

**Grand River Conservation Authority**  
**Temporary Non Union Position**  
**Internal/External Posting**

**Job Reference:** 246

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<b>Job Title</b>	<b>: Hydrogeologist</b>	<b>Job Level</b>	<b>: H</b>
<b>Section</b>	<b>: Groundwater Resources</b>	<b>Location</b>	<b>: Head Office</b>
<b>Division</b>	<b>: Resource Science, Information &amp; Policy</b>		

**Job Overview**

Reporting to the Senior Hydrogeologist, the Hydrogeologist applies their expertise and experience in groundwater studies and project management to various ongoing programs and studies at the Grand River Conservation Authority (GRCA). The major tasks associated with this position are to (1) coordinate and assist in project management of consultant studies, particularly related to Source Protection (2) compile, assess and synthesize data and interpretations completed as part of various groundwater studies carried out within the watershed (3) assist with the development of GRCA's groundwater monitoring program and (4) provide expertise on groundwater issues to the GRCA's property and planning divisions.

**Specific Accountabilities**

1. **Drinking Water Source Protection:** Work with other staff on the Lake Erie Watershed Region Project Team to develop Drinking Water Source Protection Plans for the Kettle Creek, Catfish Creek, Long Point Region and Grand River Conservation Authorities. Assist in the administration of consultant contracts to complete technical studies in support of Drinking Water Source Protection. Review completed municipal groundwater studies and on-going studies as they become available
2. **Groundwater Program Development:** Assist the Senior Hydrogeologist with activities related to the Provincial Groundwater Monitoring Program and the GRCA groundwater monitoring program including reviewing the rationale document, drilling of new wells, locating and instrumenting existing wells, and sampling for water quality. Carry out hydrogeological field measurements and investigations, as required. Compile, analyze, and summarize in technical reports the results of monitoring and investigations carried out by the Groundwater Resources. Assist in the technical review of other geological and hydrogeological reports.
3. **Groundwater Modelling:** Develop, implement, and enhance numerical tools required to characterize groundwater flow, surface/groundwater interactions, significant recharge areas, etc.
4. **Information Development and Maintenance:** Work with other technical staff to develop, maintain, and integrate groundwater data in a relational database needed to support analytical tools.

### **Technical Requirements**

1. University degree in geoscience or equivalent, M.Sc. in hydrogeology preferred. Registration or eligibility as a Professional Geoscientist (P.Geo.) or Geoscientist in Training or, where competent by virtue of training and experience to practice geoscience, a Professional Engineer (P.Eng.) or Engineer in Training.
2. A minimum of 3 to 5 years work experience in the areas of physical and/or contaminant hydrogeology, groundwater protection, or groundwater related field investigations.
3. Knowledge and experience in the measurement of hydrogeological parameters.
4. Knowledge of the principles controlling regional and local groundwater flow systems.
5. Thorough knowledge of the sources of groundwater/geology – related data and the typical structure/format of groundwater data.
6. Familiar with the Ministry of the Environment water well database, groundwater regulations, and policies.
7. Knowledge and experience of water resource issues and watershed management.
8. Experience with project management.
9. Working knowledge of various computer programs (Access, Excel, GIS, Word, FEFLOW, and statistics).
10. Excellent technical written and oral communication skills.
11. Ability to plan, organize, and manage several concurrent projects.
12. Experience and aptitude communicating and working with a variety of technical and non-technical people an asset.
13. A valid drivers license and ability and willingness to travel in Southern Ontario.

**Desired Staffing Date: April 2010**

**Length of Contract: Approximately April 2010 to March 2011**

**Forward Application to: Careers**

**Grand River Conservation Authority**

**400 Clyde Road**

**Cambridge, ON N1R 5W6**

**Fax: (519) 621-9934**

**E-mail: [careers@grandriver.ca](mailto:careers@grandriver.ca)** (Please send resume and cover letter as PDF or MS Word document.)

**Deadline for Applications: 4:00pm Thursday February 18, 2010**

We thank you for your interest, however only candidates under consideration will be contacted.