

## Operations - Tab

### Load Data

The **Load Data**, imports the raw data from the Taylor Park Reservoir Proposed Operation page. **Load Data** is the first step to using the program.

1. Open the Taylor River PDF that the government provided, it should open in a browser.
2. Navigate to the Proposed Operations page, lately the information is on page 4.
3. Using the mouse, select the data starting with the Proposed Operations and finishing with the Maximum Content and then select the CTRL+C keys to copy the data.

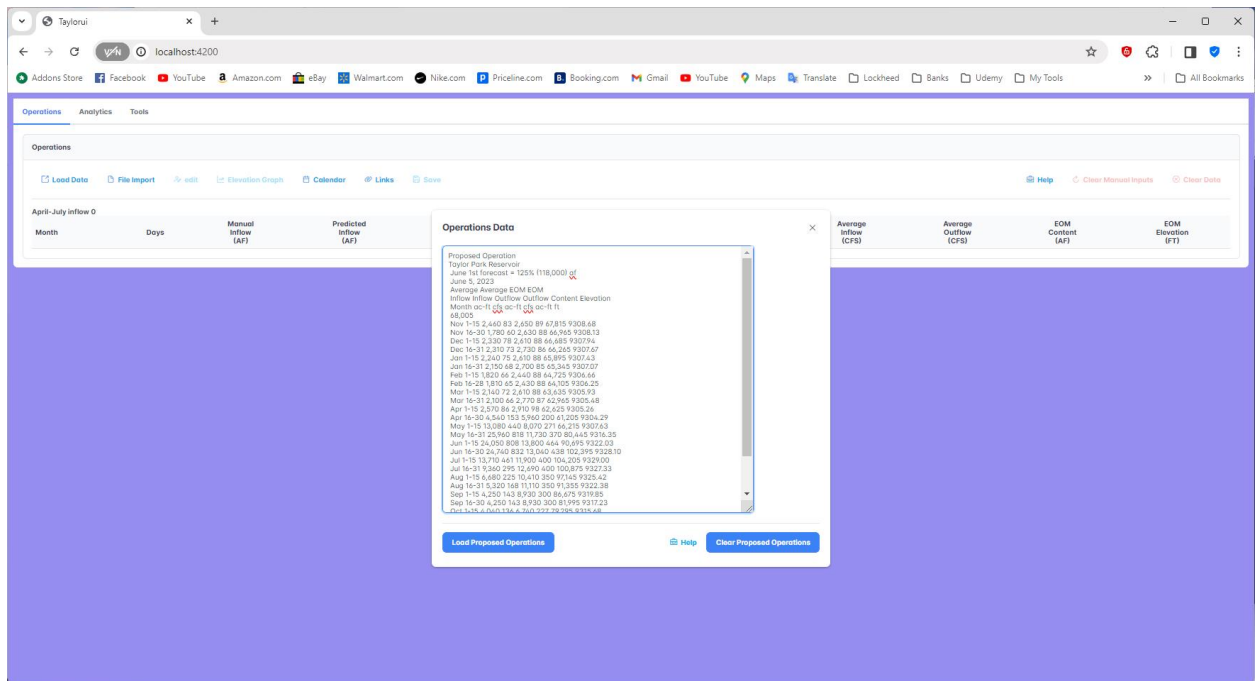
Proposed Operation  
Taylor Park Reservoir  
July forecast = 117% (110,000) at  
July 9, 2024

Month	Inflow ac-ft	Inflow cfs	Outflow ac-ft	Outflow cfs	EOM Content ac-ft	EOM Elevation ft
					76,500	
Nov 1-15	2,720	91	3,070	103	76,150	9313.83
Nov 16-30	2,360	79	3,060	103	75,450	9313.41
Dec 1-15	2,460	83	3,040	102	74,870	9313.07
Dec 16-31	2,290	72	3,240	102	73,920	9312.49
Jan 1-15	2,270	76	3,030	102	73,160	9312.03
Jan 16-31	2,290	72	3,230	102	72,220	9311.45
Feb 1-15	2,070	75	2,880	104	71,410	9310.95
Feb 16-28	2,080	75	2,880	104	70,610	9310.45
Mar 1-15	2,220	75	3,070	103	69,760	9309.92
Mar 16-31	2,290	72	3,270	103	68,780	9309.30
Apr 1-15	3,060	103	3,060	103	68,780	9309.30
Apr 16-30	7,290	245	3,080	104	72,990	9311.92
May 1-15	6,670	224	5,290	178	74,370	9312.76
May 16-31	12,690	400	7,960	251	79,100	9315.57
Jun 1-15	32,040	1077	16,400	551	94,740	9324.17
Jun 16-30	24,490	823	17,520	589	101,710	9327.75
Jul 1-15	12,230	411	13,760	462	100,180	9326.98
Jul 16-31	8,370	264	12,770	402	95,780	9324.72
Aug 1-15	6,270	211	10,510	353	91,540	9322.48
Aug 16-31	4,520	142	11,110	350	84,950	9318.90
Sep 1-15	4,200	141	10,410	350	78,740	9315.36
Sep 16-30	3,380	114	9,020	303	73,100	9311.99
Oct 1-15	3,570	120	6,500	218	70,170	9310.18
Oct 16-31	3,990	126	2,700	85	71,460	9310.98

106,840 = April-July inflow  
114% of normal  
102,529 = Maximum Content

preliminary

4. Select the **Load Data** menu and the Operations Dialog will open.
5. Click inside the input area and then using the keys CTRL+A to paste the data.



