Changing & adjusting growth models, etc.

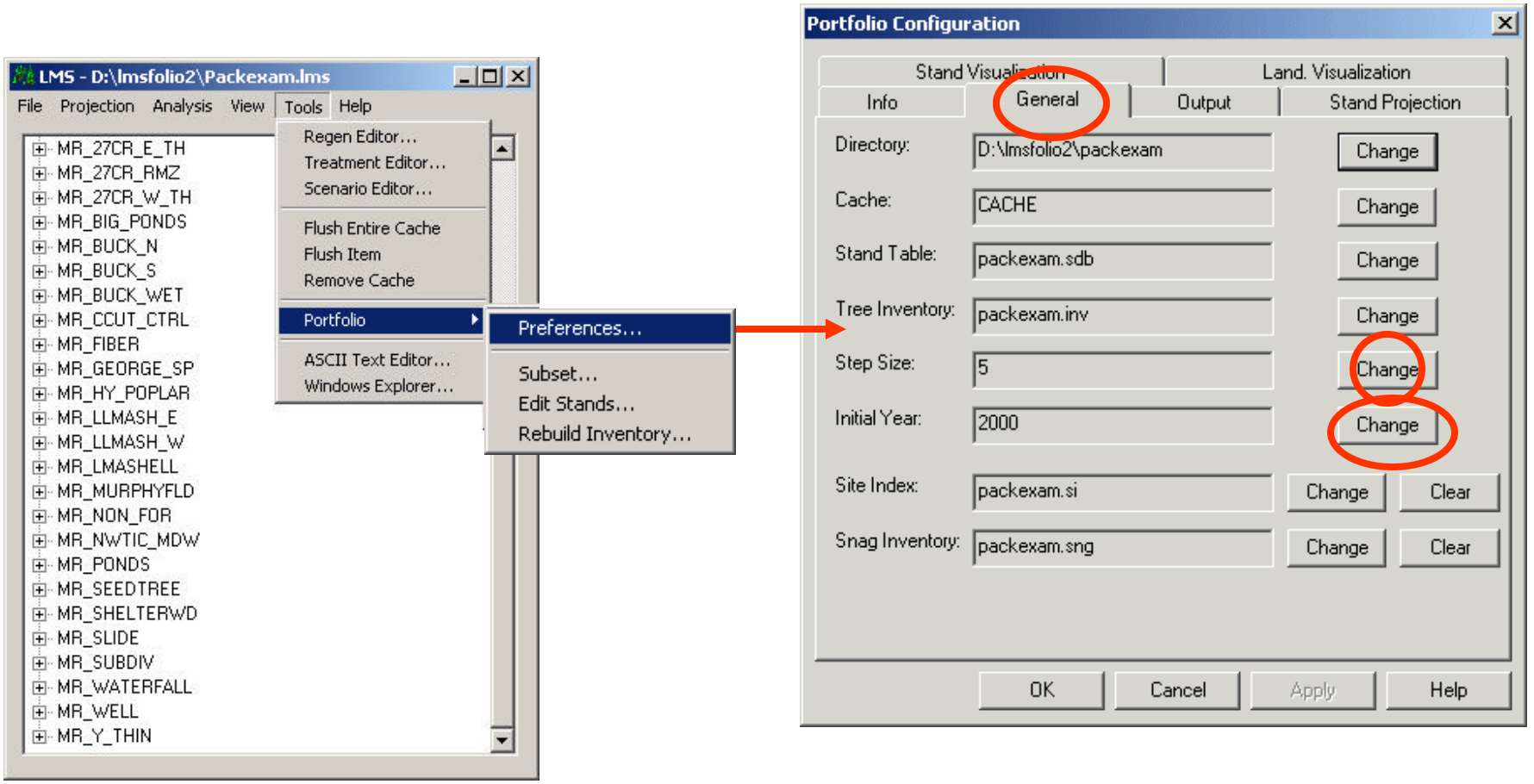


Figure 12.1 Several aspects of a portfolio's set up may be altered by changing the portfolio's preferences. To change a portfolio's preferences from the drop down menu click on **Tools/Portfolio/Preferences**. A new Portfolio Configuration window with four tabs will appear. The **General** tab allows the user to choose a step size for projections. The user may also choose the initial year of the portfolio. The various files and directories that a portfolio uses may also be changed under the **General** tab.

