

# RiverWare Plot Dialog Page Selection Panel

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This document describes an enhancement to the RiverWare 5.1 Plot Dialog to optionally show the list of Plot Pages defined in the loaded RiverWare model. Selecting a Plot Page in the displayed list loads that page into the Plot Dialog. The user can also step through the Plot Pages with arrow keys and toolbar buttons.

## 0.1 Document Status

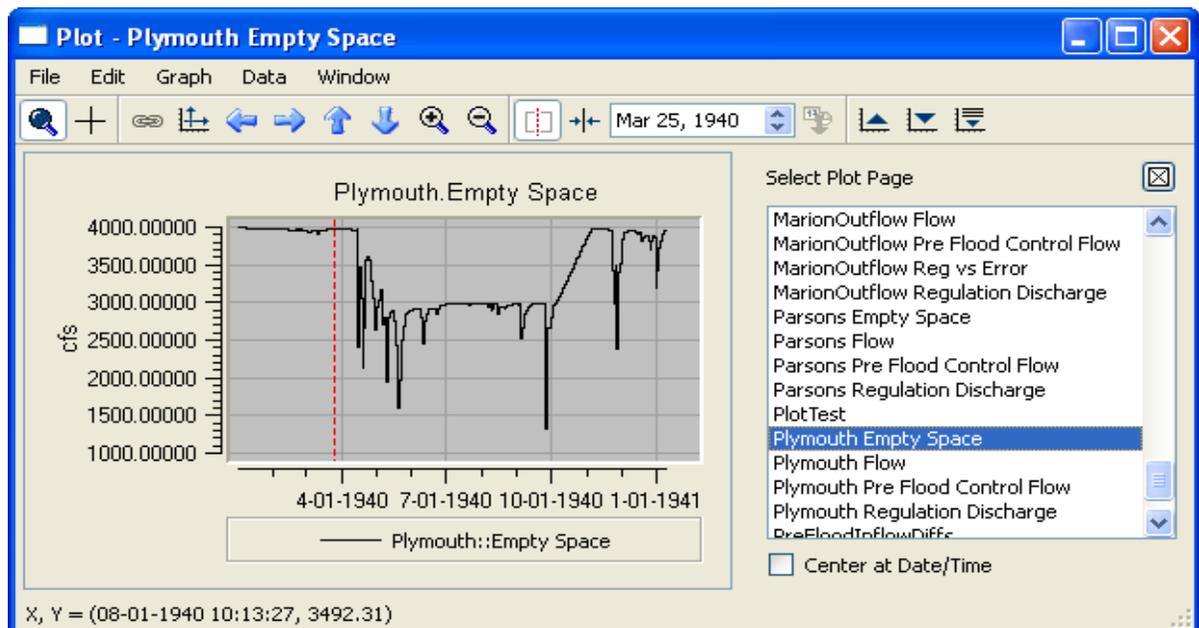
11-11-2008: Ready for review.

## 0.2 Contents

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## 1.0 Motivation

In the course of certain user tasks, the user needs to view multiple pre-configured Plot Pages (defined in the Output Manager or saved from the Plot Dialog). Instead of having multiple open Plot Dialogs, it would often be more convenient to switch between different pre-configured Plot Pages within a single Plot Dialog.



