

# Chapter 5

## Program Execution

### 5.1 Executing HEC-1 Through the Menu System

After installation and prior to execution, your system must be rebooted. You are now ready to test the computer program. The preferred mode of execution is through the menu system, though you can run the program without going through the menu (see Section 5.2, "Executing **HEC-1** Without the Menu"). To execute the program through the menu system do the following:

1. Go to the directory containing your **HEC-1** data files (e.g., **CD\HEC-1**, see Figure 2).
2. Type **MENU1** and press the **<ENTER>** key. This will invoke the batch file used to run the menu system of programs. You must operate the menu system through this batch file or the HEC-1 Package of programs will not function correctly.
3. The **HEC-1** Package Menu should now appear on the screen, as shown in Figure 3. As you can see you have five choices.
4. If you have reviewed the section on the **HEC-1** Package Menu you will know that it is necessary to do option 1 first. While option 1 is highlighted press the **<ENTER>** key and then type in the input file name in the pop up window shown in Figure 4. For this example type **HEC101** for the input filename and the default extension ".DAT" will be provided for you. Also provided automatically will be the output file name **HEC1.OUT** and the DSS file name **HEC101.DSS**. This is accomplished by having the default extension option turned on. If you do not wish to use the default extensions, you may turn this option off by pressing the space bar while the default extension option is highlighted.
5. If your input file needs editing, you should select option 2. For now we will bypass this step since the defined input file, "HEC101.DAT," already exists and requires no further editing. If you wish to create or edit your own input file you should use option 2.
6. Now select option 3 which is to run HEC-1. Note that the input, output and DSS file names are passed to the HEC-1 program. When the HEC-1 program has finished executing, you should see the message, "NORMAL END OF HEC-1." To return control back to the main HEC-1 Package Menu, press any key.
7. At this point you may want to view the output on the screen, to do this select option 4. Viewing output on the screen is done by executing the LIST utility. LIST has several

nice features for viewing the output file. To become more familiar with the LIST features type a "?" or F1 while in the LIST utility, or review the LIST.DOC file. To get out of LIST type an X or ESC, which will terminate the program and give control back to the HEC-1 Package Menu. You may also want to send the output to the printer to get a hard copy. This can be accomplished by toggling the printer using the space bar while option 4 is highlighted, and then pressing the <ENTER> key. Note: output is 132 columns wide so you may need to set your printer font accordingly.

8. At this point you can exit the menu program by invoking option 5, or you can continue working with the previous four options.

## 5.2 Executing HEC-1 Without the Menu System

Though the preferred mode to execute HEC-1 is through the MENU1 program, you can run the program without using the menu. One such application would be for running several HEC-1 jobs in series without further user input. To run the program without using the menu system, do the following:

- \* Go to the directory in which your data are stored (e.g.,\HEC1).
- \* Type **HEC1 INPUT=inpname OUTPUT=outname DSS=dssname** then press the <ENTER> key.

Where: inpname = The name of the input file (e.g., HEC101.DAT).  
outname = The name of the output file (e.g., HEC101.OUT).  
dssname = The name of DSS file (e.g., HEC101.DSS).