

Review of 2024 and 2025 bacteria data collection efforts









September 15, 2025

DRBC Water Quality Advisory Committee

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Delaware Estuary Bacteria Background

2024 Monitoring Study Design

PADEP Assessment of 2024 Data

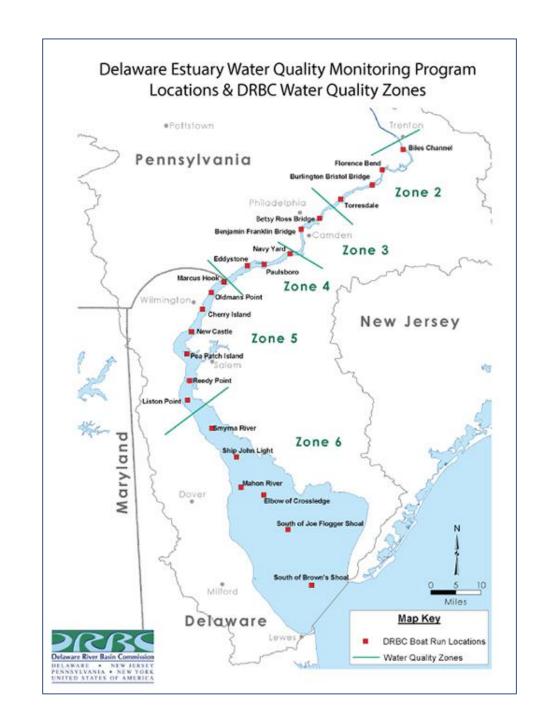
2025 Monitoring Study Design



Previous DRBC Bacteria Monitoring

- Boat Run
- Shore-based monitoring
- Boat transects

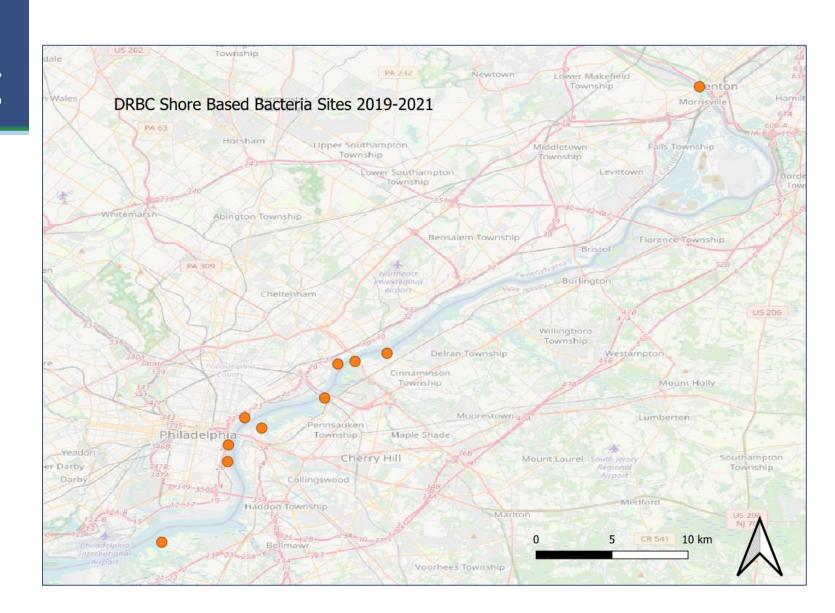




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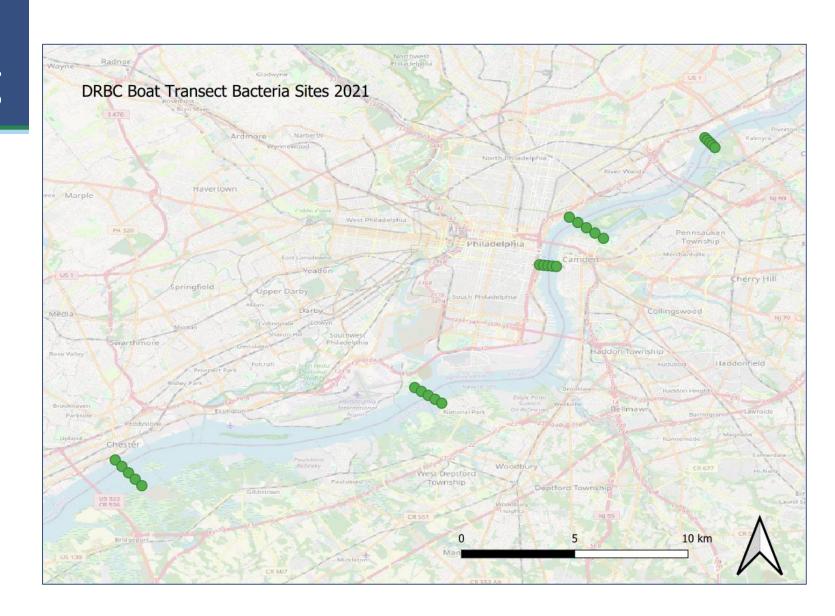