- Once the data is copied select the Load Proposed Operations button and the data will be loaded into the program.

TaylorUI

localhost:4200

Addons StoreFacebookYouTubeAmazon.comeBayWalmart.comNike.comPriceline.comBooking.comGmailYouTubeMapsTranslateLockheedBanksUdemyMy Tools

OperationsAnalyticsTools

Operations

Load DataFile ImporteditElevation GraphCalendarLinksSave

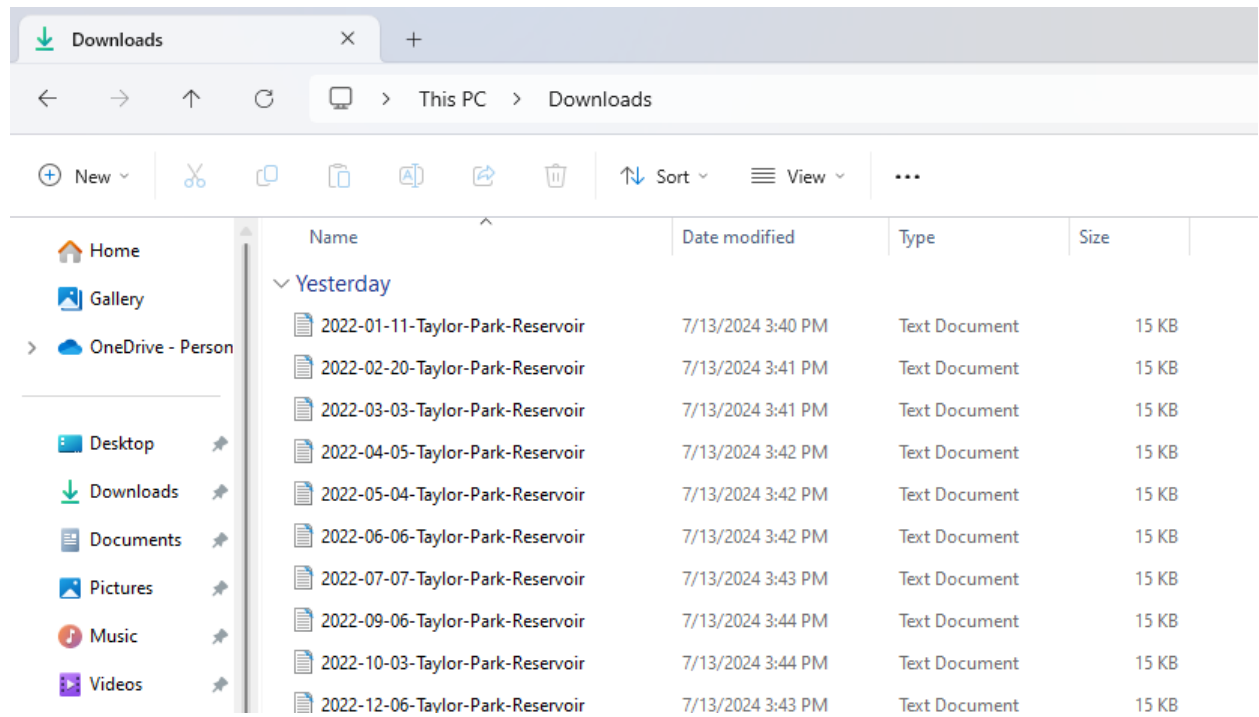
HelpClear Manual InputsClear Date

EOM Content 68005 elevation 9308.80 April-July inflow

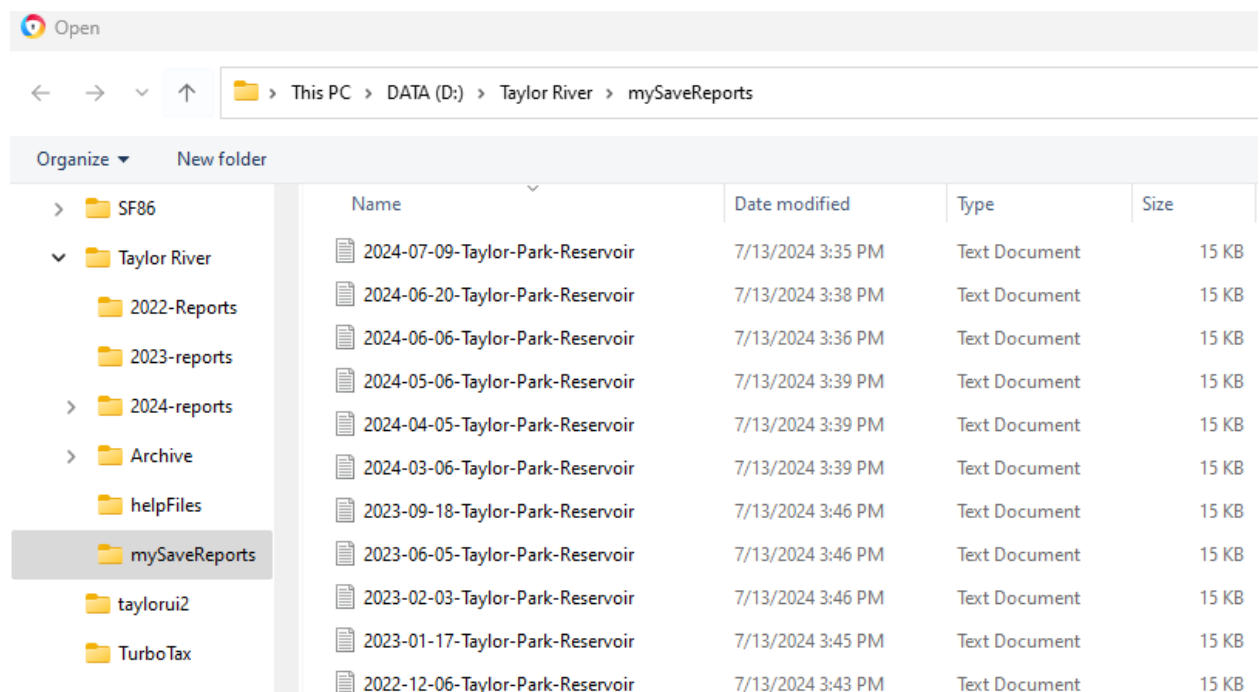
Months	Days	Manual Inflow (AF)	Predicted Inflow (AF)	Inflow (CF)	Manual Outflow (AF)	Outflow (AF)	Outflow (CF)	Average Inflow (CFS)	Average Outflow (CFS)	EOM Content (AF)	EOM Elevation (FT)
Nov 1-15	15	2440	107157600	2650		115434000	82.68	89.07	6785.00	9308.68	9308.68
Nov 16-30	15	1780	77536800	2630		114562800	59.83	88.40	66905.00	9308.13	9308.13
Dec 1-15	15	2330	101648000	2610		113691600	78.31	87.72	66685.00	9307.94	9307.94
Dec 16-31	16	2310	100623600	2730		118918800	72.79	86.02	66265.00	9307.67	9307.67
Jan 1-15	15	2240	97574400	2610		113691600	75.29	87.72	65895.00	9307.43	9307.43
Jan 16-31	16	2150	93654000	2700		117612000	67.75	85.08	65345.00	9307.07	9307.07
Feb 1-15	15	1820	79279200	2440		106286400	61.17	82.01	64725.00	9306.66	9306.66
Feb 16-28	13	1810	78843600	2430		105808000	70.20	84.24	64705.00	9306.25	9306.25
