

Delaware River Basin Commission

Monitoring Updates

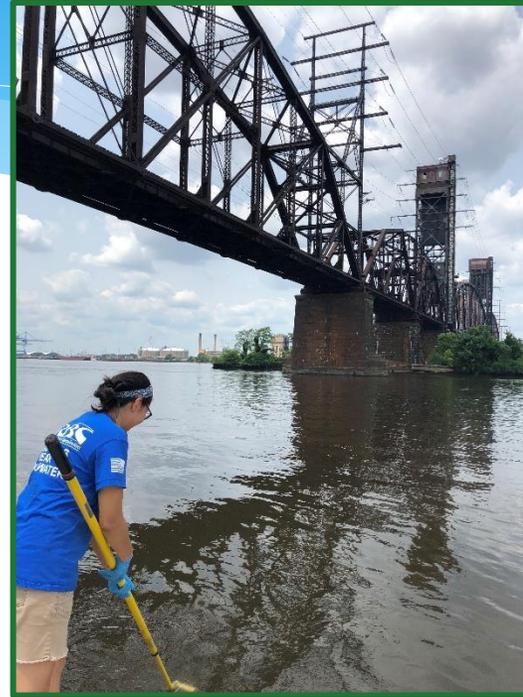
MACC-STAC Meeting

June 9, 2021

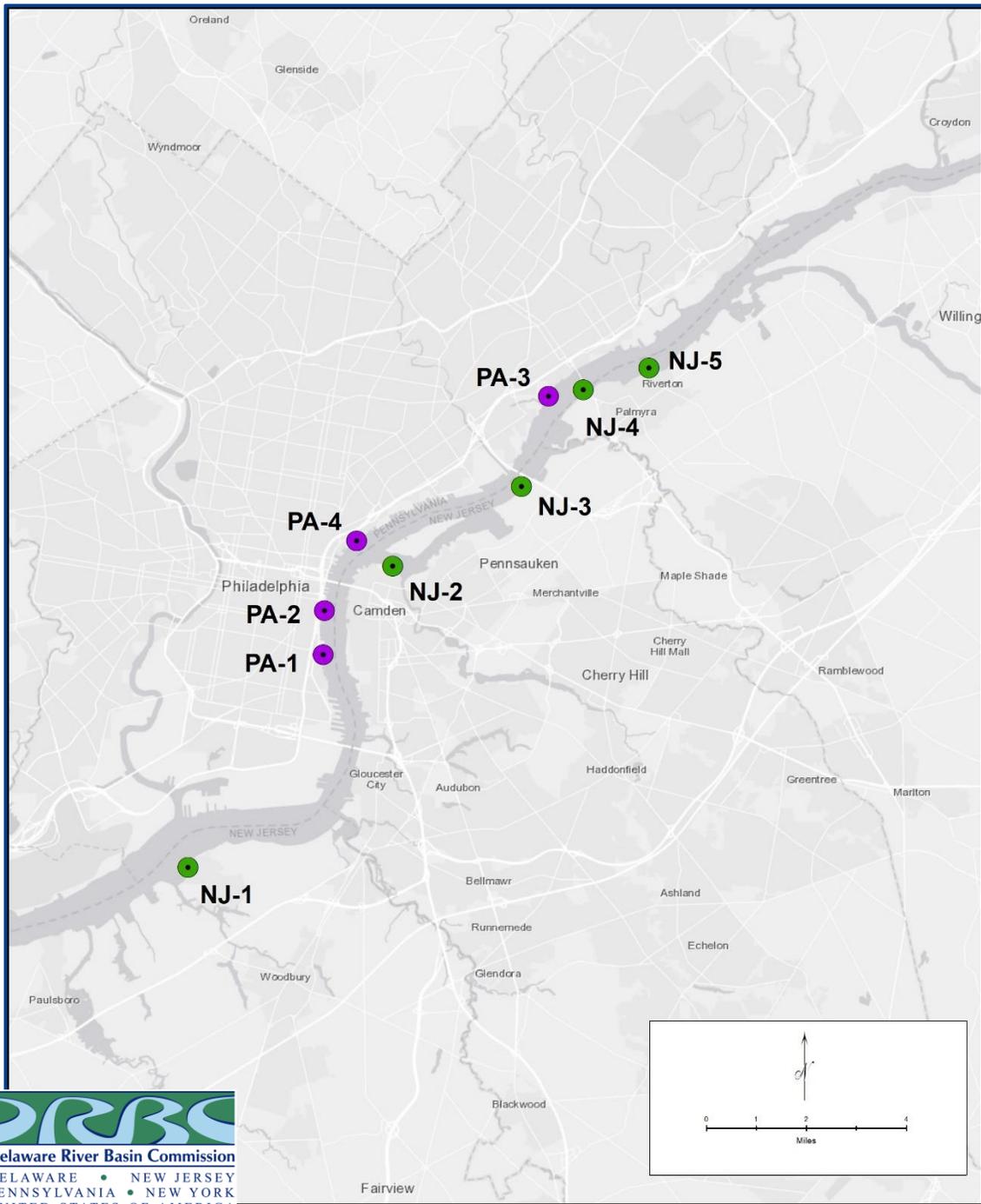
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Manager, Water Quality Assessment DRBC