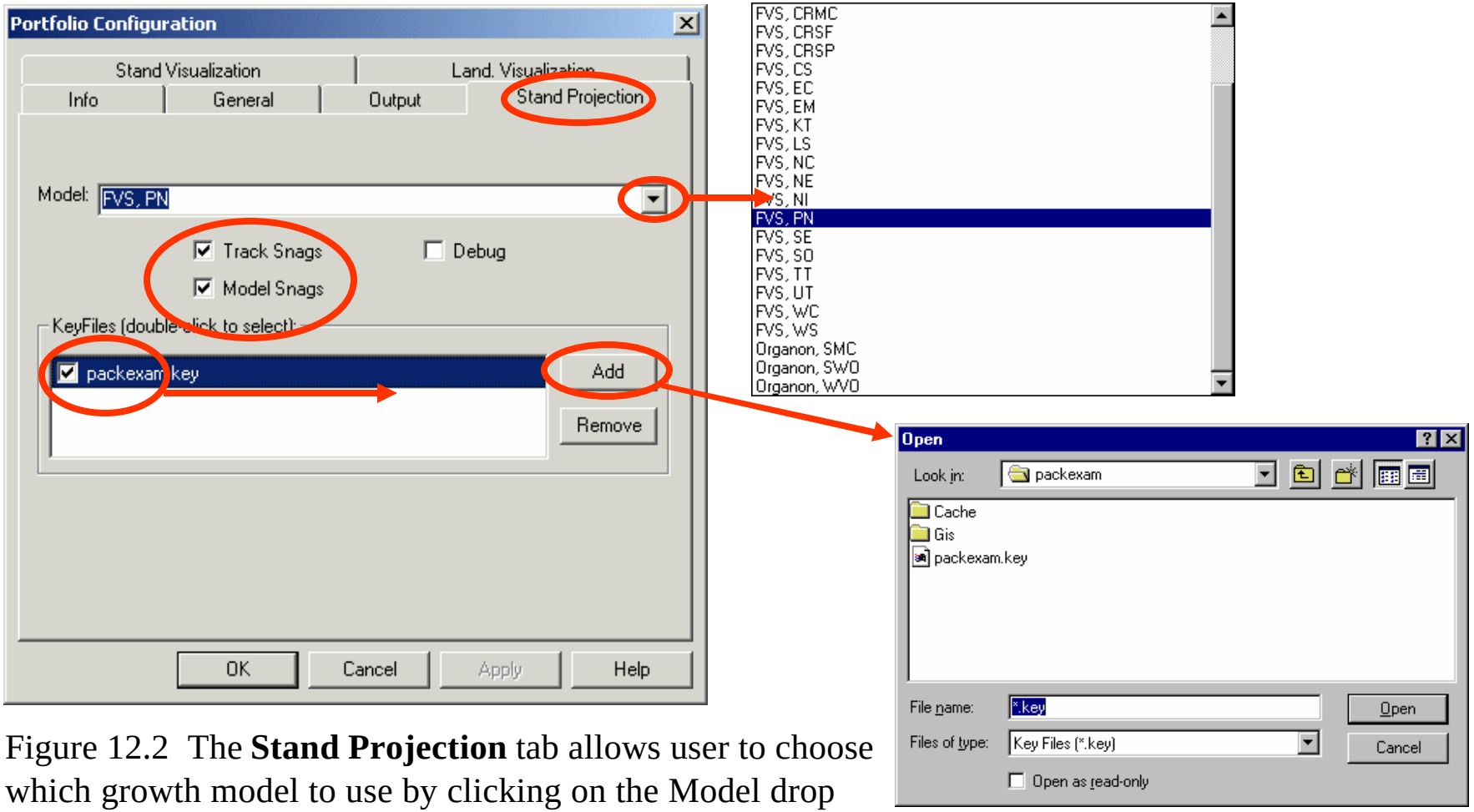
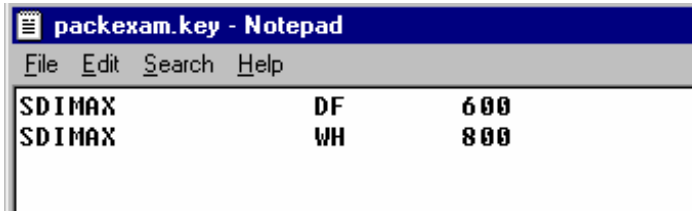


