

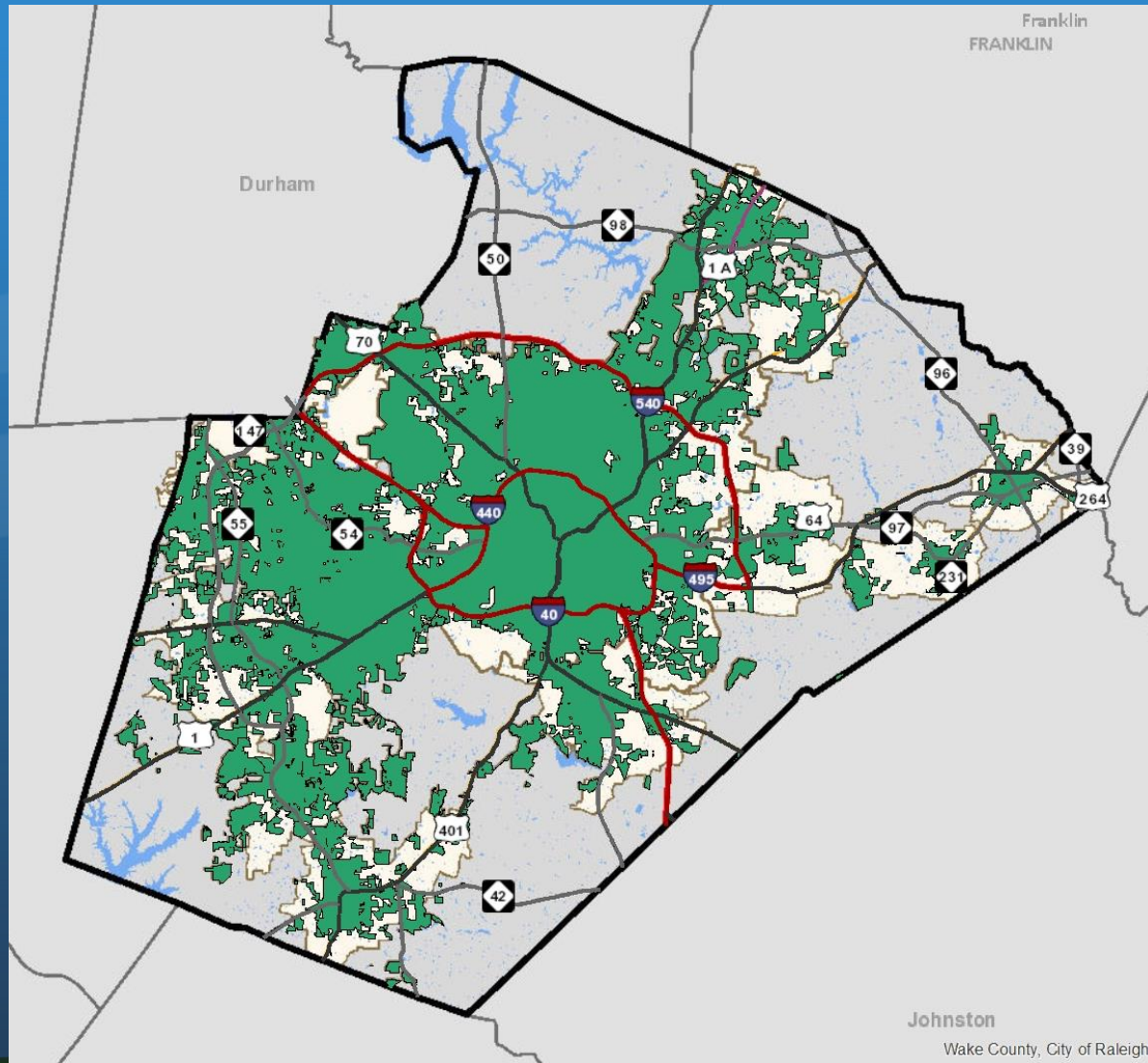


# Groundwater Management Program Overview

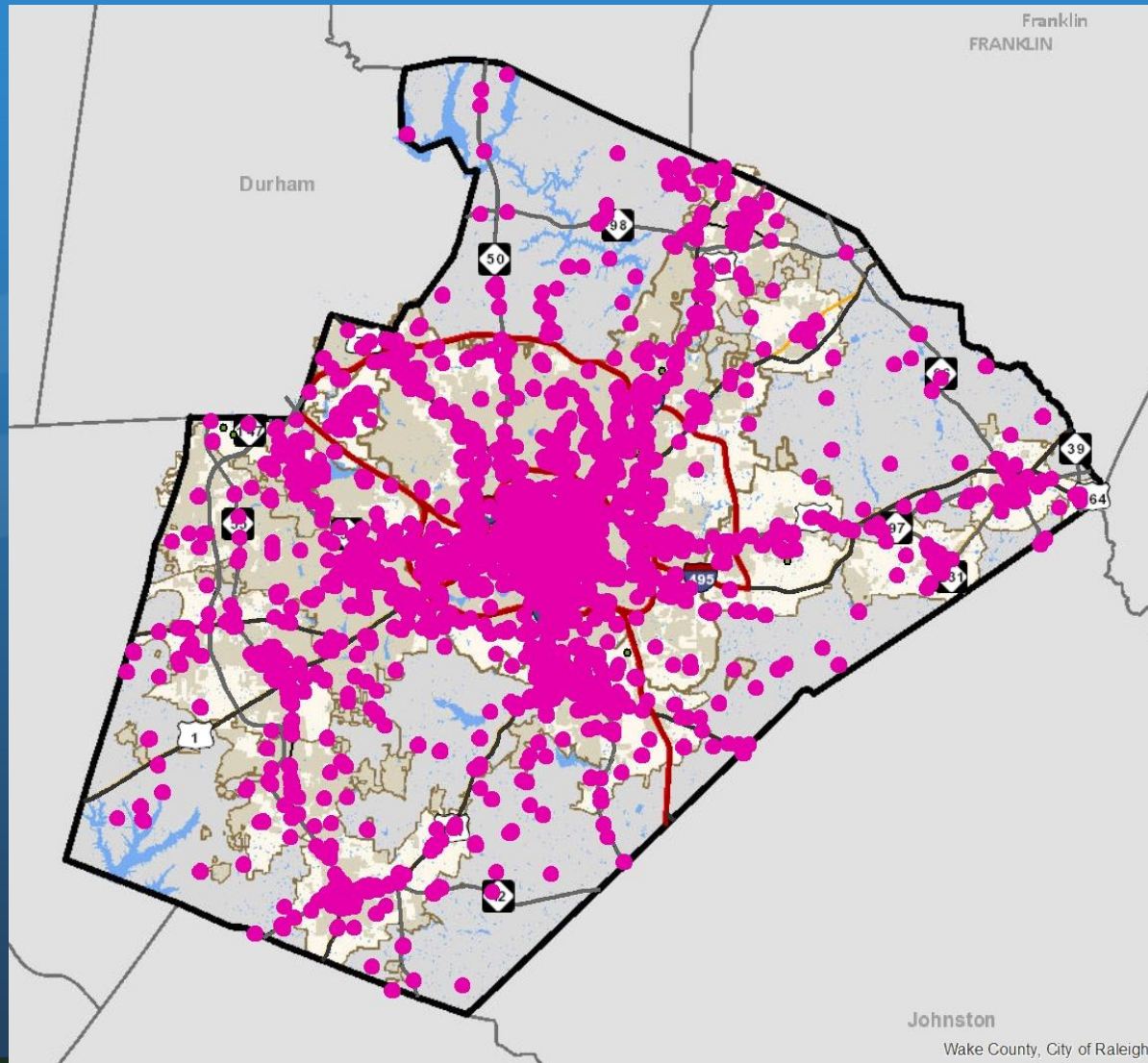
GLUE Committee Meeting  
*September 12, 2016*



# ~110,000 to 140,000 private well users



# ~2,300 Known Contamination Sites



# Key Components of the Wake County's Private Well Program

- Permitting & testing of new wells
- Technical assistance
- Risk-Based Assessment



