Del-Co Water Reservoir Management Strategies

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June 27, 2019
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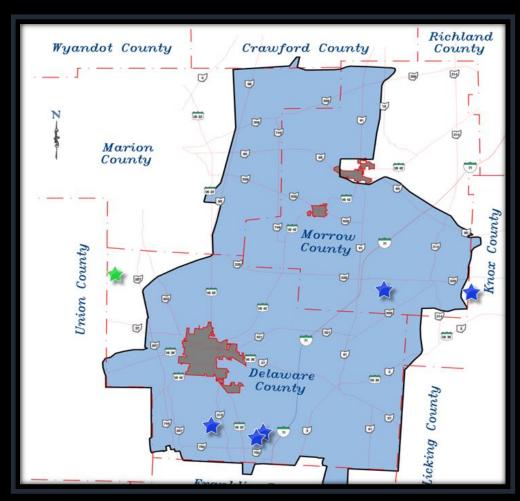
Opening Remarks

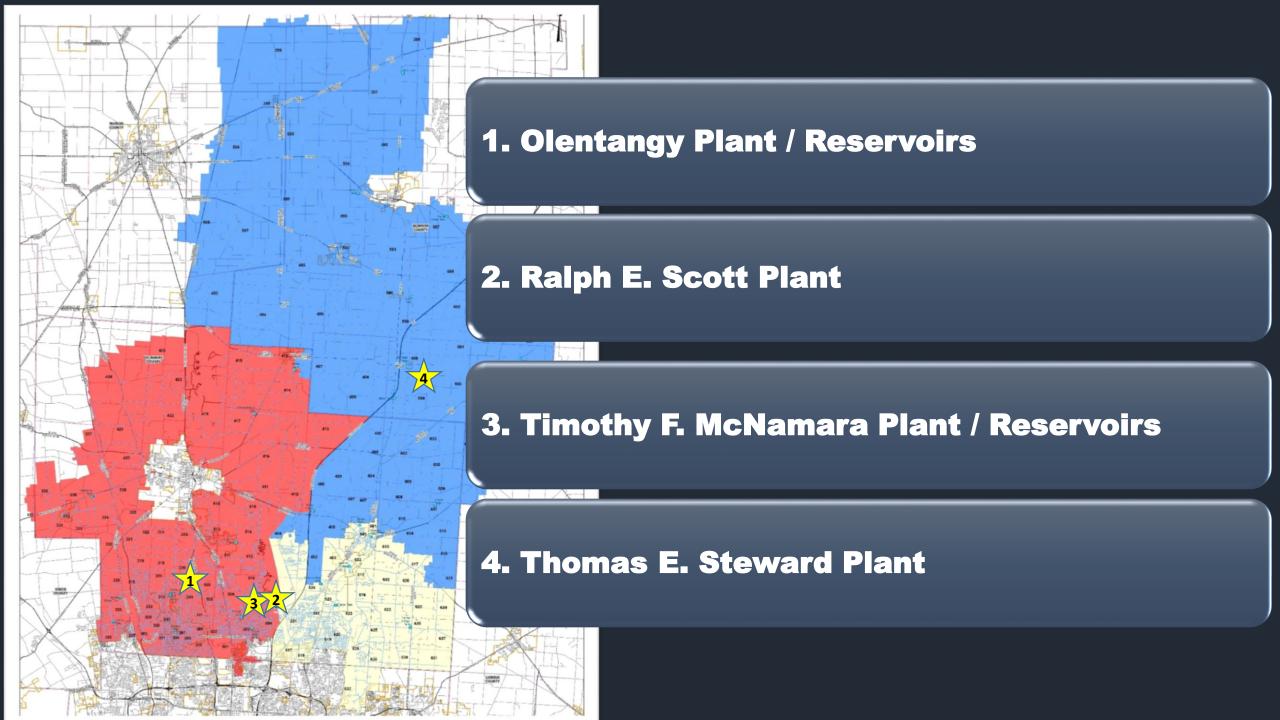
- · Del-Co Water Background
- · Management Strategies
- · Recent Data
- · Operational Decisions

Del-Co General Information

Member owned 501 (c) Not-for-Profit Corporation

- · Largest 'Rural' System in Ohio
- 7th largest PWS in Ohio
- Population = 150,000
- Serve 7 counties





Clentangy Reservoirs

~ 1.6 Billion Gallons

Olentangy & Scioto Rivers



Management Strategies

- Reservoir Monitoring
- Intake Monitoring
- Algaecide Applications
- · Required OEPA Analysis