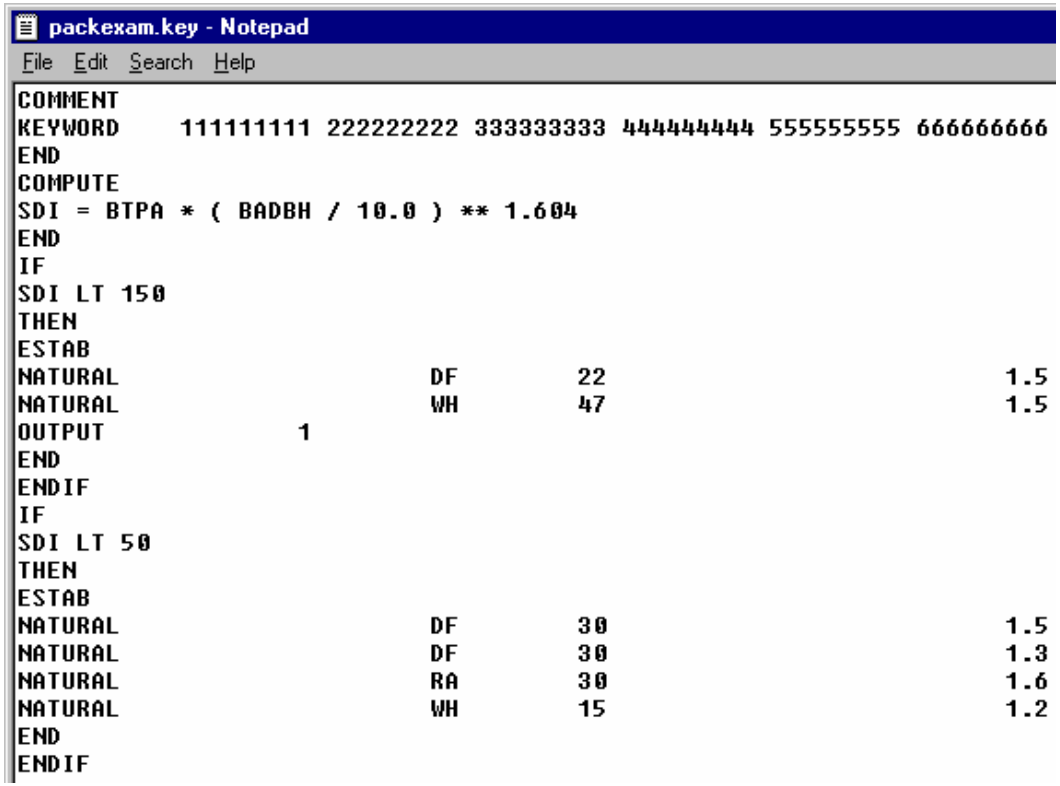
Figure 12.2 The **Stand Projection** tab allows user to choose which growth model to use by clicking on the Model drop down list. Snags may be tracked by clicking on **Track Snags** or **Model Snags**. The Snag model is still under development. Key files are an advanced feature that manipulate how the FVS growth model works. If a model other than FVS is selected the Global Keyfile feature will be disabled. To select a key file under **Global Keyfile** click Enable then click on Browse and choose appropriate key file.

Note! The **Debug** option is for use by LMS technicians to troubleshoot program problems. This function should be kept disabled under normal operational circumstances.

Keyfiles are files that can contain model specific keywords that can be used to control the behavior of the FVS growth model. The keyfile is passed inserted into the run stream when LMS executes FVS.

