



Wake County One Water Plan Implementation Strategy

December 16, 2025

 **ONEWATER**
WAKE COUNTY

Contents

Introduction	1
Focus Area Implementation Strategies.....	1
All-Inclusive Implementation Strategy	2
Focus Area #1 <i>Water Supply Optimization Summary</i>	3
Focus Area #2 <i>Site-Specific Strategies to Improve Water Quality and Hydrology</i>	13
Focus Area #3 <i>Land Conservation and Preservation</i>	26
Focus Area #4 <i>Flood Resilience</i>	29
Funding	35

Introduction

Wake County assessed the resiliency of water resources, including groundwater, stormwater, surface water and wastewater under the pressures of growth and weather extremes for the Wake One Water Plan. In collaboration with the Wake County Water Partnership and subject matter experts, the County used information gained through the water resource assessment to develop a suite of action strategies that it shared for public review and input. The resulting strategies are grouped into four interconnected “focus areas” of One Water practices that align with the County’s One Water and PLANWake goals:

- **Focus Area 1: Optimized Water Supply.** Managing the County’s water supply by protecting groundwater resources, conserving and reusing water, and strategically expanding water resources. This supports a sustainable water supply to promote business growth and protect residents’ health and well-being.
- **Focus Area 2: Site-Specific Strategies to Improve Water Quality and Hydrology.** Implementing green and blue infrastructure, nature-based solutions and a range of alternative nutrient-reduction strategies. This can provide broad benefits that will minimize water pollution in the County’s waterways and mitigate high-flow events that lead to localized flooding.
- **Focus Area 3: Land Conservation and Preservation.** Preserving undeveloped, natural open spaces and agricultural land. This helps sustain important ecosystem services, such as floodwater absorption and groundwater infiltration and recharge, and provides opportunities for recreation and connection with nature.
- **Focus Area 4: Flood Resilience.** Mitigating flooding and protecting public safety through infrastructure solutions that provide more storage, conveyance and/or protection.

The Wake County Water Partnership will lead the implementation of the Wake One Water Plan through the workgroups aligned with Plan action strategies. By utilizing the expertise of Water Partnership members and their associated networks, workgroups will be well-positioned to advance action strategies and identify the technical and/or funding sources required to move action forward. Some proposed workgroups already exist, and others will need to be created.

Focus Area Implementation Strategies

The implementation strategies are organized by focus area. Each strategy includes symbols representing the anticipated timeframe and the staff and financial resources needed to move the initiative forward, along with the identified workgroup, a list of potential leaders and partners, supporting resources, and the metrics and milestones used to track progress.

As conditions evolve, so will this Plan. It is a “living document,” and the County will use adaptive management to refine workgroups and strategies as needed to advance progress. Adaptive management continuously adjusts strategies to fit the shifting conditions caused by climate, population growth, or new information and data.

Some elements included with the strategies are defined by symbols:

- **Timeframe:** Refers to the time when the strategy can begin and its general duration. In some cases, strategies can be started early and continue in perpetuity. These timeframes are represented by the clocks at right; they range from short-term (🕒) to long-term (🕒🕒🕒) efforts.
- **Funding Resources:** Funding the Wake One Water Plan will require dedicated funding from multiple partners, including County, municipal and private entities. The funding source will be project dependent, and funding needs will range from relatively low (\$) to significant (\$\$\$). The final project costs will depend on the project’s scope and the timing of the project within the overall planning horizon. Grant funding may be available to supplement some action strategies; a list of potential grant funding sources is included at the end.
- **Staff Resources:** Dedicated staff will be needed to support workgroups and the associated action strategies. The level of staff resources needed is represented by symbols, from relatively few staff (👤) to significant staff across county and municipal jurisdictions (👤👤👤).

Scale: Timeframe	Symbol
Short-term (1–5 years)	🕒
Medium-term (1–10 years)	🕒🕒
Long-term (1–20+ years)	🕒🕒🕒
Ongoing	∞

Scale: Resources Needed	Symbols	
	Funding	Staff
Relatively low	\$	👤
Moderate	\$\$	👤👤
Significant	\$\$\$	👤👤👤

Other implementation strategy elements are provided in tabular form, including:

- **Key leaders/partners:** Refers to the categories of partners that should be involved. Bolded text reflects the lead workgroup for each action. Partners include organizations whose efforts should be coordinated with the Wake One Water Plan and other entities that should be engaged when developing new initiatives, policies and programs.
- **Supporting resources:** Refers to organizations, technical guidance and data that are available to support developing and implementing projects.
- **Metrics and Milestones:** Refers to the ways progress on the strategies can be measured.

All-Inclusive Implementation Strategy

Note: The following implementation strategy applies to all four focus areas.

Reorganize the Water Partnership to align with focus areas.

Timeframe	Financial Resources Needed	Staff Resources Needed
🕒	\$	👤
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Policy and Procedure Workgroup • Wake County • Water Partnership membership 	<ul style="list-style-type: none"> • Wake Water Partnership 	<ul style="list-style-type: none"> • Organizational/strategic plan completed (Y/N) • Percent of jurisdictions participating in the restructured Water Partnership



Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

Focus Area #1

Water Supply Optimization Summary



STRATEGY 1-1: Participate and represent Wake County at the Triangle Water Supply Partnership.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Water Resources – Onsite Water Protection 	<ul style="list-style-type: none"> • Triangle Water Partnership (TWP) Regional Water Supply Plan • Wake County Soil-Water-Balance Model 	<ul style="list-style-type: none"> • Number of TWP meetings attended by Wake County representatives • Number of joint initiatives or projects led by Wake County • Number of Wake County’s One Water outcomes developed in collaboration with the TWP

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction

STRATEGY 1-2: Fund a study to identify the impacts of greywater reuse.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County • TWP • University and research partners 	<ul style="list-style-type: none"> • Wake One Water Plan technical memos • State and national case studies 	<ul style="list-style-type: none"> • Funding secured for the study (Y/N, amount) • Study report completed and published (Y/N)

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics



STRATEGY 1-3: Create education and outreach materials.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 5: Track Performance Metrics



1-3a. Create outreach materials to promote a voluntary well testing toolkit.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Communications • Well and/or water testing companies • Community stakeholders • NC Dept. of Environmental Quality (DEQ) 	<ul style="list-style-type: none"> • NC Dept. of Health and Human Services (DHHS) • NC DEQ • NC Cooperative Extension 	<ul style="list-style-type: none"> • Number of wells tested voluntarily (per month or per year) • Percentage of eligible well-owners who participate in the testing program • Number of toolkits distributed • Percent of wells with detected issues that received mitigation

1-3b. Create outreach materials for water conservation and nature-based solutions (NBS).

