



JENNIFER LINDLINE, Ph.D
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EDUCATION

BRYN MAWR COLLEGE , Bryn Mawr, Pennsylvania	1997
PhD, Petrology, Geochemistry and Geochronology of Crystalline Rocks	
Dissertation: <i>The petrology of post-terrane accretion plutons in portions of the Petersburg quadrangle, SE Alaska.</i>	
MA, Geology	1993
Master's Thesis: <i>The Deer-Etolin Igneous Complex, southeastern Alaska: a study of mixed and mingled magmas.</i>	
TEMPLE UNIVERSITY , Philadelphia, Pennsylvania	1991
BS, Geology	
Senior Thesis: <i>An analysis of fabrics along Pennypack Creek, Huntingdon Valley, PA: the northern boundary of the Huntingdon Valley Shear Zone.</i>	
PRINCETON-YELLOWSTONE BIGHORN RESEARCH ASSOCIATION , Red Lodge, Montana	1990
Field Methodology	

ACADEMIC EXPERIENCE

NEW MEXICO HIGHLANDS UNIVERSITY , Las Vegas, New Mexico	
Professor of Geology	2009-present
Associate Professor of Geology	2004-2009
Assistant Professor of Geology	2000-2004
PENNSYLVANIA-YELLOWSTONE BIGHORN RESEARCH ASSOCIATION , Red Lodge, Montana	1998-present
Field instructor	
BRYN MAWR COLLEGE , Bryn Mawr, Pennsylvania	1998-1999
Post-Doctoral Teaching Fellow	
Research assistant to M.L. Crawford, Chair and Professor of Geology	
<ul style="list-style-type: none"> • Integrated field, petrographic, geochemical and geochronological data towards understanding the magmatic and metamorphic history of the Coast Batholith Complex of southeastern Alaska and British Columbia. • Developed database of geological information to assist data management, information querying, data analysis and map publication. 	
BLOOMSBURG UNIVERSITY , Bloomsburg Pennsylvania	1997-1998
Visiting Professor	

TEACHING COMPETENCIES

- | | | |
|--|-------------------------------------|-------------------------------|
| • Survey of Earth Science | • Physical Geology | • Earth History |
| • Environmental Science | • Environmental Geology | • Earth Materials |
| • Mineralogy | • Igneous and Metamorphic Petrology | • Structural Geology |
| • Ore Genesis | • Field Methods | • Senior Geology Applications |
| • New Mexico Geologic Resources & Environmental Policy | | |

AWARDS and HONORS

- Presented with **U.S. Forest Service Leadership Plaque** in recognition of leadership developing and providing college courses for Forest Service wildland fire managers. 2007
- Inducted into the **Honor Society of Phi Kappa Phi**. 2007
- Nominee, **NMHU Professor of the Year**. 2003, 05, 06, 07
- **Frank Angel Fellow, Ben Lujan Leadership and Public Policy Institute**. Selected to serve on panel addressing achievement gaps that separate most New Mexico students minorities from other public school students in U.S. 2005
- Selected as a **NASA Student Researchers Mentor** to Environmental Geology major Thomas Evans and Robertson High School Senior Lucas Martinez 2003
- New Mexico Highlands University **Presidential Spirit Award** 2003
- **Patricia Roberts Harris Fellowship**, U.S. Department of Education 1994-96
- **Excellence in Teaching Award nominee**, Bryn Mawr College 1992, 93
- **Teaching Assistantship and Tuition Scholarship**, Geology Department, Bryn Mawr College 1991-94

