

Clear Water AlabamaTM 2022
Daphne Civic Center
Daphne, AL



Seminar
September 21, 2022

Clear Water: Creek to Coast

Presented by:
The Alabama Soil and Water Conservation Committee,
Alabama's Erosion and Sediment Control Partnership, and
The Alabama Stormwater Association

Clear Water Alabama^{TN} 2022
Clear Water: Creek to Coast
Wednesday September 21, 2022 - Seminar Agenda
(6.0 PDHs or 0.6 CEUs)

Purpose: Provide relevant training to erosion and sediment control professionals and others involved in planning, designing, installing, and inspecting erosion control, sediment control and stormwater management systems.

Morning Moderator – Alex James, AL Soil and Water Conservation Committee

- 7:30 a.m. On-Site Registration begins (continental breakfast provided by **Thompson Engineering**)
- 8:30 a.m. **Welcome and Plans for the Day**
Bill Puckett, PhD, AL Soil and Water Conservation Committee, Montgomery, AL
- 8:35 a.m. **Welcome to Daphne**
Robin LeJeune, Mayor of Daphne
- 8:40 a.m. **Keynote: Clear Water: Creek to Coast**
Ben Raines, award-winning environmental journalist, filmmaker, and charter captain.
Introduced by:
Barry Fagan, PE/PLS, ENV SP, CPMSM, CPESC, CESSWI, Vice President FAGAN, Prattville, AL
- 9:20 a.m. **ADEM: Regulatory Update and Construction Stormwater Local Issues**
ADEM Reps. James Carlson and Hayden Deyton
- 10:00 a.m. **Meet Your Industry Reps** (1/2 of industry sponsors, 1 minute each)
- 10:05 a.m. **Break and Product Reviews with Exhibitors**
(Break provided by **C. H. Fenstermaker and Associates, LLC**)
- 10:35 a.m. **The 2022 Blue Book: Major Changes from 2018**
Perry L Oakes, PE, AL Erosion and Sediment Control Program Coordinator, Auburn, AL
- 11:05 a.m. **AU-Stormwater Research Facility Update**
Wesley Donald, PhD, Auburn University, Auburn, AL
- 12:00 p.m. **Meet your Industry Reps** (1/2 of industry sponsors, 1 minute each)
- 12:05 p.m. **Lunch** (provided by **Hanes Geo Components, Inc.**)
- Clear Water Alabama Award of Excellence Presentation,
Alabama Stormwater Association Update, and
Product Reviews with Exhibitors

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Afternoon Moderator – Earl Norton, CPESC, CPAg. AL Soil and Water Conservation Committee

- 12:45 p.m. **A Fireside Chat: Public Stormwater Systems on Private Property – An Open Conversation**
Barry Fagan, PE/PLS, ENV SP, CPMSM, CPESC, CESSWI, Vice President FAGAN, Prattville, AL
Richard Johnson PE, City of Fairhope, Public Works Director
Joel Coleman, V.P. of Development – TerraCore Development Services
Chad Yarbrough, Fairfield Place Homeowners Association
- 1:45 p.m. **Bon Secour River Constructed Wetland**
Andrew E James, PE - Environmental Design Manager, Volkert, Inc., Gulf Shores, AL
- 2:15 p.m. **Break and Product Reviews with Exhibitors**
(Break provided by **Flexamat (Motz Enterprises, Inc.)**)
- 2:45 p.m. **Mobile Bay NEP Update**
Roberta Swann, Director, Mobile Bay NEP, Mobile, AL
- 3:15 p.m. **LID Manual for the City of Mobile**
Rosemary Ginn, PE, Assistant City Engineer, City of Mobile
- 3:45 p.m. **The US 98 Story**
Barry Fagan, PE/PLS, ENV SP, CPMSM, CPESC, CESSWI, Fagan Consulting LLC, Prattville, AL
- 4:15 p.m. **Keeping the Water Clear Around Fairhope**
Richard Johnson, PE, Public Works Director, City of Fairhope, AL
- 4:50 p.m. **Door Prizes, Close Out, and Plans for Field Day**
Mobile and Baldwin County SWCDs and Exhibitors
- 5:00 p.m. **Pick up Seminar Certificate**
- 5:10 p.m. **Alabama Stormwater Association meeting**
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Alabama's Erosion and Sediment Control Partnership