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Extension – Watershed Management – Water Resources – Soil and Water Conservation – Communications • Universities and research partners • Wake County and municipal staff • Community organizations • Agriculture organizations 	<ul style="list-style-type: none"> • U.S. Environmental Protection Agency (USEPA) • NC DEQ • NC Extension • U.S. Water Alliance 	<ul style="list-style-type: none"> • Number of partners conducting outreach • Number of outreach/training events • Number of attendees at outreach/training events • Number of likes, shares and comments on social media • Number of newsletters distributed

1-3c. Create outreach materials for well issues and resources to resolve.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County 	<ul style="list-style-type: none"> • NC Division of Water Infrastructure (DWI) • NC DHHS 	<ul style="list-style-type: none"> • Resources identified (Y/N) • Number of new workshop/training events delivered • Number of attendees at outreach/training events • Number of newsletters distributed

1-3d. Create outreach materials for medical manifestations of groundwater contamination.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Health and Human Services • Wake County Public School System • Medical offices and hospitals • Nonprofit partners 	<ul style="list-style-type: none"> • NC DHHS • Wake County water quality testing database 	<ul style="list-style-type: none"> • Conditions identified (Y/N) • Number of new workshop/training events delivered • Number of attendees at outreach/training events • Number of newsletters distributed

STRATEGY 1-4: Develop regional water supply guidance for the development of data centers.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Water Resources – Planning – Onsite Water Protection • Municipal water supply systems • Raleigh Chamber • NC DEQ • Central Pines Regional Council 	<ul style="list-style-type: none"> • NC DEQ • National case studies • U.S. Water Alliance 	<ul style="list-style-type: none"> • Guidance developed (Y/N) • Number of jurisdictions involved in developing guidance • Number of jurisdictions or planning agencies that have adopted the regional water supply guidance for data centers • Comparison of projected vs. actual water demand from data centers completed (Y/N) • Percentage of data centers using reclaimed water or implementing water reuse systems • Number of permits issued that comply with regional guidance

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 1-5: Coordinate on current and future water connections.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 4: Update Relevant Small Area Plans

1-5a. Inventory private wells and conduct a survey on the interest in connecting to municipal water/sewer services.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Planning – Information Technology • Municipal water supply systems 	<ul style="list-style-type: none"> • Wake County database of private wells • Municipal service area maps 	<ul style="list-style-type: none"> • Inventory completed (Y/N) • Survey released (Y/N) • Number of responses • Number of new connections made due to survey responses

1-5b. Map donut holes in existing municipal water/sewer services.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Planning – Water Resources • Municipal water supply systems • Municipal planning • Private water providers 	<ul style="list-style-type: none"> • NC DWI, State Revolving Fund (SRF) • Wake County private well permit database • Municipal service area boundaries • NC DEQ 	<ul style="list-style-type: none"> • Service area voids/donut holes identified • Responsible entity identified (Y/N) • Annual map update released to partners (Y/N)

1-5c. Develop a water quality dashboard.

Timeframe	Financial Resources Needed	Staff Resources Needed
and	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Planning – Onsite Water Protection • Municipality planners and utilities • U.S. Geological Survey (USGS) • NC DEQ • University and research partners 	<ul style="list-style-type: none"> • Wake County private well permit database • Wake County water quality testing database • Wake County radionuclide contamination mapping • State and local water quality mapping • Wake County groundwater monitoring network • NC DEQ • USGS groundwater gauges • Wake County Soil-Water-Balance Model • WaterFALL Model 	<ul style="list-style-type: none"> • Key problem areas identified and mapped (Y/N) • Percent of key areas assessed for needs • Dashboard developed (Y/N)

1-5d. Develop integrated water/sewer infrastructure plans.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Water Resources • Municipality planners and utilities • Privately owned community water systems • Municipal water supply systems • NC DEQ 	<ul style="list-style-type: none"> • Wake County private well permit database • Municipal service area boundaries • TWP Regional Water Plan • Mapped service area voids • Wake County water quality testing database 	<ul style="list-style-type: none"> • Percent of key areas assessed for needs • Plan/protocols developed (Y/N)

STRATEGY 1-6: Integrate water shortage response plans with regional triggers for activation and response.

Timeframe	Financial Resources Needed	Staff Resources Needed
and	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Water Resources • Consultants • TWP • Central Pines Regional Council • NC DEQ 	<ul style="list-style-type: none"> • OASIS • Wake One Water Groundwater Assessment Memo • Wake County Soil-Water-Balance Model 	<ul style="list-style-type: none"> • Number of programs participating in a joint review of water shortage response plans • Review of triggers completed (Y/N) • Development of trigger options and educational materials to describe them (Y/N) • Number of water providers adopting recommendations

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 4: Update Relevant Small Area Plans

STRATEGY 1-7: Sustain the Pilot Well and Septic Assistance Fund as a permanent program.

Timeframe	Financial Resources Needed	Staff Resources Needed
and	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Soil and Water Conservation – Water Resources – Housing Affordability and Community Revitalization • NC Septic Tank Assoc. • Private contractors 	<ul style="list-style-type: none"> • Septic Failure Mapping Tool • Wake County private well permit database • Wake County water quality testing database 	<ul style="list-style-type: none"> • Number of homeowners receiving assistance annually • Number of policy or ordinance changes that support program continuity • Number of well or septic repairs completed • Average cost per repair or intervention • Annual budget allocated to the program

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 1-8: Create a countywide stormwater reuse master plan.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and Green Stormwater Infrastructure (GSI) Workgroup • Wake County <ul style="list-style-type: none"> – Watershed Management – Planning – Facilities – Design and Construction – General Services Administration • Municipal partners • Wake County Economic Development • Development community • Residents 	<ul style="list-style-type: none"> • Local stormwater reuse program data • Stormwater utility mapping • WaterFALL model 	<ul style="list-style-type: none"> • Stormwater management master plan completed (Y/N) • Number of local policies or ordinances adopted to support stormwater reuse • Number and type of reuse projects implemented • Estimated volume of water reused annually • Modeled updates in WaterFALL? (Y/N)

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 1-9: Policy, ordinance and regulation updates.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 4: Update Relevant Small Area Plans
- Action 5: Track Performance Metrics

1-9a. Develop policy recommendations for private well testing at the point of sale.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Policy and Procedure Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Planning • NC DHHS • NC DEQ • Wake Home Builders Assoc. • NC Realtors Assoc. 	<ul style="list-style-type: none"> • State and national models 	<ul style="list-style-type: none"> • Coordinated with representatives (Y/N) • Legal requirement in place (Y/N) • Number of municipalities with ordinances that require well testing at property transfer • Percent of property sales involving private wells that include certified water testing • Annual count of well tests conducted at the point of sale • Percent of tests revealing contaminants above health benchmarks • Number of cases where treatment or well repair was initiated because of test results

