

GEOG205 Winter 2021 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 previous assignments as 'models' of the type of map you might produce:
- 1. Location, 2. Thematic, 3. Topographic; check the 'Tutorials' link on the GEOG205 home page to view some previous project maps - coming soon!.
- Final product is a **tabloid (11 x 17") or letter (8.5 x11") page size map**, submitted along with a **one page description / rational** behind your area and design - why you chose this area, what you are showing, and design principles.
- This map should embody the principles and processes learned during the course. Do NOT use another map as 'raster' background in your final output.
- You should endeavour to access and assemble the data you need in this first week's lab time ... confer with your TA as needed.
- See also the projects review lecture once it is posted

First steps

1. Which **map type**: Location, Thematic or Topographic ?
2. **Geographic area**: BC, Other province, Other country ?
3. **Scale**: Municipal, Local, Regional, National, Global ?
4. Aim to collect data 'week 1', plan design 'week 2', execute final output week 3.

Selected data available:

Canada - all map NTDB **vector** layers at 1:50,000

BC - provincial TRIM layers, by AOI (area of interest - online)

BC - Vegetation resource inventory (VRI) - forest cover and related thematic layers

PG - all city layers including DEM, contours and orthophotos

Census Canada: <https://library.unbc.ca/collections/data-statistics>

Global roads and trails: www.openstreetmap.org

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

See for example: https://en.wikipedia.org/wiki/List_of_GIS_data_sources

If you have no distinct other plans, you could follow this default template:

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. The data are initially organized and can be downloaded by 1:50,000 NTS map sheets, but the Geospatial Extraction tool enables you to cross map edges (AOI). set coordinate system to WGS84 - pseudo-Mercator ('web Mercator') You should not map in Lat/long (geographic) as area is distorted - if you download data in Geographic, you should then project/reproject it to UTM or ALBERS

BC data

<https://apps.gov.bc.ca/pub/dwds/home.so> (but maybe easier in this course to use NTDB)

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

Other Provinces- <http://canadiangis.com/data.php> (or google provincename gis data)

Municipal sites: (UNBC GIS Lab has PG data)

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

Other BC cities- search online: e.g. Saanich (Victoria) or refer to canadiangis site

Selected free data sites:

<http://www.openstreetmap.org> <http://freegisdata.rtwilson.com>

<http://www.diva-gis.org/> and <http://www.mapcruzin.com>

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

Report 5% - 1-2 pages 1.5 spacing suggested

- Rationale for choice of area and map type
- Brief summary of layers used and source
- What we are looking at on display
- Design principles - what you tried to show
- Properly written, not an essay but avoiding typos and poor grammar

Map: 20% - 4% for each of these items:

- A. Symbolisation: contrast and design
- B. Labelling – place name typography and positioning
- C. Ancillary information – completes and correctness
- D. Layout and figure-ground effect
- E. Overall visual impression ('gestalt') and complexity