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Geotechnical Group**



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## Invitation

### The Ottawa Geotechnical Group

Presents:

### City of Ottawa Geoscience Information Management System (GIMS) Project

by

**Kevin Cover, Sean Sterling, Paul Hurst, Paul Stacey,**

**Date:** Tuesday, February 21, 2017

**Time:** Registration at 11:45  
12:00: Full Hot Buffet Luncheon  
12:45: Presentation

**Location:** Hellenic Meeting and Reception Centre, 1315 Prince of Wales Drive, Ottawa, Ontario

**Admission:** \$15 for members, \$25 for non-members, \$10.00 for students. Cash or cheque.

**RSVP:** [rsvp@ottawageotechnicalgroup.com](mailto:rsvp@ottawageotechnicalgroup.com) by **Noon February 18, 2017**

*Please note that it is only \$25 to become a member of the OGG. You can sign up at this event!*

### Abstract

The City of Ottawa is involved with many infrastructure planning and development projects that require the collection of geoscience information for analyses and interpretation. Significant investments are made annually in supporting these project-specific studies. The geoscience information collected for one project

could be incorporated into the review for another, which can potentially reduce the data collection costs for subsequent projects and increased understanding of subsurface conditions. This information currently resides in many places in numerous formats.

The City is generally data-rich due to the large number of projects they complete, the exception being with respect to well managed geology/geoscience data which is fundamental to all infrastructure projects. Boreholes are the dominant source of geoscience information. Boreholes are required to provide geotechnical and hydrogeological information for a wide variety of purposes including City infrastructure and facility projects, development projects for buildings and structures, and for determining the availability and adequacy of drinking or process water supply for private and communal systems.

The City is embarking on a project to construct and maintain a comprehensive and robust Geoscience Information Management System (GIMS) project with the highest quality data available. This project has the interest and support of federal and provincial government agencies and is intended to service the local consulting community as the primary stakeholder. The overall purpose/objectives of the GIMS project are to:

- Establish a comprehensive and authoritative database of geotechnical data in an accessible repository;
- Make the estimated \$25M of geoscience information accessible for all, including the consulting community and government agencies, for:
  - The common understanding of the City's geotechnical landscape
  - Leveraging of the extensive investments in the acquisition of geoscience information;
  - Minimize the duplication of data collection, interpretation efforts, and costs;
  - Maximize the effective use of all geoscience information;
  - Improve decision-making;
  - Reduce project risks and risks to the environment; and,
  - Select a preferred option that will have the lowest life-cycle costs while minimizing any data handling/processing by City staff at the intermediate stage (e.g. maximize the requirement for the user to import data from the source).

This project is underway but still in its design stage. This presentation will attempt to bring the local geoscience community up to speed with the City's intentions, work completed to date, and future steps.

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## About the Speakers

Kevin Cover is a Senior Project Manager in Infrastructure Planning, in the City's Asset Management Branch in Infrastructure Services. Kevin is the City representative that is managing this project. A major portion of his work is Infrastructure System Characterization following asset management principles. He has a B.A.Sc and M.A.Sc (Civil Engineering Water Resources) from the University of Waterloo.

Sean Sterling is a Senior Hydrogeologist with Geofirma Engineering Ltd. and is the Lead Consultant project manager for this project. His experience is focussed on obtaining and managing high quality data from a variety of projects including deep bedrock site characterization (e.g. nuclear waste disposal) and contaminated site investigations / remediation projects. He holds a B.Sc. in Civil Engineering from Queen's University and an M.Sc. in Earth Sciences (Hydrogeology) from the University of Waterloo.

Paul Hurst is a Senior Environmental Engineer with Golder Associates Ltd who is subcontracted by Geofirma for this project. His experience is focused on the contaminated sites investigation and remediation industry with projects ranging from vacant lands to residential to heavy commercial and industrial properties. He holds a B.Sc. (Civil Engineering) and an M.Sc. (Geoenvironmental Engineering) from Queen's University.

Paul Stacey is an independent consultant and business owner of MapIT who is subcontracted by Geofirma for this project. He specializes in exploration and mining data management and is providing key insight and advice pertaining to data management options. He holds a B.Sc. degree (Geography) from Carleton University.

