

Steps for Running Fuels Treatments through FVS and MyFTP

FVS (the Essential FVS user's guide can be viewed and downloaded [here](#))

- After installing FVS/Suppose (with the SO variant) place the Deschutes.mdb file in C:\FVSDData
- Edit the Suppose Shortcut properties to Start in: C:\FVSDData (this will tell Suppose where your *.key and Suppose.loc files are located)
- Open Suppose
 - **Select Stands**, Groups, and pick which stands you are modeling in the right-most window
- Highlight the Group 'All_Stands'
- **Select Time Scale**
 - Common starting year = 2008 (this is the most recent year we have stand exam inventory)
 - Common cycle length = 10 years (this will model growth every ten years)
 - Common ending year = 2018 (models stands for just one cycle, allows you to inspect the output one year after cutting trees to check if they were cut)
- **Select Outputs**
 - **Base FVS Treelists**
 - **Build Standard Treelist and Cutlist**
 - uncheck **Build Treelist**
 - Click **OK**
- **Add Keywords** (this is also where you will add the management action; it can also be achieved under **Select Management** as well)
 - Type **thinbta** next to **Select Keyword** and click **Accept**
 - **Schedule by year** = 2008
 - **Residual trees per acre** = 100
 - **Smallest DBH to be considered for removal** = 1
 - **Largest DBH to be considered for removal** = 18
 - Click **OK**
- **Run Simulation**
 - Save the *.key file for this run, when you want to remodel this stand Suppose will look for this *.key file (you will be prompted to resave this file when any subsequent changes are made)
- After FVS is done, there will be a cutlist (*.trl) in the same directory as the *.key file

In R

- Open the file "Forest2.R" to turn the cutlist into a condensed MS Excel file readable by MyFTP
- Follow prompt and comments within the "Forest2.R" file

MyFTP (the MyFTP User's Guide can be viewed and downloaded [here](#))

- Open MyFTP and enable Macros, if prompted)
- Navigation within MyFTP is achieved via **Add-Ins, MyFTP Navigation**

- MyFTP was designed to populate the various workbooks in order they appear in the Navigation bar
- **Rules** workbook
 - **Scenario data**
 - Enter variables specific for the planning unit
 - State, county, size, slope, elevation, etc.
 - Name the scenario whatever the planning unit is called
 - **Rules** (this needs to occur prior to importing the batch file (cutlist))
 - Log rules, Enter cutoff sizes for each spp. of log to be utilized (XC can be used for all conifers if the rules are the same for each)
 - Chips rules, enter cutoff sizes for each spp. (XC and XH can be used for all conifers and all hardwoods if the rules are the same for each)
- **Enter Cut Tree Data**
 - Under **Batch File Tree Entry** click on **Step 2b: Select Batch File for Processing** and choose the appropriate inventory file for the planning unit.
 - After the import check the Error_file.xls workbook for problems
- **Harvesting Costs**
 - I was going to enter 1300 ft. for the **Yarding distance** (~.25 miles and it is the max length for cable systems, some will be shorter and other likely will be longer)
 - **MoveInDist** will come from ArcMap
 - I would just go with **Mechanical whole tree** as the **Harvest Process** and just state that in your methods, unless you think it makes sense to tweak for each one.
- **Hauling Costs**
 - I was going to enter the hauling distances from ArcMap and go with the default rates.
- **Mastication** (this will include unutilized activity fuels from the thinning, via the FVS cutlist, and any pretreatment surface fuels entered on the **Rules** workbook)
- **Mechanical Treatments** (You'll need to discuss with your colleagues, what if any other types of treatments you may want to include here)
 - The **Fire Regime** and **Region** defaults are correct
- **Prescribed Fire**
 - Defaults are correct for Fuel Model (11 = logging slash) and USFS region
 - You may want to check the WUI box for the units close to towns (West Bend, SAFR, etc.)
 - The amount included here will likely come from conversations with your colleagues or calculating the proportion of Rx fire is/was performed on the CFLRA_RCAT_request_2012V2.xlsx workbook.
- Log / Chip Prices
 - This one is pretty self-explanatory, other than I don't have the data for you. I'll email the guy at [Chuck Burley](mailto:chuck.burley@interfor.com), Timberlands Manager for Interfor Pacific, in Gilchrist, OR, (chuck.burley@interfor.com)

