

Making Use of the ORMGP Website

A Regional Partner's Perspective

Blythe Reiha, The Regional Municipality of York

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Presentation Overview

- Our Partnership
- York Region Data Enthusiasts
- The Data Sharing “Process”
- Day-to-Day Uses
- The “Future”



Our Partnership



Addressing:

- Groundwater management issues across municipal boundaries and watersheds;
- Public concerns related to the protection of the Oak Ridges Moraine.

Collaboration:

- Data collection, analysis, and sharing of information related to groundwater management...

+ More!

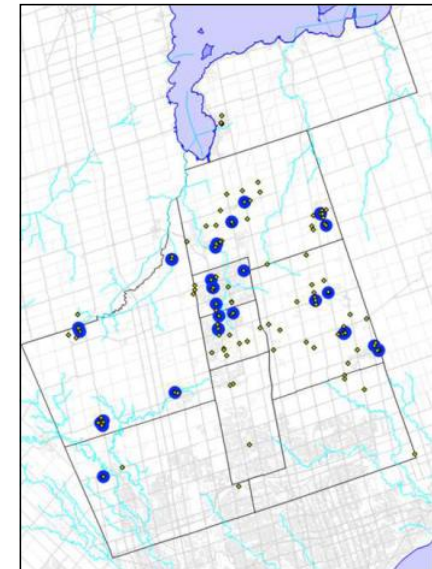
Who We Are



A Team of Water Enthusiasts:

- Program Manager
- Hydrogeologist
- Env. Geoscientist
- Hydrogeologic Modeller*
- Water Resources Specialist
- Field Technician

41 Production Wells
+
200+ Monitoring Wells



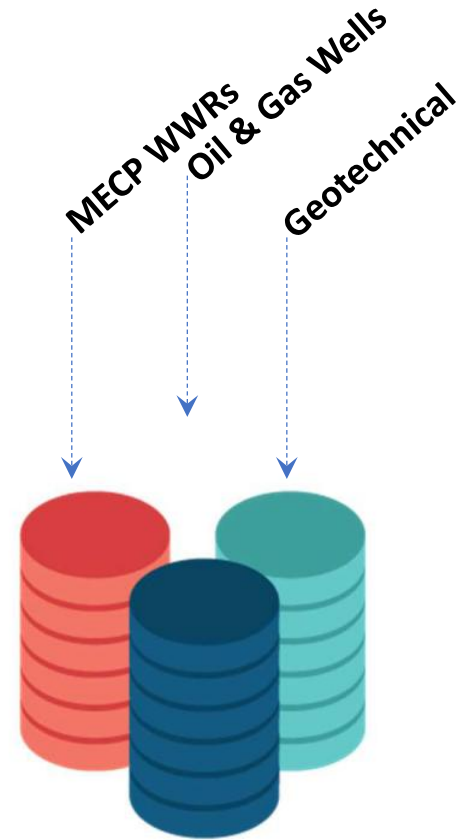
The Data Sharing “Process”



INPUT



Transfer



Day-to-Day Uses — Reports!

The screenshot shows a web browser with four tabs: Maps, Document Mapping, Boreholes, and ORMGP - Consolidated Mapping. The address bar shows the URL partners.oakridgeswater.ca/SitePages/Maps.aspx. The page is a SharePoint site with a blue header and navigation links for Newsfeed, OneDrive, and Sites. Below the header, there are three map-based data visualization tools, each with a title and a description. The middle tool, Document Mapping, is highlighted with a red border.

MOECC WWIS Wells

This map shows only the Ministry of Environment WWIS wells and allows you to quickly zoom in on your study area and link to the original water well record stored on line at the MOECC webpage.

Document Mapping

Here you will be able to quickly view any scanned PDF reports within your area of interest. Click on any individual report to view the original PDF file.

Groundwater Levels

All wells that have more than 30 water level measurements are displayed on this map. You can select a well and then see information associated with the well. Wells are grouped according to the geological unit they are interpreted to be screened across.

Maps | Document Mapping | Boreholes | ORMGP - Consolidated Mapping | Boreholes | Document Mapping | Search

maps.doc.ca.com/Html5Viewer/Index.html?viewer=CAMC_Document_Mapping.ols#

I want to...

Sign out | Search...

SharePoint | Newsfeed | OneDrive | Sites | blythe.reiha@york.ca

BROWSE PAGE

Partner Agency Data Portal

Home | Data Portal | Maps | Report Library Search | Monitoring Data

Document Search - Library

Document Search - Text

About Library Search

The "Document" table in the library can be searched using these four key fields: Title; Year; Author; and Author Agency. If you think that a word appears in the title of the report that you are looking for you can add it to the "Report Name" field (it must be in the title or bibliography). The "Author Agency" Field can be used to search for the consulting company that authored the report. Keep in mind that the library contains a wide variety of documents in addition to consulting reports (e.g. journal articles, government reports, scientific papers, newspaper articles, etc.)

