



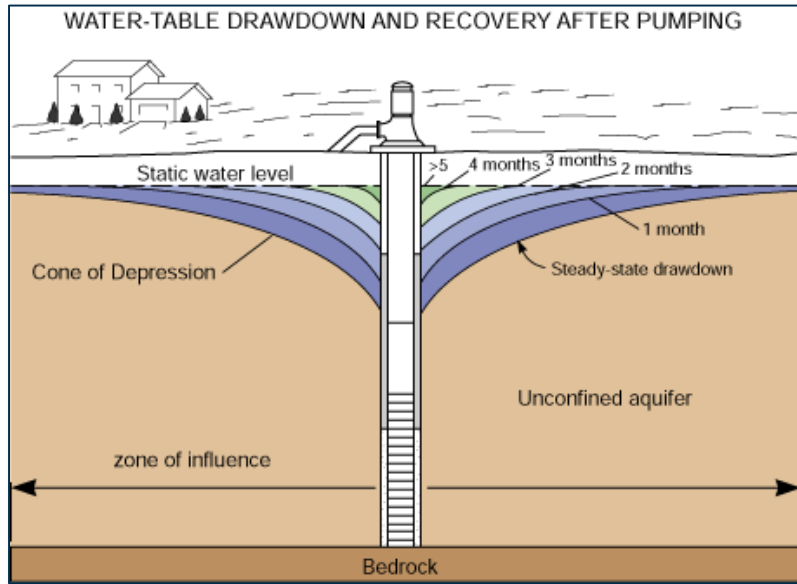
County-Level Water Planning
Indiana Water Summit

