

Heidi S. Guenther

1971 Evergreen Ave.

Boulder, CO 80304

PH: 970-988-7760

heidiguenther04@hotmail.com

Education: Bachelors of Science in Botany and Biological Science, Colorado State University, May 2005,
Summa cum Laude 4.00/4.00

2000 – 2002

Saint Louis University, Saint Louis MO, Major: Biology, Minors: Spanish and History

Scholarships: 2004 – 2005 Bruno Klinger Memorial Scholarship
2004 – 2005 William Kreutzer Scholarship
2000 – 2001 Jesuit Education Scholarship
2000 – 2001 AngloGold North America Scholarship

Work

Experience: May 2008 – August 2008

Rangeland Plant Ecology Technician

Oregon State University – Eastern Oregon Agricultural Research Center, Burns OR

Collected extensive botanical data that will be used to analyze the ecological effects of western juniper encroachment in the sagebrush steppe in eastern Oregon and northern California. Data was collected on herbaceous density, shrub density, shrub volume, herbaceous biomass, and fuels measurements. Plant species composition and geographic landscape were inferred through the use of the line-point method and comprehensive plant species lists. To interpret the potential and severity of erosion, the gap method was used which established the distance between perennial plants along transect lines.

August 2007 – October 2007

Certified Integrated Weed Management Technician

Intermountain Aquatics, Inc., Driggs ID

Identified invasive plant species in order to control the further contamination of natural habitats.

June 2006 - September 2006

Botany Field Technician

Colorado Natural Heritage Program - Great Sand Dunes National Park, Mosca CO

Classified vegetation and collected botanical data from the valley floor to the alpine tundra that was used to map the vegetative ecology of Great Sand Dunes National Park and the surrounding areas. The fieldwork was executed by hiking to specific locations through the use of GPS units, aerial photos, and topographic maps.

May 2005 – November 2005 and August 2003 – August 2004 and January 2003 – May 2003

Laboratory Assistant

Colorado State University - Department of Molecular Biosciences - Bamburg Lab,
Fort Collins CO

Performed basic laboratory tasks such as autoclaving, manually sterilizing equipment, and preparing solutions.

August 2004 – May 2005 and January 2004 – May 2004

Laboratory Intern

Colorado State University – Department of Biology – Pilon-Smits Lab, Fort Collins CO

Assisted in phytoremediation research in both the laboratory and the greenhouse, in order to advance my knowledge of the scientific research process and improve my laboratory skills.

Researched the hypotheses that (1) plant species containing anthocyanins can tolerate and accumulate molybdenum when grown on molybdenum mine tailings, and (2) the presence of anthocyanins positively influences the ability of plant species to uptake and sequester elemental soil pollutants.

August 2004 – December 2004

Herbarium Intern

Colorado State University Herbarium, Fort Collins CO

Pressed and identified plant specimens found in the Rocky Mountain Region through the use of dichotomous keys.

May 2003 – August 2003

Maintenance Intern

Colorado State Parks and Recreation - Steamboat Lake State Park, Steamboat Springs CO

Performed basic maintenance tasks around the state park which involved removing hazardous trees as well as attempting to control the spread of noxious weeds and the mountain pine beetle.

Other: January 2007 – July 2007

Student and Volunteer

Studied Spanish in both Mexico and Guatemala and ultimately graduated as an advanced Spanish-speaker.

Volunteered in a preschool in Guatemala.