

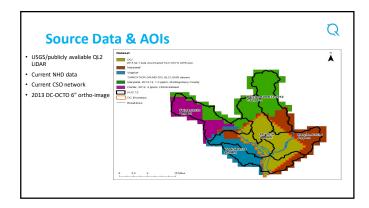


DC NHD Project Objectives

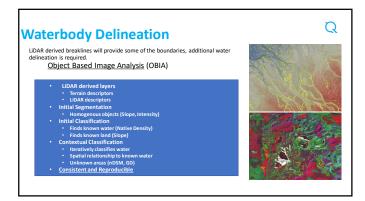
Q

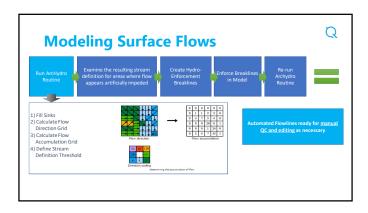
- Complete and standardize the District's portion of local resolution National Hydrography Dataset (NHD) for all HUC-12 watersheds that cover the District.
 Existing District NHD/WBD is based on old data, and is incomplete and discontinuous.
- 2. Update and standardize local resolution NHD/WBD for all HUC-12 watersheds that cover the District.
- 3. Integrate the Combined Sewer Overflow (CSO) networks into updated NHD/WBD to ensure storm water flow paths are captured and documented.

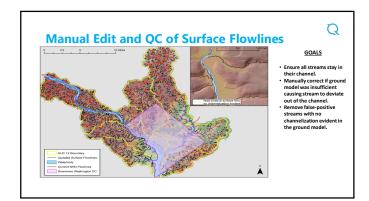
Q **Partners** • USGS • Washington DC Planning and Reporting: Water Division Office of Chief Technology Officer • DC Water

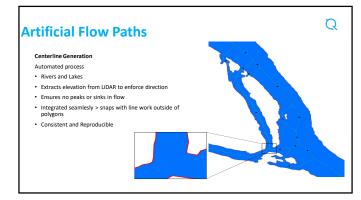


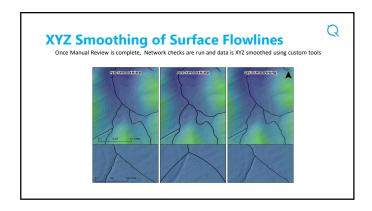
Q Task 1: Creating Local Resolution National Hydrography Dataset (NHD) for the District of Columbia

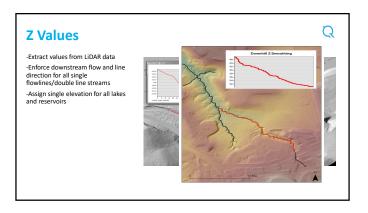






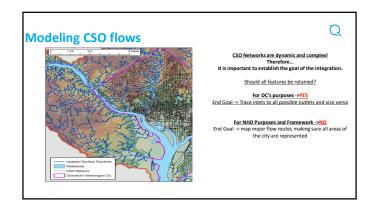




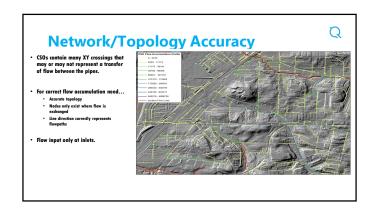


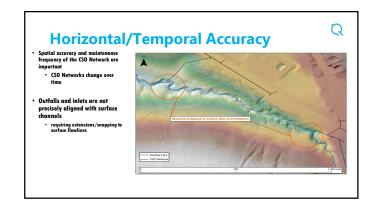
Q

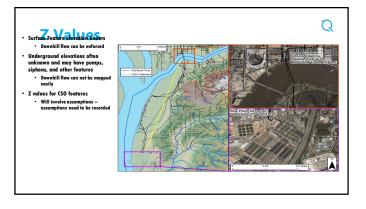
Task 2: Integration of the CSO networks (rivers/streams, outfall) into the District portion of the NHD



Important CSO Considerations It is hard to portray and maintain an accurate and consistent representation of a CSO as they are inhorently dynamic. Detailed locally supplied information is variable. The utility of an integrated network is highly dependent on the quality of the CSO network. Examples of things to assess to a CSO network. Network & Topology Accuracy Notemail and Temperal Accuracy Z volves Added attribution - completeness and utility

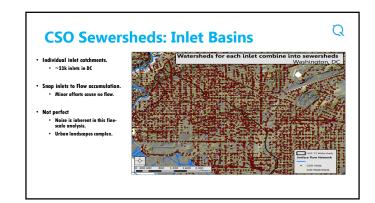






Q

Task 3: Creating Local Resolution Watershed Boundary Dataset (WBD) for all District Watersheds.



CSO Sewersheds: Network Basins - Clustering of inlets - Based on unique combination of outlets - Trace outlets through the network. - Geometric dependency - Surface flow to inlets - Individual basins for each inlet and surface flow line.