RESEARCH FUNDING

- **NSF Division of Materials Research Program, \$2,700,000**, Light-Matter Interaction: Theory and Applications (LMITA) (co-PI). 2009
- **USDA Cooperative State Research, Education, and Extension Service Program, \$300,000**, *Focusing Recruitment, Retention and Research Experiences (FRRRE) of Underrepresented Minorities in Natural Resource Management (co-PI)*. 2009
- **New Mexico Geological Society Grant-In-Aid of Research, \$2000**, *A Petrologic Study of the Proterozoic Hermit's Peak Batholith, North-Central New Mexico*, (Faculty sponsor of graduate student Rachell Pitrucha.) 2009
- **Western Alliance to Expand Student Opportunities Grant, \$5,512**, *Evaluating the Environmental and Climatic Record in Subalpine Lake Cores (Phase 1 and 2)*. 2008-2009
- **NSF Major Research Instrumentation Grant, \$199, 019**, *Acquisition of Equipment to Establish a Paleomagnetic and Rock Magnetic Laboratory at New Mexico Highlands University* (co-PI). 2008
- **NSF Planning Grant, \$20,000**, *U.S.-Ireland Planning Visit: Collaborative Geophysics and Petrologic Research on Shallow Level Magmatic Processes* (co-PI). 2007
- **Western Alliance to Expand Student Opportunities Grant, \$2,756**, *The Petrogenesis of Mafic Dikes in the Turkey Mountains, Mora County, New Mexico*. 2007
- **Western Alliance to Expand Student Opportunities Grant, \$5,512**, *Geologic History of the Turkey Mountains, Mora County, New Mexico (Phase 1 and 2)*. 2006-2007
- **New Mexico Geological Society Grant-In-Aid of Research, \$2000**, *The Petrology and Proterozoic History of the Hermit's Peak Batholith, North-Central New Mexico*. (Faculty sponsor of graduate student Roberto Trevizo.) 2006
- **New Mexico Water Resources Research Institute Grant, \$5000**, *Surveying health risks associated with arsenic in the Gallinas Watershed*. (Faculty sponsor of student researcher Justin Johns-Kaysing.) 2005
- **NSF Major Research Instrumentation Grant, \$544,442**, *Acquisition of New Single Crystal X-Ray Diffraction System for Teaching/Research Laboratory* (co-PI) 2004-07
- **NIH Research Infrastructure for Minority Institutions Fellow, 25% Teaching Release Time**, *Surveying Ground Water Arsenic Contamination in the Gallinas Watershed, Las Vegas, New Mexico*. 2004
- **New Mexico Water Resources Research Institute Grant, \$5000**, *Water Quality Assessment Along Surface Water and Groundwater Pathways within the Storrie Lake Project, New Mexico*. (Faculty sponsor of student researcher Thomas Evans.) 2003
- **NSF Major Research Instrumentation Grant, \$92,000**, *Acquisition of Powder X-Ray Diffraction and Spectroscopy Instrumentation for Mineral and Soil Research at New Mexico Highlands University* (PI) 2002-04
- **NASA Grant, \$150,000**, *Studies of Impact of Forest Fires in New Mexico* 2002-03
- **Collaborative for Excellence in Teacher Preparation Grant (CETP), \$5600 awards** 2000, 01
- **Faculty Research Grant, \$2370 and \$1200 awards**, New Mexico Highlands University 2001, 03
- **Faculty Travel Awards, \$1200**, New Mexico Highlands University 2000, 04, 06, 07
- **John T. Dillon Alaska Research Award, \$1500 award**, Geological Society of America 1995
- **Sigma Xi Grant-In-Aid of Research, \$1500 awards**, Sigma Xi Scientific Honor Society 1994, 96

PUBLICATIONS and REPORTS (*undergraduate student author)

Crawford, M.L., Klepeis, K.A., and Gehrels, G.E., and **Lindline, J.**, 2009, *Mid-Cretaceous-Recent Crustal Evolution in the Central Coast Orogen, British Columbia and Southeastern Alaska*, in *Crustal Cross Sections from the Western North American Cordillera and Elsewhere: Implications for Tectonic and Petrologic Processes*, Geological Society of America Special Paper No. 456, p. 97-124.

Romanov, A.S., Yakovenko, A.A., Antipin, M.Y., **Lindline, J.**, and Timofeeva, T.V., 2007, *A monoclinic polymorph of 1-(chloridomercurio) ferrocene*, *Acta Cryst.*, E63, m1297–m1299.

Crawford, M.L., Crawford, W.A., and **Lindline, J.**, 2006, *105 Million years of igneous activity, Wrangell, Alaska, to Prince Rupert, Canada*, *Canadian Journal of Earth Science*, vol. 42, no. 6, p. 1097-1116.

Lindline, J., Crawford, W.A. and Crawford, M.L., 2004, *A bimodal volcanic-plutonic system: the Zarembo Island extrusive suite and the Burnett Inlet intrusive complex*, *Canadian Journal of Earth Science*, vol. 41, no. 4, p. 355-375.

*Evans, T. and **Lindline, J.**, 2004, *Influence of infiltration and evaporation on the hydrologic budget at the Las Vegas National Wildlife Refuge, New Mexico*, Report submitted to the Las Vegas National Wildlife Refuge.

