

# SEDIMENTS

State of North Carolina  
Department of Environmental Quality

Division of Energy, Mineral, and Land Resources  
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## ABOUT SEDIMENTS

SEDIMENTS is a newsletter published by 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 Specialist](#).

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## 2022 North Carolina Erosion and Sediment Control Workshop

*Presented by:*

NC Department of Environmental Quality - Land Quality Section

*In partnership with:*

NCSU Department of Crop & Soil Science  
Southeast Chapter - International Erosion Control Association

The NC Erosion and Sedimentation Control (E&SC) Workshop, formerly known as the NC E&SC Design Workshop, was held on December 1, 2022 in Raleigh. This workshop was presented by NC DEQ – Land Quality Section in partnership with NCSU’s Department of Crop & Soil Sciences and the Southeast Chapter of the International Erosion Control Association (SE-IECA). This workshop is meant to educate and familiarize design professionals, contractors, developers, and local governments with new erosion and sediment control requirements and practices. 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. The in-person workshop option had approximately 134 people in attendance, a 34-person increase from last year. And the virtual half-day option had approximately 43 people in attendance, a seven-person decrease from last year.

Morning presenters included representatives from the NCDEQ Erosion and Sediment Control Program, NC Forest Service, NCDAGR, Wake County Local Government, and from private engineering firms. Topics ranged from program updates and overviews, to project examples and soil basics. The afternoon field demonstrations/presentations were conducted by NCSU staff and students. Topics and demonstrations ranged from engineered stormwater swales, grass vs. wildflowers, tillage with and without compost, use of flocculants, silt fence outlets, skimmers, porous baffle functions, different fiber check dam options, and a rainfall simulation.

The workshop materials can now be accessed on the 2022 NC E&SC event page: <https://deq.nc.gov/2022-nc-esc-workshop>

If you have any topic suggestions or would like to present at future programs contact the [Sediment Education Specialist](#).

Future workshop dates will be posted to the NCDEQ E&SC homepage as they become available: <http://deq.nc.gov/E&SC>.

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# 2022 North Carolina Erosion and Sediment Control Workshop

(continued from page 1)



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 8



Photo 9



Photo 7



Photo 10

Photo 1: Dr. Rich McLaughlin of NCSU demonstrating silt fence outlet options. Photo 2: Ferguson representative, Trevor Montague, demonstrating E&SC matting options. Photo 3: Dr. McLaughlin demonstrating plug flow of porous baffles and J.W. Faircloth demonstrating his skimmer. Photo 4: Panel session presenting about the successful E&SC at Wendell Falls. Photo 6: Md Mahfuz Islam and Dr. Christina Kranz demonstrating the difference in turbidity with use of groundcover and PAM in a rainfall simulator. Photo 7: Md Mahfuz Islam and Dr. Christina Kranz presenting on grass vs. wildflowers, tillage with and without compost. Photo 8: Applied Polymer Systems representative, Seva Iwinski Bray, demonstrating floc logs. Photo 9: Silt saver representatives, Keith Potter and Dave Goff, showcasing their inlet protection, silt fence, and wattle products. Photo 10: Emily Leupp presenting on roadside swales.

### The North Carolina 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.

#### Chair:

Dr. Susan White

Water Resources Research Institute

#### Commissioners:

Mr. Steven Wilson

NC Home Builders Association

Ms. Marion Deerhake

NC Environmental Management Commission

Mr. Michael Taylor

Associated General Contractors

Mr. Michael D. Willis

NC Soil and Water Conservation Commission

Mr. Benjamin Brown

NC League of Municipalities & Association of County Commissioners

Dr. Rich McLaughlin

NCSU, Dept. of Soil Science

Mr. Mark Taylor

Professional Engineers of NC

Mr. Hartwell Carson

Non-governmental Conservation

Ms. Emily Sutton

Non-governmental Conservation

Mr. David Beck

NC Public Utilities

Mr. Robert Jason Conner

NC Mining Commission

### NC Sedimentation Control Commission: August Actions

At its hybrid meeting on August 18, 2022 the NC Sedimentation Control Commission (SCC) took the following actions:

#### Delegated Local Programs

- City of Wilson: Voted to continue their delegation authority.
- County of Chatham: Voted to continue their delegation authority.
- County of Catawba: Voted to continue their delegation authority.
- Town of Apex: Voted to continue their delegation authority.
- Town of Holly Springs: Voted to continue their delegation authority.