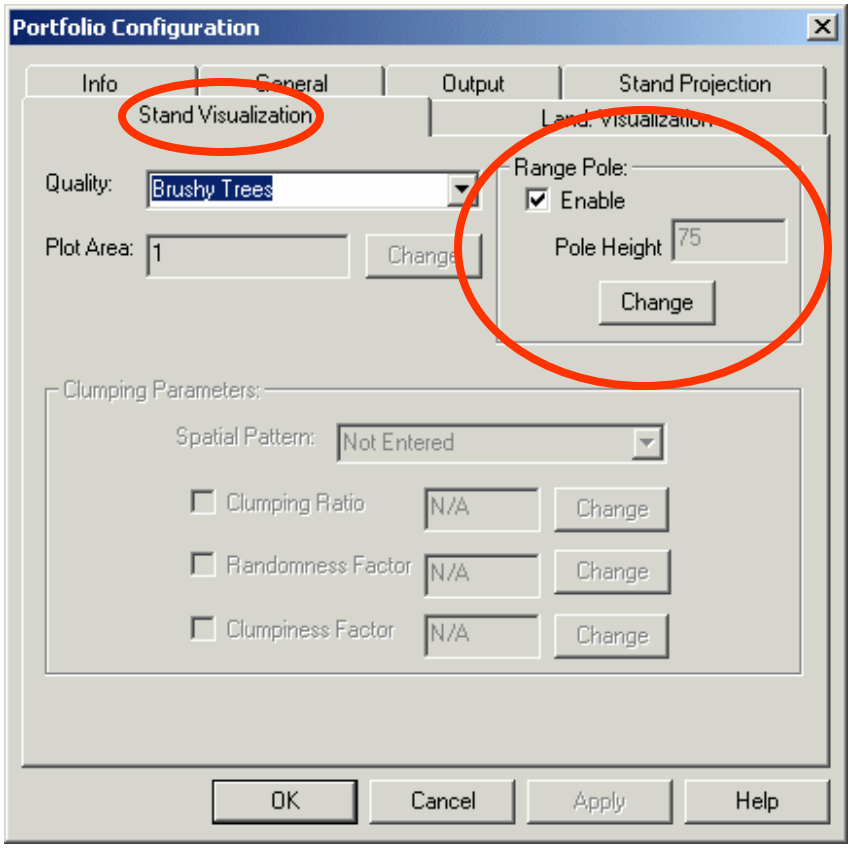


Keyfiles can be simple, only adjusting the maximum size density relationship. In this case setting the maximum SDI for Douglas-fir to 600 and western hemlock to 800...



…or they can be more complex. This example uses the FVS COMPUTE keyword to compute SDI, then depending on the density of the stand create regeneration. If the SDI is less than 150 the regeneration is 22 DF and 47 WH. If the SDI is less than 50 there is additional regeneration of 60 DF, 30 RA, and 15 WH.

These keyfiles can also be used to invoke the insect and disease extensions of FVS.



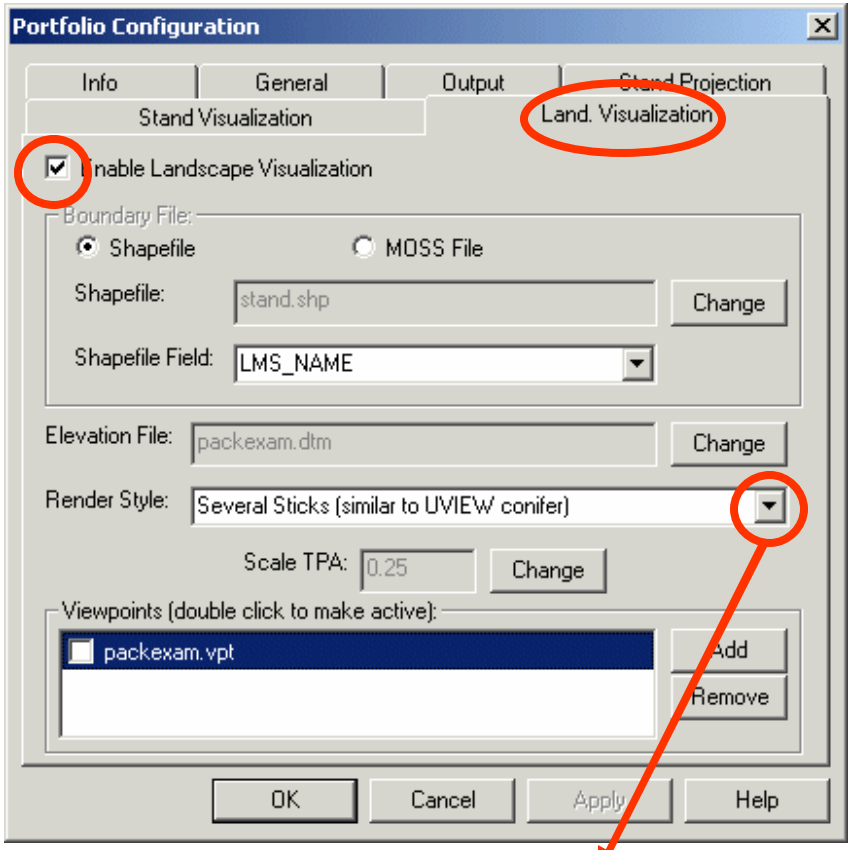


Figure 12.3 The **Visualization** tabs allows both the Landscape and Stand views can be altered. Under **Landscape Visualization**, **Render Style** indicates how the trees will be drawn in the Landscape view (Changing the render style can have a significant impact on the speed of drawing for the landscape view). Under **Stand Visualization** the user may select to include the Range Pole and alter Range Pole height.

