

Clayton S. Painter

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Education

Ph.D. candidate, geology (sedimentology/tectonics and stratigraphy), University of Wyoming

I am researching the Sege Sandstone and its possible significance on Sevier tectonism Advisor: Barbara Carrapa
I expect to graduate in May of 2012.

M.S. in geology (sedimentology/tectonics and stratigraphy), University of Wyoming

I have completed all requirements and will “formally” graduate in May 2009—Advisor: Randi S. Martinsen
Thesis title: The Shannon Sandstone: New Observations and constraints applied to depositional models

B.S. in geology, Brigham Young University-Idaho, December 2005

Senior Thesis: Geomorphic response of the Henrys Fork River to concurrent, Pleistocene volcanism

Work Experience

University of Wyoming

Laramie, WY

Teaching Assistant, Aug 2006-Present

- Teach physical geology labs, grade assignments and assess student progress under the supervision of Dr. Erin Campbell-Stone

Research Assistant, Aug 2006-Present

- Research origin of the Shannon Sandstone (northeast Wyoming), its architecture, and possible tectonic influence on its deposition and preservation

EnCana Oil & Gas (USA) Inc.

Denver, CO

Intern, May 2007 to August 2007

- Researched the Wasatch Fm. within Piceance Basin
- Analyzed various sands, through well log analysis, for production and water injection possibilities
- Mapped stratigraphic properties and locations using Petra
- Proposed well tests for gas production, and water injection

Los Alamos National Laboratory

Los Alamos, NM

Intern. Geophysics Group, Jan-Aug 2006, and Summer 2004, and Interned in the Geology, Geochemistry, and Hydrology Group, Summer 2003

- Converted an existing petrologic, geophysical, and geochemical database of the Nevada Test Site, from an old database program, RS1, into a FileMaker database, making the database much more user friendly
- Interpreted and plotted drill hole logs from the Nevada Test Site to assess future and past containment concerns
- Performed structural analysis, constructed cross sections, and plotted and analyzed fracture data, of southwestern Wyoming
- Presented research at the 2006 Student Symposium
- Researched zeolite formation and location at Pahute Mesa, Nevada Test Site to assess future and past containment concerns
- Compiled, managed and analyzed a petrologic, geophysical, and geochemical database of the Nevada Test Site
- Prepared XRF fused disks
- Presented research results to team leaders, group members, and other researchers involved with the Nevada Test Site
- Assisted in geologic mapping of the Jemez Caldera
- Researched and presented data on subsurface geology of the Yucca Flat area to assess future and past containment concerns

Brigham Young University-Idaho

Rexburg, ID

Teaching Assistant and Lab Supervisor, 2003 to 2005

- Mentored students, assisted professors, graded exams, monitored/maintained computer lab
- Taught lecture when the professor was absent, organized and led field trips

Selected Upper-Division/Graduate Level Courses

- Petroleum Geology
- Methods in Petroleum Geology
- Introduction to GIS
- Applied GIS
- Advanced Field Methods
- Geophysics
- Numerical Modeling
- Predicting clastic reservoirs using applied sequence stratigraphy (AAPG field course)
- Log Interpretation (Chevron short course)
- Dipmeter interpretation (Chevron short course)
- Seismic interpretation (ConocoPhillips short course)
- Controls on coastal and shelfal deposition and preservation (ConocoPhillips field course)

Skills

- Fluent in Spanish
- Proficient in Adobe Illustrator
- Proficient in Petra
- Proficient in Microsoft Office
- Proficient in ArcGIS 9
- Proficient in several database programs
- Core analysis

Abstracts and Presentations

Painter, C.S., Martinsen, R.S., 2007, Another Look at Hartzog Draw Stratigraphy, Powder River Basin, WY, American Association of Petroleum Geologists 2007 Rocky Mountain Section Meeting, Snowbird, UT, *Abstracts with Programs*.

Sussman, A., Weil A.B., Yonkee, A., **Painter, C.S.**, 2006, Fracture Analysis in Oblique Ramps of the Wyoming Salient, Sevier Fold-Thrust Belt: Evolution from Early Layer Parallel Shortening to Final Orogenic Curvature, Geological Society of America, *Abstracts with Programs*, Vol. 38, No. 7.

Painter, C.S., Little, W.W., Embree, G.F., Millard, M., 2005, Inverted Valley Development and Geomorphic Response of the Henrys Fork of the Snake River to Episodic Basalt Damming, Mesa Falls Recreation Area, Caribou-Targhee National Forest, Idaho, Geological Society of America, *Abstracts with Programs*, Vol. 37, No. 7, p. 463.

Millard, M., Clayton, R.W., **Painter, C.S.**, 2005, Preferred Fracture Orientations Resulting from Secondary Deformation of a Rhyolitic Ash Flow Tuff: 2 Ma Huckleberry Ridge Tuff, Southeast Idaho, Geological Society of America, *Abstracts with Programs*, Vol. 37, No. 7, p. 209.

Painter, C.S., Little, W.W., Embree, G.F., Millard, M., 2005, Geomorphic Response of the Henrys Fork River to Pleistocene Volcanism, Mesa Falls Recreation Area, Caribou-Targhee National Forest, Idaho, American Association of Petroleum Geologists 2005 Rocky Mountain Section Meeting, Jackson Hole, WY, *Abstracts with Programs*, p. 44.

Millard, M., Clayton, R.W., **Painter, C.S.**, 2005, Sediment Diapirism and Gravity Sliding of the 2 Ma Huckleberry Tuff Near Teton Dam, Idaho: Small-Scale Structural Constraints, American Association of Petroleum Geologists 2005 Rocky Mountain Section Meeting, Jackson Hole, WY, *Abstracts with Programs*, p. 39.

Awards and Accomplishments

- Third-place winner for Best Poster Presentation, AAPG Rocky Mountain Rendezvous (2008)
- Received grant from the Society of Petrophysicists and Well Log Analysts (2007)
- Received Dr. J. David Love Field Geology Fellowship grant (2007)
- Third-place winner for Best Poster Presentation, AAPG Rocky Mountain Rendezvous (2006)
- Submitted a proposal and received BYU-I Independent Research Grant (2005)
- President of the BYU-I Geology Society (2005)
- Outstanding Student Scholarship from the Geology Department at BYU-I (2004)
- Eagle Scout Award (1998)

Professional Affiliations

- Geological Society of America
- Society for Sedimentary geology (SEPM)
- American Association of Petroleum Geologists

References

Randi S. Martinsen
Senior Lecturer and Petroleum Geologist
University of Wyoming
Laramie, WY 82071
(307) 766-4858

Dr. Erin Campbell-Stone
Senior Geologist
University of Wyoming
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Dr. William W. Little
Professor of Geology
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