





PROJECT GOAL Assess the accuracy of ISA estimation by the zoning code, its impact on the modeling of the LTCP, & identify areas of potential improvement

OBJECTIVES

- 1. Digitize all ISAs in subcatchment 202 & compare with estimates
- 2. Model actual ISA cover & percent reductions from actual to assess modeled peak flow & volume results
- 3. Perform a sensitivity analysis by increasing the level of detail in existing sewer pipes & topography

































Points of Emphasis

- Utilizing zoning for ISA estimation provides varied results, but good for initial assessment of a given watershed
- Given ISA type distribution among zoning, good indicator of possible pollutant loads
- Significant benefits associated with ISA reduction; indicating viability as part of an integrated approach in CSO Program
- InfoWorks is powerful & has capabilities to account for Green Infrastructure & greater detail in ISAs
- Increased detail did not significantly alter output, but current modeling setup lacks parameters to build upon

Going Forward

- Currently, all ISAs in the CSO service area are being digitized & modeling to be updated
- Two key areas
- Defining ISA reduction (2 strategies)
 - Physical removal & restoration
 - Disconnection
- Development of a dynamic, integrated management system
 - Tracking of post-construction BMPs
 - GIS integration
 - Modeling efforts
 - Update additions & subtractions































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