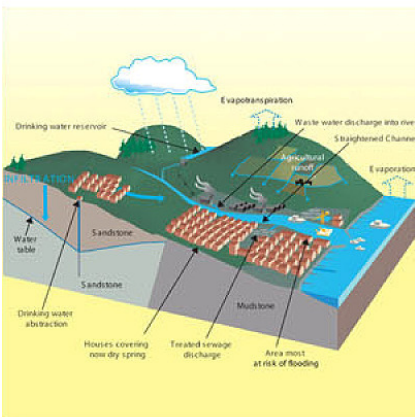


Anglian Framework Contract 2005-09 Environment Agency, Anglian Region



The Anglian Framework for hydrogeological investigation and modelling is one of the largest groundwater investigation programmes in the UK. This second Framework was established in order for the Agency to deliver their Strategy for Groundwater Modelling and Water Resource Management, to support the Restoring Sustainable Abstraction (RSA) programme and to undertake the Level Network Review. Entec was sole provider for the first Framework and was re-appointed as lead consultant to the second Framework.

The Environment Agency Anglian Region's Strategy for Groundwater resources assessment and modelling is aimed at providing the Agency with the tools and information to make groundwater resource decisions based on sound science and good technical practice. The programme identifies the need for collation of existing data and information, together with collection of additional data, if required, leading to the development of eight regional distributed groundwater flow models, which will underpin decision-making on water resources management.

This work has resulted in some of the most advanced and groundbreaking groundwater models in the UK covering the main aquifers (Chalk/Crag, Lincolnshire Limestone, Woburn Sands and Spilsby Sandstone). The completed models have also been uploaded onto the Agency's National Groundwater Model System (NGMS).

Projects within the programme also technically underpin decision-making for the RSA programme which has resulted in the investigation (including extensive

fieldwork) and assessment of approximately 70 wetland sites. This work is also contributing to the Agency working towards meeting its PSA target of achieving favourable status for 90% of wetland sites by 2010.

The review of the groundwater level monitoring network has been designed to meet both national needs and the requirements set out in the recent review by the Audit Office. Information used in building the regional models has helped with rationalisation of the network and, as appropriate, identifying gaps in the network that will require filling by the establishment of new monitoring points.

In addition to the core activities, work is also undertaken to provide hydrogeological advice on projects related to contaminated land issues, groundwater protection zones, WFD, CAMS, etc.

The Framework provides technical expertise with around 20-30 individual assignments running at any one time. The success of the Framework is in its team-working approach that allows stakeholders to contribute actively to deliverables. Strong emphasis is placed upon framework management with regular reporting, programme planning and resourcing to ensure that current progress is monitored and that assignments can be planned and delivered in an efficient manner. The framework value to Entec is approximately £2.5m pa.

Providing technical expertise to deliver major water resources strategy

