Access and Download our free geospatial data

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Customer service / Service à la clientèle





There are several ways to access and download our geospatial data

- Open Government portal (Open maps)
- Geospatial product index HTML
- Geospatial Data Extraction tool
- Download Directory and Documentation (FTP site)
- Toporama Interactive Mapping tool (make your own maps)
- Most popular collections and Web mapping services (WMS)





GeoInfo Topographic Information

Topographic Information

Topographic Information: where you can find maps, data, applications and tools.

Geospatial Applications and Tools

Open Government Search



Search Natural Resources Canada products by keyword.

Toporama Interactive Map



Explore topographic data using tools for searching place names, measuring distances and more.

Geospatial product Index - HTML



Find and download our most popular geospatial data.

Geospatial Data Extraction



Download elevation and topographic data based on predefined or custom-defined geographic areas.





Open Government Portal

Open Government

Open Government is about making government more accessible to everyone. Participate in conversations, find data and digital records, and learn about open government.

Right now you can also <u>help shape priorities and commitments for Open</u> Government for 2018-2020.

Search for open data and information:

What are you looking for? Q Find

Open data

Search Government of Canada data, learn how to work with datasets, see what people have done with our data.

Open dialogue

Interact with open government experts and enthusiasts and share your ideas for new innovative approaches to open government.

Open information

Search Government of Canada digital records, completed access to information request summaries, and contracts over \$10,000.

About Open Government

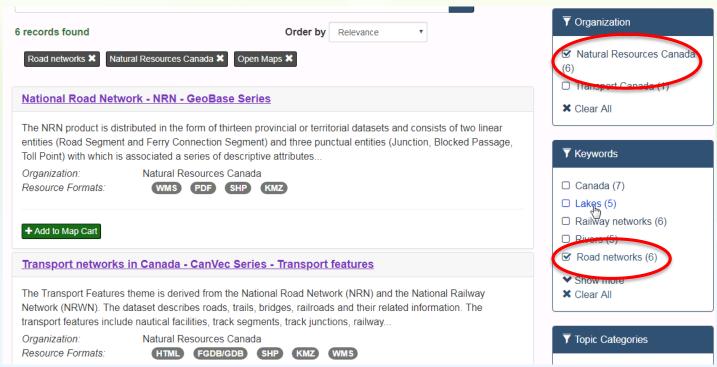
Explore Canada's open government commitments, discover open government programs across Canada, and learn more about the Open Government Licence.







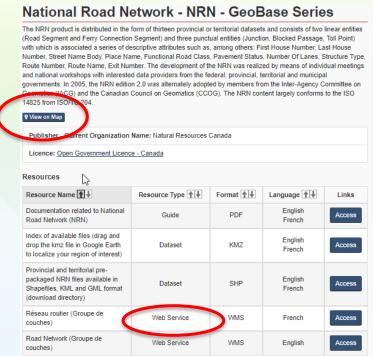
Search result (Open Government)







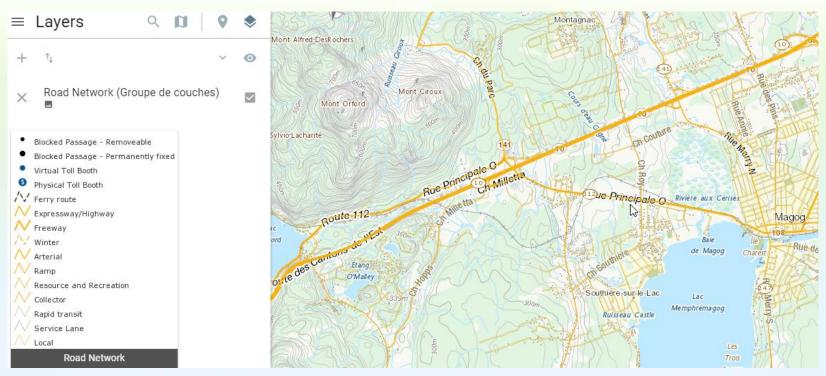
National Road Network (Open Government)