## 2.0 Prior Capabilities

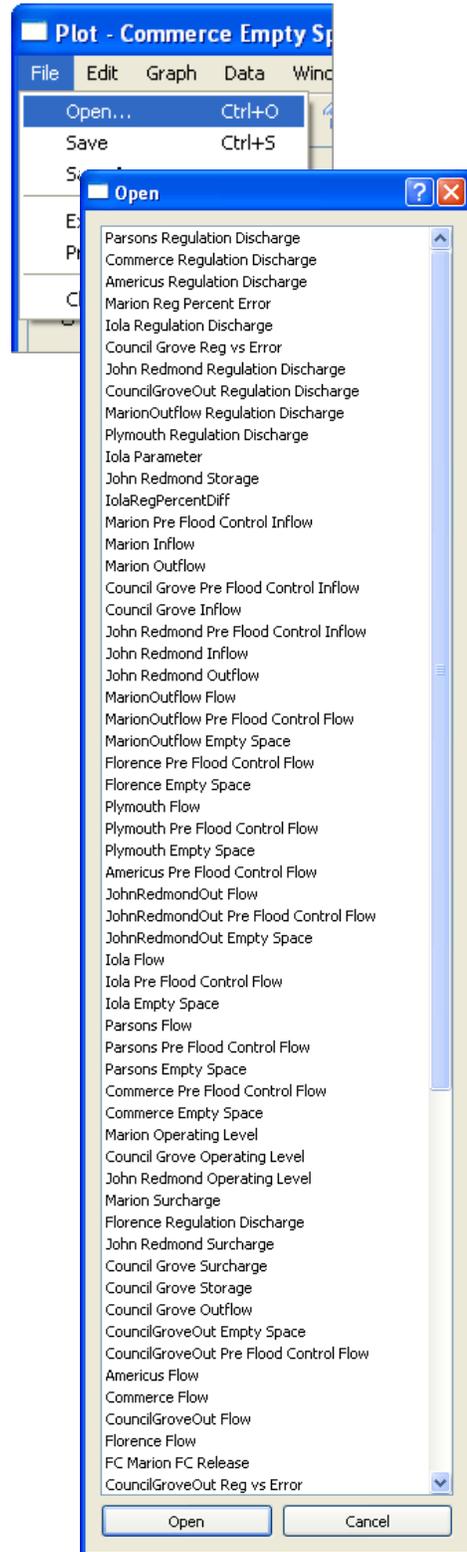
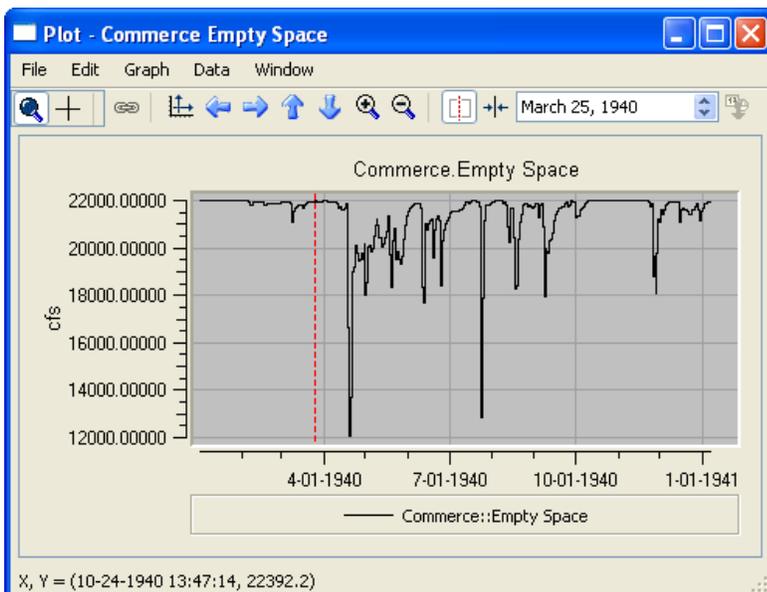
[RiverWare 5.0.x, October 2008]

### 2.1 Plot Dialog and Open (Plot Page) Dialog

The Plot Dialog shows plots for a single Plot Page (Output Device) - see image below. This has the capability of showing up to nine plot panels, arranged in a 3x3 grid.

The Plot dialog File Menu includes an “Open...” operation which presented an “Open” dialog box containing a list of all Plot Pages defined in the RiverWare model. Selecting an item (by double-clicking or clicking the “Open” button) loaded the clicked or highlighted Plot Page into the Plot Dialog, replacing the prior Plot Page.

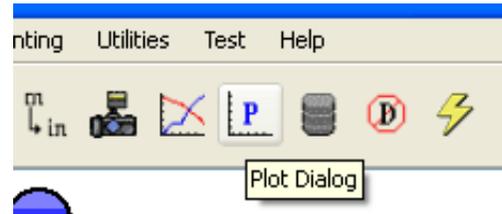
The order of the Plot Page items in the “Open” dialog was arbitrary, and could not be changed. No context (“right-click”) menus were supported in the Plot Page list.



### 3.0 Plot Dialog Plot Page Selection Panel

The RiverWare 5.1 Plot Dialog now supports an optionally shown list of Plot Pages currently defined within the loaded RiverWare model. Clicking on an item (the name of a Plot Page) loads the Plot Page into the Plot Dialog.

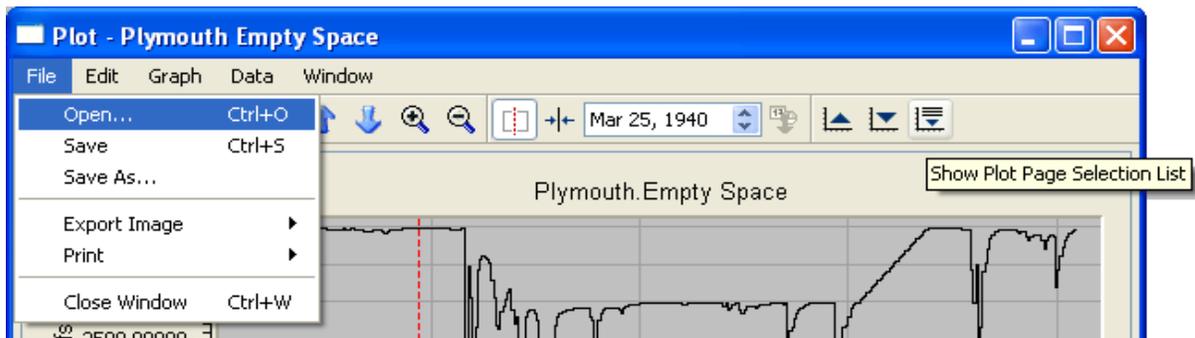
When showing a Plot Dialog with the RiverWare Workspace toolbar button (see the highlighted button with the blue “P” character), the Plot Page Selection Panel is initially shown. In all other methods of showing a Plot Dialog, the selection panel is initially hidden.



