

SEDIMENTS

Newsletter of the North Carolina Sedimentation Control Commission

About Sediments

Sediments is a newsletter published by the State of North Carolina's Department of Environmental Quality's Division of Energy, Mineral, and Land Resources and the North Carolina Sedimentation Control Commission to provide information and assistance to the regulated community and to facilitate communication among personnel of state and local erosion and sedimentation control programs.

Sediments is available in electronic form at:

<https://deq.nc.gov/SEDIMENTS>

And via the WRII Sediments listserv.

To subscribe follow the directions at:

<https://wrii.ncsu.edu/contact-us/listservs/>

Send comments to the Sediment Education Engineer.



2025 NC E&SC Workshop

Presented by: NCDEQ - Land Quality Section

In partnership with:

NCSU Dept. of Crop & Soil Science;

SE Chapter - International Erosion Control Association

The Annual North Carolina Erosion and Sedimentation Control Workshop was held on December 5, 2024, in Raleigh. This workshop was presented by the NCDEQ - Land Quality Section in partnership with NCSU's Department of Crop & Soil Sciences and the Southeast Chapter of the International Control Association (SE-IECA). This workshop is meant to educate and familiarize design professionals, contractors, inspectors, developers, local governments, and other erosion control professionals with new erosion and sediment control requirements and practices.

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2025 North Carolina Erosion & Sediment Control Workshop

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This year registrants again had two options for how they could participate in the workshop. The first option was to attend the workshop in-person for a combination of morning presentations plus an in-the-field afternoon session. The second option allowed registrants to join the workshop virtually for the morning presentations only. In total 144 participants attended the full day in-person workshop, 44 attended the half day virtual workshop and 9 vendors attended.

The workshop began with a welcome from NC DEQ's Secretary, Reid Wilson. Other morning presenters included representatives from the NCDEQ Erosion and Sediment Control Program's Central Office, Chatham County, Gaston County, GETSCO Inc., and NCSU's Department of Crop and Soil Sciences. Topics included program updates and overviews, inspections and best management practices, and research updates. The afternoon field demonstrations/presentations were conducted by NCSU staff and students and workshop vendors. Field topics and demonstrations ranged from the use of flocculants, drones, skimmers, porous baffle functions, different wattles and check dam options to construction entrances and a rainfall simulation.

The workshop materials can now be accessed on the [2025 NC E&SC event page](#). If you have any topic suggestions or would like to present at a future program, contact the [Sediment Education Engineer](#). Future workshop dates will be posted to the [NCDEQ E&SC homepage](#) as they become available.



*Pictured on the left is the flocculant demonstration, and on the right are types of construction entrances.
Photo Credit: Rebecca Coppa*

The NC Sedimentation Control Commission

The Sedimentation Control Commission (SCC) was created to administer the Sedimentation Control Program pursuant to the NC Sedimentation Pollution Control Act of 1973 (SPCA). It is charged with adopting rules, setting standards, and providing guidance for the implementation of the Act. The composition of the Commission is set by statute to encompass a broad range of perspectives and expertise in areas related to construction, industry, government, and natural resource conservation and quality. All members are appointed by the Governor and serve three-year terms, except for the Director of the Water Resources Research Institute of the University of North Carolina, who serves as long as they remain Director. The chairman of the SCC is named by the Governor.



NC SCC: August Actions

At its hybrid meeting on August 21, 2025, the NC Sedimentation Control Commission (SCC) took the following actions:

- Ms. Robin Smith and Mr. Brian North swore the oath of office. Ms. Smith is the representative for the Environmental Management Commission. Mr. North is the representative for NC Mining Commission.
- Voted to approve the classification as necessary of all 29 rules under Title 15A NCAC Chapter 04.
- Voted to approve the revisions to sections 6.06, 6.15, and 6.60 of the NC Erosion and Sedimentation Control Design Manual.
- Voted to approve the updates to the Memorandum of Agreement between Local Governments and the Commission with recommended modifications.

Delegated Local Programs

- Buncombe County: Voted to continue their delegation authority.
- Pitt County Review: Voted to continue their delegation authority.
- Town of Wake Forest: Voted to continue their delegation authority.

NC SCC: November Actions

At its hybrid meeting on November 20, 2025, the NC Sedimentation Control Commission (SCC) took the following actions:

- Dr. Joshua Heitman swore the oath of office as the representative for NCSU Soil Sciences.
- NCDOT Annual Program Review: Voted to continue their delegation authority.

The NC SCC Members

Chair:

Dr. Susan White

Water Resources Research Institute

Commissioners:

Mr. Steven Wilson

NC Home Builders Association

Ms. Robin Smith

NC Environmental Management
Commission

Mr. Michael Taylor

Associated General Contractors

Mr. James Lamb

NC Soil and Water Commission

Mr. Benjamin Brown

NC League of Municipalities &
Association of County Commissioners

Dr. Joshua Heitman

NCSU, Dept. of Soil Science

Mr. Michael Holder

Professional Engineers of NC

Mr. Ryan Carter

Non-governmental Conservation

Ms. Emily Sutton

Non-governmental Conservation
Vacant

NC Public Utilities

Mr. Brian North

NC Mining Commission



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- Voted to approve the updates to the Memorandum of Agreement between Local Governments and the Commission.