Mar 1-15	15	2160	93218400	2610		113691600	71.93	87.72	63635.00	9305.93	9305.93
Mar 16-31	16	2100	91476000	2770		120661200	66.17	87.28	62965.00	9305.48	9305.48
Apr 1-15	15	2570	111964200	2910		126759600	86.38	97.81	62625.00	9305.26	9305.26
Apr 16-30	15	4540	197762400	5960		259617600	152.59	200.32	61205.00	9304.29	9304.29
May 1-15	15	13080	569764800	8070		351529200	439.63	271.24	66275.00	9307.63	9307.63
May 16-31	16	29960	1130817600	11730		510958800	818.01	369.62	80445.00	9316.35	9316.35
Jun 1-15	15	24050	1047618000	13800		601128000	808.35	463.83	90645.00	9322.03	9322.03
Jun 16-30	15	24740	1077674400	13040		568022400	831.54	438.29	102395.00	9328.10	9328.10
Jul 1-15	15	13710	597207600	11900		518364000	440.81	399.97	104205.00	9329.00	9329.00
Jul 16-31	16	9360	407721600	12690		552776400	294.94	399.87	100875.00	9327.33	9327.33
Aug 1-15	15	6680	290980800	10410		453459600	224.52	349.89	97145.00	9325.42	9325.42
Aug 16-31	16	5320	231739200	11110		483951600	167.64	350.08	91355.00	9322.38	9322.38
Sep 1-15	15	4250	185130000	8930		388990800	142.85	300.15	86675.00	9319.85	9319.85
Sep 16-30	15	4250	185130000	8930		388990800	142.85	300.15	81995.00	9317.23	9317.23
Oct 1-15	15	4040	175982400	6740		293594400	135.79	226.54	79295.00	9315.68	9315.68
Oct 16-31	16	3960	172497600	5850		254826000	124.78	184.34	77605.00	9314.58	9314.58

