

Agricultural Water Resources Assistance Program

North Carolina Soil and Water Conservation Commission,
North Carolina Department of Agriculture and Consumer Services Division of Soil and Water Conservation
Local Soil and Water Conservation Districts

How AgWRAP Works

Soil & Water Conservation Commission:

- Approves eligible practices
- Sets policy and costs
- Allocates funding

Division of Soil & Water Conservation:

- Advises the Commission on technical standards & administrative procedures
- Provides engineering and technical assistance
- Approves AgWRAP contracts and payments

Local Soil & Water Conservation Districts:

- Market the program to landowners and operators
- Prepare conservation plans, contracts and invoices



Agricultural Water Resources Assistance Program (AgWRAP)

AgWRAP was established through S.L. 2011-145 to assist farmers and landowners in doing any one or more of the following:

- Identify opportunities to increase water use efficiency, availability and storage;
- Implement best management practices (BMPs) to conserve and protect water resources;
- Increase water use efficiency;
- Increase water storage and availability for agricultural purposes.

Public Benefits of AgWRAP

- Reduces competition for water resources by public users
- Improves the efficient use of water while enabling the industry to produce food, fiber and other agricultural products
- Prepares the agricultural industry to weather future droughts
- Generates and protects local jobs in agriculture and agribusiness



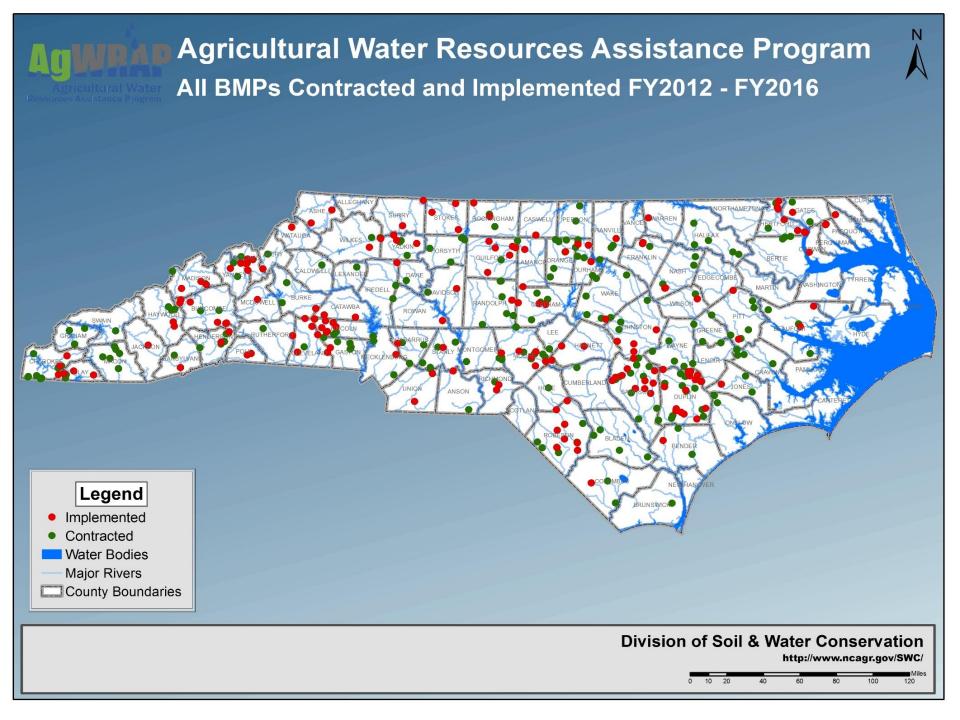
Best Management Practices

- Agricultural Water Supply/Reuse Pond
- Agricultural Pond Repair/Retrofit
- Agricultural Pond Sediment Removal
- Agricultural Water Collection and Reuse System
- Baseflow Interceptor (streamside pickup)
- Conservation Irrigation Conversion
- Micro-Irrigation System
- Water Supply Well

AgWRAP Best Management Practices FY2012-FY2016

BMPs	Contracted	Installed	Total
New ponds	\$843,497	\$494,276	\$1,337,773
Pond repairs/retrofits	\$517,036	\$153,627	\$670,663
Pond sediment removal	\$180,037	\$78,449	\$258,486
Conservation irrigation conversion	\$0	\$2,278	\$2,278
Micro-irrigation system conversions	\$40,672	\$22,513	\$63,185
Baseflow interceptors	\$11,743	\$15,191	\$26,934
Water supply wells	\$343,162	\$400,841	\$744,003









