

ADVANCED GROUNDWATER INVESTIGATIONS (AGWI)

1 DAY

This one-day, advanced groundwater course is designed to provide participants an opportunity to apply their geologic and hydrogeologic skills to solve a challenging site investigation problem in eastern Washington. The course is intended for on-scene coordinators, remedial project managers, and other site professionals with **extensive groundwater investigation backgrounds**.

Participants will construct geologic cross-sections, subsurface lithology maps of aquifers and water-level and potentiometric groundwater surface maps using soil boring logs, geophysical logs, and water surface measurement data from wells. They will compare this data and aquifer test data to establish the contamination source at a municipal water supply well.

At the beginning of the course, the instructors will supply brief descriptions of hydrogeologic concepts and borehole geophysical logs. They will then divide the participants into small groups. An hour before the end of the session, each group will present its results to the others.

The students will accomplish the following objectives:

- Refresh basic geologic/hydrogeologic concepts
- Apply geologic/hydrogeologic skills
- Solve challenging problems incorporating geologic analysis, aquifer test analysis, well log analysis, cross sections, and subsurface mapping.

Continuing Education Units: 0.7