WIMS NATIONAL USER CONFERENCE

LEARNING LAB | GRAPH TRAINING

HELLO! MEET THE TEAM.

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TODAY'S AGENDA

- Time Series Graphs
- Line Graph
- Variable Analysis Graph
    - Quick Trend
    - Year Over Year
    - Individual-Moving Range
    - Histogram

TIME SERIES GRAPH BASICS

8 DATA SETS

6 on one Y-axis
2 on overlay axis

GROUP DATA

By Frequency
And Summary Stat

HOT GRAPH

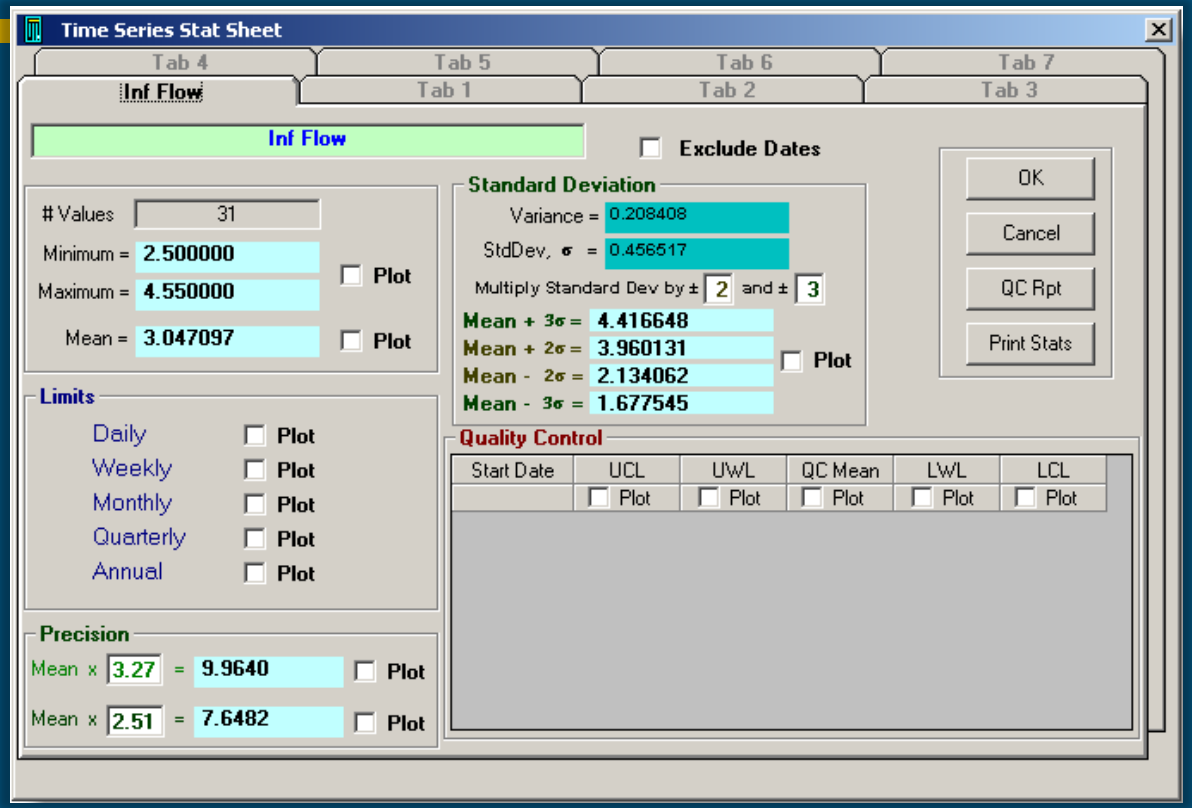
Click on a data point to display the actual data value

GRAPH PROPERTIES

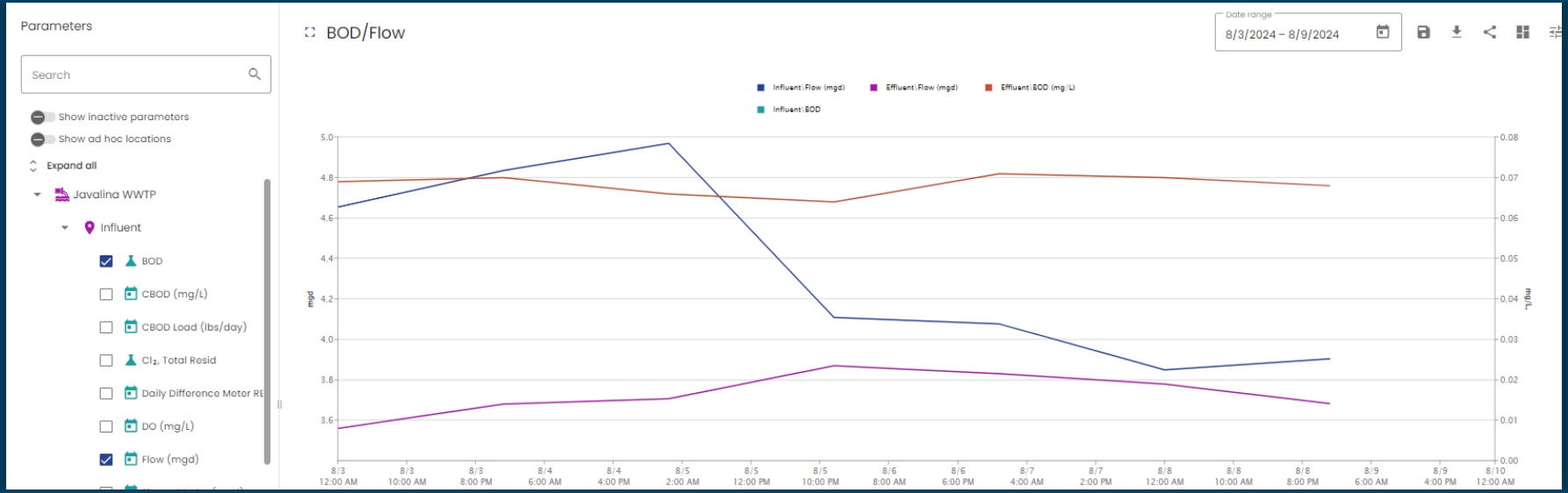
Almost endless editing – colors, styles, fonts, axis, background, etc.

