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How To Get The

GOTTA HAVE IT Geo Data

For Any Industry

Gotta Have It!

Construction

- Orthophoto — Measure ground features to estimate material costs or identify worksite hazards in advance.
- Elevations — Check the grading around your jobsite to predict surface water runoff or ponding.
- Parcel — Know the limits of worksite and identify places for temporary easments.
- Base Maps — Gain an understanding of your job site in context with the community for all of Ontario.

Natural Resources

- Orthophoto — Plan and monitor projects in remote areas, monitor environmental changes over time.
- Elevations — Model and analyze remote sites to forecast economic potential.
- Parcel — See where natural features and private property intersect.
- Floodplain — Manage natural hydraulic systems, predict recharge and discharge, locate vulnerable lands.

Land Development

- Orthophoto — View, measure, and plan your development over a high quality photo base layer.
- Elevations — Predict the flow of surface water, analyze sightlines, and make volumetric calculations.
- Parcel — Add property lines to your CAD project to quickly see the limits of your buildable land.
- Floodplain — Locate buildable land in your parcel to get the maximum value from your development.

Transportation

- Orthophoto — Use high resolution imagery to see access routes and property details at many destinations.
- Parcel — Analyze regional demographics and forecast future demands for services.
- Satellite — Custom web apps track mobile workers and optimize routes with real time traffic.
- Base Maps — Detailed province wide coverage including logging roads and trails.

Real Estate

- Orthophoto — Enhance listings, manage a portfolio, detect year over year changes to properties.
- Parcel — View your portfolio in context with neighbourhood amenities and natural features.
- Floodplain — Mitigate a property's flood risk and comply with environmental regulations when building.
- Base Maps — An excellent reference map for navigation in rural and backwoods regions.

Legal

- Orthophoto — Persuasive visual materials support well documented courtroom presentations.
- Parcel — Research PINs in geographic context before heading to the registry office.
- Floodplain — Authoritative regulatory flood line mapping pinpoints risks to property.
- Groundwater — Interpret access and rights to shared groundwater resources in the Oak Ridges Moraine.

Energy

- Orthophoto — See what's on the ground to manage and maintain vast infrastructure networks.
- Parcel — Locate potential sites for new infrastructure and check setback compliance.
- Elevations — Plan new infrastructure networks and maintain the ones you've got already.
- Groundwater — Plan for groundwater protection in the Oak Ridges Moraine environmentally sensitive area.

Agriculture

- Orthophoto — Estimate yields with accurate measurements of tillable land.
- Satellite — Monitor crop health throughout the growing season with multispectral imagery.
- Floodplain — Understand where environmentally sensitive landforms cross your property.
- Elevations — Assess and mitigate drainage and erosions issues with detailed topographic mapping.

Hospitality

- Orthophoto — Share your property's best features with high resolution aerial imagery.
- Elevations — Use topographic mapping to plan improvements and track maintence on large properties.
- Satellite — Improve online customer engagement with a custom web mapping application.
- Base Maps — Highlight your proximity to recreational opportunities for your guests.

Insurance

- Orthophoto — Gain situational awareness, assess risk factors, verify changes to properties.
- Base Maps — Complete and consistent map coverage of remote locations across Ontario.
- Elevations — Locate high risk areas, model scenarios and forecast outcomes.
- Satellite — Respond to crisis events swiftly with detailed information about the site.

Planning

- Orthophoto — Gain contextual awareness of your land's terrain, cover, and water resources.
- Elevations — Add context to your GIS data collection and evaluate land information quickly.
- Floodplain — Assess development applications for compliance with environmental priorities.
- Base Maps — Reference mapping for natural and cultural features across Ontario.

Public Safety

- Orthophoto — Gain situational awareness, assess risk factors, verify locations of access routes and structures.
- Base Maps — Complete and consistent map coverage of remote locations across Ontario.
- Parcel — Keep up to date with your growing jurisdiction' s developments and demographics.
- Satellite — Respond to large crisis events swiftly with current information about the site.

Education

- Orthophoto — Engage students with technology and real world data as teaching materials.
- Parcel — Forecast community needs, analyze school capacities and plan catchment areas.
- Satellite — Up to date imagery for high level academic ptojects including multispectral options.
- Groundwater — Subsurface geolocial mapping for environmental study in the Oak Ridges Moraine.

Mining

- Satellite — Cost effective imagery and DEM coverage for large, remote sites.
- Elevations — Topographic mapping for volumetric calculations to estimate economic potential.
- Groundwater — Geological and hydrogeological subsurface strata models for the Golden Horseshoe.
- Parcel — See property boundary limits for any site in Ontario with PIN or ARN.