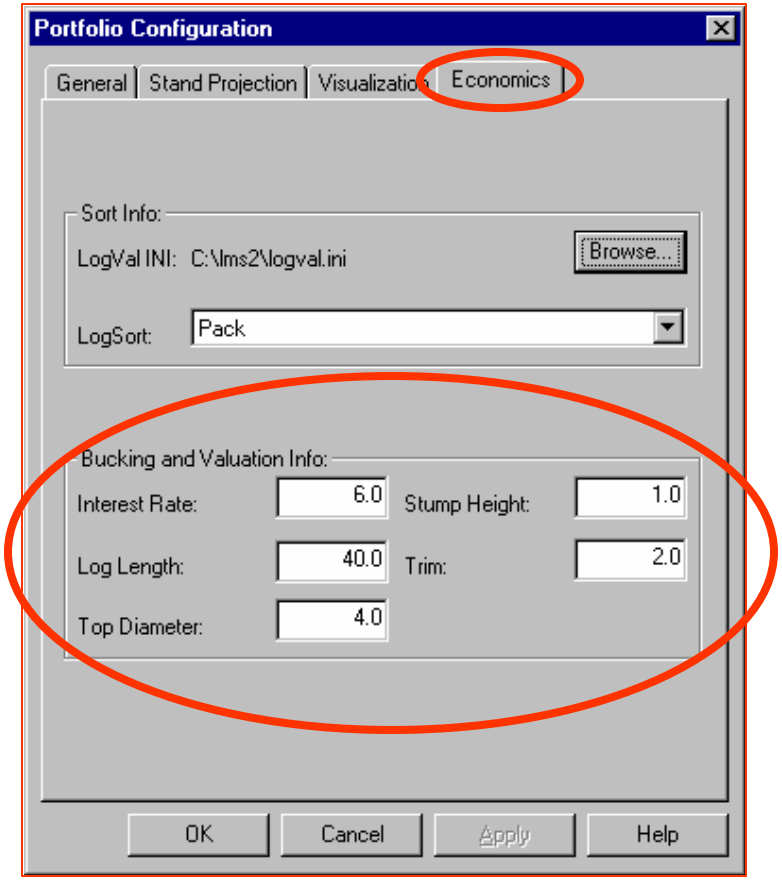


Figure 12.4 The Economics tab lets the user alter the different variables used in the economic analysis. The Economics Analysis in still under development.

