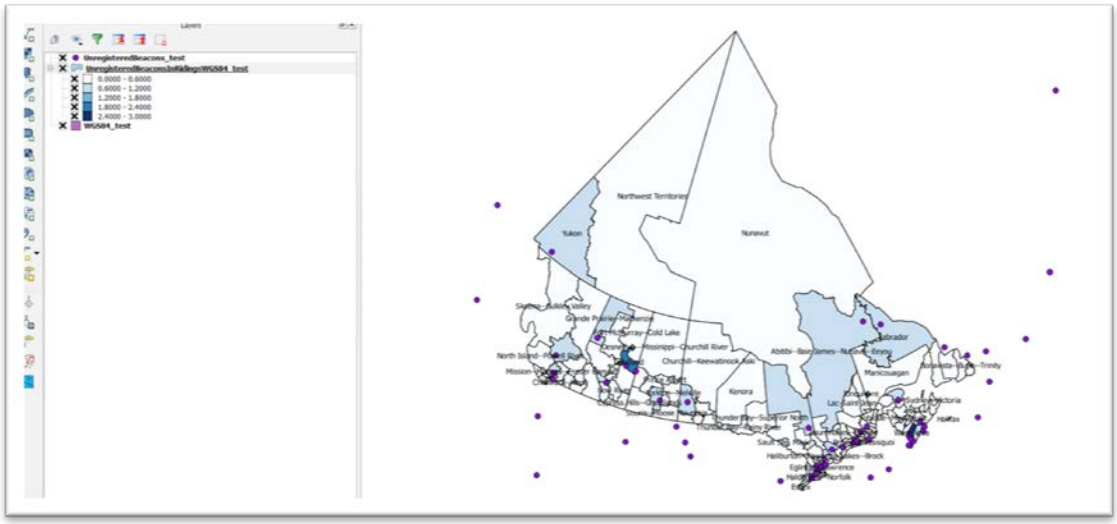
GIS test

1) Open the search-and-rescue data that we used last week
2) Save it as an Excel file, paste the original into a new worksheet and rename it workingcopy
3) Filter the working copy for the term "unregistered" in column I, the "Incident Summary" field
4) Save the filtered table as a new csv file (1)
5) Open Qgis
6) Import the 2013 federal ridings boundary file, which you can also upload from the Dec. 2 section of the syllabus
7) Save it in the WGS84 projection, and discard the original file. **(1 mark for steps 1-7)**
8) Import the unregistered beacon file, that you can also download from the syllabus' Dec. 2 section, and make sure it is saved in the SAME projection as the federal ridings boundary file.
9) Re-save the csv file in the with the same projection as A SHAPE file **(1 mark for steps 8 &9)**
10) Delete the original csv file from Qgis, leaving you with two layers.
11) Save the Qgis project
12) Now you should only have two files shape files: the boundary file and unregistered beacon file. They should also have the same projected coordinates otherwise the next step will not work.
13) Perform a points-in-polygon analysis to determine which riding has the highest number of incidents involving unregistered beacons. **(1 mark for steps 10-13)** (NOTE: if you need a refresher, consult our first mapping tutorial.)
14) Symbolize, or colour-code the result and activate the riding labels so that your result looks like this:



. **(2 marks for steps 14-15)**

15) FOR BONUS: save the result as a shape file in a special folder you can call “BeaconViolations”, zip the shape file’s contents and upload it to ArcGIS Online. **(1 mark)**