

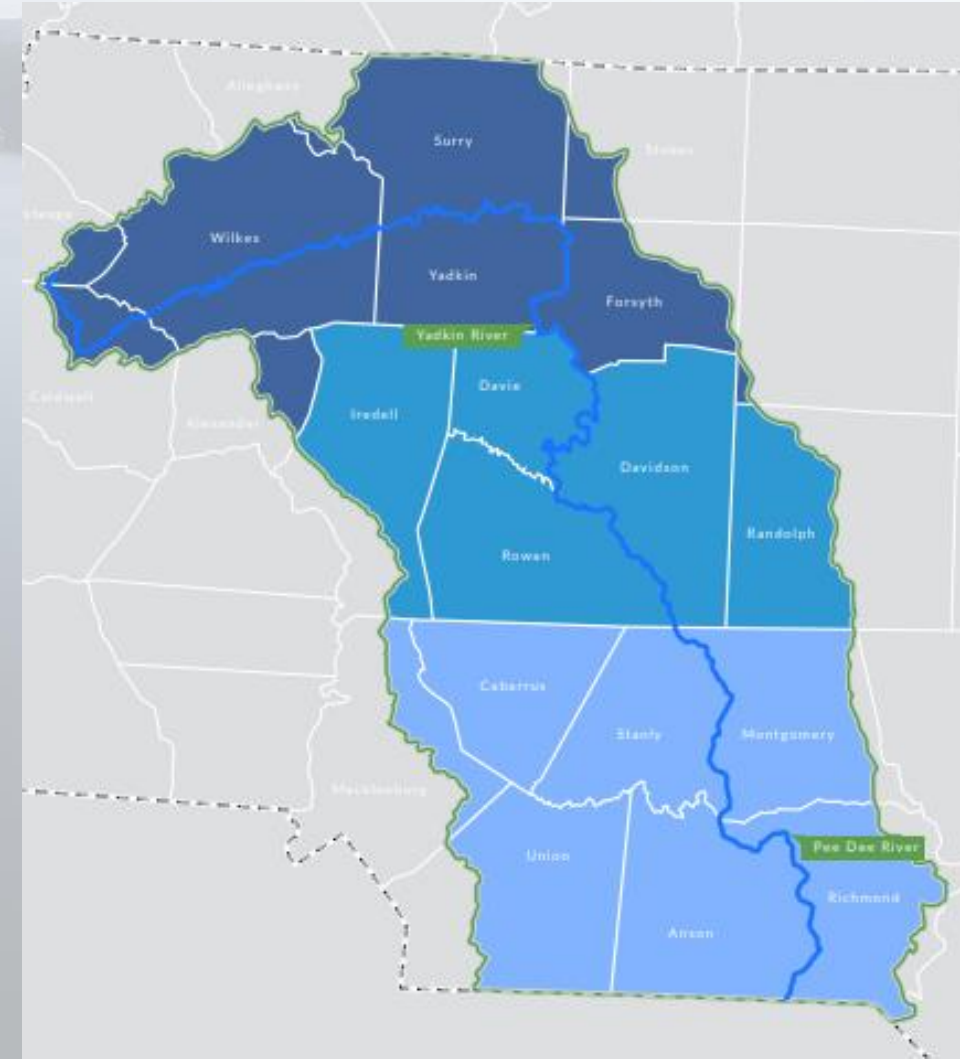


Yadkin-Pee Dee Water Management Group Overview

Aubrey Lofton, YPD-WMG Chair
Pee Dee River Basin Council Meeting
August 23, 2022

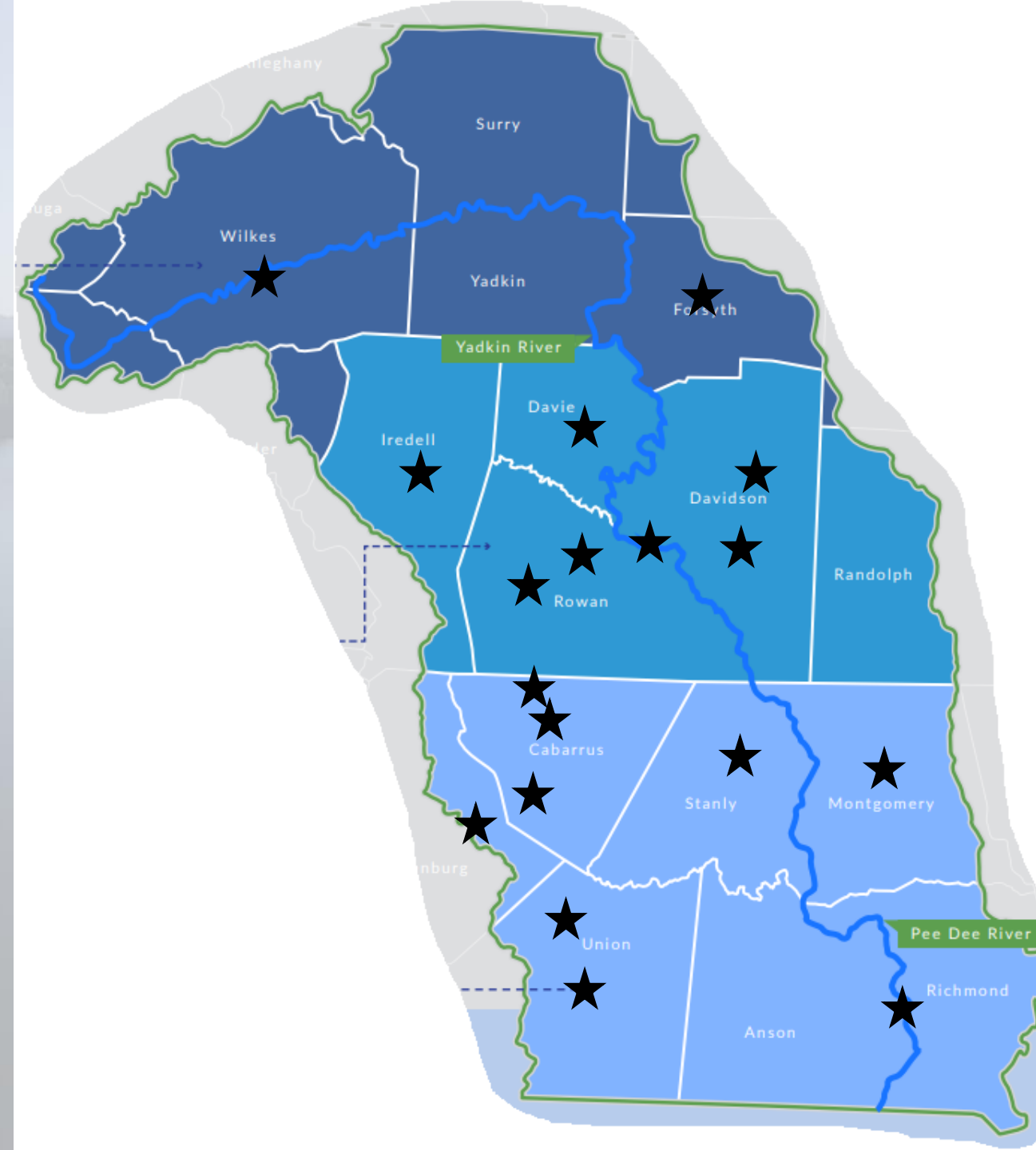
What is the Yadkin-Pee Dee WMG?

- Formed in 2016 by MOU, renewed MOU in 2021 through 2026
- Purpose is to enhance welfare of Yadkin-Pee Dee residents by jointly planning sustainable use of water in basin
- Yadkin-Pee Dee basin stakeholders only
- Focus is on surface water resources
- 18 members - made up of water utilities, governments & reservoir operators
- Bi-monthly meetings, open to the public



Who are our members?

- Albemarle
- Charlotte
- Concord
- Cube Hydro
- Davidson County
- Davidson Water
- Davie County
- Duke Energy
- Kannapolis
- Monroe
- Montgomery County
- Rowan County
- Salisbury
- Statesville
- Union County
- Wilkesboro
- Winston-Salem
- WSACC



What are YPD-WMG's goals?

- Comprehensive and collaborative regional planning
- Effective management of the river basin
- Optimize water supply resources
- Facilitate broad support and a unified regional voice for water supply needs
- United regional approach to drought response

Timeline of what we've been up to

- 2016 – Formed and recruited members
- 2017 – Summarized member drought response plans, changed dues structure for small organizations
- 2018 – Began work on Water Resources Plan and coordinating basin model with NC-DEQ
- 2019 – Stakeholder outreach, formed of stakeholder advisory group, and updated basin demand projections
- 2020 – WRP work continues
- 2021 – WRP work continues, evaluated org/dues structure, renewed MOU until 2026
- 2022 – WRP work continues, access to DEQ model, revisions to bylaws to move to non-profit

2018-2022 Strategic Activities