Lindline, J., 2000, *Mica from northern New Mexico pegmatites*, *New Mexico Journal of Science*, vol. 40, p. 17-19.

Lindline, J., Crawford, W.A., Crawford, M.L., and Omar, G.I., 2000, *Post-accretionary magmatism within the Kuiu-Etolin igneous belt, southeastern Alaska*, *Canadian Mineralogist*, vol. 38, part 4, p. 951-974.

ABSTRACTS and PRESENTATIONS (*undergraduate student author; ** graduate student author)

Lindline, J., Martinez, E., Meyer, M. and Petronis, M., 2009, *Effectiveness of a Science Agricultural Summer Experience in Attracting Rural New Mexican Students to the Geosciences*, poster presentation at the annual meeting of the Geological Society of America, Portland, OR, Geological Society of America Abstracts with Program vol. 41, no. 7, p. 91.

Petronis, M. and **Lindline, J.**, 2009, *Paleomagnetic Data Bearing on Drag Folding along the Santa Clara Fault System*, poster presentation at the annual meeting of the Geological Society of America, Portland, OR, Geological Society of America Abstracts with Program vol. 41, no. 7, p. 459.

*Garcia, L., Petronis, M.S., **Lindline, J.** and Geissman, J.W., 2008, *AMS data bearing on the deformational history of the Proterozoic basement in the Las Vegas Area, Southern Sangre de Cristo Mountains, New Mexico*. Poster presentation at the New Mexico Geological Society Annual Spring Conference.

Lindline, J. and **Trevizo, R., 2008, *Preliminary petrologic analysis of Proterozoic Hermit's Peak Batholith orthogneisses, North-Central New Mexico*. Poster presentation at the New Mexico Geological Society Annual Spring Conference.

Lindline, J. and *Trujillo, Rhonda, 2008, *Comparison of volcanic-magmatic rocks of the Ocate and Raton-Clayton fields, Northeastern New Mexico, USA*. Poster presentation at the annual Volcanic and Magmatic Studies Group Meeting, Dublin, Ireland.

Lindline, J. and *Trujillo, Rhonda, 2007, *The petrogenesis of Turkey Mountain dikes, Mora County, New Mexico, and their relationship to regional magmatism*. Poster presentation at the Annual Geological Society of America meeting, Denver, CO, Geological Society of America Abstracts with Programs, vol. 39, no. 6, p. 388-389.

*Trujillo, R., *Parson, C., and **Lindline, J.**, 2007, *The Petrology of Mafic Dikes in the Turkey Mountains, Mora County, New Mexico*. Poster presentation at the New Mexico Geological Society Annual Spring Conference.

Lindline, J. and *Ward, R., 2007, *The Geologic History of Pecos National Historical Monument*. Poster presentation at the annual Pecos Conference.

*Johns-Kaysing, J., and **Lindline, J.**, 2006, *Water Quality Assessment in the Gallinas Watershed, Las Vegas, New Mexico (Winter 04 Results)*. Poster presentation at the Annual Geological Society of America Meeting, Philadelphia, PA, Geological Society of America Abstracts with Programs, vol., 38, no. 07, p. 545.

Lindline, J. and Crawford, W.A., *105 Million Years of Igneous Activity, Wrangell, AK to Prince Rupert, BC*. Oral presentation at the Annual Geological Society of America Meeting, Philadelphia, PA, Geological Society of America Abstracts with Programs, vol., 38, no. 07, p. 269.

*Johns-Kaysing, J., **Lindline, J.**, Meyer, M.L., and *Tar, S., *Assessment of Arsenic and Other Ground Water Impairments in the Gallinas Watershed, Las Vegas, New Mexico*. Poster presentation at the Annual New Mexico Water Research Symposium, Socorro, NM, New Mexico Water Resources Research Institute Abstracts with Programs.

Lindline, J. and Crawford, M.L., 2005, *Resolving mechanisms of Mid-Cretaceous orogeny around Central Admiralty-Revillagigedo Belt granitoids, Wrangell, Alaska*. Poster presentation at the Annual Geological Society of America meeting, Salt Lake City, UT, Geological Society of America Abstracts with Programs, vol. 37, no. 07, p. 81.

