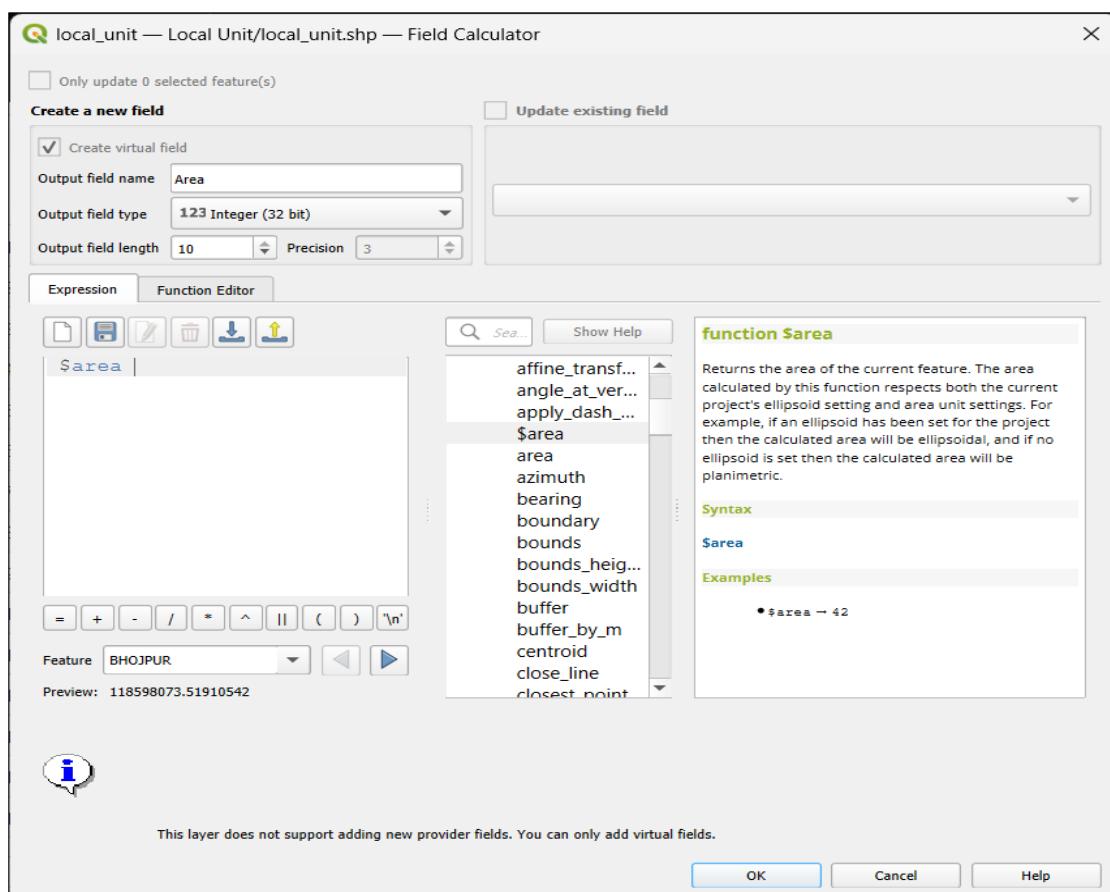


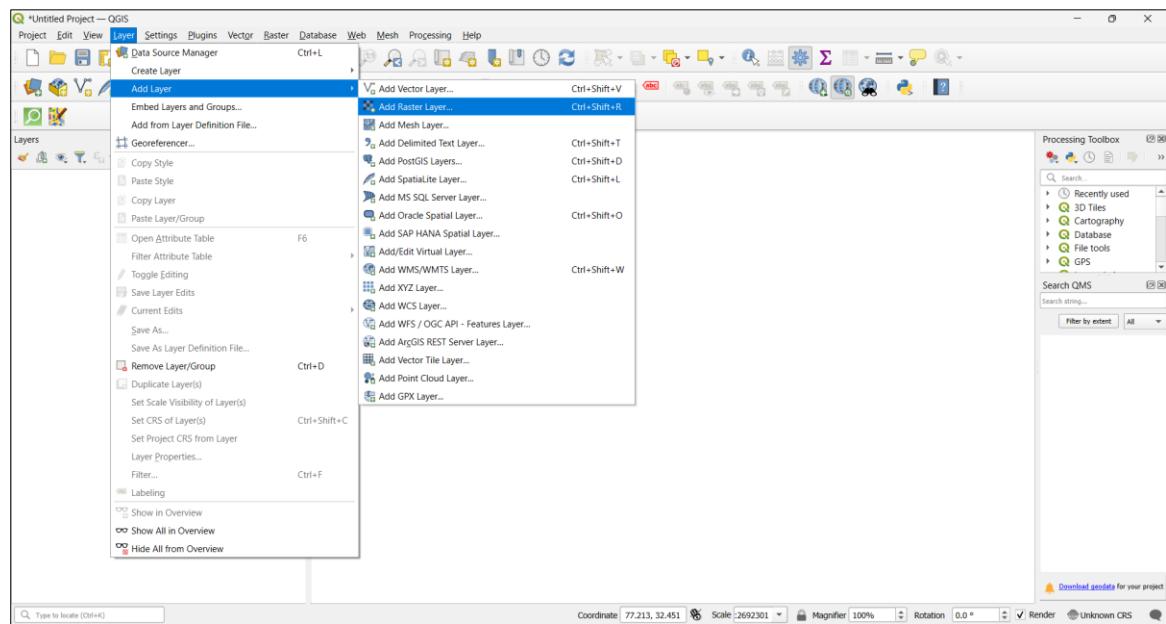
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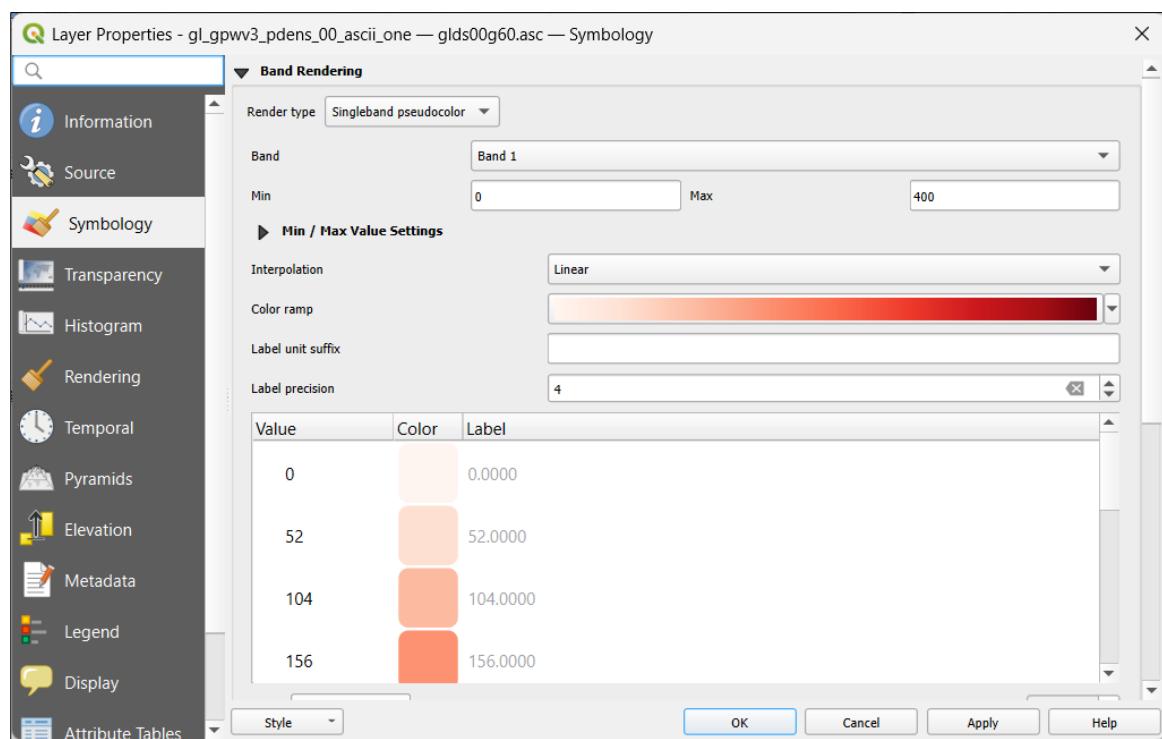
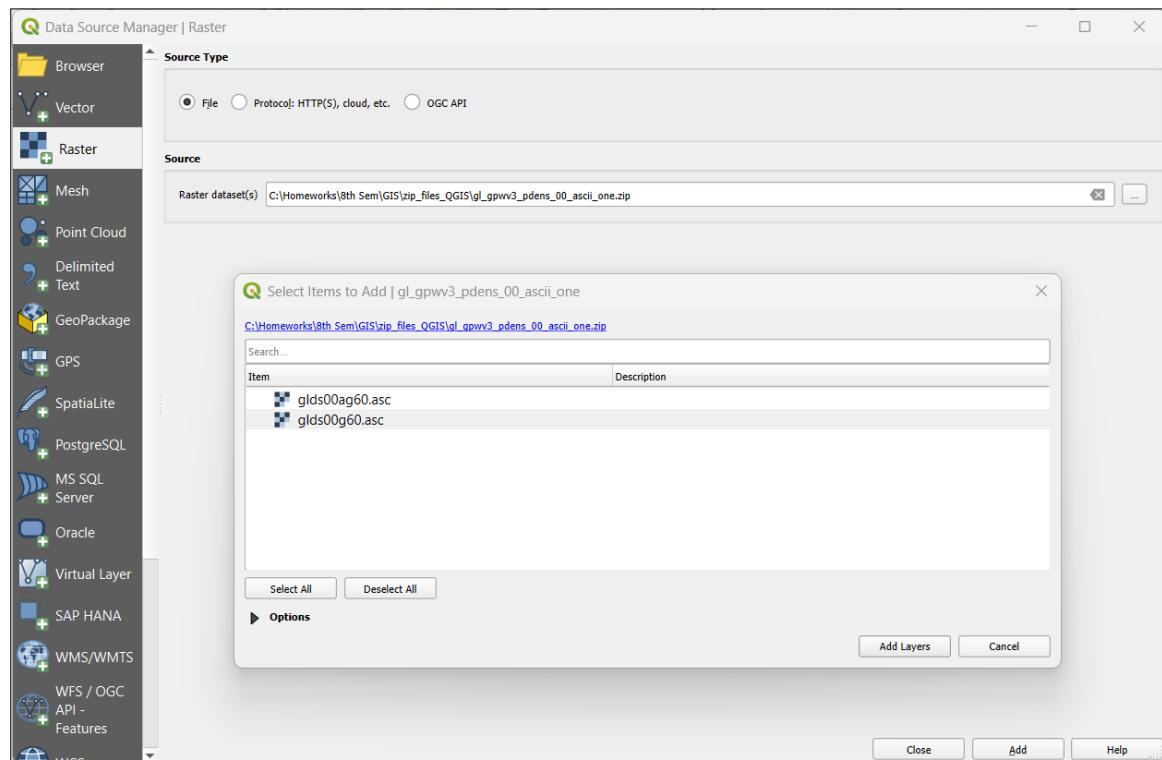
