

Appendix F

Copying and Printing ResSim Data

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Appendix F

Copying and Printing ResSim Data

Plots and tables in HEC-ResSim offer detailed views of data and model results that you can print or copy and paste into other applications. You can also print reports generated by the program.

The **File** menu in ResSim plots, illustrated in Figure F.1, contains several commands that allow you to save the plot, save the plot's template, apply a template to the plot, copy the plot to the clipboard to be pasted into other applications (such as Microsoft® Word, Excel, etc.), and print the plot. These commands are also available when the data is tabulated.

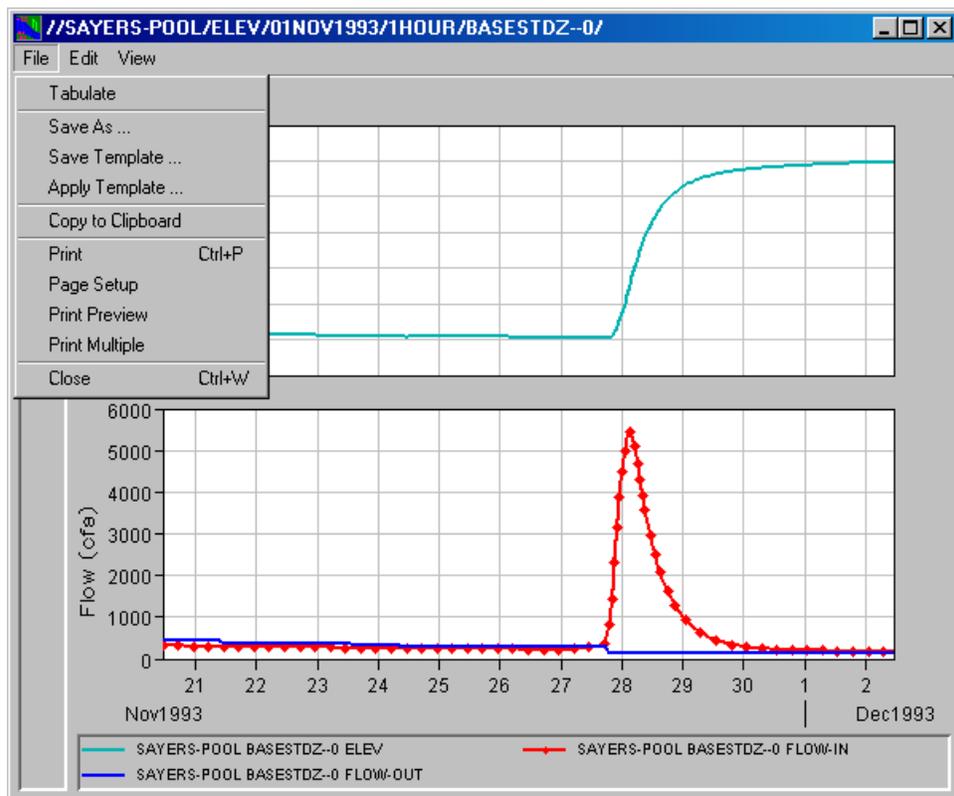


Figure F.1 Plot Window - File Menu

F.1 Saving Plots and Templates

When a plot is displayed, you can choose to save the plot as a file on your computer. You can also choose to save or apply a template.

F.1.1 Save Plot to a File

From the **File** menu of a plot, when you select **Save As...** (to save the plot to a file on your computer), a dialog box appears (Figure F.2). Provide a **File name** and select from the following **Files of type**: Windows Metafile (*.wmf), JPEG (*.jpg, *.jpeg), and Portable Network Graphics (*.png).

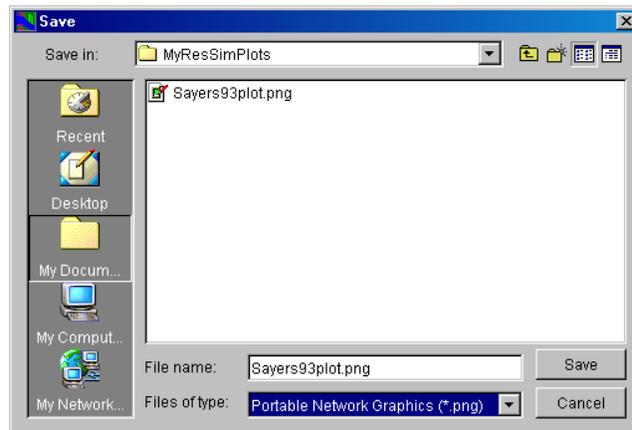


Figure F.2 Plot Window - File Menu: Save Plot

F.1.2 Saving and Applying Plot Templates

Once you have customized an individual plot, you can save its settings as a **Template** that you can apply to other plots. To create a template based upon a plot, you will use the **Save Template...** option from the **File** menu of the plot window. Figure F.3 shows the dialog box that appears for saving a template. Provide a **File name** and choose whether the template will be available for **All Applications** or for **This Watershed only**.

