

Improving the Description and Characterization of Glacial Successions for Environmental & Engineering Projects

June 10 & 11, 2008

Location:

Western Michigan University

With a field component illustrating commonly encountered conditions.

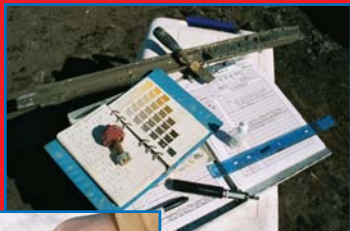
Instructors:

Tim Kemmis, PhD, PG
Earth Tech, Inc.

Alan Kehew, PhD, PG
Western Michigan University

Paul Kesich
Fermi National Accelerator Laboratory

Dan Kelleher, PG
Midwest GeoSciences Group



Continuing Education Units
16 Contact Hours
(1.6 CEUs)



**midwest
GEOSCIENCES
group**
www.midwestgeo.com

This exciting 2-day course addresses current problems facing geologists and engineers working on glaciated terrains across the United States. It includes classroom sessions and field exercises for learning how ground water movement and the distribution of geotechnical properties are affected by glacial depositional environments and the effects of secondary weathering. It features the technical and financial advantages of analyzing geologic data in the field along with ways you can apply these approaches to your projects. This is the only course that combines fundamental and innovative approaches to unravel glacial complexities coupled with getting the most from project budgets.

Here's what others say about this course:

"...the most relevant workshop I ever attended. A very nice blend of academic theory applied to environmental practice."

-Sarah Finley, Indiana Department of Environmental Management

"In practical terms, this is probably the most useful workshop that I have ever attended...."

- Andy Leith, Hennepin Co., Minnesota

"...this course ranks as one of the best. The format is good and the course taught relevant material.and the field portion is very helpful for learning the techniques presented earlier in the classroom"

- Adam Czaplinski, Omega Environmental, Inc.

"The course provided an outstanding range of topics presented by experienced instructors. Excellent, comprehensive course."

- Melissa Swartz, Geological Survey of Ireland

This two-day course updates procedures for modern, state-of-the-art geologic site characterizations in glaciated areas for environmental and engineering projects. It includes how to:

DESCRIBE AND CHARACTERIZE SEDIMENTARY SEQUENCES

- Learn to recognize and characterize glacial depositional environments
- Improve sediment descriptions on boring logs to characterize geologic framework
- Differentiate deposits from a succession of multiple glacial advances
- Recognize and understand the implications of weathering zones and secondary joint features
- Learn the local characteristics of Wisconsin Episode Glacial Stratigraphic Framework
- Provide a rationale for geotechnical sampling and testing that is related to project objectives and site stratigraphy
- Learn the importance of characterizing ground water movement through individual fine-grained glacial units
- Assess field data for proper well placement and geotechnical testing
- Learn to manage project budgets wisely by making informed field judgements

IMPROVE YOUR FIELD AND ANALYSIS SKILLS

A continuous soil core sampled on-site using Rotasonic will be used to:

- Examine the deposits and learn to recognize sequences from multiple glacial advances
- Learn field recognition of a weathering zone
- Practice classifying and describing sediments to improve boring log descriptions
- Improve field characterization skills for accurate well placement and geotechnical testing
- Learn about recent Rotasonic sampling updates



Soil core drilled on site by:



REGISTRATION FORM

Improving the Description and Characterization of Glacial Successions for Environmental and Engineering Projects
June 10 & 11, 2008

Last Name: _____ First Name: _____

Company: _____ Position: _____

Address: _____

City, State, Zip: _____

Phone: _____ Email: _____

*For early registration, payment must be received before June 2, 2008. Cancellations may be made before June 2, 2008 however, 25% of the fee will be charged. No refunds. Govt. and student discounts available. Complete registration information at www.midwestgeo.com. Questions: 763.607.0092 or email: info@midwestgeo.com

Course Fee: Register Now \$780
After June 2 \$995

Check Enclosed
 VISA MasterCard AMEX

VISA / MC / AMEX NUMBER _____ EXP _____
CARDHOLDER NAME _____

Purchase Order _____

Mail completed form with payment to: Midwest GeoSciences Group
6771 County Road 8 SW
Waverly, Minnesota 55390

Or Register On-Line: www.midwestgeo.com