

Albemarle RC&D

RESOURCE
CONSERVATION
& DEVELOPMENT



Gatesville Town Park

The Town of Gatesville replaced boardwalk decking and railing, added a new metal roof to the picnic pavilion, and installed a new kayak launch at its park on Bennett's Creek with a grant from the Public Beach and Coastal Waterfront Access Program. The ARC&D provided technical support.

2020 – 2021 Annual Report



The Albemarle Resource Conservation and Development Council, Inc. (ARC&D) is a 501c3 non-profit organization that assists local governments and community groups in northeast NC with projects that protect land and water resources while promoting economic development.

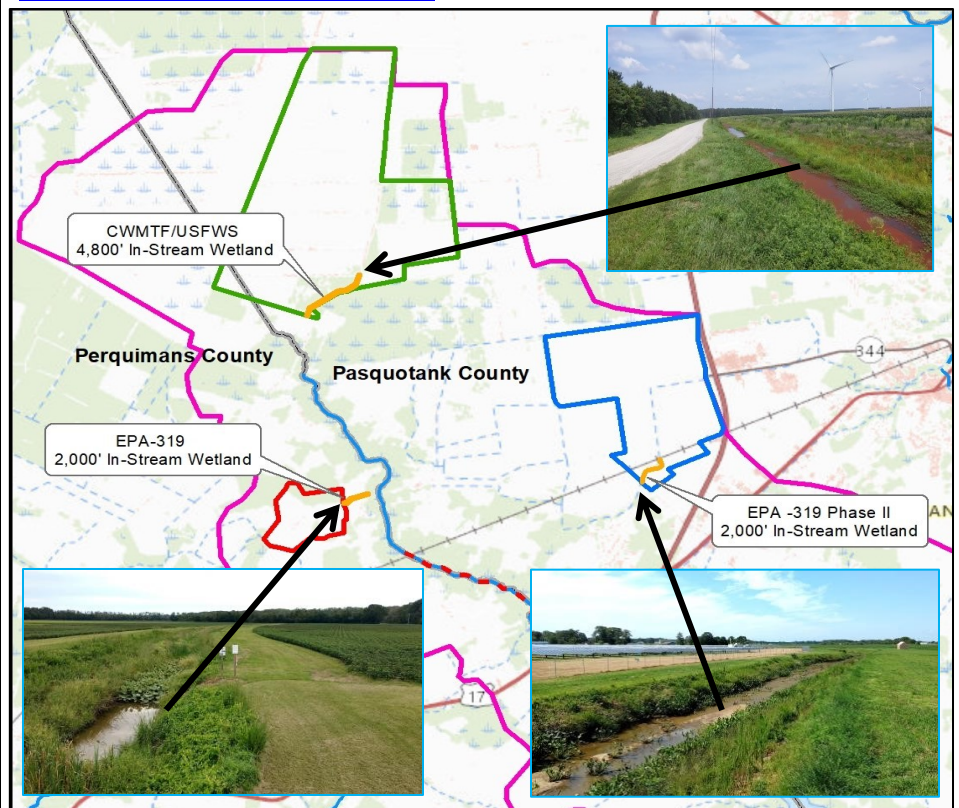
Since 1972, ARC&D has partnered with our 10 counties to complete over 525 projects that continue to make the Albemarle Region a great place to live and work.

Each \$1.00 invested by local governments or communities in ARCD-assisted projects has returned an average \$4.93 in value!

The ARC&D proudly serves the people of Camden, Chowan, Currituck, Dare, Gates, Hyde, Pasquotank, Perquimans, Tyrrell & Washington Counties.