Similarly, you can apply **Templates** to use previously defined properties to an individual plot. To apply a template to a new plot, you will use the **Apply Template** option in the **File** menu of a plot window.



Figure F.3 Plot Window - File Menu: Save Plot Template

F.2 Copying Plots to the Clipboard

Use the **Copy to Clipboard** command in the plot window's **File** menu to copy a plot to the clipboard. You can then paste the plot as an image into another application such as Microsoft® Word, Excel, etc.

F.3 Printing Plots

The **Print** command in the plot window's **File** menu opens the **Print** dialog box (Figure F.4), where you can choose your printer (by **Name**), set printer **Properties**, and specify the **Number of copies** to print. You can also select **Print to File** to print your plot to a **File** instead of to a printer.

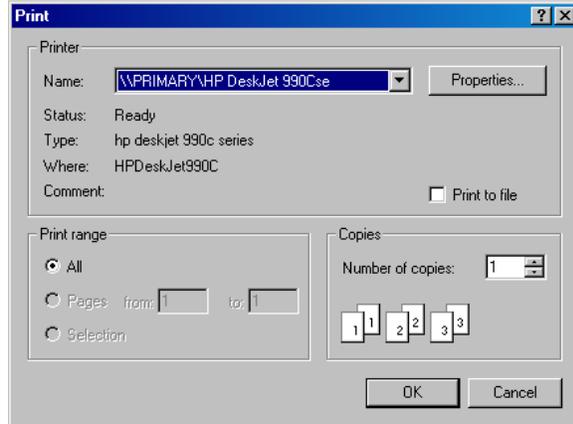


Figure F.4 Plot Window - File Menu: Print Dialog Box

The **Page Setup** command in the plot window's **File** menu opens the **Page Setup** dialog box (Figure F.5), where you can set the page **Orientation**, choose to print **Page Numbers**, select the **Printer Scale**, and set the **Margins**. The **Set Margins** button opens the **Printer Margins** dialog box (Figure F.6).

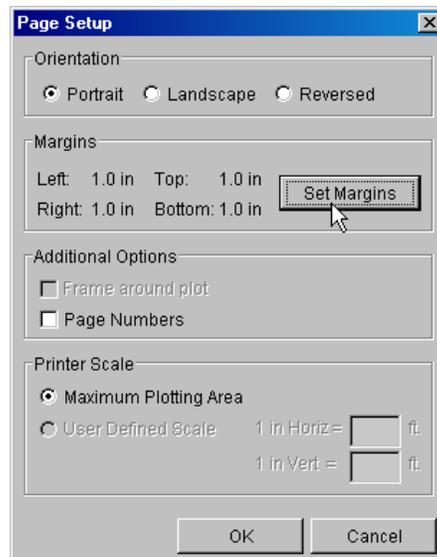


Figure F.5 Page Setup Dialog Box

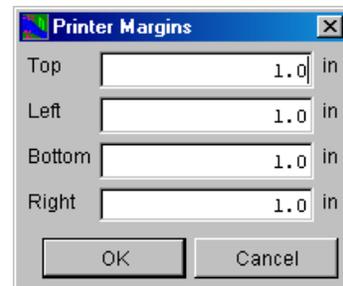


Figure F.6 Printer Margins Dialog Box

The **Print Preview** command in the plot window's **File** menu allows you to view the plot as it will be printed. Figure E.7 shows an example.