August 21, 2024

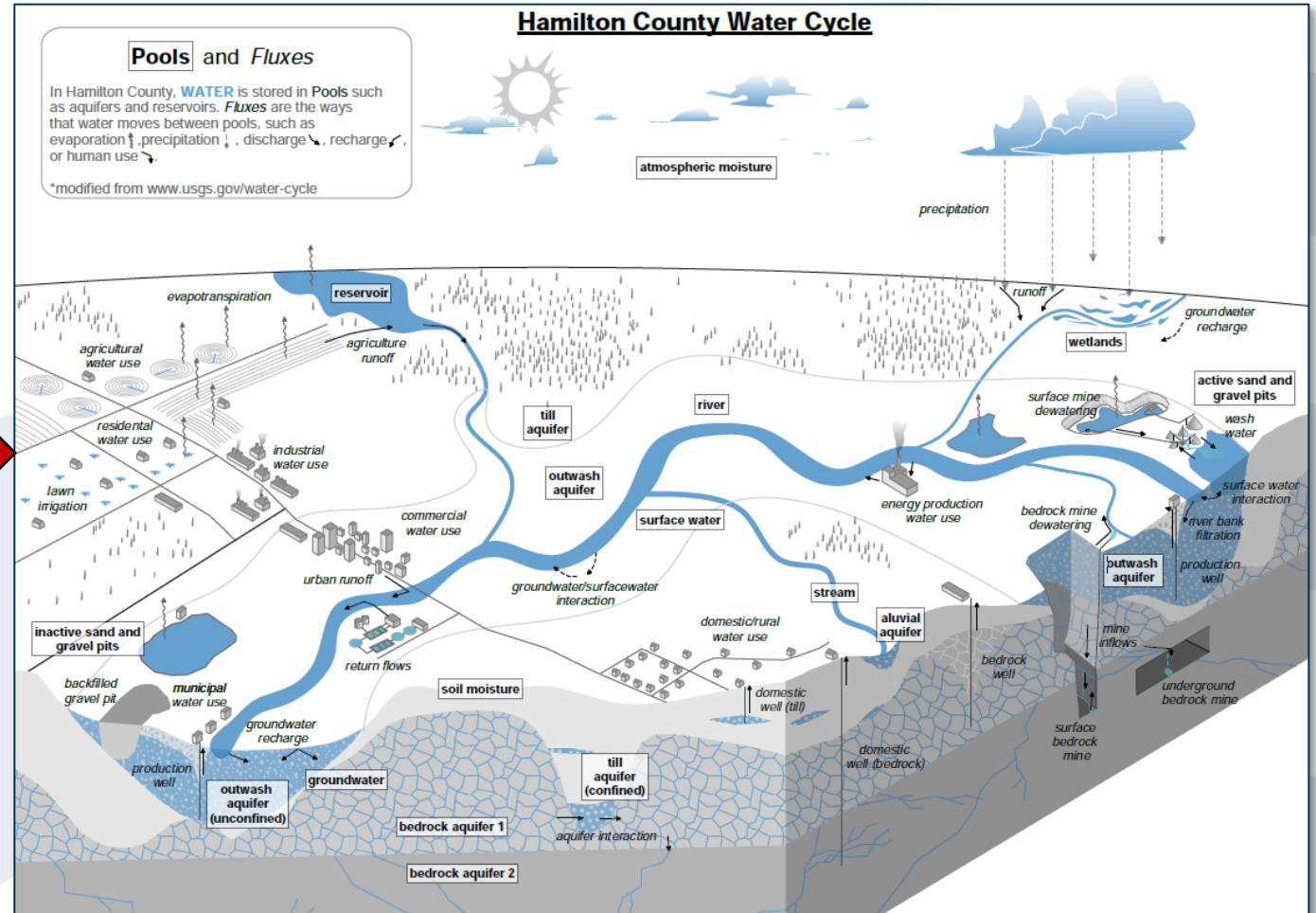


Water Supply Problems Have Changed

Local



Regional

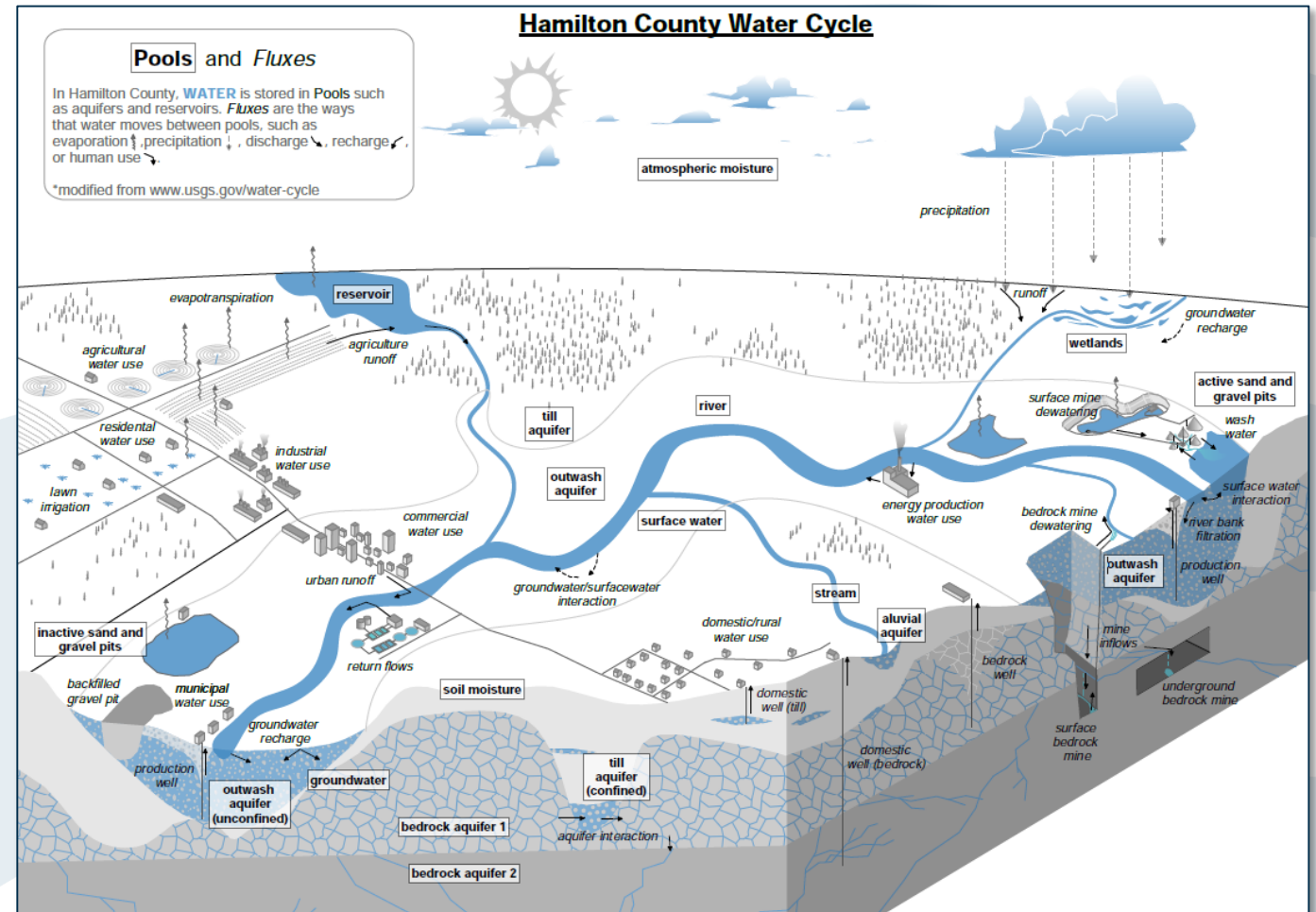


Water Supply Problems Have Changed

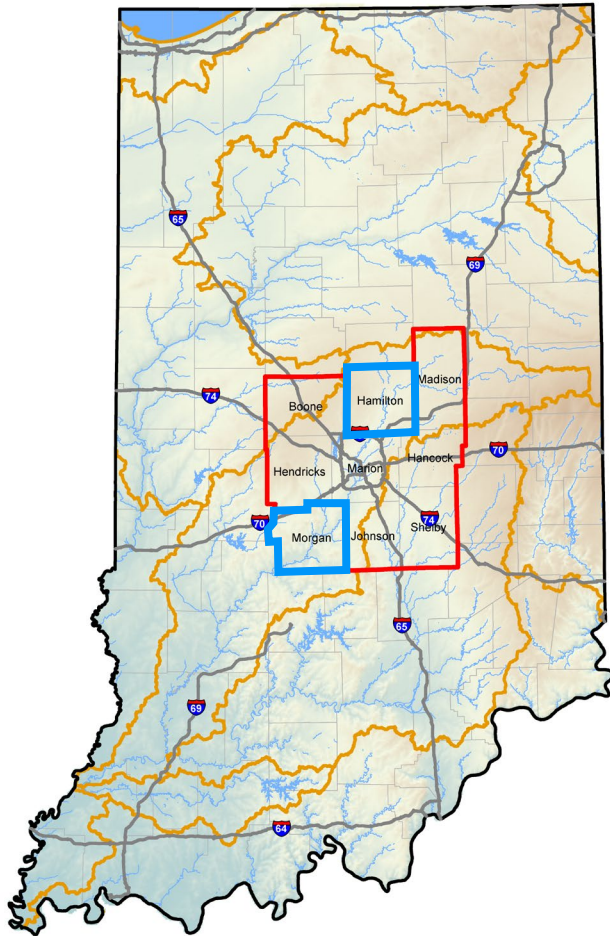
Regional

Growth and development affect regions:

- **Questions:** How much water is available for use in the basin?
- **Studies:** Regional analysis of water budget to define system.
- **Data:** Measure flows into and out of each sub-basin to define excess.
- **Solution:** Identify locations for monitoring and potential development.



County Planning



2021

2024



**Questions/
concerns
identified**

**Hydrologic
Analysis &
Monitoring
Network**

- 3D geologic model
- Water budget analysis
- Water quality
- Installation of water level monitors