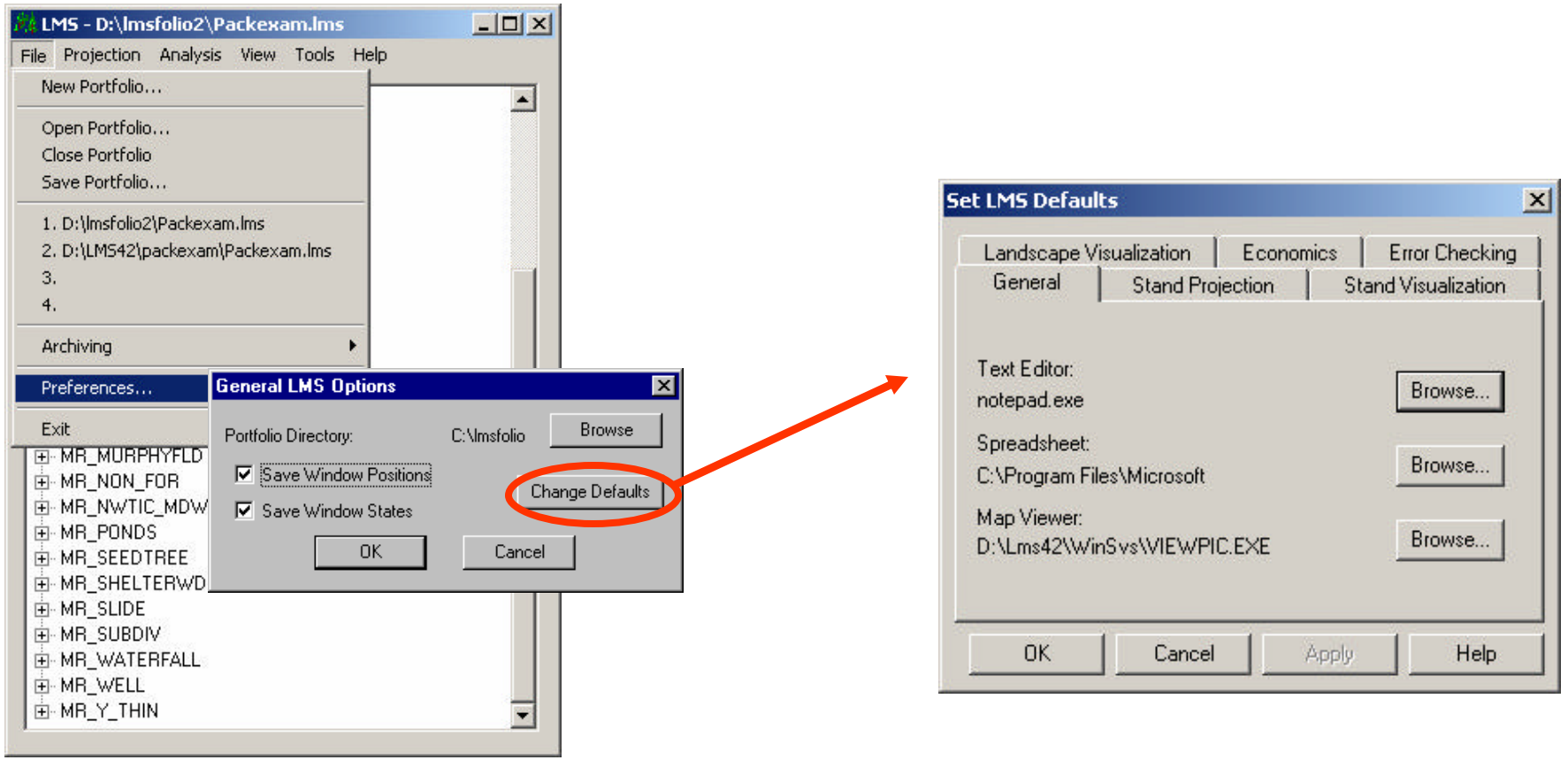
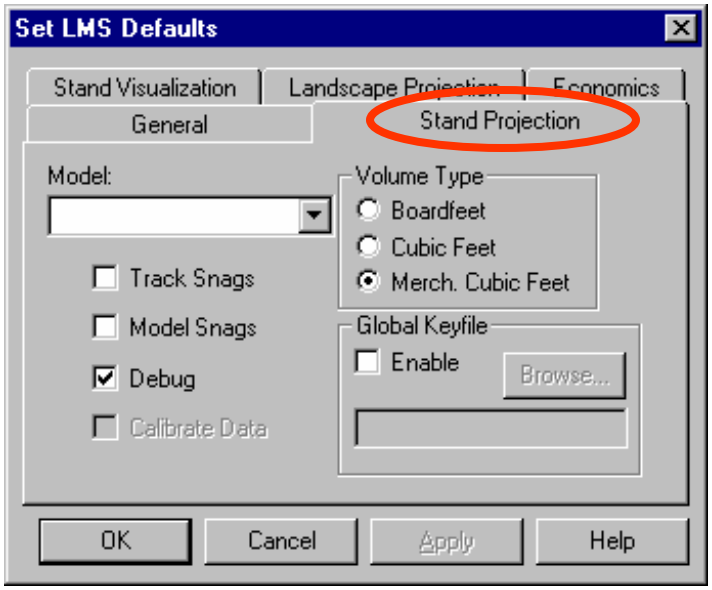
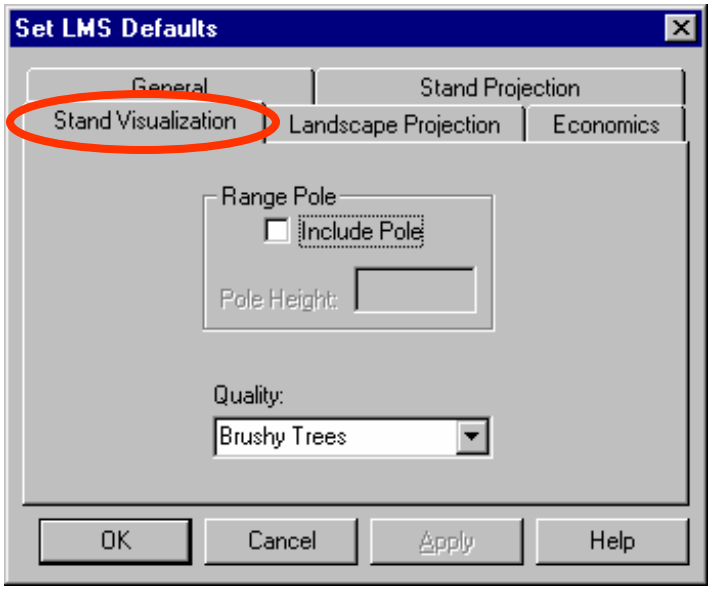
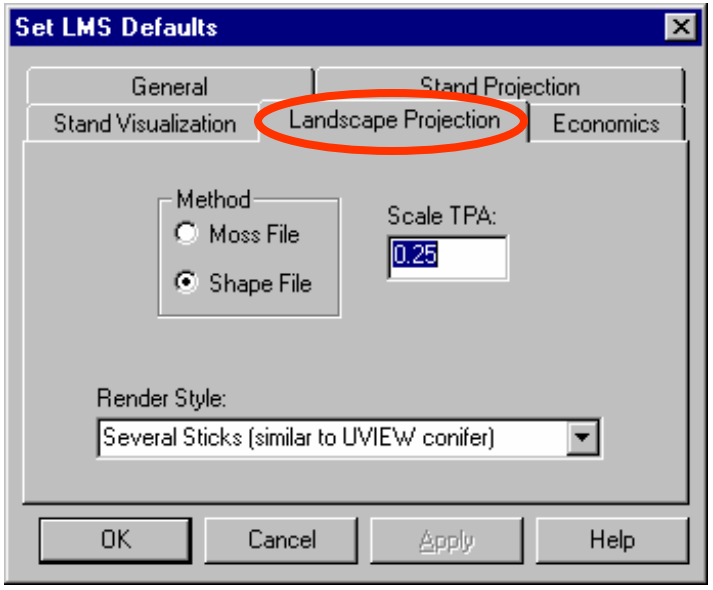


