Individual Work Log WEEK 4

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Tuesday May 19

1. Group meeting (9am - 3:30pm, 6.5 hours)
2. Presentation to Scott (20 mins)
3. Going through the QGIS work which I did last week with everyone. "tutorial" for everyone in the group to get familiar with the steps I took. (3 mins)
4. Trying to classify the DB's into the PHU... trying various methods (5 hours)
5. Steps to fix the bad polygons in qGIS...
6. install plug-in Select Within
7. select a PHU
8. use select within button to hilight all the DB's inside the PHU you selected.
9. Now select Vector > Geoprocessing Tools > Clip
10. Use the input layer DB's, and overlay layer as PHU
11. If there are some DB's which do not work you will see a message in the progress of the Clip.
12. To fix this, go to Settings > Options > Processing > General > Invalid Features filtering
13. Now change it to "ignore"
14. Try to run the Clip again
15. It will colour all the intersecting DB/PHU's and any DB which is not properly being classified will not get coloured.
16. The reason is probably that there is a "hole" in the DB (one of the edges comes to a point, qGIS cannot understand it properly)
17. To fix these "holes", there is a built-in function in QGIS.
18. Go to Processing > Toolbox > scroll down to Fix Geometries
19. The input layer should be "clipped" layer which you generated in step 9/10
20. Now there will be a new layer called "Fixed Gemotries" which corresponds to the DB which was not working earlier!
21. to combine the layers go to Vector > Data Management Tools > Merge Vector Layers
22. Select the Clipped and Fixed Geometries layers, now you will get the layer which contains the entire DB's classified into the appropriate PHU!
23. Overall time spent on QGIS today ~ 12 hours

Wednesday May 20

1. Group meeting (9am - 3pm)
2. Zoom meeting with Bruno and Marian 11am-12 (1 hour)
3. Doing more GIS layering, trying to connect the proximity measures with the map. . . having issues with the data type. (3 hours)