



2D HYDRODYNAMIC MODELING FOR STREAM RESTORATION DESIGN

1-DAY COURSE: JULY 16, 2019

LOCATION: NASHVILLE, TENNESSEE 37214

Century Place Conference Center // 26 Century Blvd.

INSTRUCTORS:

JOHN SCHWARTZ, PhD, PE // UNIVERSITY OF TENNESSEE

PATRICK McMAHON, PhD, PE // S&ME, INC.

REGISTRATION CONTACT:

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COST: \$425

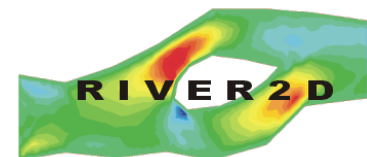
PDHs: 7 hours

COURSE DESCRIPTION:

Learn the **River2D Model**, freeware developed by the University of Alberta: including boundary surface development, finite element mesh design, and applying boundary conditions for hydraulic modeling. Demonstrate comparison with HEC-RAS v.5.

Learn how to use the PHABSIM fish habitat modeling module.

Learn how to apply model output for **stream restoration design** including channel velocity patterns, bed and bank stability analysis, and ecohydraulics habitat suitability indices.



REGISTRATION FORM: <https://tnepsc.org/river2Dreg.asp>