Reservoir Monitoring

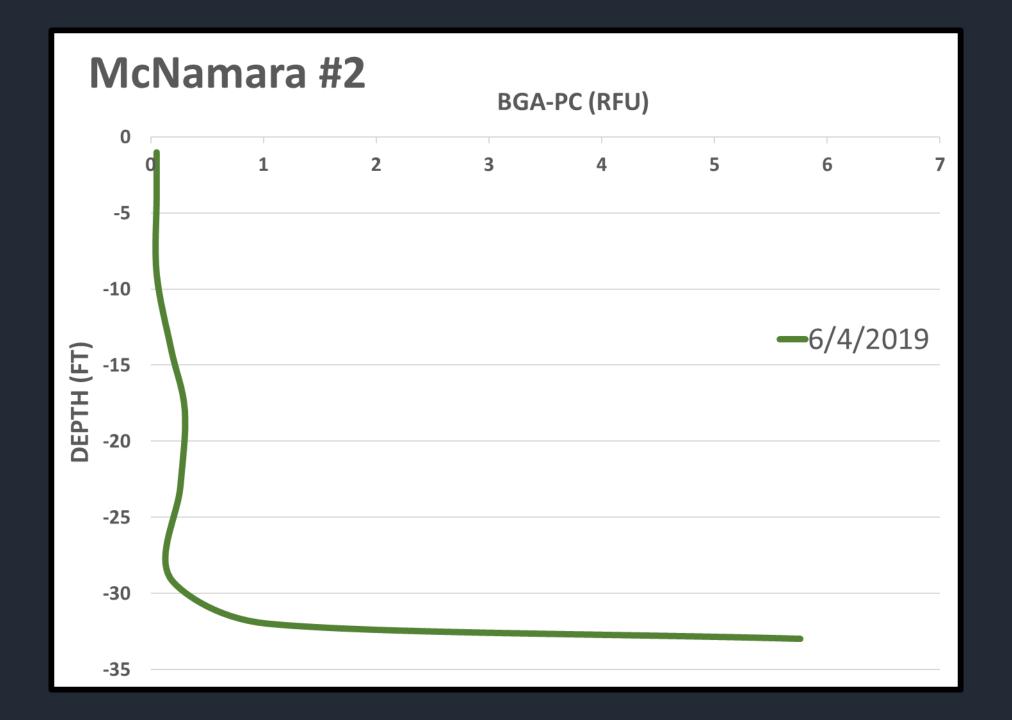
- Weekly, profiling, and event monitoring
- Chemical and biological parameters
- HABs is the most significant issue
- Assist in operational decisions

