



City of Columbia Power BI User's Guide

Upon launching Power BI, the user will be greeted with this screen:

Initial Screen View:

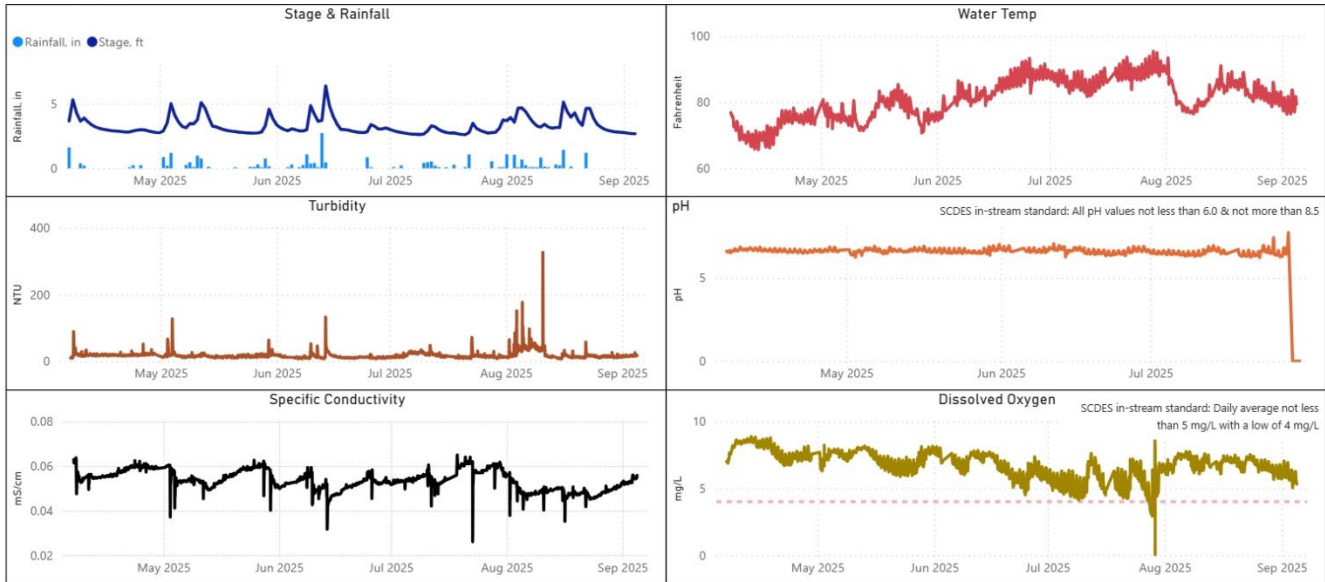
Continuous Water Quality Monitoring Periodic Report

