

An intensive 2-day workshop

TWO LOCATIONS!

Improving the Description and Characterization of Glacial Successions

for Environmental & Engineering Projects

Dates & Locations:

May 9 & 10, 2013
Indianapolis, Indiana

June 12 & 13, 2013
Red Deer, Alberta

Instructors:

Tim Kemmis, PhD, PG
Midwest GeoSciences Group

Dan Kelleher, PG, CIPM
Midwest GeoSciences Group

Continuing Education:

16 Contact Hours
(1.6 CEUs)

by Northern Illinois University

"This course is excellent. it should become the standard for logging in glacial deposits."

- Tom George,
Senior Geologist,
URS Corporation

FREE!

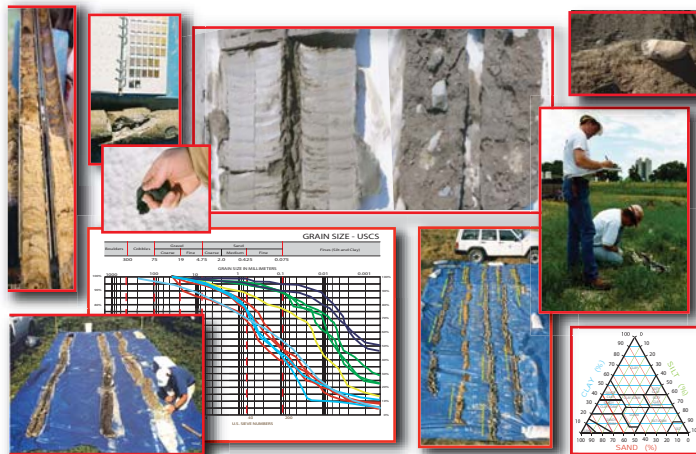
Field Guide for Soil & Stratigraphic Analysis and USDA Soil Texturing Field Flow Chart

with each registration. Also included is Glacial Deposits Chart, a 300-page course notebook, breakfast, lunch, and break; plus CEU course completion certificate.



midwest GEOSCIENCES group
www.midwestgeo.com

This popular 2-day course addresses current problems facing geologists and engineers working on glaciated terrains.



Learn to apply meaningful approaches to hydrogeologic and geotechnical characterization of glacial deposits.

This is the only course that applies these techniques to the technical and financial advantages of field

CONFIDENTLY CHARACTERIZE SEDIMENTARY SEQUENCES

- Learn to recognize glacial depositional environments, *and its importance for subsurface projects*
- Prepare meaningful sediment descriptions on boring logs
- Differentiate deposits from a succession of multiple glacial advances
- Discover the implications of weathering zones and secondary joint features
- Learn the sedimentary characteristics of the local glacial stratigraphic framework
- Begin using a rationale for geotechnical sampling and testing that is efficient for both project objectives and site stratigraphy
- Learn the importance of characterizing ground water movement through stacked fine-grained glacial units
- Understand proper monitoring well placement and differentiate isolated sand lenses from laterally-extensive monitoring zones with minimum number of borings
- Discover keys to accurate 3D mapping and modeling
- Begin managing project budgets wisely by making informed field judgements

ENHANCE YOUR HYDROGEOLOGIC AND GEOTECHNICAL EFFICIENCIES

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

- Examine the deposits and practice recognizing 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 meaningful well screen placement and geotechnical testing that is diagnostic of both site stratigraphy and project objectives
- Share your observations about applying these skills to professional projects

"This course is a MUST for anyone working in glacial deposits."

- Claire Milloy, WB Betty & Associates, Inc.

"An outstanding course; I highly recommend it."

- Nick Bonow, PG, PE, McCain and Associates

"...the most relevant workshop I ever attended."

- Sarah Finley, Indiana Department of Environmental Management

REGISTRATION

Improving the Description and Characterization of Glacial Sequences for Environmental and Engineering Projects
8 & 10 May 2013

Last Name: _____ First Name: _____

Position: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Email: _____

*For early registration, payment must be received before 1 May 2013. Cancellations may be made up to May 1, however 35% of the fee will be charged. Group Rate applies for 5 or more when registering at the same time. Some restrictions apply. No refunds. Questions? Call: 763.607.0092 or email info@midwestgeo.com.

Course Fee:

Group Rate Now \$480 USD

Register Now \$780 USD

After May 1 \$980 USD

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, USA 55390

Or Register On-Line:

www.midwestgeo.com