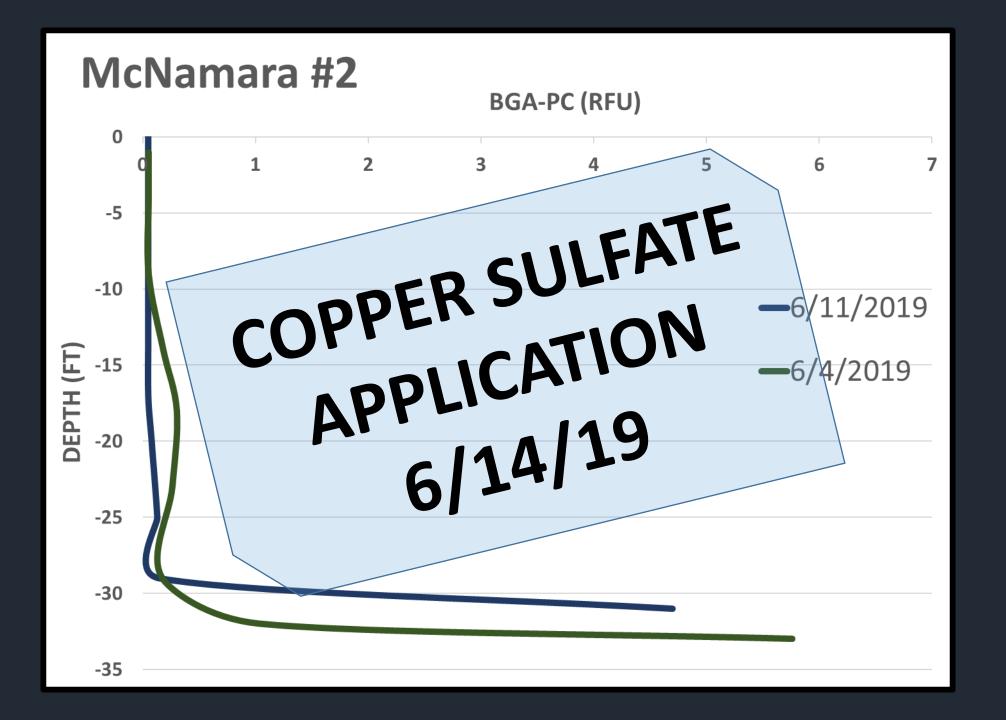


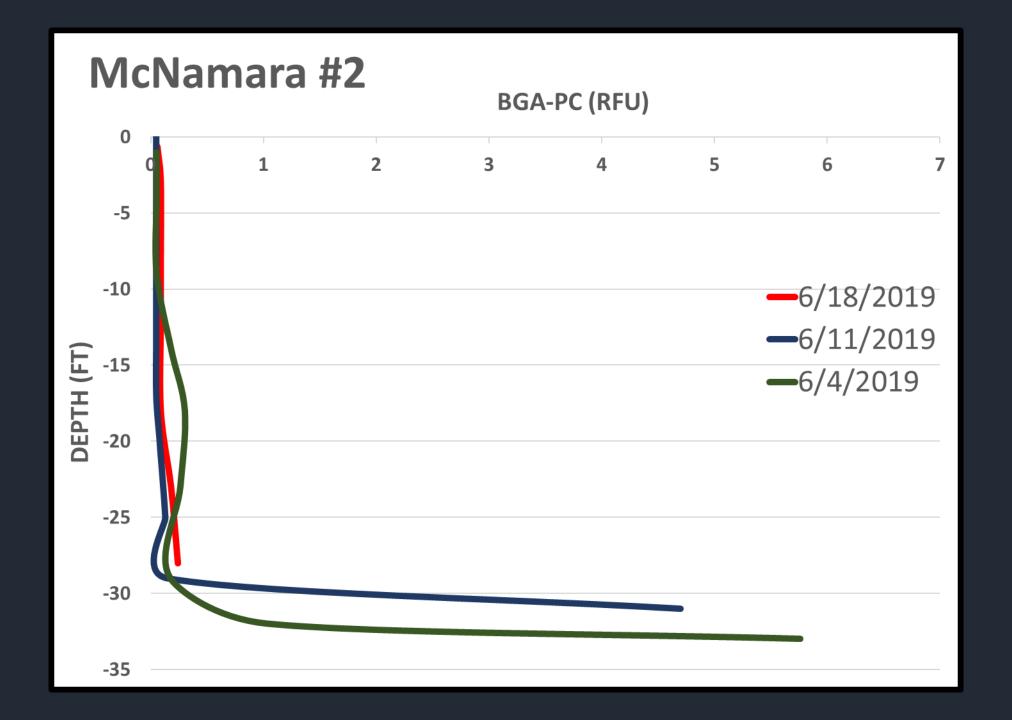
Reservoir Monitoring

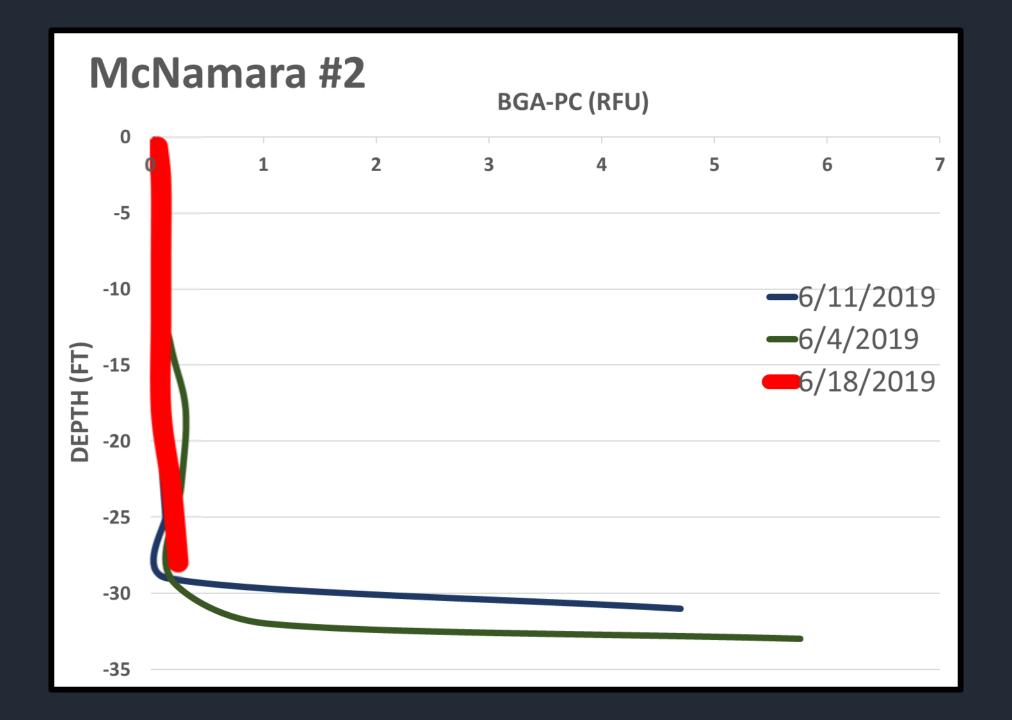