**Facilitate
stakeholder
engagement**

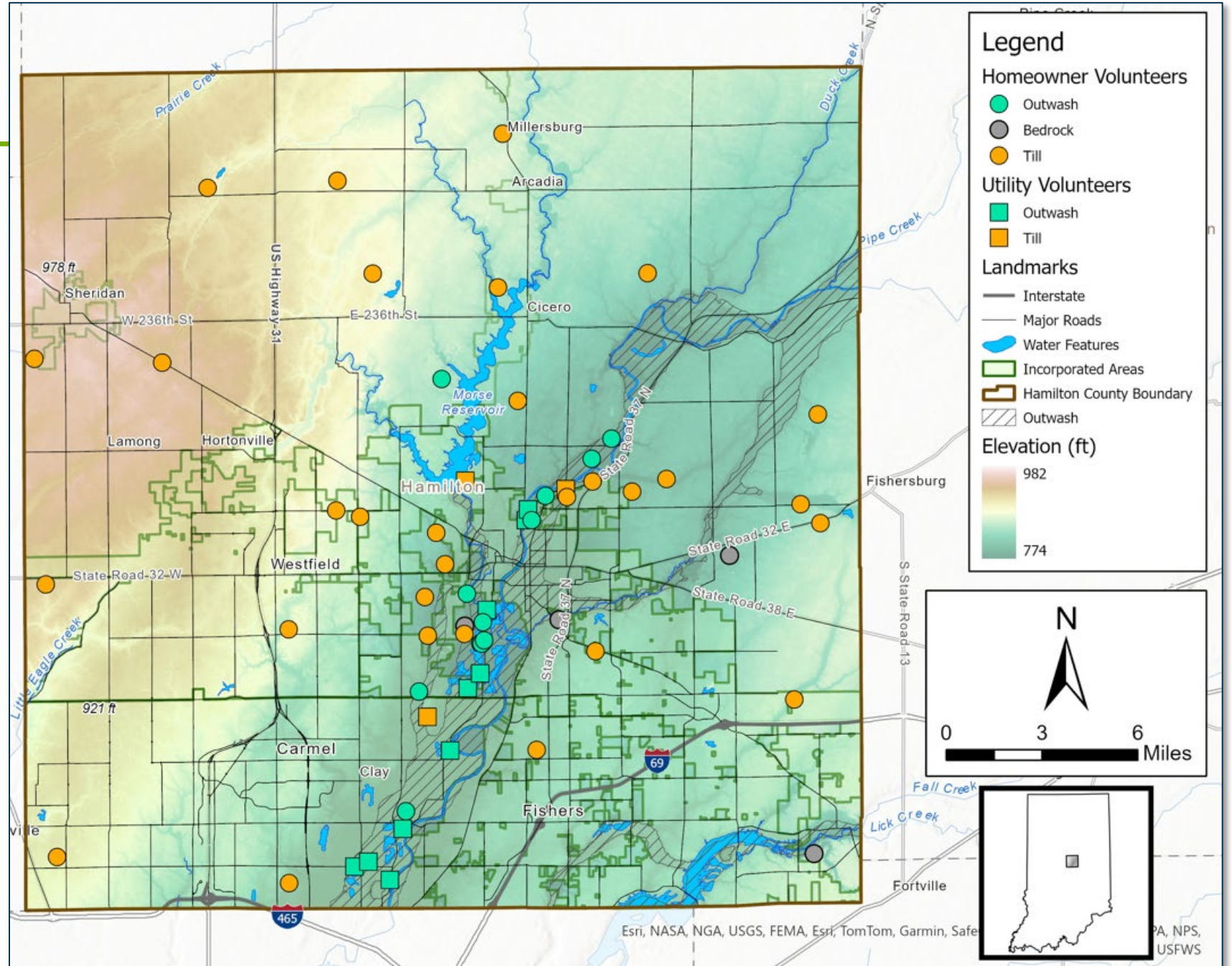
- Utilities
- Agriculture
- Mining industry
- Domestic users
- IDNR
- Health Department
- County

**Water status
dashboard**

- Integrated database for public use
- Continued monitoring
- Continued stakeholder engagement