- If this is the first time the report data has been loaded, save the report data by selecting the Save menu option. The name of the file will automatically be generated using the information from the report. The name can be changed, but it is best to use the default name for consistency. The saved data will be the based on the true data from the report, later the data can be changed and saved using a different name. The report will be saved to the Download folder. Once the

files are saved, the saved files will be used to load the data. There is no need to Cut and Paste the PDF Files. See the **Edit** menu to save edited reports. **Note: It is best to save the reports in a folder that is dedicated to only the saved reports.**



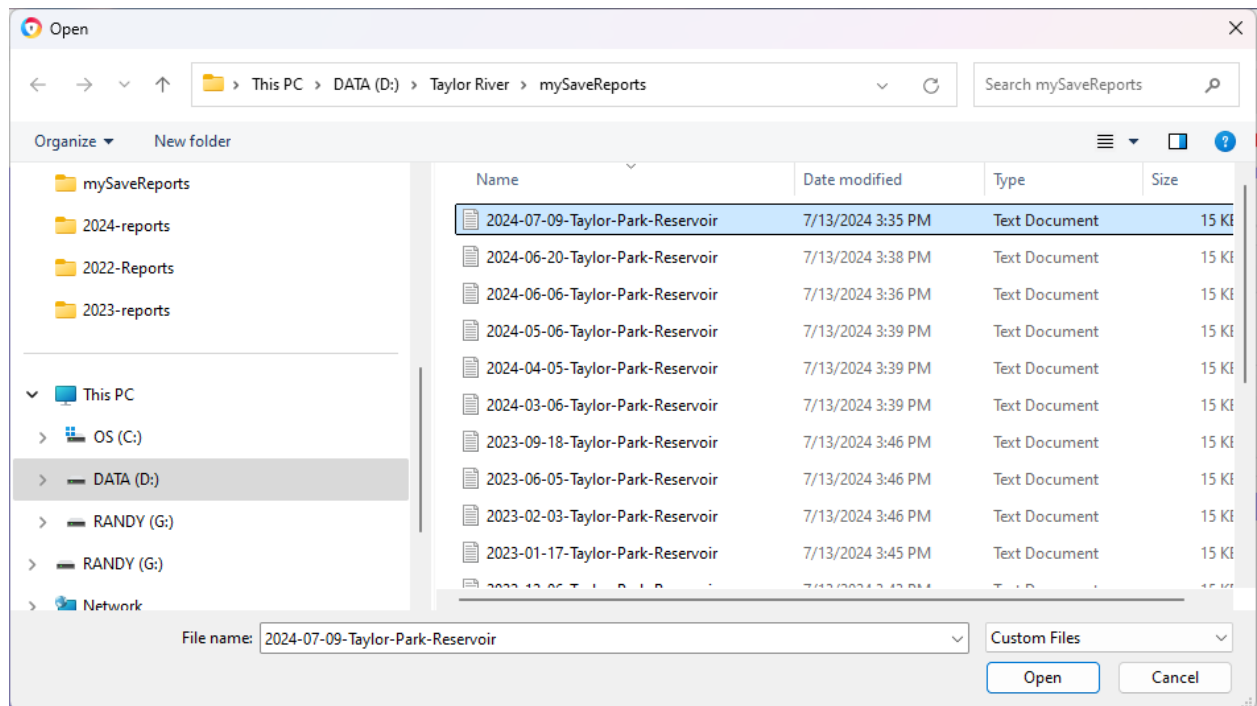
- The saved files can be copied to a more meaning folder. The saved reports are used with the **File Import and Analytics Menus**.



## File Import

Once the initial report has been saved using the **Load Data**, the data can be viewed by loading the saved file. The saved report contains all the programmatically generated data needed to display the data and run analytics.

1. Click on the **File Import** menu button and the Import Saved Report Dialog is opened.
2. Click on the Upload Saved Report Button and a File Folder is opened.
3. Navigate to the folder location that the files were saved, for example ThisPC > Data (D:) > Taylor River > mySaveReports.
  - a. Note: Once you select the folder, the folder will be remembered the next time the **File Import** menu option is used.
  - b. After navigating to the report folder, there will be a listing of the saved reports.
4. Using the Mouse select one report to be loaded.



5. Select the Open Button and the report will be loaded.

## Edit

The **Edit** menu option allows one to edit the Manual inflows and outflows.

The Edit options include changing Manual Inflows (AF) and Manual Outflows (AF) line by line. Once a Manual field is changed, the field background color will change to purple, a visual indicator that a field has been changed.

Since the inflows is based on nature and history, the inflows can only be changed by changing each individual line. The outflows can be changed using percentages.

