

# Kathryn M. Morel

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## Objective

I am seeking a full-time or part-time geoscience position.

## Education

Bachelor Degree – Geology – University of Wisconsin-River Falls, 1999  
Associate Degree – General – University of Wisconsin-Washington County, 1994

## Education Highlights

*SW, SE, and NW Regional Fieldtrips* – Training in field mapping techniques using topographic and aerial maps. Preparation of geologic maps, cross sections, rock descriptions and environmental aspects out in the field. Research geologically and environmentally important sites. Give presentations at site on the research performed before trip.

*Undergraduate Teaching Assistant*, University of Wisconsin-River Falls Geology Department

## Classes Studied

Introduction to Geology, Historical Geology, Geomorphology, Sedimentation and Stratigraphy, Mineralogy, Petrology, Structural Geology, Geophysics, Paleontology, Introduction to Soils, three regional fieldtrips, Biology, Physics, Chemistry, Environmental Conservation, Ecology, Physical Geography-Landforms, Physical Geography-Weather and Climate, and many art classes

## Employment

**American Petrographic Services, Inc.** – Lab Supervisor/Geologist/Petrographer – 3/2000 to 6/2008  
Managed daily laboratory activities. Responsible for the data gathering, technical interpretation, report writing, and interpreting to clients a wide variety of construction materials related problems by utilizing forensic analysis and routine testing procedures. Forensic analysis including petrographic, stereo-zoom, and scanning electron microscopes. Routine testing includes sample preparation, determining water/cement ratio, air content, and other physical and chemical properties of hardened cementitious materials. Conducted chemical lab analysis of cementitious materials and aggregates. Review/revise technical data generated by petrographers and technicians. Materials studied include concrete, mortar, grout, block, brick, coarse and fine aggregates, cement, paint, coatings, and pozzolanic admixtures. Responsible for conducting, maintaining, and implementing new and current ASTM and company procedures. QA/QC representative. Safety officer, one year.

## Professional Memberships

American Institute of Professional Geologists-MN Chapter, Email Announcement Coordinator, 2000-present  
American Concrete Institute, 2008-2009  
Minnesota Concrete Council, 2000-2008

## Presentations

Several presented to the University of Wisconsin-River Falls Geology Club  
Many presented to an aggregate ready mix certification class  
One presented to The Engineers' Club Of Minneapolis

## Computer Skills

Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Microsoft Publisher, Microsoft Front Page, Microsoft Picture It, Word Perfect, Photoshop, Spot and Spot 4, Outlook Express, Quark Express, Quatro Pro, Adobe Photo Deluxe, Internet, and ArcSoft Camera Suite