Gills Creek B

Date

4/7/2025

9/4/2025



To Change The Date Range Of The Monitoring Periodic Report

Continuous Water Quality Monitoring Periodic Report

Gills Creek B

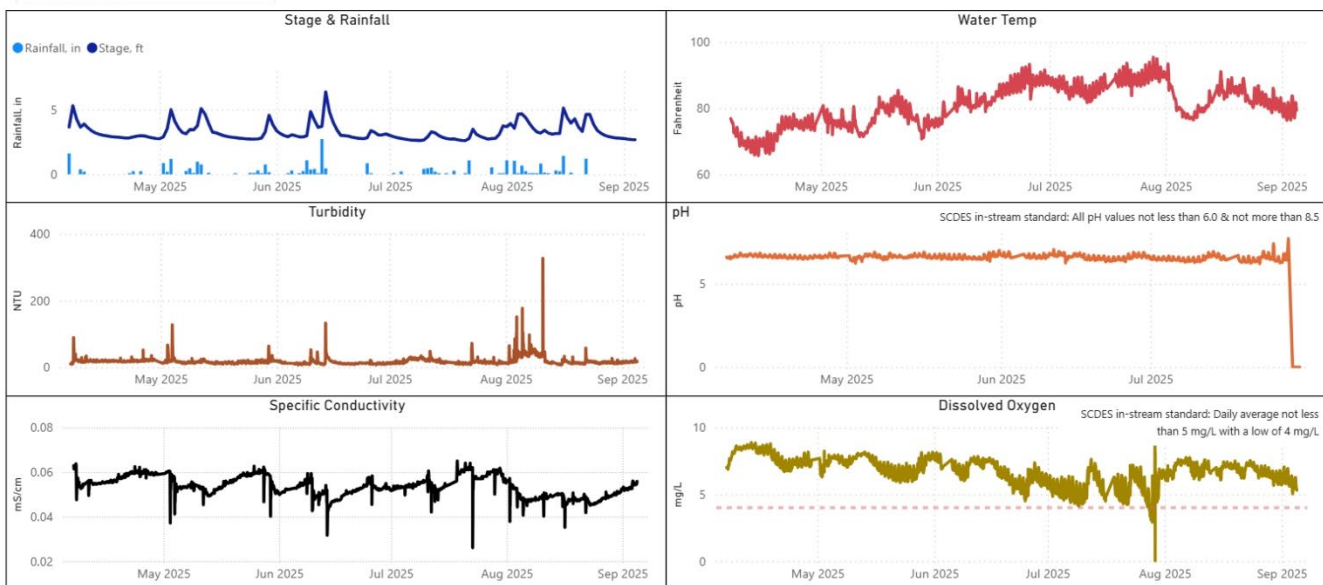
Date

4/7/2025

9/4/2025

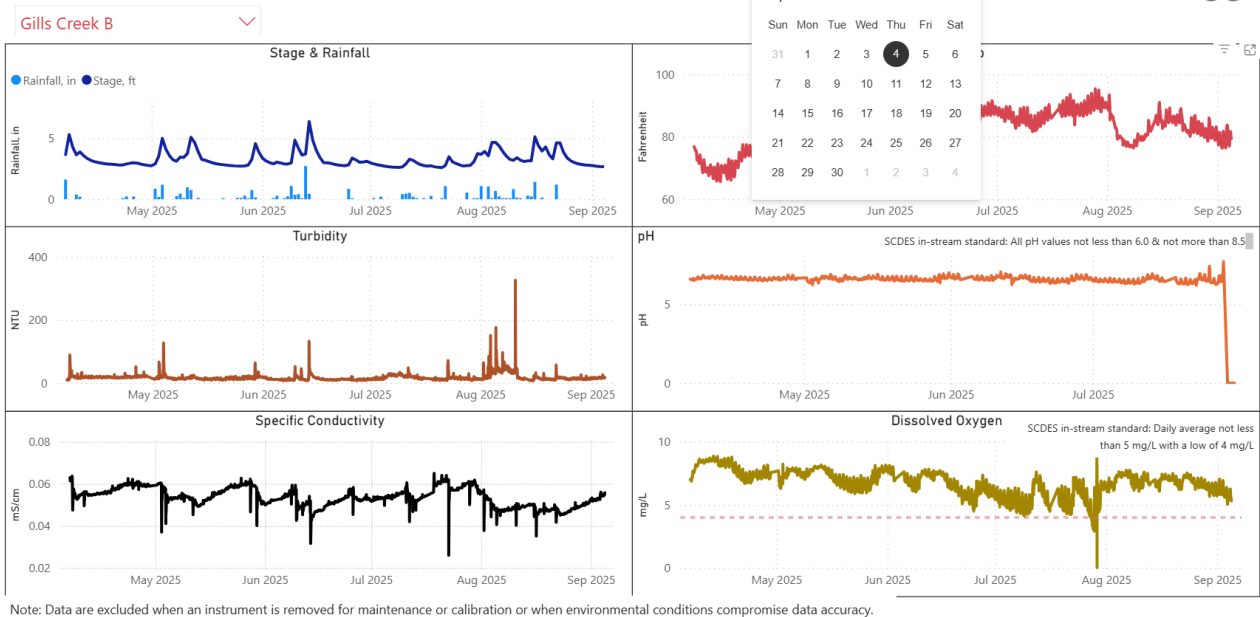


Click on this icon to change the date range



Upon clicking the icon, you will then be able to select any date of your preference, repeat this process for the start date on the left as well.