Delegated Local Programs

- Town of Knightdale: Voted to continue their delegation authority with review for 3 quarters.
- City of Monroe: Voted to approve ordinance updates.

NC SCC & Committee Information

The SCC currently has three active subcommittees, including the Civil Penalty Remissions Committee, the Commissions Technical Committee and the Ad-hoc Committee.

Meeting dates, times, location information and materials for scheduled meetings of the SCC and its Committees can be found on the SCC's website:

<https://deq.nc.gov/about/divisions/energy-mineral-land-resources/sedimentation-control-commission>

Upcoming SCC Meetings

Thursday, May 7, 2026

Tuesday, Aug. 11, 2026

Tuesday, Nov. 17, 2026

All meetings are at 10 a.m.

Ground Floor Hearing Room

Archdale Building

512 N. Salisbury Street Raleigh, NC

Schedule and location of meetings is subject to change. Public notice of any changes will be given pursuant to NCGS 143-318.12

The SCC CTC Members

Chair:

Mark Taylor, PE
Retired Civil Engineer

Vice Chair:

Kristi Cheek, CPESC
Guilford County

Committee Members:

A.J. Lang, PhD

N.C Forest Service

Donald R. Pearson, Jr. EI, CPESC

Summit Desing and Engineering

Jeremy Goodwin, PE

NCDOT Roadside Environmental

Nash Hardy III

Nash Hardy Lanscapes

John Parrish, CPESC, CPSWO

GETSCO, Inc.

Jay Wilson

City of Charlotte

Lauren Witherspoon

City of Raleigh

Danielle Rudisill, CPESC

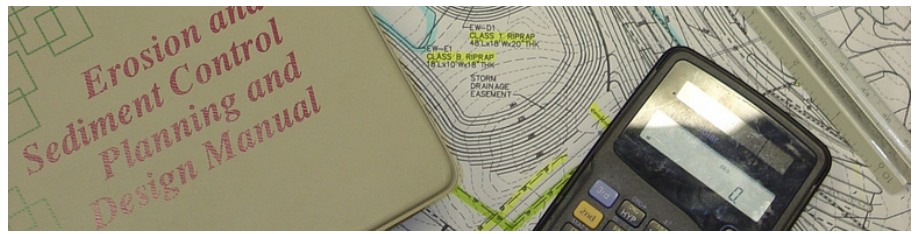
Lincoln County

Jonathan Bivens, PE

S.T. Wooten Corporation

Julie Coco, PE

Consultant



The CTC & Manual Updates

The Commissions' Technical Committee (CTC) has been meeting monthly since April 2021 with the goal to update the E&SC Planning and Design Manual. The committee consists of volunteers of E&SC professionals appointed by the SCC Chair, Dr. Susan White. As the CTC completes a section, they submit their proposed edits to NCDEQ - DEMLR for review and once finalized, DEMLR presents them to the SCC for an informal then formal review. The sections that are approved during the formal review will then be published on the [Manual Webpage](#) bi-annually, typically around January and July. DEMLR staff are also currently working to update our website and documents, including the Manual, to comply with the Web Content Accessibility Guidelines (WCAG) 2.1 AA standards. Therefore, updated sections will also be updated to comply with the accessibility guidelines. DEMLR will announce any updates to the Manual via the Sediments Listserv, run by WRRI, and this newsletter. So stay tuned!

Approved Manual Sections

6.06 Temporary Construction Entrance/Exit

6.15 Riprap

6.65 Porous Baffles

The updated sections have been published on the [E&SC Planning and Design Manual's Website](#).

Summary: Green Solutions at Biltmore Hills Park

By Christy Perrin, Summarized by Rebecca Coppa

Full article available in the Fall 2025 Issue of COASTWATCH

In 2014, North Carolina Sea Grant, the NC Water Resources Research Institute (WRRI) and the Partners for Environmental Justice (PEJ) together created the Walnut Creek Wetlands Community Partnership (WCWCP). WCWCP works to identify and implement actions that support healthy ecosystems and communities in and around Walnut Creek Wetlands, downstream from WRRI and NC Sea Grant's Raleigh office. Early focus groups and a community survey conducted by WCWCP revealed, 1) the need to build trust between local government and community members and, 2) flooding concerns.

A watershed plan developed by Grace Fulmer of WRRI identified Biltmore Hills Park—built before stormwater regulations—as a key site to begin improvements. In 2020, teams surveyed the park for green stormwater infrastructure (GSI) opportunities to intercept and treat runoff from impervious surfaces like rooftops and parking lots. New GSI features included: bioretention areas (engineered rain gardens), swales to absorb and direct rainwater, and cisterns to harvest rainwater. The project overcame pandemic-related delays and budget challenges with support and funding from the EPA, City of Raleigh, and a NC Department of Justice Ecosystem Enhancement Grant. The design was completed by Kris Bass Engineering with construction by Fluvial Solutions, Inc. Christy Perrin, WRRI/Sea Grant, facilitated community engagement throughout the entire process.