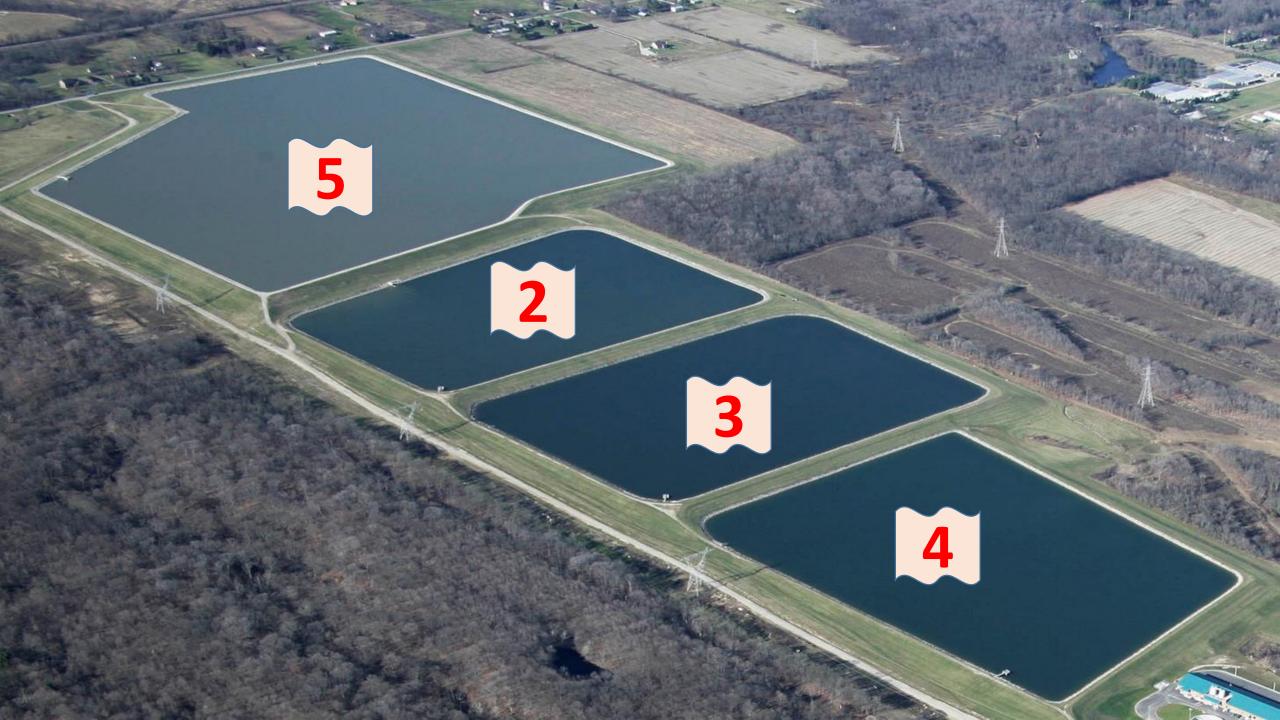


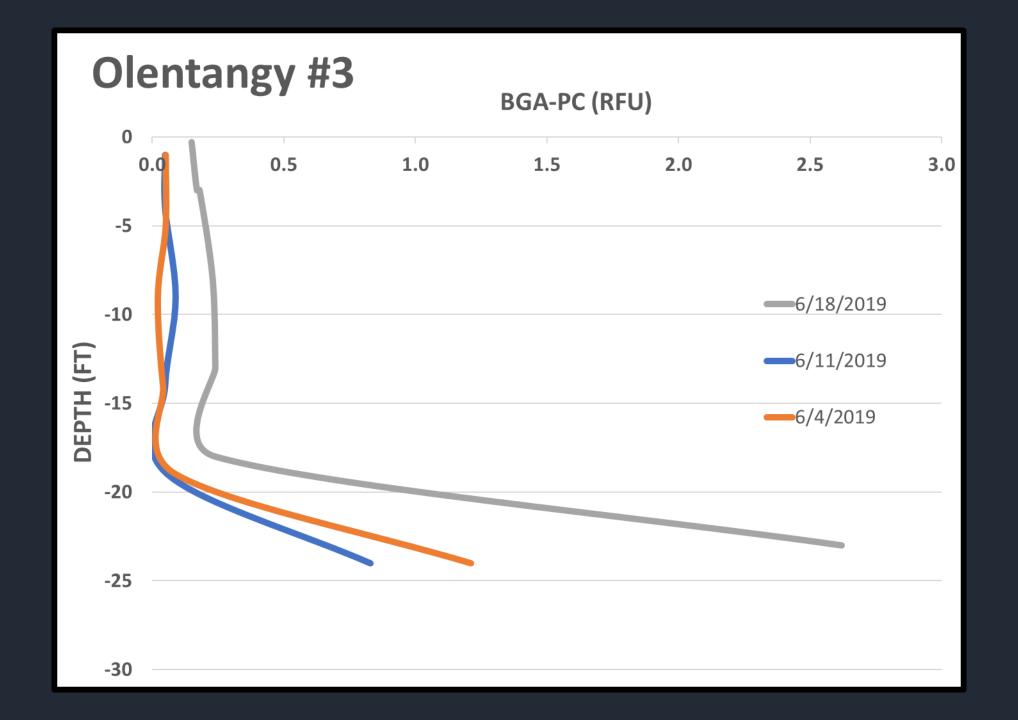










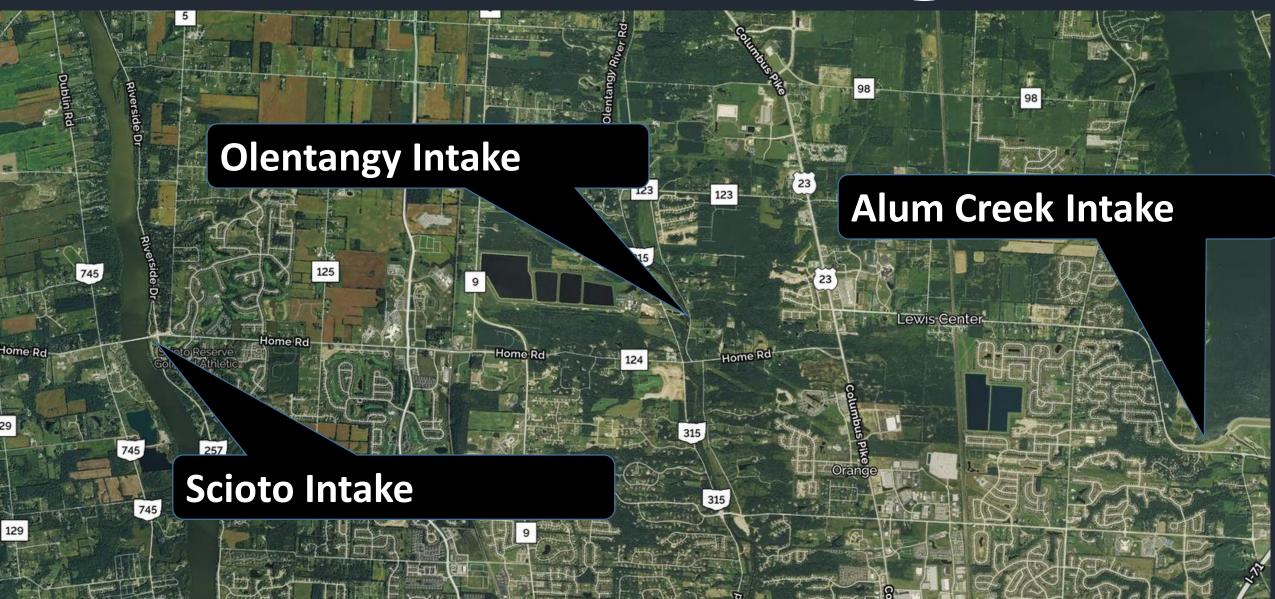


Intake Monitoring

- Continuous, on-line monitoring
- Chemical and biological parameters
- Hosted on secure website