Presented to an advisory committee of the DRBC on June 9, 2021. Contents should not be published or re-posted in whole or in part without permission of DRBC.



Bacteria Monitoring Shore Based Monitoring Summer 2021



Shore-based, where recreation more likely
Weekly, May - September
Fecal coliform, enterococcus, E. coli

- Riverton Yacht Club (NJ-5)
- Palmyra Cove Nature Center (NJ-4)
- Pennsauken Access (NJ-3)
- Pyne Poynt Park (NJ-2)
- National Park (NJ-1)

NJ

- Washington Ave. Green (PA-1)
- Penn's Landing Lagoon (PA-2)
- Penn Treaty Park (PA-4)
- Frankford Arsenal Boat Ramp (PA-3)

PA

Bacteria Monitoring - Shore Based Monitoring Summer 2021

https://www.nj.gov/drbc/library/documents/WQAC/120320/Yagecic_Review2020BacteriaData.pdf



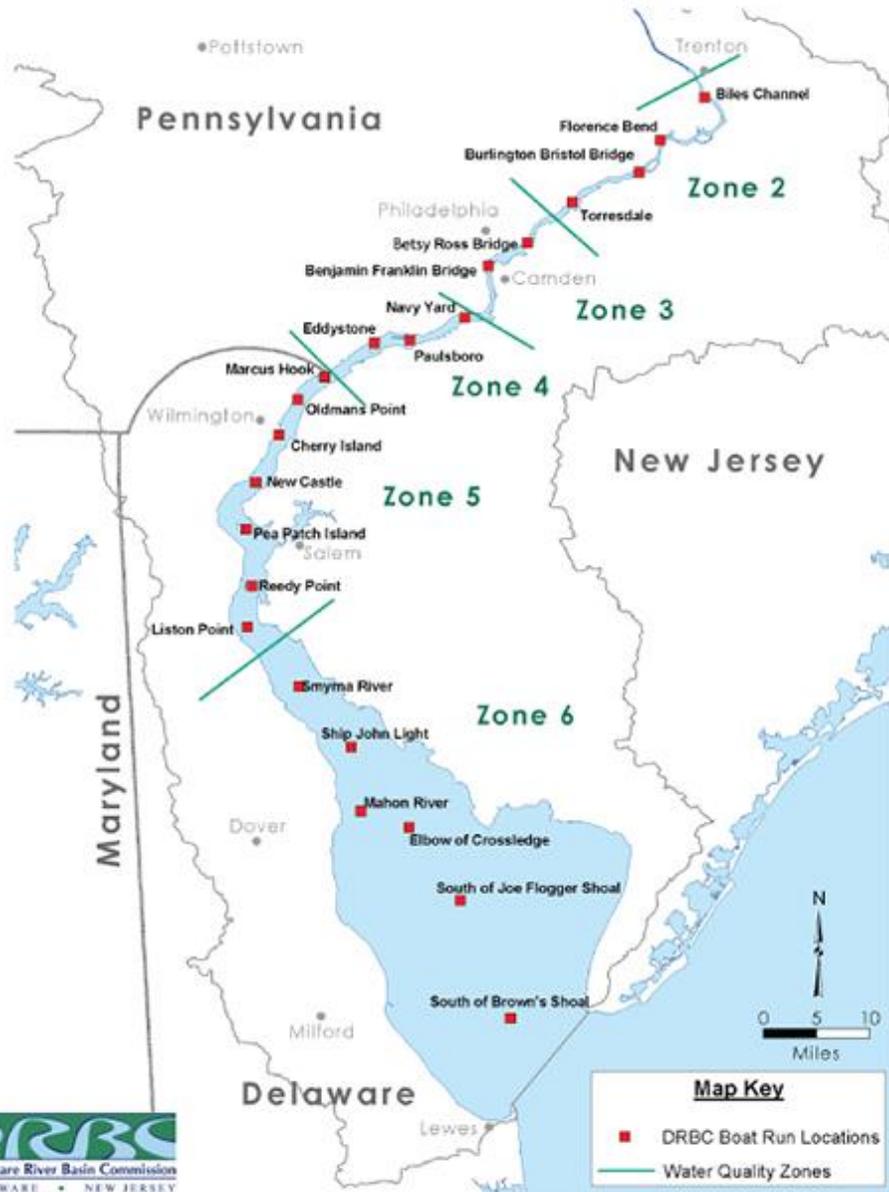
Bacteria Monitoring - Boat Based Transects

Summer 2021



- 5 Transects
- 5 Samples per Transect
- Plus Delaware at Trenton
- 4 events
 - 100+ Samples
- Fecal coliform, enterococcus, E. coli

Delaware Estuary Water Quality Monitoring Program Locations & DRBC Water Quality Zones

