

# Shane Sigle, PE MSCE



Lead Engineer, Recreation Engineering & Planning  
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## Background

Shane combines 30 years of river recreation and canoe slalom experience across the globe with 15 years of river engineering. Shane is a Professional Engineer and holds a Master's Degree in Water Resource Engineering from the University of Maryland specializing in whitewater structures, fish passage, hydraulic and hydrologic modeling, and water quality. Shane has worked on whitewater projects across the US and been involved from feasibility through construction. Shane currently works as a project manager and lead engineer for REP projects.

## Education

Master's degree in Water Resources Engineering, 2003 (3.7GPA) from the University of Maryland.  
Bachelors degree in Environmental Economics and Physical Geography, 1998 from the University of Colorado

## Interesting Accomplishments

**Athlete**—Shane is a two-time member of the USA Canoe and Kayak "B" Team and two-time member of the USA Rafting Team. Shane has competed professionally for Team Montrail and Team BUFF Multi-Sport International Adventure Racing Teams.

**Public Service**—Shane is an annual instructor for Liquid Camp which is located on the South Fork of the American River in California. The week long camp brings together disadvantaged HIV-positive kids from around the U.S. to learn how to kayak and live in the outdoors.

**Professional Engineer**—Shane has worked for firms in Colorado, Washington D.C., and Christchurch, New Zealand. He is currently licensed in three states.

## Work/Project Experience

### Work Experience

2007-present Recreation Engineering and Planning: Worked as a project manager and design engineer to market, plan, design, permit, and implement in-stream whitewater parks, river trails, riparian habitats, and fish passage channels. Responsibilities include management, budgeting, numerical modeling, flood and scour analysis, sediment transport analysis, design, master planning, marketing, research, analysis and construction management.

2005-2007 Aqualinc Research Limited, Christchurch, New Zealand. Worked as a project engineer completing water resource master planning and hydrology for the Canterbury Region of the South Island. Responsibilities included computer modeling, hydrology and hydraulic analysis, layout, mapping, GIS, and research and analysis.

1998-2000,2003-2005 Wright Water Engineers. Project engineer for a leading water resource engineering company in Durango, Colorado. Performed budgeting, scheduling, engineering, technical support, and consultation for water resource and water rights projects throughout the state.

### Project Experience

**Manchester Whitewater Park, Manchester, Iowa.** Engineer of record and project manager for this 1.8 million dollar project that won this community of approximately 5,000 people "Iowa's River Town of the Year" award in 2015. Work included all stages of design from concept to construction.

**Bow Weir Project , Calgary, Alberta.** Project engineer involved with whitewater performance, product testing, safety, signage, access and product optimization. This project includes both a whitewater and slalom/navigational channel and is the largest whitewater project in North America.

**Charles City, Iowa.** Design engineer and project manager overseeing all stages of the project from feasibility through construction management and testing. This project included removal/modification of a 6-foot high low head dam, construction of four drop structures, design and permit approval of cutting-edge fish passage design, removal of concrete flood control walls, bank terracing, and access points. This is the first project of it's kind in Iowa. It was the site of the 2012 Iowa Games.

**Kelly's Whitewater Park, Cascade, ID.** Project engineer and construction manager during preliminary design, permitting, final design, construction, and modifications. The project includes five structures, associated trails, two pedestrian bridges, a constructed island, and a million dollar visitor center. The project has proven to be a huge success with over 800 visitors during one day the first season of operation. This park hosted the 2012 US Freestyle National Championships.