

Local Programs Annual Erosion and Sedimentation Control Workshop

April 23 – 24, 2024

Speaker Biographies

Pat Donovan-Brandenburg, Stormwater Manager, City of Jacksonville

Presenting: Day 1 Recorded Video Welcome

Pat Donovan-Brandenburg is the Stormwater and Soil/Erosion Control Manager for the City of Jacksonville for the past 24 years. She has worked on cleaning up and opening the New River Watershed starting with the Wilson Bay Initiative in 1999 and now the Oyster Highway. Before her position with the City she worked in the Florida Keys for The Nature Conservancy, John Penne Kamp Coral Reef State Park, Marine Resources Development Foundation and taught at the Florida Keys Community College. Prior to leaving for the keys she worked for the Fort Fisher Aquarium and the Institute for Marine Biomedical Research where she worked on the “Bee Bee Project” in Bermuda. Pat has her Bachelors of Science and Masters of Science in Marine Biology from UNCW.

Lisa Murabito, Executive Director, Sturgeon City Environmental Education Center

Presenting: Day 1 Welcome

Lisa Murabito is the Executive Director of Sturgeon City of Jacksonville since September 2022. With nine years of experience in nonprofits, she brings a wealth of expertise in Community Relations and Marketing. Her career journey includes roles as a Branch Office Administrator at Edward Jones, a Capital Campaign Coordinator for Jacksonville Onslow Economic Development (JOED), and multiple positions at Jacksonville-Onslow Chamber of Commerce. Lisa's dedication extends beyond her professional endeavors; she actively contributes as a member of the Jacksonville Rotary Club, Jacksonville Onslow Military Affairs Committee, and Jacksonville Onslow Business Diversity Committee.

Julie Coco, PE, State Sediment Specialist, DEQ-DEMLR

Co-presenting: Objective for the Day and Local Program Introductions

Presenting: Sedimentation Program News & Updates

Julie Coco is the State Sedimentation Program Engineer for the North Carolina Department of Environmental Quality's Division of Energy, Mineral, and Land Resources. She holds a B.S. Degree in Civil Engineering from Louisiana Tech University and a Graduate Certificate from NCSU in Geographical Information Systems. Her experience includes work in private practice and previous work in state government involving flood control, stormwater, erosion control, and permitting.

Graham Parrish, PE, Assistant State Sediment Specialist, NCDEQ-DEMLR

Co-presenting: Objective for the Day and Local Program Introductions

Presenting: Local Program Updates & Q&A Session

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Graham has a B.S. in Environmental Engineering from NC State University and has been with the NCDEQ's Erosion Program for almost four years and recently passed his PE exam!

Karyn Pageau, EI, CPESC, CESSWI, Environmental Health Manager, Wake County

Co-presenting: Bridging the Gap in Inspection Frequency, Part 1

Karyn began her 28-year career in erosion control and conservation, with the federal government on the farm. She then worked for NCDEQ for approximately 11 years and has transitioned to local government the last 8+ years. She has appreciated being a plan reviewer, inspector, and Assistant State Sediment Specialist to name a few of her roles and enjoys all things Erosion Control. Karyn also currently serves as the Vice-Chair on the Sedimentation Control Commission's Technical Committee and as the NC Representative on the SE Chapter - International Erosion Control Association.

Betsy Pearce, CPSWQ, CFM, Program Lead - Post Construction Stormwater, Wake County

Co-presenting: Bridging the Gap in Inspection Frequency, Part 1

Betsy Pearce leads the Post Construction Stormwater Group for Wake County. She has a BS in Mathematics from Davidson College and a Masters in Environmental Management from Duke University. Her experience includes over 35 years of work in State and Local government including water quality modeling, GIS, stormwater, floodplain management, and erosion control.

Dr. Rich McLaughlin, NCSU, Retired

Co-presenting: Research Results to Keep You Out of Trouble

Dr. Richard A. McLaughlin is a retired Professor in the Department of Crop and Soil Sciences at North Carolina State University where he has 27 years of experience in research and education on all aspects of erosion, sediment, and turbidity control on construction sites. He developed the Sediment and Erosion Control Research and Education Facility over 20 years ago where research has been conducted in all three areas with rapid transfer of that information through workshops and hands-on demonstrations there and throughout the country. His research has led to the adoption of numerous innovations which have been adopted in many states to increase sediment capture efficiency. He was co-developer of the now-required Construction Site Stormwater Control Certification program with the North Carolina Department of Transportation, with roughly 2,000 trained annually. More recently, he has collaborated with colleagues to develop methods to economically remediate construction site soils. He was the recipient of the 2010 Training Program Award and the 2020 Environmental Excellence Award from the International Erosion Control Association and the 2010 Applied Research Award from the Soil Science Society of America.

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Dr. Christina Kranz, NCSU

Co-presenting: Research Results to Keep You Out of Trouble

Dr. Christina Kranz is in the Department of Crop and Soil Sciences at North Carolina State University. She teaches introductory soil sciences courses and conducts research through the Sediment and Erosion Control Research and Education Facility. Her research focuses on sediment and erosion control, water quality, and stormwater management in urban and post-construction soils. Christina has spent many years working with the North Carolina DOT to help improve their best management practices for soil improvement. She regularly provides training and field tips Sediment and Erosion Control Research and Education Facility.

