

BehavePlus fire modeling system v2.0

Operation Lesson 8 — File Management

Self-Study

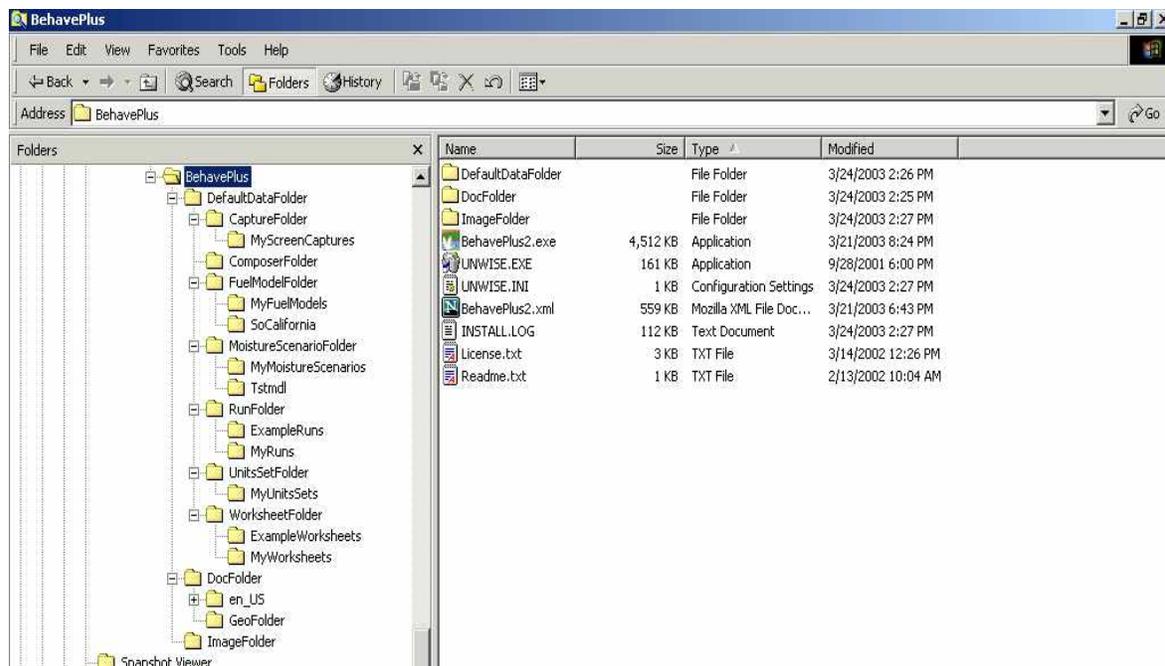
BehavePlus' capabilities to save runs, worksheets, moisture scenarios, images, and fuel models requires users to develop a file management strategy so the saved files can be found and used again.

File naming is a part of file management. File extensions used in BehavePlus indicate a file's use and are an important part of understanding file naming. BehavePlus also has a feature most applications don't, the ability to use a short description of the file when doing file management. In addition to just using folders, BehavePlus has the ability to easily create separate workspaces with all the Worksheet, Run, UnitSets, FuelModel, etc. subfolders. This is handy when working on large fire behavior projects or when several users are on the same computer.

Learn to use Windows Explorer! It lets you see the hierarchical nature of folders and files so you can better understand their organization. Remember to spend a little time to plan a file organization at the beginning of a project, it's easier and takes less time in the long run.

Organization of BehavePlus Files

The image below shows the directory (folder) structure of BehavePlus. The default installation location for BehavePlus is in the **C:\Program Files\SEM** folder. Note that USDA Forest Service policy requires installation at **C:\fsapps\fsprod\fam\BehavePlus**. Within the BehavePlus folder, installation creates a **DefaultDataFolder** as the default workspace. A workspace has all the folders for containing screen captures, custom fuel models, moisture scenarios, saved runs, custom unit sets and saved worksheets. Separate unique workspaces for individual users of a single computer or for individual projects can be created.



BehavePlus Extensions

A list of three letter file extensions used by BehavePlus is shown in the following table:

.bpf	BehavePlus custom fuel model
.bpm	BehavePlus moisture scenario
.bpw	BehavePlus Worksheet
.bpr	BehavePlus Run
.bpu	Behave Plus Units Set
.png	Portable network graphic image format
.bmp	Bitmap graphic image format
.jpg	JPEG graphic image format

These extensions are automatically attached to the files you create in BehavePlus, but understanding them can help you with your file naming and management.