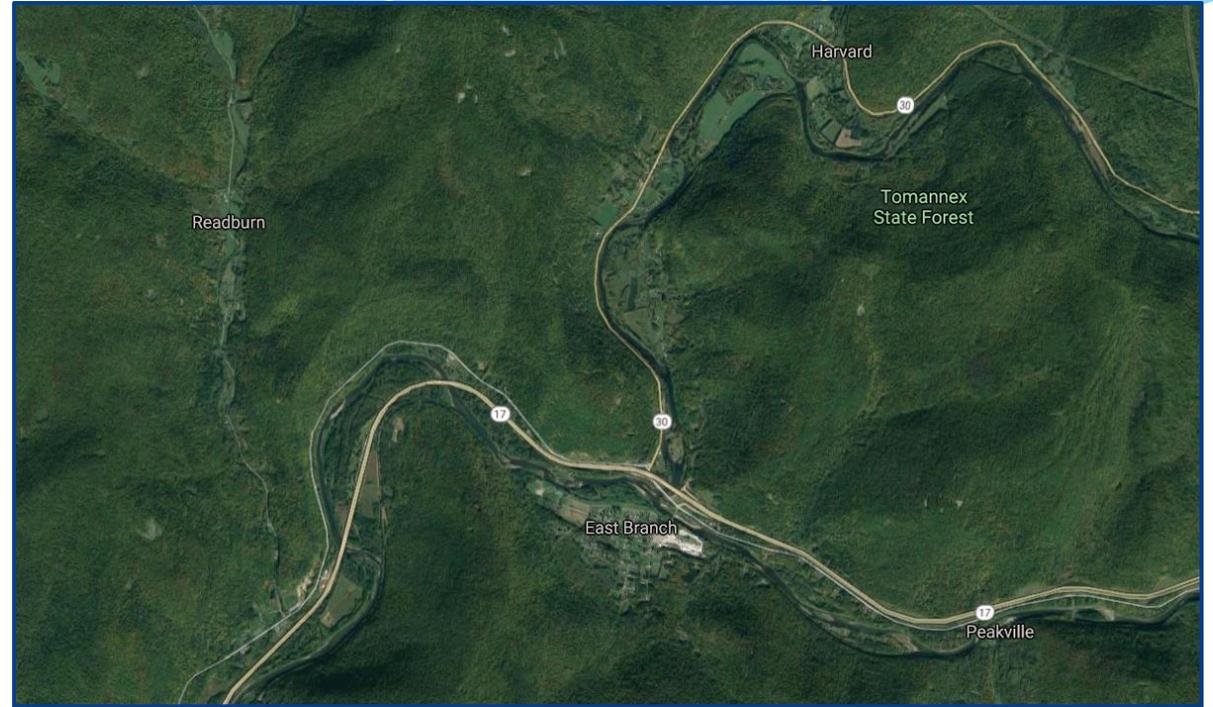
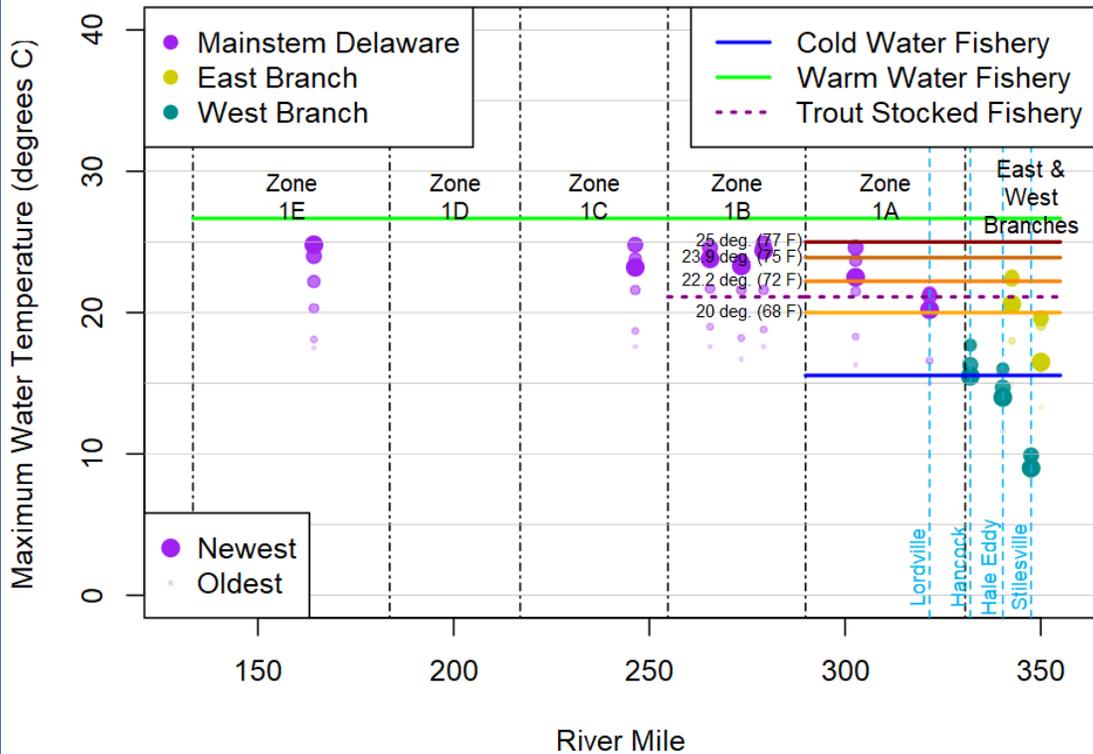


Boat Run 2021

- 22 Stations
- Center Channel
- Monthly, March through October
- Nutrients, metals, toxics, DO
- For 2021 added 1,4-dioxane

Upper Basin Thermal Shading Study

Delaware River Maximum Temperatures and Thresholds, 06/03/2021 through 06/08/2021