Alarms sent by text or email

Intake Monitoring













NETWORKS

My Networks Map

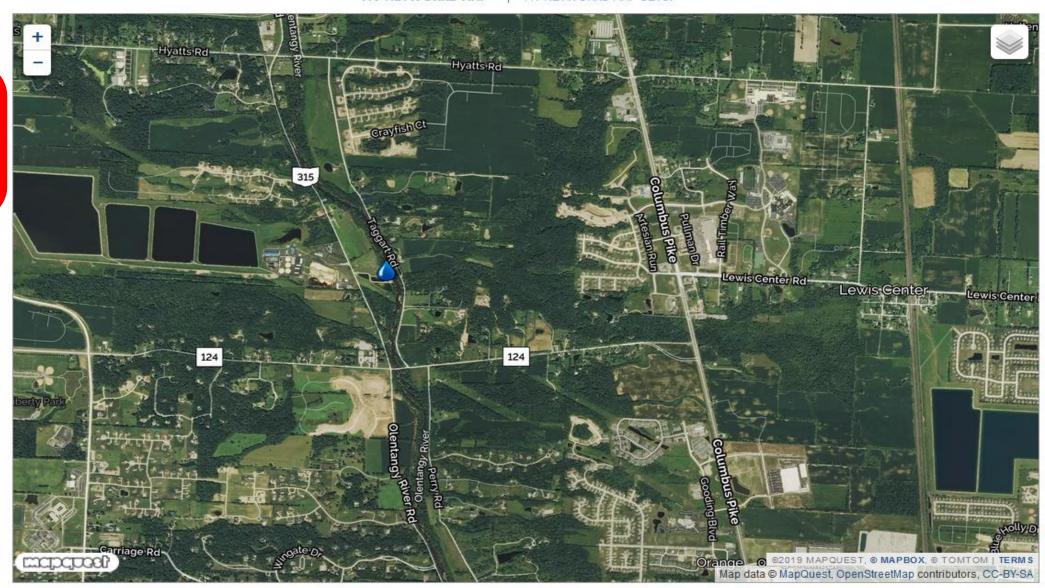
Olentangy Raw Intake

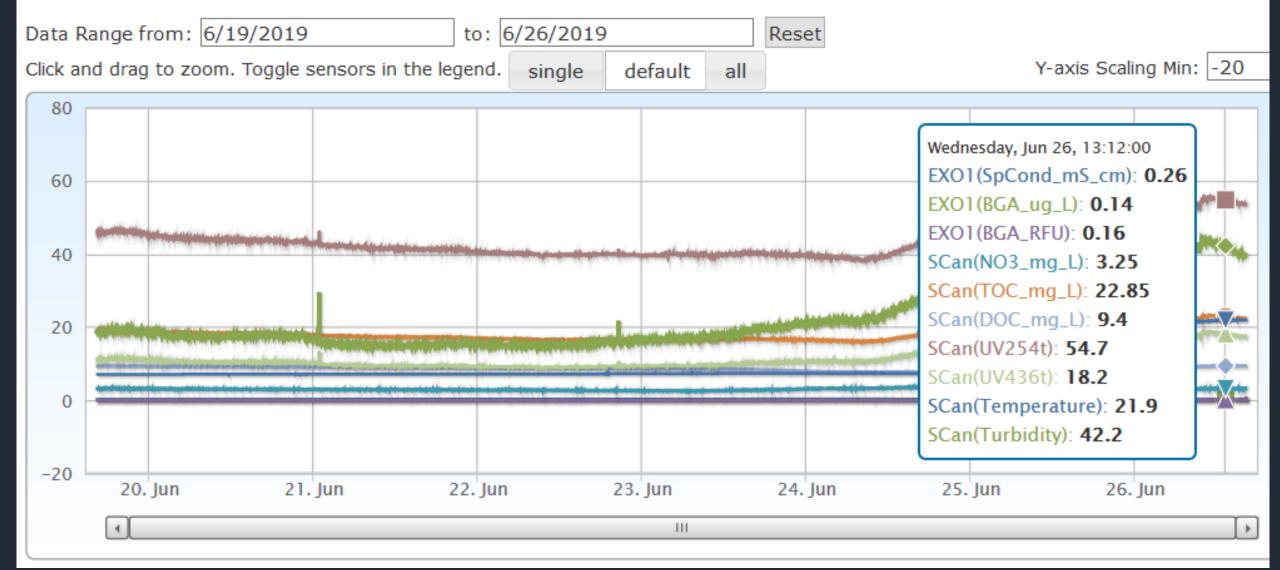
RES Raw Intake

Schreiber Raw Water **Pump Station**

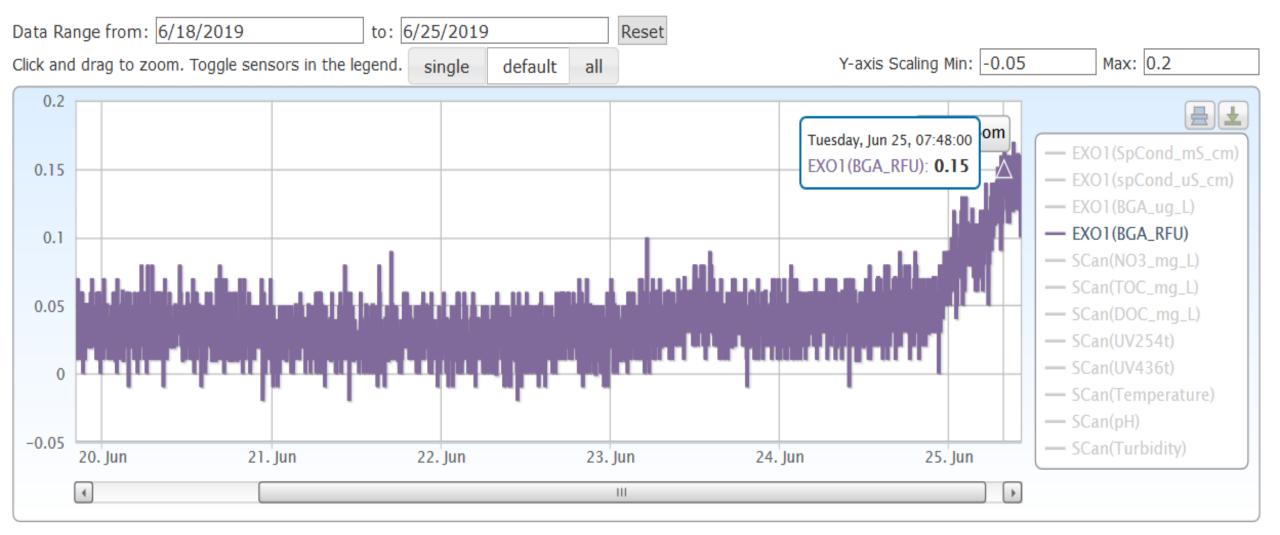
MY NETWORKS MAP

MY NETWORKS MAP SETUP

