

Site Investigation Awareness



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Introduction

This one day course will look at the various methods available to carry out intrusive and non intrusive investigation. Whilst the course will concentrate on geotechnical methods some geo-environmental methods will be briefly discussed.



Course Content

The session will start by looking at the aims of the investigation and categorise the various stages in an investigation including:

- ✔ Desk Study
- ✔ Techniques
- ✔ Forms of Investigation
- ✔ Sampling
- ✔ Instrumentation and Monitoring

The desk study will be considered. This will include a look at what information can be obtained from existing records such as maps, government agencies, and web sites. This session will also look at the information which must be provided by the client.

This course will look at intrusive techniques starting with hand held equipment and pitting. A critical assessment of the advantages and disadvantages of these methods will be made. This will cover quality of the information obtained the ease of operation and limitation with respect to depth and interpretation of the output.

The course will progress to other forms of investigation such as cable tool drilling and rotary drilling. Again an assessment will be made of the advantages and disadvantages of these methods, quality of output and limitations.

The appraisal will look at sampling methods and quality. An overview of typical field record sheets and how and what data needs to be recorded.

Instrumentation and long term monitoring will be briefly discussed before the class moves into the field where some of the techniques discussed during the day can be viewed, to obtain first hand impression of what these various methods provide.

The session will finish with an overview on how to draw together and assess the field data and ways this information can conveyed.

Who should attend ?

This course is intended for engineers, geologists, environmental engineers, technicians and clients who currently or may procure, specify, supervise or carry out Site Investigations.

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