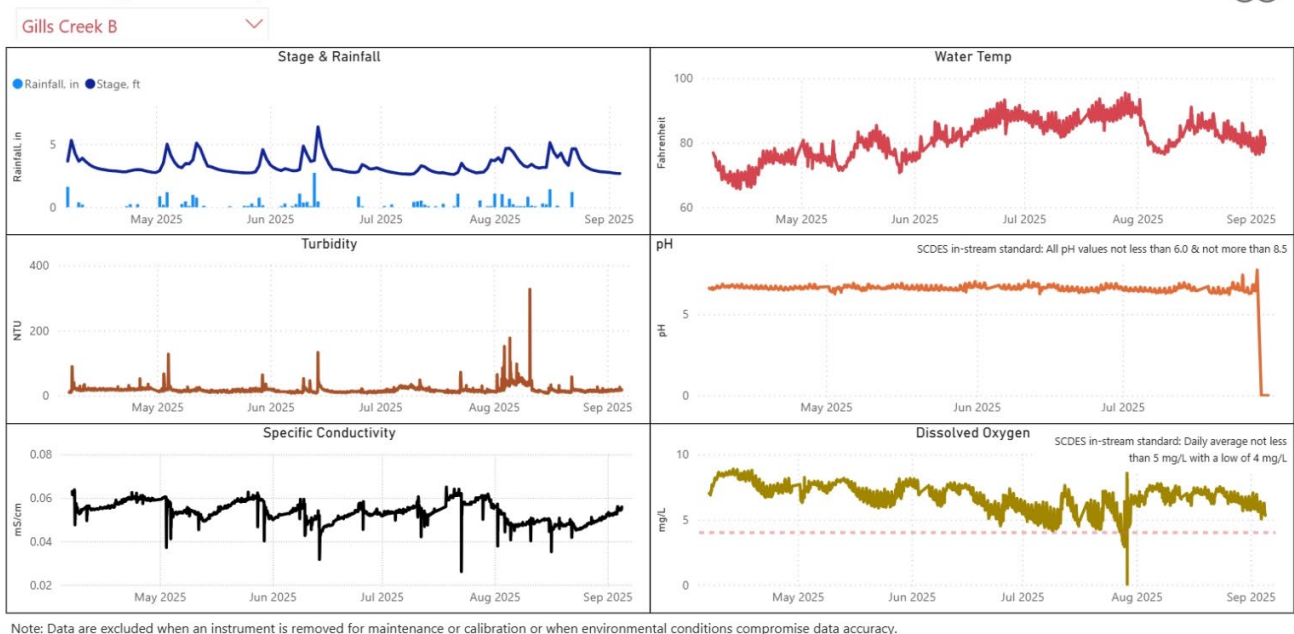
Continuous Water Quality Monitoring Periodic Report



Alternative Process To Change Date:

Another way to change the date can be done using the slider option below calendar date view, the slider can be adjusted for a quick date change to provide a larger or smaller view of the data.

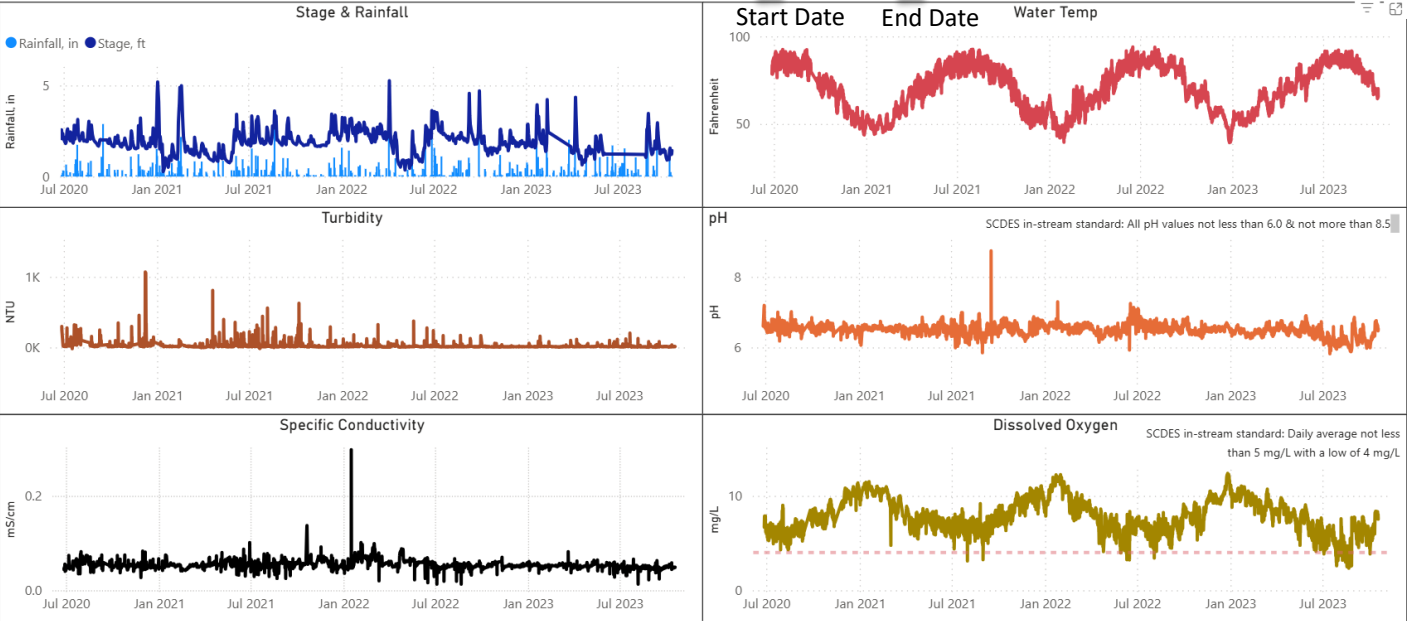
Continuous Water Quality Monitoring Periodic Report



After selecting and dragging the slider the date in the calendar view will change and two circles will appear with the left reflecting the start date and the right reflecting the end date of the selected data range.

