AGENDA

River Course 101 – Stream Morphology Assessment

https://www.bae.ncsu.edu/workshops-conferences/rc-101/

This 3-day workshop introduces concepts of fluvial geomorphology and stream processes related to channel and floodplain formation, bankfull stage identification, regional hydraulic geometry curves, applications of the Rosgen classification system for natural streams in the Southeast, and stream stability assessment. Participants work in small groups in the field to measure stream physical conditions and calculate stream morphology relationships for channel dimension, pattern, and profile. Participants also learn about field techniques for measuring streambank erosion, pebble count techniques for substrate analysis, and channel stability assessment.

DAY 1

7:30 a.m.	Registration
8:00 a.m.	**Classroom Discussion: Stream Morphology, Ecology & Classification**
12:15 p.m.	Lunch (provided)
1:00 p.m.	**Field Trip: Local Stream #1** (Transportation Provided) • Bankfull Identification, cross-section measurements
5:00 p.m.	Adjourn

DAY 2

8:00 a.m.	**Classroom Discussion:** • **Stream Classification Review and Exercise** • **Stream Restoration Planning and Design**
11:00 a.m.	**Field Trip: Local Stream #2** (Transportation Provided) • Reference Reach Survey: cross-section, pattern, profile, pebble count and stream classification
11:30 a.m.	Boxed Lunch (provided)
12:30 p.m.	**Continue Field Trip Exercises**
5:00 p.m.	Adjourn

DAY 3

8:00 a.m.	**Classroom Discussion: Reference Reach Data Compilation and Analysis Using Spreadsheet and Stream Stability Assessment**
11:30 p.m.	Lunch (provided)
1:00 p.m.	**Field Trip: Local Stream #3** (Transportation Provided) • Bank Stability and Substance Sampling
3:00 p.m.	Adjourn

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