1-9b. Develop policies and implementation capacity to support stormwater and centralized and decentralized wastewater reuse for potable and non-potable uses.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Policy and Procedure Workgroup • Wake County <ul style="list-style-type: none"> – Planning – Water Resources – Onsite Water Protection • Municipal centralized wastewater systems • NC DEQ 	<ul style="list-style-type: none"> • USEPA • Water Reuse Assoc. • Local and national policy models 	<ul style="list-style-type: none"> • Policy needs identified? (Y/N) • Percent of needed policies developed

STRATEGY 1-10: Expand data collection and the public communication of groundwater levels.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$\$	

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

1-10a. Expand the existing well-monitoring network for greater geographic coverage.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Soil and Water Conservation – Water Resources – Onsite Water Protection – Parks, Recreation and Open Space – Planning • NC DEQ • USGS 	<ul style="list-style-type: none"> • Wake County Groundwater Monitoring Network • Wake County private well permit database • Wake County water quality testing database 	<ul style="list-style-type: none"> • Number of new wells added to the monitoring network • Percent of targeted gap areas receiving new monitoring well(s) • Percentage increase in geographical coverage (by watershed, aquifer or municipality) • Number of wells integrated into centralized databases or dashboards

1-10b. Build a public-facing groundwater level monitoring dashboard.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Information Technology • Consultants • University and research partners (Urban Water Consortium) • Wake County Health and Human Services Board • Well user and stakeholder groups 	<ul style="list-style-type: none"> • Wake County water quality testing database • NC Division of Water Resources • State and national models 	<ul style="list-style-type: none"> • Datasets of interest identified (Y/N) • Dashboard and data management plan created (Y/N) • Number of datasets integrated into the dashboard • Number of dashboard visitors • Number of agencies and partners contributing water quality data

STRATEGY 1-11: Expand the wastewater recovery and reuse network.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$\$	

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics



1-11a. Conduct an evaluation to identify opportunities for adding satellite treatment facilities within existing centralized sewer networks for nutrient mining and reuse.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Municipal centralized wastewater systems • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Water Resources – Planning – Solid Waste • University and research partners • Private sector 	<ul style="list-style-type: none"> • USEPA • Water Reuse Assoc. • Local and national case studies 	<ul style="list-style-type: none"> • Evaluation completed? (Y/N) • Recommended technologies identified? (Y/N) • Report on installation and operation cost completed (Y/N)

1-11b. Evaluate local wastewater materials recovery and reuse programs for potential application in other areas of Wake County.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Municipal centralized wastewater systems • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Water Resources – Planning – Solid Waste 	<ul style="list-style-type: none"> • USEPA • Water Reuse Assoc. • Local and national case studies 	<ul style="list-style-type: none"> • Number of existing programs identified

1-11c. Design, construct and operate satellite treatment facilities within existing centralized sewer networks for nutrient mining and reuse (including energy recovery).

Timeframe	Financial Resources Needed	Staff Resources Needed
	<p>\$\$\$</p>	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Municipal centralized wastewater systems • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Water Resources – Planning – Solid Waste • University and research partners • Private sector 	<ul style="list-style-type: none"> • USEPA • Water Reuse Assoc. • Local and national case studies 	<ul style="list-style-type: none"> • Number of satellite treatment facilities completed • Mass nutrient discharges avoided

Focus Area #2

Site-Specific Strategies to Improve Water Quality and Hydrology

STRATEGY 2-1: Establish a countywide onsite system for monitoring and reporting.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Planning – Water Resources – Information Services • Private contractors • Residents 	<ul style="list-style-type: none"> • Wake County septic permit database • Local and national case studies 	<ul style="list-style-type: none"> • Analytical tool developed (Y/N) • Number of systems identified as high-risk for failure • Water quality monitoring conducted in high-risk areas (Y/N) • Home septic system inspections tracked (Y/N) • Reporting process established (Y/N) • Number of onsite systems monitored and reported

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 2-2: Develop a grey and green infrastructure cost-benefit analysis worksheet.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County • Municipalities • University and research partners • Technical providers 	<ul style="list-style-type: none"> • NC State University (NCSU) Dept. of Biological and Agricultural Engineering (BAE) • NC Collaboratory • NC Cooperative Extension • NC DWI • NC DEQ Division of Mitigation Services 	<ul style="list-style-type: none"> • Metrics of interest identified (Y/N) • Worksheet developed (Y/N) • Number of users accessing or downloading the worksheet

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 2-3: Conduct cost-benefit analyses of different design standards in response to Atlas 15 rainfall data.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • University and research partners • Technical providers 	<ul style="list-style-type: none"> • NC DEQ • National Oceanic and Atmospheric Administration (NOAA) • NC Dept. of Transportation research 	<ul style="list-style-type: none"> • Comparative analysis summary completed for review by Water Partnership (Y/N) • Number of design standards evaluated • Design standard options released (Y/N)

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 2-4: Create an inventory of GSI sites to model benefits.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County <ul style="list-style-type: none"> – Planning – Water Resources – Watershed Management – Soil and Water Conservation • Municipal partners • Community organizations 	<ul style="list-style-type: none"> • Existing GSI databases • WaterFALL model 	<ul style="list-style-type: none"> • Percent of the County included in the inventory (geographic coverage of the inventory across Wake County) • Number of GSI sites identified and cataloged • Number of GSI types documented • Acres treated by GSI practices • Number of new GSI projects planned based on inventory gaps or opportunities • Modeled updates in WaterFALL? (Y/N)

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 5: Track Performance Metrics

STRATEGY 2-5: Support Wake County Cooperative Extension’s creation of Watershed Ambassador Network.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County <ul style="list-style-type: none"> – Extension – Emergency Management – Water Resources – Watershed Management – Onsite Water Protection • North Carolina Central Pines Regional Council • NC Dept. of Public Safety (DPS) Emergency Management • NC DEQ • Partners for Environmental Justice 	<ul style="list-style-type: none"> • Walnut Creek Watershed Urban Waters Federal Partnership Model • WaterNow Engagement Plan • Community organizations 	<ul style="list-style-type: none"> • Watershed Ambassador Network formed (Y/N) • Number of ambassadors recruited annually • Number of ambassadors completing training or certification programs • Retention rate of ambassadors year-over-year • Number of outreach events hosted (e.g., workshops, cleanups, presentations) • Number of residents engaged through ambassador-led activities • Number of practices (e.g., rain gardens, cisterns, stream cleanups) initiated or supported by ambassadors • Acres of land impacted or improved through ambassador efforts • Number of partnerships formed with schools, nonprofits, municipalities or businesses