Partnership to Restore the Little River Watershed

Farmers, ARC&D, Pasquotank and Perquimans Soil and Water Conservation Districts (SWCD), and Perquimans and Pasquotank counties have partnered on three projects since 2016 to construct 8,800 ft. of in-stream wetlands on main drainage canals above the impaired section of the Little River. These wetlands are filtering nutrients and sediment that are contributing to poor water quality and algal blooms in the river. The partnership leveraged over \$700,000 including grants from the [Clean Water Management Trust Fund](#), [US Fish and Wildlife Service Partners for Fish and Wildlife](#), and [EPA 319 Program](#). [Read more – PDF 2 page fact sheet.](#)



For more information on Albemarle RC&D Council programs and services:

www.albemalercd.org – albemalercandd@yahoo.com – facebook.com/albemalercd – (252)-482-4127 x3266

Snapshots of 2020-2021 Albemarle RC&D Council Projects

*Wisely Conserving Natural Resources * Creating Jobs * Strengthening Communities*

Completed Projects

Regional - Albemarle Water Quality Protection and Water Management Planning, CWMTF, \$67,500

Perquimans and Pasquotank counties - Little River Watershed Restoration Phase II In-Stream Wetland, EPA 319h, \$158,650

Pasquotank County – Pasquotank River Public Access Improvement Phases II, III. Public Beach and Coastal Waterfront Access Program, \$93,335, \$88,611

Gates County – Town of Gatesville Bennett’s Creek Park Renovation, Public Beach and Coastal Waterfront Access Program, \$41,000

On-going Projects

Pasquotank County – Pasquotank River Public Access Improvement Phase IV. Public Beach and Coastal Waterfront Access Program, \$99,917

Albemarle Plantation Marina Breakwater & Dredging, estimated \$500,000

Tyrrell County Goat Neck Shoreline and Drainage Stabilization, est. \$300,000

Grants Written

Perquimans County Recreation Center Tennis Courts, \$131,200

Hyde County Engelhard Far Creek Boardwalk Renovation Project Phase I, \$100,833

Tyrrell County Scuppernong River Park Renovation Phase III, \$86,800

Algal Blooms in Albemarle Waters Planning Phase II, multiple grants, \$455,172

2020-2021 Financial Summary

Completed Project Value: \$449,096

On-Going Project Value: \$899,917

Grants Written: \$774,005

Total Direct Revenue: \$123,931

Total Direct Expenses: \$84,162

Ending Balance: \$39,769

Pasquotank River Boardwalk Renovation

Pasquotank County completed phases II and III of the boardwalk project, which renovated approximately 1,500 ft. of boardwalk trail behind the College of the Albemarle in Elizabeth City. The project was funded by a Public Beach and Coastal Waterfront Access grant and matching funds from the College of the Albemarle Foundation. The ARCD Council provided design, grant writing, and construction support. Sawyer Residential and Marine Construction completed the repairs.



Studying & Addressing Algal Blooms

A broad partnership of the ARC&D, [Albemarle Commission \(AC\)](#), [Chowan-Edenton Environmental Group](#), [Green Saves Green](#), [Perquimans County Waterway Watch](#), Soil and Water Conservation Districts (SWCD), state agencies, local governments, [UNC Institute of Marine Sciences](#), and NC State University is monitoring water quality in rivers and creeks in the region to determine and address the sources of nutrients, mainly nitrogen (N) and phosphorus (P), that are contributing to the algal blooms. Key findings from the 2017-2020 regional algal bloom planning project are summarized below.

Chowan River Basin

- Chlorophyll-*a* is increasing—nutrient loading from VA is low, but is high in the main stem of the Chowan River in NC.
- Organic N is generally increasing; nitrates are lower; ammonium is low and stable.

Pasquotank River Basin

- Total phosphorus and organic N are increasing in the Little River.
- Many tributary creeks in the region are showing relatively high Total P.

Region Wide

- Small, unassessed coastal streams could contribute up to 40% of the nutrients to the Chowan River and Albemarle Sound.
- Cyanobacterial N₂ fixation may be a significant source of internal N loading and hence should be considered in parallel with N loading from tributaries.

The phase I regional planning and research effort was funded by a grant from the [Clean Water Management Trust Fund](#), and matching funds from the AC, Chowan, Pasquotank, and Perquimans SWCDs, and the many volunteer citizen scientists who donated time to collect water samples. For more information: www.albemarleacd.org/fighting-algal-blooms.html