Annette Lucas, Practice Lead, Stormwater Program, McAdams

Co-presenting: Stormwater Retrofit Pilot Cost-Share Program

Annette Lucas, PE is the Stormwater Program Practice Lead at McAdams in Durham, NC. Prior to joining the McAdams team, she served as the supervisor of the NCDEQ Stormwater Program, where she managed a large team and a diverse array of stormwater programs, including the MS4 Program, the Post-Construction Program and the NPDES Industrial Stormwater Program. At McAdams, Annette supports municipal, agency, and industrial clients with the programmatic aspects of stormwater management. Annette has a Master's in Civil Engineering from NC State University and a Bachelor's in Public Policy Studies from Duke University.

Lauren Kolodiji, Deputy Director, NC Coastal Federation

Co-presenting: Stormwater Retrofit Pilot Cost-Share Program

Biography.

Lauren Kolodij is Deputy Director of the North Carolina Coastal Federation. She has worked with the Federation since 1982. Lauren collaborates with state and local government agencies, consultants, businesses, academia, non-profits and other sectors to advance nature-based stormwater strategies and low-impact development policy and practices. Lauren is liaison to the Coastal Federation's Board of Directors and Executive Committee and is staff lead of the Federation's board level Diversity, Equity Inclusion and Justice Committee. Lauren has a BS Environmental Conservation from North Carolina State University.

Barney Blackburn, PE, CPESC, CPSWQ, Environmental Engineer Supervisor – Plan Review Program Lead, Wake County

Presenting: Wake County's Education & Outreach

Barney Blackburn is currently the Plan Review Program Lead for Wake County Watershed Management. He has been with Wake County for seven years and supervises a team of four engineers.

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The Wake County Plan Review Team is responsible for reviewing Erosion & Sediment Control, Stormwater & Floodplain Management permit applications within the county's jurisdiction and five municipalities. In addition to Wake County, he has work experience with NCDOT, AECOM, STV, and the Town of Fuquay-Varina.

Charles Brown, CFM, Stormwater Field Services Administrator, Town of Cary

Presenting: Erosion Control - A plan to sustainability

Charles Brown is the Stormwater Field Services Administrator for Cary. He started his career with NCDENR regional office in Raleigh in the surface water quality program for 10 years. He has been with Cary for 21 years and in the stormwater division for 19. He has worked as an Erosion Control Inspector and then leading the NPDES Phase 2 permit compliance for Cary. In his current position he supervises the erosion control program, 311 call center stormwater issues, and illegal discharge program.

Ryan Eaves, PE, CFM, CPESC, Durham County

Presenting: Triassic Park: Durham County's New Requirements to Address the Challenges of Triassic Soils

Ryan D. Eaves is the Stormwater and Erosion Control Division Manager for Durham County in Durham, North Carolina. A native of Athens, Georgia, Ryan holds a Bachelor's in Environmental Science from Virginia Tech and a Master's of Public Administration from the University of Georgia. Ryan is a Licensed Professional Engineer, Certified Floodplain Manager and Certified Professional in Erosion and Sediment Control. He has over 17 years of local government stormwater and erosion control experience

John Parrish, CPESC, CPSWQ, GETSCO, Inc.

Presenting: Correct application & what to look for in the field

John graduated from NC State in 1989 after which he worked for 7 years with NRCS in the Piedmont and Coastal Plain. John began in the E&SC and soil stabilization material supply business in 1996. He was a County Supervisor for Vance CO SWCD for 10 years and currently works with contractors to find the best solutions for their needs, and is often able to provide more than one option. John also currently serves on the Sedimentation Control Commission - Commission's Technical Committee and is glad to be helping the committee review and update NC E&SC practice standards.

Robby Deans, NCDEQ DEMLR LQS WSRO

Presenting: Vegetative Stabilization: An Inspector's Guide

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Robby Deans is an Environmental Specialist with the Winston-Salem Regional Office. He got his Bachelor's and Master's in Biology at East Carolina University and a PhD in Ecology at The University of Texas at Austin. He is an avid naturalist and he enjoys the hiking and plant identification involved in erosion control inspections.

Rebecca Coppa, State Sediment Education Specialist, NCDEQ-DEMLR

Virtual workshop moderator

Rebecca has a B.S. in Environmental Engineering and minor in Environmental Science from Worcester Polytechnic Institute (WPI) in Massachusetts and has been with NCDEQ's Erosion Program for almost six years now. Rebecca is also a Co-State Coordinator for Project WET or Water Education Today.

Anna A. Martin, NC WRRI and NC Sea Grant

In-person workshop coordinator

Anna Martin works as the Program Coordinator for both NC WRRI and NC Sea Grant at NC State University. She has been with the programs since 2007 and previously served as an Environmental Specialist at DEQ (Land Quality Section) and a science educator at the NC Museum of Natural Sciences after receiving a B.S. in Natural Resource Management at NC State.