LEVEL UP WITH STATS

Dialog box displays statistical information that can be added to the graph for each of the variables



WIMS RIO GRAPH BASICS



LINE GRAPH BASICS

10 Variables on separate y-axis

Heatmap shows correlation between variables

Plot raw data or averages

Display limit lines

Zoom in and out

Customize

LEVEL UP CORRELATION GRAPH

CORRELATION STATISTICS

LINEAR

Default statistic. Measures the strength and direction of a relationship between two variables

GEOMETRIC

Measures the relationship between two variables based on the idea the correlation is the angle between their observation vectors.

EXPONENTIAL

Shows a non-linear correlation between two variables that can be tested using the linear correlation coefficient

THIRD ORDER POLYNOMIAL

A type of correlation which establishes the accurate relation between the given data.

VARIABLE ANALYSIS GRAPH BASICS

01

TREND GRAPH

Data over time

02

YEAR OVER YEAR

Overlaid data for one variable for the same time range for up to 5 years

03

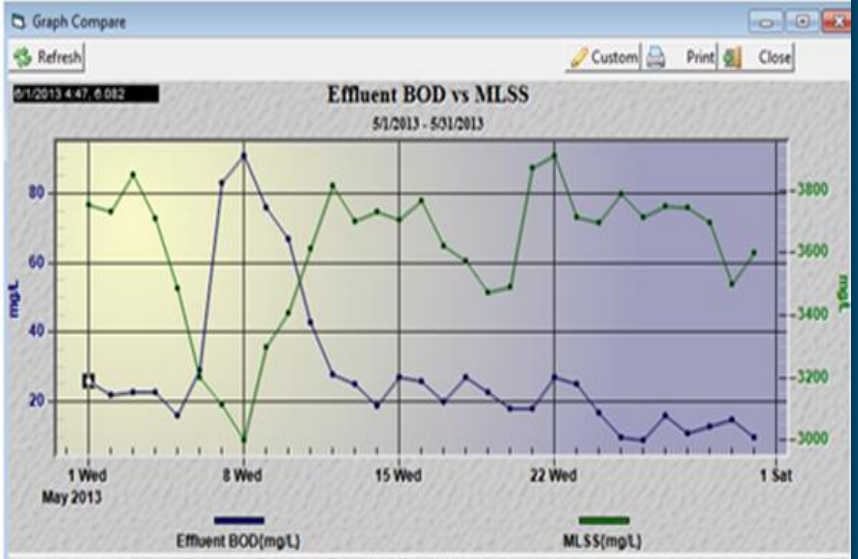
MOVING RANGE GRAPH

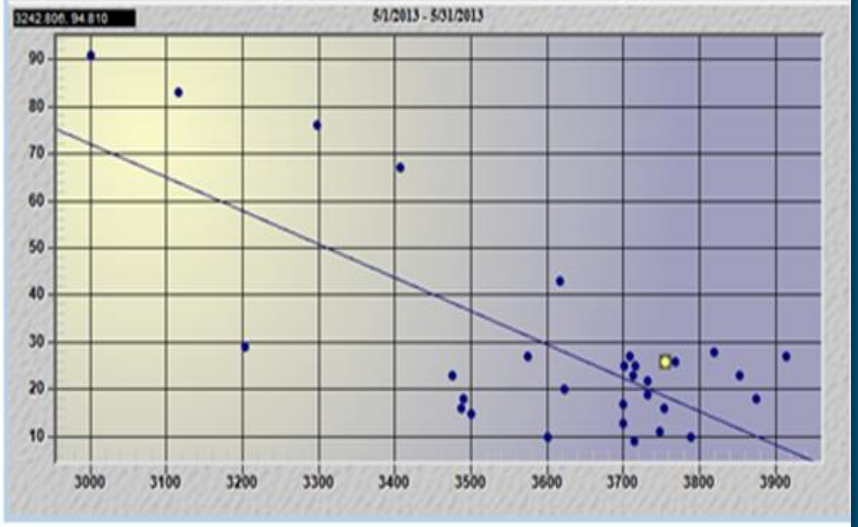
Creates a picture of how the system changes over time and if the process is stable and predictable

04

HISTOGRAM

Shows the frequency of certain variables values in a bar chart





LEVEL UP

COMPARE GRAPH

Two variable trend graph and scatter graph to determine if there is a statistical correlation between two parameters

Suggest button will display the correlation calculations for selected variable

QUESTIONS
&
DEMO

THANKS!

ANY QUESTIONS OR COMMENTS?

AQUATIC INFORMATICS