This module will describe the major measures of water quality that are used by citizen samplers, university researchers, environmental consulting firms, regulatory agencies and others. It will provide an overview of basic field chemistry and its relevance to waterbody health, then delve into more specific indicators for nutrients, pathogens, metals and other laboratory chemistry assessments. The interactions of water parameters, temporal fluctuations, and other important assessment considerations will also be covered.

**AGENDA**

9:30 Welcome and Introductions (10 minutes)

9:40 Overview of Water Quality Basics (20 minutes)

10:10 Hydrology / Hydraulics (50 minutes)

11:00 BREAK (15 minutes)

11:15 Geomorphology (45 minutes)

12:00 LUNCH (30 minutes)

12:30 Water Habitat (45 minutes)

1:15 ACTIVITY and BREAK (30 minutes) – Rate that Habitat!

1:45 Physical and Chemical Properties (75 minutes)

3:00 ACTIVITY BREAK (30 minutes) – Water Quality Jeopardy

3:30 Water Biology (30 minutes)

4:00 ACTIVITY BREAK – Macro Mania (30 minutes)

4:30 Adjourn