Banking & Finance

- Orthophoto — Visualize and share complex information with stakeholders over a high quality photo base layer.
- Base Maps — Use situational awareness to pull new insights from the data you already have.
- Parcel — Optimize target marketing and forecast location based demand for services.
- Satellite — Display service locations and track how customers interact with your online presence.

Public Health

- Orthophoto — Extract custom mapping of built and natural features from high resolution aerial imagery.
- Satellite — Correlate causative environmental factors with clusters of cases.
- Parcel — Forecast demographics and community health care needs in infrastructure planning.
- Groundwater — Compare differences in environmental conditions in epidemiological studies.

How To Get It!

MapWarehouse

It's an online store. Locate your area of interest on a map, then search for the data available covering that area. Add items to your cart, enter a credit card, then download the files. Save the data locally to use in your CAD or GIS based project.

Orthophoto · Parcel · Elevations · Base Maps · Floodplain · Groundwater

VuMAP

It's an online mapping application. Your annual subscription allows unlimited access through a web browser to view the same data as found on MapWarehouse and more, plus easy built-in tools to research, measure, analyze, plan, and communicate spatial information.

Orthophoto · Parcel · Elevations

FBSWMS

It's a web mapping service. Your bandwidth based subscription serves an aerial image base layer and contour elevations directly into your WMS compliant CAD or GIS software. Layer your own data over top and compare year over year changes to land use seen in imagery.

Orthophoto · Elevations

Zoom2It

It's a property image generator. First Base Solutions, in partnership with Teranet, brings you instant access to high resolution aerial imagery with embedded parcel boundaries. Generate three custom aerial images focused on your property, neighbourhood, and community.

Orthophoto · Parcel

Custom Solutions

It's custom web mapping applications, image acquisition, custom map compilation and more. First Base Solutions can take care of complex technical issues for you with a rapid time to market, leaving you free to focus on your business, close sales, and service customers.

Orthophoto · Parcel · Elevations · Base Maps · Floodplain · Groundwater · Satellite

Details!

Orthophoto	Aerial Imagery With Geometric Corrections Tied Into Ground Control Cloud Free, Leaf Free, Snow Free	*Resolution*	8-30cm/Pixel	*Coverage*	Southern Ontario Major Canadian Cities	*Data Source*	First Base Solutions	*Vinatges*	2000 - Current	*Applications*	Measuring Areas, Directions, And Distances Of Ground Features Contextual Base Layer To Support Vector Drawings
Parcel	Property Boundaries PINs, ARNs References Ownership And Tax Assessment Data	*Resolution*	Variable	*Coverage*	Ontario	*Data Source*	Teranet	*Update Cycle*	Updated Quarterly	*Applications*	Legal Research Real Estate And Property Management
Elevations	Digital Elevation Models, Contour Lines Bare Earth Model With Terrain Interrupting Features Shows Relief On Flat Maps	*Scale*	1:10,000 - 40m Grid Of Spot Heights With Break Lines 1m Interval Contours	*Coverage*	Golden Horseshoe	*Data Source*	First Base Solutions	*Vinatges*	2002	*Applications*	Environmental Study Applications Practical Engineering Applications
Base Maps	General Purpose Topographic Maps Natural And Cultural Features Terrain, Water, Ground Cover Types	*Scale*	Southern Ontario: 1:10,000 Northern Ontario: 1:20,000	*Coverage*	Most Of Ontario	*Data Source*	OMNR	*Vinatges*	1983 Series	*Applications*	Recreation Preliminary Site Assessment And Environmental Audits
Floodplain	Regulatory Floodplain Mapping 100-Year Storm Events Predicted High Water Levels	*Scale*	1:2,000	*Coverage*	Toronto & Area Waterways	*Data Source*	TRCA	*Update Cycle*	Updated As Needed	*Applications*	Regulatory Compliance Risk Assessment
Groundwater	Core Sampled 3D Strata Models Geological Subsurface Layers Hydro-geological Subsurface Layers	*Resolution*	100m - 250m Grid Cells	*Coverage*	Oak Ridges Moraine & Related Drainage Area	*Data Source*	CAMC	*Vinatges*	2004 - 2006	*Applications*	Identify Potential Well Locations Assess Groundwater Recharge and Discharge
Satellite	Worldwide Satellite Imagery Multi-Spectral Options Repeat Coverage Offers Time Series Capabilities	*Resolution*	30-60cm/Pixel	*Coverage*	Global	*Data Source*	DigitalGlobe	*Vinatges*	2000 - Current	*Applications*	Environmental Study Applications Land Use Classification

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