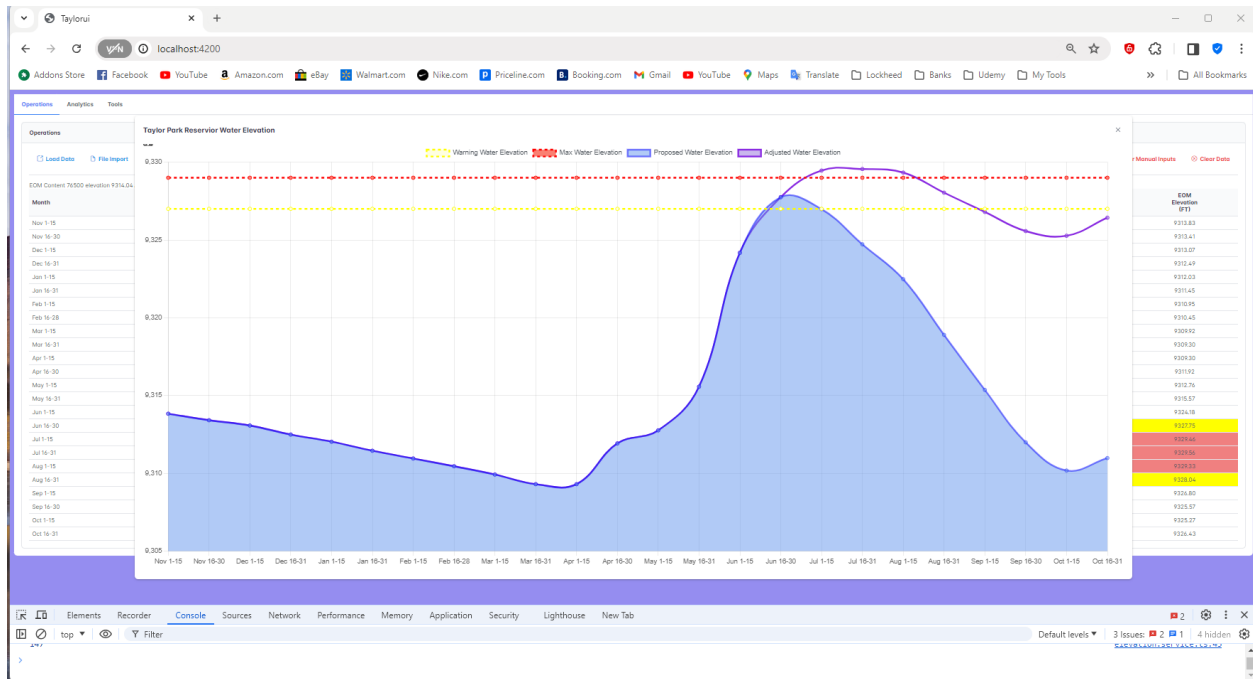
Edit options include a percentage **Decrease %** or **Increase %**. **Decrease %** will the outflow and **Increase %** will increase the outflow. The percentage value can be typed into the percentage data field or the percentage can be changed by sliding the slider. When changing the data using the percentage, the data will only change based on the date of the report, prior months will not be changed. If the **Override** checkbox is checked, then the prior months will be changed (all months will be changed).

Selecting the **Clear Manual Inputs** (on the top right) menu option will clear the current manual inputs.

Selecting the **Incorporate Changes** Button (on the bottom left) will save the data to the main page. At that point the changed data can be saved to a file.

Select the Cancel Button (on the bottom right) will clear the manual inputs and close the Edit dialog display.

**Elevation Graph** menu option will graph the data. If the data contains edited data, the edited data will be displayed in purple.



The **Calendar** menu Option displays a Calendar

The **Links** Menu Option displays favorable links.

