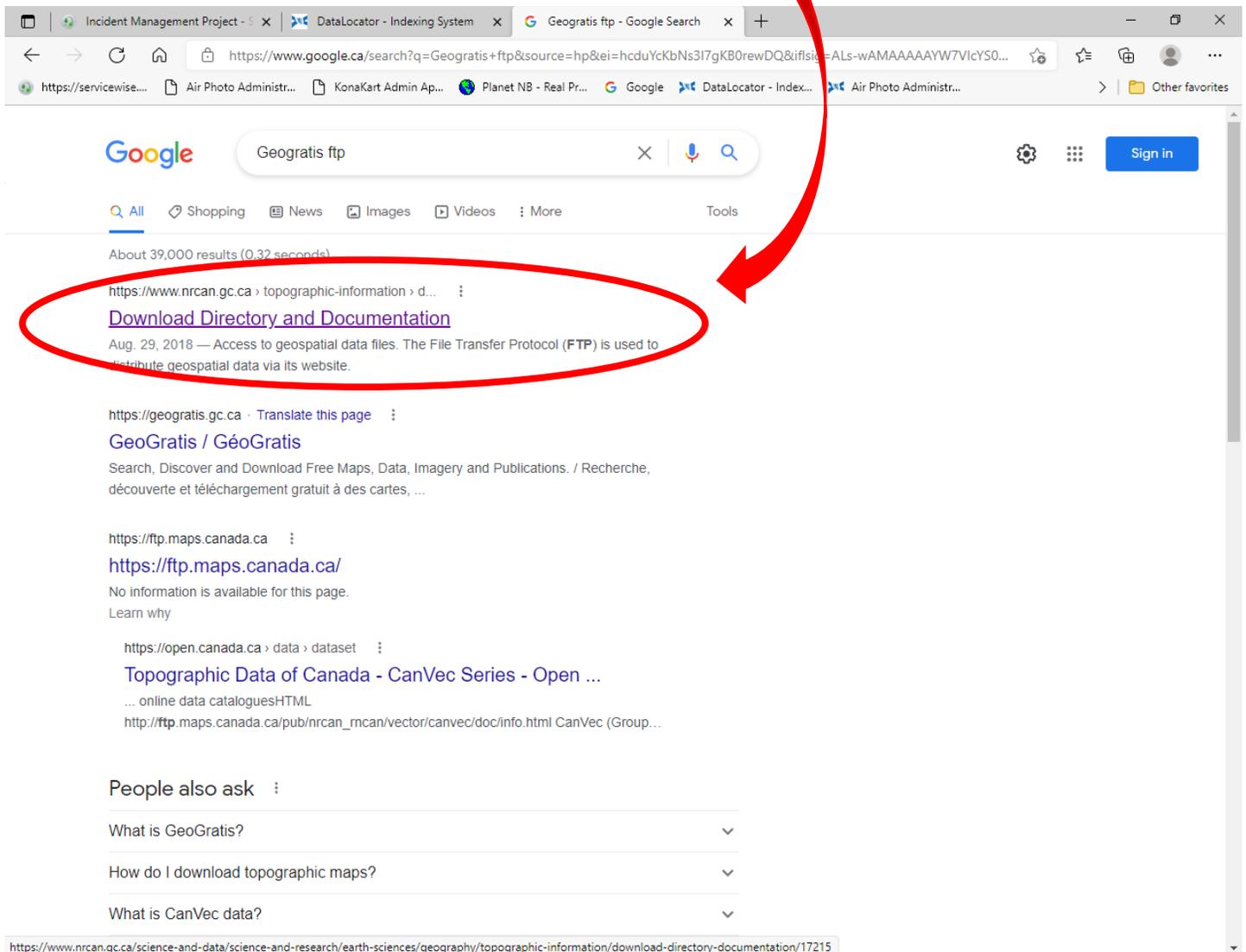


# Instructions for using GeoGratis in the Natural Resources Canada website

Start with **Google**:

Search for 'GeoGratis ftp'

Choose the 'Download Directory and Documentation'.