Water Supply Wells





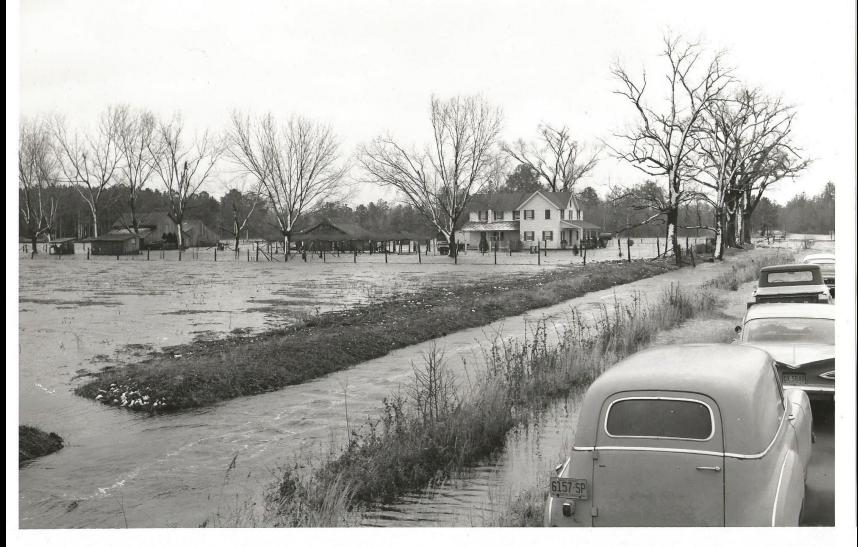
I would like to compliment the engineers, soil scientists, Chatham Soil and Water Conservation, and others involved in my pond planning and construction.

Not only were they diligent and knowledgeable in their jobs but also pleasant and courteous in their demeanor. It was a pleasure working with them.

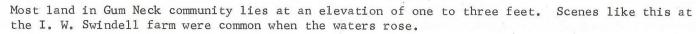
The AgWRAP is a great service for agriculturalists especially here in Chatham County where water can become scarce!