Continuous Water Quality Monitoring Periodic Report

Gills Creek B



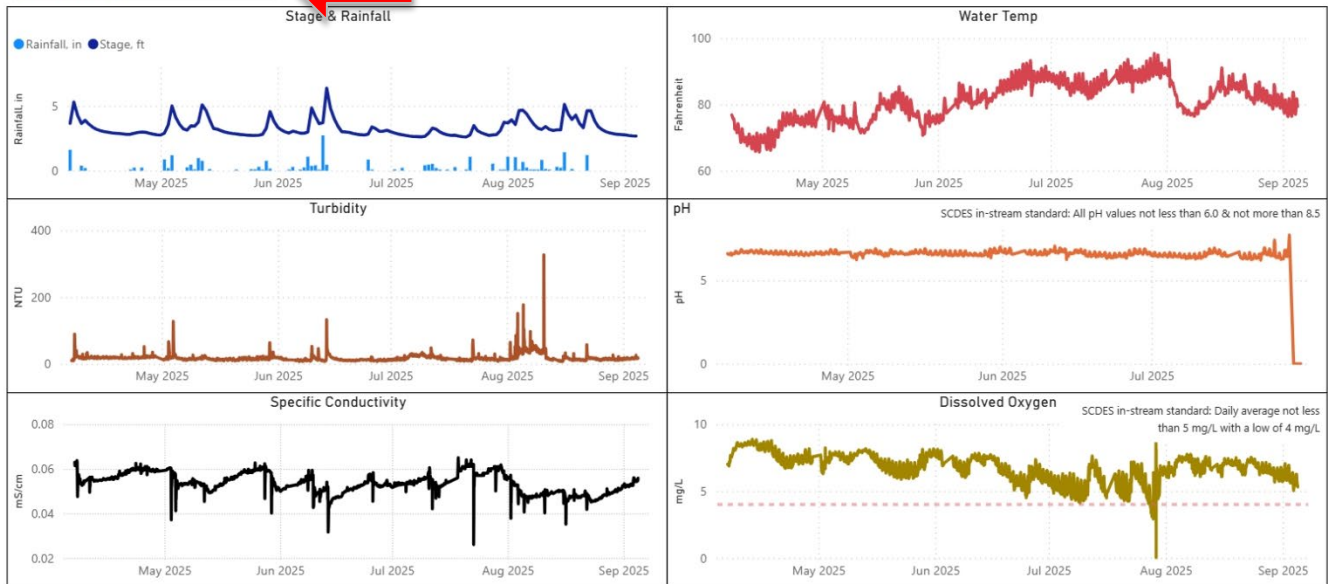
Note: Data are excluded when an instrument is removed for maintenance or calibration or when environmental conditions compromise data accuracy.

To Change The Selected Monitoring Station:

Select the arrow pointing down beside the name of the monitoring station, a list will then appear where you are able to scroll and select the preferred monitoring station data view.

