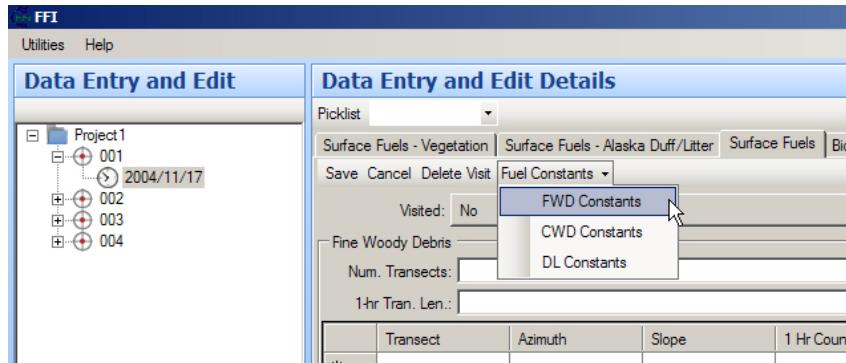


## Fuel Constant Set Exercise

**Note: the metric methods require FCS values in English units**

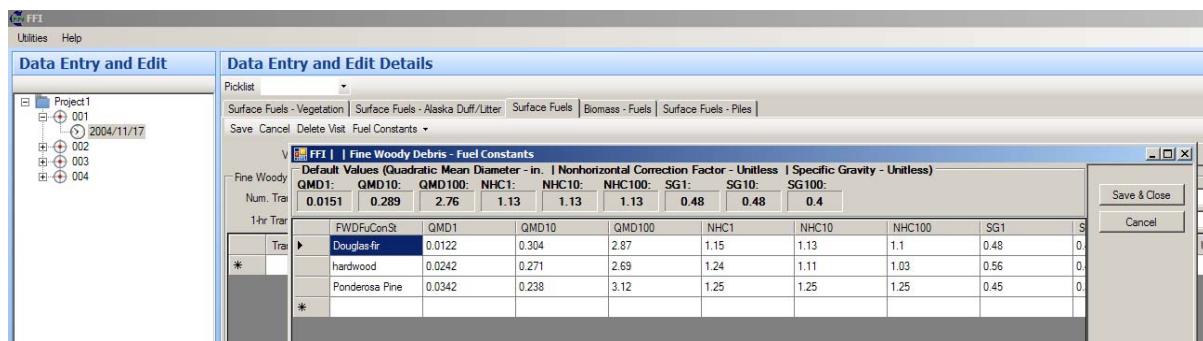
- If not already selected, click on *Data Entry and Edit*.
- In the navigation pane on the left side of the screen select macroplot 001 by clicking on it.
- Select the first sample event
- Select the *Surface Fuel* protocol tab.
- Click the *Fuel Constants* dropdown and select *FWD constants*.



- Enter these data in the FWD FCS table.

### FWD Constants

FWDFuConSt	QMD1	QMD10	QMD100	NHC1	NHC10	NHC100	SG1	SG10	SG100
Douglas-fir	0.0122	0.304	2.87	1.15	1.13	1.10	0.48	0.45	0.45
Ponderosa pine	0.0342	0.238	3.12	1.25	1.25	1.22	0.45	0.39	0.39
Hardwood	0.0242	0.271	2.69	1.24	1.11	1.03	0.56	0.43	0.44



- Click *Save & Close*.
- Click the *Fuel Constants* dropdown and select *CWD constants*.

i) Enter these data in the CWD FCS table.

#### CWD Constants

CWDFuConSt	SGth1	SGth2	SGth3	SGth4	SGth5
Douglas-fir	0.450	0.341	0.277	0.137	0.148
Ponderosa pine	0.387	0.349	0.340	0.222	0.220
Hardwood	0.426	0.345	0.328	0.157	0.158

j) Click *Save & Close*.

k) Click the *Fuel Constants* dropdown and select *DL constants*.

l) Enter these data in the Duff-Litter FCS table.

#### Duff-Litter Constants

DLFuConSt	LittBD	DuffBD
Douglas-fir	1.73	9.52
Ponderosa pine	1.48	9.67
Hardwood	0.9	6.00

m) Click *Save & Close*.

n) Select the *Surface Fuel –Vegetation* protocol tab.

o) Click the *Fuel Constants* dropdown and select *FLVeg constants*.

The screenshot shows a software interface titled "Data Entry and Edit Details". At the top, there is a "Picklist" dropdown and a menu bar with tabs: Trees, Surface Fuels - Vegetation, Surface Fuels, Fire Behavior, and Density - Belts. Below the menu, there are buttons for Save, Cancel, Delete, Delete Visit, and Fuel Constants. A dropdown menu under Fuel Constants shows options like "Fuel Constants", "FLVeg Constants", and "FLFuels Constants". There is also a "Visited:" field set to "No". Under the Surface Fuels - Vegetation tab, there is a "Num. Transects:" input field. At the bottom, there is a table with columns for Transect, Samp. Loc., Off Set, and Item, containing one row with an asterisk (\*) in the Transect column.

p) Enter these data in the Vegetation FCS table.

#### Vegetation Constants

VegFuCon	VegBD
Low Shrub	0.15
High Shrub	0.10
Herb	0.05

q) Click *Save & Close*

(Fuel Constant Set reports are available in *Analysis and Reports*)