State-wide Steering Committee

Alabama Soil and Water Conservation Committee, Chair
Alabama Chapter of the Soil and Water Conservation Society
Alabama Association of Conservation Districts
Alabama Associated General Contractors
Alabama Cooperative Extension System
Alabama Department of Environmental Management
Alabama Department of Transportation
Auburn University
Auburn University Stormwater Research Facility
Home Builders Association of Alabama
Natural Resources Conservation Service

Industry Sponsors (State-wide)

Alabama Power Company
Applied Polymer Systems, Inc.
American Excelsior Co.
EnviroCert International, Inc.
Erosion Pros, LLC
J W Faircloth and Son Inc.
Flexamat (Motz Enterprises, Inc.)
Hanes Geo Components, Inc.
Silt-Saver Inc.
Southeast Environmental Consultants
Sunshine Supplies, Inc.

Local Sponsors

Baldwin and Mobile County Conservation Districts
Cities of Daphne, Mobile, Fairhope, and Foley
Mobile and Baldwin County Commissions
AL Department of Transportation
Volkert
Vulcan

Exhibitors

Alabama Pipe & Supply Inc.
American Excelsior Co.
Applied Polymer Systems, Inc.
Auburn University Stormwater Research Facility
Campbell Environmental Supply and Consulting
Erosion Pros, LLC
Flexamat (Motz Enterprises, Inc.)
FODS, LLC
Hanes Geo Components, Inc.
Silt-Saver Inc.
Sunshine Supplies, Inc.
The Dumpster Guy

**Thanks to All Sponsors, Exhibitors, and Attendees
for
Supporting Clear Water Alabama
And
Helping to Protect Our Natural Resources**

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Seminar Speakers:

William E. Puckett, Ph.D., Executive Director, Alabama State Soil and Water Conservation Committee, Montgomery, Alabama

Dr. Puckett has more than three decades of experience in soil and water conservation. Puckett currently serves as the Executive Director of Alabama's Soil and Water Conservation Committee (SWCC) where he leads 67 conservation districts in a statewide effort to implement locally-led conservation priorities. He also provides leadership for the Alabama Agricultural Conservation and Development Commission. The Commission provides cost-share for installation of conservation practices. Prior to taking on this role with SWCC, he served as State Conservationist with the USDA Natural Resources Conservation Service (NRCS) in Alabama for six years. Before coming to Alabama, Dr. Puckett was the NRCS Deputy Chief for Science and Technology and Soil Survey and Resource Assessment in Washington, D.C. He was also Director of the NRCS Soil Quality Institute. Dr. Puckett is known for his proactive approach, can-do attitude, and building effective partnerships with a host of organizations and agencies committed to soil and water conservation and the wise stewardship of Alabama's natural resources.



Ben Raines is an environmental journalist and filmmaker. In 2018, he discovered the wreck of the *Clotilda*, the last ship carrying enslaved Africans to arrive in the United States. His new book, *The Last Slave Ship – The True Story of How Clotilda Was Found, Her Descendants, and an Extraordinary Reckoning*, published Jan. 25, 2022. Raines has won dozens of awards for his coverage of environmental issues and has coauthored several peer-reviewed papers published in scientific journals. He wrote and directed *The Underwater Forest*, an award-winning film about the exploration of a 70,000-year-old cypress forest found off the Alabama coast. Raines also wrote and produced the documentary *America's Amazon*, which has aired on PBS stations around the country and been distributed to public schools across Alabama. His underwater film work has appeared in documentaries on the Discovery Channel and National Geographic TV. Raines also wrote the award-winning nature book, *Saving America's Amazon*, and co-authored the book *Heart of a Patriot* with U.S. Sen. Max Cleland, which chronicled Cleland's journey from triple amputee after a grenade accident in Vietnam to the U.S. Senate. Ben is a graduate of New York University's Tisch School of the Arts with a degree in filmmaking, and is a U.S. Coast Guard-licensed captain, giving tours of the Mobile-Tensaw Delta and Alabama's barrier islands. He lives with his wife in Fairhope, Alabama, and aboard the *Suzanne*, an 82 year old river boat moored on the Tensaw River.