Continuous Water Quality Monitoring Periodic Report

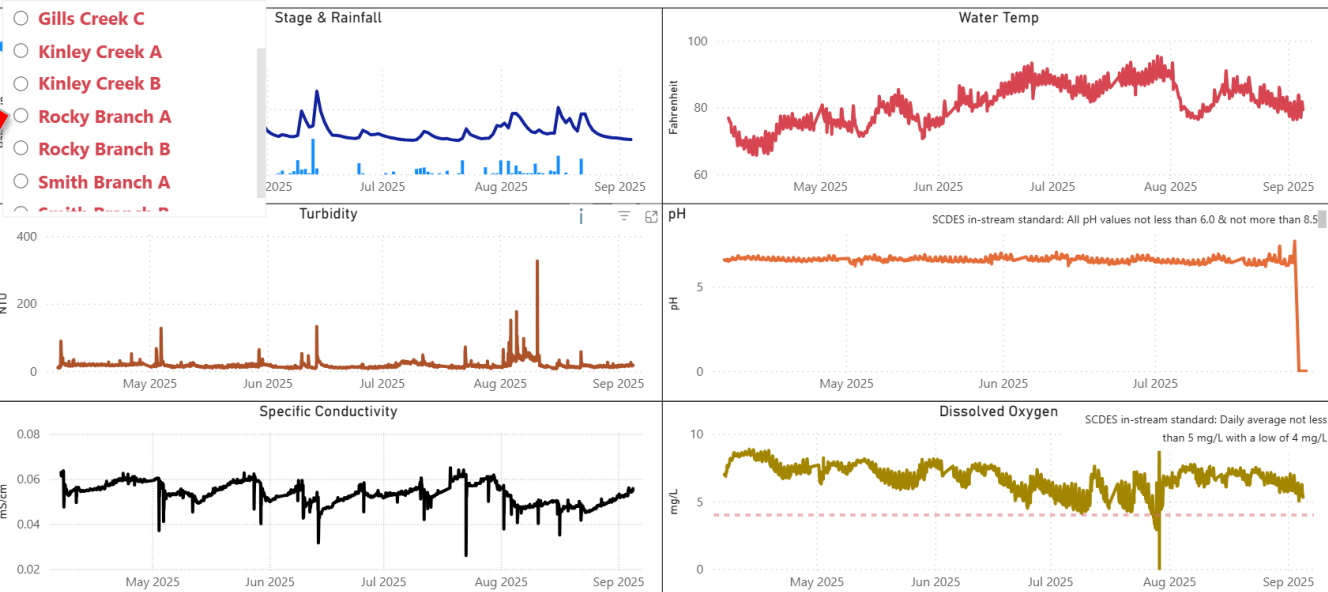
Gills Creek B



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Continuous Water Quality Monitoring Periodic Report

Gills Creek B



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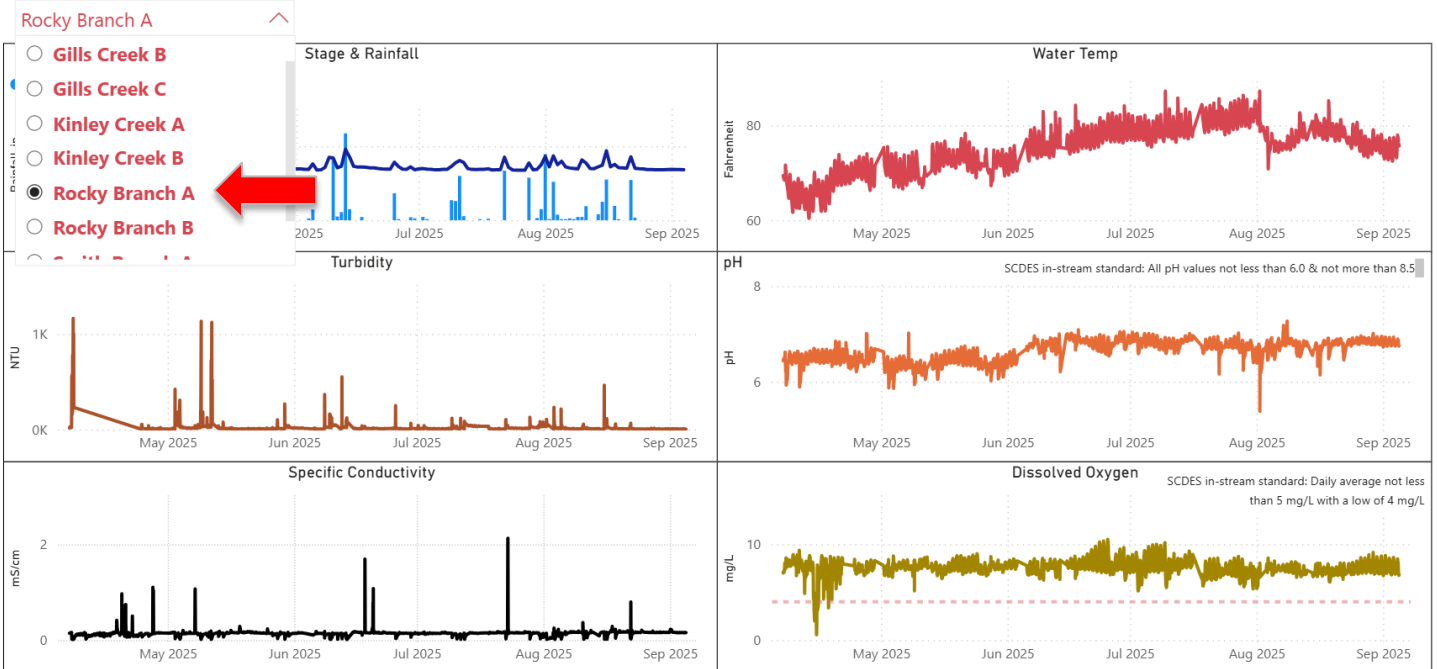
In this example Rocky Branch A has been selected, the graphs and charts will now update to reflect the data from the selected monitoring station. If the date range has previously been changed and a different station has been selected the date range will not change and the graphs and charts will update to show the selected station.