The GSI reduce annual stormwater runoff volume by 55% (155,814 cubic feet annually) and the amount of nitrogen and phosphorous entering the creek (64% and 60% respectively).

These significant impacts help improve water quality for Walnut Creek and the Neuse River and help reduce the impacts of more frequent flood events. This project demonstrates how collaborative, nature-based solutions can address environmental and social challenges, blending engineering, art, and community engagement to create a healthier, more resilient neighborhood.



A bioretention area at Biltmore Hills Park. Photo Credit: Christy Perrin.



Project WET: Water Education Today

By Rebecca Coppa, DEQ-DEMLR, Sediment Education Specialist

What is Project WET?

Project WET, or Water Education Today, is an international nonprofit based in Missouri with the mission of “advancing water education to understand global challenges and inspire local solutions.” Project WET has been researching, writing and publishing award winning water education materials since 1984.

Watch [this short video](#) to learn more about Project WET.

What Materials are Available?

Project WET’s education materials include educator guides, activity books, maps, posters, digital materials, and downloadable materials. The education guides (pictured to the right) are the cornerstone of their materials and there is one for everyone! The activities in the guides are aligned to standards, gives preK-12 formal and non-formal educators tools to incorporate water education into every school subject, and can be used in the classroom or outdoors; what’s not to love?



Where can I find Project WET Materials?

While many of Project WET’s education materials are available on the [Project WET website](#), many of the guides are only available by completing the online training, or attending a workshop with one of the Project WET State Coordinators/Facilitators. In North Carolina, Project WET is housed within DEQ’s Division of Water Resources’ (DWR) Education Program. Upcoming Project WET NC Workshops can be found on [DWR's website](#).

Who Should Attend a Workshop?

Anyone who teaches about water inside or outside of the classroom. So that can be formal preK-12 teachers, non-formal educators, homeschooling parents, or professionals who also do education outreach.

Why Should I Attend a Workshop?

First off, you’ll receive a Project WET Guide. Project WET NC Workshops are also fun, collaborative, demonstrate Project WET activities, and showcases various resources available through NCDEQ. So, if you want to learn more about how to incorporate water education into your curriculum, program, or community outreach, sign up for a workshop today! Not convinced? Check out some of the photos from past workshops on page 6.



Project WET: Water Education Today

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Sum of the Parts

In this activity participants learn about how different land uses can contribute to or prevent pollution from going into local waterways, and the cumulative impact to those downstream.

Macroinvertebrate Mayhem

In this activity participants play a game of tag to simulate how different environmental stressors impact macroinvertebrate populations.



H2O Olympics

In this activity participants learn about water's properties of cohesion and adhesion.

Blue River

In this activity participants use their whole bodies to simulate and explore the movement of water through a river and its watershed during different seasons.



Water for All

In this activity participants learn about different water users and simulate community challenges by carrying a shared water can through obstacles.

Your NC Project WET

State Coordinators

Lauren Daniel (left)

Rebecca Coppa (right)



Photo Credit: Lauren Daniel & Rebecca Coppa



WE ARE HIRING

Environmental Enthusiasts



Why Apply to Work for NCDEQ?

Make an impact: Join a team dedicated to improving the health and prosperity of all North Carolinians!

- Growth Opportunities: Professional development and career advancement opportunities.
- Culture: Value of collaboration, creativity, innovation, diversity, and teamwork.
- Competitive Benefits: Options that will enhance your quality of life, health, wellness, and future.

[Check out all of our current job postings!](#)

LQS Regional Offices' Contact Information

Personnel of the Land Quality Section (LQS) of the NC Department of Environmental Quality provide information and assistance for the implementation of the NC Erosion and Sedimentation Control Program. For assistance, please contact the appropriate Regional Office or the Raleigh Central Office listed below:

Asheville Regional Office

Phone: (828) 296-4500

Regional Engineer:

Stanley Aiken

Raleigh Regional Office

Phone: (919) 791-4200

Regional Engineer:

Bill Denton

Winston-Salem Regional Office

Phone: (336) 776-9800

Regional Engineer:

Tamera Eplin

Fayetteville Regional Office

Phone: (910) 433-3300

Regional Engineer:

Vacant

Washington Regional Office

Phone: (252) 946-6481

Regional Engineer:

Samir Dumpor

Raleigh Central Office

Archdale Building

Phone: (919) 707-9220

Mooreville Regional Office

Phone: (704) 235-2100

Regional Engineer:

Jerry Eplin

Wilmington Regional Office

Phone: (910) 796-7215

Regional Engineer:

Christine Hall

Who Do I Call?

If you have questions or concerns related to erosion and sedimentation control or off-site sedimentation from construction in NC, contact the appropriate local program, LQS regional office, LQS central office or the toll-free hotline.



Local program information:

<https://deq.nc.gov/about/divisions/energy-mineral-land-resources/erosion-sediment-control/local-government-programs>

Toll-Free Hotline:

1-866-STOPMUD