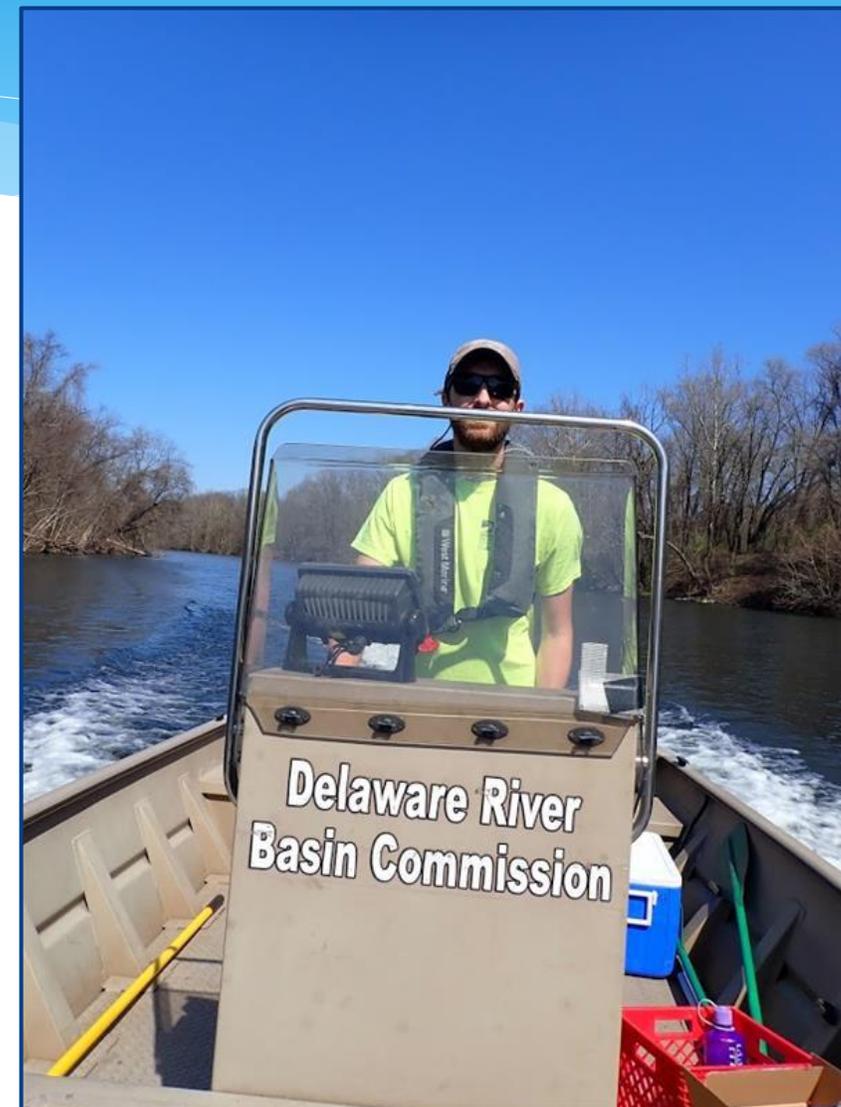
