

Developing TMDLs Using the Reference Watershed Approach for Biological Impairments in Rivers and Streams

Workshop Objectives:

- To provide an overview of bioassessment and biological TMDLs across the U.S.
- To step through examples of stressor analysis for identification of impairment causes.
- To step through development of a TMDL for a biological impairment using the GWLF model and the reference watershed approach.
- To identify resources useful for development of TMDLs for biological impairments.

Workshop Schedule:

7:30 – 7:45 amIntroduction
7:45 – 8:00 am1. A TMDL Project Team
8:00 – 8:30 am2. Biological Integrity, Assessment, and Impairments
8:30 – 9:30 am3. Causality and Stressor Analysis

9:30 – 9:45 amBreak

9:45 – 10:00 am4. The Reference Watershed Approach
Exercise 1: TMDL Reference Watershed Selection

10:00 – 10:15 am5. Introduction to GWLF
10:15 – 10:45 am6. GWLF Input and Output
Exercise 2: Creating GWLF input files for a new watershed

Exercise 3: TMDL Load Calculation

10:45 – 11:15 pm7. Post-Processing GWLF Model Output
11:15 – 11:45 pm8. Data Needs and Sources
11:45 – 12:00 noonQuestions and Discussion, Evaluation

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