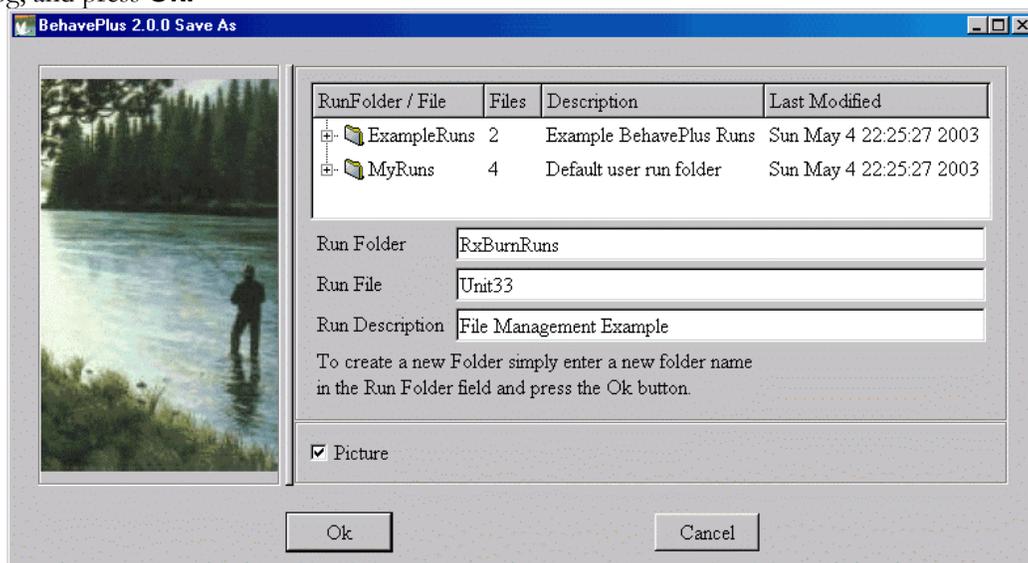
Making New Folders

Why make new folders:

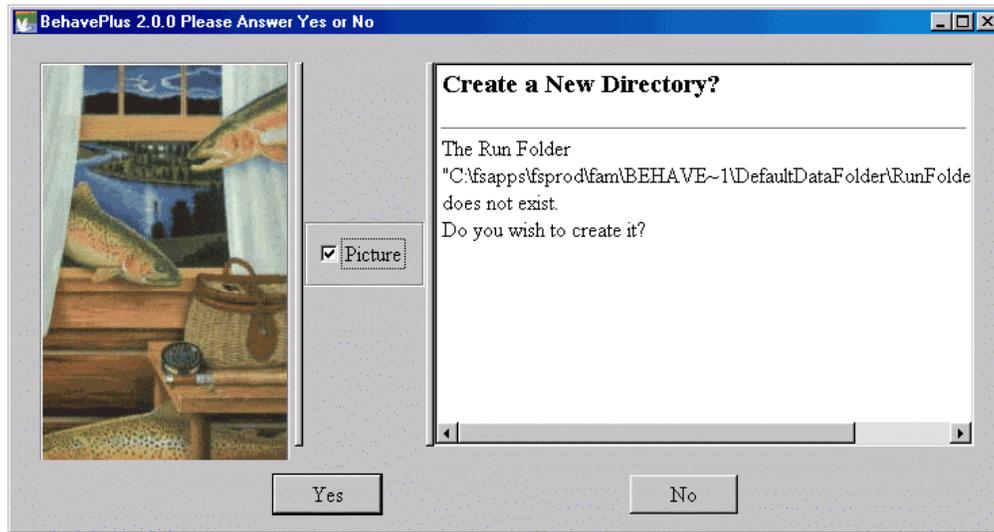
- To archive a project, such as all the runs supporting a prescribed burn plan or project fire.
- To transfer a group of runs, fuel models, worksheets, or moisture scenarios to another computer, Zip disk, or CDROM.
- To organize files for easy access.