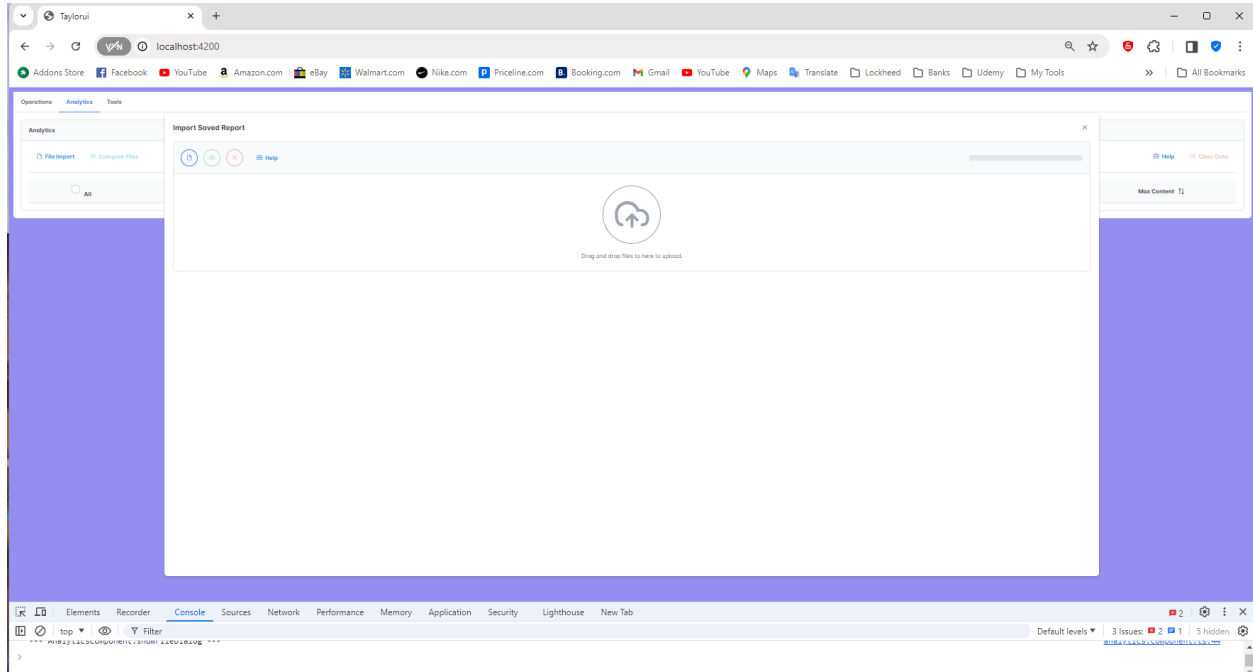
The **Save** Menu option saves the current data to the Download Folder.

## Analytics Tab

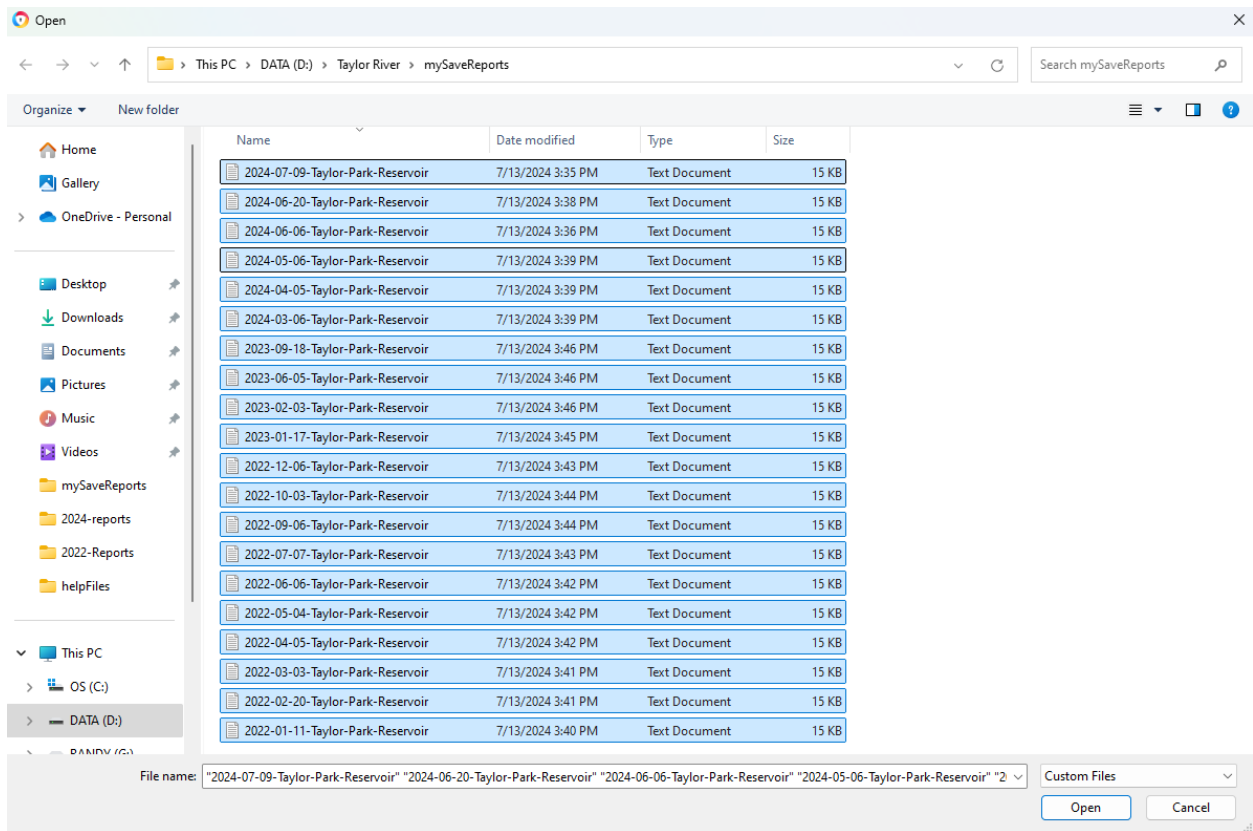
The analytics Tab allows reports to be compared. This page is still under construction and open for ideas. The main function of loading the data of multiple files is in place and being tested.