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land

STRATEGY 2-6: Create education and outreach materials for alternative landscaping practices.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County <ul style="list-style-type: none"> – Cooperative Extension • NCSU • Wake Tech Community College • Private landscape companies • Conservation nonprofits 	<ul style="list-style-type: none"> • NC DEQ • Registered landscape architects • NC American Planning Assoc. • NCSU BAE • Wake County Soil and Water Conservation 	<ul style="list-style-type: none"> • Number of properties adopting alternative landscaping practices • Acreage converted to water-efficient or native landscaping • Number of public properties (e.g., parks, schools) using alternative landscaping • Number of partnerships with local nurseries, landscape professionals or conservation groups • Number of residents or landscapers trained in alternative landscaping

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land

- Action 5: Track Performance Metrics

STRATEGY 2-7: Develop a public onsite system preventative maintenance plan.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Communications • Wake Tech Community College • NC Septic Tank Assoc. • Homeowner associations (HOAs) • Realtors 	<ul style="list-style-type: none"> • USEPA • NC DHHS • NC Cooperative Extension • University and research partners 	<ul style="list-style-type: none"> • Creation of a plan • Number of new outreach programs created

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 2-8: Offer training on GSI handoff from developers to homeowner associations.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County • Municipalities • NC Extension 	<ul style="list-style-type: none"> • NC DEQ publications 	<ul style="list-style-type: none"> • Training materials developed (Y/N) • Number of trainings conducted • Number of HOAs or property managers trained • Number of developers participating in handoff training • Training usefulness as rated by attendees • Number of GSI systems successfully handed off with documentation • Percentage of inspections passed post-handoff

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 2-9: Create GSI education and outreach materials and low impact development best practices for elected officials, the private sector, HOAs and public landowners.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County <ul style="list-style-type: none"> – Communications – Watershed Management – Water Resources – Extension • Municipalities (stormwater programs and communications) • Community organizations 	<ul style="list-style-type: none"> • Water Partnership GSI website • Wake County GSI StoryMap • Wake County Soil and Water Conservation • Publications from NCSU BAE, NC Cooperative Extension, NC DEQ, USEPA, NC DPS (Emergency Management), NC Flood Risk Information System (FRIS), and Federal Emergency Management Agency (FEMA) 	<ul style="list-style-type: none"> • Number of partners conducting outreach • Number of outreach/training events conducted • Number of participants in outreach/training events • Number of likes, shares and comments on social media • Number of newsletters distributed

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 2-10: Increase the implementation of nonstructural best management practices (BMPs) for the agricultural community.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County <ul style="list-style-type: none"> – Cooperative Extension – Soil and Water Conservation • U.S. Dept. of Agriculture (USDA) Natural Resources Conservation Service (NRCS) • NCSU • Wake County Farm Bureau • Raleigh City Farm • Capital Area Food Network • Farming community 	<ul style="list-style-type: none"> • NCSU – NC Cooperative Extension publications • USDA publications 	<ul style="list-style-type: none"> • Number of farms implementing nonstructural BMPs • Number of nonstructural BMPs implemented (e.g., riparian buffers, cover crops, nutrient management) • Acreage of BMPs implemented • Number of interagency (or interdepartmental) projects initiated per year • Amount of funding leveraged (grants and public-private partnerships) for GSI and NBS interagency projects

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 5: Track Performance Metrics

STRATEGY 2-11: Policy, ordinance and regulation updates.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 4: Update Relevant Small Area Plans

2-11a. Recommend policies and design programs to incentivize and expand GSI.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Policy and Procedure Workgroup • Wake County <ul style="list-style-type: none"> – Water Resources – Planning – Watershed Management – General Services Administration – Facilities – Design and Construction • Wake County Economic Development • Municipalities • NC DEQ • Wake Home Builders Assoc. 	<ul style="list-style-type: none"> • Wake County Stormwater and GSI Best Practice Summary • NC DEQ • State and national program models • Wake County Soil and Water Conservation 	<ul style="list-style-type: none"> • Existing design resources identified (Y/N) • New design resources developed (Y/N) • Number of new or updated policies that support GSI implementation • Number of comprehensive plans, zoning codes and stormwater manuals that include GSI

2-11b. Apply regional stormwater reuse targets to ordinances.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Policy and Procedure Workgroup • Wake County <ul style="list-style-type: none"> – Water Resources – Planning – Watershed Management – General Services Administration – Facilities – Design and Construction • Wake County Economic Development • Municipalities • NC DEQ • Wake Home Builders Assoc. 	<ul style="list-style-type: none"> • NC DEQ • State and national program models 	<ul style="list-style-type: none"> • Reuse targets defined (Y/N) • Percent of the County jurisdictions updating ordinances • Number of jurisdictions adopting stormwater reuse ordinance • Number of municipal codes or design manuals that include stormwater reuse targets • Percent of new developments incorporating stormwater harvesting systems • Percent of municipalities with reuse targets codified

2-11c. Review Wake County policy for financial involvement in water, sewer and road repairs.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Policy and Procedure Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Planning • NC DHHS, On-Site Water Protection Branch • Municipalities 	<ul style="list-style-type: none"> • University of North Carolina School of Government • NC Dept. of Transportation • NC DWI • American Public Works Assoc. (APWA), NC Chapter • American Water Works Assoc. 	<ul style="list-style-type: none"> • Complete review of policy (Y/N) • Develop recommended revisions to policy • Number of public meetings or feedback sessions held during policy review

2-11d. Evaluate and develop recommendations for increased consistency on regional targets for maximum connected impervious area among Wake County and municipal jurisdictions.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Policy and Procedure Workgroup • Wake County <ul style="list-style-type: none"> – Watershed Management – Planning – Water Resources • Municipalities (stormwater programs) • Central Pines Regional Council of Governments • Community and environmental organizations 	<ul style="list-style-type: none"> • Local, state and national models • NC DEQ 	<ul style="list-style-type: none"> • Evaluation completed? (Y/N) • Number or percentage of municipalities that formally adopted regional targets or guidelines for maximum connected impervious area • Spatial distribution (geographic information system-based mapping) and density of connected impervious areas across jurisdictions • Number of jurisdictions reporting connected impervious area data annually

2-11e. Recommend ordinance provisions to expand and incentivize GSI.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Policy and Procedure Workgroup • Wake County <ul style="list-style-type: none"> – Planning – Watershed Management – Soil and Water Conservation • NC DEQ • Community-based organizations 	<ul style="list-style-type: none"> • Wake County Stormwater and GSI Best Practice Summary • Center for Watershed Protection • State and national models 	<ul style="list-style-type: none"> • Number of ordinance provisions identified for implementation • Number of jurisdictions that have adopted GSI-supportive ordinances or updated existing codes to include GSI provisions

STRATEGY 2-12: Inventory failing septic systems.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics



2-12a. Prioritize areas for system repairs and replacement (including community system retrofits or sewer extension).