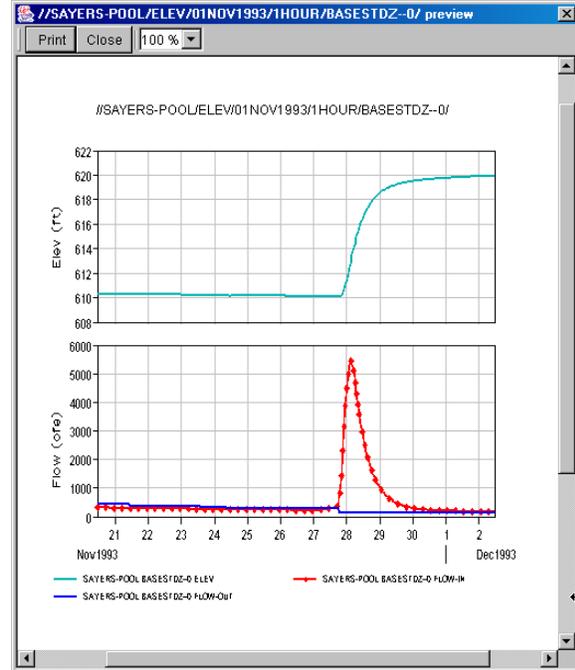


Figure E.7 Print Preview of a Plot (Example)

Finally, with the **Print Multiple** command in the plot window's **File** menu, you can print several plots on one page.

The **Print Multiple** dialog box (Figure F.8) shows all of the currently opened plots in the **Available Plots** pane. To select plots for printing, double-click on them and they will move to the **Selected Plots** pane.

Next, use the slider bars to specify the number of plots you wish to appear horizontally and vertically on the page. The grid to the right of the sliders reflects your choices.

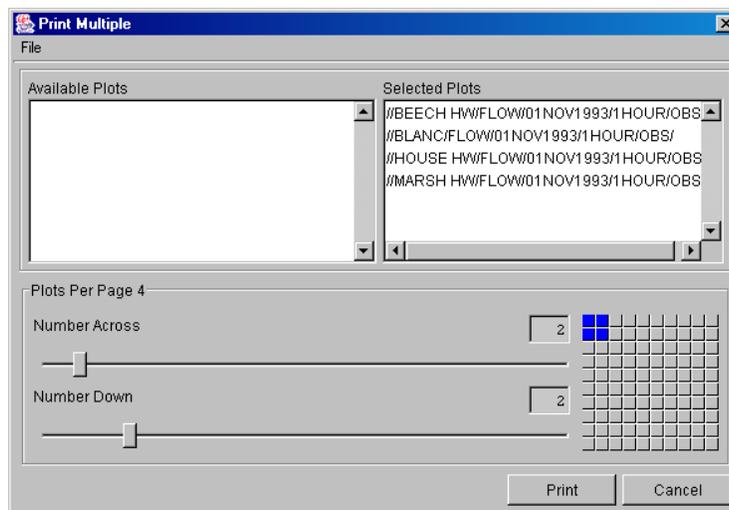


Figure F.8 Print Multiple Plots Dialog Box

You can also access the **Page Setup** and **Print Preview** commands from the **File** menu of the **Print Multiple** dialog box. Figure F.9 shows an example print preview of multiple plots.

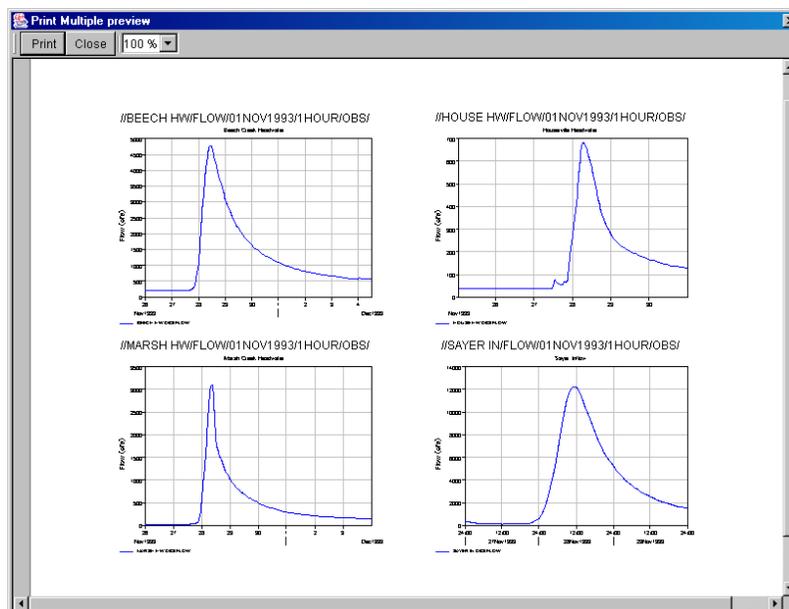


Figure F.9 Print Multiple Preview Dialog Box (Example)

F.4 Copying, Exporting, and Printing Tabulated Data

When tabulating plotted data, the **File**, **Edit**, and shortcut menus are available and offer several commands that allow you to print as well as copy and paste data into other applications, such as Microsoft® Excel and Word.