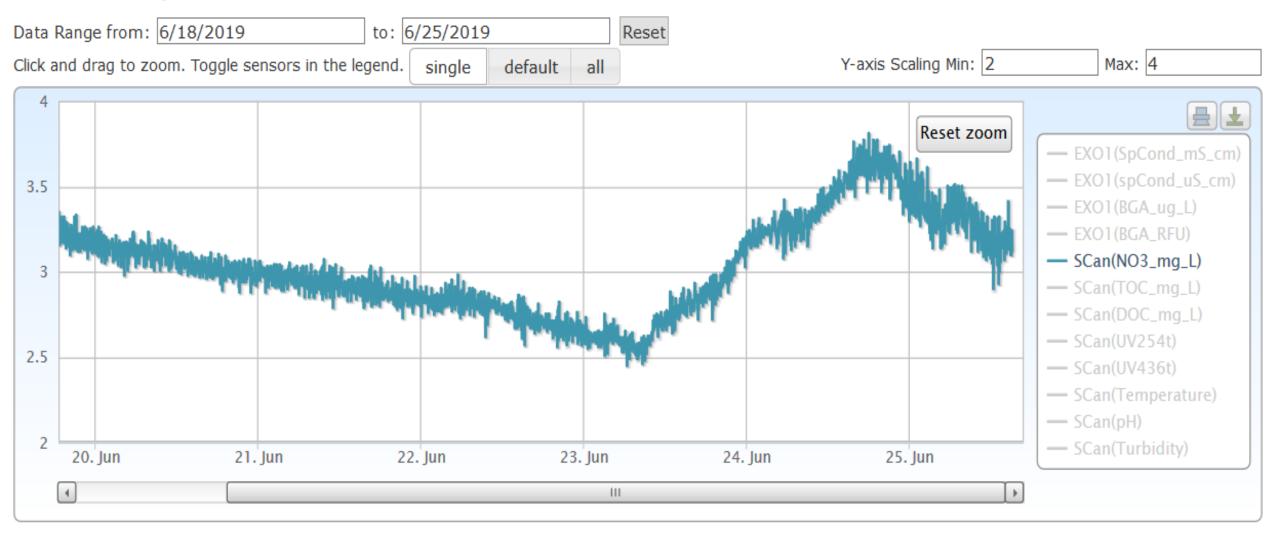




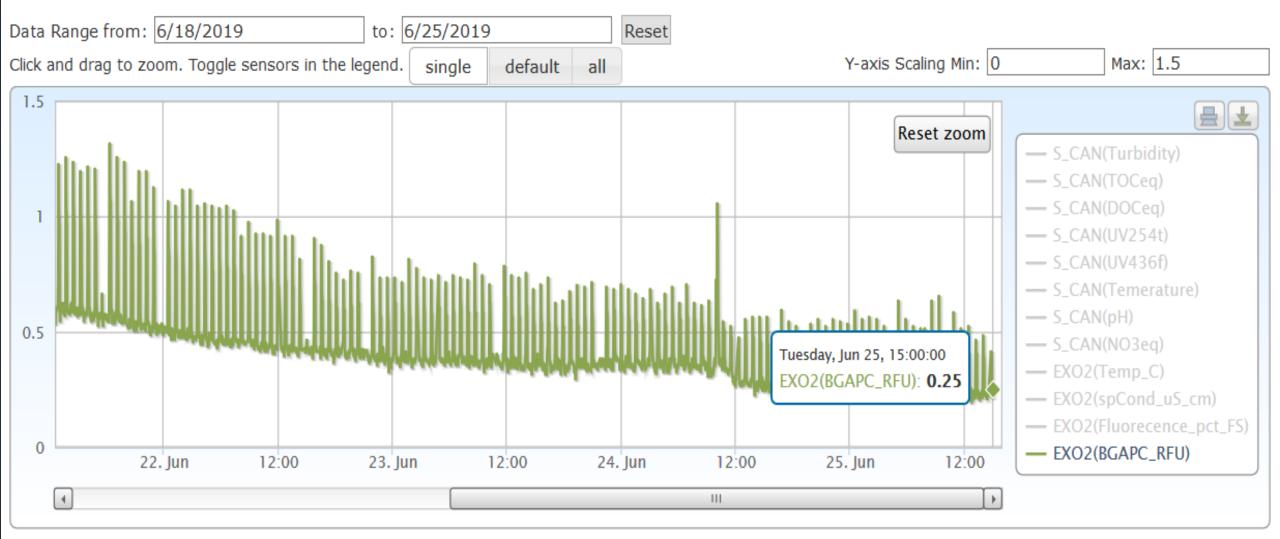
Olentangy Intake - BGA



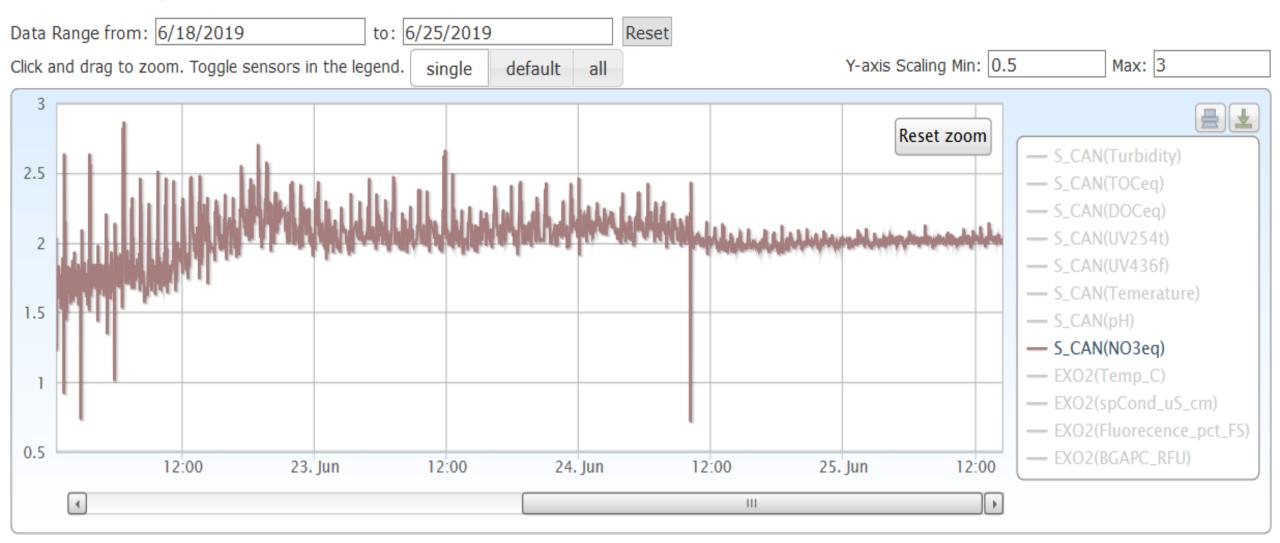
Olentangy Intake – NO₃



Scioto Intake - BGA



Scioto Intake - NO₃



Alarm Notifications

Alarm Condition

Simple:	Site	Sensor	Condition	Set Point	Reset Point
	Olentangy Raw Intake >	SCan(NO3_mg_L) ~	greater than ~	5	
O Advanced:	[Olentangy Raw Intake~	SCan(NO3_mg_L)] > 5			
	Debug:				
Status: (Not evaluated) Evaluate					

Alarm Actions & Notifications

Actions: Change Icon on Map Notifications: Frequency: Outil Acknowledged First occurance only Send E-mail Send SMS Text Message



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