

- EDUCATION:**
- 2006 – Present** Montana State University Bozeman, Montana
M.S. Earth Sciences, Geography
Thesis Title: *Late Holocene Fire Frequency Comparisons in the Sawtooth Mountains, Idaho*
Funding Source: USFS Grant
- 2000 – 2005** Montana State University Bozeman, Montana
B.S. Earth Sciences, Geography
2nd Major Spanish
- WORK EXPERIENCE:**
- Present** Montana State University Bozeman, Montana
Teaching Assistant / M.S. Candidate
- Grade assignments and tests for *World Regional Geography*
 - Assist in facilitation of class activities and provide support to students
- Summer 2007** VISIONS Service Adventures Galapagos, Ecuador
Program Director
- Developed community service based volunteer program for adolescents in the Galapagos Islands and the Ecuadorian Andes
 - Facilitated program, managed staff, communicated with participants' parents and home office in PA, planned all aspects of and managed program budget
 - Worked directly with Ecuadorian NGO, National Park and community members to plan service projects
- 2006 – 2007** Montana State University Bozeman, Montana
Research Associate
- Processed lake sediments and analyzed charcoal concentrations to investigate fire frequency in the Sawtooth Mountains, Idaho
 - Conducted six weeks backcountry field work, traveling to remote lakes in the Sawtooth Range, Idaho
 - Analyzed spatial data of fire history in Yellowstone National Park
- 2005 – 2006** Montana State University Bozeman, Montana
Paleoecology Lab Manager
- Conducted different aspects of paleoecological research focusing on processing and analyzing lake sediment samples
 - Used GIS for different representations of paleoecological data
 - Developed webpage for lab using *Siteseer* program
 - Handled administrative tasks in lab, such as ordering of chemical and lab supplies

2005 – 2006 VISIONS Service Adventures Urubamba, Peru

Health and First Aid Director

- Administered first-aid and health consultation to participants and staff
- Worked to keep participants healthy and safe by monitoring work site and daily activities

2003 – 2004 Longfellow School Bozeman, Montana

Volunteer Spanish Teacher

- Volunteered one day each week and taught basic Spanish to first and second grade students

2001 – 2003 Expeditions MSU Bozeman, Montana

Wilderness Education Instructor

- Led students on multi-day backpacking trips and taught rock and ice climbing skills
- Instructed Leave No Trace wilderness skills and bear safety

PUBLICATIONS:

Whitlock, C., Higuera, P., Gage, J., Mumma, S., and Brawner, W., Refining our understanding of charcoal source area to better understand fire history. In: GSA Denver annual meeting; 2007; Oct. 28-31; Denver, Colorado.

SKILLS:

Computer Skills

- General: Microsoft Word, Excel, Power Point, Outlook and Access
- GIS: ESRI ArcGIS 9.2
- Graphic: Adobe Photoshop, Illustrator and Acrobat
- Web Design: *Siteseer* (www.montana.edu/paleoecology)
- Statistics: R 2.4.1, learning MATLAB

Language Skills

- Written and Spoken fluency in Spanish

Photography Skills

- 10 years adventure photography experience
- Detailed photo editing using Adobe Photoshop

First Aid Skills

- Wilderness First Responder (WFR) 2004 and 2006
- CPR, American Red Cross 2006

Countries Visited

- Mexico, Costa Rica, Ecuador, Peru, Bolivia, Argentina, Chile and Canada

PERSONAL:

Hobbies

- Rock and Ice climbing
- Running and Mountain Biking
- Skiing
- Hunting and Fishing
- Photography