



# Jeffrey B. Bradley, Ph.D., P.E., D.WRE

## *President*

**Dr. Bradley** is President of WEST Consultants, Inc. He is a Registered Professional Engineer in seven states. Dr. Bradley is a nationally recognized expert with over thirty years experience in hydraulics, hydrology and sediment transport in the private sector, while with the Corps of Engineers, and at Colorado State University. Dr. Bradley is also nationally and internationally recognized for his work on mud and debris flows and their effects on alluvial fan flooding. He has worked on many investigations including The John Day Dam drawdown studies, the Upper Mississippi cumulative effects study, hydraulic modeling for flood insurance studies, bridge scour assessments throughout the western US, dambreak inundation studies, hydrologic modeling and analysis for dam safety investigations, development of a geomorphic stream classification scheme for the state of Washington, development of a stream classification expert system for the sediment transport model, BRISTARS, Mount St. Helens sedimentation studies, the analysis of the Lawn Lake Dam failure and debris flow, the Lake Estes sedimentation study, the development of sedimentation study methodologies for the U. S. Fish and Wildlife Service, sedimentation impact studies on fisheries throughout the Northwest, extensive investigation of high sediment concentration flow phenomena, the Zink Dam sedimentation study, the Kern and Peace River ordinary high water litigations, and the Keene Ranch groundwater modeling study. Dr. Bradley has also coordinated and lectured in a number of short courses, including Bridge Scour and HEC-RAS River Analysis System for the American Society of Civil Engineers, HEC-6, Sedimentation in Rivers and Reservoirs, Streambank Stabilization for the International Erosion Control Association., Sedimentation in Forested Watersheds, and Mudflows and Alluvial Fan Flooding, HEC-RAS River Analysis System for the National Highway Institute.

Dr. Bradley has written over seventy-five professional papers and reports in the fields of hydraulics, hydrology, and sedimentation engineering. Dr. Bradley is editor of the books, *The Physics of Sediment Transport by Wind and Water: A Collection of Hallmark Papers by R.A. Bagnold* and *“Gravel Bed Rivers and the Environment”*. He has written a sedimentation manual for the U.S. Fish and Wildlife Service. Dr. Bradley is past Chair of the Executive Committee for the ASCE Water Resources Engineering Division. He has served as a member of three ASCE task committees on the Effects of High Concentrations on Flow and Sediment Transport, Sedimentation and Stream Habitat Evaluation and Bridge Scour. He has been a control member of the ASCE Task Committee to revise Manual 54 - *Sedimentation Manual*. He is a past chair of the ASCE Sedimentation Committee and past President of the ASCE Environmental and Water Resources Institute. He is currently President of the American Academy of Water Resources Engineers. He is also recipient of the Oregon Stater Award, Member of the Academy of Distinguished Engineers.

Dr. Bradley is a Fellow of ASCE, and a member of ASFPM, APWA, AWRA, AGU, AESR, IAHR and IECA. He is involved in ASCE activities at both national and local levels, has served on national ASCE committees, and has held several committee chairs in Colorado and Oregon, as well as having been Director and Treasurer of the Oregon Section.

## **Registration**

*Professional Civil Engineer*  
Oregon No. 10646  
Arizona No. 21974  
California No. 30245  
Colorado No. 19737  
Idaho No. 7794  
Washington No. 28250  
Hawaii No. 11557

*Diplomate, Water Resources Engineer, AAWRE*

## **Education**

*Ph.D. (C.E. - Hydraulics)*  
Colorado State  
University, Fort Collins

*M.S. (C.E. – Water Resources, Geotechnical)* Oregon State University, Corvallis

*B.S. (Civil Engineering)*  
Oregon State University,  
Corvallis

## **Professional Societies**

*American Geophysical Union*

*American Public Works Association*

*American Society of Civil Engineers*

*American Water Resources Association*

*Association of State Floodplain Managers*

*International Association for Hydraulic Research*

*International Erosion Control Association*

*Phi Beta Sigma Honorary Society*