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Housing Affordability and Community Revitalization • Community organizations • Municipalities and residents • NC Septic Tank Assoc. 	<ul style="list-style-type: none"> • Wake County septic failure heat map • Wake County septic permit database • Municipal service area map 	<ul style="list-style-type: none"> • Completion of prioritization framework or criteria (Y/N) • Number of areas assessed for infrastructure needs • Number of priority zones identified for repairs or sewer extensions • Number of system repairs completed • Number of community system retrofits initiated or completed • Miles of sewer line extended • Number of households connected to upgraded or extended systems

2-12b. Develop incentives for onsite system owners to maintain septic systems over time.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Housing Affordability and Community Revitalization • Community organizations • Municipalities and residents • NC Septic Tank Assoc. 	<ul style="list-style-type: none"> • WaterNow Engagement Toolkit 	<ul style="list-style-type: none"> • Incentive program framework completed (Y/N) • Number of incentive types developed (e.g., rebates, tax credits, technical assistance) • Number of outreach materials created to promote incentives • Number of onsite system owners enrolled in the incentive program • Percentage of eligible owners participating • Number of maintenance actions taken as a result of incentives (e.g., inspections, pump-outs, repairs) • Total amount of incentive funding distributed per year



STRATEGY 2-13: Create a toolbox that supports the agriculture community in the expansion of local food systems in alignment with Wake One Water and Wake County Food Security Plan recommendations.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County <ul style="list-style-type: none"> – Cooperative Extension – Water Resources – Planning – Public Health • Capital Area Food Network • Wake County Farm Bureau • NC Conservation and Land Trust • NC Conservation Network • USDA • NC DHHS 	<ul style="list-style-type: none"> • Wake County Food Security Plan • Wake County Soil and Water Conservation 	<ul style="list-style-type: none"> • Number of food system projects aligned with water conservation or reuse strategies • Number of cross-sector partnerships formed (e.g., water utilities and food producers or farmers markets)

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 4: Update Relevant Small Area Plans
- Action 5: Track Performance Metrics

STRATEGY 2-14: Create incentives for repairing distributed wastewater management systems and establishing responsible management entities.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – General Services Administration • NC Septic Tank Assoc. • NC DEQ • Community groups • Private wastewater operators and inspectors 	<ul style="list-style-type: none"> • Municipal service area map • Wake County septic permit database 	<ul style="list-style-type: none"> • Responsible management entity (RME) established for new community cluster systems (Y/N) • Incentive program established (Y/N) • Number of RMEs formed or designated • Number of property owners participating in incentive programs • Number of systems under RME oversight • Number of systems inspected or maintained by RMEs • Amount of annual funding allocated to incentives

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction

STRATEGY 2-15: Establish a program and funding for GSI infrastructure on private property.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County • Municipalities • Community organizations 	<ul style="list-style-type: none"> • Wake County Stormwater and GSI Best Practice Summary • Existing cost share program models • Raleigh Rainwater Rewards 	<ul style="list-style-type: none"> • Program framework completed (Y/N) • Number of applications received vs. approved • Number of GSI practices implemented • Amount of funding allocated or secured for private GSI projects • Acreage of land treated by funded GSI projects • Modeled updates in WaterFALL? (Y/N)

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 5: Track Performance Metrics



STRATEGY 2-16: Create workforce development programs for onsite wastewater systems.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Wastewater Program • Water Pollution Control System Operators Certification Commission • NCSU Wastewater Management Program • Green Schools Partnership • Wake Tech Community College • Wake County Public School System 	<ul style="list-style-type: none"> • NC DWI • NC DHHS 	<ul style="list-style-type: none"> • Number of participating organizations already involved in onsite wastewater training/certification • Number of participants who complete the training programs • Number of participants placed in skilled trades (completion rates and job placement statistics)

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics



STRATEGY 2-17: Develop workforce development and mentorship programs for GSI and maintenance, low impact development, stormwater reuse and maintenance.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake Tech Community College • Green Schools Partnership • Wake County Public School System • Water Partnership • University and research partners 	<ul style="list-style-type: none"> • NC DWI • NCSU BAE • NC Dept. of Transportation • NC Cooperative Extension • NC DEQ • Registered landscape architects 	<ul style="list-style-type: none"> • Number of participating organizations already involved in the program • Number of participants who complete the training programs • Number of participants placed in skilled trades (completion rates and job placement statistics)

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction

STRATEGY 2-18: Create public-private partnerships for financial institutions to offer escrow accounts for HOAs responsible for GSI maintenance.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County <ul style="list-style-type: none"> – Watershed Management – Budget and Management • Municipalities • Financial institutions • HOAs 	<ul style="list-style-type: none"> • Local, state and national models 	<ul style="list-style-type: none"> • Escrow program developed (Y/N) • Number of participating financial institutions and participating HOAs • Number of escrow account models or templates created • Number of public-private partnership agreements signed • Number of HOAs establishing escrow accounts for GSI • Percentage of new developments with escrow accounts for GSI maintenance

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 2-19: Develop a multi-jurisdiction stormwater data management system that includes impervious surface coverage, SCM locations, GSI and reuse projects.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County <ul style="list-style-type: none"> – Watershed Management – Water Resources – Geographic Information Services 	<ul style="list-style-type: none"> • Existing County and municipal stormwater databases • Wake County Land Cover Analysis and Tree Canopy Assessment • NC DEQ • NOAA high-resolution satellite data • NC Orthoimagery Program • NC Center for Geographic Information & Analysis 	<ul style="list-style-type: none"> • Number of jurisdictions supporting system development • Percentage of relevant jurisdictions actively contributing data to the shared system • Number of complete records • Number of users accessing the system and frequency of access (e.g., monthly logins, data downloads)

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics



STRATEGY 2-20: Launch a countywide Watershed Improvement Investment Approach modeled after the Falls Lake Interim Alternative Implementation Approach.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Stormwater and GSI Workgroup • Wake County <ul style="list-style-type: none"> – Onsite Water Protection – Soil and Water Conservation – Watershed Management – Water Resources • Watershed associations <ul style="list-style-type: none"> – Jordan Lake One Water – Upper Neuse River Basin Assoc. 	<ul style="list-style-type: none"> • Upper Neuse Clean Water Initiative Water Quality Model • Jordan Lake One Water Conservation Model • WaterFALL model 	<ul style="list-style-type: none"> • Watershed investment framework completed (Y/N) • Dollars invested in watershed improvement projects • Number of potential additional watershed improvement practices identified • Number of watersheds assessed for improvement opportunities • Number of priority areas identified for BMPs • Acreage impacted by BMPs • Number of landowners or stakeholders participating in BMP programs • Number of partnerships formed with municipalities, conservation organizations and private-sector companies

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 5: Track Performance Metrics

