# Georeferencing Toporama maps for Canada

Эта страница опубликована в основном списке статей сайта
по адресу http://gis-lab.info/qa/tfws-toporama.html

Canadians may be proud with their **Toporama** (http://toporama.cits.nrcan.gc.ca) maps. Whole country is covered with rather high quality maps. Maps are available at scales 1:250'000 and 1:50'000. And they are completely free. One thing that is confusing why nobody has made them usable with GIS?

Here are ESRI World files that can be used with any map downloaded from **Toporama**.

Download the map, convert it to something acceptable by Arcview\Arcinfo software like TIF, JPG (default GIF files are not supported) with any graphics software and put corresponding TFW file in the same directory. After loading it as a theme to Arcview you know get fully georeferenced map.

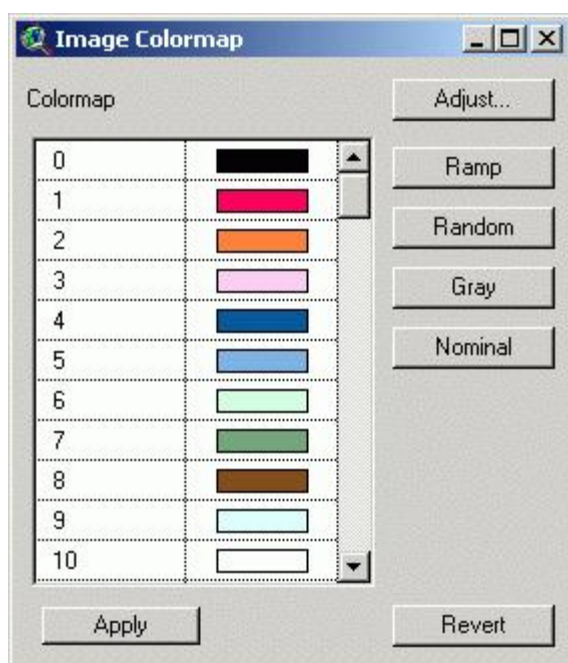**Download World files, Coordinate sytem: NAD83**

| 1:250'000 | 1:50'000 |
|-----------|----------|
| 150 Kb | 2 Mb |

**NB:**

1. Extension of the world file should be made of raster file type.
   For example: if it is TIF than the extension of world file should be TFW, if JPG than JGW.
2. Try to compress rasters with something like packbits or LZW (if you've license) algorithm, this will save some space.
3. Try to maintain uniform legend (colormap) for all maps, this will shrink filesize and bring you functionality of this Arcview extension (Transparent legend - Canada)

Colormap:
(Photoshop palette file for custom indexing)



As you can see:

0 - symbols, marks etc.
1 - highways
2 - local roads
3 - settlements
4 - hydro (borders)
5 - hydro (fill)
6 - veg (fill)
7 - veg (border)
8 - relief (hypsography)
9 - snow, ice (permafrost) areas
10 - white areas, not taken with any special feature

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