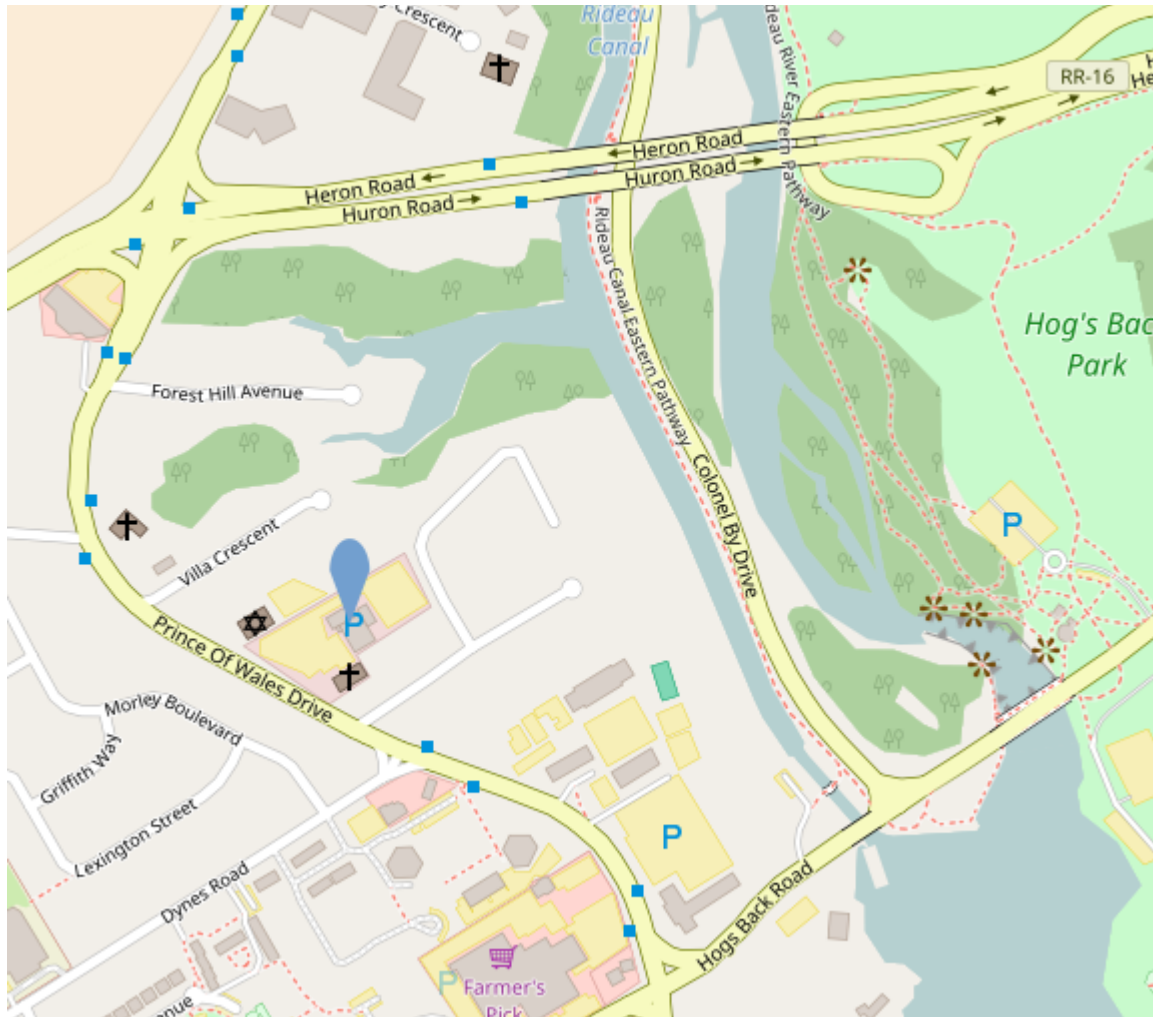
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## Map to Hellenic Meeting and Reception Centre



<http://www.openstreetmap.org/?mlat=45.37154&mlon=-75.70512>

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