As before, multiple Plot Dialogs can be displayed, e.g. from the Workspace toolbar, Output Manager, or from various Slot-related dialog boxes.

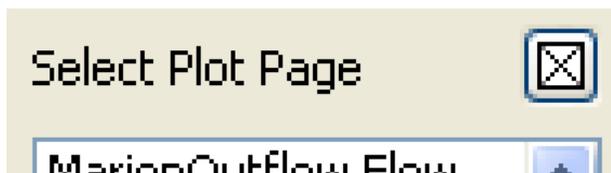
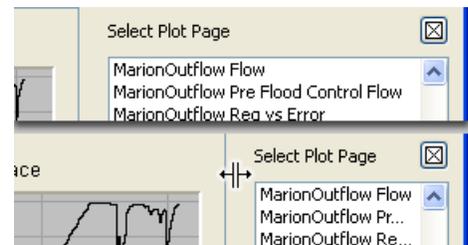
Within a Plot Dialog, the Plot Page Selection Panel can be shown in two ways:

1. Plot Dialog menu operation: **File >> Open...** (or accelerator key: **Ctrl-O**). This operation no longer shows the previously implemented “Open” dialog box described in section 2.
2. **Plot Dialog toolbar button** (“Show Plot Page Selection List”). This button also adjusts the size and layout of the Plot Dialog.



When shown, the Plot Page Selection Panel width is automatically adjusted to its optimal width. It can be manually adjusted to be narrower by dragging a “**Splitter**” handle between the Plot Panel and the Plot Page Selection Panel.

On Windows, the Splitter handle is invisible. The only indication of the Splitter is a change of the cursor when hovering near the Splitter region. *See image.*

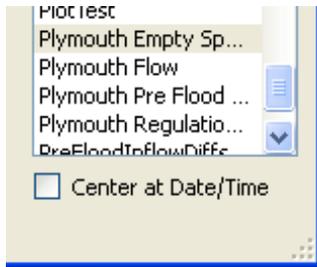
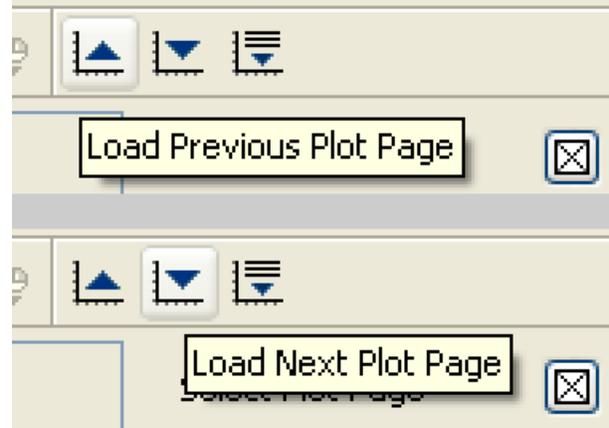


The Plot Page Selection Panel can be closed by clicking the “[X]” button on the top-right of the panel.

The user can step to the Previous or Next Plot Pages in the following ways:

1. By clicking the **Up or Down Arrow Keys** (when keyboard input “focus” is within the list).
2. By clicking the **“Load Previous Plot Page”** or **“Load Next Plot Page”** Toolbar Icon buttons.

These buttons function whether or not the Plot Page Selection Panel is shown. Holding down the Shift Key when clicking these buttons causes the First or Last Plot Page items to be selected.



If the **“[X] Center at Date/Time”** checkbox is checked, then each time the user selects a Plot Page item from the list, a horizontal centering operation is performed after loading the Plot Page (for Plots which show time along the horizontal dimension).

[Users may prefer to not use this option -- it causes some flicker. Plot Pages saved with a zoomed scale will be reloaded with that scale, so the additional centering operation may often be unnecessary].

The Plot Page Selection Panel list supports a context menu with the following operations:

- **“Show Plot Page Slots in SCT...”** creates a new SCT with all of the Slots represented in the selected Plot Page.
- **Slot menu items** ... one for each of the Slots represented in the selected Plot Page. These show the “Open Slot” dialog for the selected Slot.

For both of these types of operations, the new SCT or Open Slot dialog is scrolled to the Plot Dialog’s current Date/Time.

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