Dr. Scott Wells will conduct a CE-QUAL-W2 training session at the Association of Clean Water Administrators (ACWA) meeting in October 2023 in Salt Lake City. The training session will include the following elements:

1. Lecture and example problems for attendees for October 24, 25 and 26 (Tuesday-Thursday) between 9 am and 5 pm each day with a morning (15 min), lunch (1 hour), and afternoon break (20 min). The lectures will be limited to approximately 1.5 hours before having a computer example problem. The focus will be on lakes and reservoirs rather than rivers and estuaries. The primary focus of example problems will be temperature and eutrophication problems.

Time	Tuesday October 24	Wednesday, October 25	Thursday, October 26
9:00-9:30	Welcome, Overview, Introductions: S. Wells	Review of Example Problems 1 and 2; CE-QUAL-W2 Numerical Scheme: S. Wells Using and Setting Up CE-QUAL-W2: S. Wells	Review of Example Problems 3, 4, and 5, Setting Up CE-QUAL-W2: Input Options S. Wells
9:30-10:30	Hydrodynamic Modeling: S. Wells How to Set Up and Run CE-QUAL-W2: S. Wells **Computer Example 1**: Conesus Lake, NY		
10:30-10:45	**Break**	**Break**	**Break**
10:45-12	**Computer Example 1 (Running the model and post-processing)**: Conesus Lake, NY Hydrodynamic Modeling: S. Wells Water Quality Modeling: S. Wells	**Computer Example 3 (Temperature):** Long Lake, WA	**Computer Example 6 (Nutrient and Algae Reduction)**:Honeoye Lake, NY
12-1	**Lunch**	**Lunch**	**Lunch**
1-2:00	Water Quality Modeling: S. Wells	**Computer Example 4 (Temperature)**: Bluestone Reservoir, West Virginia	*Setting Up CE-QUAL-W2 Input Options* *S. Wells* *CE-QUAL-W2 Bathymetry Tool and Post-Processing Tool: S. Wells*
2:00-2:40	**Computer Example 2 (Temperature)**: DeGray Reservoir, Arkansas	Setting Up CE-QUAL-W2: Input Options S. Wells	
2:40-3:00	**Break**	**Break**	**Break**
3:00-5:00	**Computer Example 2 (Temperature)**: DeGray Reservoir, Arkansas Water Quality Modeling: S. Wells	**Computer Example 5 (Nutrient and Algae Reduction):** Wahiawa Reservoir, Hawaii	**Computer Example 7 (Sediment Diagenesis):** Hagg Lake, OR CE-QUAL-W2 Future Directions: S. Wells

1. In-class support for an expected class size of 30-40: Dr. Zhong Zhang and S. Wells will be available to help in-class during the example problems.
2. Software for the workshop (and installation instructions) and pdf files of the slides used during the presentations will be provided by Friday October 6. For the in-class example problems, attendees should have the following available on a PC laptop:
    a. Notepad or Notepad++ (a text editor),
    b. Excel (also you will need rights to allow a macro to function in Excel since the example problems will have Excel macros),

c. W2_Post post-processor (available at the W2 model download from www.cee.pdx.edu/w2; you will need administration rights to install).
d. We also recommend (but it is not necessary) installing W2Anim (from Stewart Rounds) where instructions are at https://github.com/sarounds/w2anim/releases/latest.