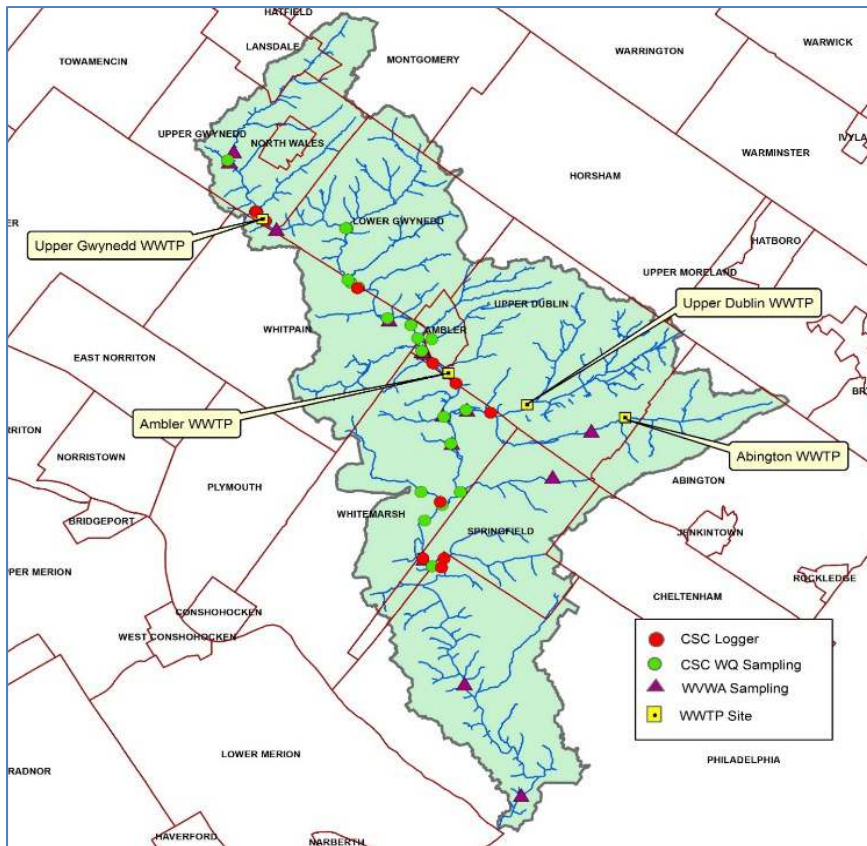


Temple CSC Suburban Cluster Monitoring Team
Laura Toran, Sarah Ledford, Robert Ryan

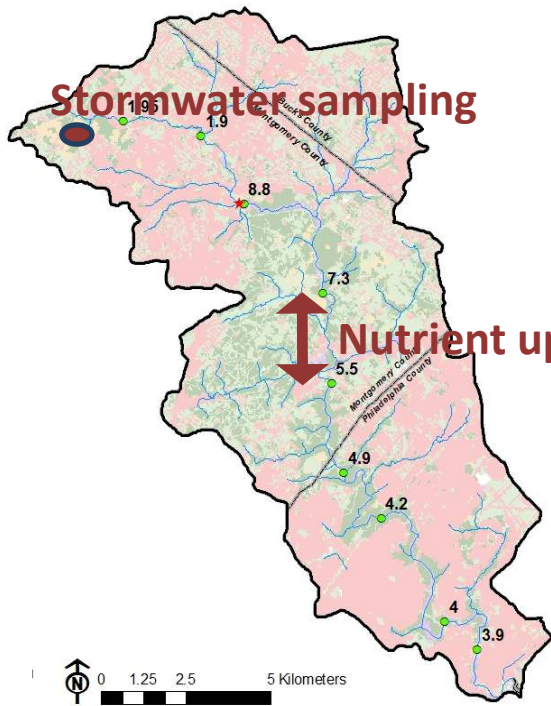
Types of monitoring

- Water level (12+) **Available for loan**
- Temperature
- Turbidity (12)
- Conductivity (12)
- DO (6)
- Dissolved Organic (2)
- Nitrate (1)
- Phosphate (1)
- Discharge
- Water quality (emphasis on nutrients)
- Some biological monitoring
- Time lapse camera **Available for loan**
- Bank pins
- Stream cross sections



Wissahickon Creek Watershed:

- Nutrient studies
 - Up and downstream of WWTPs and tributaries
- Discharge measurements
- Coordinating with hydrologic modeling

