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IS380
Mini Project: Acquire Data for Parts #2 and #3
Acquired data set link.
https://www.diva-gis.org/

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Spatial Data Download

Country: United States
Subject: Inland water

Download
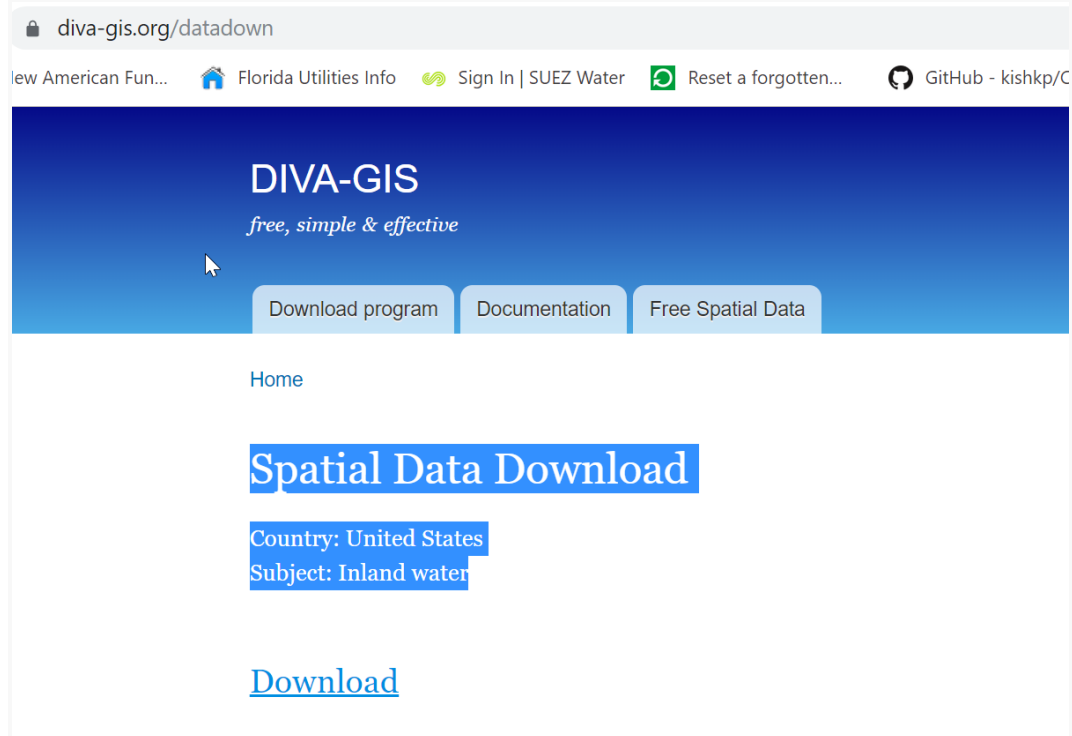
Hi professor,

I've selected the above data source: United States →Inland water

Source URL/Website: https://www.diva-gis.org/datadown

My proposed spatial queries questions are as follows:

1. What is the area or density of the inland waterways per river/stream?

2. What is the land to Inland water ratio with in the United States?

3. Which state has the most water Density or Mass Inland water/river or stream
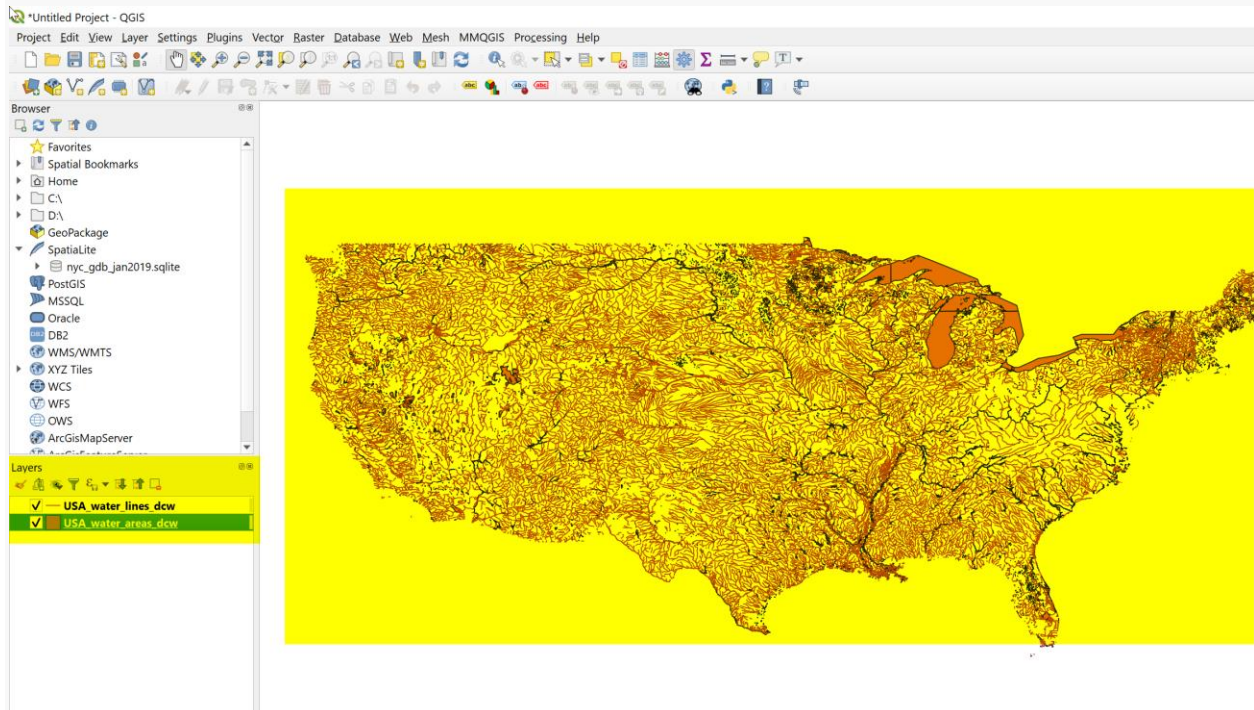
Thus far, I've already added my data which is readily formatted to be supported in the QGIS desktop app.

