GIS at Barrie and the new Open GIS Portal

What is GIS?

Geographic information systems (GIS) is a means to visualize, question, analyze, and interpret data to understand relationships, patterns, and trends.

GIS bring maps and data together allowing one to visualize the complexity of information in a simplistic and meaningful form that is easy to understand and leads to more informed decision making.
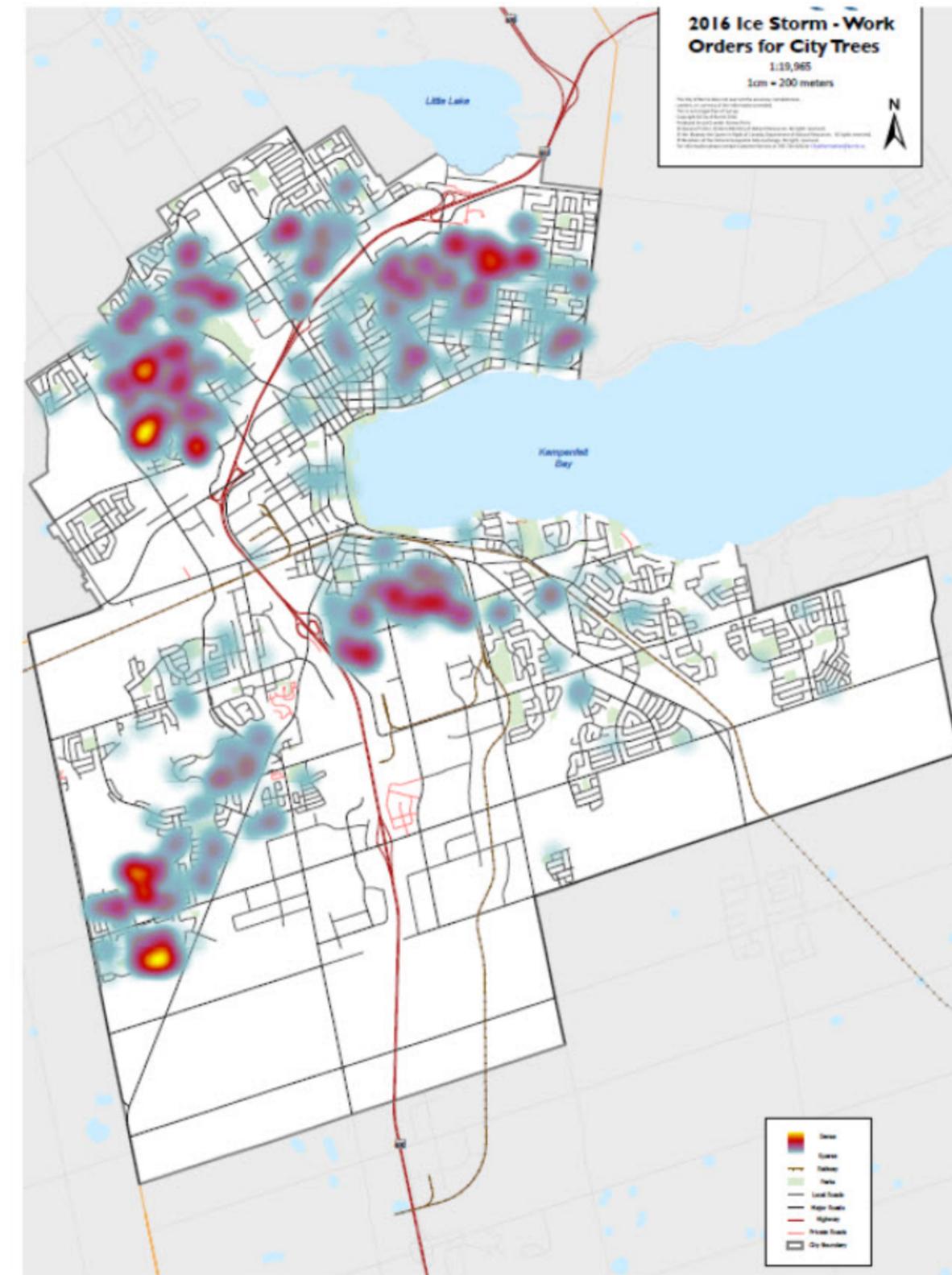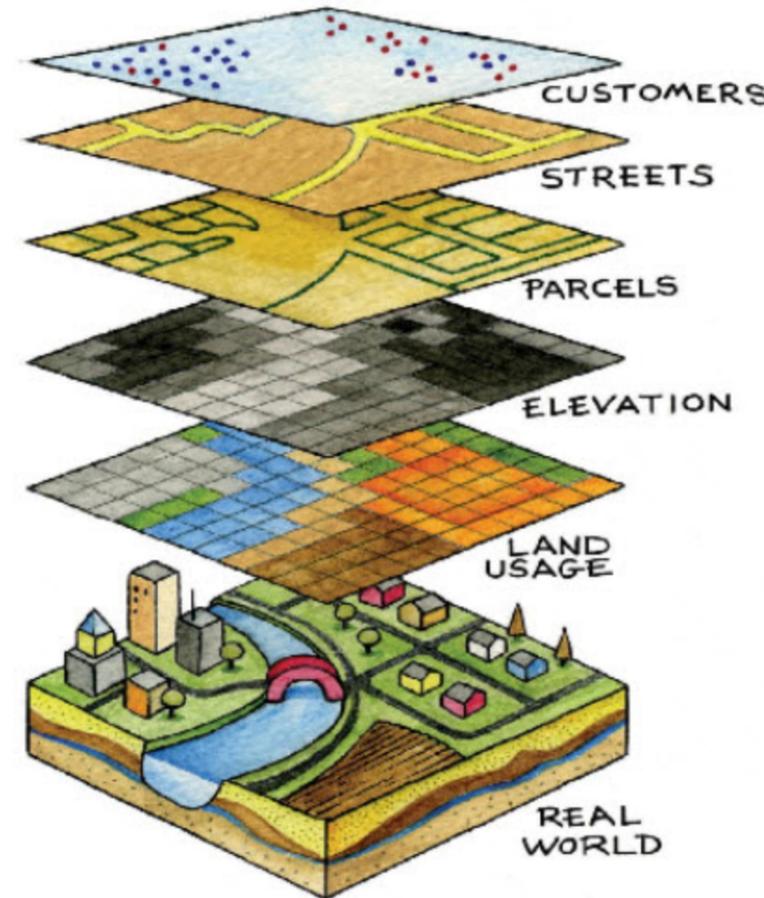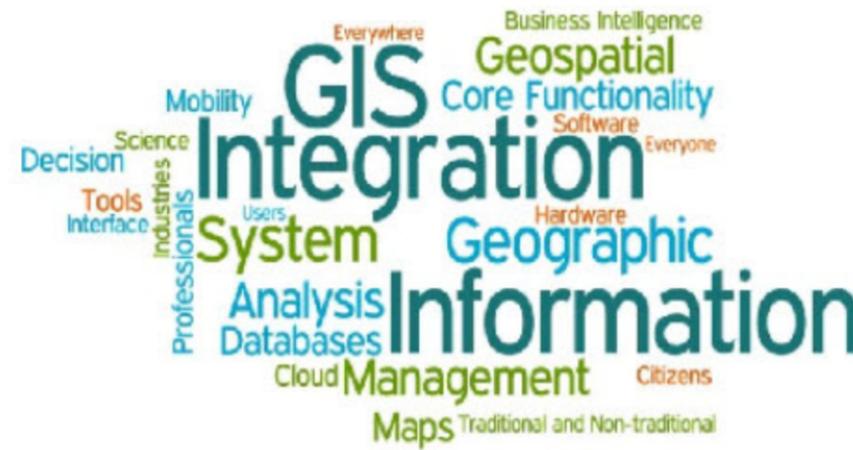
GIS is more then just maps, it creates:
- Cost Savings from Greater Efficiencies
- Informed Decision Making
- Improved Communication
- Better Record Keeping
- Managing Geographically

How GIS supports the City?