	STATE_CODE	DISTRICT	GaPa_NaPa	Type_GN	
1	1	TAPLEJUNG	Aathrai Tribeni	Gaunpalika	1
2	1	TAPLEJUNG	Maiwakhola	Gaunpalika	1
3	1	TAPLEJUNG	Meringden	Gaunpalika	1
4	1	TAPLEJUNG	Mikwakhola	Gaunpalika	1
5	1	TAPLEJUNG	Phaktanglung	Gaunpalika	1
6	1	TAPLEJUNG	Phungling	Nagarpalika	1
7	1	TAPLEJUNG	Sidingba	Gaunpalika	1
8	1	TAPLEJUNG	Sirijangha	Gaunpalika	1
9	1	TAPLEJUNG	Pathibhara Yan...	Gaunpalika	1
10	1	PANCHTHAR	Falelung	Gaunpalika	1
11	1	PANCHTHAR	Falgunanda	Gaunpalika	1
12	1	PANCHTHAR	Hilihango	Gaunpalika	1

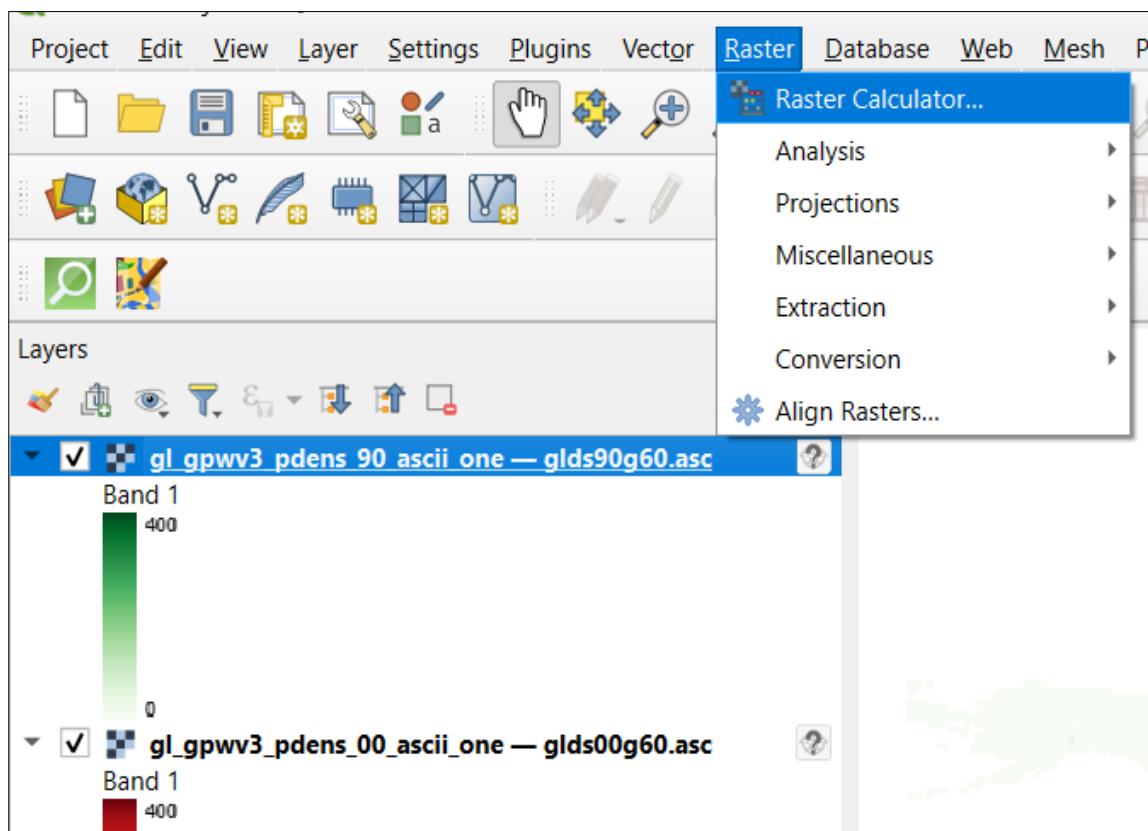
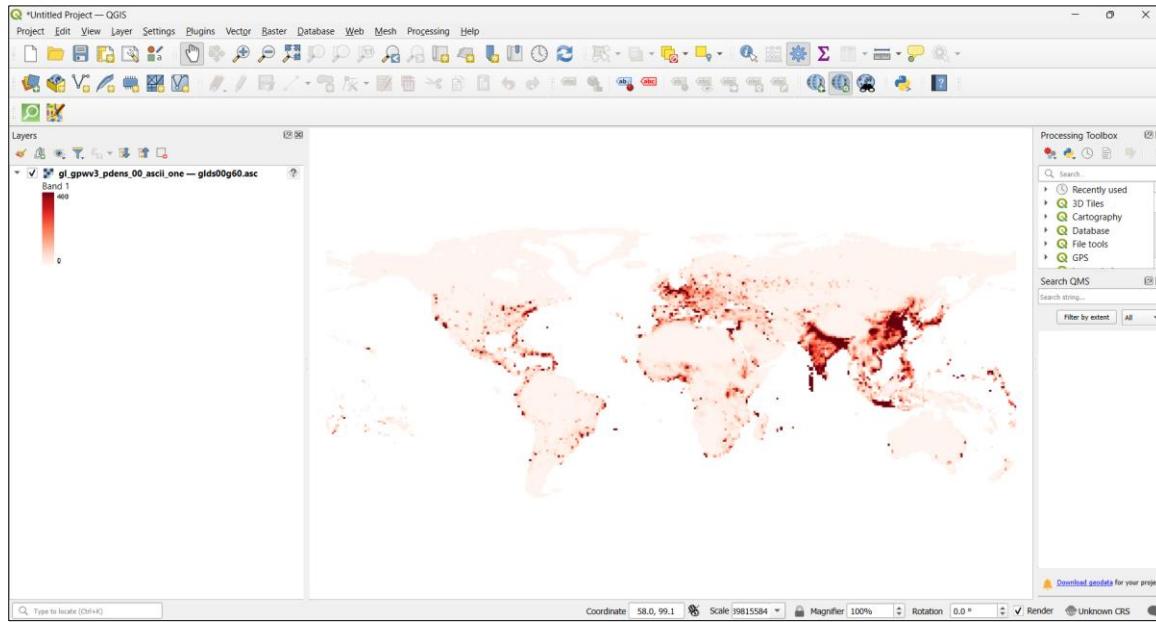


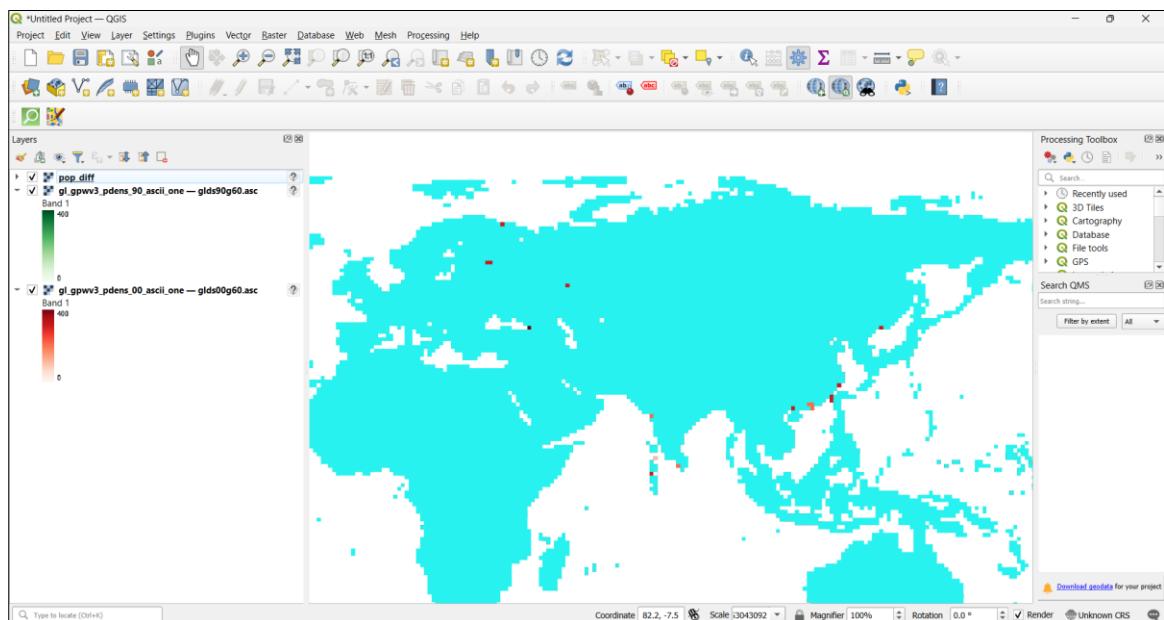
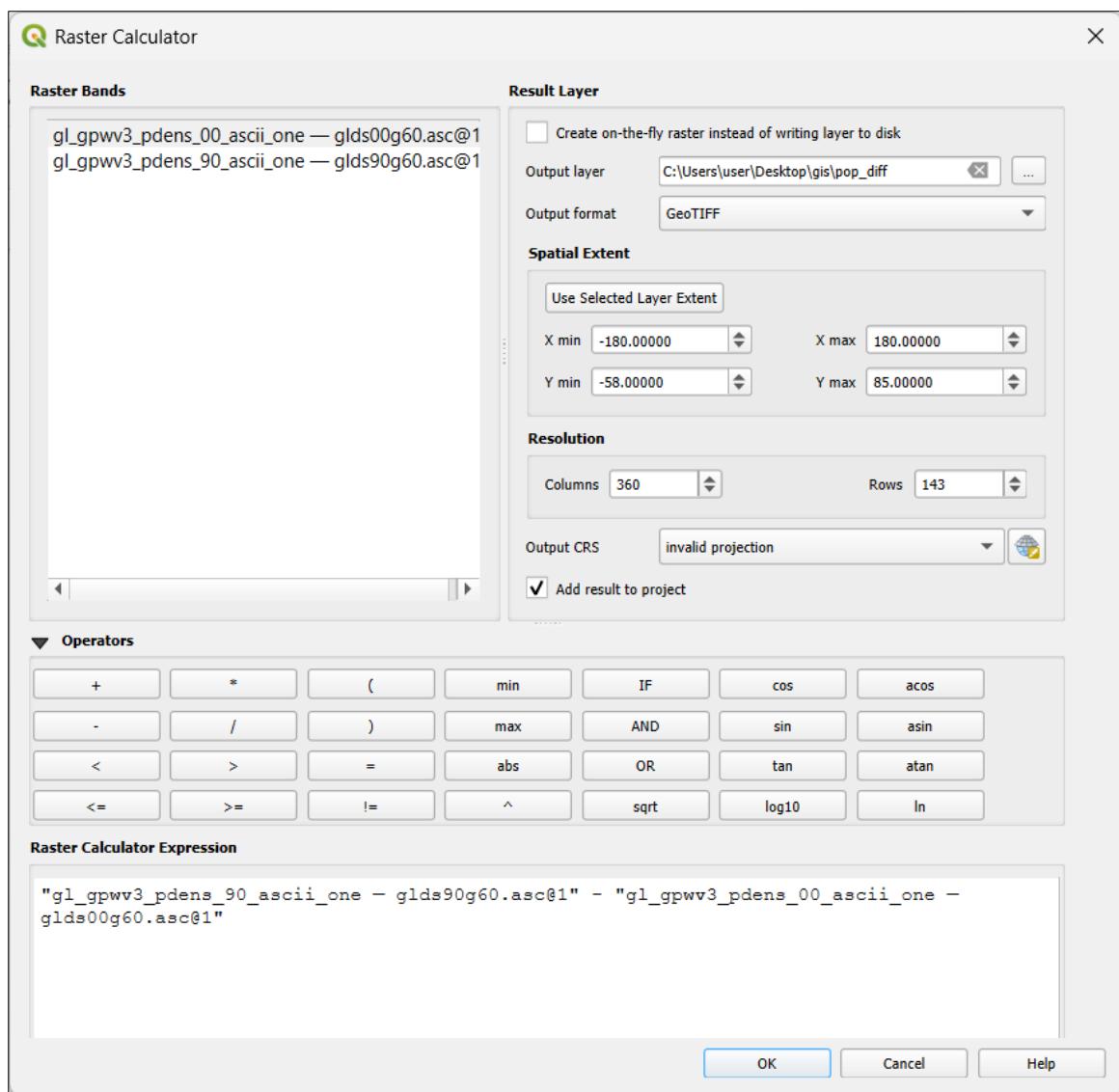
local\_unit — Local Unit/local\_unit.shp — Features Total: 777, Filtered: 777, Selected: 0

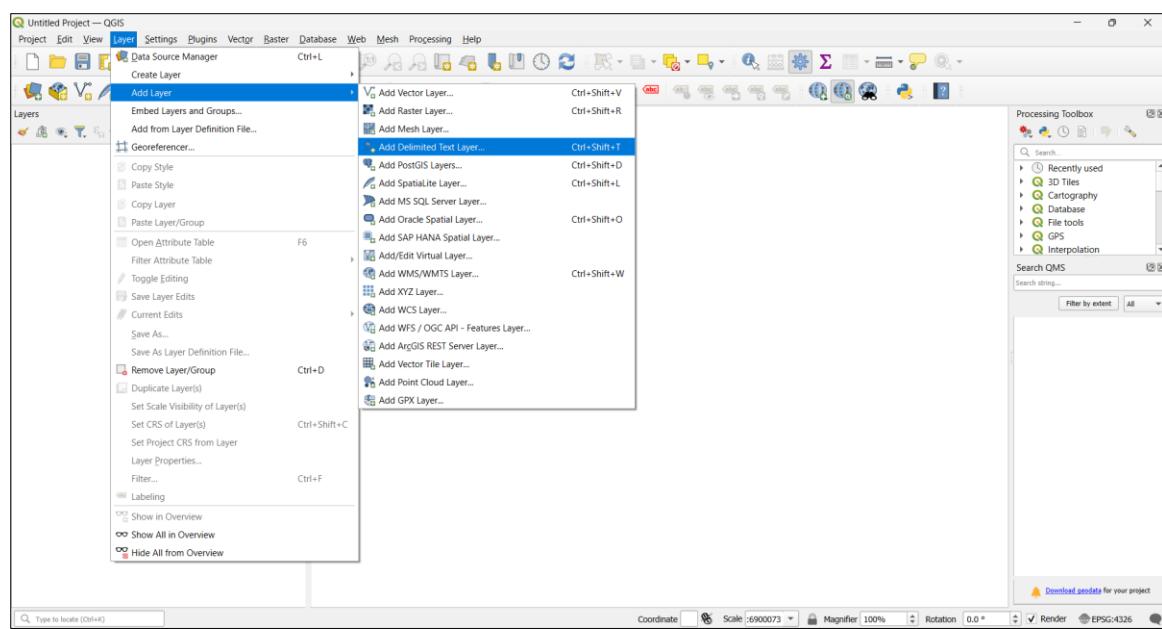
	STATE_CODE	DISTRICT	GaPa_NaPa	Type_GN	Province	Area
1		TAPLEJUNG	Aathrai Tribeni	Gaunpalika	1	88563274
2		TAPLEJUNG	Maiwakhola	Gaunpalika	1	137439581