STRATEGY 2-21: Develop and operate regional compost centers.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Wastewater Workgroup • Wake County <ul style="list-style-type: none"> – Cooperative Extension – Soil and Water Conservation – Solid Waste – Water Resources – Parks, Recreation and Open Space • Municipalities • NC Compost Council • NC DEQ • Environmental organizations • Private businesses 	<ul style="list-style-type: none"> • Community compost programs (Wake County, Cary, Raleigh) • NC DEQ Environmental Assistance and Customer Service publications 	<ul style="list-style-type: none"> • Plan developed (Y/N) • Number of compost centers designed (or percent of planned centers designed) • Number of compost centers • Number of compost center users • Volume of compost collected • amount of food waste diverted from landfill • Modeled updates in WaterFALL? (Y/N)

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 4: Update Relevant Small Area Plans
- Action 5: Track Performance Metrics

Focus Area #3

Land Conservation and Preservation

STRATEGY 3-1: Create education and outreach materials for tree canopy best practices.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Tree Canopy Workgroup • Wake County <ul style="list-style-type: none"> – Communications – Planning – Water Resources – Cooperative Extension • Municipalities (stormwater and urban forestry programs) • NC Forest Service <ul style="list-style-type: none"> -Urban Forestry Program 	<ul style="list-style-type: none"> • USDA • NC DEQ • NC Climate Office • NC Urban Forest Council • NC Cooperative Extension • Wake Soil and Water Conservation • Arbor Day Foundation 	<ul style="list-style-type: none"> • Number of partners conducting outreach • Number of outreach/training events • Number of attendees at outreach/training events • Number of likes, shares and comments on social media • Number of newsletters distributed

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics



STRATEGY 3-2: Implement incentives to encourage tree conservation.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	



Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 5: Track Performance Metrics

3-2a. Provide free seedling giveaways.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Tree Canopy Workgroup • Wake County <ul style="list-style-type: none"> – Parks, Recreation, and Open Space – Water Resources – Planning • Municipalities (stormwater and urban forestry programs) • NC Forest Service • Triangle Land Conservancy • Environmental nonprofits • Community groups 	<ul style="list-style-type: none"> • Existing municipal program models • NC Forest Service • USDA • NC DEQ • NC Climate Office • NC Urban Forest Council • NC Cooperative Extension 	<ul style="list-style-type: none"> • Number of seedlings distributed annually • Percent of the County served • Percent of trees surviving after 1, 3 and 5 years • Estimated canopy area added from surviving trees • Percent of trees distributed in low-income or low-canopy neighborhoods • Number of tree care demonstrations and planting workshops • Number and diversity of funding partners (e.g., grants, corporate sponsors)

3-2b. Conduct tree planting/replanting.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Tree Canopy Workgroup • Wake County <ul style="list-style-type: none"> – Parks, Recreation, and Open Space – Planning – Soil and Water Conservation • Municipalities (stormwater and urban forestry programs) • USDA NRCS • NC Forest Service 	<ul style="list-style-type: none"> • Existing municipal program models • NC Forest Service • USDA • NC DEQ • NC Climate Office • NC Urban Forest Council • NC Cooperative Extension 	<ul style="list-style-type: none"> • Number of trees planted annually • Number of trees per acre or per site • Number of tree planting events • Number of volunteers at tree planting events

STRATEGY 3-3: Expand open space and agricultural preservation by supporting existing open space and farmland preservation programs, aligning initiatives and leveraging resources.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Water Supply Workgroup • Wake County <ul style="list-style-type: none"> – Cooperative Extension – Water Resources – Parks, Recreation and Open Space – Planning – Soil and Water Conservation • Capital Area Food Network • Wake County Farm Bureau • NC Conservation Fund • Triangle Land Conservancy • NC Conservation Network • NC Farm Bureau 	<ul style="list-style-type: none"> • Wake County and Municipal Open Space Plan • Upper Neuse Clean Water Initiative Water Quality Model • Jordan Lake One Water Conservation Model • WaterFALL model 	<ul style="list-style-type: none"> • Number of acres of land permanently protected through conservation easements • Number of acres enrolled in Voluntary Agriculture Districts • Number of new conservation easements established per year • Percent of County land under permanent protection (PLANWake goal is 30%) • Percent of agricultural land retained vs. developed • Number of landowners participating in conservation or preservation programs • Modeled updates in WaterFALL? (Y/N)

Corresponding PLANWake Action Items

- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 4: Update Relevant Small Area Plans
- Action 5: Track Performance Metrics

STRATEGY 3-4: Identify sites for land conservation, riparian buffer protection and NBS located at or upstream of identified flooding hot spots.



Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Planning and Development Services – Watershed Management – Soil and Water Conservation – Emergency Management – Parks, Recreation and Open Space • Municipalities • Water Partnership • NC Dept. of Transportation • Triangle Land Conservancy 	<ul style="list-style-type: none"> • WaterFALL model • Municipal watershed models • Multi-jurisdiction Hazard Mitigation Plan (HMP) • NC Flood Resiliency Blueprint • Repetitive flooding event documentation 	<ul style="list-style-type: none"> • Number and severity of flooding hot spots identified • Acres of land conserved upstream of flooding hot spots • Number and type of NBS projects implemented (e.g., riparian buffers, wetlands, reforestation) • Modeled updates in WaterFALL? (Y/N)

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 5: Track Performance Metrics

Focus Area #4 Flood Resilience

STRATEGY 4-1: Conduct annual flood and dam tabletop emergency exercises.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Emergency Management • Municipalities • NC DPS (Emergency Management) • NC DEQ DEMLR (Dam Safety) • FEMA • NC Assoc. of Floodplain Managers • APWA, NC Chapter • Assoc. of State Dam Safety Officials • U.S. Society on Dams 	<ul style="list-style-type: none"> • NC FRIS • NC FIMAN • NC DEQ DEMLR (Dam Safety) • FEMA • NC DPS (Emergency Management) • USGS 	<ul style="list-style-type: none"> • Annual exercise and training content developed (Y/N) • Annual exercise and training completed (Y/N) • Number of tabletop exercises conducted annually • Number of agencies, municipalities, utilities and emergency responders participating yearly • Completion of post-exercise debriefs and after-action reports (Y/N) • Number of corrective actions identified and percentage implemented within a defined timeframe • Number of EAPs updated based on exercise findings

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metric



STRATEGY 4-2: Create flood and dam education and outreach materials.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	



Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics



4-2a. Develop regional flood and dam educational materials.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Emergency Management – Watershed Management – Water Resources – Communications • NC DPS (Emergency Management) • NC DEQ Division of Energy, Mineral and Land Resources (DEMLR) (Dam Safety) • FEMA 	<ul style="list-style-type: none"> • NC FRIS • NC Flood Inundation Mapping and Alert Network (FIMAN) • NC DEQ DEMLR (Dam Safety) • FEMA • USGS • NOAA • NC Climate Office • Wake County Regional HMP • NC Dept. of Transportation • Assoc. of State Dam Safety Officials • U.S. Society on Dams 	<ul style="list-style-type: none"> • Number of education/outreach materials created • Number of partners conducting outreach • Number of outreach events • Number of new workshop/training events delivered • Number of likes, shares and comments on social media • Number of newsletters distributed

