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Instructions for Accessing Online CanMatrix (NTS) Georeferenced Maps for Use in GIS Applications

Paper Maps are also held in the Map Library Collection.

1. Access CanMatrix

[<http://geogratis.cgdi.gc.ca/geogratis/en/product/search.do?id=08F1CB77-F351-0F8A-EF30-CA081CA0CE61>].

2. On the searching interface, select “by Geoname”.

(Note: Searches can also be done by Postal Code, NTS sheet number, or Geographic Coordinates)

3. Search by Geoname:

Step 1: Enter a name in the Geoname text box. Select the “Locate” button.

Step 2: Select the title from the list of geonames found. *Note: The map now displays the NTS sheet of that geographical area.*

Step 3: Select the “Search available datasets” button.

The screenshot shows a map of the Niagara Falls area with NTS sheet numbers 30M6, 30M3, 30L14, and 30L15. A search bar at the bottom contains the text "Search available datasets" and is circled in red. Below the map, the text "Locate an area of interest on the map" is followed by instructions: "Use one of the following location methods in order to limit spatial extents of your search to a specific region of interest." Under the heading "by Geoname", there is a text input field with "niagara falls" and a "Locate" button. Below this, it says "6 geoname(s) found" and lists "Populated Places" including "Niagara Falls, Ontario (City)".

4. The search results screen lists the topographic maps at different scales (1:50 000 and 1:250 000).

Remove the check marks for maps not desired.

Select the “Submit” button.

The screenshot shows two map options. The first is "030M, Edition 1.1" released on 2005-09-09, with a scale of 1:250 000. The second is "030M03, Edition 1.2" released on 2005-09-19, with a scale of 1:50 000. Both options have a "Metadata" link and a "Submit" button at the bottom.

5. Select the “Download” button.

Note: Uncheck the box if the map is not to be downloaded.

The screenshot shows the "Datasets:" section with two checked options: "030m" and "030m03". Below this, the "Format:" is "GeoTiff (.tif)", the "Projection:" is "Universal Transverse Mercator (UTM)", and the "Resolution:" is "300 dpi". A "Download" button is at the bottom right.

6. Select the green arrow (s) on the download page.

7. Choose whether to open or save the file when prompted.

Note: Each file has to be downloaded separately.

The screenshot shows the "Download Page" with a "Remove all items" button at the top. Below, there are two items in a list, each with a green arrow icon and a "Remove this item" button. The first item is "CanMatrix (Georeferenced) - Digital Topographic Maps of Canada 030M" with a link to "Universal Transverse Mercator (UTM), 300 dpi, GeoTiff (.tif)". The second item is "CanMatrix (Georeferenced) - Digital Topographic Maps of Canada 030M03" with a link to "Universal Transverse Mercator (UTM), 300 dpi, GeoTiff (.tif)".