GIS enables the City to be more efficient, transparent and accountable. GIS is a tool that allows for effective collaboration, analysis and data sharing improving decision making, service delivery and business processes.

"We build GIS into everything we do to effectively manage our City"

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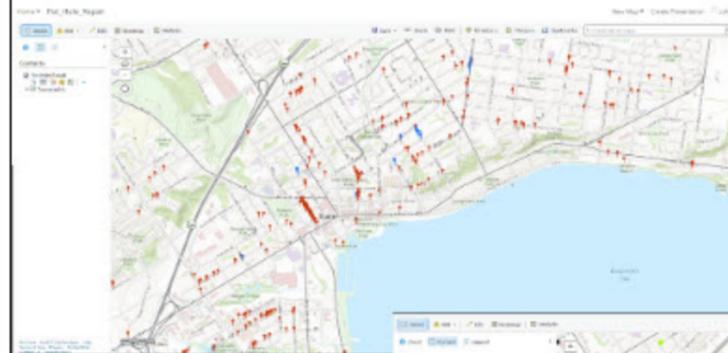
- **Staff Field Applications** - Pot Hole, Sod Repair, Engineering Inspections
- **3D Modelling** - Line of sight, shadow impacts, visualization
- **Corporate Applications** - Water and Roads Operations, Building and Planning Applications, Licenses, Permits, Inspections
- **Growth Management** - Core information gathering, data validation and presentation
- **Emergency Services** - Fire dispatch and prevention
- **Asset Management** - Asset repository for corporate infrastructure
- **Data Capture** - Field verified accurate information
- **Spatial Analysis** - Understanding data trends and patterns

How GIS supports the Community

By making information available to the community GIS aids in addressing community questions, providing transparency and empowering citizen engagement.
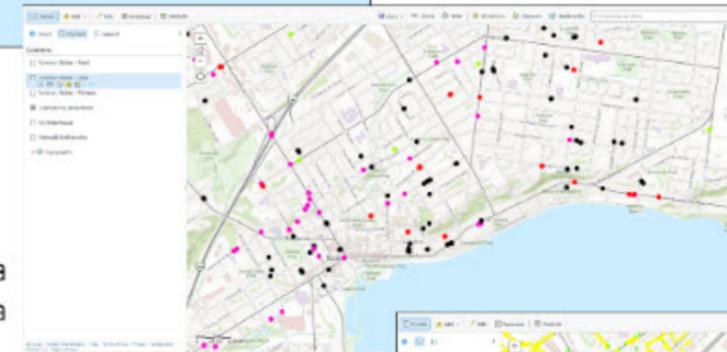
Discover Barrie GIS Portal
- Find bus routes, zoning, boundaries, properties for sale, property information, road closures and much more.

Pothole Repairs

The **Pothole Repairs** app enables field workers to record repair details to both reported and discovered potholes. In the field City staff can easily see, in real time, where potholes have been identified that require fixing.

With the **Engineering Inspections** app we manage our annual maintenance contract with the Engineering team. For the first time, repair locations are being spatially recorded.
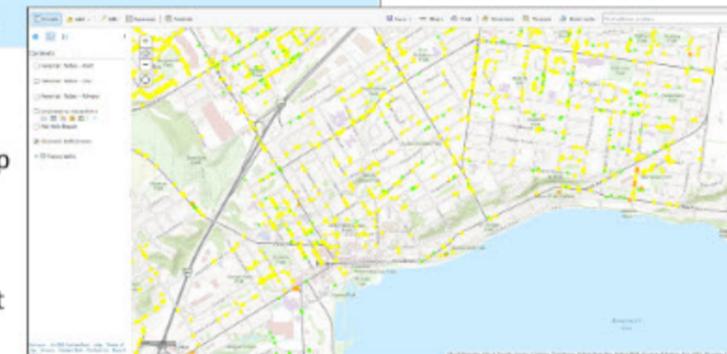
Using **ArcGIS Online** and **Collector for ArcGIS** the GIS Branch was able to develop a series of mobile capable data collection applications to allow Operations Staff to greatly increase their efficiently and operations monitoring of several key Surface maintenance tasks.

