

Subsurface Characterization

SOIL BORING LOGS:

Making Soil Descriptions That are Complete, Accurate and Effective by: Tim Kemmis, Ph.D., PG

THE USE AND MISUSE OF THE UNIFIED SOIL CLASSIFICATION SYSTEM:

Understanding Soil Classification in the Field by: Tim Kemmis, Ph.D., PG

THE MEANING OF SOIL AND SEDIMENT COLOR:

Effects from Geologic Material, Ground Water and Chemistry by: Art Bettis, PhD

ROCK CORE LOGGING FOR HYDROGEOLOGIC PROJECTS:

Assessing Recovery, RQD, Fractures and Stratigraphy by: Dan Kelleher, PG, CIPM

WELL DESIGN AND CONSTRUCTION:

Selecting Appropriate Filter Pack and Screen Slot Size by: Al Smith

HYDROGEOLOGY OF GLACIAL DEPOSITS

Five Part Series relating Depositional Environments and Weathering by: multiple instructors

Permeability Testing

SLUG TESTING FOR SITE CHARACTERIZATION :

Practical Guidelines to Improve Efficiency and Accuracy by: Jim Butler, Ph.D.

AQUIFER PUMPING TEST TECHNIQUES :

Six Part Series by multiple instructors

STEP-BY-STEP PACKER TESTING :

Measuring Hydraulic Conductivity and Aquifer Properties for Hydrogeologic Projects by: Ken Bradbury, Ph.D., PG and David Hart, Ph.D., PG

INTERPRETING AQUIFER TESTS IN FRACTURED ROCK

by: Allen M. Shapiro, Ph.D

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Demystifying the Conventional Overreliance of Grain Size for Understanding Ground Water Flow by multiple instructors

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Evaluating the Significance of Matrix Diffusion by: Allen M. Shapiro, Ph.D

UNCONFINED AQUIFER RESPONSE TO PUMPING

by: Shlomo P. Neuman, Ph.D

HYDROGEOLOGY OF KARST CONDITIONS :

Applied Methods of Karst Hydrology by: Dr. Chris Groves and Ms. Lee Anne Bledsoe

KARST CHARACTERIZATION USING GEOPHYSICS :

Effective Geophysical Methods for Karst by: Phil Carpenter, Ph.D.

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Contaminants of Concern

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Convention, Misconceptions and New Advances by: Mark R. Adamski, PG and Andrew Kirkman, PE

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Assessing Analytical Methods and Understanding Hydrocarbon Chemistry by: Lyle Bruce, Ph.D., PG

ARSENIC IN GROUND WATER :

Arsenic Geochemistry: Demystifying the Complexities and "Conventional Wisdom" by: Madeline Gotkowitz, PG. and Madeline Schreiber, PhD.

VIRUSES AND BACTERIA: Contaminants of Concern

by: Mark Borchardt, PhD and Ken Bradbury, PhD and Andrew Jacque, PhD

1,4-DIOXANE: Occurrence, Fate, Transport and Remediation

by: Tom Mohr

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Using Common Statistical Models and Applying Non-Detect Strategies and Guidance by: Kirk M. Cameron, Ph.D.

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for Environmental and Engineering Professionals by: C.W. Fetter, Jr. Ph.D.

10 MISTAKES LEADERS MAKE by: Bill Truby, M.A., MFCC and Joann Truby

** denotes the only webinar ever taught by the late Dr. C.W. Fetter, author of *Applied Hydrogeology* and *Contaminant Hydrogeology*