

LSP ASSOCIATION CONTINUING EDUCATION SEMINAR

Hydrogeology of Massachusetts

Tuesday, March 7, 2017

*This course has been approved by the LSP Board for 8.0 hours of "technical" (non-DEP) continuing education credit (Course #1232). This is a **repeat** course that was last offered in November 2014. This course has also been approved for 8.0 LEP Credits (CTLEP#-163) and for 8.0 NYPE PDH Credits (PS#004243).*

DESCRIPTION:

This course will include concepts, facts, and sources of information for the geologic and hydrologic conditions of ground-water systems in Massachusetts. The course will cover the regional context (larger-scale features) within which site ground-water investigations (assessments or remediations) can be viewed, with an emphasis on those conditions that are unique or different about hydrogeologic conditions in Massachusetts. Results of several case studies of surficial and bedrock aquifers will be presented. Each of these units has unique hydrogeologic characteristics that affect the distribution and movement of water through those units. In addition, sources of hydrogeologic and water-quality information for ground-water systems in Massachusetts will be identified.

COURSE OUTLINE

8:00 AM	Start Time
8:00 – 8:15 AM	Introduction
8:15 – 9:45 AM	Regional Geology of Massachusetts
9:45 – 10:00 AM	Break
10:00 – 11:00 AM	Regional Hydrology of Massachusetts
11:00 – 12:00 PM	Hydrogeology of Massachusetts
12:00 – 1:00 PM	Lunch
1:00 – 3:00 PM	Case Studies of Aquifer Systems
3:15 – 3:30 PM	Break
3:30 – 4:00 PM	Case Studies of Aquifer Systems Continued
4:00 – 4:45 PM	Ground-Water Quality of Massachusetts
4:45 – 5:00 PM	Summary

INSTRUCTOR:**Stephen P. Garabedian, Ph.D.**

Steve Garabedian is an independent hydrogeologist and lecturer working in the New England region. Steve worked for 30 years as a scientist with the US Geological Survey, having conducted hydrologic and water quality studies in New England and Idaho, supervised hydrologic studies in Massachusetts and Rhode Island, and managed the Conte Research Lab in Turners Falls, Massachusetts. Steve's education includes a BS in Geology from the University of Connecticut, an M.S. in Geology from Penn State, and PhD in Civil Engineering from MIT. Steve has also taught a number of courses on hydrogeology and ground-water hydrology at Boston-area Colleges and Universities, along with short courses for the LSPA.