

Aquifer Testing Techniques for Improved Hydrogeologic Site Characterization

Featuring **AQTESOLV™** and the **In-Situ LevelTROLL®**

Oct 16 & 17, 2018

In-Situ, Inc. Headquarters
Fort Collins, CO

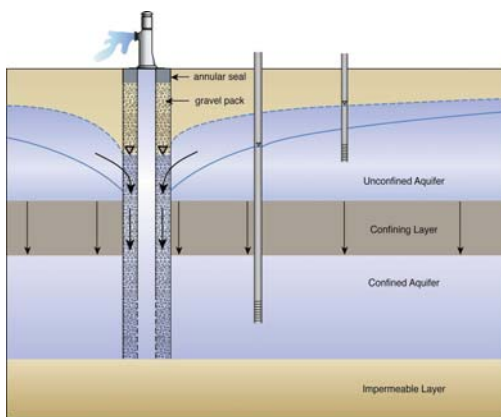
Instructors:

Jim Butler, PhD, PG

Kansas Geological Survey and
Past NGWA Darcy Lecturer

Glenn Duffield

HydroSOLVE, Inc. and
Author of AQTESOLV



Even when you are confident of the geologic conditions, you may have difficulty designing effective aquifer tests, running field equipment or selecting the best available model to analyze the test data. Where can you turn to improve your approach and skills for aquifer testing?

In-Situ, Inc. and Midwest GeoSciences Group can help! We have designed a powerful two-day training course on aquifer testing design, field methods and data analysis techniques featuring AQTESOLV and the In-Situ Level TROLL. This course will provide you with the knowledge to master aquifer testing from beginning to end - using world class field equipment and aquifer test software.

Master State-of-the-Art Field and Analysis Procedures

- Learn to design the most effective aquifer test programs for a wide range of geologic conditions (including low permeability confining units and fractured bedrock)
- Gain an advantage during your next aquifer test by mastering new field and data analysis procedures
- Find out how to differentiate laterally extensive sands from isolated sand bodies
- Discover new techniques for anticipating and resolving problems that may arise in aquifer tests
- Obtain step-by-step instruction for field screening using AQTESOLV computerized analysis

Learn Up-To-Date Slug Testing Procedures

- Learn to select and apply appropriate slug test models for different hydrogeologic settings and well configurations
- Maximize results from tests conducted in wells screened across the water table
- Find out how to recognize and account for the effects of noninstantaneous (noisy) test initiation and wellbore skin
- Discover the latest strategies for designing, conducting and analyzing tests in high-K media including oscillatory responses
- Gain knowledge of new approaches for decreasing test duration in low-K media

Discover Recent Advances in Pumping Test Methods

- Learn to design, conduct and analyze pumping tests in confined, leaky, unconfined and fractured aquifers
- Master strategies for dealing with variable pumping rates, wellbore storage, partial penetration, well losses, wellbore skin and other common issues
- Discover diagnostic methods including derivative analysis that help you select appropriate pumping test models
- Gain an advantage by applying Agarwal's method for analysis of recovery data
- Find out the best procedures for monitoring a pumping test with the In-Situ, Inc. Level TROLL
- Master tips and tricks for using AQTESOLV to analyze constant-rate, step-drawdown and recovery tests



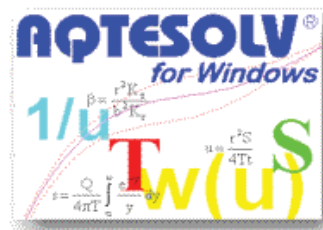
COLORADO SCHOOL OF MINES

16 Contact Hours
(1.6 CEUs)

CEU Certificate Optional

BRING YOUR COMPUTER

Analyze data from a variety of hydrogeologic conditions and well configurations using AQTESOLV. Participants may bring their own project data for analysis for QA/QC by the instructors.



Advanced registration is necessary for participation in this limited-enrollment short course. Pre-registration is required to reserve space and receive course materials. A confirmation letter and map will be sent within 10 days following your course registration.

**midwest
GEOSCIENCES
group**

www.midwestgeo.com

REGISTRATION

Aquifer Testing Techniques
for Improved Hydrogeologic Site Characterization
Featuring AQTESOLV and the In-Situ LEVEL TROLL
October 16 & 17, 2018

Last Name: _____ First Name: _____

Position: _____

Company: _____

Address: _____

City, State, Postal Code: _____

Phone: _____

Email: _____

Course Fee:

Register Now..... \$750.00

After Oct 6 \$975.00

Check Enclosed

VISA MasterCard

VISA / MC NUMBER _____ EXP _____

CARDHOLDER NAME _____

Purchase Order _____

Mail completed form with payment to:
In-Situ, Inc.
221 East Lincoln Avenue
Ft. Collins, Colorado 80524

Or On-Line: www.midwestgeo.com

*For early registration, payment must be received before October 6, 2017. Cancellations may be made up to October 1st, however 35% of the fee will be charged. No refunds. Maximum number of 40 registrations for this course. Payments processed by In-Situ, Inc. Course location is the MAIN TRAINING ROOM at the headquarters of In-Situ, Inc located on Lincoln Avenue in Fort Collins, Colorado. Questions? Call Customer Service at 763.607.0092 or email service@midwestgeo.com.