



- Sampled soils for bulk density and soil clods
- Used dyes to determine pH of soil
- Identified soil color, soil horizons, soil type, vegetation, geomorphologic features, percentage of sand and gravel, and parent material
- Used a permafrost drill to core into permafrost to examine frozen soil
- Entered soil data collected in field into an ACCESS database
- Helicopter-supported field work
- Hiked several miles per day in rugged terrain with a 50 pound pack

Phillips Alaska, Inc. (now ConocoPhillips)                      8/2001 - 12/2001  
 Anchorage, AK    Hours per week: 40-45  
 Geologist/Intern

- Analyzed subsurface core, thin sections, porosity and permeability data, and well logs to assess carbonate reservoir potential in the Kuparuk oil Field west of Prudhoe Bay, Alaska
- Documented facies trends and the relationship to porosity and permeability
- Collaborated with various scientists at Phillips and BP to gain background of project, obtain funding for additional thin sections, tracking down additional cores and data, and to obtain help with techniques and computer programs that I was unfamiliar with (such as petrophysics, UNIX, and CPS3)
- Used computer programs such as Word, EXCEL, PowerPoint, Mincom (well logging software), and CPS3 (correlation software)
- Experience with UNIX
- Presented project results to peers

ENSR International    9/2000 - 5/2001  
 Fairbanks, AK    Hours per week: 5-10  
 Hydrogeologist

- Measured depth to water using a measuring tape
- Calculated amount of groundwater to remove to obtain a sample of fresh groundwater
- Collected groundwater samples for analysis of petroleum contamination using a bailer and peristaltic pump
- Collected groundwater and surface water quality samples
- Calibrated and used a pH meter to assess groundwater quality
- Monitored air quality from thermal treatment systems
- Managed small water treatment facility
- Collected plant samples used in experimental phytoremediation
- Drove 2-wheel/rear wheel drive van to and from job sites

Northern Environmental Technologies, Inc.                      8/1999 - 12/1999  
 Mequon, WI    Hours per week: 40-50  
 Hydrogeologist

- Conducted environmental site investigations in Wisconsin, Iowa, and Illinois
- Prepared pre-investigation site planning reports: mapped site features, planned well locations, identified hazards, identified utility corridors, and obtained driller bids
- Collected and described soil samples from monitoring well soil cores
- Calibrated and used a photoionization device (PID) to detect petroleum contamination in soil samples

- Measured depth to groundwater using a measuring tape
- Calculated amount of groundwater to remove to obtain a sample of fresh groundwater
- Collected groundwater samples using a bailer
- Organized and submitted petroleum fund reimbursement claims for clients
- Drove a GMC Sonoma or Ford F-250 (both manual) to and from job sites

Wisconsin Department of Natural Resources      6/1998 - 8/1999  
 Milwaukee, Wisconsin      Hours per week: 20  
 Hydrogeologist

- Reviewed leaky underground storage tank cases for closure
- Applied Wisconsin state regulations and technical knowledge to make closure decision
- During closure review, I reviewed environmental consultants reports to understand site history and determine if site meets closure criteria
- Wrote letters to responsible party and their environmental consultant with my decision
- Answered questions from the public and environmental consultants
- Presented cases meeting certain criteria to peers

## EDUCATION

University of Alaska, Fairbanks, AK US  
 Doctorate - 8/2004  
 Major: Geology  
 GPA: 3.6 out of 4.0

Description: I am currently finishing my Ph.D. and I will meet the graduation requirements by the end of May 2004, but will not officially graduate until August 2004. At the time of graduation, I will have 78 credits. The title of my dissertation is: Surface to Subsurface Stratigraphic Correlation and Sequence Stratigraphy of the Carboniferous Lisburne Group Carbonates, Northern Alaska: Implications for Paleogeography and Paleoclimatology

Relevant Graduate Courses: Chemical Oceanography, Scanning Electron Microscope (SEM), Paleopedology, Presentation Techniques, Well Logging (undergraduate)

University of Wisconsin, Milwaukee, WI US  
 Master's Degree – 8/1999  
 Major: Geology  
 GPA: 3.7 out of 4.0

Description: The title of my thesis is: The Sedimentology, Stratigraphy, and Porosity of the Silurian Manistique, Waukesha, and Racine Formations in Ozuakee County, Wisconsin.

