

## **GEOG205 Winter 2020: Projects / alternate review option**

In the syllabus, the project occupies the lab periods for the next 3 weeks. When you decide on your selected option (1-4 below), please inform your TA, who may be able to help you.

These first 3 options require decent home computer and connection to internet to link to Osmotar server using VMware. If you want to do this but haven't yet been able to use the connection, please contact your lab TA. Some of you may also be able to access other mapping software on your desktop e.g. QGIS (used in GEOG204). Then you might only need to contact your TA for some data layers held in the GIS Lab.

### **1. Individual map:**

Pick any map theme of your choice and design you can build with accessible data; connect with your TA if you need some assistance on data or remote connections. Details: see the Map project outline link on the syllabus page.

### **2. Thematic map:**

We have created a dataset of BC/AB (western Canada) ski hills to enable a proportional map (similar to assignment 3). Use the same base map with cities and roads; symbolize differently the Major cities (>100,000) and label them. The ski hill data layer is in this folder: L:\labs\geog205\project\_dat\bc\_ski\_sites This layer includes base and summit height for each hill, plus vertical drop, which is the most logical attribute to scale the symbols. Ensure you get good thematic size contrast between the symbols – some of the WDCAG maps had low size contrast. Change this setting given in assignment 3 which may have had a poor effect: “Make the number of symbols to display in the legend 5 and change the Symbol Min Value to 8”. I'd recommend not classifying the sizes into groups. Also consider symbols that may be more appropriate to skiing.

### **3. Topographic map:**

An expansion of assignment 6: pick a different or larger area and create a finished topographic map from federal data. Be sure to zoom out enough to get a sufficient area – some students didn't zoom out for assignment 6 and mapped a small local area. If you use hypsometric tints, use the transparency option – on most assignment 6 maps, the tints were too strong, which created an effective relief model, but made it difficult to read other map symbols. You should create a hierarchy for roads if your area includes them and label a selection of features. A 3D perspective could be added, but you can't access TerrainBender via Osmotar – you would need to download and install the software on your home PC. Be sure to export your 2D map as a georeferenced geotiff if you wish to do this so that the image properly overlays the DEM.

### **4. Non-project option: review (five) past projects (5 x 5%)**

If you don't have access to the hardware requirements, you can choose instead to become the marker and grade other students' past maps in lieu of a project. Your grading will be graded. We're aiming to make it a similar workload as the projects and you'd still practice your cartographic skills. *“You can choose to do a project or the grading assignment. To become the cartographer or the judge, your choice.”* Use the grading sheet (word .doc), one for each map; insert your comments under each sub-heading – include positive comments as well as critique.

The maps and sheets are linked in 4 word documents, one for each lab section (Mon-Thurs.)

- These are linked on the GEOG205 entry page; download your lab section file

Monday-Ping

Tuesday-Sergio

Wednesday-Raj

Thursday-Karen