There are two ways to make a new folder, these steps will make a new Run Folder named “RxBurnRuns”:

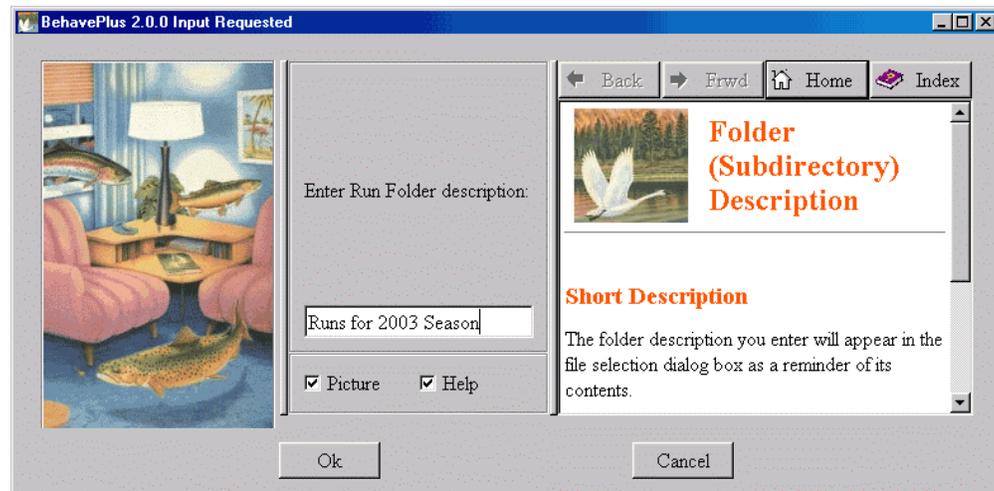
The first method is used when saving a run, fuel model, worksheet, moisture scenario, or units set in BehavePlus. For example, create a new run and save it. When saving the run enter “RxBurnRuns” in the **Run Folder** text box as well as entering the **Run File** and **Run Description** in the Save As dialog, and press **Ok**.



Now a “Please Answer Yes or No” dialog box appears, click the **Yes** button.



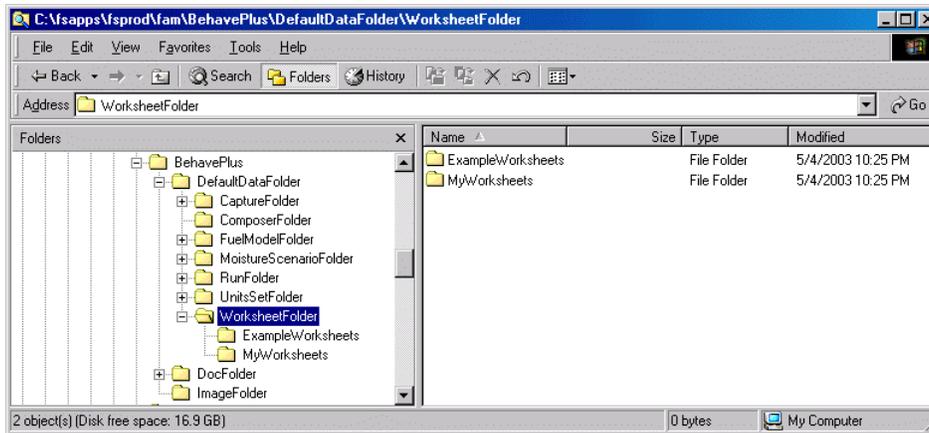
And then an Input Requested dialog appears where you enter a description for the new folder.



An “FYI” dialog box appears confirming the saved run. Click the **OK** button to close the dialog box.

This first method is the preferred method for making a new BehavePlus folder, as you are prompted to enter a description for the new folder. The description subsequently appears on all the folder selection dialogs.

The second method is to use **Windows Explorer** to create a new run folder. This method does not create a description file in the new folder, so no description will appear for the new folder in subsequent folder selection dialogs.



- First select the **...BehavePlus\DefaultDataFolder\WorksheetFolder** in the left pane where you want the new folder created.
- Select the **File > New > Folder** command.
- A highlighted **NewFolder** folder appears in the right pane.
- Type **“RxWorksheets”** to rename **NewFolder** and press **Enter**.

