Wake County One Water Update

June 10, 2019





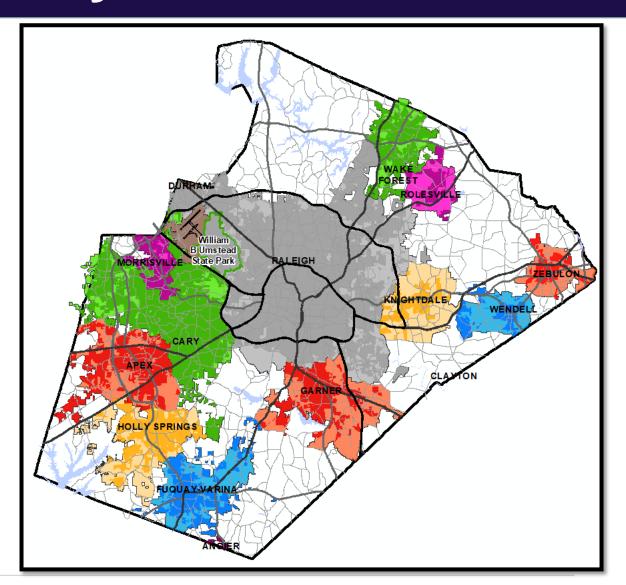




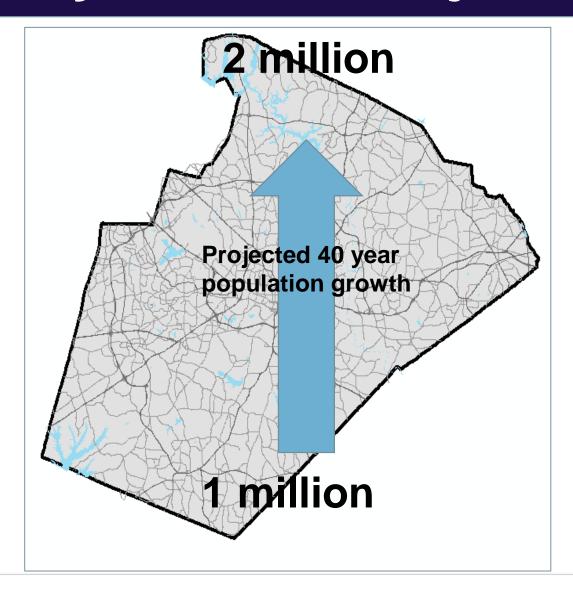
Growth and Sustainability Goals

Objective GS3: Address quality and quantity issues associated with water resources.

- Create a One Water "50 year Supply Plan" for Wake County
- Plan for sustainable and resilient supply of clean drinking water for all residents



Wake County Growth Projections



One Water Study Overview

Phase 2-Integrate Surface Water & Groundwater

United States Geological Survey (USGS)

Independent consultant

Establish groundwater monitoring network

Combine local water supply and groundwater supply data

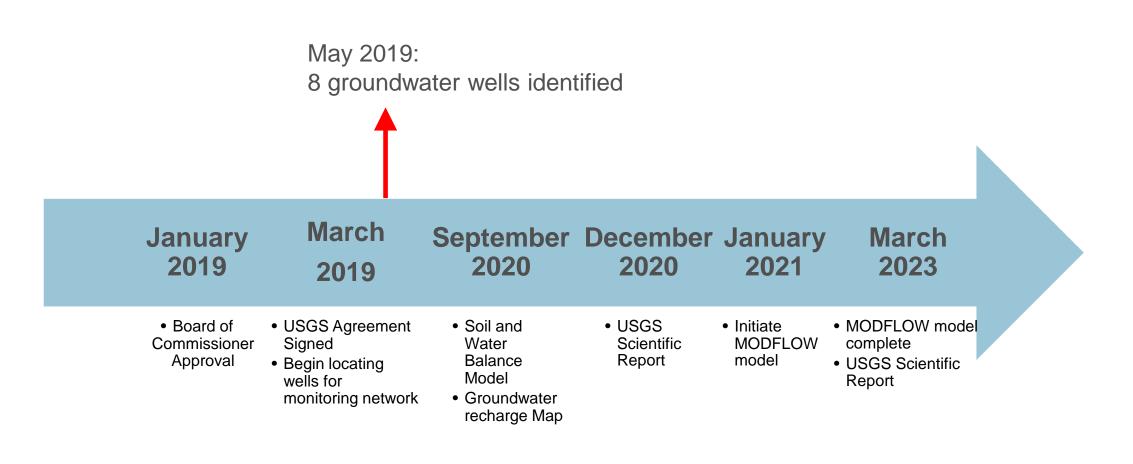
Develop groundwater model

Develop 50-Year Water Supply Plan

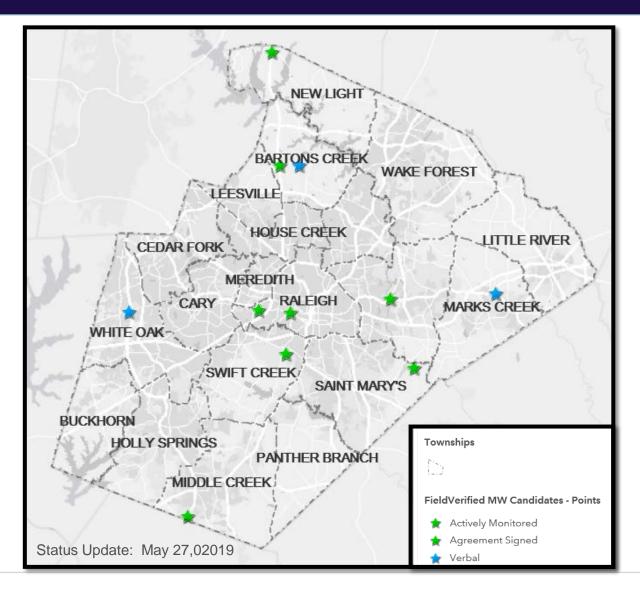
Years 1-5

Years 5-8

Phase 1 -Timeline



Groundwater Network Mapping



Inter-department Collaboration

Parks, Recreation and Open Space

Groundwater monitoring network

Southeast Park Planning

Wake County Public School System

Green Schools Symposium

Green stormwater infrastructure

Groundwater monitoring network

PlanWake

Water quality priorities

Water Partnership survey

Human Services

Green stormwater infrastructure

Green infrastructure and health linkages

External Collaboration













TOWN of CARY | NORTH CAROLINA

Falls Lake Reallocation

Reallocation of water supply to meet City of Raleigh drinking water demands through 2047

Wake County recognized by Raleigh City Council, March 2019



Green Schools Partnership

WCPSS coordination on sustainability

Environmental literacy linkages

Pilot project opportunities



62016 CHILDREN & NATURE NETWORK

Urban Tree Canopy Collaboration

City of Raleigh

Town of Cary

Triangle J Council of Governments

Conservation Trust of NC

NC Dept. of Environmental Quality

Town of Chapel Hill

City of Durham

Wake County

WakeUP Wake County

WAKE COUNTY

Urban Tree Canopy Benefits

Stormwater management

Nutrient infiltration

Thermal regulation

Air quality

Carbon sequestration

Quality of life



Take Aways

Wake County Water Partnership is advancing a **One Water** approach to water resources in Wake County through:

Collaborative planning for the future of water supplys

Information sharing on innovative approaches to water resource planning

Establishing partnerships to implement green stormwater infrastructure

WAKE COUNTY