



RiverRestoration has been dedicated to resolving River issues, from its inception in 2004. We provide creative engineering, planning and technical support necessary for any successful River project. Our success has been in aligning diverse river interests to create a holistic approach for restoration, preservation and enhancement of river systems. RiverRestoration has the engineering expertise and technical capability to perform tasks ranging from hydrologic and hydraulic analyses to stream corridor design and restoration planning. We are trained and practiced in sediment transport modeling, fluvial geomorphology, watershed science, and open channel hydraulics. We combine these scientific skills with creative approaches and new thinking for our Rivers.

Staff Biographies



Jason Carey, P.E., Principal River Engineer, brings more than fifteen years of experience in river design and is a leading innovator in the field, continually developing new solutions for our rivers. Jason is the Principal of RiverRestoration and has managed over 60 major projects involving river restoration, river recreation, master planning, geomorphic assessment, natural channel design, wetlands restoration, river stability analysis, bio-stabilization, sediment transport, floodplain determination, reservoir capacity analyses, dam break analysis, hydraulic design of structures in the river environment, design of erosion control measures, design of irrigation canals, hydraulic bridge design, diversion structure design, design of habitat for specific fish species, and whitewater park design. Jason is currently registered as a Professional Engineer in Colorado, Idaho, Kentucky, Utah and California.



Dan Woolley, River Engineer, has four years experience implementing river design and has over nine years experience in the fields of hydrology and stream channel restoration. Dan holds a M.S. in Civil Engineering specializing in Hydraulics and River Mechanics from Colorado State University. He has practical experience in the fields of topographic and hydrographic survey, Geographic Information Systems (GIS), restoration ecology, fluvial geomorphology, hydrology, sediment transport modeling and open channel hydraulics. Dan's background working in the field, implementing a broad range of projects, has given him practical knowledge of effective design and the skills necessary to achieve project success.



Crystal Young, Hydrologist, has over six years of experience in planning and implementing projects for river restoration, recreation enhancement, watershed improvement, and environmental monitoring. Her areas of expertise include concept development, regulatory permitting, grant writing, plan and specifications preparation, hydrographic survey, environmental assessments, data collection and construction oversight. She has designed and implemented environmental monitoring programs for habitat, sediment, and watershed conditions. Crystal has a B.S. in Watershed Science from Colorado State University. She has completed ASCE workshops in Sediment Transport using HEC-RAS and has completed professional workshops for macroinvertebrate, periphyton, and physical and riparian habitat monitoring protocols. Crystal brings her passion for rivers and a curiosity for the natural world to every assignment she undertakes.