#### City of High Point Ordinance Review

Provided an informal review of the City's draft local ordinance.

#### SWANC Presentation

At the request of the SCC's Ad-Hoc Committee, members of the Stormwater Association of North Carolina (SWANC) presented on enforcement tools available and in use to Local E&SC Programs. This presentation initiated a lengthy discussion between the SCC, NCDEQ Land Quality Section Staff, and the Local Program representatives in attendance. As a result of this discussion the SCC and LQS stated they will provide feedback to Local Programs on how to track and report the use of the E&SC related enforcement tools available to the Local E&SC Programs of these tools in E&SC enforcement.

### NC Sedimentation Control Commission: November Actions

At its hybrid meeting on November 15, 2022 the NC Sedimentation Control Commission (SCC) took the following actions:

#### Swearing in of Members

Mr. Steve Wilson was appointed to the SCC and took the oath of office at this meeting.

#### Local Program Workshop

Voted to approve funds for a contract with the WRRRI to assist with the planning and execution of the annual Local Program Workshop. Dr. White recused herself from this action item.

#### Delegated Local Programs

- Watauga County: Voted to continue their delegation authority.
- Town of Boone: Voted to continue delegation authority.
- City of High Point: Voted to approve the City's ordinance and to approve delegated authority.

#### NCDOT Annual Program Review

Voted to continue their delegation.

### 2023 SCC Meeting Dates

**Tuesday, Feb. 21, 2023**

**Tuesday, May 23, 2023**

**Tuesday, Aug. 1 2023**

**Tuesday, Nov. 14, 2023**

All meetings are at 10:00 am  
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

## Public Notice: NRCS Published Soil Survey/USGS Topo Mapping Tool Available on DWR Website

This notice is available electronically [here](#).

The Natural Resources Conservation Service (NRCS) launched an updated [website](#) on October 21, 2022. The new site includes a [Soil Surveys by State](#) page for accessing historical soil surveys for download. However, the Division of Water Resources (DWR) has been made aware of issues that many individuals have encountered accessing the most recent version of the published manuscript of the soil survey maps.

In an effort to improve public accessibility to the published soil surveys for North Carolina, DWR has created a NRCS Published Soil Survey / USGS Topo Mapping Tool. The link for this tool may be found on the [Riparian Buffer Protection Program](#) webpage under the [Buffer Mapping Resources section](#). The mapping tool includes publicly available data layers compiled by the NC Department of Transportation (NCDOT- compilation of georeferenced published/ archived NRCS soil surveys) and the US Geological Survey (USGS- [The National Map](#)).

For more details on NCDOT's map layers employed by the tool, refer [here](#).

For details on the USGS Topo Map layers utilized, refer [here](#).

Should verification of information beyond the tool be needed for legal purposes, official copies of soil surveys are available in [county offices](#) (paper copies) as well as the NRCS website. Individuals are advised to ensure they are viewing the topo maps at 1:24,000 scale (paper copy) or 12-15 zoom level ([The National Map](#) online) which accurately shows the National Hydrography Dataset High Resolution data at 1:24,000 scale as required by the buffer rules and [USGS National Map Clarification Notice](#). Individuals are also advised to contact the appropriate [DWR Regional Office](#) for further stream/feature evaluations and buffer applicability determinations.

Please contact the [DWR 401 & Buffer Permitting Branch](#) with any questions.

### 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, regional office, 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



Personnel of the Land Quality Section 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 headquarters listed below:

**Asheville Regional Office**  
Phone: (828) 296-4500

Regional Engineer:  
Stanley Aiken

**Fayetteville Regional Office**  
Phone: (910) 433-3300

Regional Engineer:  
Tim LaBounty

**Mooresville Regional Office**  
Phone: (704) 663-1699

Regional Engineer:  
Zahid Khan

**Raleigh Regional Office**  
Phone: (919) 791-4200

Regional Engineer:  
Bill Denton

**Washington Regional Office**  
Phone: (252) 946-6481

Regional Engineer:  
Samir Dumpor

**Wilmington Regional Office**  
Phone: (910) 796-7215

Regional Engineer:  
Dan Sams

**Winston-Salem Regional Office**  
Phone: (336) 776-9800

Regional Engineer:  
Tamera Eplin

**Raleigh Central Office**  
Archdale Building  
Phone: (919) 707-9220