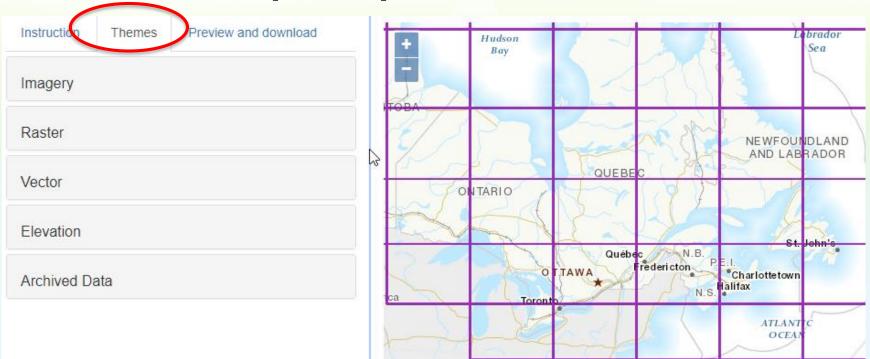
Road Network - View on map (Open Government)







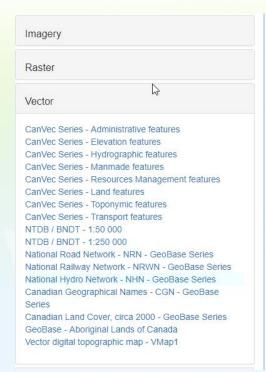
Geospatial product Index – HTML







Select a collection (HTML - Index)

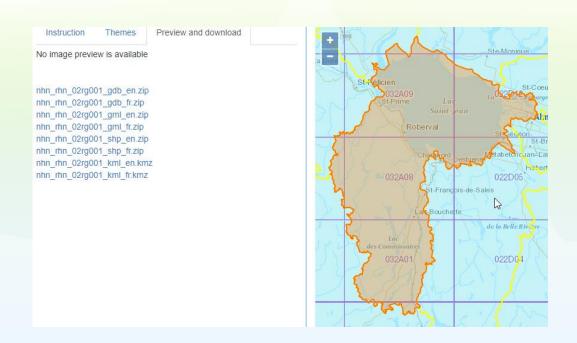








Select the format and download - (HTML - Index)







Geospatial Data Extraction tool

Geospatial Data Extraction



Download elevation and topographic data based on predefined or custom-defined geographic areas.





Find a location (Extraction tool)





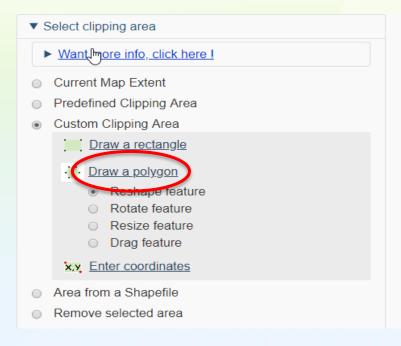
© Her Majesty the Queen in Right of Canada, as represented by the Minister of Natural Resources, 2017

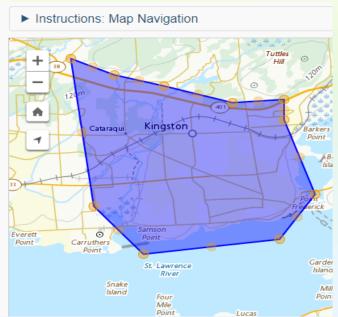


Canada



Select a clipping area option (Extraction tool)



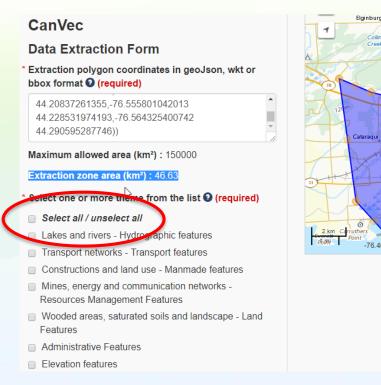






Select the collection and the layers (Extraction tool)

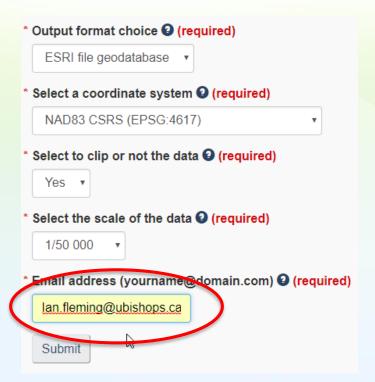
Kingston

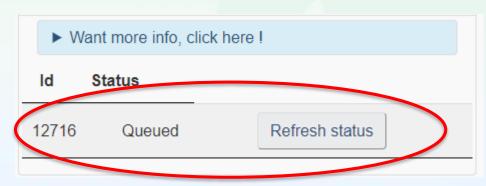






Others parameters (Extraction Tool)