- *Duran, V., **Tabe-Ebob, C., *Johns-Kaysing, J., *Running Eagle, M., and **Lindline, J.**, 2005, *Sourcing Arsenic in the Gallinas Watershed*. Poster presentation at the New Mexico Geological Society Annual Spring Conference.
- *Evans, T. and **Lindline, J.**, 2004, *Petrologic comparison of Precambrian rocks in the Las Vegas and Santa Fe areas, southern Sangre de Cristo Mountains, New Mexico*. Poster presentation at the Annual Geological Society of America meeting, Denver, CO, Geological Society of America Abstracts with Programs, vol. 36, no. 5, p. 508.
- *Evans, T. and **Lindline, J.**, 2004, *Water quality assessment in the Gallinas Watershed*. Poster presentation at the 2004 New Mexico Water Resources Research Symposium.
- **Tabe-Ebob, C., Meyer, M.L., and **Lindline, J.**, 2004, *Arsenic concentrations and sources in the Gallinas Watershed*. Poster presentation at the 2004 New Mexico Water Resources Research Symposium.
- *Evans, T., *Williams, D., and **Lindline, J.**, 2004, *Water quality assessment along Gallinas Creek Surface Water and Ground Water Pathways, Las Vegas, New Mexico*. Oral presentation at the New Mexico Geological Society Spring Conference.
- *Evans, T. and **Lindline, J.**, 2003, *Influence of infiltration and evaporation on the hydrologic budget at the Las Vegas National Wildlife Refuge, New Mexico*. Poster presentation at the New Mexico Geological Society Spring Conference.
- **Hardesty, T., Mishler, R., and **Lindline, J.**, 2003, *A comparison of temper material in Santa Fe Black-on-white and corrugated pottery sherds with local geology formations at Tecolote Pueblo (LA 296)*. Poster presentation at the New Mexico Geological Society Spring Conference.
- E. Ryan, G. Southam, W. Ryan, **J. Lindline**, *R. Juarez, *L. Stewart, *J., 2002, *Woodlee, Astrobiology: Bacterial survivability in collisional events*. Poster presentation at the 18th Annual New Mexico Symposium.
- Crawford, M.L., **Lindline, J.**, Crawford, W.A., Sinha, A.K., 2002, *Syntectonic tonalite magma emplacement during crustal thickening – the Bell Island Pluton, SE Alaska*. Poster presentation at the Geological Society of America Annual Meeting, Denver, CO, Geological Society of America, Abstracts with Programs, vol. 34, no. 6, A14-18.
- **Vigil-Holterman, L. R. and **Lindline, J.**, 2002, *The hydrological evaluation of landfill performance (HELP) model assessment of the geology at Los Alamos National Laboratory, Technical Area 54, Material Disposal Area J*. Poster presentation at the New Mexico Water Research Symposium.
- *Krembs, F.J., **Lindline, J.**, Bosbyshell, H., and Crawford, M.L., 2002, *Textural and compositional distinctions between mid-Cretaceous tonalites of the southeastern Petersburg quadrangle, Alaska*. Poster presentation at the Northeastern Section Meeting of the Geological Society of America, Amherst, MA, Geological Society of America, Abstracts with Programs, vol. 34, no. 2.
- Ryan, E.V., Southam, G., **Lindline, J.**, Ryan, W.H., and *Juarez, R., 2002, *Microbe survivability on impact*. Poster presentation at the Astrobiology Science Conference.
- Lindline, J.** 2001, *Improving pre-service teacher preparation by using computers and information technology in introductory geology classes*, Poster presentation at the Geological Society of America Annual Meeting, Boston, MA, Geological Society of America, Abstracts with Programs, vol. 33, no. 6, p. A125.
- Lindline, J.**, Crawford, W.A., and Crawford, M.L., 2000, *A bimodal volcanic-plutonic system: the Zarembo Island extrusive suite and the Deer-Etolin Island intrusive complex*, Poster presentation at the Annual Meeting of the Geological Society of America, Reno, NV, Geological Society of America, Abstracts with Programs, vol. 32, no.7, A147.
- Lindline, J.**, Mora-Klepeis, G., Crawford, M.L., and Crawford, W.A., 2000, *Magmatic record of Eocene shift from convergence to translation in the central Coast Mountains, BC and SE AK*, Oral presentation at the Cordilleran Section Meeting of the Geological Society of America, Vancouver, BC, Geological Society of America, Abstracts with Programs, vol. 32, no. 6, A24.
- Lindline, J.**, Crawford, W.A., Crawford, M.L., 1999, *Petrogenesis of mafic magmatic enclaves in Tertiary granitoids, SE Alaska: Crystal fractionation, magma mixing and equilibration processes*, Oral presentation at the Northeastern Section Meeting of the Geological Society of America, Providence, RI, Geological Society of America, Abstracts with Programs, vol. 31, no. 2, A30.
- Lindline, J.**, Crawford, W.A., Crawford, M.L., and Gehrels, G.E., 1998, *Petrology, geochemistry and geochronology of Admiralty-Revillagigedo belt granitoids near Wrangell, Alaska*, Poster presentation at the Annual Meeting of the Geological Society of America, Toronto, ONT, Geological Society of America, Abstracts with Programs, vol. 30, no. 7, A378.
- Lindline, J.**, Crawford, W.A., and Crawford, M.L., 1998, *Petrogenesis of mafic magmatic enclaves in Tertiary granitoids, SE Alaska*, Poster presentation at the Northeastern Section Meeting of the Geological Society of America, Portland, ME, Geological Society of America, Abstracts with Programs, vol. 30, no. 1, A57.