Figure 12.5 Changing the defaults of LMS will change many of the same parameters as portfolio preferences, except that changing the defaults applies **ONLY** when LMS is creating a new portfolio. To change the defaults, from the drop down menu click **File/Preferences** then click **Change Defaults**. The General tab allows the user to select which Text Editor, Spreadsheet, and Map Viewer programs LMS will output to. NOTE: The Map Viewer is not currently used.







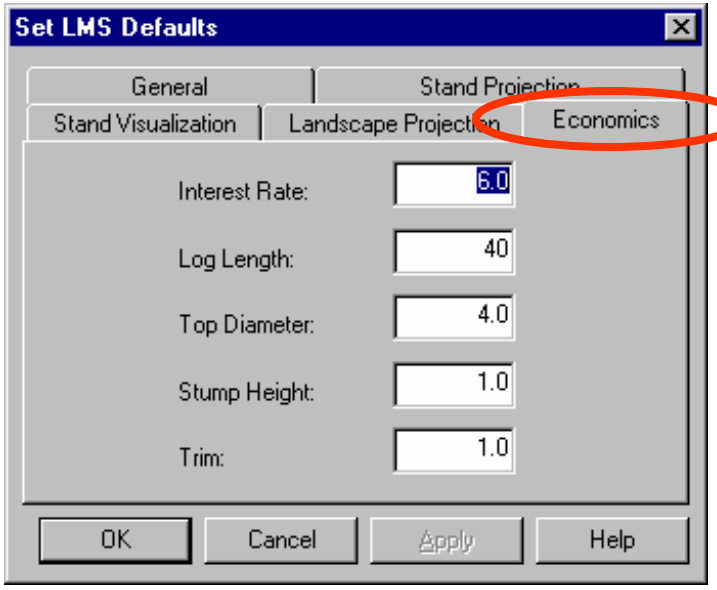


Figure 12.6 The rest of the tabs are the same as the Portfolio preferences tab except that Stand Visualization and Landscape Projection are under separate tabs.