

**Integrated Water Data Initiative**  
**Work Plan**

**Initiative Goal:** *Development and widespread use of a comprehensive and consistent surface water database for the Commonwealth:*

- Objective** – Designed as default and **authoritative water data basemap** allowing for collaboration across organization lines.
- Objective** – Spatially compatible with **current mapping** such as PAMAP imagery and LiDAR.
- Objective** – Includes man-made **stormwater infrastructure**.
- Objective** – Provides **reference basis** for regulatory and analytical studies, modeling and data.
- Objective** – Serves as the basis for **data catalog** applications.

**Initiative Approach:** *Take advantage of existing regional projects that are innovative and that either demonstrate technological advantages and improvements, or that unify or simplify management of data about Pennsylvania Water Resources. Demonstration Projects identified include:*

- Allegheny National Forest Flow Accumulation Models
- Lancaster County MS4/Stormwater Data Integration
- New Jersey Hydrologic Data Development Experience
- IMAPS Data Modeling and File Management Study
- USGS “Assessment of Business Requirements and Benefits of Enhanced Water Data”
- Digital Integration of Permit Data Elements
- GeoDesign of River Towns’ Futures
- Urban Green Infrastructure Benefits Analysis
- SRBC Cumulative Water Use and Availability Study
- Headwaters Wetland Mapping/Database
- Stormwater Authority – Taxation models based on BMP’s
- State Forest Stream Data Enhancements
- USGS Streamstats Data Sensitivity Study
- PA Fish and Boat Commission Anecdotal Study of Operational Limitations of NHD

**Note:** Active projects are in black text and potential projects are in gray text.

**Organization and Analysis:** Given the scope and complexity of the Initiative, our main strategy is to leverage existing activities to gain knowledge and build interest in Integrated Water Mapping and Data Management. Project analysis will be oriented to three broad aspects as described below, and focus on generalizing the results statewide. Each team should gain some information from or contribute knowledge to each Demonstration Project. Ideally, each team will have a member involved with each demo project.

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| <ul style="list-style-type: none"> <li>• <b>Project Scoping and Cost Estimating Team</b><br/><a href="mailto:mbialousz@pa.gov">mbialousz@pa.gov</a></li> </ul> | <p><b>Team Lead – Mike Bialousz</b></p>   |
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**Join Us!**