Lindline, J., Crawford, W.A., and Crawford, M.L., 1995, *Post-accretionary magmatism in central southeastern Alaska*, Poster presentation at the Joint Annual Meeting of the Geological and Mineralogical Associations of Canada, Victoria, BC, Geological Association of Canada and Mineralogical Association of Canada, Program and Abstracts, A60.

Lindline, J., Crawford, W.A., and Crawford, M.L., 1993, *Chemical mixing of granite and gabbro on Deer - Etolin Islands, southeastern Alaska*, Oral presentation at the Annual Meeting of the Geological and Mineralogical Associations of Canada, Edmonton, ALB, Geological Association of Canada and Mineralogical Association of Canada, Program and Abstracts, A60.

Lindline, J., Crawford, W.A., and Crawford, M.L., 1993, *Magma mixing on Deer, Niblack and Etolin Islands, southeastern Alaska*, Oral presentation at the Northeastern Section Meeting of the Geological Society of America, Burlington, VT, Geological Society of America, Abstracts with Programs, vol. 25, no. 2, A34.

Lindline, J., 1991, *An analysis of fabrics along Pennypack Creek, Huntingdon Valley, PA: The northern boundary of the Huntingdon Valley shear zone*, Oral presentation at the Sixth Annual Piedmont Workshop, Temple University, Philadelphia, PA.

ACADEMIC SERVICE (abbreviated)

- Dossier Review Committee Member 2010
- Academic Enrichment Committee Member 2010
- University Studies Program Coordinator and Advisor 2007-present
- Interim Associate Dean, College of Arts and Sciences 2007-08
- Forest Fire Seminar Series Coordinator 2007-08
- Library Committee Member 2006-present
- Chair, Search & Screen Committee for Environmental Geologist 2005, 06
- Chair, Search & Screen Committee for Dean, College of Arts & Sciences 2005
- Environmental Geology Program Coordinator, Academic Advisor, and Outcomes Assessment Coordinator 2001-present
- Academic Affairs Committee Member 2008-present
- Southwest Institute for Research on Women Coordinator 2002-05
- New Mexico Geological Society Executive Committee Member (President, 2006) 2003-07
- Yellowstone-Bighorn Research Association Board Member 2006-present
- Associate Member Sigma Xi; Vice President of NMHU Chapter 2002-03 1998-present
- NMHU Student Publications Advisory Board Member 2001-03
- NMHU Math & Science Education Council 2000-present
- Chair, Search & Screen Committee for Environmental Geologist 2002
- Academic Affairs Committee Member; Undergraduate Subcommittee Member 2000-02
- Faculty Participant and Workshop Leader in *Crossings* (student orientation weekend) 2000, 01
- Scholarship Committee – NMHU Collaborative for Excellence in Teacher Preparation 2001
- Organizing Committee Member for the Student Research Symposium, Sigma Xi National Meeting 2000
- Program Planning Committee Member and Science Panel Chair, New Mexico Women's Studies Conference 2000
- Member, Search & Screen Committee for Physical Chemist Professorship 2000, 01
- Activities Committee Member for the 44th Annual Northeastern NM Regional Science & Engineering Fair 2000

FIELD EXPERIENCE

- Structural-petrological studies of high-grade gneissic terrane, Gallinas Canyon (2007-present).
- Rock, soil, and water investigations of Gallinas Watershed (2003-2007).
- Soil studies and terrain analyses throughout Viveash Fire burn, Santa Fe National Forest (2002, 2003).
- Six field seasons of detailed mapping and geological sampling of southeastern Alaska coastline via outboard-equipped inflatable boat (1992, 1994, 1998 through 2001).
- Helicopter-assisted field mapping in British Columbia, Canada (four weeks; 1995).
- **Co-leader** of field trip, *The Northern Boundary of the Huntingdon Valley Shear Zone, Pennypack Creek*, Seventh Annual Piedmont Workshop (1992).

