

Geological Survey of Ireland - Groundwater Programme Hydrogeological Consultancy: Source Protection

Introduction

The Groundwater Programme, Geological Survey of Ireland (GSI), currently requires a hydrogeologist to undertake source protection work. This work will primarily involve the completion of *four* source protection reports for sources in County Louth and the production of *two* additional source protection reports for sources in County Cavan, including delineation of source protection zones.

Background

Part of the work for the Louth sources has already been undertaken, including most of the fieldwork. It is therefore anticipated that each of the Louth source reports will take an average of 8 days to complete, which is likely to include a brief site visit, data analyses, delineation of the source protection areas and report writing.

For examples of the GSI's source protection reports, please refer to the website (www.gsi.ie/Programmes/Groundwater/Projects/Protection+Scheme+Status.htm).

The majority of the Cavan source protection work has yet to be initiated. This suite of work is expected to take approximately 40 days to complete (20 days for each source), to include all of the required elements and appropriate fieldwork (estimated as 6 days in total, taking previous work into account).

In summary, it is estimated that the specified work will take a total number of 72 days. Completion of the Louth source work will commence on awarding of the contract. The Cavan source work is likely to begin later in the year.

There is also the possibility of extending the scope of the contract to include additional source protection work, should this arise during 2010.

Essential Criteria

In order to fulfil this role, consultants would need a strong knowledge of:

- Irish hydrogeology
- Source protection, and specifically the delineation of Inner and Outer Source Protection Areas
- Groundwater vulnerability mapping, including subsoil permeability assessment using BS 5930
- GIS (ESRI ArcGIS products; MapInfo etc.)

Desirable Criteria

- Completion of the *Groundwater Source Protection Zone Delineation Workshop* (GSI/EPA/IGI)

As this is a government contract, the successful contractor must be able to provide a valid Tax Clearance Certificate.

Application

Applications should include:

- a current *Curriculum Vitae*

- a covering letter demonstrating that all of the criteria are met
- a fixed-price cost of the work outlined, including field expenses
- day and weekly rates for any additional work

Applications should be marked “**Groundwater Source Protection Consultancy**”, and sent to the address below by Wednesday 10th March, 2010:

Monica Lee
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Geological Survey of Ireland,
Beggars Bush,
Haddington Road,
Dublin 4,
Ireland.

Please note that the GSI is not obliged to accept either the lowest cost or any of the applications.