Library Search

Report Name

Year

Author

Author Agency

Search

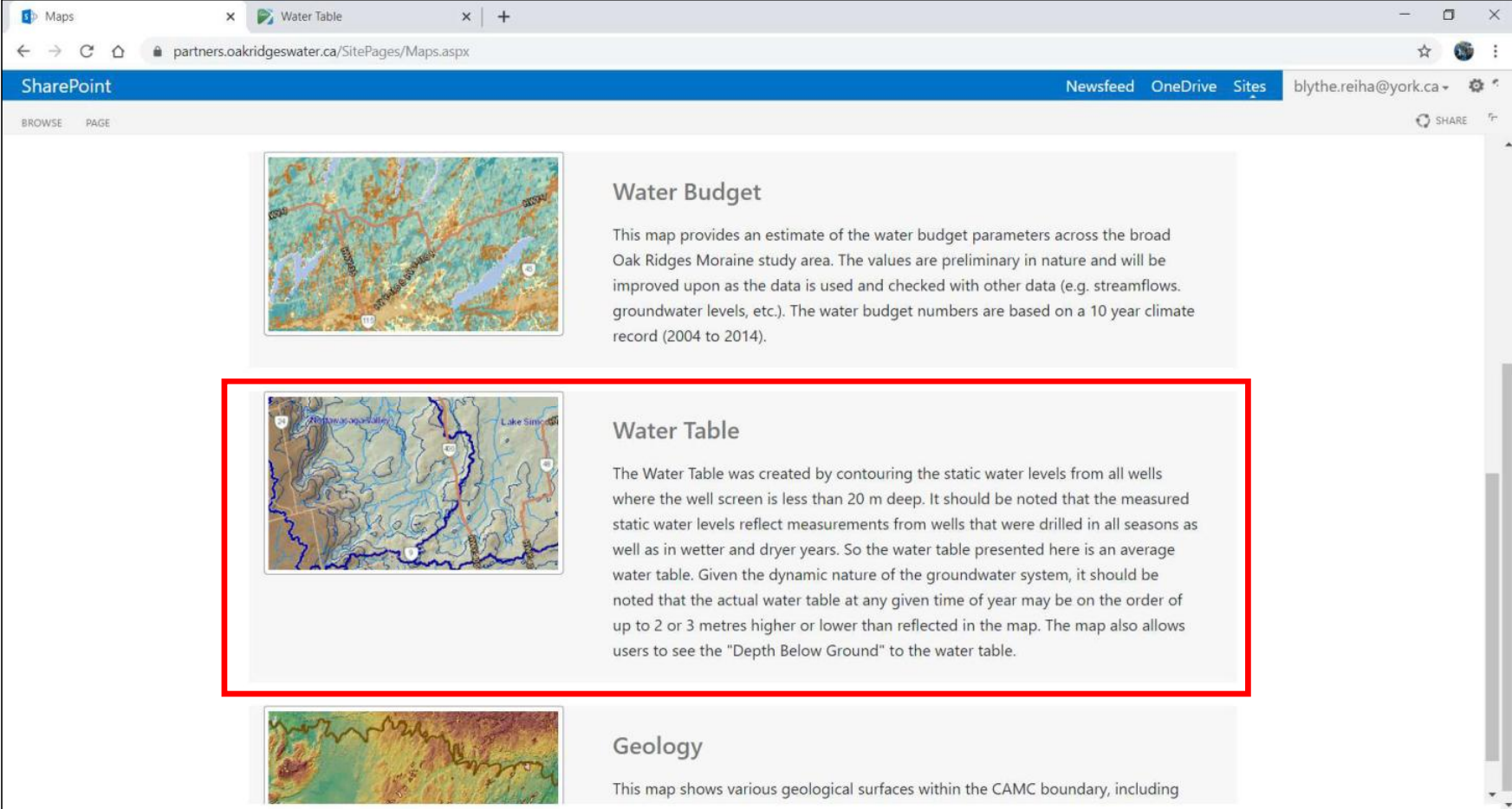
Title	Year	Author	Agency	Folder Scale of ID	Study
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Filter Layers...

- Boundary
- Assessment Parcel
- Documents
 - All Documents
 - Documents by Scale:
 - Document - Sites
 - Document - Local
 - Document - Regional
 - Document - Provincial Or
 - Document - Multi-Region
 - Document - Oak Ridges
 - Moraine
 - Document - National
 - Document - Provincial Qu

Layers | UTM NAD83 Zone 17 | X: 556201.83 | Y: 4951575.63

Day-to-Day Uses — Water Table Maps!



