

Biographical Sketch - John C. Tracy
Director, Idaho Water Resources Research Institute
University of Idaho

Professional Preparation

University of California at Davis	Engineering	Ph.D. 1989
University of California at Davis	Civil Engineering	M.S. 1986
Colorado State University	Civil Engineering	B.S.1980
Registered Professional Engineer, Kansas #12110		

Appointments

- 2004 – Present: Director, Idaho Water Resources Research Institute, Professor, Department of Civil Engineering, University of Idaho
- 2007 – 2008: Interim Vice President for Research, University of Idaho
- 2001 – 2004: Research Professor, Division of Hydrologic Sciences, Desert Research Institute, Reno, NV
- 2000 – 2004: Director, Center for Watersheds and Environmental Sustainability, Desert Research Institute, Reno, NV
- 1997 – 2001: Associate Research Prof., Water Resources Center, Desert Research Institute, Reno, NV
- 1996: Associate Prof., Department of Civil Engineering, South Dakota State University, Brookings, SD.
- 1992 – 1996: Assistant Prof., Department of Civil Engineering, South Dakota State University, Brookings, SD.
- 1989 – 1992: Assistant Prof., Department of Civil Engineering, Kansas State University, Manhattan, KS.
- 1984 – 1985: Hydraulic Engineer, Army Corps of Engineers, Hydrologic Engineering Center, Davis, CA

Five Related Publications

- Tracy, J. C. 2004. "Impacts of managing water in a closed basin: The Walker River Basin case study," *Water Resources Impact*, 6(3), pps. 18-21.
- Carroll, R. W. H., Pohll, G. Tracy, J. C., Winter, T. and Smith, R. 2005. "Simulation of a semi-permanent wetland basin in the Cottonwood Lake Area, East-Central North Dakota," *Journal of Hydrologic Engineering*, ASCE, 10(1): 70-84.
- Johnson, W. C, Werner, B., Guntenspergen, G, Voldseth, R. Millet, B, Naugle, D., Tulbure, M. Carroll, R. Tracy, J. 2010. "Prairie wetland complexes as landscape functional units in a changing climate," *Bioscience*, 60(2), pps. 128-140.
- Ryu, J. H., Contor, B., Johnson, G., Allen, R, and Tracy, J. 2012. "System dynamics to sustainable water resources management in the Eastern Snake Plain Aquifer under water supply uncertainty," *Journal of the American Water Resources Association*, AWRA (In Press).
- Sohrabi, M. M., Ryu, J. H. Abatzoglou, J. and Tracy, J. 2012. "Investigating drought using extreme climatic indices over Idaho, USA", *Natural Hazards*, (in press)

Synergistic Activities

- Service as a Reviewer: NIWR/USGS Competitive Grants (104G) Program; USGS National Climate Change and Wildlife Science Center Proposals; *Journal of Irrigation and Drainage Engineering*, ASCE; *Journal of the Water Resources Planning and Management Division*, ASCE; *Journal of Environmental Engineering*, ASCE; *Journal of Hydrology*, Elsevier; *Water Resources Research*, American Geophysical Union.
- Director, Idaho Water Resources Research Institute (IWRRI): The Idaho Water Resources Research Institute was created in 1963 by the Idaho Legislature and its mission is to draw on expertise within the Idaho university system to (1) develop meaningful solutions for Idaho water problems through basic and applied, interdisciplinary research; (2) provide high-quality natural resource education and educational support; and (3) transfer technologies and information developed from research activities to agencies, organizations, and individuals involved in water use, management, and protection. As

director my focus has been to work with a wide range of University faculty members to develop and forward research initiatives that address many of Idaho's pressing water resources issues. This includes working with UI faculty in a variety of our water resources programs (such as the Waters of the West Program, the Center for Ecohydraulics, the Climate Change Adaptation Initiative, etc.) to create funding and advocacy networks with stakeholders, state, regional and federal water resource agencies. In addition, IWRRRI serves as an umbrella organization at the University of Idaho to aid these programs in working across departmental and college boundaries to forward the water resources research activity at the university. IWRRRI also collaborates extensively with other state water resources research institutes on a variety of issues of importance to the Intermountain and Pacific Northwest Regions through a series of workshops and conferences that have focused on issues of domestic water supply for the regions metropolitan areas, the importance of understanding the energy-water nexus in the Columbia river basin, and the future of the Columbia River basin after the bi-national treaty has been renegotiated.

Professional Service

University Council on Water Resources, Board Member 2003-2009, President-elect, President and Past-President, 2006-2009;

National Institutes of Water Resources, Board Member 2010-Present, Executive Secretary/Treasurer 2011-Present;

American Water Resources Association, Board Member 2012-Present.

Collaborators and other Affiliations

University of Idaho: Jan Boll, Bryce Contor, Stephanie Hampton, Charles Harris, Gary Johnson, Brian Kennedy, Matt Morra, RD Schmidt, Daniel Strawn, Garth Taylor, Frank Wilhelm, Patrick Wilson

Boise State University: Shawn Benner, Kelly Cobourn, Molly Grieb, Scott Lowe, Jim McNamara, Venkataramana Sridhar

Idaho State University: Dan Ames, Nancy Glenn, Robert Van Kirk,

University of Nevada, Reno: Tom Harris, Dennis Murphy, Rangessan Narayanan, W. Douglas Shaw

University of Alaska: Ed Murphy

Desert Research Institute: Ken Adams, Doug Boyle, Rosemary Carroll, Gayle Dana, W. Alan McKay, Tim Minor, Gregg Pohl, Kendrick Taylor

South Dakota State University: W. Carter Johnson

Dissertation Advisors: Richard Howitt, Miguel Marino, Gerald Orlob, Robert Schumway, University of California, Davis.

Thesis and Dissertation Advisees:

Kansas State University: Munjed Al-Sharif, John Brummer

South Dakota State University: Surendra Ajjarapu, Karvnakar Asireddy, Uma Atluri, Joy Cordier, Suresh Kamaiah, Sudhanva Nemirajaiah, Pannala Reddy, Harsha RamiReddy, Nagaraj Abbiah Reddy

University of Nevada, Reno: Jule Humberstone, Stacy Langsdale, Andy Rost, Kurt Unger

University of Idaho: Colin Bayse, Randy Kyes, Steve Robischon, Gerald Sehlke