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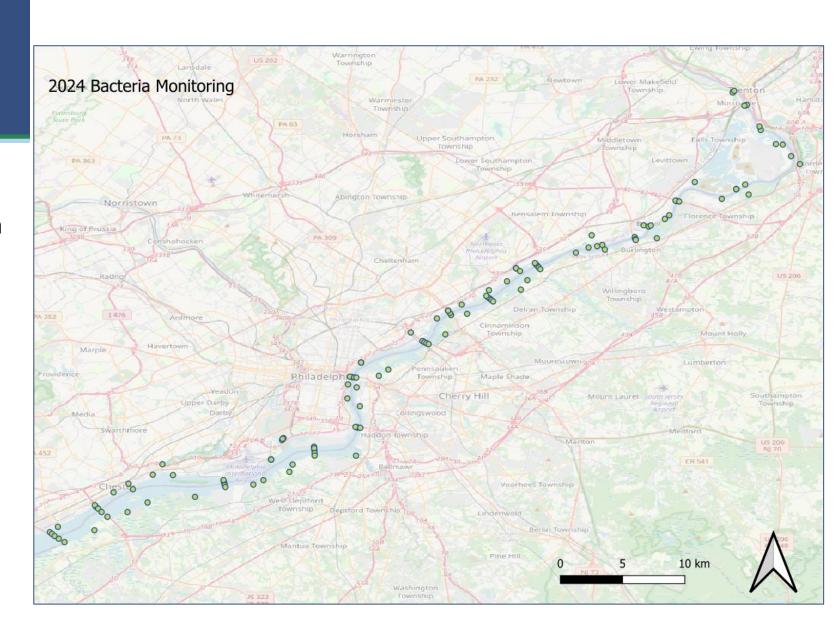
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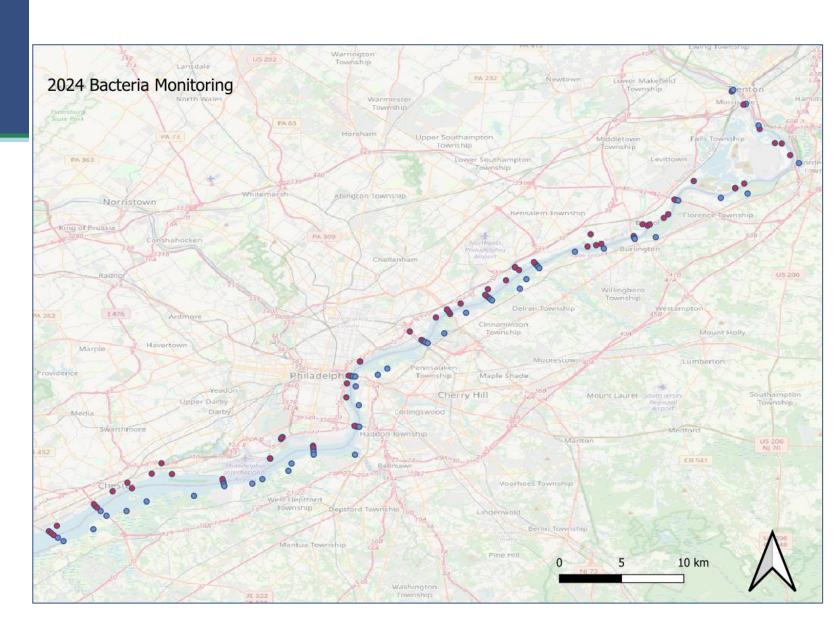
- Mostly mainstem estuary with some tidal tributaries near mouth
- Collaborative effort between DRBC, PADEP, NJDEP, and EPA
- 135 sites sampled 6 times over a 30 day window
- Samples analyzed for E. coli, fecal coliform, enterococcus, QPCR





