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### EDUCATION, UNIVERSITY, AND DEGREES:

University of California, Berkeley, Ph.D. 1977  
Geology/Aquatic Ecology  
Stanford University, M.S. 1972  
Geophysics/Rock Mechanics  
Stanford University, B.S. 1970  
Geophysics/Physics

### PROFESSIONAL EXPERIENCE:

November 1980-present. Chief, River Mechanics Project, National Research Program, USGS, WRD. Conducting research on river mechanics, especially river channel change in response to variations in flow and sediment supply. Research Advisor, Geomorphology and Sediment Transport Group, January 1986-December 1990, January 1997-January 2002.

July 1976-November 1980. Project Chief, Colorado District Office, USGS, WRD. Conducted research on sedimentation and reclamation of stream channels in surface mined areas.

March 1975-July 1976. Western Region Staff, USGS, WRD. Conducted research on channel scour and fill, and hydraulic adjustment of a channel to an altered sediment load.

### SPECIAL ASSIGNMENTS AND RESPONSIBILITIES:

International Poplar River Water-Quality Board, International Joint Commission, 1978-1979.

Research Affiliate, Institute for Arctic and Alpine Research, University of Colorado, 1984-present.

Investigator, Joint Japan-United States Project on River Meanders, National Science Foundation, 1985-88.

U.S. Geological Survey Representative, National Academy of Sciences Review Panel for Glen Canyon Environmental Studies, 1985-88.

Expert Witness for the U.S. Government in application for federal reserved water rights for: the four National Forests of Colorado, 1989-91; Zion National Park, 1992-1996, Idaho Wild and Scenic Rivers, 1998-present

Science Advisory Committee, U.S. Geological Survey, 1995-1998.

Scientific Advisor, Upper Colorado Endangered Fish Recovery Program, U.S. Fish & Wildlife Service, 1993-1995.

### PROFESSIONAL SOCIETIES:

Geological Society of America  
American Geophysical Union  
American Alpine Club

### AWARDS AND HONORS:

Penrose Fellowship  
Certificate of Commendation, Dept. of Justice  
Certificate of Merit, U.S. Forest Service  
Meritorious Service Award, Department of the Interior

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- 1978, Present and potential sediment yields in the Yampa River basin, Colorado and Wyoming: U.S. Geological Survey Water-Resources Investigations 78-105, 33 p.
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- 1982b, Adjustment of the East Fork River to bedload sediment contributed by Muddy Creek: Field Guide, First Annual Meeting, Pinedale, Wyoming, American Geomorphological Field Group, p. 57-68.
- 1983a, Entrainment of gravel from naturally sorted riverbed material: Bulletin, Geological Society of America, v. 94, p. 1225-1231.
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- 1984, Bed-material entrainment and hydraulic geometry of gravel-bed rivers in Colorado: Bulletin, Geological Society of America, v. 95, p. 371-378.

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- Andrews, E. D., and Webb, B. W., 1987, Emerging issues in surface water quality research, *in* *Hydrology 2000*; Kundzewicz, Z. W., Gottschalk, L., and Webb, B. (eds.): Wallingford, U.K., International Association of Hydrological Sciences, Publication no. 171, p. 27-33.
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