F.4.1 Copying Tabulated Data to the Clipboard

To copy tabulated data to the clipboard, use the **Copy** command in the tabulated data window's **Edit** menu (Figure F.10) or right-click inside the tabulated data and select **Copy** from the shortcut menu (Figure F.11). You can then paste the tabulated data as tab-separated values into another application such as Microsoft® Excel or Word.

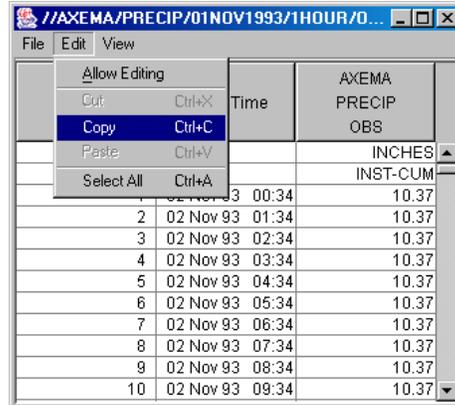


Figure F.10 Copy Command from Edit Menu of Tabulated Data Window

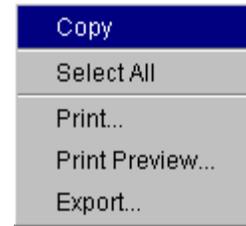


Figure F.11 Copy Command from Shortcut Menu of Tabulated Data

F.4.2 Exporting Tabulated Data

You can also use the **Export** command in the shortcut menu (see Figure F.11) to export a table to a file, which you can then open in another application.

The **Export** command opens the **Table Export Options** dialog box (Figure F.12).

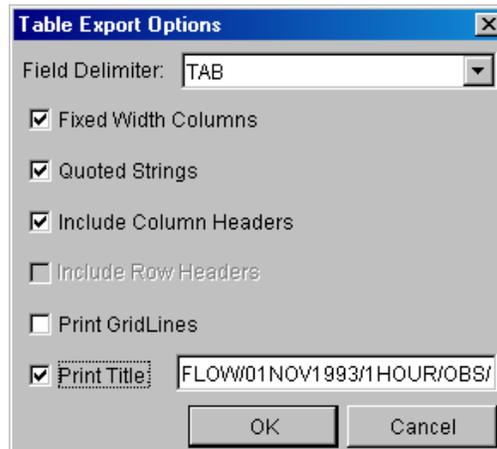


Figure F.12 Table Export Options Dialog Box

In the **Table Export Options** dialog box, you can choose the **Field Delimiter** (Tab, Space, Comma, or Colon), specify **Fixed-Width Columns**, choose to display **Quoted Strings**, **Include Column Headers** and **Row Headers**, and choose to **Print Gridlines** and **Title**.

F.4.3 Printing Tabulated Data

You can access the **Print** command from either the **File** menu (Figure F.13) of the tabulated data window or from the shortcut menu (Figure F.14) of the tabulated data. The **Print Preview** command is also available in the shortcut menu.

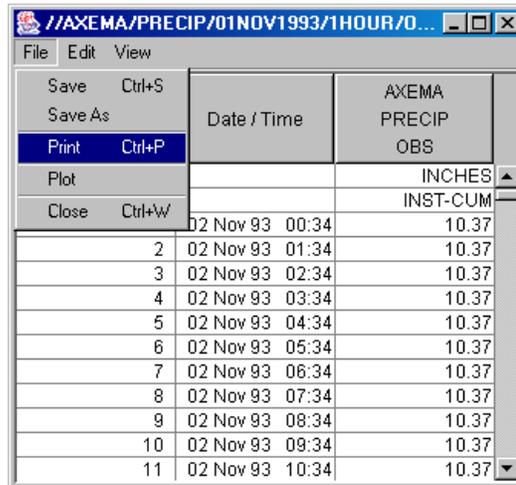


Figure F.13 Print Command from File Menu of Tabulated Data Window

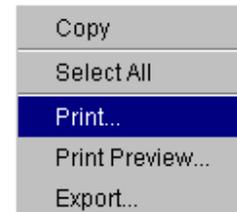


Figure F.14 Print Command from Shortcut Menu of Tabulated Data

The **Print** and **Print Preview** commands open the **Print Properties** dialog box (Figure F.15), which offers options on three tabs.