**Stakeholders
coexist while
supporting
growth**

Hamilton County Water Study

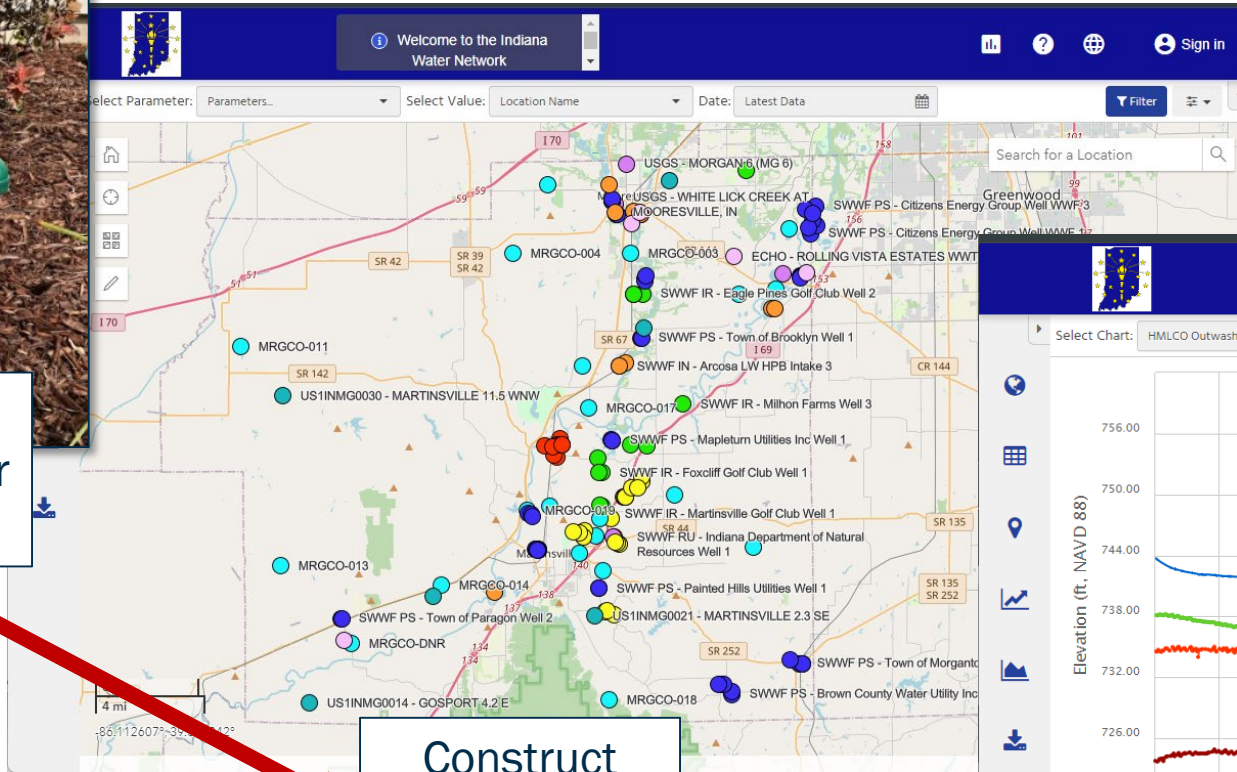


HAMILTON COUNTY
INDIANA

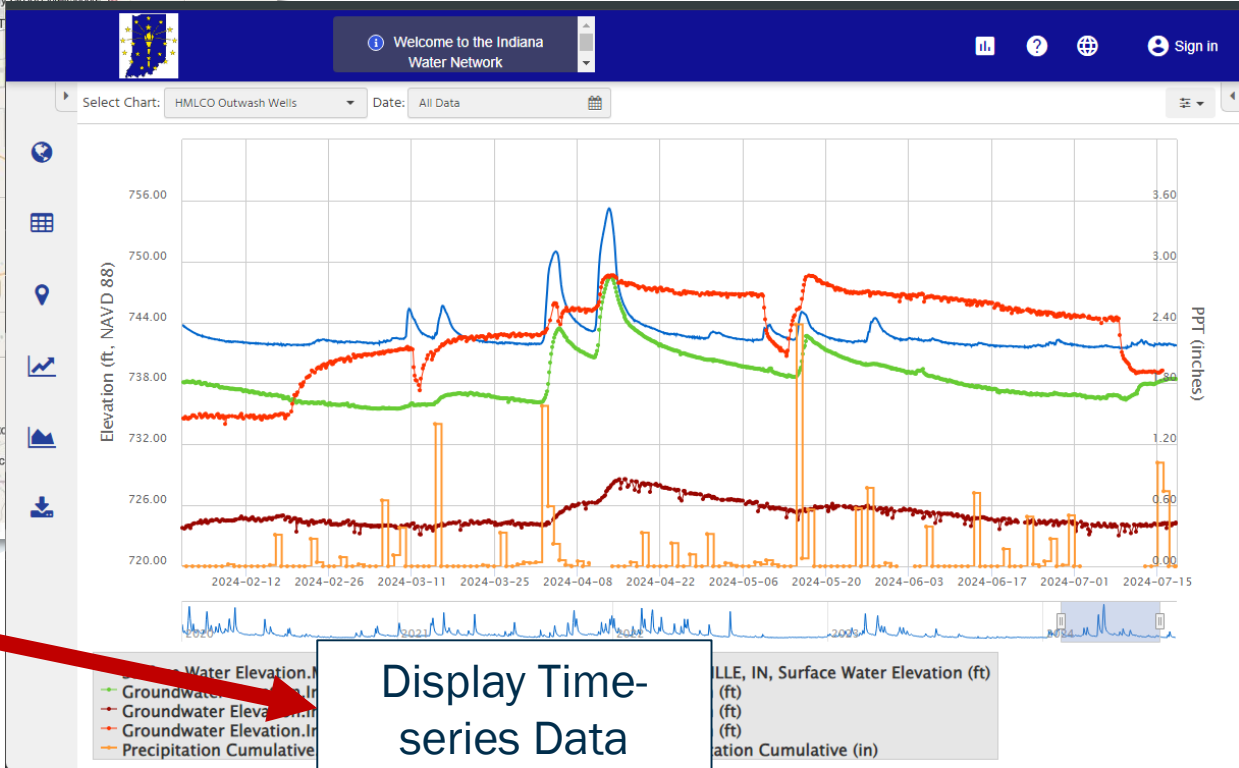
Monitoring Network & Dashboard



Install Homeowner Sensors

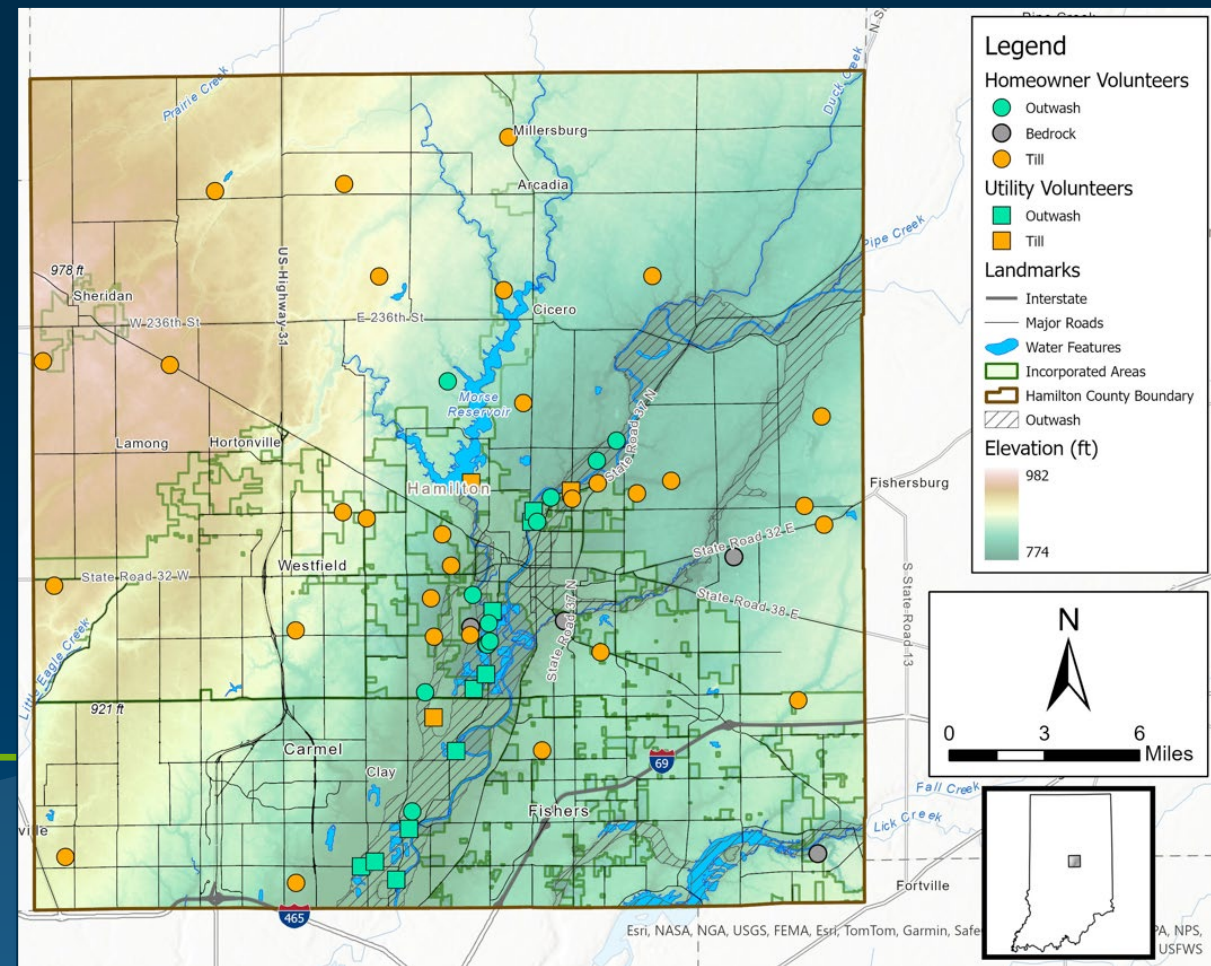
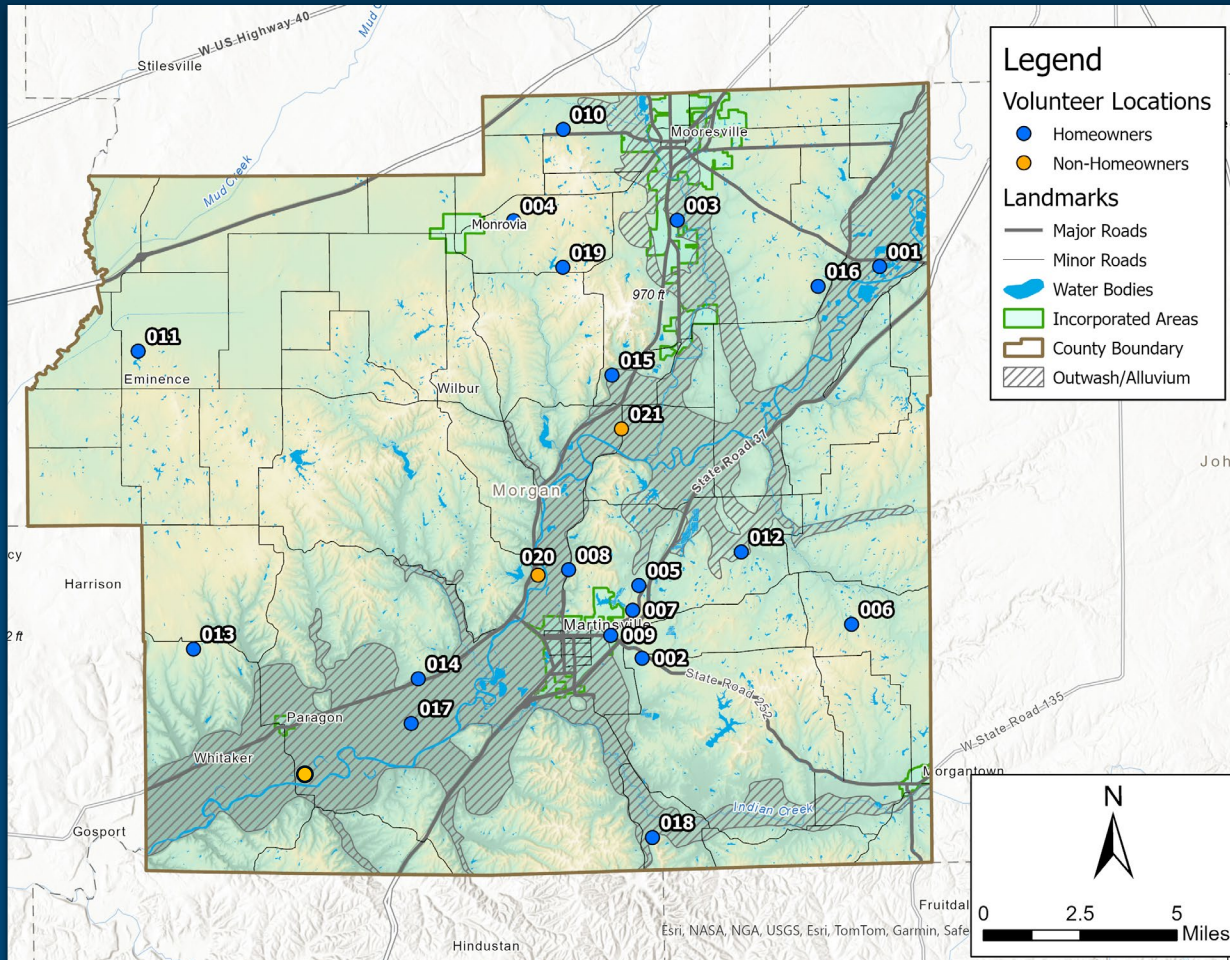


Construct Public Data Dashboard



Display Time-series Data

Hamilton County



Morgan County



<https://bit.ly/countydashboards>

Water Study Goals & Benefits

1. Promote **collaboration** between all stakeholders and water-users
2. Create a common understanding of **water availability**
3. Develop a tool that makes new and existing hydrologic data available in a **single location**, simplifying data review and assessment
4. Provide insight into **regional trends** and **local impacts**
5. Provide data and information that can **guide growth** and **protect** water resources in the long-term

Questions?

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