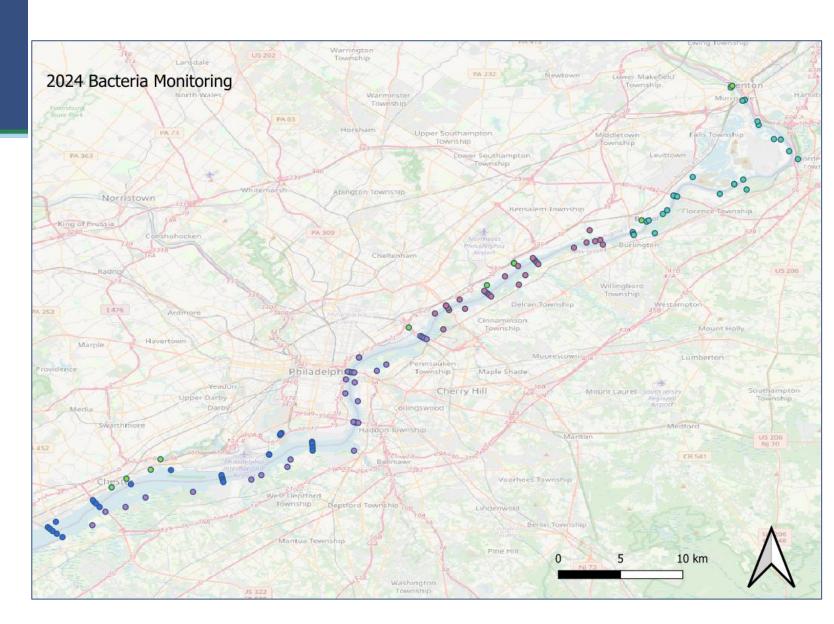
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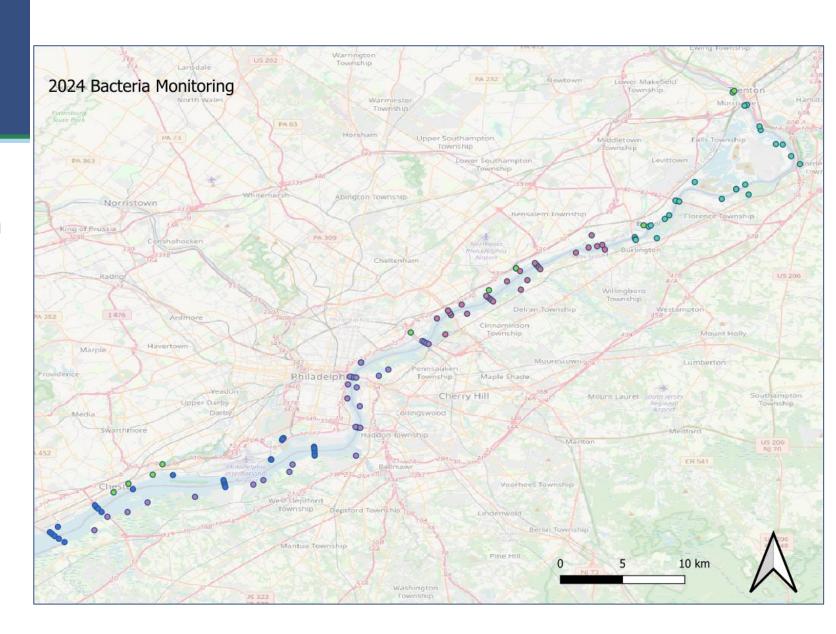
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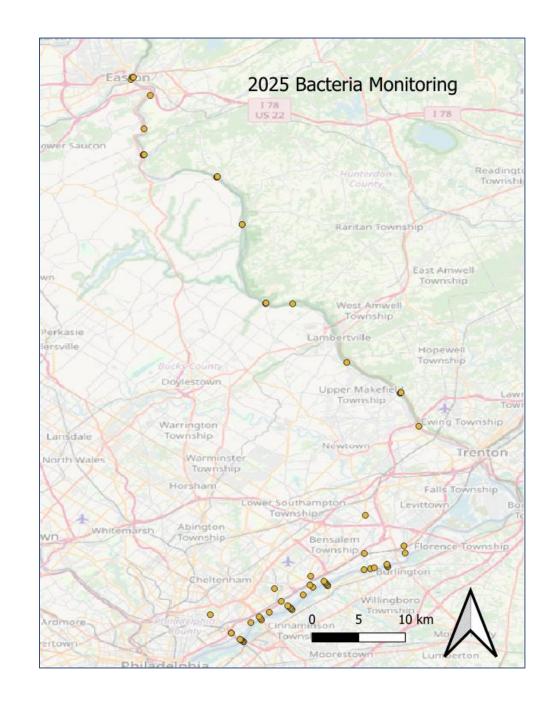