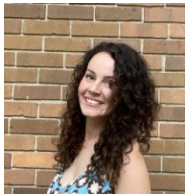
Barry Fagan, PE/PLS, ENV SP, CPESC, CPMSM, CESSWI is a stormwater and sustainability professional who supports infrastructure development at the intersection of built and natural environments. Barry's expertise is based on decades of managing stormwater programs and infrastructure projects, and promoting environmental responsibility in transportation, renewable energy, and urban settings. Barry and his wife, Tracey recently formed Fagan Consulting LLC, to further their mission of helping good people deliver livable, sustainable, and resilient infrastructure.



James “Jimbo” Carlson, P.E., Mr. Carlson began his career with ADEM in 1997 as an environmental engineer in the Department’s Air Pollution Program. In 2005, Mr. Carlson became Chief of Facilities Engineering Section in the Department’s Hazardous Waste Branch. In 2008, he headed up the new NPDES Enforcement Section in ADEM’s Water Division. In 2010, Mr. Carlson returned to the Air Division as the Chief of the Industrial Minerals Section.

In July of 2019, Mr. Carlson assumed his current position as Chief of the Stormwater Management Branch in the Water Division. In this role, he is responsible for NPDES permitting of mining activities, construction stormwater, and municipal separate storm sewer systems (MS4). He is also responsible for compliance and enforcement for the mining and MS4 entities.

Mr. Carlson graduated from Auburn University in 1996 with a Bachelor of Science in Civil Engineering. He is a Certified Public Manager and is a registered Professional Engineer in Alabama.



Hayden Deyton currently works for the Alabama Department of Environmental Management as a Senior Environmental Scientist. She started her career at ADEM in 2016 working in the Air Division. She transferred to the Mobile Field Ops in 2020. At present, she is responsible for Construction Stormwater inspections, compliance, and enforcement for Baldwin, Choctaw, and Washington County. She also conducts mining pit inspections and investigates complaints received by the Department



Perry L Oakes, PE: Perry Oakes is retired from the USDA - Natural Resources Conservation Service after a 35-year career. Perry currently works under contract as the Erosion and Sediment Control Program Coordinator for the Alabama Soil and Water Conservation Committee. During his career he served as a Project Engineer for construction and as the Agricultural Engineer at the Alabama Fish Farming Center in Greensboro. Perry served as the State Conservation Engineer for the last 19 years of his federal career. Perry has a BS and MS in Agricultural Engineering from Auburn

University and is a registered Professional Engineer in Alabama. Perry has worked closely in the development and revisions of the Erosion and Sediment Control Handbook in Alabama. Since retirement, Perry was contracted to coordinate the most recent revisions to the Handbook and accompanying Field Guide. In January 2021, Perry assumed the lead role as Program Coordinator. Perry is active in the Alabama Chapter of the Soil and Water Conservation Society. Perry is married, has 2 daughters, and 6 grandchildren.



Dr. Wesley Donald is currently a Research Fellow in the Department of Civil and Environmental Engineering at Auburn University. Dr. Donald received a Bachelors, Masters, and Doctoral degrees in Civil Engineering from Auburn University. The focus of his doctoral research was on the use of ditch check practices in channelized flow for controlling erosion on highway construction sites. Dr. Donald has performed research in ditch check, sediment barriers, erosion controls under rainfall simulation, sediment basins, flocculants, and catch basin inserts for post-construction water quality control. Dr. Donald also provides training in erosion and sediment control technologies to industry practitioners along with formal instruction to both undergraduate and graduate students at Auburn University.



Richard D. Johnson, PE - Richard has served as the Director of Public Works for the City of Fairhope since September of 2017. Prior to coming to Fairhope, he served as the Director of Public Works for the City of Daphne for seven years. He is a Licensed Professional Civil Engineer. He has been married to his wife Louise for the past 23 years and they have two sons: Russell and Patrick. Russell works line crew with Baldwin EMC and Patrick is enrolled in Building Science at Auburn University.