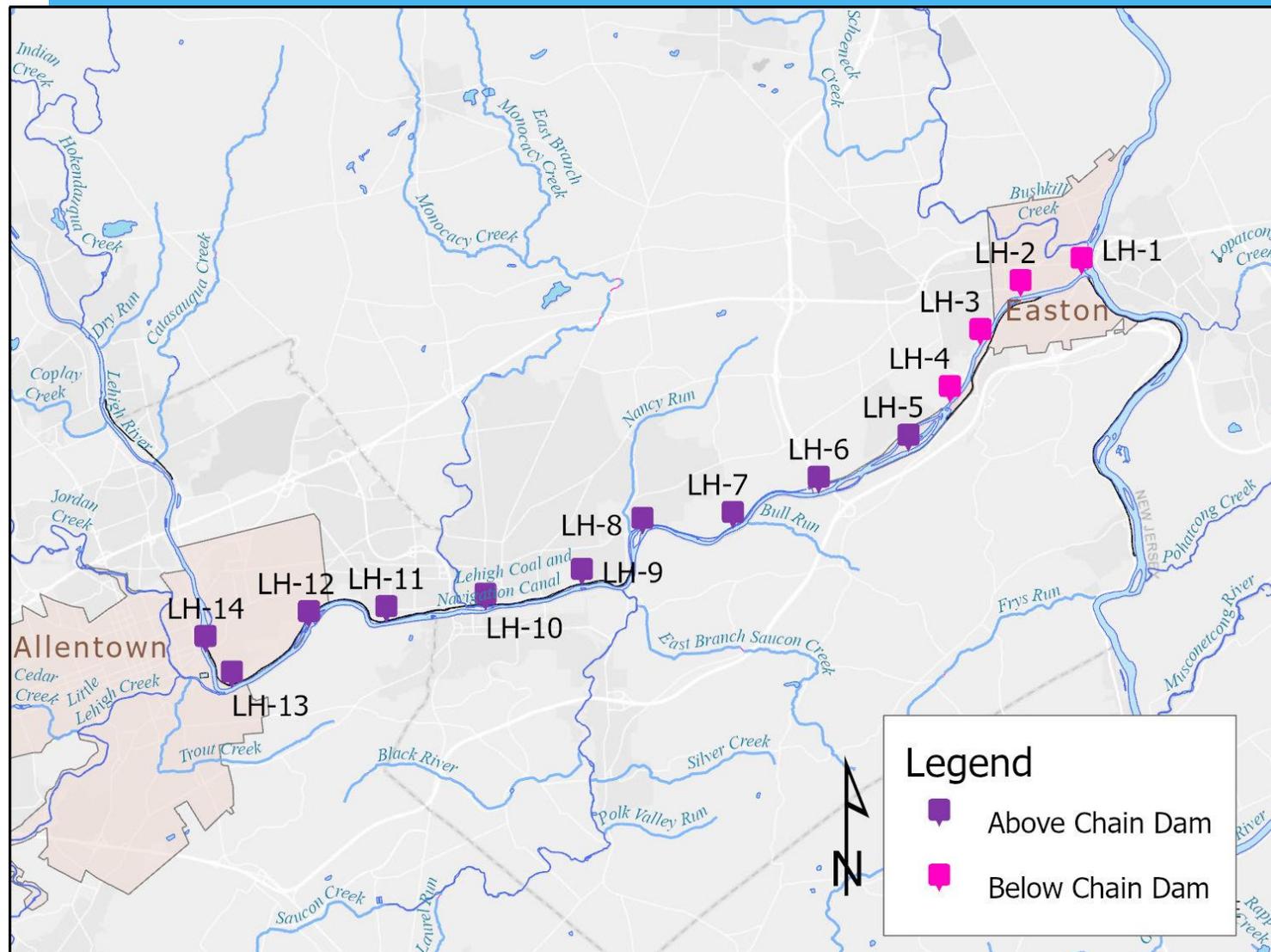
<https://www.drbc.net/Sky/uptemp.htm>