Engineering Inspections

The **Sidewalk Deficiencies** app allows for easy coordination throughout the repair/replacement cycle of damaged Sidewalk assets that were identified during our annual sidewalk patrol

Sidewalk Deficiencies

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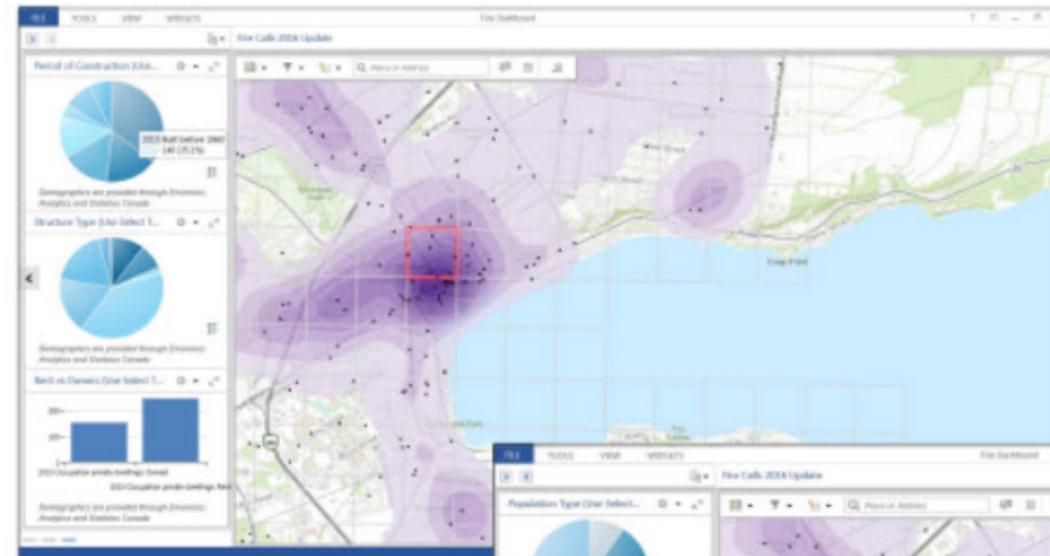"We build GIS into everything we do to effectively manage our City"