You have now created two new folders,

...BehavePlus\DefaultDataFolder\WorksheetFolder\RxWorksheets and

...BehavePlus\DefaultDataFolder\RunFolder\RxBurnRuns

to store prescribed fire worksheets and runs in.

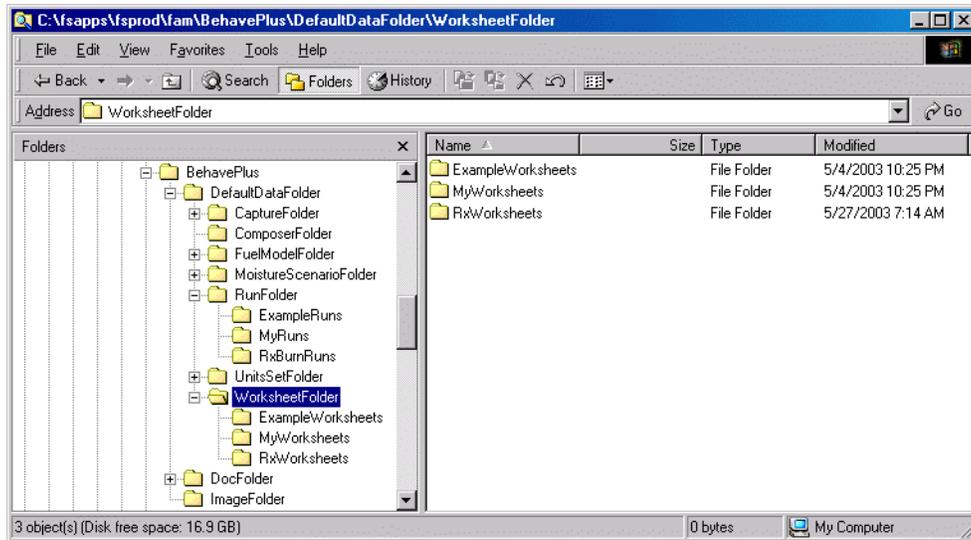
Saving BehavePlus Files

In previous lessons you learned to save runs, moisture scenarios, fuel models, and worksheets. Make sure you have the following BehavePlus files from previous lessons in the appropriate folders:

- **Spot-3.bpr** and **Surface-4.bpr** in the **MyRuns** folder.
- **Tutorial-1.bpw** and **SurfaceSimple-4.bpw** in the **MyWorksheets** folder.

Moving BehavePlus Files

You move **BehavePlus** files and folders using **Windows Explorer**. The left pane of **Windows Explorer** should look like this with the two new folders you just created. You may need to expand **RunFolder** and **WorksheetFolder** by clicking **+** to the left of the folder.



To move files one at a time:

- In the left pane select the **MyRuns** folder to display its contents in the right pane.
- Right click **Spot-3.bpr** in the right pane and select the **Copy** command from the shortcut menu.
- Right click on the **RxBurnRuns** folder in the left pane and select the **Paste** command from the shortcut menu.
- Now in the right pane, right click **Surface-4.bpr** and select the **Cut** command from the shortcut menu.
- Again right click on the **RxBurnRuns** folder in the left pane and select the **Paste** command from the shortcut menu.

Notice the difference in the **Cut** and **Copy** commands. **Copy** duplicates the file while **Cut** moves a single file to the new location. You can use this method to backup your work onto Zip disks or CD-ROMS.

To move groups of files:

- In the left pane click the **MyWorksheets** folder to display its contents in the right pane.
- Click **Tutorial-1.bpw**.
- Hold down the **Ctrl** key and click **SurfaceSimple-4.bpw**, both files are now selected.
- Right click on either file and select the **Copy** or **Cut** command.
- Right click on the **RxWorksheets** folder in the left pane and select the **Paste** command.

Both files should now be in the **RxWorksheets** folder.

Deleting BehavePlus Files

BehavePlus files and folders can be deleted using **Windows Explorer**. To delete the duplicate file **Spot-3.bpr** from the **MyRuns** folder:

- Click the **MyRuns** folder in the left pane of **Windows Explorer** to show its contents in the right pane.
- Right click on the file **Spot-3.bpr**.