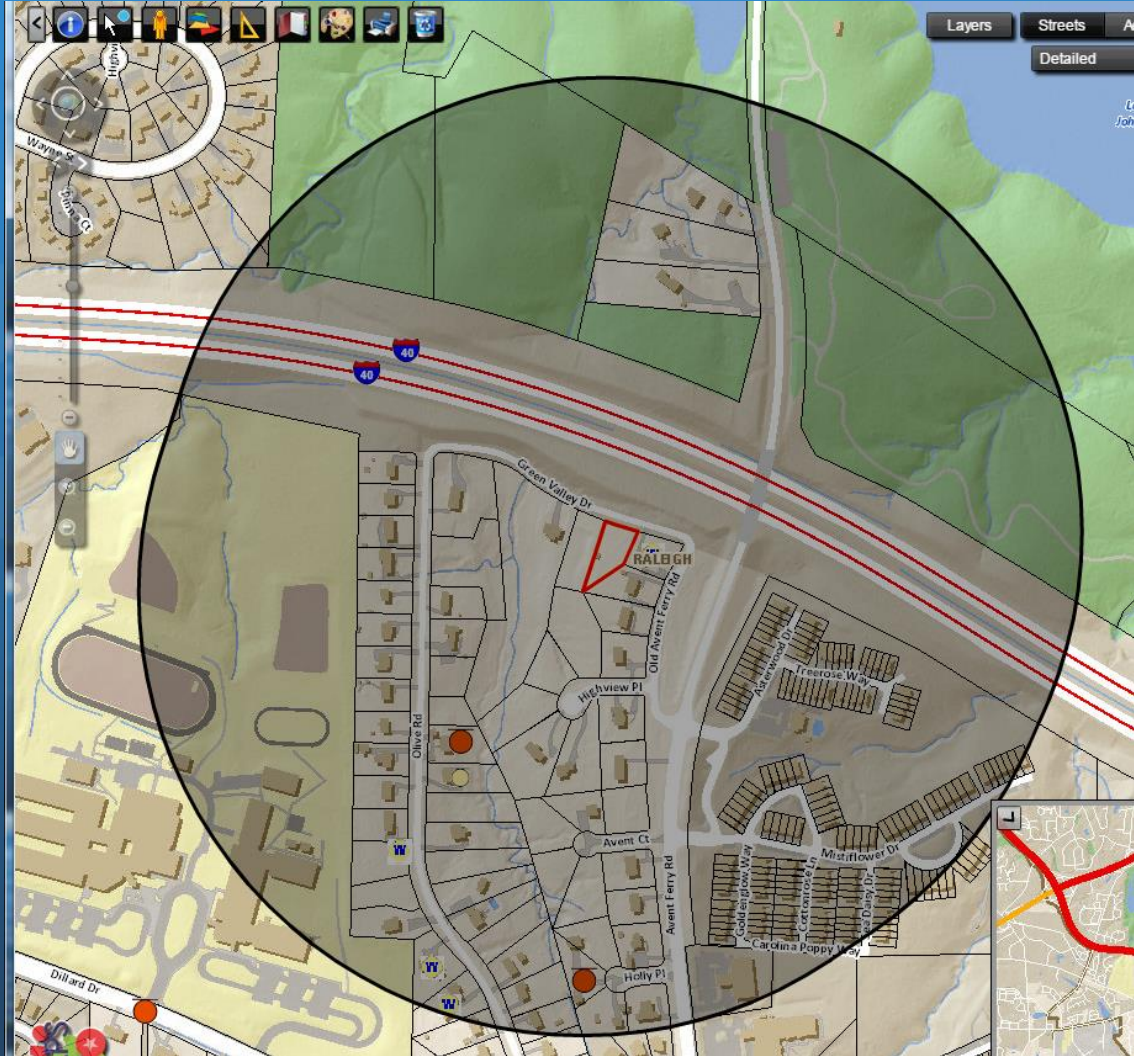
# Permitting Program

- Permitting new private wells since 1987
- Current requirements:
  - Siting and construction rules
  - Grout inspection
  - Bacteria & inorganics testing
  - Certificate of Occupancy depends on clean well test

# Permitting

Contamination  
Source Review  
on all new well  
permits

Additional testing  
required within  
1500 ft of known  
contamination  
sources