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Household Overview

839

Operations Dashboard

Population Overview

ArcGIS Online

Incident Overview

Barrie

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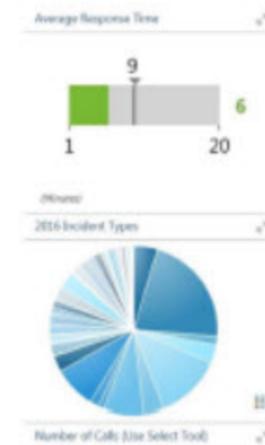
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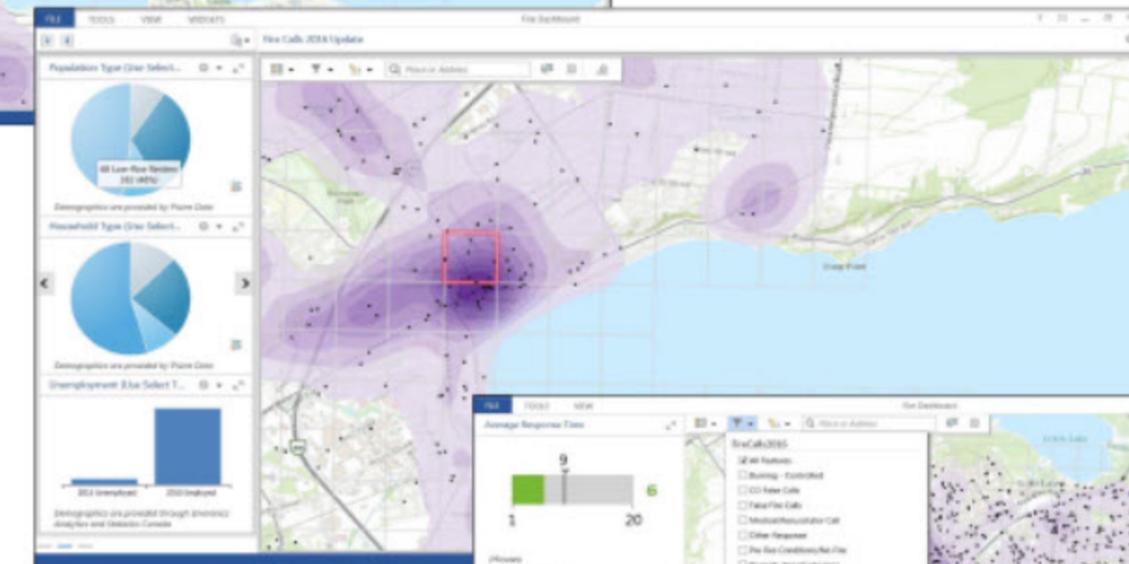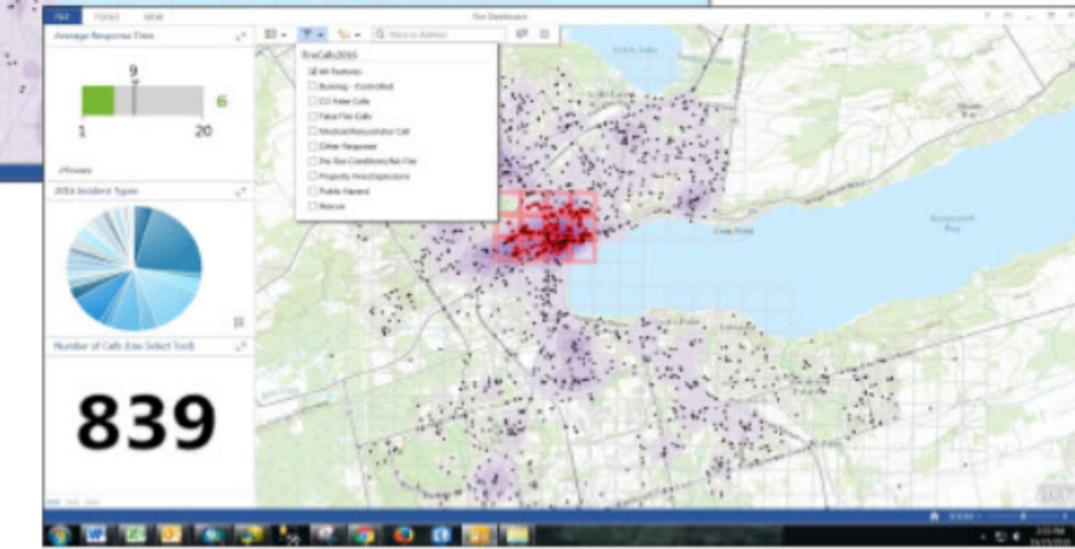
GIS Web Mapping Applications
- Parking Pass locations
- Heritage walking tours
- Garbage Collection
- Capital Projects
- Neighbourhood Services

Capital Projects

Citizens have the ability to interact with the map to better understand when and how the City is developing Capital Projects.

My Neighbourhood Services

This GIS web application is designed to help citizens quickly locate and find directions to government facilities, city service locations and other points of interest, as well as obtain information about curbside services in your community.

