

# Introduction to hydrogeology

## Intended audience

Geologists, environmental scientists and others needing to gain an understanding of the key principles of hydrogeology. The course assumes little or no previous experience of groundwater, and would be suitable for professionals working in industry and academia, as well as post-graduate students.

## Course objectives

To give participants:

- A grounding in the principles of hydrogeology.
- An ability to make sound hydrogeological decisions including when to call in a specialist hydrogeologist.

## Course description

This course provides an introduction to the theory and practice of hydrogeology covering both the water resource and quality aspects of the subject. The following topics are covered:

- Water — an introduction to the resource.
- The hydrological cycle.
- Fundamental aquifer concepts.
- Aquifer flow.
- Aquifer protection.
- Groundwater occurrence.
- Groundwater exploration.
- Pumping tests.
- Groundwater contamination.
- Groundwater quality.
- Groundwater modelling.

## Course duration

4 days

## Delivery mode

Classroom-based course

## Course fee

£1250

Course fee based on delivery at BGS's training centres

## Date(s)

As required

## Location

The course is available at BGS's Nottingham (Keyworth) or Edinburgh training centres, or at customer premises worldwide, by arrangement



Classroom demonstration of subsurface fluid flow paths.