Relevant Graduate Courses: Advanced Environmental Geology, Carbonate Sedimentology, Contaminant Hydrogeology, Engineering Geology, Physical Sedimentology, Field Methods in Hydrogeology, Geoelectrical Methods

University of Wisconsin, Oshkosh, WI US

Bachelor's Degree - 5/1997

Major: Geology

GPA: 3.1 out of 4.0

Relevant Undergraduate Courses: Chemistry (8 credits), Calculus (8 credits), Algebra, Trigonometry, Optical Mineralogy, Paleontology, Sedimentology, Introduction to Geologic Field Methods, Sedimentary Petrology, Oceanography, Structural Geology, Field Camp (Field Problems in Geology and Advanced Field Geology - 8 credits), Environmental Conservation, Glacial Geology, Hydrogeology, X-Ray Mineralogy, Stratigraphy, Ground Water Hydrogeology, Air Photo and Remote Sensing, Geomorphology, Soils, Water Resource Management

AFFILIATIONS	9/2002 - Present	AAPG Univ. of AK Fairbanks Student Chapter	Member/Secretary
	2/2002 - Present	Fairbanks Volunteer Hazardous Materials Response Team	Volunteer Member
	1/2000 - Present	Alaska Geological Society (AGS)	Member
	9/1997 - Present	American Assn of Petroleum Geologists (AAPG)	Member
	9/1997 - Present	Society for Sedimentary Geologists (SEPM)	Member
	9/1997 - Present	Geological Society of America (GSA)	Member

JOB-RELATED  
TRAINING COURSES

- Red Cross First Aid - June 2003
- Red Cross Adult and Infant CPR - June 2003
- Bear/Gun Safety - June 2003
- Helicopter Safety - June 2003
- OSHA HAZWOPER Annual Refresher - May 2003
- Basic Dept. of Transportation hazardous materials shipping training - February 2002
- OSHA HAZWOPER 40 hour - August 1999
- PADI open water SCUBA diver - August 1996(?)
- Wisconsin Hunter Education - Fall 1986

RELEVANT  
COURSEWORK  
EXPERIENCE

- Field Methods in Hydrogeology (graduate level)
  - Lake project
    - Used seepage meters to determine the relative amount of discharge through springs into a lake in northern Wisconsin
    - Analyzed data from course project to make contour maps of discharge and calculate water budget for lake
  - Completed a pump test on a groundwater well to determine recovery rate
  - Sampled several monitoring wells for groundwater quality
    - Used pH meter, pH paper, and dyes to determine pH
    - Used a temperature probe to obtain water temperature
    - Used measuring tapes that contained a lead bob or an electronic device that sounded when it reached the water to obtain depth to water
  - Stream project
    - Added dye to stream to obtain velocity
    - Determined pH using a pH meter
- Groundwater Hydrogeology (undergraduate level)
  - Completed groundwater modeling project using FLOWNET
    - Project consisted of a fictitious site where there was significant petroleum contamination
    - The goal of the project was to determine the type and location of remediation (if necessary) to deter the contamination from going off the property and would result in the shortest remediation time
    - Project results were written up and graded
- Presentation techniques (graduate level)
  - Wrote a 15+ page paper with results of my Ph.D. research
  - Gave several oral presentations on different topics using various media, such as overheads, slides, and PowerPoint
  - Learned how to give an effective oral and poster presentation
  - Learned how to become a better technical writer

JOB-RELATED SKILLS	Skill Name	Skill Level	Last Used	Experience
	• Microsoft Word	Expert	Currently Used	7 years
	• EXCEL	Expert	Currently used	5 years
	• Corel Draw	Expert	Currently used	3 years
	• PowerPoint	Expert	Currently used	4 years
	• Adobe Acrobat	Intermediate	Currently used	2 years
	• Petra	Intermediate	Currently used	1 years
	• Dreamweaver	Intermediate	Currently used	2 years
	• Internet	Expert	Currently used	7 years
	• Adobe Illustrator	Expert	+4 years ago	3 years
	• UNIX	Beginner	2 years ago	4 months
	• Technical Writing	Expert	Currently used	6 years
	• Oral Presentations	Expert	Currently used	7 years
	• Poster Presentations	Expert	Currently used	8 years
	• Drive 4x4 with standard transmission	Intermediate	1 year ago	1 year
	• Operate ATV	Expert	Currently used	15 years
	• Operate Snowmobile	Intermediate	3 years ago	1 year
	• Canoeing/rafting	Intermediate	2 years ago	1 year
	• Hiking/camping/working in remote Locations	Expert	Currently used	5 years

- Can work alone or in team situations Expert Currently used 15 years
- Supervised field assistants Expert 2 years ago 3 years
- Supervised hired help on parents dairy farm Expert 8 years ago 5 years

JOB-RELATED  
HONORS, AWARDS,  
MEMBERSHIPS, ETC.