Barrie

Events Calendar   Jobs   Maps   Contact Us   Rate Our Site

Search All   I'm looking for...

Living   City Hall   Arts, Culture & Events   Doing Business   Online Services

Home > Online Services > Geographic Information Systems (GIS)

Shares   Print   A A A   BrowseAloud

Living
City Hall
Doing Business
Arts, Culture & Events
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Online Services
Geographic Information Systems (GIS)

Geographic Information Systems

GIS provides residents, visitors, business owners and investors a means to easily find, access and view information through the use of maps and mapping technology. Here you will find available maps for viewing, data for purchase and Discover Barrie, an online interactive mapping tool that allows users to search for addresses or parks, find the nearest bus stop or park, identify their garbage collection area or see the city through aerial imagery.

Who to Contact

General Information
(705) 726-4242
servicebarrie@barrie.ca

Frequently Asked Questions

What is GIS?

How does the City use GIS?

Discover Barrie Quick Links

General   Address Search   Ward Boundaries   Bus Routes

BARRIE

GIS at Barrie and the new Open GIS Portal

Capital Projects

Citizens have the ability to interact with the map to better understand where the capital projects are located and what is occurring.

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This GIS web application is available on mobile devices, tablets and desktop computers.

Open GIS Portal

Open GIS enables the customer to freely download spatial data to leverage for their own needs. Open GIS is data that can be freely used, re-used and redistributed by anyone - subject only, at most, to the requirement to attribute and sharealike. Information includes:

- Property Lot Lines
- Roads
- Addresses
- Wards
- Zoning
- Parks

Benefits of this site include:

- Increased efficiencies by automating manual tasks
- Enhance services to citizens and businesses

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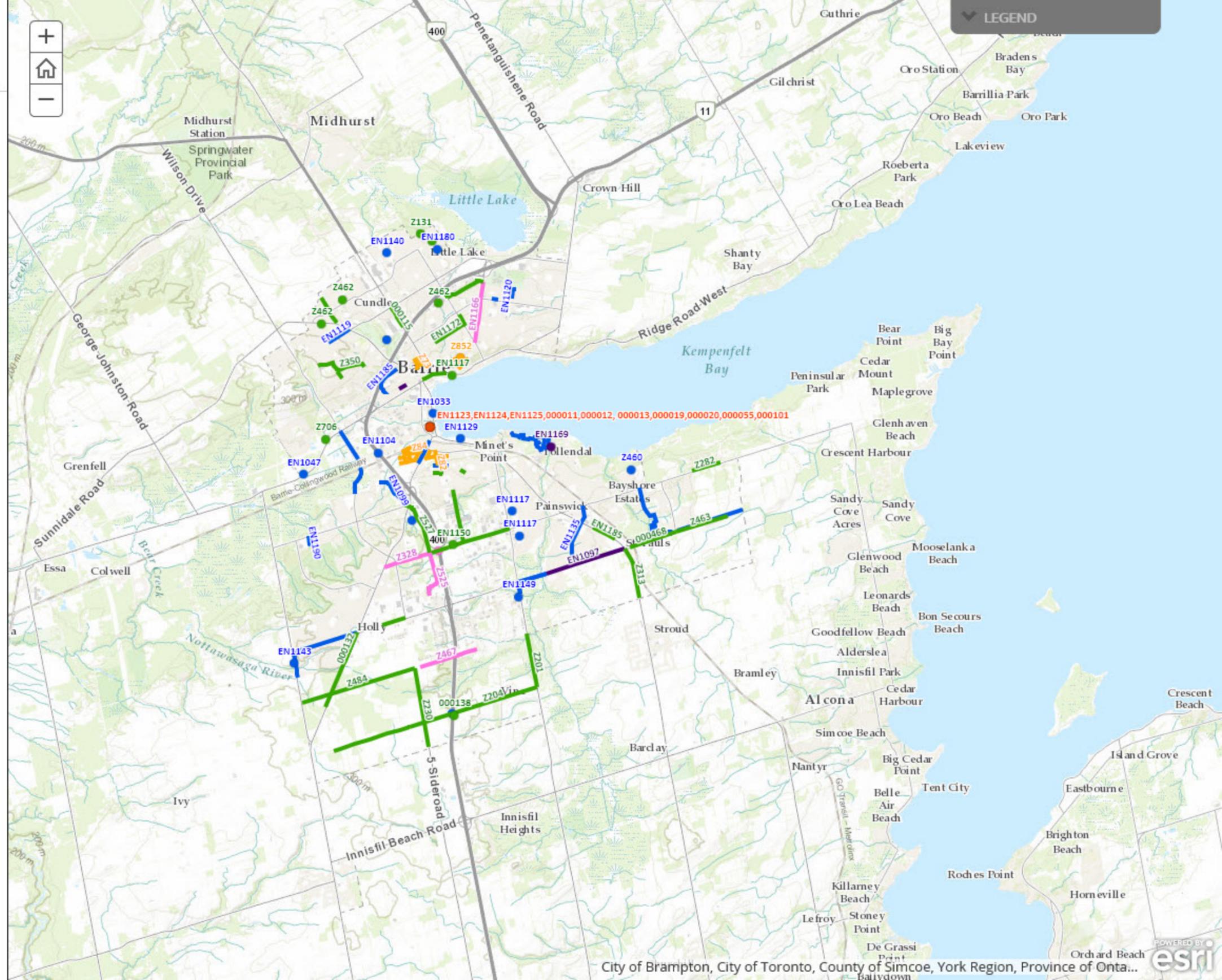
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Barrie My Neighbourhood Services Web App   City of Barrie GIS   ArcGIS Online App Gallery