Steps taken to add/use data downloaded:
Use Layer → Add Layer →Vector →File →Vector Datasets source→Point to the file download.
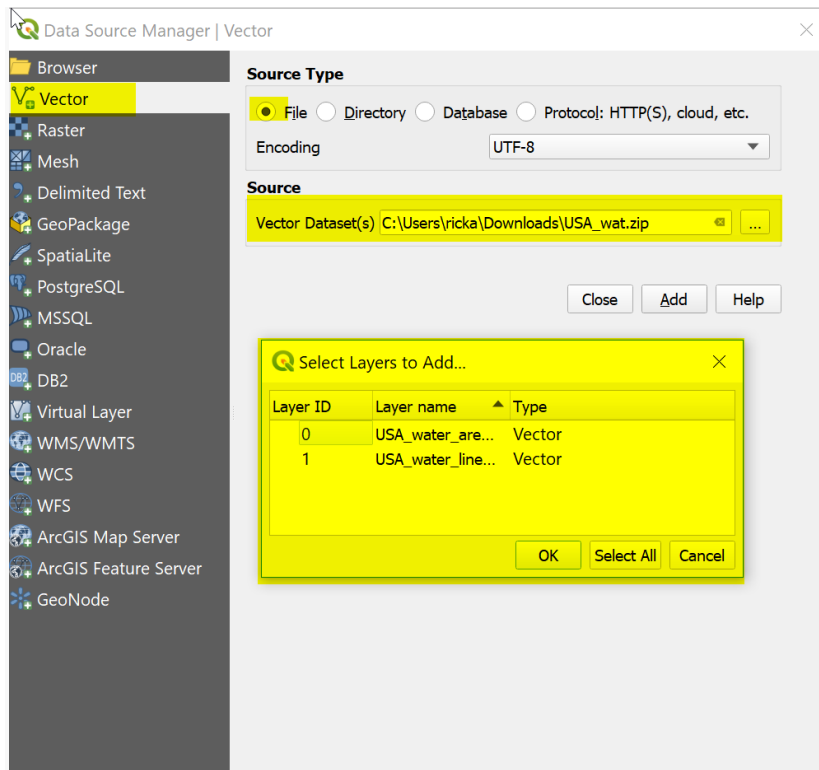
Results:

So, here is where I will need some guidance, I guess I'm stuck or drawing a blank at this junction. I know this week's objective is for us to pick a data source and define a clear

directional pathway for our project, I'm confident that I can figure the Menu or Option or Plugin, example: MMQGIS to compute my results.
However, I am stuck at the junction on what filed or header or column I should utilize to calculate/ arrive at my answer.

I have included the capture of my data to provide some visual or insight on whether my dataset needs to be revised or an insufficient data sample is targeted.

Or possibly I'm maybe formulating my questions incorrectly based on the relevant data obtained?

USA_water_lines_dcw :: Features Total: 58242, Filtered: 58242, Selected: 0

	F_CODE_DES	HYC_DESCRI	NAM	ISO	NAME_0	Shape_Leng
1	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00000100000
2	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00000100000
3	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00000100000
4	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00000141421
5	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00000141421
6	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00000200000
7	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00006488451
8	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00007905694
9	River/Stream	Non-Perennial/I...	UNK	USA	United States	0.00010791200
10	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00011524756
11	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00014577380
12	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00014900000
13	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00015216110
14	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00015771493
15	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00016837161
16	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00017600000
17	River/Stream	Non-Perennial/I...	UNK	USA	United States	0.00017711578
18	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00027865750
19	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00029091064
20	River/Stream	Non-Perennial/I...	UNK	USA	United States	0.00029700000
21	River/Stream	Perennial/Perma...	UNK	USA	United States	0.00034009410

There are also a few other possible datasets that is available that can be selected to conclude a clear direction, in terms of questions for which I can propose and deliver results, See the examples below for details.

Your guidance here would be greatly appreciated.

Thank you!

Subject	Description	Source	Format	Resolution
Administrative areas (boundaries)	Country outlines and administrative subdivisions for all countries. The level of subdivision varies between countries	GADM, version 1.0	Vector (area)	-
Inland water	Rivers, canals, and lakes. Seperate files for line and area features	Digital Chart of the World	Vector (line and area)	-
Roads	Roads	Digital Chart of the World	Vector (line)	-
Railroads	Railroads	Digital Chart of the World	Vector (line)	-
Elevation	SRTM30 dataset. CGIAR-SRTM data aggregated to 30 seconds	CGIAR SRTM (3 seconds resolution)	Grid	30 seconds
Land cover	Land cover, original data resampled onto a 30 seconds grid	GLC2000	Grid	30 seconds
Population	Population density (old)	CIESIN, 2000. Global gridded population database	Grid	30 seconds
Climate	Monthly climate data	WorldClim	Grid	30 seconds
Gazetteer	A gazetteer is a list of place names and their coordinates. The files you can download here are for use in DIVA for automatic georeferencing (to assign coordinates to places). The files should be placed in the \gazet directory. (old, use Biogeomancer). They can also be used to map localities, however you can download more recent files from NIMA	U.S. National Imagery and Mapping Agency's (NIMA) database of foreign geographic feature names	DBF	-