used by Suppose 2.0 when stands are added to simulations.
FVSKeywords	List of FVS keywords, separated by spaces, tabs, carriage returns, or newlines, which define the FVS run. Used by Suppose 2.0 when stands are added to simulations.
Latitude	Latitude in degrees of the stand's location.
Longitude	Longitude in degrees of the stand's location.
Region	USDA-FS Region code.
Forest	USDA-FS National Forest code.
District	USDA-FS District code.
Compartment	USDA-FS Compartment code.
Location	Location Code representing the Region/Forest/District/Compartment codes and corresponds to KODFOR in FVS. When specified, Location takes precedence over Region, Forest, District, and Compartment.
Ecoregion	Bailey's Ecoregion code.
PV_Code	PV_Code identifies the potential vegetation. It is often the Habitat type or Plant association code. The two names shown are synonymous.
PV_Ref_Code	Potential vegetation reference code for the PV_Code.
Age	Stand age in years.
Aspect	Aspect in degrees.
Slope	Slope in percent.
Elevation	Stand elevation represented in 100's of feet for all variants except AK were it is elevation in 10's of feet.
ElevFt	Elevation in feet. When specified, ElevFt takes precedence over Elevation.
Basal_Area_Factor	Basal area factor corresponding to BAF in FVS.
Inv_Plot_Size	The inverse of the fixed plot size in acres.
Brk_DBH	Breakpoint DBH in inches.
Num_plots	Number of plots represented in FVS.
NonStk_Plots	Number of non-stockable plots.
Sam_Wt	Sampling Weight used to compute the average yield tables and other weighted averages.
Stk_Pcnt	Stockable percent.
DG_Trans	Diameter growth translation code.
DG_Measure	Diameter growth measurement period.
HTG_Trans	Height growth translation code.

FVSSStandInit (cont.)

Name	Description
HTG_Measure	Height growth measurement period.
Mort_Measure	Mortality measurement period.
Max_BA	Maximum basal area.
Max_SDI	Maximum stand density index.
Site_Species	Site species code.
Site_Index	Site index.
Model_Type	Model type code.
Physio_Region	Physiographic region code.
Forest_Type	Forest type code.
State	FIA state code.
County	FIA county code.
Fuel_Model_13	Anderson fire behavior fuel model.
Fuel_Model	Scott and Burgan fire behavior fuel model.
Fuel_0_25	Initial tons per acre of 0 to 0.25 inch fuel.
Fuel_25_1	Initial tons per acre of 0.25 to 1 inch fuel.
Fuel_0_1	Initial tons per acre of 0 to 1 inch fuel, if not using previous two fields.
Fuel_1_3	Initial tons per acre of 1 to 3 inch fuel.
Fuel_3_6	Initial tons per acre of 3 to 6 inch fuel.
Fuel_6_12	Initial tons per acre of 6 to 12 inch fuel.
Fuel_gt_12	Initial tons per acre of greater than 12 inch fuel.
Fuel_Litter	Initial tons per acre of litter.
Fuel_Duff	Initial tons per acre of duff.
Photo_Ref	Photo series reference number (1 – 32, see FFE documentation).
Photo_Code	Photo code (appropriate character strings depend on the photo series reference number, see FFE documentation).

FVSTreelnit

This table contains tree-level data for input into the Forest Vegetation Simulator (FVS).

Name	Description
Stand_CN <i>Required</i>	Same as Stand_CN in FVS_StandInit table. Not read by FVS, but may be used for querying purposes.
Stand_ID	Same as Stand_ID in FVS_StandInit table. Not read by FVS, but may be used for querying purposes.
Tree_CN <i>Required</i>	Tree catalog number.
Tree_ID	Tree identification code.
Plot_ID	Plot identification code.
Tree_Count	Tree count.
History	History code: 0-5 are live trees, 6 and 7 died during mortality observation, 8 and 9 died before mortality observation period.
Species	Tree species code. Can be the FVS alpha code, FIA code, or USDA plant symbol.
DBH	Diameter at breast height in inches. Diameter is an alias for DBH in this version.
DG	DBH growth in inches (not tenths of inches).
Ht	Height in feet.
HtG	Height growth in feet.
HtTopK	Height to top kill is the height to the point of the tree of top kill in feet.
CrRatio	Compacted crown ratio. If the number is 0-9 then it is considered a crown ratio code, according to the FVS documentation. If the number is 10-99 the value is considered a percent live crown.
UnCrRatio	Uncompacted crown ratio.
Damage1	Damage code. See the FVS documentation for details.
Severity1	Severity code corresponding to damage code 1.
Damage2	Second damage code.
Severity2	Second severity code.
Damage3	Third damage code.
Severity3	Third severity code.
TreeValue	Tree value class code 1 for desirable, 2 for acceptable, 8 for non-stockable and any other number represents a live cull.
Prescription	Prescription code.
Age	Age of the tree record.
Slope	Slope (percentage) on the plot where the tree was located.
Aspect	Aspect in degrees on the plot where the tree was located.
PV_Code	The potential vegetation code on the plot where the tree was located (see notes in table 3.0.1 for the stand).
PV_Ref_Code	Potential vegetation reference code for the PV_Code.
TopoCode	Topography code, where 1=bottom, 2=lower, 3=mid slope, 4=upper slope, and 5=ridge top, on the plot where the tree was located.
SitePrep	Site preparation code, where 1=none, 2=mechanical, 3=burn, and 4=road cuts/road fills/stockable road beds, on the plot where the tree was located.

FVS Group Add Files and Keywords

This table contains tree-level data for input into the Forest Vegetation Simulator (FVS).

Name	Description
Groups	A list of Grouping Codes separated by spaces, tabs, carriage returns, or newlines. NOTE- The "All_Stand" or "All_Plots" grouping codes are used for linking the FVS_StandInit and FVS_PlotInit tables with the FVS_GroupAddFilesAndKeywords table and should not be deleted
AddFiles	A list of Addfile names (.kcp) separated by tabs, carriage returns, or newlines, which will be inserted into simulation files as one or more components
FVSKeywords	A list of FVS keywords, separated by carriage returns or newlines, which define the FVS run. Keywords must be formatted using FVS formatting rules. The Database DSNIn, TREESQL, and STANDSQL keywords and associated information is often listed here. Added to simulations by Suppose 2.0+