

Hydrogeology

Groundwater is a valuable natural resource that requires protection and careful development to safeguard its future. Under the European Water Framework Directive (WFD) groundwater is protected both as a drinking water resource and for its environmental value.

EnviroCentre offer a wide range of hydrogeological services to the manufacturing, mining, quarrying, energy, waste disposal and environmental services industries. We aim to provide a comprehensive package of services required under different regulatory frameworks such as Environmental Impact Assessment (EIA), Pollution Prevention and Control (PPC), Part IIA – Contaminated Land and Controlled Activities Regulations (CAR).

Key Services:

- Hydrogeological assessment
- Hydrogeological Risk Assessment (HRA)
- Numerical groundwater modelling (using LandSim and Groundwater Vistas software)
- Groundwater remediation
- Monitored Natural Attenuation (MNA)
- Acid mine leachate
- Resource assessment

Clients:

- Local Authorities
- Manufacturing Industry
- Landfill & Quarry Operators
- Renewable Energy Industry
- Mining Industry
- Land Developers



Key Projects:

- Hydrogeological assessment for a proposed opencast coal mine, Fife
- Hydrogeological Risk Assessment for ongoing landfill operations, Glasgow
- Hydrogeological Risk Assessment for a pharmaceutical works, Scotland

Related Services:

- Groundwater and surface water monitoring
- Hydrological assessment
- Contaminated land investigation
- Contaminated land remediation
- Quantitative Risk Assessment
- Environmental Impact Assessment (EIA)
- Strategic Environmental Assessment (SEA)
- Due Diligence and Pre-acquisition Auditing
- Sustainable Urban Drainage Systems (SuDS)
- Expert witness
- Feasibility studies for Private Water Supplies (PWS)
- Education, training & capacity building