The **Page** tab allows you to specify the page **Orientation**, **Scaling**, and **Selection**. You can also choose to print the table as **ASCII**, to **Repeat Headers** on every page, and print the **Gridlines**.

On the **Header/Footer** tab, you can type in the header and footer you want to appear on your printed pages.

The **Table Title** tab offers a default title for the table based on the data source. You may edit this title.

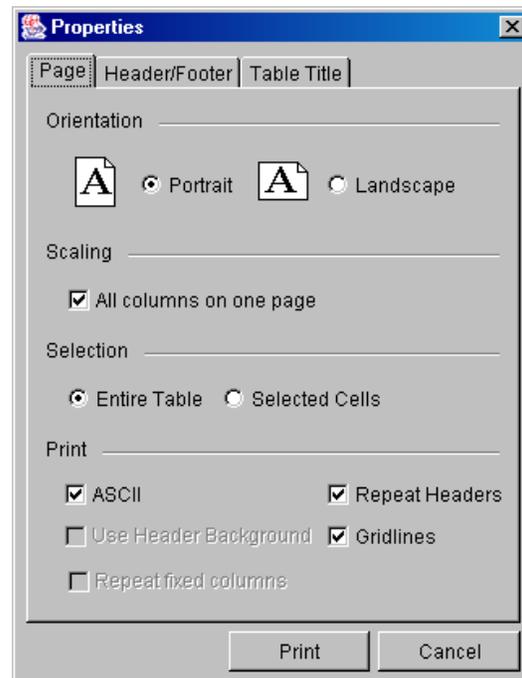
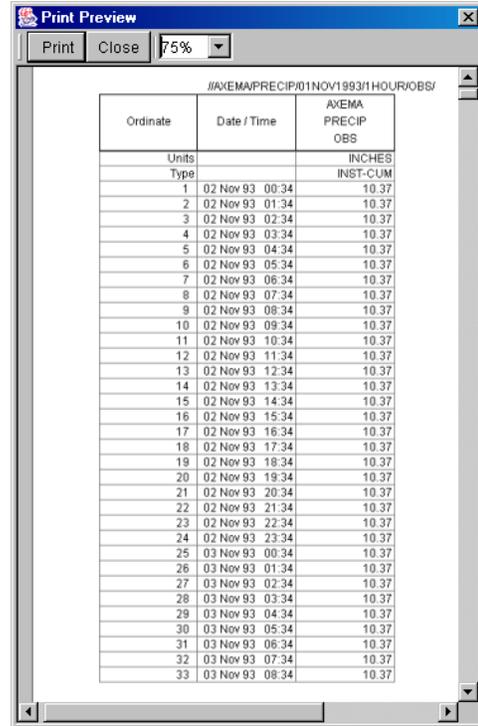


Figure F.15 Print Properties Dialog Box

On the **Print Properties** dialog box, the **Print** button performs two functions, depending on whether you arrived at the dialog box via the **Print** command or the **Print Preview** command.

From the **Print Preview** command, the **Print** button on the **Print Properties** dialog box opens a Print Preview window, which allows you to view the data as it will be printed. Figure F.16 shows an example. The **Print** button at the top of the Print Preview window will bring up the **Print Dialog Box** (see Figure F.17).



The screenshot shows a 'Print Preview' window with a table of data. The table has three columns: 'Ordinate', 'Date / Time', and 'AXEMA PRECIP OBS'. The data is organized into three sections: 'Units' (INCHES), 'Type' (INST-CUM), and a list of 33 rows of data. Each row contains an ordinate number, a date and time (e.g., 02 Nov 93 00:34), and a precipitation value (10.37).

Ordinate	Date / Time	AXEMA PRECIP OBS
Units INCHES		
Type INST-CUM		
1	02 Nov 93 00:34	10.37
2	02 Nov 93 01:34	10.37
3	02 Nov 93 02:34	10.37
4	02 Nov 93 03:34	10.37
5	02 Nov 93 04:34	10.37
6	02 Nov 93 05:34	10.37
7	02 Nov 93 06:34	10.37
8	02 Nov 93 07:34	10.37
9	02 Nov 93 08:34	10.37
10	02 Nov 93 09:34	10.37
11	02 Nov 93 10:34	10.37
12	02 Nov 93 11:34	10.37
13	02 Nov 93 12:34	10.37
14	02 Nov 93 13:34	10.37
15	02 Nov 93 14:34	10.37
16	02 Nov 93 15:34	10.37
17	02 Nov 93 16:34	10.37
18	02 Nov 93 17:34	10.37
19	02 Nov 93 18:34	10.37
20	02 Nov 93 19:34	10.37
21	02 Nov 93 20:34	10.37
22	02 Nov 93 21:34	10.37
23	02 Nov 93 22:34	10.37
24	02 Nov 93 23:34	10.37
25	03 Nov 93 00:34	10.37
26	03 Nov 93 01:34	10.37
27	03 Nov 93 02:34	10.37
28	03 Nov 93 03:34	10.37
29	03 Nov 93 04:34	10.37
30	03 Nov 93 05:34	10.37
31	03 Nov 93 06:34	10.37
32	03 Nov 93 07:34	10.37
33	03 Nov 93 08:34	10.37