- Hydrologic Model Update/Development
- Basin wide Water Demand & Wastewater Return Forecast
- Baseline Hydrologic Conditions Analysis
- Coordinated Regional Drought Response Planning
- Water Resources Plan

What are we working on right now

- Water Resources Plan – modeling 5 scenarios in Phase 1
 - Baseline
 - Drought reduces supply
 - Increase in sedimentation decreases reservoir storage and/or restricts intakes
 - W. Kerr Scott Reservoir revised flow protocol
 - Increased population growth within the region, which increases demand
- Incorporating to 501(c)(3) by 2023 to improve grant opportunities
- Increasing dues to allow faster progress on strategic plan
- Expanding membership

A quick mention of the YPDRBA

- Yadkin Pee Dee River Basin Association
- Formed in 1998 in anticipation of TMDL development
- Advocacy group dedicated to preserving and improving water quality in the Yadkin-Pee Dee River
- Focuses on water quality in the basin and conducts limited research and restoration activities as resources allow
- Many organizations are members of both YPD-WMG and YPDRBA
- Have had a few joint meetings to update each group on activities

How can we collaborate in the future?

- Want to hear what you're concerned about
- Planning more reach-out to other SC utilities just before pandemic shut down
- YPD-WMG will be attending all RBC meetings virtually or in person
- Would appreciate having RBC send a rep to YPD-WMG meetings
- Open to sharing our data and modeling results

An aerial photograph of a large, calm lake. The water is a deep blue, reflecting the clear sky. The shoreline is densely forested with green trees. In the distance, a range of low mountains or hills is visible under a bright, clear sky. The overall scene is peaceful and scenic.

Questions?