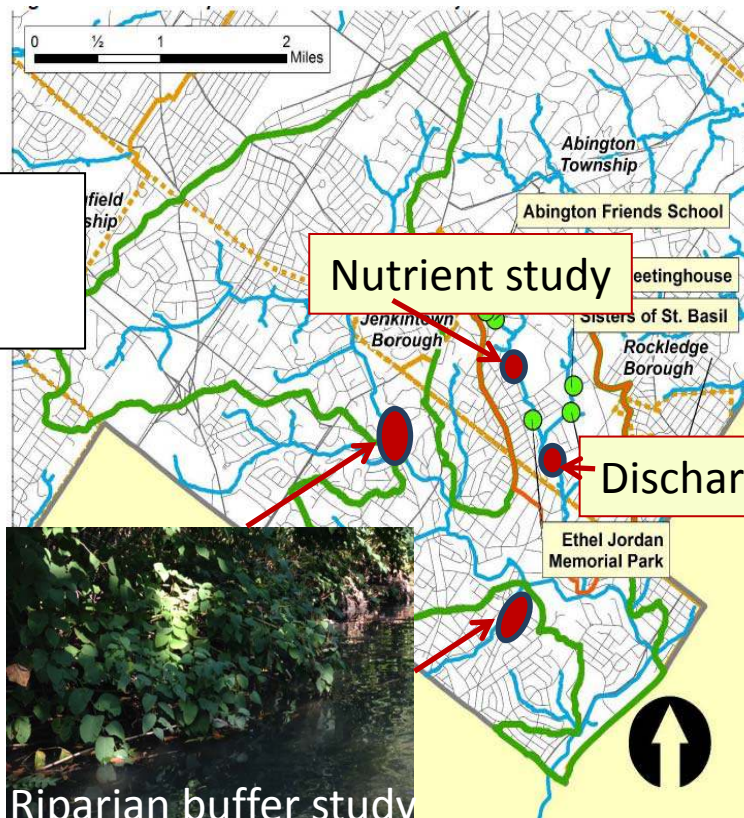


Pennypack Creek Watershed:

- Nitrate uptake throughout the main stem
- Stormwater sampling at College Settlement

Tookany Creek Watershed:

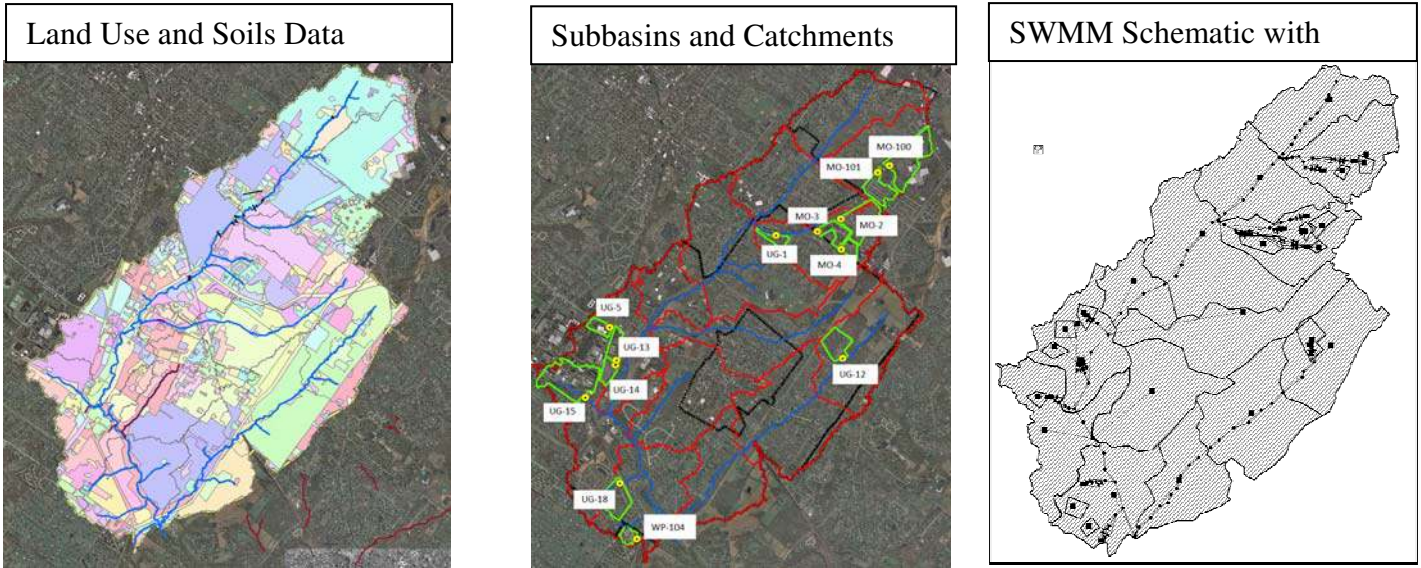
- Nutrient study
- Discharge measurements
- Riparian buffer study



TEMPLE CSC MODELING TEAM

Robert Ryan, Rick Fromuth, Manahel Soro, Sarah Ledford

Example of Modeling for Wissahickon Headwaters: SWMM was used to evaluate the effect of detention basins on pollutant loadings. These results are being compared with STEPL models, SRAT models, and monitoring data collected to calibrate models.



PROJECT ASSESSMENT TEAM

Susan Harris, Rick Fromuth, Ted Mullen

Funded projects in USPC between 2014-2015. Since early 2015, 33 project sites and 85 individual SCMs have been supported by the Temple CSC team through site assessment, concept development, planning meetings with stakeholders, and GIS support.