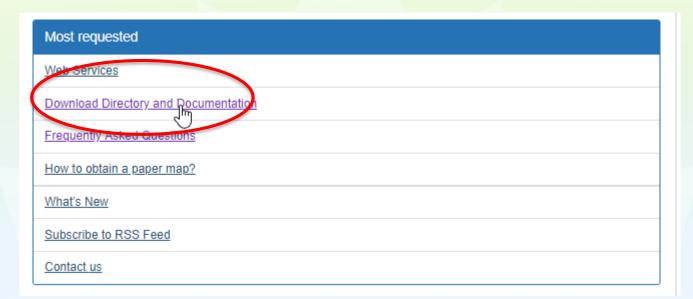








Download Directory and Documentation (FTP site)







Toporama Interactive Mapping tool Make your own map

Toporama Interactive Map



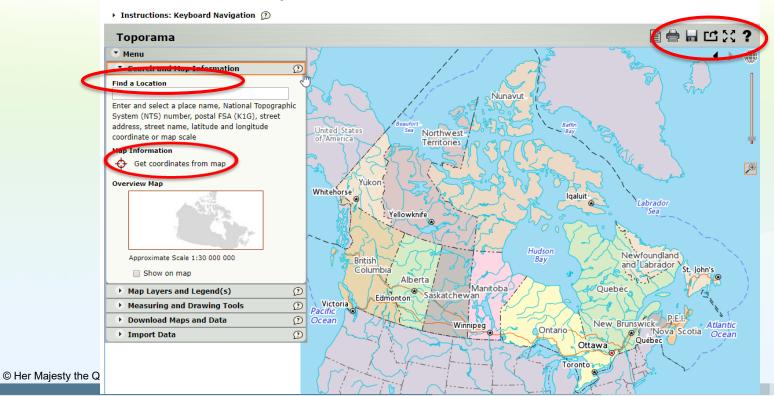
Explore topographic data using tools for searching place names, measuring distances and more.





Find a location (Toporama interactive)

The Atlas of Canada - Toporama







Get Coordinates (Toporama interactive)

Map location information

Geographic Coordinates

Degrees Decimal

Latitude: 45.4180299021958

Longitude: -72.46203770467017

Degrees Minutes Seconds (DMS)

Latitude: 45° 25' 04.000" N

Longitude: 72° 27' 43.000" W

UTM Coordinates

Zone: 18

Easting: 698570

Northing: 5032523

NTS Mapsheet

031H08 - MONT ORFORD

Elevation

240 m

Magnetic declination

Date: 2018-05-24

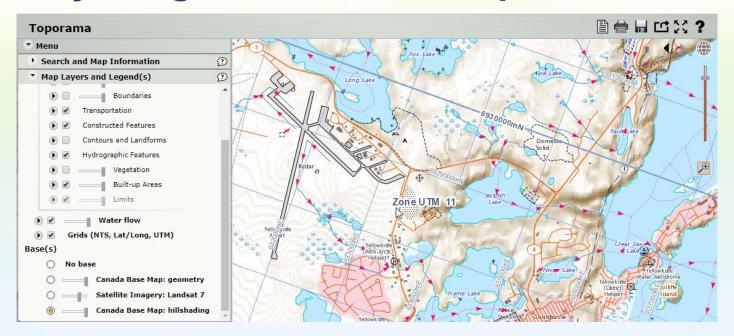
Magnetic declination (DD): -14.908°

Annual change (minutes/year): 4.4





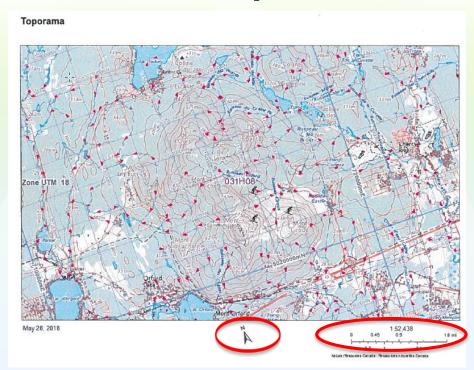
Select layers, grids and base maps (Toporama interactive)







Print or save map (Toporama interactive)







What's New section – Visit it regularly!

Stay in touch by subscribing to our RSS Feed.

