# DHM DESIGN

# JEREMY ALLINSON

*Senior Associate | Natural Resource Coordinator*

*As an environmental planner and natural resource coordinator, Jeremy has experience in fisheries and wildlife investigations; aquatic resource studies; riparian and aquatic habitat assessments; hydrologic assessments; impact assessments and stream restoration design and construction. He has experience working on large scale, multi-year NEPA development projects as well as small localized stream restoration projects. A native to Colorado, Jeremy gets his inspiration from being outdoors, hunting and fishing. Professionally, he believes in striking a balance between environmentally responsible development and protection of natural resources.*

## ABOUT

### EDUCATION

B. of Science in Land Use - Environmental Resources, Metropolitan State University, Denver, 2009

### REGISTRATIONS & AFFILIATIONS

Safeland USA/PEC

Western Association of Fish & Wildlife Agencies Certified Technical Service Provider

### AREAS OF EXPERTISE

Due Diligence
Environmental Permitting &Planning
Project Siting & Resource Avoidance
Mitigation & Restoration Planning
National Environmental Policy Act (NEPA)
Biological Resource Investigations
Site Planning & Resource Avoidance
Environmental Compliance Monitoring
Clean Water Act Section 404 Permitting
Wetland Delineation & Restoration
Stream Habitat Assessments & Restoration
Fisheries & Natural Resource Management
Threatened, Endangered and Sensitive Species (T&E ) Surveys

### RECENT PROJECTS

Marble Basecamp; Marble, CO
Moon Run Ranch; Snowmass, CO
Warm Springs Wetland Mitigation Bank; Warm Springs, CO
Aspen Valley Ranch; Aspen, CO
Basalt River Restoration; Basalt, CO
BelleJackBlue Ranch; Woody Creek, CO
Bear Wallow Ranch; New Castle, CO
Junebug Farm; Eagle County, CO
Montrose Brownfields; Montrose, CO

## CONTACT

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## NOTABLE WORK

### Breckenridge Summer Special Uses | Breckenridge, CO

The Breckenridge Summer Special Uses project seeks to enhance on-mountain summer access and amenities for a diverse range of users. DHM worked hand-in-hand with Vail Resorts Development Company, Breckenridge mountain planning staff, the contracting team and staff of the US Forest Service to create a holistic plan that integrates multiple recreational amenities while maintaining the ecological experience of the site and supporting USFS goals for public education and interaction with the natural environment on public lands.

#### Services

- Logging Plans
- Special Uses Master Plan
- Trail Analysis and Design
- Scenic Resource Analysis and Design

### Basalt River Restoration | Basalt, CO

*2016 CASFM Honor Award*

Over the course of three years, DHM has been working with a multi-disciplinary team of engineers, hydrologists, planners, and the Town of Basalt to plan, design, permit, and oversee the restoration of the Roaring Fork River. The restoration of the natural alignment of the river, the restoration of an active and vital floodplain, the establishment and restoration of diverse and native riparian habitat, and the connectivity of multiple raw water and ditch systems are all goals of this restoration project. Our efforts extend beyond the river's edge to the restoration of side channels, critical fish spawning habitat, and significant wetland system development and protection.

#### Services

- Compensatory Mitigation and Monitoring Report
- US Army Corps Reporting, and Coordination with USACOE
- Wetland Design and Construction
- Local and Federal Floodplain Permitting
- Stream Restoration

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## NOTABLE WORK CONTINUED

### Donlin Gold LLC, Stream Habitat Mapping | Alaska*

Assisted in the planning and implementation of the Donlin Creek Stream Habitat mapping project on Crooked Creek using the MesoHABSIM model. Field work included mapping stream habitats over 33 river miles using ArcPad, aerial photos, and laser surveys of stream channel characteristics, including: gradient, sinuosity, width/depth ratios, entrenchment, fines counts, and temperature readings. Specialized in the use of the SonTek M9 Acoustic Doppler Current Profiler and laser survey equipment. This project involved boating skills and safety, the ability to work as an integrated team, and specific knowledge of stream morphology and aquatic habitats.

### Donlin Gold LLC, Winter Stream Substrate Temperature Analysis | Alaska*

Participated in the implementation of a study to assess the potential affects from reductions in stream base flows during the winter months on salmon spawning areas. Data collected included stream flow at each site and installed Hobo Pro V2 temperature loggers to document water temperatures at the substrate. Survey measurements were collected using survey grade GPS and laser survey equipment.

### Donlin Gold LLC, Off-Channel Habitat Connectivity Survey | Alaska*

Assessed potential impacts of reductions in stream base flows on off-channel habitat connectivity. Surveys documented off-channel habitat connectivity to the main channel and allowed for the modeling of habitat connectivity at different stream stages. The study required detailed stream channel cross-sections and flow measurements. Data was collected using survey grade GPS and laser survey equipment and a SonTek M9 Acoustic Doppler Current Profiler.

### Donlin Gold LLC, Detailed Stream Survey | Alaska*

Conducted a detailed stream survey with a modified Rosgen protocol, including data collection of stream channel characteristics, large woody debris, fish populations, flow/discharge, water chemistry, substrate, and habitat typing. Channel measurements were collected using survey grade GPS and laser survey equipment.

### Donlin Gold LLC, Salmon Redd Survey, Crooked Creek | Alaska *

Identified and recorded locations of salmon redds on a 33-mile section of Crooked Creek. Observations were made from on the ground and from the air.

### Stream Habitat Enhancement | Clear Creek Ranch, CO*

Collected baseline data to evaluate overall stream health and productivity on 4 miles of stream including water quality, macro invertebrates collection and analysis, fish population estimates, and stream flow measurements. Constructed three phases of enhancement to increase fishery habitat. Large reductions in the number of trout needing to be stocked have resulted.

*Work completed while at another firm