## File Import

Select the **File Import** menu option and the **Import Saved Reports** Dialog is displayed.

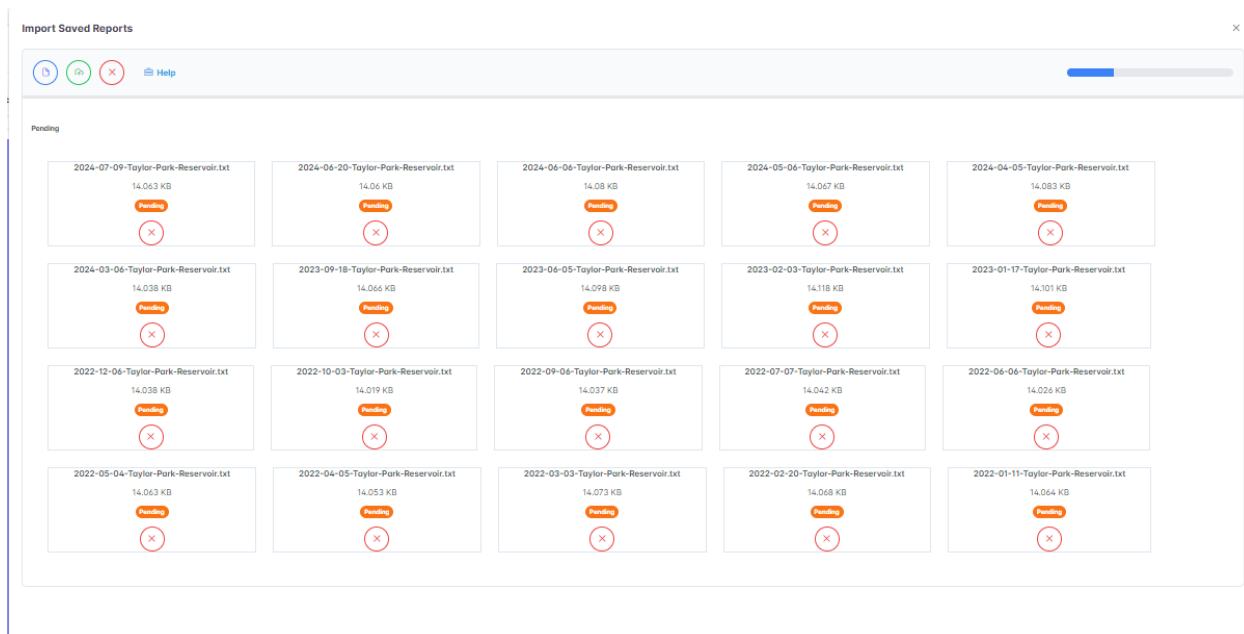


The First Icon, a blue file with a circle around it starts the file import process. Select the Blue File icon and the file import tool is launched. Multiple files can be loaded at one time. Select the CTRL+A buttons will select all the files.



After selecting the files, select the Open button and the files will be loaded to the next stage.





Any unwanted files can be removed at this time by selecting the red X with a circle around it.

Select the green file upload icon to load the files. The reports are loaded onto the analytics page.

	Report Date	Year Type	Starting EOM	Percent %	Percent AC-PT	April-July inflow	of Normal	Max Content
<input type="checkbox"/>	2022-01-11	Any Year	58892	102%	98000	98120	99%	92950
<input type="checkbox"/>	2022-02-20	Any Year	58892	99%	93000	93000	99%	95332
<input type="checkbox"/>	2022-03-03	Any Year	58892	102%	96000	96000	102%	94775
<input type="checkbox"/>	2022-04-05	Any Year	58892	102%	96000	96000	102%	97289
<input type="checkbox"/>	2022-05-04	Any Year	58892	96%	90000	89880	96%	92929
<input type="checkbox"/>	2022-06-04	Any Year	58892	85%	80000	80510	86%	84853
<input type="checkbox"/>	2022-07-07	Any Year	58892	78%	73000	73010	78%	81374
<input type="checkbox"/>	2022-09-04	Any Year	58892	77%	73000	71890	76%	80923
<input type="checkbox"/>	2022-10-03	Any Year	58892	77%	73000	71890	76%	80923
<input type="checkbox"/>	2022-12-04	Any Year	58892	77%	73000	71890	76%	80923
<input type="checkbox"/>	2023-01-17	Any Year	68005	103%	97000	96990	103%	97340
<input type="checkbox"/>	2023-02-03	Any Year	68005	105%	99000	105000	112%	103330
<input type="checkbox"/>	2023-04-05	Wet Year	68005	125%	118000	118010	126%	104456
<input type="checkbox"/>	2023-09-18	Wet Year	68005	126%	118000	118050	126%	102509
<input type="checkbox"/>	2024-03-04	Any Year	76500	97%	91000	91000	97%	101364
<input type="checkbox"/>	2024-04-05	Any Year	76500	103%	97000	97030	103%	103961
<input type="checkbox"/>	2024-05-04	Any Year	76500	100%	94000	93710	100%	107427
<input type="checkbox"/>	2024-06-04	Any Year	76500	113%	106000	106700	114%	104452
<input type="checkbox"/>	2024-06-20	Any Year	76500	113%	106000	106710	114%	102488
<input type="checkbox"/>	2024-07-09	Any Year	76500	117%	110000	106840	114%	102529

