

Riley Gelatt, P.E.



Design Engineer, Recreation Engineering & Planning Inc.
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Background

Starting in a large firm, Riley Gelatt P.E., has an extensive history working with distribution and collection networks. Although important, his real passion is for rivers. Riley, a kayaker at heart, holds a degree from the University of Colorado in Civil Engineering with a specialization in water resources. As a design engineer with REP, Riley serves a lead on-site role while supporting a variety of design, permitting and modeling efforts. Riley has worked on river projects across the US including dam modification and river corridor improvement projects, whitewater structures, in-stream navigational structures, diversion structures, wetland mitigation, riparian habitat creation, and greenway trails. A large chunk of Riley's childhood, adolescence, young adult life and now his adult life has been spent on or around or thinking about rivers. Growing up on the river, Riley has a passion for creative design solutions to balance competing interests of river engineering challenges.

Education & Professional Credentials

Bachelor of Science in Civil Engineering, University of Colorado at Boulder, May 2012

Engineer in Training Certificate (E.I.T), Colorado, 2012

Professional Engineer License (P.E.), Colorado, Nebraska, 2019

Experience

Design Engineer February 2014 - Current
Recreation Engineering and Planning (REP), Boulder, Colorado

- Dam modification, riverside infrastructure and whitewater feature design, feasibility, permitting, analysis, bidding and construction phase services.
- FEMA floodplain analysis and flood recovery design and monitoring services.
- One and two-dimensional hydraulic studies.
- Structural and scour calculations.
- Design and bid document production.
- Project scheduling and cost estimating.
- Project design coordination.
- On site construction services.

Civil Engineering Professional May 2012 – January 2014
MWH Global, Innovyze, Broomfield, Colorado

- Implementation of unidirectional flushing sequences and hydraulic model for large water utilities.
- Constructed hydraulic models for drinking water distribution systems for both consultants and utilities.
- Implemented real time hydraulic models using supervisory control and data acquisition (SCADA) data for the rapid assessment of drinking water distribution systems under emergency conditions
- Provided technical support for both clients and sales staff on multiple new software packages
- Conducted asset data reviews for large water utilities
- Development of help documents for multiple new software packages

BLM Survey Technician 2011 May-August, 2010 May-August
Department of the Interior, Bureau of Land Management, Lakewood, Colorado
Operated differential-GPS equipment and total stations in all types of weather conditions
Researched property deeds and titles for USFS fuels mitigation projects
Monumented and recorded corner positions for official cadastral surveys
Managed survey equipment and vehicles to ensure operational status throughout projects