LABORATORY EXPERIENCE

NEW MEXICO HIGHLANDS UNIVERSITY, Las Vegas, New Mexico

- * Analyzed mineral and rock samples using powder x-ray diffractometer (GBC Scientific Pty Mini Materials Analyzer).

UNIVERSITY of NEW MEXICO, Albuquerque, New Mexico

- * Analyzed mineral compositions using electron microprobe.

NEW MEXICO STATE UNIVERSITY, Las Cruces, New Mexico

- * Prepared and processed plutonic rock samples for major, trace, and rare earth element analysis by XRF (X-ray Fluorescence).

BRYN MAWR COLLEGE, Bryn Mawr, Pennsylvania

- * Prepared and analyzed rock samples for major element concentrations by DCP-AES (direct current plasma atomic emissions spectrometry).
- * Utilized petrographic, cathode luminescence and reflected light microscopes for thin section analysis.
- * Prepared powders and analyzed samples using x-ray diffractometer.

UNIVERSITY of PENNSYLVANIA, Philadelphia, Pennsylvania

- * Separated apatite and zircon grains using heavy liquid and magnetic separation techniques.
- * Analyzed mineral mounts for fission-track age information and length distributions.

VIRGINIA POLYTECHNIC INSTITUTION and STATE UNIVERSITY, Blacksburg, Virginia

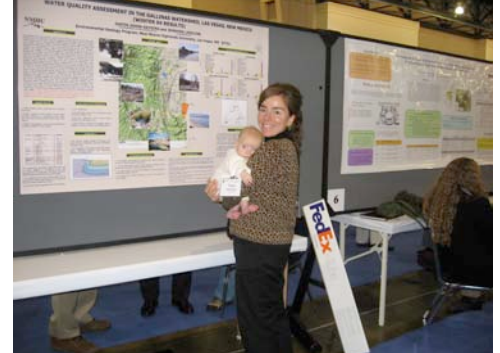
- * Prepared and analyzed plutonic rock samples for whole rock Rb-Sr isotopic data using multicollector VG-Sector 54 mass spectrometer.
- * Analyzed mineral compositions using electron microprobe.
- * Examined rock textures and mineral compositions via the scanning electron microscope.

RUTGERS UNIVERSITY, New Brunswick, New Jersey

- * Analyzed mineral compositions and petrographic images using electron microprobe.

UNION COLLEGE, Schenectady, New York

- * Prepared and processed rock samples for trace and rare earth element analysis by ICP-MS (induction coupled plasma mass spectrometry).



1. Jennifer and Frances (3 years old) at Bottomless Lakes State Park, 2006 New Mexico Geological Society Fall Field Conference.
2. 2005 Environmental Geology class field trip to Molybdenum Mine, Questa, NM.
3. Jennifer and student at Lower Gallinas River, 2007 Science and Agricultural Summer Experience program.
4. Jennifer and students at Yellowstone National Park, 1998 YBRA field camp experience.
5. NMHU Environmental Geology group, 2006 New Mexico Geological Society Fall Field Conference.
6. Jennifer and Tara (3 months old) at 2006 annual Geological Society of America meeting, Philadelphia, PA.



7. 2006 Earth History class field trip to Clayton Lake State Park to visit a world class dinosaur trackway.
8. Jennifer and students from the 2008 Science and Agricultural Summer Experience program discussing resource management at the Wind River Ranch, Mora County, NM.
9. Jennifer helps students identify minerals at the Moly Corp, Inc. molybdenum mine, Questa, NM (2008).
10. Jennifer and students from the 2008 Hard Rock Mining Class study a natural spring along the Camina Turquesa trail, Cerrillos Hills State Park.
11. NMHU Environmental Geology group, 2007 New Mexico Geological Society Fall Field Conference in the Jemez Mountains.
12. Jennifer and Frances (2 years old) at Ghost Ranch, 2005 New Mexico Geological Society Fall Field Conference.



Jennifer and Mike Petronis with students Joel Lowry and Rhonda Trujillo on a field trip to the Carlingsford Igneous Complex, coastal Ireland, January 2008.