1,4-Dioxane Timeline & Coordination

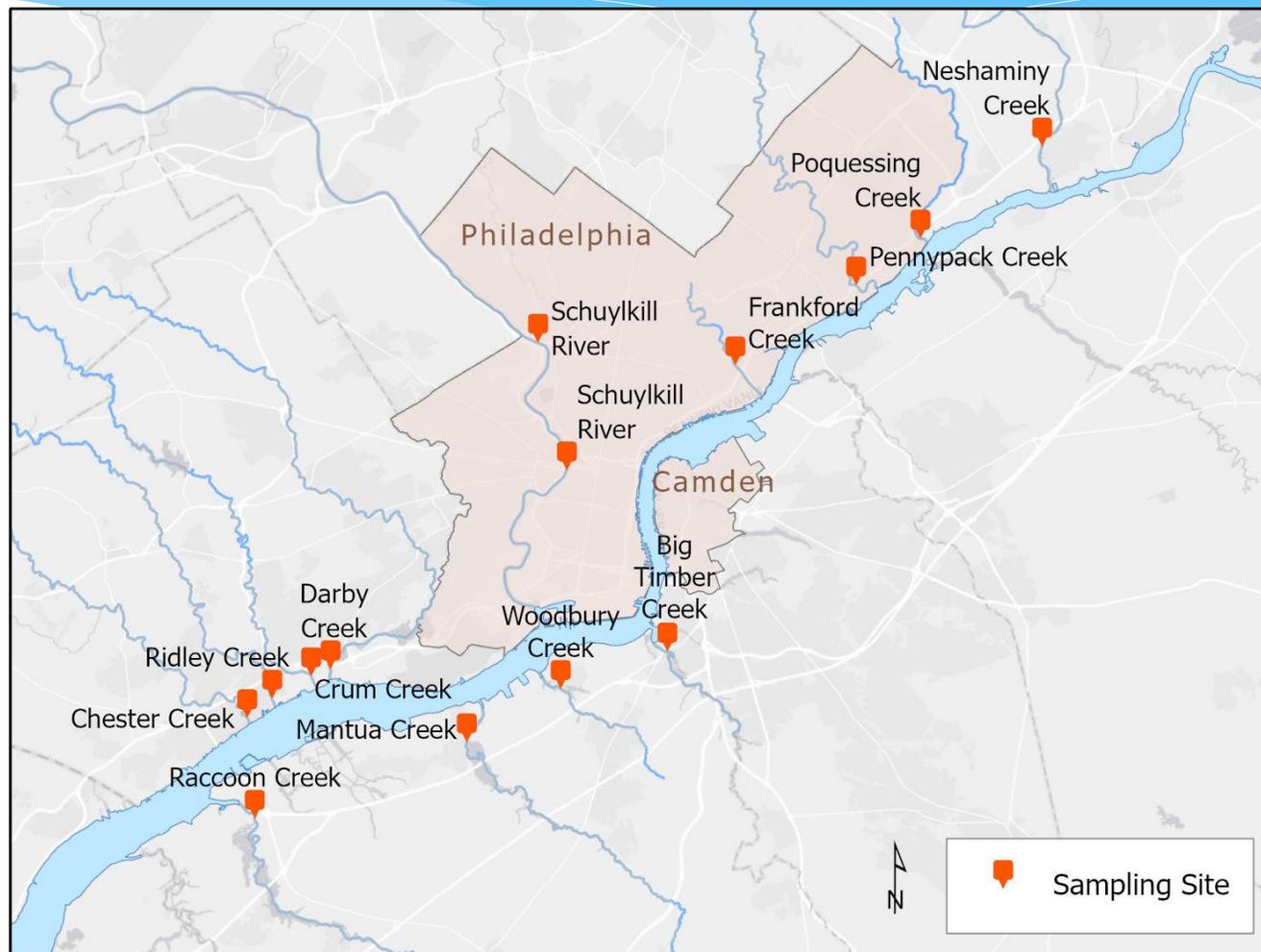
- NJ American Water found 1,4-dioxane in their Delaware River intake (~ RM 110) during EPA Unregulated Contaminant Monitoring Rule (UCMR) monitoring
- They reached out to DRBC in February 2020
- Added to Boat Run monitoring in March. Results showed detectable concentrations. Boat Run paused due to Covid-19, partially resumed in August.
- DRBC Coordinated results with NJ American, and NJDEP. Alerted PWD.
- Cooperative monitoring with NJ American Water support in November and December 2020 (4 events, a total of 29 samples) focused on non-tidal

https://www.nj.gov/drbc/library/documents/TAC/012821/DRBC_1-4Dioxane_yagecic.pdf

Boat Based Monitoring April 8th



1,4-Dioxane Estuary Tributary Monitoring





Questions or More information
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