4-2b. Develop emergency action plan (EAP) alert protocols.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Emergency Management • NC DPS (Emergency Management) • NC DEQ DEMLR (Dam Safety) • FEMA • Assoc. of State Dam Safety Officials • U.S. Society on Dams • Water Partnership 	<ul style="list-style-type: none"> • NC FRIS • NC FIMAN • NC DEQ DEMLR (Dam Safety) • FEMA • USGS • NOAA • NC Climate Office • NC Dept. of Transportation • Assoc. of State Dam Safety Officials • U.S. Society on Dams • Wake County Regional HMP 	<ul style="list-style-type: none"> • Number or percentage of jurisdictions, utilities or facilities with completed and formally adopted EAPs • Percentage of residents or stakeholders aware of EAP protocols, measured via surveys or outreach participation • Number of joint exercises, meetings or shared protocols between utilities, emergency services and local governments • Number of critical infrastructure assets (e.g., dams, pump stations) with updated EAPs and mitigation measures in place • Percentage of EAPs meeting federal, state or local emergency planning requirements (e.g., FEMA, USEPA, state dam safety offices) • Number of after-action reports completed and recommendations implemented following drills or real events

STRATEGY 4-3: Increase regional participation in FEMA’s National Flood Insurance Program Community Rating System (CRS).

Timeframe	Financial Resources Needed	Staff Resources Needed
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Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Emergency Management – Watershed Management • Municipalities • NC DPS (Emergency Management) • FEMA 	<ul style="list-style-type: none"> • NC FRIS • NC FIMAN • NC DEQ DEMLR (Dam Safety) • FEMA • NC DPS (Emergency Management) • USGS 	<ul style="list-style-type: none"> • Number of Wake County municipalities enrolled in the CRS program • Number of communities participating in CRS • Number of joint meetings, training sessions or shared planning efforts among jurisdictions • Number of properties in the Special Flood Hazard Area (SFHA) and non-SFHA with reduced flood insurance premiums, and the estimated amount saved • Average percentage discount on flood insurance premiums for residents in CRS communities • Number of updates submitted to FEMA regarding repetitive loss properties • Number of jurisdictions using FEMA’s CRS forms, quick-check tools and Coordinator’s Manual

Corresponding PLANWake Action Items

- Action 1: Assess and Revise the Wake County Unified Development Ordinance
- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics



STRATEGY 4-4: Develop detailed flood mapping.

Timeframe	Financial Resources Needed	Staff Resources Needed
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Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics



4-4a. Develop detailed mapping of identified flooding hot spots.

Timeframe	Financial Resources Needed	Staff Resources Needed
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Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Emergency Management – Watershed Management – Water Resources • Municipalities • NC Assoc. of Floodplain Managers • APWA, NC Chapter • Water Partnership 	<ul style="list-style-type: none"> • Municipal watershed models • WaterFALL model • NC FRIS • NC FIMAN • NC DEQ DEMLR (Dam Safety) • FEMA • NC DPS (Emergency Management) • USGS • NC Flood Resiliency Blueprint 	<ul style="list-style-type: none"> • Number or percentage of known flooding hot spots mapped with high-resolution data • Number of mapped hot spots linked to real-time flood gauges or sensors • Modeled scenarios in WaterFALL? (Y/N)

4-4b. Develop flood zone and structural impact maps based on development scenarios.

Timeframe	Financial Resources Needed	Staff Resources Needed
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Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Emergency Management – Watershed Management – Water Resources – Planning • Municipalities • NC Assoc. of Floodplain Managers • APWA, NC Chapter • Water Partnership 	<ul style="list-style-type: none"> • WaterFALL model • NC FRIS • NC FIMAN • NC DEQ DEMLR (Dam Safety) • FEMA • NOAA • NC Climate Office • NC DPS (Emergency Management) • USGS • NC Flood Resiliency Blueprint 	<ul style="list-style-type: none"> • Number of development scenarios modeled (e.g., current zoning, future build-out) • Number of structures analyzed for flood depth, velocity, and hazard exposure under different development scenarios • Structures classified by risk level (e.g., low, moderate, high) (Y/N) • Frequency of updates to flood zone and impact maps based on new data or development changes

4-4c. Develop detailed HEC-RAS flood models per subbasin.

Timeframe	Financial Resources Needed	Staff Resources Needed
	\$\$	
Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Emergency Management – Watershed Management – Water Resources • Municipalities • NC Assoc. of Floodplain Managers • APWA, NC Chapter • Water Partnership • NC DPS (Emergency Management) 	<ul style="list-style-type: none"> • Municipal watershed models • NC FRIS • NC FIMAN • NC DEQ DEMLR (Dam Safety) • FEMA • NOAA • NC Climate Office • NC DPS (Emergency Management) • USGS • NC Flood Resiliency Blueprint 	<ul style="list-style-type: none"> • Percentage and number of subbasins modeled using HEC-RAS (1D or 2D) • Number of subbasins modeled using 2D HEC-RAS vs. 1D • Percentage and number of models incorporating updated flow data, precipitation scenarios and land use conditions • Percentage and number of models calibrated using observed flood events or gauge data • Number of subbasins with flood inundation maps generated from HEC-RAS outputs

STRATEGY 4-5: Develop watershed-specific master plans.

Timeframe	Financial Resources Needed	Staff Resources Needed
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Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Watershed Management – Planning – Water Resources – Soil and Water Conservation 	<ul style="list-style-type: none"> • Municipal watershed plans • NC Division of Mitigation Services watershed plans • NC Division of Water Resources basin plans • NC FRIS • NC FIMAN • NC DEQ DEMLR (Dam Safety) • FEMA • NOAA • NC Climate Office • Wake County Regional HMP • NC Flood Resiliency Blueprint • NC DPS (Emergency Management) • USGS 	<ul style="list-style-type: none"> • Percent of the County covered by regional watershed master plans • Number of watershed-specific master plans completed, adopted and updated • Number of stakeholder groups involved in each watershed planning process • Amount of funding secured for watershed-master-plan development and implementation • Modeled updates in WaterFALL? (Y/N)

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 4: Update Relevant Small Area Plans



STRATEGY 4-6: Expand the installation of flood gauges on major streams and dams.