Figure F.16 Print Preview of a Table (Example)

From the **Print** command, the **Print** button on the **Print Properties** dialog box opens the **Print** dialog box (Figure F.17). Here you can choose your printer (by **Name**), set printer **Properties**, and specify the **Number of copies** to print. You can also select **Print to File** to print your plot to a **File** instead of to a printer.

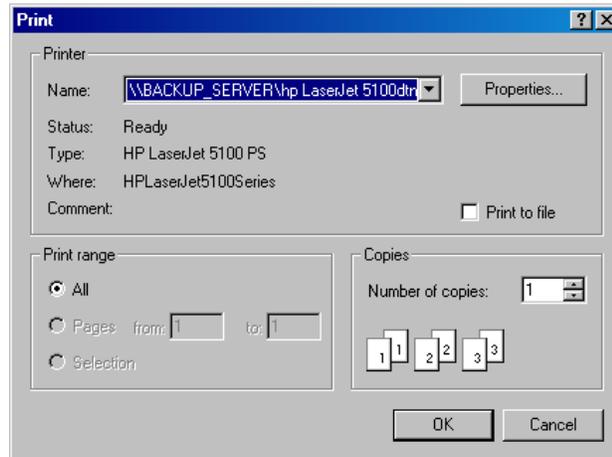


Figure F.17 Print Dialog Box

F.5 Printing Simulation Reports

You can print reports from the **Reports** menu in any of the ResSim modules. For example, several simulation reports are available from the **Report** menu in the **Simulation** module (see “Viewing Summary Reports” in Chapter 14, Section 14.5.3).

From the **File** menu of a report, select **Print**. The **Print Properties** dialog box will open (as previously shown in Figure F.15). The **Print Preview** capability is available from the shortcut menu of the summary reports. As an example, Figure F.18 shows the **Print Preview** for the **Flow Summary** report.

Workspace: BaldEagleDemo
Simulation: 1993.11.27-1800
Alternative BaseB19Z

Lookback: 20 Nov 1993 08:00
Start Time: 27 Nov 1993 15:00
End Time: 02 Dec 1993 08:00

Location/Parameter	Average	Maximum	Minimum
Bald Eagle Total			
Regulated Flow (cfs)	1005	4552	393
Unregulated Flow (cfs)	1319	9540	439
Cumulative Local Flow (cfs)	771	4422	251
Beech Ok Station			
Regulated Flow (cfs)	410	2622	119
Unregulated Flow (cfs)	958	7810	303
Cumulative Local Flow (cfs)	410	2622	119
Blanchard			
Regulated Flow (cfs)	250	434	130
Unregulated Flow (cfs)	547	5454	174
Cumulative Local Flow (cfs)	0	0	0
Putney Cr. Jct			
Regulated Flow (cfs)	959	4237	370
Unregulated Flow (cfs)	1254	9240	416
Cumulative Local Flow (cfs)	708	4107	221
Marsh Cr. Jct			
Regulated Flow (cfs)	336	875	150
Unregulated Flow (cfs)	633	6196	194
Cumulative Local Flow (cfs)	86	745	20
Millsburg Jct			
Regulated Flow (cfs)	501	5300	155
Unregulated Flow (cfs)	501	5300	155
Cumulative Local Flow (cfs)	501	5300	155
Mill Hill			
Regulated Flow (cfs)	703	2604	275
Unregulated Flow (cfs)	956	7837	320
Cumulative Local Flow (cfs)	450	2774	135
RR_Beech-MillH			
Regulated Flow (cfs)	654	2708	254
Unregulated Flow (cfs)	959	7815	309
Cumulative Local Flow (cfs)	411	2578	119
RR_Plane-Marsh			
Regulated Flow (cfs)	250	434	130

Figure F.18 Print Preview of Flow Summary Report

