

CE-QUAL-W2 Workshop June 23-27, 2025

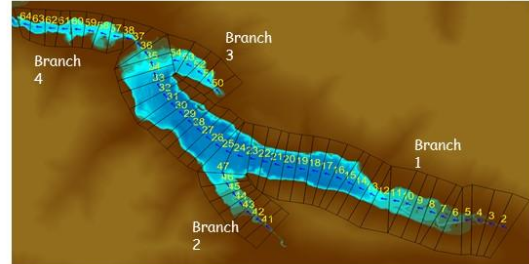
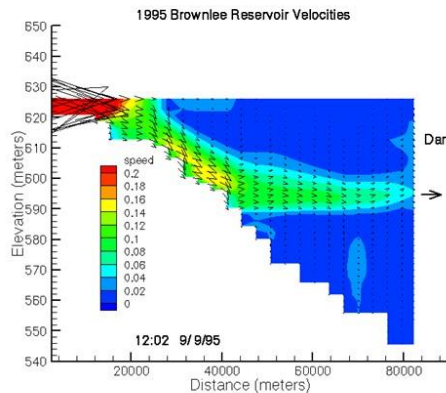
Special PSU student rate of \$200

CE-QUAL-W2

CE: Corps of Engineers
QUAL: Quality
W2: Width averaged
2D

Past Development/User Manuals:

Edinger and Buchak (1975-1983)
Corps of Engineers (1986)
Cole and Buchak (1995)
Cole and Wells (1999-2019)



- 2D, width averaged, hydrodynamic and water quality model well-suited to long narrow systems that stratify
- Open-source code
- Features: Sediment diagenesis, particle transport, eutrophication model (temperature, nutrients, algae, periphyton, macrophytes, organic matter, suspended solids, zooplankton), TDG, vegetative and topographic shading, CH₄, H₂S, Fe and Mn, generic constituents (water age, bacteria, toxics)
- About 30 web site visitors/day and almost 4 model downloads/day, active use throughout the world (US, Canada, China, Germany, South Korea, Turkey, Australia, Brazil, Iran, Japan, Taiwan, France, UK, South Africa)
- Yearly workshop at Portland State University

Model download and current User Manual: <http://www.cee.pdx.edu/w2>

The yearly workshop for the water quality and hydrodynamic model, CE-QUAL-W2 will be taught June 23 Monday starting at 9:00 am and concluding each day at 5:00 pm until Friday June 27 at noon. The workshop will be conducted at PSU.

For undergraduate and graduate students, there is opportunity to sign up in the next academic year for 1 credit of CE 405/CE 505. Contact Dr. Wells for more information at wellss@pdx.edu.

We have a limited number of slots open for students, so it is first come, first serve.

For more information see (1) <http://www.cee.pdx.edu/w2> and (2) <https://www.pdx.edu/civil-environmental-engineering/water-quality-modeling-workshops>)