The screenshot shows a Google search results page for the query "GeoGratis ftp". The search bar at the top contains the text "GeoGratis ftp". Below the search bar, the results are listed. The first result is circled in red and has a red arrow pointing to it. The circled result is:

<https://www.nrcan.gc.ca/topographic-information/download-directory-and-documentation/>  
**Download Directory and Documentation**  
Aug. 29, 2018 — Access to geospatial data files. The File Transfer Protocol (FTP) is used to distribute geospatial data via its website.

Other visible results include:

- <https://geogratis.gc.ca/> · Translate this page  
**GeoGratis / GéoGratis**  
Search, Discover and Download Free Maps, Data, Imagery and Publications. / Recherche, découverte et téléchargement gratuit à des cartes, ...
- <https://ftp.maps.canada.ca/>  
No information is available for this page.  
Learn why
- <https://open.canada.ca/data/dataset>  
**Topographic Data of Canada - CanVec Series - Open ...**  
... online data cataloguesHTML  
[http://ftp.maps.canada.ca/pub/nrcan\\_nrcan/vector/canvec/doc/info.html](http://ftp.maps.canada.ca/pub/nrcan_nrcan/vector/canvec/doc/info.html) CanVec (Group...

At the bottom, there is a "People also ask" section with the following questions:

- What is GeoGratis?
- How do I download topographic maps?
- What is CanVec data?

The URL bar at the bottom of the browser shows the full URL of the circled result: <https://www.nrcan.gc.ca/science-and-data/science-and-research/earth-sciences/geography/topographic-information/download-directory-and-documentation/17215>

A new page will open .....

Incident Management Project - x DataLocator - Indexing System x Download Directory and Docum x +

https://www.nrcan.gc.ca/science-and-data/science-and-research/earth-sciences/geography/topographic-information/downl... Search the website

Canada.ca Government of Canada Gouvernement du Canada

Franglais

MENU

Canada.ca > Natural Resources Canada > Science and Data > Science and Research > Earth Sciences > Geography > Topographic Information

## Download Directory and Documentation

### Access to geospatial data files

The File Transfer Protocol (FTP) is used to distribute geospatial data via its website. Below an exhaustive list of collections that allows to access the FTP site directly. In the FAQ section, the question [Is it possible to access files with an FTP client \(for example Filezilla, BulletProof FTP, etc.\)?](#) will help you for the massive download.

Some digital files are large, often tens of megabytes in size. Plan to download during off-peak hours. It should be noted that the geospatial data have a wide variety of sources, scales, resolutions, projections, spectral resolutions and formats.

Documentation is available for most products and is located with the product. In some cases it may be in a separate "doc" subfolder.

### Download Directory by Product Categories

#### Elevation Data

- [High Resolution Digital Elevation Model \(HRDEM\)](#) (Application, FTP and WMS)
- [Canadian Digital Elevation Model \(CDEM\)](#) (FTP)
- [Canadian Digital Elevation Model \(CDEM\) using the data extraction service](#) (Application)
  - [CDEM documentation](#) (FTP)
  - [CDEM Information Sheet](#) (PDF, 678 KB)
- [Canadian Digital Surface Model \(CDSM\) using the data extraction service](#) (Application)
  - [CDSM documentation](#) (FTP)
  - [CDSM Information Sheet](#) (PDF, 666 KB)
- [Canadian Digital Surface Model \(CDSM\)](#) (FTP)
- [Canada3D - Digital Elevation Model of the Canadian Landmass](#) (FTP)

#### Geospatial Data

- [CanVec Multi-scale data](#) (FTP)
  - [CanVec Information Sheet](#) (PDF, 450 MB)
- [CanVec using the data extraction service](#) (Application)
- [Vector Indexes of the National Topographic System of Canada](#) (FTP)
- [National Topographic Data Base \(NTDB\), Canada](#) (FTP) - Legacy
- [NTDB Correction Matrices](#) (FTP) - Legacy
- [VMAP1](#) (FTP) - Legacy

#### Topographic Maps\*

- [Index maps of the National Topographic System of Canada](#) (Application)
- [Digital topographic raster maps - ARCHIVED \(FTP\) - Legacy](#)
- [Toporama](#) (FTP) - Legacy

\*To obtain paper maps, please contact a [Regional Distribution Centre](#) or a [Certified Map Printer](#).