My Neighbourhood Services...

Search an address or locate on map

80 LIVINGSTONE ST E

Show results within 1 Kilometers

0 — 10

Recreation Facilities	(2) >
Schools	(2) >
Shopping Malls	(1) >
Transit Stops	(22) >
Parks	(3) >
Ward Boundaries	(1) >
Garbage Pickup	(1) >
Organics Pickup	(1) >
Recycling Pickup	(1) >
Yard Waste Pickup	(1) >

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- Enhance services to citizens and businesses
- Increased opportunities for Community Engagement
- Improves departmental access to data, breaks down departmental silos and enhances decision making support

Official launch is this Wednesday, November 15

GIS Events

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The GIS Branch celebrates GIS Day by highlighting all the work and innovations produced by the branch in the past year.

Local GIS Conference
Partnering with the County of Simcoe and Georgian College this event brings local GIS professionals together to discuss current initiatives

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Barrie

Home   Barrie GIS   Contact Us

Brent ▾

City of Barrie

Welcome to the City's Open GIS Data Portal

This Open GIS Data Portal provides residents, visitors, business owners and investors a means to easily find, access and view information through the use of maps and mapping technology. Simply search for a specific dataset below or explore the data categories. To learn more about how to use the Open GIS Data Portal view this tutorial.

By downloading data from this site you are agreeing to the terms of the Open Data License.

Find Data

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GO Open Data Conference
The City was sought out to be the host of the 2018 GO Open Data conference this upcoming May by the organizing committee.
It is a community-driven annual conference by and for the Ontario Open Data community

Community Awareness

GIS Ambassador
City has signed up to be a GIS Ambassador which supports local K-12 teachers and schools in the education and use of GIS technology. Initial introduction with Hillcrest Public School.

GIS Recognition
Our efforts were rewarded by the Urban and Regional Information Systems Association (URISA) with an Innovation in GIS award for the development of an application for staff to simplify the capture and reporting on underground assets during the locate process

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Government of Canada Open Data Toolkit
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Thank You

Thank you for your time.
I will gladly take any questions you may have.

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