

HYDROLOGY AND HYDROGEOLOGY

As a society, everything that we do revolves around water and the water environment. Our experts have deep knowledge and understanding of the potential intricacies and interrelationships within the water environment – especially in relation to ecology, land quality and drainage.

We know that every venture has its own distinct challenges and our initial approach to each project starts by understanding the unique sensitivity and functionality of the groundwater and surface water setting. Taking a collaborative approach, we design and deliver a comprehensive scope of works, based on the intelligent application of scientifically sound methodologies.

As regular contributors to multi-disciplinary projects our water scientists understand the requirements of design to reflect function, whilst keeping often unavoidable impacts to the water environment to an acceptable minimum. By using the intelligent enhancement of scheme design or the introduction of practical mitigation or compensation measure we are committed to providing workable solutions to complex issues.

Our expertise

- Water supply development and management
- Groundwater and wellfield protection
- Groundwater and surface water modelling
- Groundwater source protection zone delineation
- Hydrogeological impact assessments
- Water Framework Directive (WFD) assessments
- Landfill assessments
- Natural resource management
- Water storage designs
- Private water supply assessments
- Natural mineral water, spring water and bottled drinking water
- Borehole prognosis reports
- Mine dewatering and depressurisation
- Mining hydrology and hydrogeology
- Pump and pipeline system design
- Integrated water management
- Water balance studies
- Tailings seepage and recovery



Project experience

Ayrshire Shorelines
Management Plan

Heathland Wind Farm

Reservoir Inundation Modelling

SEPA National Flood
Risk Assessment