Web Solutions

Water Well Record Management

View and Edit

- Examine well logs
- Graphical view of formations
- Update with validity checks
- Adjust well location
- Add new log records
- Interactively select wells
- Perform queries

Featuring

- Ontario Ministry of the Environment database formats (multi-table)
- Geological Survey of Canada sediment protocols
- Ontario Basic Mapping (OBM)
- Tax Assessment parcels reference layers
- Customizable templates
- Browser-based (MS IE, Google Chrome, Mozilla FireFox, Apple Safari)
- Developed for MapGuide Open Source and Autodesk Infrastructure Map Server (formerly called MapGuide Enterprise) mapping platforms.

Water Well Report
County/Region: Grey
Bore Holes: 42

Well Count	Well No	Mun	Con	Lot	Well Owner	Bore Hole ID	Drill Date	Well Yield (LPM)	Ground Level	Static Level Draw Down	Static Level Recovery	Water Found (Deepest)	Base of Casing	Base of Well	Top of Bedrock
												Elevation (m)			
1	7048022	EGREMONT TOWNSHIP	01	002		23048022	06/06/2007:1	31.8	359.3	348.4	344.1	333.4	333.4	333.4	
2	2507133	EGREMONT TOWNSHIP	01	002		10132302	18/06/1979:1	136.4	339.1	335.7	305.6	311.7	305.6	305.6	332.1
3	2500978	EGREMONT TOWNSHIP	01	003		10126330	06/05/1960:1	27.3	342.8	338.3	333.7	301.4	300.8	300.8	338.6
4	2507306	EGREMONT TOWNSHIP	01	003		10132474	01/10/1980:1	36.4	347.9	344.9	339.4	327.5	327.5	327.5	
5	2503432	EGREMONT TOWNSHIP	01	003		10128672	24/03/1971:1	68.2	349.7	341.1	336.3	320.7	320.7	320.7	333.8
6	2500974	EGREMONT TOWNSHIP	01	003		10126326	05/08/1948:1	22.7	337.4	336.2	324.0	307.2	307.2	307.2	332.2
7	2500981	EGREMONT TOWNSHIP	01	003		10126333	01/06/1967:1	68.2	340.6	339.1	339.1	319.3	316.5	316.5	335.7
8	2507305	EGREMONT TOWNSHIP	01	003		10132473	30/09/1980:1	68.2	342.7	338.1	330.5	316.8	316.8	316.8	
9	2500979	EGREMONT TOWNSHIP	01	003		10126331	19/09/1964:1	27.3	342.6	338.9	336.8	303.6	303.6	303.6	337.4
10	2508447	EGREMONT TOWNSHIP	01	003		10133608	22/10/1985:1	81.8	338.0	331.3	329.8	312.7	312.7	312.7	329.4
11	2500977	EGREMONT TOWNSHIP	01	003		10126329	10/05/1955:1		339.5			304.7	304.4	304.4	334.9
12	2500976	EGREMONT TOWNSHIP	01	003		10126328	30/04/1955:1		336.1			302.6	302.6	302.6	331.9

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HUNTER GIS

Water Well Record Management Solutions

The Hunter GIS Web-based Ontario Water Well Record Management solution permits web enabling of a wide variety of base map layers including orthophoto, elevation mass points, topographic contours, parcel mapping and many other resource and land use planning layers with linked databases.

There are three levels of functionality for the Hunter GIS Water Well Record Management solution. Functional levels include:

1) Query and Viewing

- Navigate (zoom goto) parcel address where database support is available.
- Navigate to geographic township, lot and concession where database support is available.
- Navigate to specific well record number in the water well database.
- Perform a buffer query around a point, line or polygon and display a database extract for each well selection.
- Select an individual well and display the digital record with on the fly graphic display of the well (vertical stratigraphy)
- Perform ad hoc queries from the water well database.

2) Online Live Update (Trusted User or Redline)

- Digitize new well locations on the mapping layers and add attributes to the database.
- Relocate existing wells to a new location and look up new elevations and update the digital database.
- Update existing digital database to correspond to drillers records or to hydrogeological reports.
- Write back to original map layers and linked databases or alternatively store on redline layers and temporary database for future integration by administrators.

3) Analysis (optional)

- Generate a list of the selected wells in comma delimited format.
- List may be output to the screen (for viewing) or to a download file.
- List contains:

  Well ID, Bore Hole ID, Easting, Northing,

  a Z-value property:

  - Elevation
  - Well base (depth or elevation)
  - Bedrock (depth or elevation)
  - Static Level (depth or elevation)
  - Water Found (depth or elevation)
  - Casing (depth or elevation)
  - Screen (depth or elevation)
  - MOEE Well Log
  - GSC Well Log

- Only wells that have non-null values for Easting, Northing and the selected Z-value (or formations for the Log options) are output.
- Log data may be used with the Autodesk Borehole Importer.
- Non-log data can be imported as points into Autodesk Civil 3D or other 3D surface modelling software for surface generation.

The Hunter GIS Water Well Record Management solutions provides provincial scale water well record management with update from Regional Offices, by Drillers and other 'trusted users'. Data may be centralized or distributed at Regional Centres. Reports may be customized.

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