Wynn Dinnsen, Chatham County

NORTH CAROLINA DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES









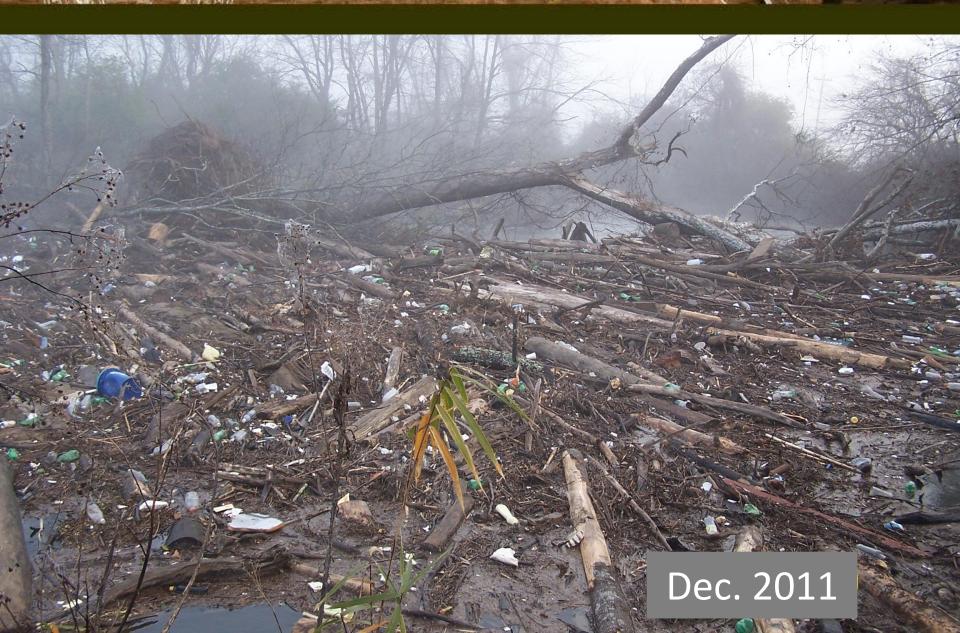




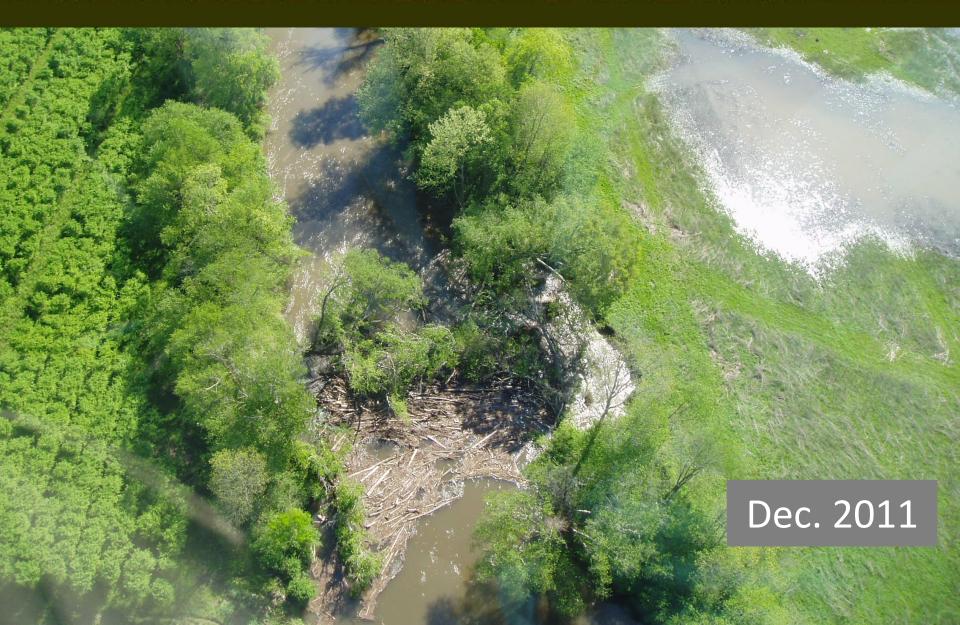












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Tornado Damage Bertie County April 2011

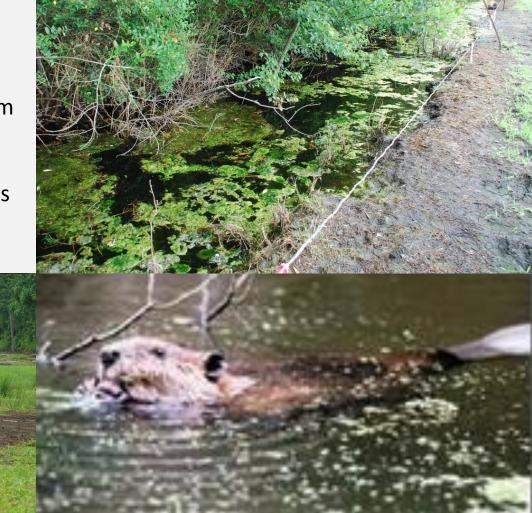
Hurricane Irene Damage Chowan County August 2011

Stream Debris Removal Project

- Streams/drainage channels blocked from storm debris from Hurricanes Irene, Sandy and Arthur; tornadoes and ice storms
- \$850,000 in two DEQ Division of Water Resources grants, plus \$120,000 in watershed improvement funds
- Over \$3.75 million requested
- Funds awarded to 11 conservation districts, 7 counties, 4 drainage districts, 2 municipalities
- Over 375 miles of stream affected

Drainage issues are very complex & impacted by a combination of factors including:

- Multiple landowners
- Changing land uses
- Maintenance of existing drainage systems
- Challenging weather patterns, storm frequencies and intensities
- Beaver activity
- Lack of available technical resources to determine drainage patterns at watershed and/or regional scale



Swine Buyout Program



- Established in aftermath of Hurricane Floyd
- Funded by CWMTF (4 grants \$18.7M)
- Eligibility: active swine farms in 100 yr. floodplains
- Bought out 42 operations
 - Capacity to produce 59,200 hogs
 - 103 waste lagoons decommissioned
 - 1,218 acres included in conservation easements
- 138 farmers have applied for the program



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