Continuous Water Quality Monitoring Periodic Report

Date

4/7/2025

9/4/2025



Note: Data are excluded when an instrument is removed for maintenance or calibration or when environmental conditions compromise data accuracy.

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Microsoft Power BI

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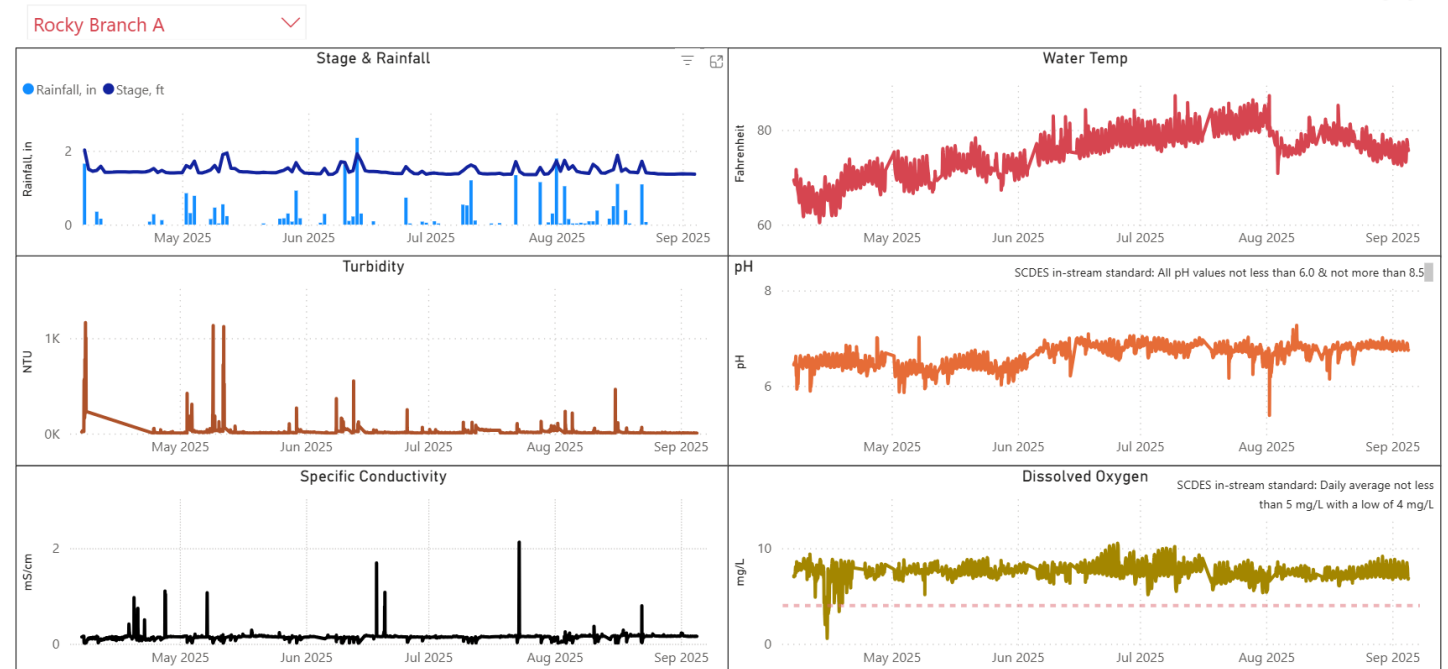


Continuous Water Quality Monitoring Periodic Report

Date

4/7/2025

9/4/2025



Note: Data are excluded when an instrument is removed for maintenance or calibration or when environmental conditions compromise data accuracy.

106%

Microsoft Power BI

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To Change View Of Data To Summary Table

Upon launching Power BI the initial view of data for the monitoring station is viewed in a graph format. To change the view of data to a table format select the arrow at the bottom of the page to change screens.