PADEP
Assessment of 2024 Data



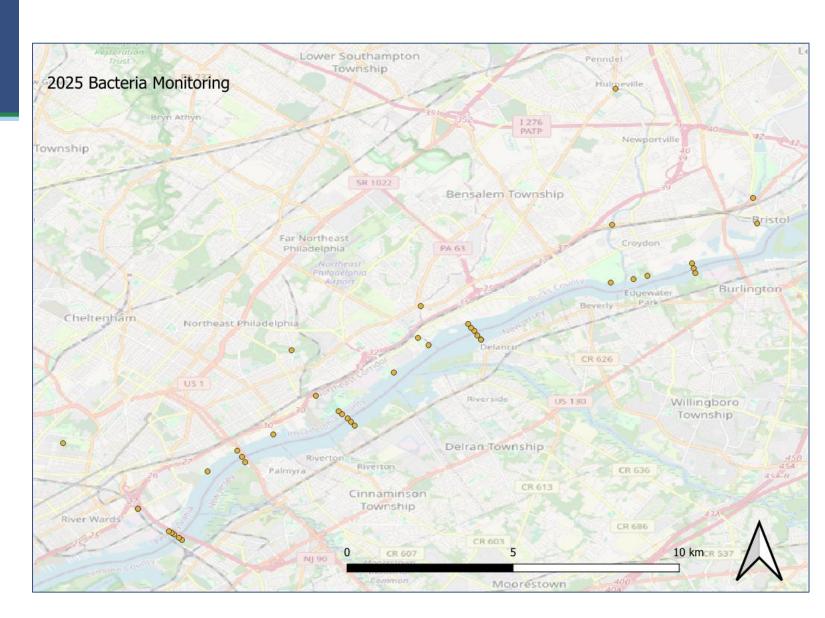
- Focused on Zone 2/ Zone 3
 interface and non-tidal to Easton
- Collaborative effort between DRBC, PADEP, and NJDEP
- 63 sites sampled 6 times over a30 day window
- Samples analyzed for E. coli, fecal coliform (reduced), enterococcus, QPCR





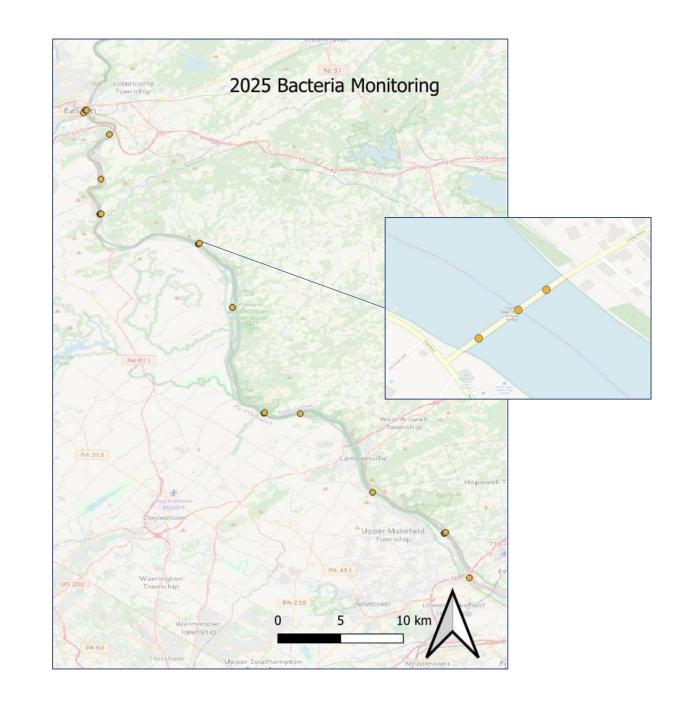
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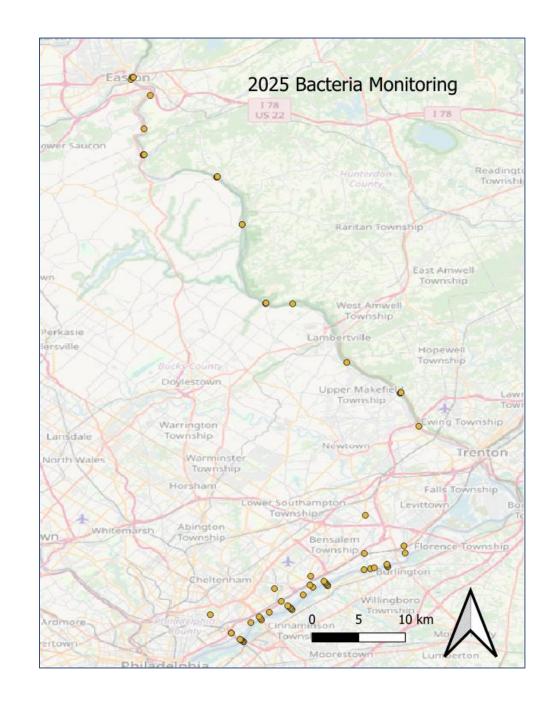
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Questions?

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