#### GeoBase

- [National Hydro Network \(NHN\)](#) (FTP)

..... under the heading of 'Topographic Maps'

.....click on "Digital topographic raster maps – ARCHIVED (FTP) – Legacy"

From this index choose the scale of the map that you wish to download.

ie: 1:50,000 scale or 1:250,000 scale

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## Index of /pub/nrcan\_rncan/raster/topographic

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 <a href="#">Parent Directory</a>		-	
 <a href="#">1m pdf/</a>	24-May-2018 18:19	-	
 <a href="#">1m tif/</a>	24-May-2018 18:06	-	
 <a href="#">25k pdf/</a>	24-May-2018 17:51	-	
 <a href="#">25k tif/</a>	24-May-2018 16:35	-	
 <a href="#">50k/</a>	08-May-2018 02:26	-	
 <a href="#">125k pdf/</a>	24-May-2018 19:15	-	
 <a href="#">125k tif/</a>	24-May-2018 18:49	-	
 <a href="#">250k/</a>	20-Apr-2018 08:10	-	
 <a href="#">500k pdf/</a>	24-May-2018 15:04	-	
 <a href="#">500k tif/</a>	24-May-2018 14:42	-	
 <a href="#">doc/</a>	06-Jun-2018 19:13	-	
 <a href="#">images/</a>	25-May-2018 07:21	-	
 <a href="#">index/</a>	24-May-2018 19:15	-	

Apache/2.2.15 (Red Hat) Server at ftp.geogratis.gc.ca Port 80

The list of map numbers will appear.

Click on the '50k pdf/' this will show you a list of numbers is the first part of a 1:50,000 scale

For example, if you were looking for map # 11D / 14 you would do the following :

Click on # 11

Click on the letter 'd'

Click on 14

'011d14 0400 cantopopdf.zip'

There may be two choices ..... cantopo and canmatrix..... the canTOPO are the most recently updated..... you should choose those.

You can then click on 'Save As'

You will want to save this to your desktop of your computer , and then unzip it to open.

A window opens with the map provided as 011d14\_, an 'Adobe Acrobat Document' ... double click on this to open and view map.

It is important to refer to the **NTS Index map** to identify the map number for the map which covers the area you are interested in.

The map index can be found at this website.

Link:

<http://open.canada.ca/data/en/dataset/055919c2-101e-4329-bfd7-1d0c333c0e62>

here you will click on the Download button for the "Indexes in PDF format" guide, then choose the index map for the region of the country you are interested in.

*The guide to using this index can be seen below.*

This will open up the list of all the indexes from across Canada.



