

Natural Channel Design Review Checklist Workshop

Agenda

Day 1

- 8:30 Welcome and Overview of the Course
- 8:40 Overview of the NCD Review Checklist
- 9:00 Watershed Assessment and Hydrology
- 9:50 Complete Watershed Assessment and Hydrology Portion of Checklist for Case Study
- 10:45 Break
- 11:00 Reach Delineation, Valley Type, and Basemapping
- 11:45 Lunch Break
- 1:00 Review Reach Delineation, Valley Type, and Basemapping for Case Study
- 1:45 Channel Forming Discharge
- 2:15 Break
- 2:30 Rosgen Stream Classification
- 3:30 Break
- 3:45 Field Visit to local streams to see different stream and valley types
- 5:00 Adjourn

Day 2

- 8:00 Bankfull Identification and Verification
- 8:45 Bankfull Verification Portion of Checklist for Case Study
- 9:30 Break
- 9:45 Channel and Floodplain Hydraulics
- 10:45 Complete Hydraulic Portion of Checklist for Case Study
- 11:45 Lunch
- 1:00 Bankfull Verification Field Exercise
- 2:30 Geomorphic Assessment
- 3:15 Channel Evolution
- 4:00 Complete Geomorphic Assessment Portion of Checklist
- 5:00 Adjourn

Day 3

- 8:00 Complete Geomorphic Assessment Portion of Checklist
- 8:30 Function-Based Goals/Objectives and Restoration Potential
- 9:00 Complete goals/objectives and restoration potential portion of checklist
- 9:30 Priority Levels of Restoration
- 10:15 Break
- 10:30 Channel Form Measurements and Ratios
- 11:30 Lunch Break
- 1:00 Field Tour to Discuss Channel Form Ratios and Evolution
- 3:00 Developing Design Criteria (with a break)
- 4:15 Review Design Criteria in Case Study and Complete Checklist
- 5:00 Adjourn

Day 4

- 8:00 Overview of Natural Channel Design Methodology
- 9:00 Review Conceptual Design and Complete Checklist
- 10:30 Sediment Transport
- 11:30 Lunch
- 12:45 Complete Sediment Transport Portion of Checklist for Case Study
- 1:30 In-Stream Structures (with break)
- 3:00 Review In-Stream Structure Design
- 3:45 Overall Review / Discussion
- 4:45 Introduce Field Inspection
- 5:00 Adjourn

Day 5

- 8:30 Field Inspection of a Local Natural Channel Design Project
- 12:00 Adjourn