- <u>High-Resolution Digital Elevation Model (HRDEM) in the Canadian Arctic New data available!</u> April 11, 2018
- CanVec: Update is Now Available! April 5, 2018
- National Road Network (NRN) Prince Edward Island: Update Available! March 1, 2018
- Reminder: Closing and stopping updates of several Web Map Services (WMS)! December 15, 2017
- National Hydro Network (NHN) 227 new watersheds December 6, 2017
- High-Resolution Digital Elevation Model generated from LiDAR data Corrections October 17, 2017
- National Railway Network (NRWN) British Columbia: Updates Available! October 4, 2017
- High-Resolution Digital Elevation Model generated from LiDAR data New data available! September 28, 2017
- <u>Canadian Digital Elevation Model (CDEM) Quebec: Updates available!</u> August 3, 2017





Most requested products

All our geospatial products are free (see Open Government Licence)

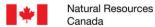




CanVec



Updates occurs approximately every 2 months





Digital Elevation Model

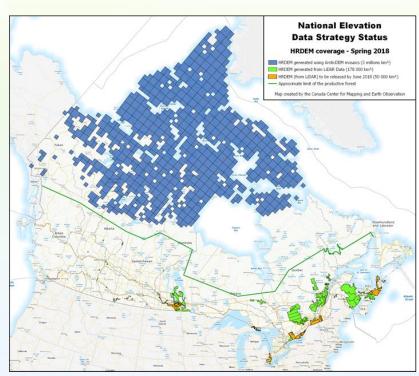
Canadian Digital Elevation Model (CDEM)
Canadian Digital Surface Model (CDEM)

Résolution: 20 metres

Complete coverage of Canada

High Resolution Digital Elevation Model (HRDEM)

Arctic DEM (North of 60°) resolution 5 metres Lidar data in acquisition resolution 1, 2, 5 metres

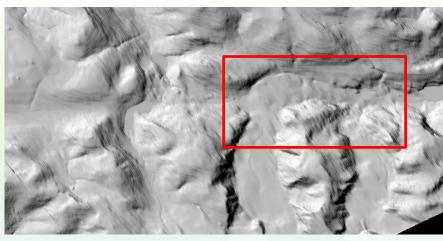


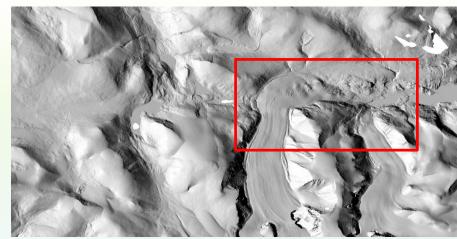




CDEM (20m)

ArcticDEM (5m)

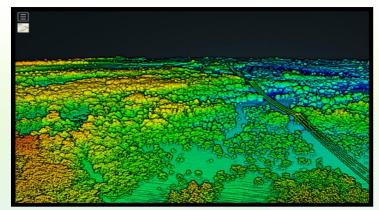


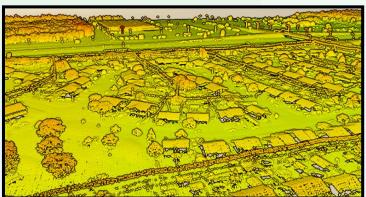


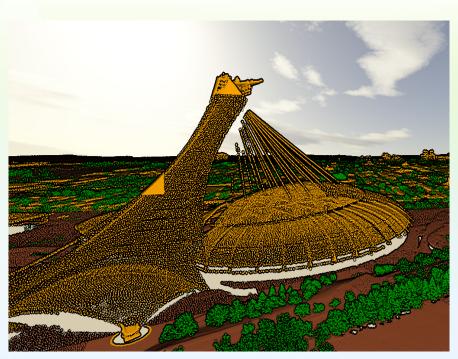




Example of LiDAR data (resolution 1m, 2m, 5m)











Web Mapping Services (WMS) and API

WMS

- <u>canvec en</u> (Topographic data of Canada CanVec Series)
- <u>CBMT</u> (Canada base map transport)
- And much more...

API

- Open Government API
- GeoLocation API
- Elevation API





Questions?

Customer Service

Natural Resources Canada / Government of Canada

geoinfo@canada.ca / Tel.: 1-800-661-2638

www.geogratis.gc.ca

Service à la clientèle

Ressources naturelles Canada / Gouvernement du Canada

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www.geogratis.gc.ca



