

PROJECT: Quarterly Canals Bacteria

1. DESCRIPTION: Quarterly Canals and ICW Monitoring
2. PURPOSE/GOALS: To establish baseline water quality conditions Broward County, to address pollution characterized by public sewers, septic systems and stormwater pipes.
3. HISTORICAL UPDATE: Fecal bacteria data has been collected historically as part of Quarterly Canal Project. Since 2015 the lab has been certified for fecal bacteria analysis.
4. USE OF DATA: Data intended for use by FDEP for TMDL program.
5. RELEVANCE: In Broward County, 12 TMDLs in different water basins have been adopted for exceedances of fecal bacteria since 2011
6. EFFECTIVENESS: Project maintains best practices for assessing fecal pollution in ambient surface water.
7. SAMPLE SITES: Currently 35 sites as part of Quarterly Canal Ambient Surface Water Quality Network. SAMPLING CONSIDERATIONS: : All samples are collected at the sub-surface (approximately 0.5 meters). Sampling is performed with Niskin samplers on land runs or grabber devices by boat. PARAMETERS: Fecal coliform, E. coli, Enterococci
8. FREQUENCY/DURATION/SCHEDULE Current sampling occurs on a quarterly basis
9. DELIVERABLES: EML will provide a standard analytical report to Project Manager, data used for presentations and EML website.
10. SPECIAL EQUIPMENT/SUPPLIES CONSIDERATIONS: EML will support this project through the provision of sampling equipment to collect grab samples.
11. UNIQUE QA/QC REQUIREMENTS: Duplicates, Field Clean Equipment Blanks on every sampling event.
12. FUNDING/REVENUE: Broward County General Fund