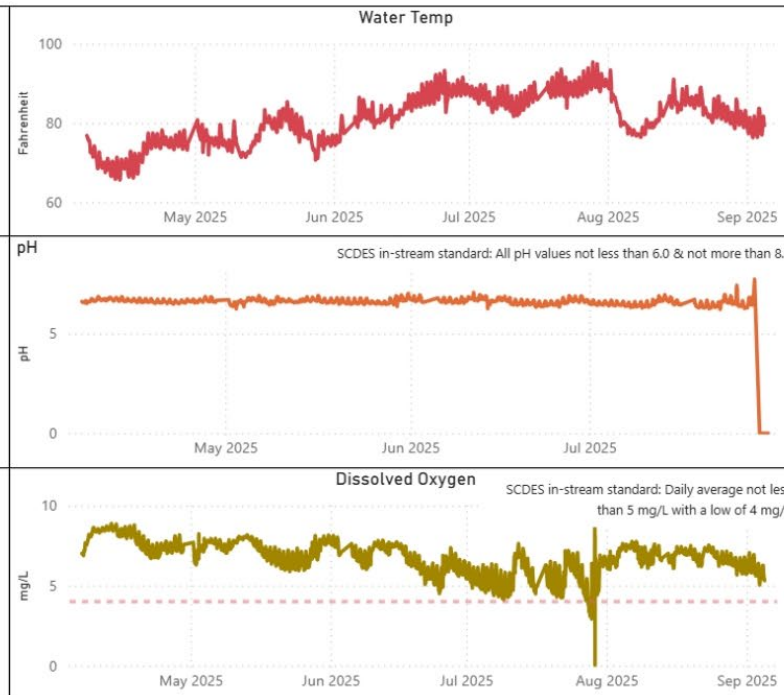
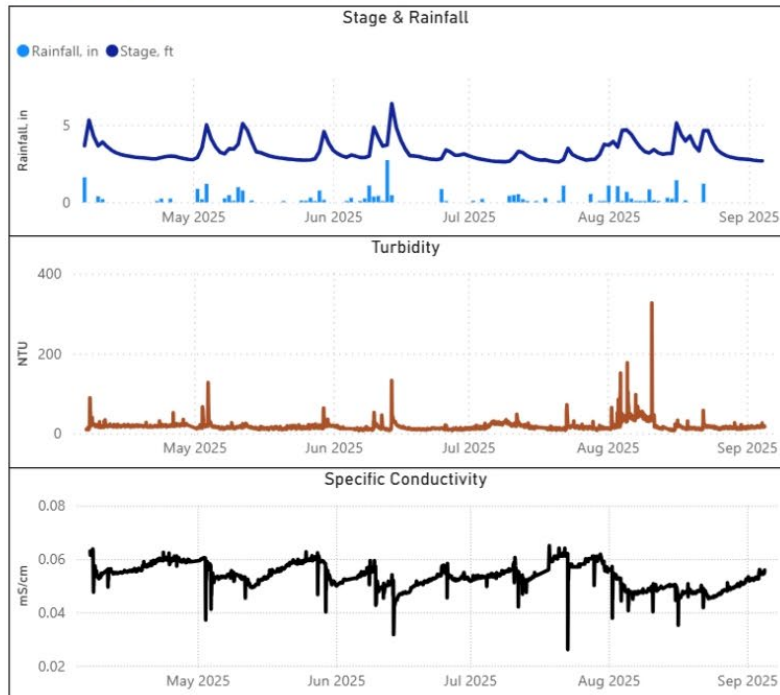
Continuous Water Quality Monitoring Periodic Report

Gills Creek B

Date

4/7/2025

9/4/2025



Note: Data are excluded when an instrument is removed for maintenance or calibration or when environmental conditions compromise data accuracy.

< 2 of 2 >

Select this arrow



To Change View Of Data To Summary Table Continued:

After selecting the arrow the data for the monitoring station will now appear in a table format and the above processes to change the date and monitoring station can be preformed to view the desired data.