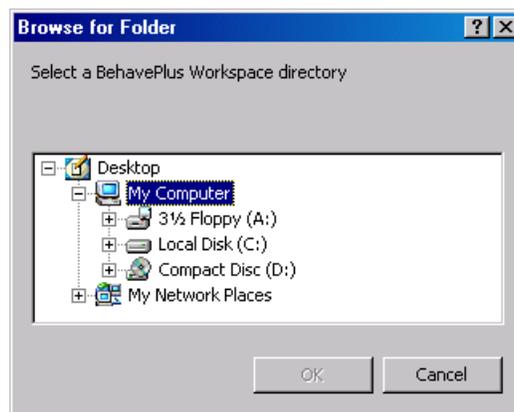
If the file is located on a local hard disk, you have a choice of moving the file to the **Recycle Bin** (the default) or deleting it permanently from your local hard drive.

- Selecting the **Delete** command from the shortcut menu will move the file to the **Recycle Bin** where you can retrieve it later if needed, or
- holding down the **Shift** key while selecting the **Delete** command removes the file permanently from your hard drive.

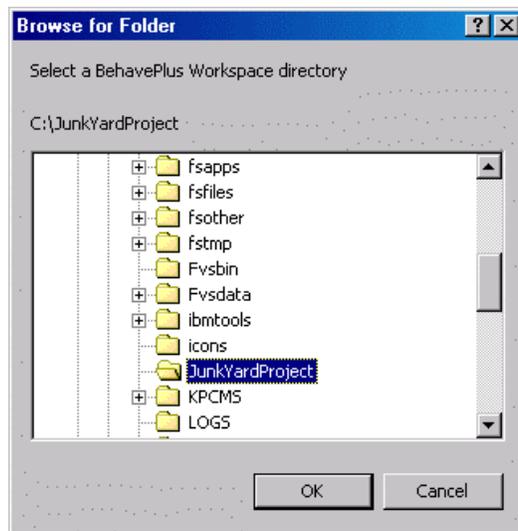
Creating a New Workspace

In the **BehavePlus** folder, the install process creates a **DefaultDataFolder** as the default workspace for the folders to contain the user's input and output files.

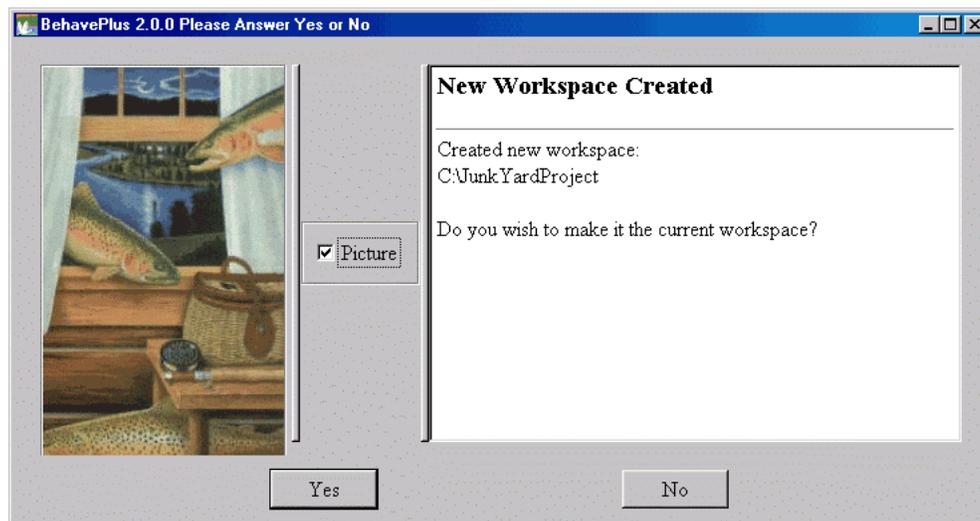
- To create separate unique workspaces for individual users or projects first create a new folder in **Windows Explorer** using the second method described above under the Making New Folders heading. Make the new folder directly under **Local Disk (C:)** and name it **JunkYardProject**.
- Now using BehavePlus select the **File > Workspaces > New Workspace** command to bring up the “**Browse for Folder**” dialog box.



- Navigate to the new “**JunkYardProject**” folder on your hard drive,
- Select the “**JunkYardProject**” folder so that it is highlighted, your “**Browse for Folder**” dialog box should look like this.