- AAPG Student Chapter Secretary: 2002-present
- UAF Graduate School Fellowships: 2003-2004, 2002-2003, Spring 2002, 2000-2001
- UAF Travel Grants: 2002, 2003
- BP-Amoco Research Grants: 2000, 2002
- Geological Society of America Grant: 2001
- Desk and Derrick Scholarship: 2000, 2001
- Alaska Geologic Society Scholarship: 2000
- Brian Zelenka Memorial Scholarship: 2000
- Wisconsin Groundwater Association Scholarship: 1999
- Kettle Moraine Geological Society Scholarship: 1999
- Southeast Wisconsin Women In Science Scholarship: 1998
- Sigma Gamma Epsilon (Honor Society for Geologists): 1995-1997; President: 1996, Treasurer: 1995

PUBLICATIONS

- McGee, M. M. and Whalen, M. T., 2004, Baseline stratigraphy of the Lisburne Group, *in* The Influence of Fold and Fracture Development on Reservoir Behavior of the Lisburne Group of Northern Alaska: Final Report, DOE Award DE-AC26-98BC15102, *In Press*.
- McGee, M. M. and Whalen, M. T., 2003, Sequence stratigraphy of the Carboniferous Lisburne Group carbonates, northeastern Brooks Range, Alaska (abs), American Association of Petroleum Geologists Annual Meeting, Salt Lake City, May 2003, v. 12, p. A-116 (poster).
- McGee, M. M. and Whalen, M. T., 2003, Sequence stratigraphy of the Carboniferous Lisburne Group carbonates, northeastern Brooks Range, Alaska (abs), Alaska Geological Society Technical Meeting, Fairbanks, AK, April 2003, (poster).
- McGee, M. M. and Whalen, M. T., 2002, Stratigraphy of the Carboniferous Lisburne Group, Porcupine Lake Valley, Brooks Range, Arctic National Wildlife Refuge, Alaska (abs.), American Association of Petroleum Geologists Pacific Section meeting, Anchorage, AK, May 2002, p. 91 (poster).
- McGee, M. M. and Whalen, M. T., 2002, Facies stacking and reservoir potential of greenhouse and icehouse carbonates: Carboniferous Lisburne Group, northern Alaska (abs.), American Association of Petroleum Geologists Annual Meeting, Houston, March 2002, v. 11, p. A117 (poster).
- McGee, M. M., Whalen, M. T., and Krumhardt, A. P., 2002, Baseline stratigraphy of the Lisburne Group, *in* The Influence of Fold and Fracture Development on Reservoir Behavior of the Lisburne Group of Northern Alaska: Fourth Semi-Annual Report, DOE Award DE-AC26-98BC15102, January 2002, p. B1-B17.
- McGee, M. M. and Whalen, M. T., 2001, Baseline stratigraphy of the Lisburne Group, *in* The Influence of Fold and Fracture Development on Reservoir Behavior of the Lisburne Group of Northern Alaska: Second Semi-Annual Report, DOE Award DE-AC26-98BC15102, May 2001, p. B1-B21.

- McGee, M. M., Whalen, M. T., and Krumhardt, A. P., 2001, Stratigraphy of the Carboniferous Lisburne Group, Philip Smith Mountains, Arctic National Wildlife Refuge, Alaska (abs.), Alaska Geological Society Technical Meeting Abstracts, April 2001 (poster).
- McGee, M. M. and M. T. Harris, 1999, Sedimentology of the Silurian Manistique and Racine Formations, Ozaukee County, Wisconsin (abs): Geological Society of America North-Central Section Abstracts With Programs, v. 31, no. 5, p. A-59 (talk given by McGee).
- McGee, M. M., 1999, The sedimentology, stratigraphy, and porosity of the Silurian Manistique, Waukesha, and Racine Formations in Ozaukee County, Wisconsin: M. S. Thesis, University of Wisconsin, Milwaukee, 175 p.

#### HOBBIES

- Fishing
- Hunting
- Hiking/camping
- Sewing/quilting
- Traveling
- Reading
- Walking