

# FISHERIES SAMPLE

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## EDUCATION

### **Bachelor of Science in Fish, Wildlife, and Conservation Biology**

May 2011

Concentration: Fisheries and Aquatic Sciences

Colorado State University, Fort Collins, CO

GPA: 3.6/4.0

## NATURAL RESOURCE EXPERIENCE

### **Lab Technician**, Colorado Parks and Wildlife, Fort Collins, CO

Aug 2008-Present

- Prepared fish tissue samples for stable isotope analysis to examine predator-prey interactions.
- Dissected and identified stomach contents of lake and rainbow trout.
- Maintained equipment including compound microscope, centrifuge, and autoclave.

### **Biological Science Technician**, US Forest Service, Paisley Ranger District, Paisley, OR

May-Aug 2010

- Surveyed streams to determine the following: stream condition; bank stability; riparian and upland vegetation; redband trout and beaver distribution; stream temperature and flow; Rosgen stream classification

### **Volunteer Fisheries Technician**, Pacific Northwest Forestry Sciences Lab, Juneau, AK

May-Aug 2009

- Conducted stream surveys for juvenile and adult anadromous salmonids utilizing weirs, minnow traps, and snorkeling.
- Identified, weighed, measured, and removed scales from salmonids.
- Performed cold banding and floy tagging.
- Surveyed riparian habitat in old growth and second growth streams.
- Required extensive hiking of up to 10 miles per day with a 25 pound pack and camping in remote locations.

### **Volunteer Lab Technician**, Colorado Division of Wildlife, Brush, CO

Dec 2008-Jan 2009

- Tested fish for presence of whirling disease.
- Dissected fish heads and utilized fluorescence microscopy to identify protozoan: *Myxobolus cerebralis*.

## RELEVANT FIELD AND ACADEMIC SKILLS

- Extensive experience interacting with public, private land owners and state officials.
- Advanced knowledge and use of analytical laboratory tools and techniques, including compound microscope, centrifuge, autoclave, fish diet analysis, and aging fish scales.
- Strong sampling and tagging techniques, including gill nets, weirs, trap nets, minnow traps, cold branding, floy and PIT tag marking.
- Ability to navigate using topographical maps, compass and GPS.
- Software experience includes Microsoft Word/Excel/PowerPoint, ArcGIS, and Minitab.
- Strong technical writing skills and academically acquired ability to conduct thorough literature reviews and data analysis.

## LEADERSHIP EXPERIENCE

**Treasurer**, Xi Sigma Pi Natural Resource Honor Society, CSU

May 2010-Present

**Vice President**, American Fisheries Society, CSU

Sept 2009-Dec 2010

**Member**, Trout Unlimited

Sept 2008-Present