Continuous Water Quality
Monitoring Periodic Report

Date

4/7/2025

9/4/2025

Gills Creek B

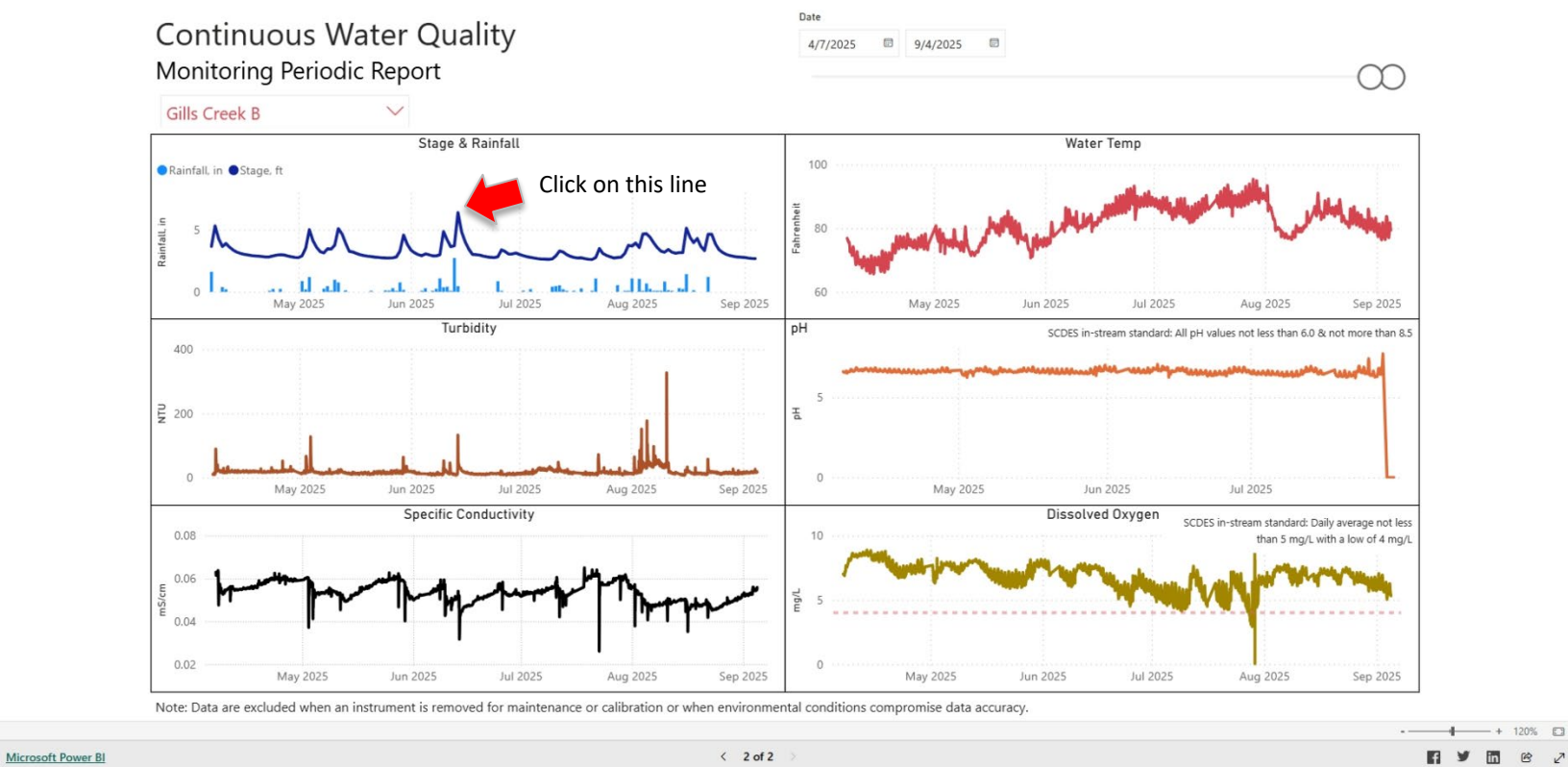


PARAMETER	DESCRIPTION
STREAM NAME:	Gills Creek
LOCATION:	Devine Street Bridge
ADDRESS:	4716 Devine St, Columbia, SC 29209
COORDINATES:	33.989656, -80.97433
TMDL/IMPAIRMENT:	Fecal & Dissolved Oxygen
NEIGHBORING LANDUSE:	Residential and Commercial
APPROX DRAINAGE AREA:	59 square miles
SPATIAL LOCATION:	Middle Site
TOTAL NO. STORMS OVER 0.1 INCH:	56
MAX. DAILY RAINFALL:	2.7
TOTAL RAINFALL (FOR PERIOD):	26.8

CONTINUOUS WATER QUALITY PARAMETERS	MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STAGE (FT):	2.6	7.3	3.0	3.3	0.7
TEMPERATURE (FAHRENHEIT):	66	95	81	81	6
TURBIDITY (NTU):	7	326	15	17	10
pH:	0.0	7.7	6.6	6.5	0.8
SPECIFIC CONDUCTIVITY (mS/cm):	0.026	0.065	0.054	0.054	0.004
DISSOLVED OXYGEN (mg/L):	0.0	9.4	6.9	6.7	1.0

Rainfall Advanced Data Viewing:

On the graph data view screen specific data can be viewed based on certain rain events. Clicking on the stage line at a specific measurement will update the other graphs to reflect the data on that individual day. In this example the peak stage on June 14, 2025 will be selected.



The graphs will then be updated to reflect the data from the event date selected.

