



GROUND TECHNOLOGY



## Phase 1 Desk Study

A Phase 1 Desk Study should be carried out for all sites prior to development in accordance with current best practise and guidelines.

The aim of an Environmental Desk Study Report is to provide sufficient data and evidence to produce a robust preliminary conceptual model for the site. The study is primarily undertaken to identify potential sources of contamination, possible pathway routes, and potential receptors both on and off-site. This information is then used to determine whether any pollutant linkages exist for a given site.

If any such pollutant linkages are identified, the degree of risk of the pollutant linkages giving rise to significant harm to the identified receptors, is assessed. This allows a rapid preliminary assessment of the environmental liabilities associated with the site, and forms the basis of whether a site could be considered “contaminated” with respect to the current legislative framework. The assessment identifies whether further work is required, in the most economical way possible. Uncontaminated sites can therefore be screened out at an early stage, saving time and money.

We are able to provide comprehensive Phase 1 Desk Study Reports, which consist of the following items:

- Site Walkover Survey
- Historical Map Review
- Geological Setting
- Hydrogeological Setting
- Subsidence Hazard Risk
- UXO Risk Assessments
- Flood Risk
- Geological Hazard Assessment
- Aerial Photography Appraisal
- Current and Historical Potentially Contaminative Uses
- Local Authority and Environment Agency Data Searches

In conjunction with offering an economical, phased approach to the identification of potentially contaminated land, our team of environmental engineering specialists are also able to provide further advice and services. The Desk Study information is applied to assess the environmental priorities and to develop the future site investigation strategy for the site, allowing us to economically design, and implement a Phase 2 Contaminated Land Investigation, including appropriate regulatory authority liaison.