To compare files, at least two reports need to be selected. Select the reports by select the checkbox icon on the left of the row. Select the All checkbox at the top to select all the reports.

Report Date	Year Type	Starting ECM	Forecast %	Forecast AC-FT	April-July Inflow	of Normal	Max Content
2022-01-11	Aug Year	58892	102%	98000	98120	99%	92920
2022-02-20	Aug Year	58892	99%	93000	93000	99%	95332
2022-03-03	Aug Year	58892	102%	96000	96000	102%	94975
2022-04-05	Aug Year	58892	102%	96000	96000	102%	97289
2022-05-04	Aug Year	58892	96%	90000	89880	96%	92929
2022-06-06	Aug Year	58892	85%	80000	80510	86%	86853
2022-07-07	Aug Year	58892	78%	73000	73010	78%	81214
2022-09-06	Aug Year	58892	77%	72000	71890	76%	80923
2022-10-03	Aug Year	58892	77%	72000	71890	76%	80923
2022-12-06	Aug Year	58892	77%	72000	71890	76%	80923
2023-01-17	Aug Year	68005	103%	97000	96990	103%	97240
2023-02-03	Aug Year	68005	103%	99000	109000	110%	103230
2023-06-05	Wet Year	68005	125%	118000	118010	126%	104656
2023-09-18	Wet Year	68005	126%	118000	118020	126%	103509
2024-03-06	Aug Year	76500	97%	91000	91000	97%	101364
2024-04-05	Aug Year	76500	103%	97000	97030	103%	103161
2024-05-06	Aug Year	76500	100%	94000	93710	100%	101627
2024-06-06	Aug Year	76500	113%	106000	106700	114%	104652
2024-06-20	Aug Year	76500	113%	106000	108710	114%	103488
2024-07-09	Aug Year	76500	117%	110000	108840	114%	102529

Once the reports have been selected, select the **Compare Files** menu option.

Date	Forecast	Forecast %	Forecast AC-FT	April-July Inflow	of Normal	Max Content
2022-01-11	Forecast - 102% - 98000 of	102%	98000	98120	99%	92920
2022-02-20	Forecast - 99% - 93000 of	99%	93000	93000	99%	95332
2022-03-03	Forecast - 102% - 96000 of	102%	96000	96000	102%	94975
2022-04-05	Forecast - 102% - 96000 of	102%	96000	96000	102%	97289
2022-05-04	Forecast - 96% - 90000 of	96%	90000	89880	96%	92929
2022-06-06	Forecast - 85% - 80000 of	85%	80000	80510	86%	86853
2022-07-07	Forecast - 78% - 73000 of	78%	73000	73010	78%	81214
2022-09-06	Forecast - 77% - 72000 of	77%	72000	71890	76%	80923
2022-10-03	Forecast - 77% - 72000 of	77%	72000	71890	76%	80923
2022-12-06	Forecast - 77% - 72000 of	77%	72000	71890	76%	80923
2023-01-17	Forecast - 103% - 97000 of	103%	97000	96990	103%	97240
2023-02-03	Forecast - 105% - 99000 of	105%	99000	105000	112%	103230
2023-06-05	Forecast - 125% - 118000 of	125%	118000	118010	126%	104656
2023-09-18	Forecast - 126% - 118000 of	126%	118000	118020	126%	103509
2024-03-06	Forecast - 97% - 91000 of	97%	91000	91000	97%	101364
2024-04-05	Forecast - 103% - 97000 of	103%	97000	97030	103%	103161
2024-05-06	Forecast - 100% - 94000 of	100%	94000	93710	100%	101627
2024-06-06	Forecast - 113% - 106000 of	113%	106000	106700	114%	104652
2024-06-20	Forecast - 113% - 106000 of	113%	106000	108710	114%	103488
2024-07-09	Forecast - 117% - 110000 of	117%	110000	108840	114%	102529

The analytics are endless, this is all that has been completed at this time.

## **Tools Tab**

The purpose of the tools tab is to add tools that quickly calculate values etc. So far, the tool listed are:

- Acre Feet to Elevation (only allows for the max AF of Taylor Reservoir)
- Acre Feet to Cubic Feet (rounding errors with very large numbers)
- Cubic Feet to Acre Feet (rounding errors with very large numbers)