

Resume
JEFFORY CRANE
River Restoration Specialist
Fluvial Geomorphologist
Watershed Planner/Coordinator



Mr. Crane has over thirty three years of hydrologic engineering experience with a major emphasis in water resource engineering, habitat restoration, and hydrology. He is also well versed with 20 years of experience in the organization of diverse local stakeholder coalitions and collaborative project development. He has organized and managed a wide range of diverse and various sized stream and floodplain restoration projects from conception through design, funding and construction. Mr. Crane is very familiar with Western water issues and serves on a number of local state and national committees and boards. Project and personal references are available upon request.

PROFESSIONAL EXPERIENCE

1998-Present, President Crane Associates- Crane Associates was started as a design-build firm for river and floodplain restoration and watershed planning projects. Since its inception Crane Associates has successfully completed dozens of stream restoration, irrigation diversion and watershed planning projects throughout Colorado. A list of selected projects is available upon request.

Crane Associates was tapped by the Colorado Water Conservation Board shortly after the September 2013 flood to lead the State's Technical Assistance Team. The team was tasked with developing eleven (11) new watershed coalitions in the flood-affected watersheds to build consensus and cooperation among diverse stakeholder groups including landowners, local government, environmental and recreational organizations, agriculture and others. In addition, the team developed criteria for master plans for each of the watersheds and designed and implemented emergency stream stabilization projects. Since the establishment of the new coalitions the team regularly assists State officials with project reviews, budget analysis and technical criteria for the implementation of \$70 million worth of stream and floodplain restoration projects developed and prioritized by the stakeholder coalitions. The team provides project development assistance to the coalitions to ensure compliance with multiple federal granting requirements and advice on cost-effective restoration treatments.

Crane Associates has also contracted with the Colorado Department of Transportation and the Federal Highway Administration to design and implement stream restoration in conjunction with the rebuilding of Highway 36 and Larimer County Road 43. Crane Associates also serves as an advisor to CDOT on the reconstruction of Highway 34 in Big Thompson Canyon and several highway/river crossings in the South Platte Basin.

2004-2012 Colorado Watershed Assembly- As the first Executive Director of the Colorado Watershed Assembly, a 501(c)(3) organization designed to support local citizen groups seeking to improve the watershed health of their communities, Mr Crane managed a \$630,000 annual budget that serves multiple programs and a staff of 8. Mr. Crane reported to a volunteer Board of 11 from all over the State. Organizational programs included River Watch-a statewide program that trains teachers and adult volunteers to build water quality monitoring teams on local rivers. The Inflow Network- an electronic information and database system that compiles timely information on funding sources, conferences, training programs, events, job opportunities and important watershed news and distributes that information in weekly newsletters and monthly Water Reports to over 2,000 subscribers. The Measureable Results Program- scientifically documents performance targets, milestones and the overall success of stream and floodplain restoration projects. The Sustaining Colorado Watersheds Conference-an annual conference that networks citizen watershed groups with agencies, consultants and funders to expand cooperation and collaboration in natural resource conservation, protection and enhancement. Mr. Crane personally has participated in the creation and development of dozens of local watershed groups and provides watershed planning and facilitation services. He also advocated for needs of local citizen groups at the State and Federal level and lobbied for funding initiatives and specific legislation to improve watershed health through local collaborative projects.

1996-2004 North Fork River Improvement Association: As the first Executive Director and Project Coordinator for the North Fork River Improvement Association, Mr. Crane has developed numerous collaborations with a wide variety of unique partners for different community projects designed to improve stream stability, riparian habitat, recreational potential and ecosystem function along the North Fork of the Gunnison River in west-central Colorado. He used consensus-building techniques to develop a watershed restoration action strategy designed to be acceptable to the diverse community interests related to the river including riverfront landowners, hunting and fishing groups, gravel mining companies, environmental groups, farmers and ranchers, irrigation companies, and recreational boating groups. Accomplishments included the rehabilitation of 6 miles of the river that transformed a bulldozed, braided river into a single-thread meandering system with revegetated floodplains new riverine wetlands and stable streambanks for the protection of agricultural lands adjacent to the river. The reconstruction of 8 irrigation diversions to eliminate annual gravel push-up dams, restore fish migration and improve recreational boating safety while delivering a full decree of low-maintenance irrigation water for agriculture. Negotiated the removal of two in-stream gravel mines that maintain gravel operations outside of the river. He negotiated the donation of 19 acres from a gravel company for the creation of the Paonia River Park. He facilitated the removal of an abandoned 5' high concrete roller dam, developed a volunteer water quality monitoring team and a community river education program.

PROFESSIONAL ASSOCIATIONS

- Steering Committee Member of America's Great Waters Coalition, Washington, DC
- Board Member, Clean Water Network, Washington, DC
- Board Member, National Advisory Council for Environmental Policy & Technology (EPA)
- Interbasin Compact Committee Public Education, Participation & Outreach Subcommittee
- Board Member, Western Slope Conservation Center
- Statewide Water Supply Initiative committee member
- Member, Tamarisk Coalition
- Past Board President, Colorado Watershed Assembly
- Member, Club 20 – Water and Natural Resources Committee
- Member, Colorado Water Congress

EDUCATION

B.S. Civil Engineering, University of Colorado, Boulder, 1984
Soil Morphology, University of New Hampshire, Durham, NH, June 1987
Wetland Delineation, Sterling College, Craftsbury Common, VT, July 1992
Applied Fluvial Geomorphology, Wildland Hydrology, Pagosa, CO, July 1996
River Morphology and Applications, Wildland Hydrology, August 1996
River Assessment and Monitoring, Wildland Hydrology, September 1996
River Restoration and Natural Channel Design, Wildland Hydrology, October 1996
Fluvial Sediment Transport: Measurement, Analysis & Prediction, June 1998
Erosion Control and Stormwater Management Design and Implementation, January 2006

AWARDS

- University of Colorado Wirth Chair award in Environmental and Community Development Policy in 2000 for collaborative restoration work on North Fork
- Environmental Achievement Award from the EPA in 2002 for outstanding leadership in building a watershed partnership
- E-chievement Award from E-Town Radio Show on National Public Radio for Stream Restoration Work on North Fork of the Gunnison River 2003
- Robert V. Menary Award for the Environment by the El Pomar Foundation for its work supporting local watershed organizations 2008
- 2010 National River Hero award from River Network for work on the North Fork of the Gunnison and the development of the Colorado Watershed Assembly