Timeframe	Financial Resources Needed	Staff Resources Needed
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Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Emergency Management – Floodplain Management – General Services Administration • Municipalities (flood management programs) • NC DPS (Emergency Management) • FEMA • USGS • NC DEQ DEMLR (Dam Safety) 	<ul style="list-style-type: none"> • NC FRIS • NC FIMAN • NC DEQ DEMLR (Dam Safety) • FEMA • NC DPS (Emergency Management) • USGS 	<ul style="list-style-type: none"> • Number of flood gauges installed per year on major streams and dams • Percentage of priority flood-prone areas or watersheds now monitored by gauges • Amount of funding secured and number of partners involved in gauge installation and data sharing

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 3: Prioritize Protection of Open Space and Rural Land
- Action 5: Track Performance Metrics

STRATEGY 4-7: Develop a multi-jurisdiction flood gauge data platform.

Timeframe	Financial Resources Needed	Staff Resources Needed
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Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Emergency Management – Watershed Management – General Services Administration • Municipalities (flood management programs) • NC DPS (Emergency Management) • FEMA • USGS • NC DEQ DEMLR Dam Safety 	<ul style="list-style-type: none"> • NC DPS (Emergency Management) • NC FRIS • NC FIMAN • USGS • Raleigh Flood Early Warning System • Wake Soil and Water Conservation 	<ul style="list-style-type: none"> • Flood gauge data platform developed (Y/N) • Standard operating procedures developed (Y/N) • Number of jurisdictions actively contributing flood gauge data to the shared platform • Number of flood gauges integrated and spatial coverage across watersheds • Number of users accessing the platform (e.g., planners, emergency managers, public) • Number of interagency meetings, workshops, or training sessions held to support platform development and use • Number of flood events detected and responded to using gauge data • Gauge data are publicly available via dashboards, apps or websites (Y/N)

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

STRATEGY 4-8: Conduct dam retrofits and grey infrastructure improvements at identified hot spot areas.

Timeframe	Financial Resources Needed	Staff Resources Needed
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Leaders/Partners	Supporting Resources	Milestones and Metrics
<ul style="list-style-type: none"> • Flood Coordination Workgroup • Wake County <ul style="list-style-type: none"> – Stormwater Management – Emergency Management – Water Resources – Soil and Water Conservation • NC DPS (Emergency Management) • NC DEQ DEMLR (Dam Safety) • FEMA • Municipalities • NC Dept. of Transportation 	<ul style="list-style-type: none"> • NC Dam Inventory • Wake County EAPs • NC FRIS • NC FIMAN • NC DEQ DEMLR (Dam Safety) • FEMA • USGS • NOAA • NC Climate Office • Wake County Regional HMP • NC Dept. of Transportation • Assoc. of State Dam Safety Officials • U.S. Society on Dams 	<ul style="list-style-type: none"> • Percent of identified retrofit opportunities completed • Percentage of targeted flooding hot spots addressed by traditional grey infrastructure retrofit/improvement projects • Reduction in flood frequency, depth or extent in hot spot areas post-retrofit • Number of residents protected from flooding

Corresponding PLANWake Action Items

- Action 2: Plan For Growth In Urban Services Areas and Municipal Extraterritorial Jurisdiction
- Action 5: Track Performance Metrics

Funding

This list outlines potential funding opportunities, but it is not comprehensive and depends on each organization’s or grant program’s available resources. The list is subject to change. Many awards are competitive and not guaranteed, and most have specific eligibility criteria and rules for how funds may be used. It is the responsibility of each prospective recipient to review and confirm the applicability of any opportunity and to satisfy all associated requirements.

Focus Area 1: Optimized Water Supply

- NC DEQ
 - Section 319(h) grant
- NC DEQ DWI’s suite of grants:
 - State Drinking Water and Wastewater Reserve programs
 - Asset Inventory and Assessment Grant Program
 - Community Development Block Grant – Infrastructure
 - Lead Service Line Replacement Funding
 - Emerging contaminants (e.g., PFAS) funding
- SRF
 - Drinking Water SRF
 - Clean Water SRF
 - Low/No Interest Loans
- NC Emergency Management
 - Emergency Management Hazard Mitigation Assistance Grants
- State and FEMA funds
- USDA
 - Rural Development Loan and Grant Assistance

Focus Area 2: Site-Specific Strategies to Improve Water Quality and Hydrology

- NC DEQ
 - Section 319(h) and 205(j) grant
 - Land and Water Fund
 - NRCS Environmental Quality Incentives Program state matching funds
 - Water Resources Development Grant Program
- NC DEQ DWI
 - Local Assistance for Stormwater Infrastructure Investments Program
- NC Dept. of Agriculture Division of Soil and Water
 - Agricultural Cost-Share Funding
 - Community Conservation Assistance Program
- NC Dept. of Justice
 - Environmental Enhancement Grant
- U.S. Composting Council Compost Consortium Grant Program
- USDA
 - Farm Service Agency
 - NRCS
- USGS
 - 104 (g) programs grant (National Water Information System stream gage network, PFAS)
 - National Ground-Water Monitoring Network grant funding
- USEPA, Office of Land and Emergency Management
 - Brownfield Assessment Grants
 - Brownfield Cleanup Grants
 - Brownfield Revolving Loan Fund Grants

Focus Area 3: Land Conservation and Preservation

- NC DEQ
 - Section 319(h) and 205(j)
 - Water Resources Development Grant
 - Land and Water Fund
- NC DEQ Division of Mitigation Services
 - Stream and Nutrient Credits
- NC Division of Parks and Recreation
 - Land and Water Conservation Fund
 - Parks and Recreation Trust Fund
- NC Dept. of Agriculture and Consumer Services
 - Farmland Preservation
 - Agricultural Development and Farmland Preservation Trust Fund
- USDA
 - Farm Ownership and Operating Loan funds
 - Farm Service Agency Loan

Focus Area 4: Flood Resilience

- FEMA
 - Disaster Case Management Grant
 - Emergency Management Performance Grants Program
 - Individual Assistance
 - Public Assistance
- Golden LEAF Foundation
 - Flood Mitigation Program
- Housing and Urban Development
 - Community Development Block Grant (Mitigation and Disaster Recovery funds)
- NC DEQ
 - 319(h) and 205(j)
 - Flood Resiliency Blueprint
 - Land and Water Fund
 - Water Resources Development Grant
- NC DPS (Emergency Management)
 - Community Assistance Program, State Support Services Element
 - Community Technical Assistance Program Letter of Map Change
 - Cooperating Technical Partners
 - Flood Mitigation Assistance via FEMA
 - Flood Mitigation Assistance Swift Current
 - Hazard Mitigation Grant Program via FEMA
 - Pre-Disaster Mitigation Grant Program
 - Rehabilitation of High Hazard Potential Dam grant program
- NC Dept. of Agriculture
 - Soil and Water Conservation Streamflow Rehabilitation Assistance Program
- NRCS
 - Emergency Watershed Protection Program
 - Financial Assistance
- USGS
 - 104(g) programs grant (National Water Information System stream gauge network, PFAS)
 - National Ground-Water Monitoring Network grant funding