

GEOG205 Winter 2016 Mini-Project (25%)

- The project outline is completely open if you have specific ideas of your own.
- The purpose is to create a map of your choosing from data import to finish
- Use this chance to make a map to show an area / theme that is useful or meaningful to you or an area relevant to another course. You can use the three assignments as 'models' of the type of map you might produce: 1. Location, 2. Thematic, 3. Topographic; check the 'Projects' link on the GEOG205 home page to view some previous project maps.
- Final product is a **tabloid (11 x 17") or letter page size map**, submitted along with a **one page description or rationale** behind your area and design - why you chose this area, what you are showing, and the design principles.
- This map should embody the principles and processes learned during the course
- You should endeavour to access and assemble the data you need in this first week's lab time ... confer with your TA as needed

First steps

1. Which **map type** turns your crank the most: Location, Thematic or Topographic ?
.... this may include historical or fantasy maps
2. **Geographic area:** BC, Other province, Other country ?
3. **Scale:** Municipal (1:5k-10k), Local (1:25k-50k), Regional (1:250k-500k), National ->
4. Aim to collect data this week, plan design next week, execute final output final week
5. Just do it, there is no try - there is only do, make it so, Boldly Go !

General data available:

Canada - all map NTDB **vector** layers at 1:50,000 (similar process to assignment 3)

BC - provincial TRIM layers, by tile (from GIS lab) or AOI (area of interest - online)

BC - forest cover and some related thematic layers

PG - all city layers including DEM, contours and orthophotos

Census Canada: <http://www12.statcan.gc.ca/census-recensement/2011/rt-td/index-eng.cf>

- check first with UNCB Map librarian for census data

Other - the list could be endless .. you are not limited by the above

If you have no distinct other plans, this default template is suggested:

Select a dataset from the NTDB (anywhere in Canada) at 1:50,000. Redesign the elements to suit your focus, and distinguish it from the standard NTS design. For example, add shaded relief - easily generated from the contours/DEM. Note that the data are organized and downloaded by 1:50,000 NTS map sheets, so once assembled you will zoom in to your area and focus on that 'subset'. Use the Geospatial Extraction tool on geogratis if your area of interest crosses map edges.

<http://geogratis.ca> - download by map tile (as in assignment 3) or use geospatial extraction tool for AOI; use a downloaded map raster to set arcmap data frame to UTM; vector data are otherwise in geographic. Geogratis also has smaller scale regional data.

BC data

<https://apps.gov.bc.ca/pub/dwds/home.so>

<https://www.for.gov.bc.ca/hts/vridata>

Other Provinces- also on geogratis

<http://canadiangis.com/data.php>

Municipal sites: (UNBC GIS Lab has PG data)

<http://princegeorge.ca/cityservices/online/odc/Pages/default.aspx>

<http://www.mapplace.ca...> Other BC cities: e.g. Saanich (Victoria)

Selected free data sites:

<http://www.openstreetmap.org>

<http://freegisdata.rtwilson.com>

<http://www.mapcruzin.com>

.. also see the data options when you 'add data' using ArcGIS online