

Sustainable Sediment Management Short Course (Virtual)

Course Directors

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Module 1 – Introduction to Sustainable Sediment Management

Tuesday, December 9 (1:00 – 3:00 PM ET)

- 1:00 – 1:15 PM Introduction and Course Objectives - *Dr. Ram Mohan*
- 1:15 – 2:00 PM Fundamentals of Dredging & Dredged Material Management – *Dr. Ram Mohan, UGA IRIS*
- 2:00 – 2:45 PM The Case for Sustainable Sediment Management - *Dr. Todd Bridges, UGA IRIS*
- 2:45 – 3:00 PM Open Discussion (Q&A Session)

Thursday, December 11 (1:00 – 3:00 PM ET)

- 1:00 – 1:45 PM Sustainable Sediment Management Considerations and Basic Concepts of Sediment Balance - *Dr. Brian Bledsoe, UGA IRIS*
- 1:45 - 2:30 PM Beneficial Uses of Dredged Material – *Dr. Burton Suedel, USACE ERDC*
- 2:30 - 3:00 PM Dredging Project Management – *Robert Ramsdell, Dredging Consultant (formerly GLDD)*

Module 2 - Dredge Types and Project Considerations

Tuesday, December 16 (1:00 – 3:00 PM ET)

- 1:00 – 2:00 PM Mechanical Dredges – *Dr. Don Hayes, The Dredging Professor*
- 2:00 – 3:00 PM Hydraulic Dredges – *Bill Wetta, Dredge Supply Company*

Thursday, December 18 (1:00 – 3:00 PM ET)

- 1:00 – 1:45 PM Cutter Suction and Hopper Dredges – *Connor Tennant, Manson Construction Company*
- 1:45 – 2:30 PM Environmental Dredging Case Studies – *Steve Shaw, Severson Environmental*
- 2:30 - 3:00 PM Data Needs for Sustainable Sediment Projects – *Dr. Ram Mohan, UGA IRIS*

Module 3 - Executing Sustainable Sediment Management Projects

Tuesday, January 6 (1:00 – 3:00 PM ET)

- 1:00 – 1:30 PM Regional Sediment Management Principles & Examples – *Dr. Amanda Tritinger, USACE ERDC*
- 1:30 – 2:15 PM Sediment Transport Modeling and Considerations for Beneficial Use Projects – *Dr. Tahirih Lackey, USACE ERDC*
- 2:15 – 3:00 PM BU and Sustainable Sediment Management Case Studies from the Great Lakes Region– *Joshua Unghire, USACE Buffalo District*

Thursday, January 8 (1:00 – 3:00 PM ET)

- 1:00 – 1:45 PM Sediment Processes and Innovations for Beneficial Use Applications – *TBD*
- 1:45 – 2:30 PM Strategic Sediment Placement and Sediment Pulse Applications for SSM – Experience from the USACE San Francisco District – *Tiffany Cheng, USACE San Francisco*
- 2:30 – 3:00 PM Planning and Permitting a Sustainable Sediment Management Project – *TBD*

Module 4 - Beneficial Uses of Dredged Materials

Tuesday, January 13 (1:00 – 3:00 PM ET)

- 1:00 – 1:30 PM Thin Layer Placement Guidelines for Wetland Restoration – *Dr. Ram Mohan, UGA IRIS*
- 1:30 – 2:15 PM Upper Mississippi Beneficial Use Case Studies – *Andrew Timmis, JF Brennan Company*
- 2:15 – 3:00 PM Lower Mississippi River Case Study – *Sean Duffy, Big River Coalition*

Thursday, January 15 (1:00 – 3:00 PM ET)

- 1:00 – 1:30 PM Deer Island BU Project: Design and Construction Case Study – *Wendell Mears, Anchor QEA, Inc.*
- 1:30 – 2:15 PM Monitoring and Adaptive Management Considerations for Sustainable Sediment Management – *Samuel Whittin, EA Engineering*
- 2:15 – 3:00 PM Clearing Hurdles to Sustainable Sediment Management and Roadmap to Success – *Dr. Ram Mohan, UGA IRIS*

Module 5 - New Frontiers in Sustainable Sediment Management

Tuesday, January 20 (1:00 – 3:00 PM ET)

- 1:00 – 1:45 PM Ecological Considerations and Case Studies for Sustainable Sediment Management – *TBD*
- 1:45 – 2:30 PM Sustainable Sediment Management R&D Projects at Seven Mile Island, New Jersey – *TBD*
- 2:30 – 3:00 PM Development of a Strategic Plan to Advance Beneficial Use of Dredged Material – *Todd Merendino, Ducks Unlimited*

Thursday, January 22 (1:00 – 3:00 PM ET)

- 1:00 – 1:45 PM The Four Coasts: Combining Engineering with Landscape Design for Sustainable Sediment Management - *Rob Holmes, Auburn University*
- 1:45 – 2:30 PM A Vision for Sustainable and Resilient Infrastructure – *Dr. Brian Bledsoe, UGA IRIS*
- 2:30 – 3:00 PM Open Discussion (Q&A Session) & Closing