

Title: Mapping Sewer and Storm-Water Pipelines: a Case Study an a Regional Approach to Equipment Sharing

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The New Jersey Meadowlands Commission created a Cooperative Equipment Sharing Program, to help local municipalities comply with State standards addressing capacity, management, operability and maintenance of sewer/stormwater pipelines and other utility infrastructures within the Region.

This system integrates inspections and clean-up equipment with GIS surveys to map, inspect and report on storm and sewer systems, manholes, catch basins and outfalls for maintenance purposes.

The objectives of the program are to provide the following: 1) Video inspection to assess sewer and stormwater pipelines 2) Jet-clean of pipe-lines and basins 3) Archival of inspection reports and videos in a GIS database and make these accessible through an interactive interface for future consultation.

The presentation will show the types and flow of information from the time of inspection to reporting back to the towns and archiving data and reports. The presentation will also show how optimizing and organizing information flows helps the program be more effective and helps local governments save resources.

Keywords: GIS, Stormwater, Sewer Lines, Water Utilities.