The screenshot shows a SharePoint web page with the following content:

- Water Budget**
This map provides an estimate of the water budget parameters across the broad Oak Ridges Moraine study area. The values are preliminary in nature and will be improved upon as the data is used and checked with other data (e.g. streamflows, groundwater levels, etc.). The water budget numbers are based on a 10 year climate record (2004 to 2014).
- Water Table**
The Water Table was created by contouring the static water levels from all wells where the well screen is less than 20 m deep. It should be noted that the measured static water levels reflect measurements from wells that were drilled in all seasons as well as in wetter and dryer years. So the water table presented here is an average water table. Given the dynamic nature of the groundwater system, it should be noted that the actual water table at any given time of year may be on the order of up to 2 or 3 metres higher or lower than reflected in the map. The map also allows users to see the "Depth Below Ground" to the water table.
- Geology**
This map shows various geological surfaces within the CAMC boundary, including

Day-to-Day Uses — Consolidated Mapping



The screenshot shows a SharePoint web browser interface. The browser address bar displays 'partners.oakridgeswater.ca/SitePages/Maps.aspx'. The SharePoint header includes 'SharePoint', 'Newsfeed', 'OneDrive', 'Sites', and the user profile 'blythe.reiha@york.ca'. The main content area is titled 'Partner Agency Mapping Portal' and features a navigation menu with 'Home', 'Data Portal', 'Maps', 'Report Library Search', and 'Monitoring Data'. Three content tiles are visible: 'Consolidated Mapping' (highlighted with a red box), 'Surface Water Analyses', and 'Cross Sections'. The 'Consolidated Mapping' tile includes a thumbnail of a map with yellow markers and a text description. The 'Surface Water Analyses' tile includes a thumbnail of a hydrograph and a text description. The 'Cross Sections' tile includes a thumbnail of a satellite map with black dots.

Partner Agency Mapping Portal

Home Data Portal Maps Report Library Search Monitoring Data

Consolidated Mapping

This site agglomerates many of the maps below into one single site using 'Layer Themes', making it faster and easier to switch between maps. Simply read the Home panel for a description of the available themes, then select a theme from the drop-down menu in the Layers tab and voila!

Surface Water Analyses

This map provides stream hydrographs for the long term streamflow monitoring stations managed either through Environment Canada, Ministry of Natural Resources and Forestry or a Conservation Authority. Users can view the long term hydrographs for a particular date range, perform baseflow separation "on the fly" and digitally download all data for further analyses.

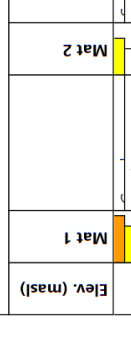
Cross Sections



ID: 131411
Easting: 630474.5625
Drilling Method: Cable Tool
Water Level Count: 6
Water Quality Count: 0
Daily Pumping Count: 5

Well / BH Name: 6921835
Northing: 4897967
Primary Purpose: Engineering
WL Start Date: 11/15/1991
WQ Start Date: NA
Rec Pumping Rate: null

Original Name: 6921835
Date Completed: 11/15/1991
Secondary Purpose: Geotech Testhole
WL End Date: 11/15/1991
WQ End Date: NA

