Model Guide Boxes

**Box 1. Facilitation Steps**

**Setup**

1. Download the file [**PilotFlexAccounting-CombinedPowellMead.xlsx**](https://github.com/dzeke/ColoradoRiverCoding/raw/main/ModelMusings/PilotFlexAccounting-CombinedPowellMead.xlsx) to your computer.
2. Move the Excel file to your Google Drive. Open as a Google Sheet.
3. Open the **Versions** Worksheet to see updates.
4. Duplicate the **Master** Worksheet to save a blank version for later use.
5. Invite 1 or more other people to join the Google Sheet.
   1. In the upper right of the Google Sheet, click the **Share** button.
   2. Add emails, and set permissions so players can access the Google Sheet. Or copy and share the sheet's URL.

**Play**

1. On the **Master** Worksheet, scroll down Column A. Participants enter values in row blocks with **Blue Text**.
   1. For example, in Rows 4-10, participants select a **Party** and enter a **Strategy**. If fewer than 6 participants, participants select multiple parties.
   2. Enter the Lake Powell natural flow for Year 1 in **Cell C28**. Cells below will populate.
   3. Participants continue to enter values in Year 1 (Column C) down to Row 142 in row blocks with **Blue Text**.
   4. Move to Year 2 (Column D). Enter Lake Powell natural flow in **Cell D28**.
2. Find linked help for each row in **Column N**.
3. View the **Master-Plots** worksheet to compare entries to current operations (Law of River).
4. See **ReadMe-Directions** Worksheet for these directions and descriptions of all worksheets in the Workbook.

**Box 2. Impacts to assign 65% of 13.8 maf combined storage to Lake Powell.**

|  |  |
| --- | --- |
| There is 13.8 maf of combined storage. The parties assigned 65% of the storage to Lake Powell. This leaves 9.0 maf in Lake Powell and 4.8 in Lake Mead. Both Powell and Mead are above their minimum power pool elevations of 3,490 and 955 feet.  Lake Powell releases 2.8 maf to Lake Mead this year to achieve the specified storage volumes. The release water temperature is < 18oC which may benefit the native, endangered fish of the |  |

Grand Canyon or they may face invasion from non-natives.

A release water temperature will help tailwater trout (introduced) grow and incubate. Lake Powell will need to receive 85% of combined storage to raise the storage to 11.8 maf, cool release temperatures, and increase the relative abundance of native, endangered fish.