He enjoys the challenge of municipal Public Works Operations which in Fairhope includes: Streets & Drainage, Sanitation (comprised of garbage, trash, recycling & transfer/landfill), Horticulture, Building Maintenance, Mechanical Maintenance, Administration and Engineering. He directs a Department of 90 dedicated public servants and has really enjoyed his interaction with and being involved in the City's world-renown horticulture program, especially our street flowers. In addition, Public Works infrastructure projects are a passion, and he enjoys all aspects of the process from conceptual to finished improvement. He was a recent recipient of an Environmental Stewardship award from Baldwin County



Joel Coleman is Vice-President of Development for TerraCore Development, Joel oversees all activities of the land acquisition, engineering, and construction teams. He ensures the successful procurement, as well as the feasible design/entitlement and timely delivery of completed projects. Joel also currently serves as President of the City of Daphne City Council.

Joel grew up in Mobile, AL before enrolling at Auburn University where he graduated with a bachelor's degree in civil engineering and a master's degree in environmental engineering. After practicing as a Licensed P.E. for 20 years in a mid-sized, family owned surveying/engineering company, Rester and Coleman Engineers, he was hired by D.R. Horton as the Land Development Project Manager for the Northern Gulf Coast Division where he remained for almost 10 years before joining TerraCore. Joel is also a Professional Engineer licensed in AL, FL, and MS.

Joel is happily married to his wife, Angel, and they have two daughters – Emma and Chloe. He enjoys traveling, hiking, music, and attending live sporting events in his free time.



Chad Yarbrough is originally from Dadeville, Alabama, and grew up on Lake Martin. Chad is a graduate of Dadeville High School. He attended Troy University on a football scholarship and earning a Bachelor of Science degree in Political Science in 1995. After college he went into law enforcement before getting into the banking industry in 2000. Mr. Yarbrough has worked for banks in the Montgomery and Troy areas and has 20+ years' experience in the real estate banking areas. Chad currently holds the position of Senior Vice President at United Bank as a commercial lender. Also serves as the

Chairman of the Board for the Baldwin County Library Cooperative, Inc. and currently serves as President of the Fairfield Place Homeowner's Association.



Andrew E. James, PE, Andrew is the Environmental Design Manager for Volkert, Inc. in Gulf Shores, Alabama. Mr. James leads Volkert's Environmental Design Group. A two-time Auburn Grad with a Bachelor's and Master's of Civil Engineering, his experience spans multiple areas of Civil Engineering including Transportation Planning, Geometric Design, Structural Analysis, and Site Design. His passion has been in the area of Water Resources with several award winning projects in environmental restoration. Voted the Mobile Area Council of Engineer's Young Engineer of the year in 2017, his D'Olive Creek Restoration won the project of the year in 2018. He enjoys sharing his knowledge in stream design, hydraulic and hydrologic analysis, and training the next generation of designers. He is married to his wife of 16 years, Gabrielle, and has two sons Aidyn (15) and Nolan (12). When not in a wetland or creek, he is an avid competition axe thrower, hunter, and owns and operates a hobby sawmill.



Roberta Swann, Director of Mobile Bay National Estuary Program
As Director of the Mobile Bay National Estuary Program (MBNEP), Roberta guides a management conference of over 100 community leaders in undertaking restoration, capacity building, and policy related initiatives to improve and protect Alabama's coastal resources with a focus on watershed planning. Before joining MBNEP in 2004, she worked with the Dauphin Island Sea Lab to establish a foundation to support its activities and with Dauphin Island Bird Sanctuaries to oversee a campaign to protect migratory bird habitat. Prior to moving to Alabama, Roberta was Assistant Director of the Community Redevelopment Department of City of Lafayette, IN where she led community development initiatives for housing, public facilities, infrastructure, and economic development in low-income areas. As a Peace Corps Volunteer in West Africa, she taught business practices to seven village cooperatives. Roberta is a native of Melrose, Massachusetts and earned a BS in Economics from the University of Massachusetts and an MBA from Boston University.



Rosemary Ginn is a Professional Engineer, Certified Professional in Municipal Storm Water Management (CPMSM), as well as a Certified Flood Plain Manager (CFM) and Assistant City Engineer for the City of Mobile. Rosemary has been with the City for 17 years and manages the Environmental Section of the Engineering department. She has managed the City's stormwater management program since 2014.

Before coming to the City, Rosemary was a design consultant for 12 years working on various drainage and transportation projects for DOTs and municipalities.

She is very proud of her daughter, Saragrace, a recent Auburn graduate and her son, Tom, a junior in high school and is passionate about all things Auburn. War Eagle!