## Index of /pub/nrcan\_rncan/vector/index/index\_pdf

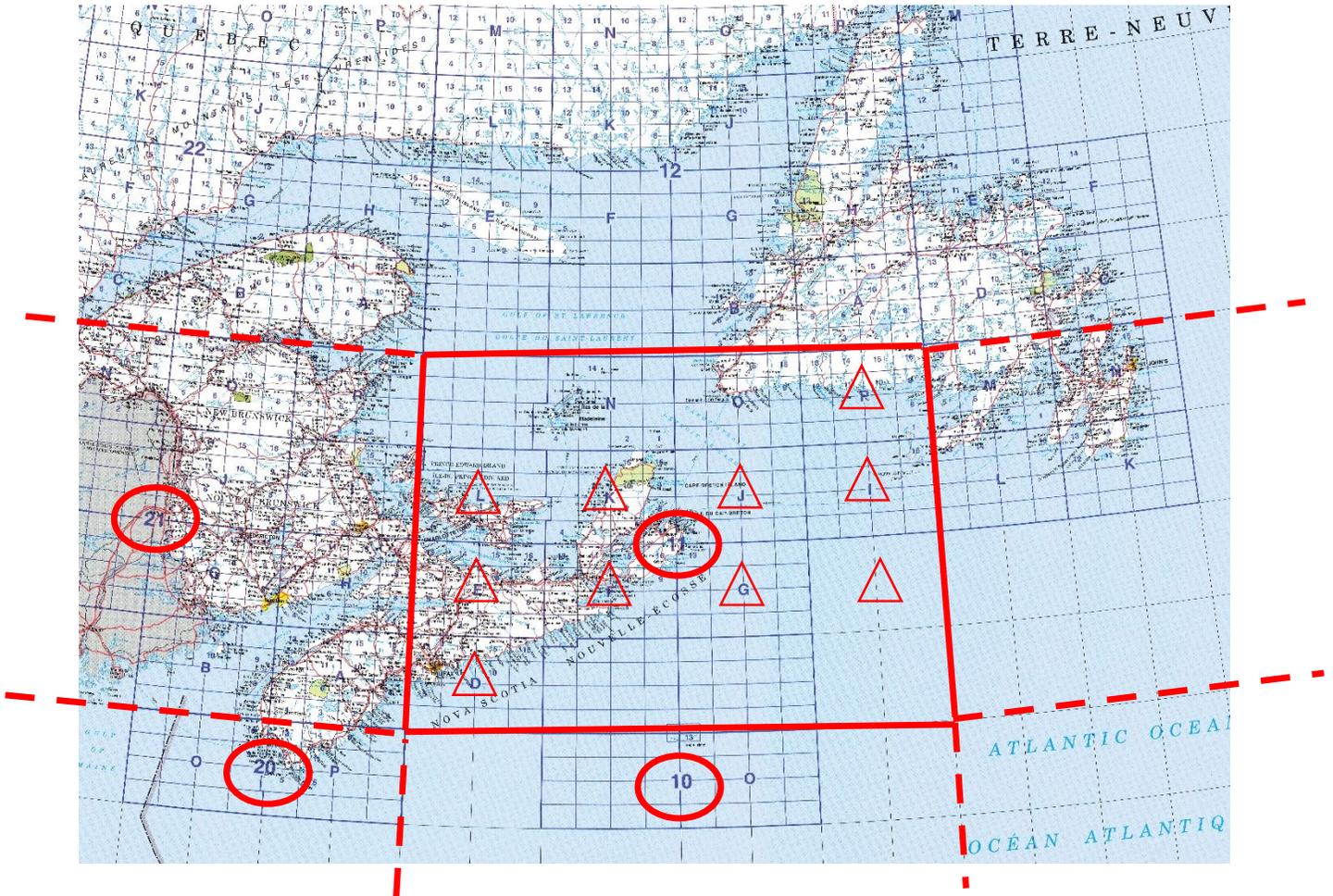
<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 <a href="#">Parent Directory</a>		-	
 <a href="#">NTS-SNRC_Index 1_Atl.&gt;</a>	2019-07-25 00:08	4.0M	
 <a href="#">NTS-SNRC_Index 2_Que.&gt;</a>	2019-07-25 00:08	3.4M	
 <a href="#">NTS-SNRC_Index 3_Ont.&gt;</a>	2019-07-25 00:08	7.2M	
 <a href="#">NTS-SNRC_Index 4_Pra.&gt;</a>	2019-07-25 00:08	3.8M	
 <a href="#">NTS-SNRC_Index 5_Bri.&gt;</a>	2019-07-25 00:08	2.7M	
 <a href="#">NTS-SNRC_Index 6_Nor.&gt;</a>	2019-07-25 00:08	13M	
 <a href="#">archive/</a>	1970-01-01 00:00	-	

I have outlined how to read the map index as seen below.

The heavier blue lines on the index indicate the first number of the map ( eg: 11 )

The letters from A to P represent a sub- section of the larger map (see the triangles)

Within each lettered area there are 16 smaller rectangles , these are the 1:50,000 scale maps.



To choose the map you want you first identify which large number contains the area you want, then determine which letter contains the area you want, then determine which number from 1 to 16 contains the area you want.

For example ..... a map of Halifax would be **11 D / 12**

..... and a map of Saint John, New Brunswick would be require two maps to cover it ..... **21 H / 05** and **21 G / 08**