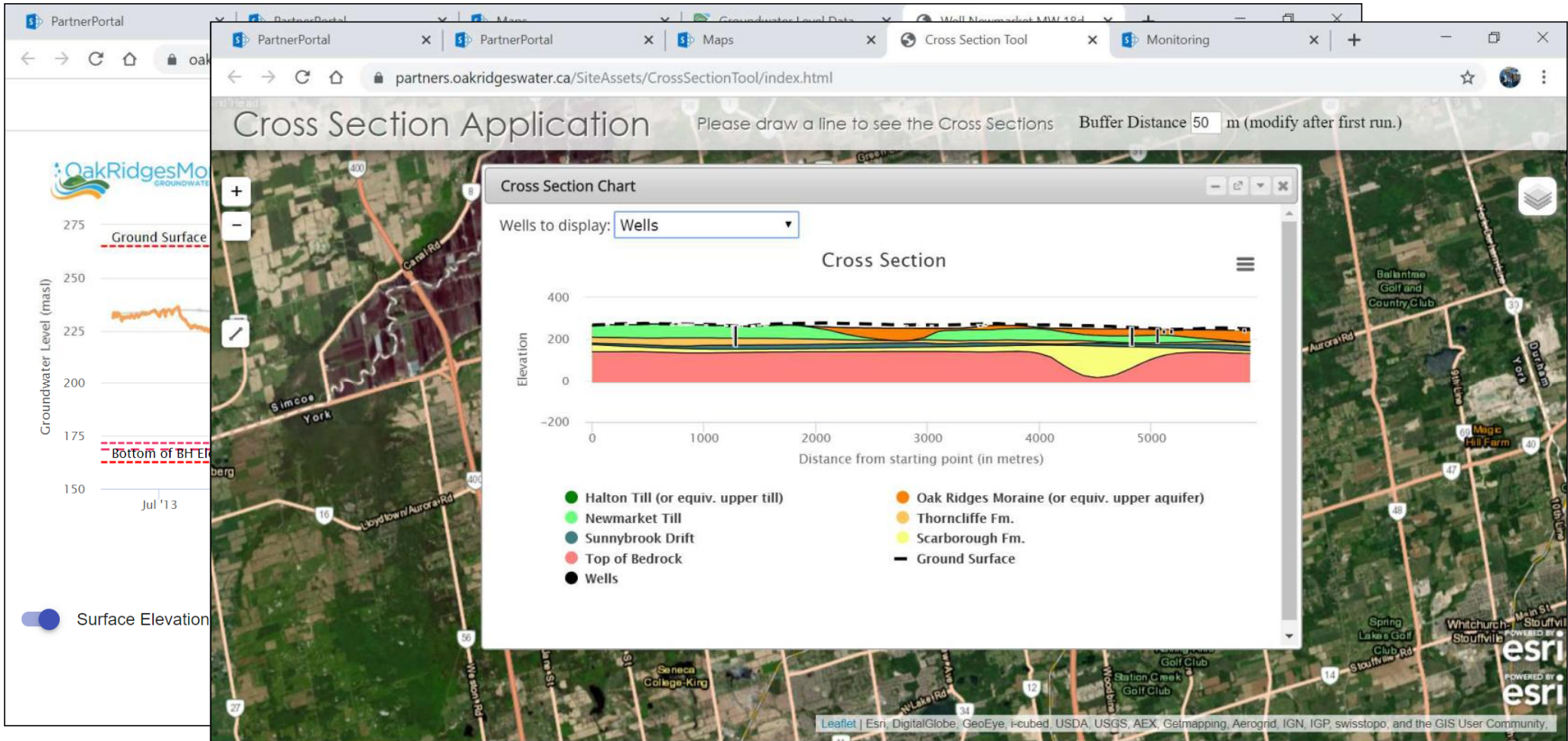


Elev. (masl)	Description
230	Sand Peat Silt Clay
225	Loose Tansoil Soft Silt
220	

Options

Specialty TOC
 Layer Catalog
 Wellco
 Customize yo
 This map provi
 database (e.g. w
 may also have
 This map presen
 For exampl
 Bedrock Wells, C
 Some data asse
 This map shows
 you to quickly zo
 rec
 Home
 UTM N/A

Other Notable Features



Benefits

IMPROVED WORKFLOW EFFICIENCY

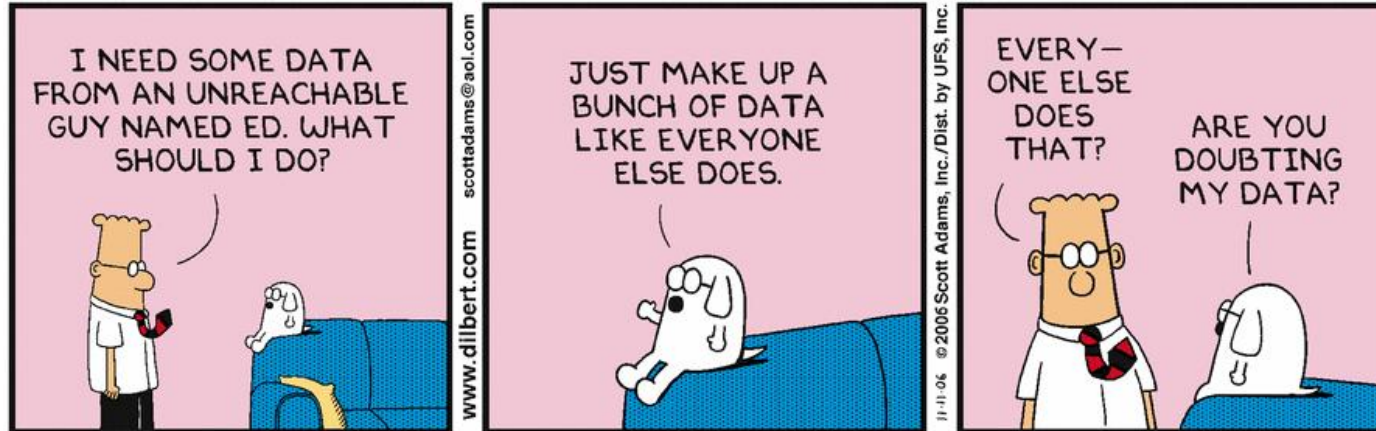
RESPONSIVE

**CONTAINS INFORMATION FOR THE NEXT
STEP...**

(In advance of you knowing the next step.)

The “Future”

- Encourage others to integrate this tool as part of their project workflow;
- Continue accessing the site to keep up with its new functionalities;
- ...



THANK YOU