# Technical Assistance

## Well maintenance questions



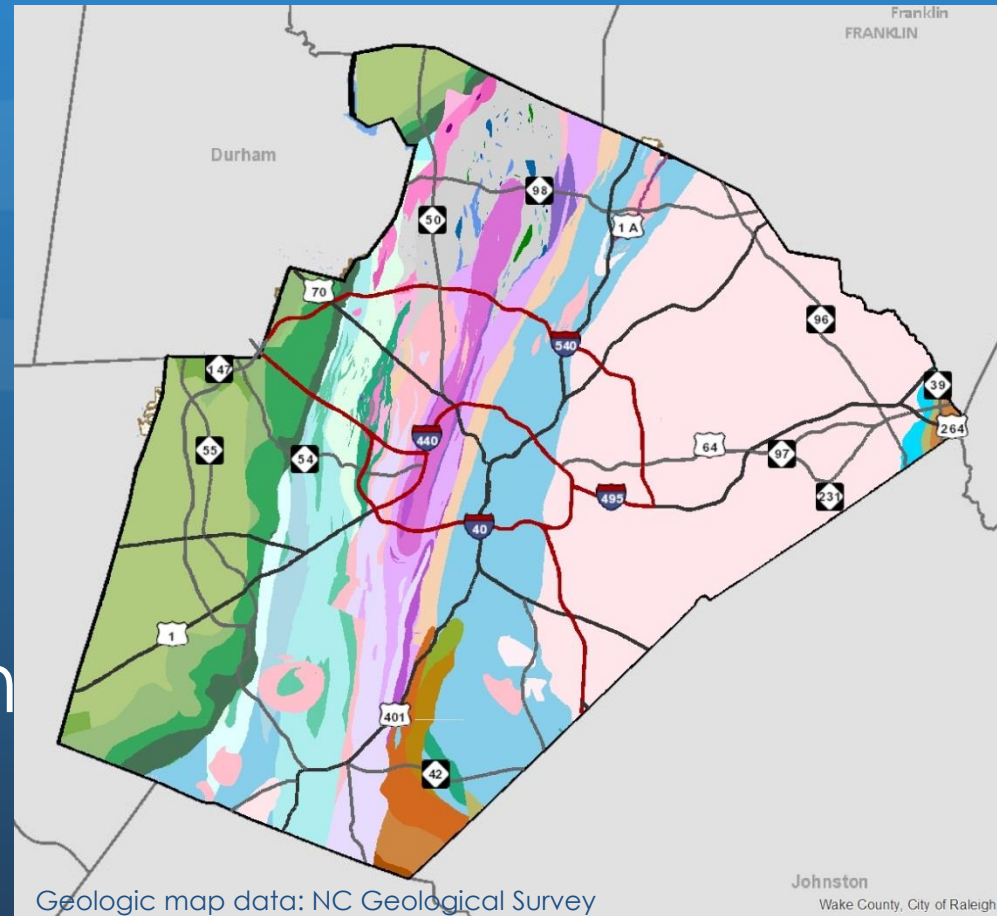


# Technical Assistance

Choosing test parameters

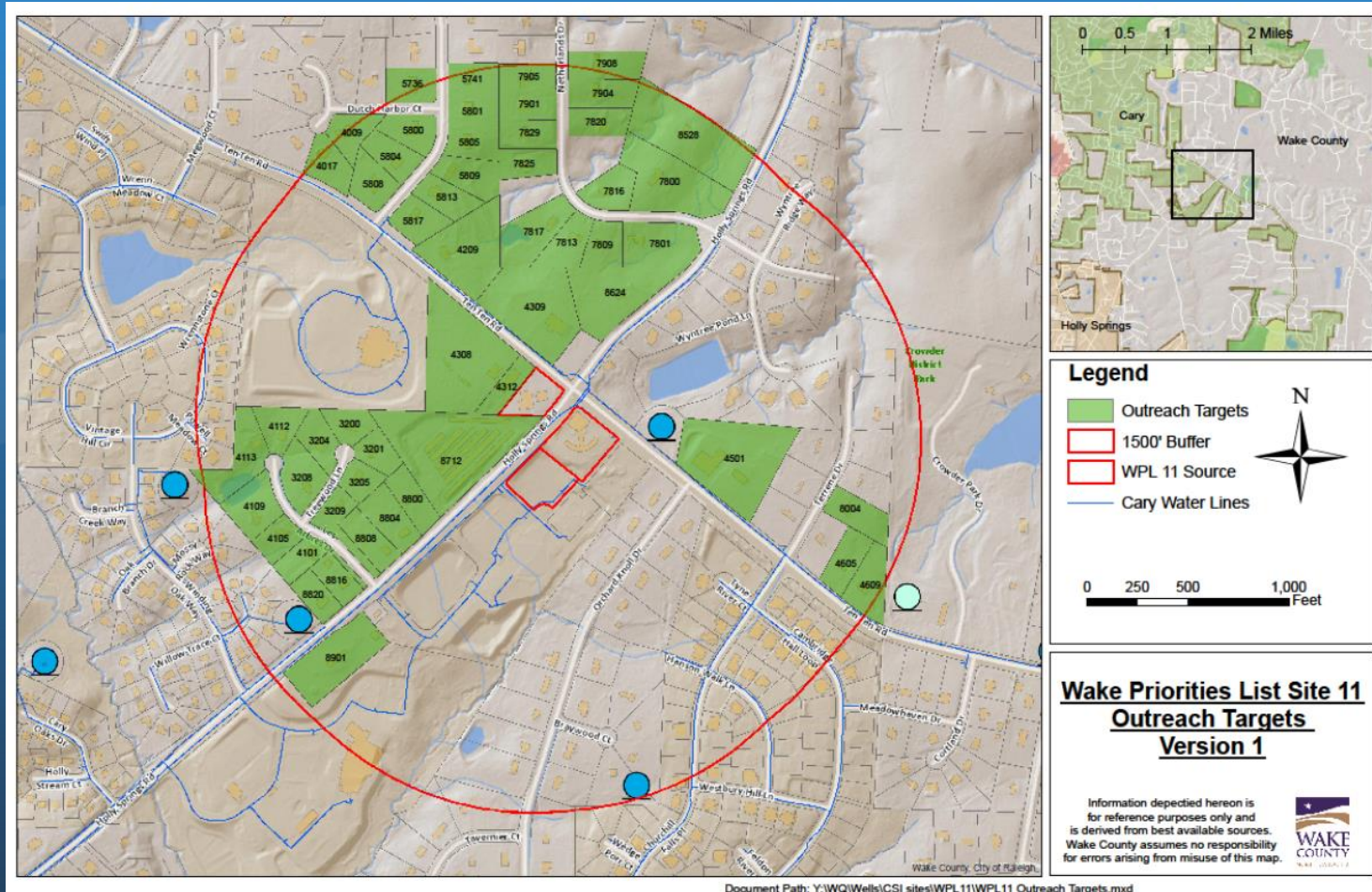
Understanding test results

Selecting mitigation options



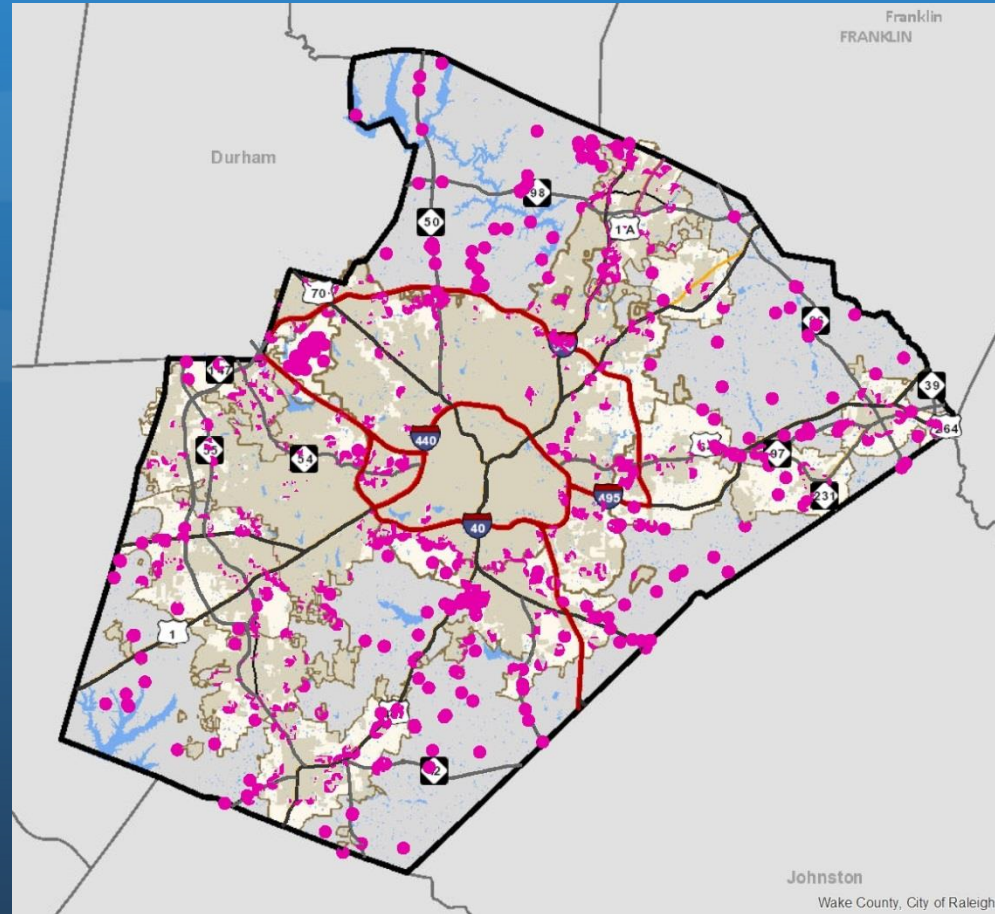


# Risk-Based Assessment: “Wake Priorities List”



# Risk-Based Assessment

- ~400 WPL outreach areas
- Decades to reach all
- Two aspects:
  - Discovery
  - Mitigation



# Next Steps: Risk-Based Assessment

- Prioritization model for outreach
- Assessment and outreach for legacy pesticides and naturally-occurring contaminants
- Recurring notification of well users



# Next Steps: Program Improvements

- Review of well ordinance
- Implementation of new state mandates for well permitting

# Discussion