

Using GWLF for TMDL Development

Workshop Objectives:

- To step through development of a TMDL using the GWLF model and the reference watershed approach.
- To identify resources useful for assessing values for GWLF model parameters.

Workshop Schedule:

7:30 – 7:45 am1. Introduction to GWLF

7:45 – 8:30 am2. GWLF Input and Output

Exercise 1: Using the GWLF 2.0 DOS Interface

8:30 – 9:45 am3. The Reference Watershed Approach

Exercise 2: TMDL Reference Watershed Selection

Exercise 3: Output Comparison with VT-modified

GWLF

Exercise 4: Creating GWLF Input Files for a New

Watershed

Exercise 5a: TMDL Load Calculation Concepts

Exercise 5b: TMDL Load Modeling

9:45 – 10:00 am----- Break -----

10:00 – 10:30 am4. Hydrologic Calibration

Exercise 6: Baseflow Separation using HYSEP

Exercise 7: Hydrologic Calibration with GWLF

10:30 – 11:00 am5. Modeling Sub-watersheds with GWLF

Exercise 8: Running GWLF with Sub-watersheds

11:00 – 11:15 pm6. Post-Processing GWLF Model Output

11:15 – 11:45 pm7. Data Needs and Sources

11:45 – 12:00 noonQuestions and Discussion, Evaluation

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