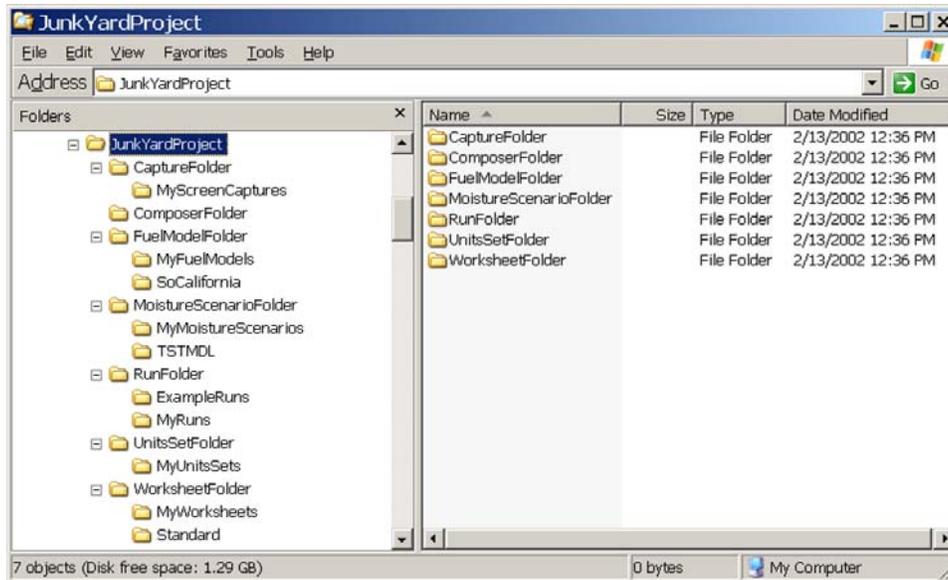


- Click **OK**. The following message appears, indicating the new workspace directory was created.



- Click the **No** button to close the above message.

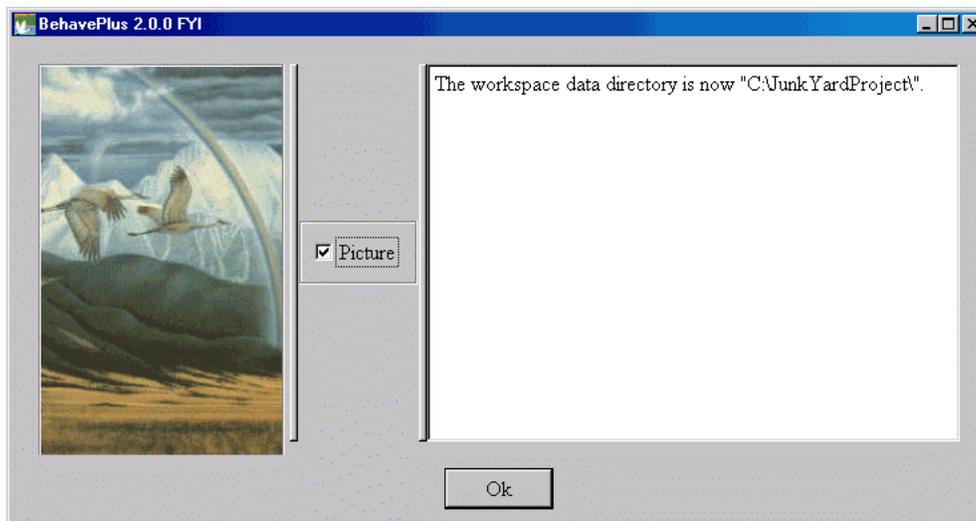
Open up **Windows Explorer** and expand the **JunkYardProject** folder and sub-folders by clicking the **+** to the left of each folder. The expanded folder should look like that shown below:



Opening an Existing Workspace

Once you have created separate workspaces you can change the one that BehavePlus uses to open or save runs, worksheets, moisture scenarios, etc.

- Select **File > Workspaces > Open Workspace**.
- In the “**Browse for Folder**” dialog box, navigate to and select the **JunkYardProject** folder.
- Click **OK**. The following message appears, confirming which workspace directory is selected.



- Click the **OK** button. Now all your save and open file operations will take place in the **JunkYardProject** workspace.