3		TAPLEJUNG	Meringden	Gaunpalika	1	209729538
4		TAPLEJUNG	Mikwakhola	Gaunpalika	1	441641937
5		TAPLEJUNG	Phaktanglung	Gaunpalika	1	1852095403
6		TAPLEJUNG	Phungling	Nagarpalika	1	125173062
7		TAPLEJUNG	Sidingba	Gaunpalika	1	205263259
8		TAPLEJUNG	Sirijangha	Gaunpalika	1	479379941
9		TAPLEJUNG	Pathibhara Yan...	Gaunpalika	1	92464703
10		PANCHTHAR	Falelung	Gaunpalika	1	206408034
11		PANCHTHAR	Falgunanda	Gaunpalika	1	107183991

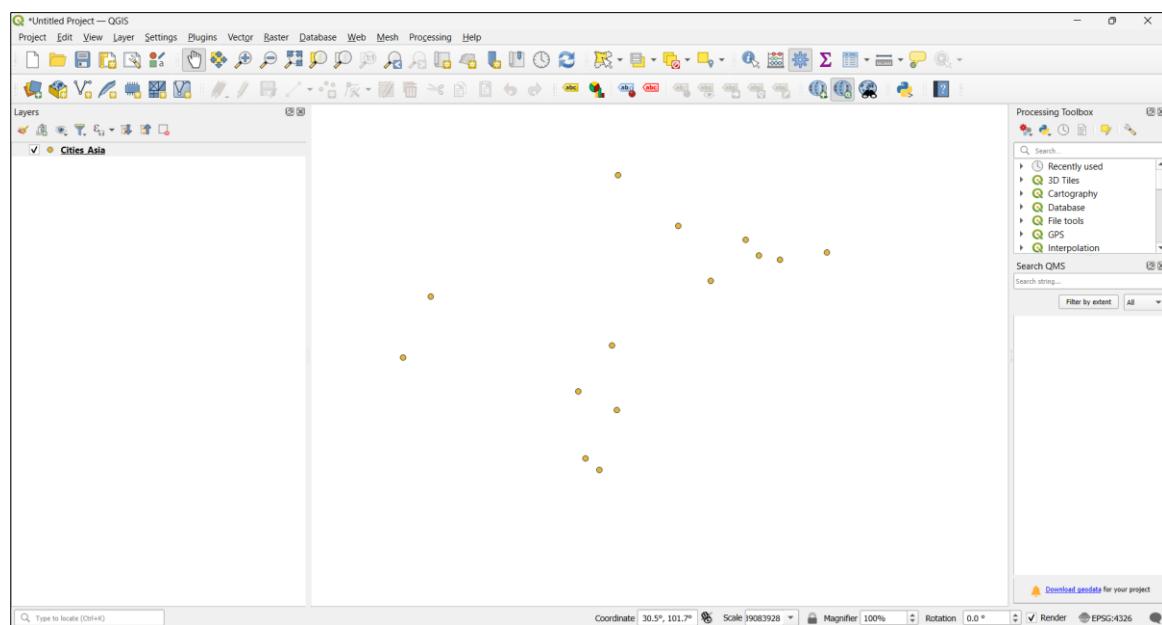
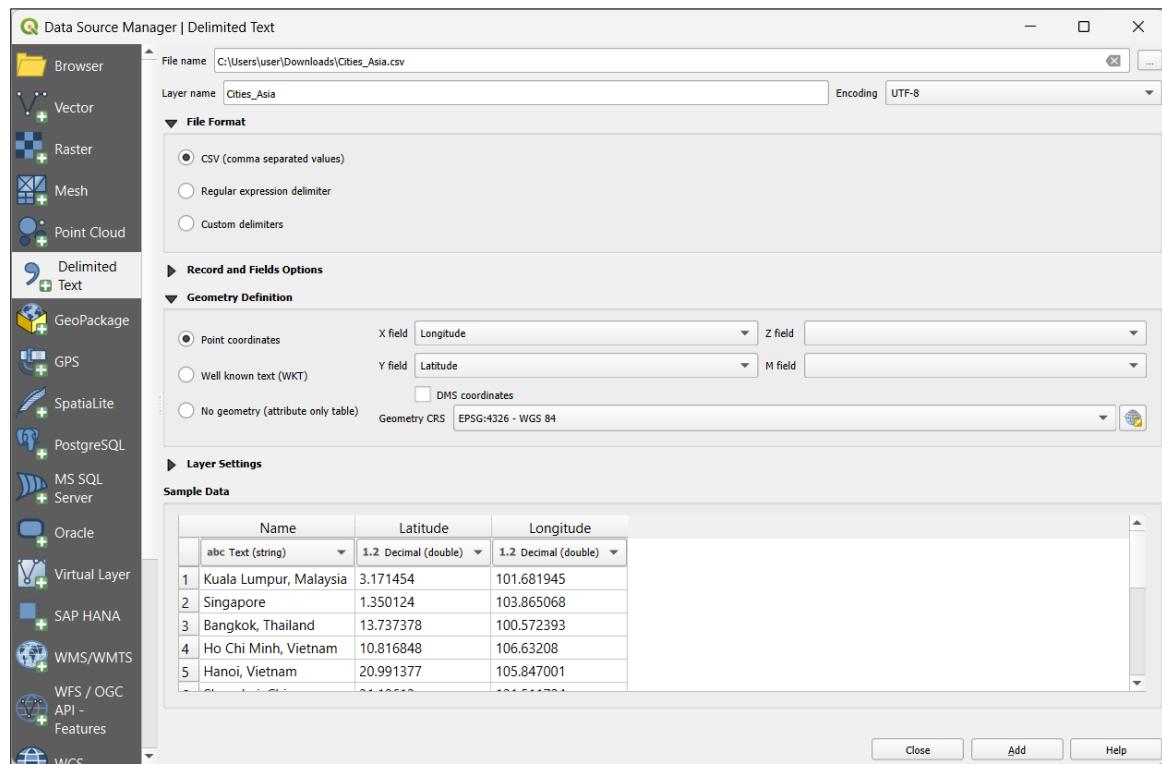


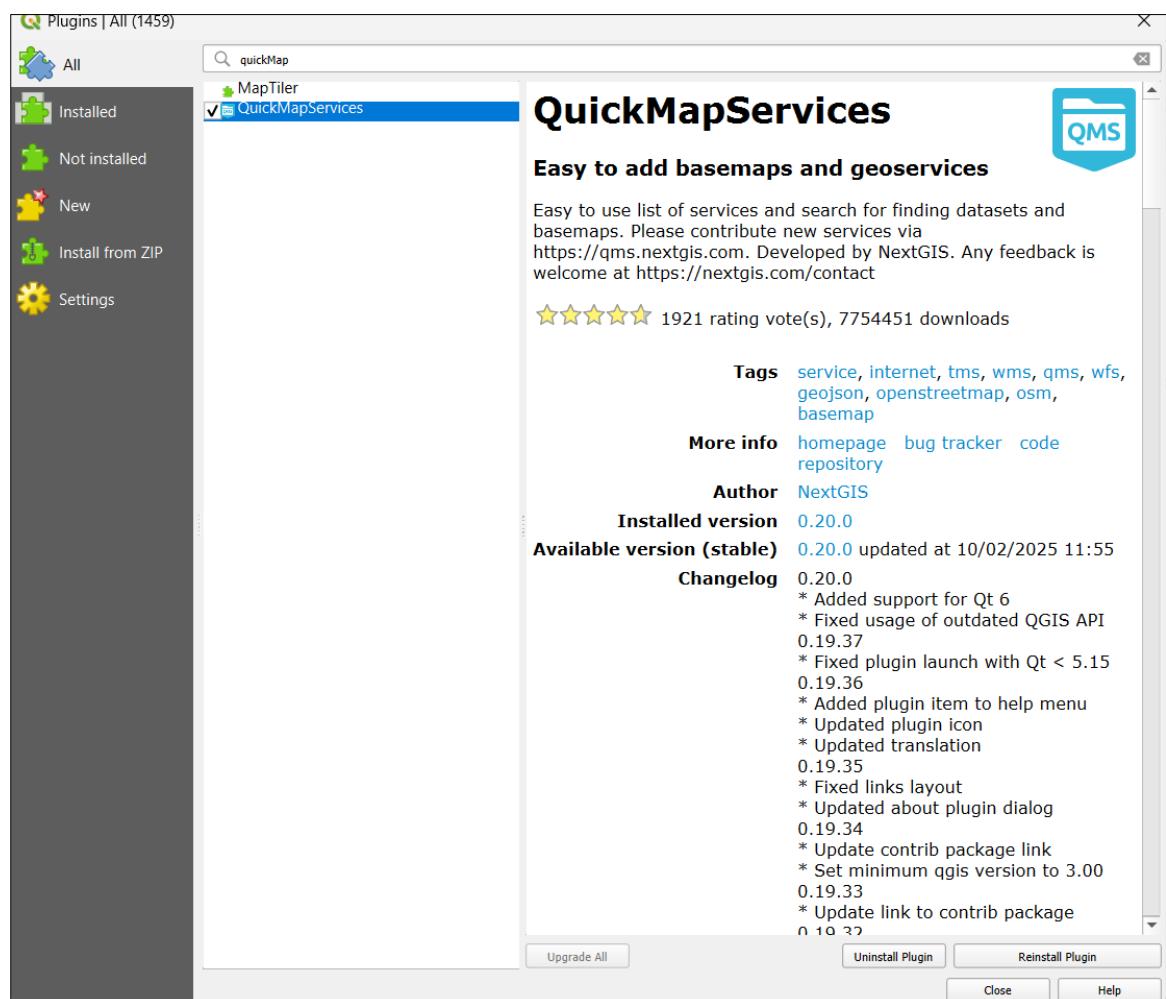
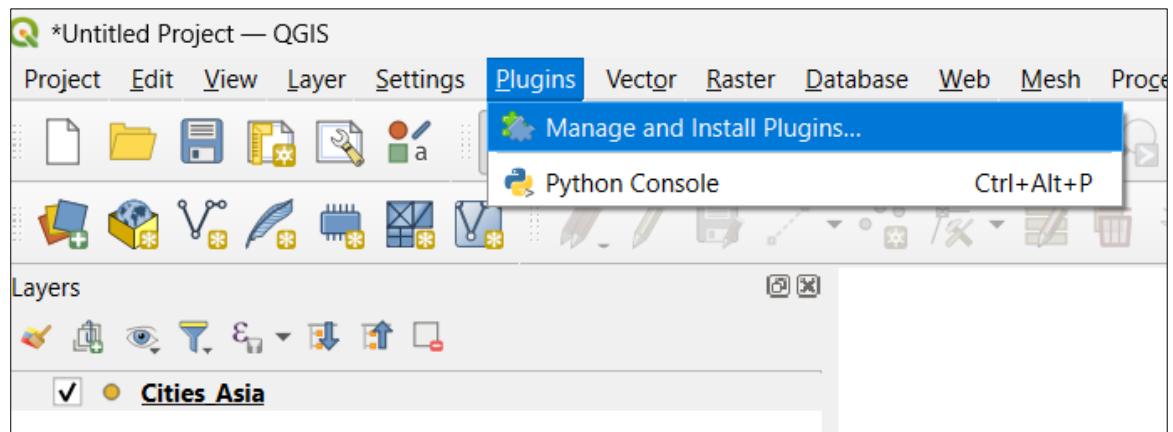


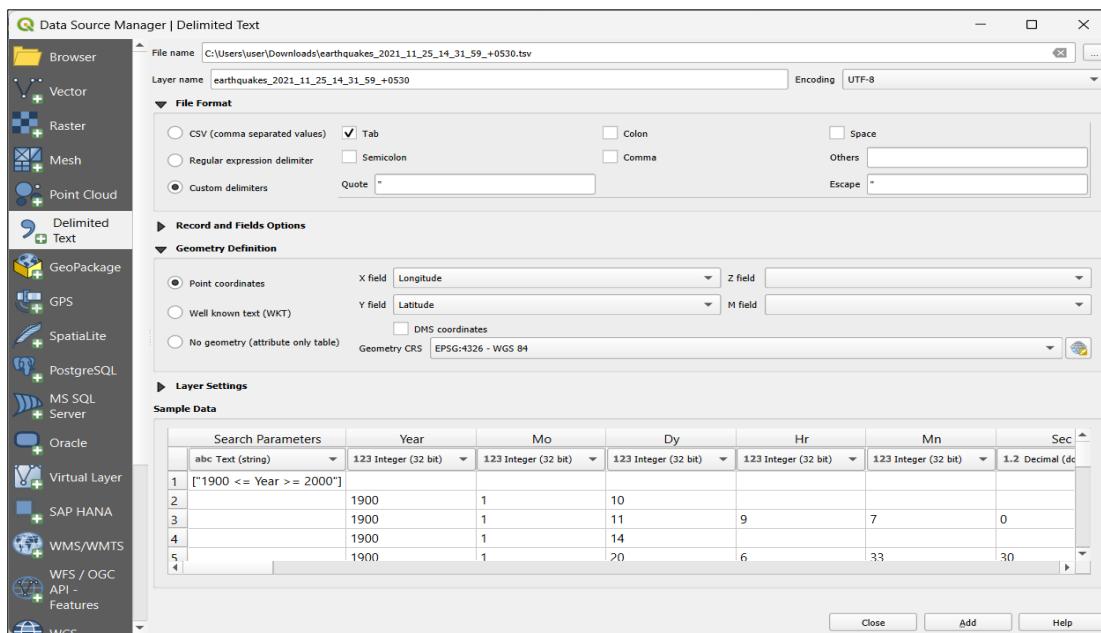
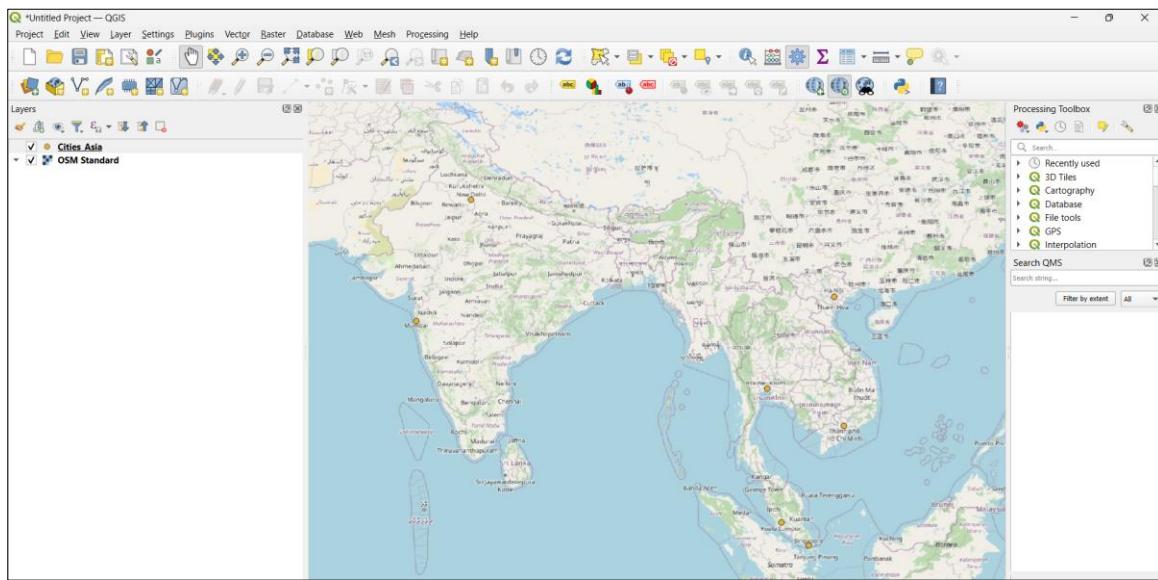
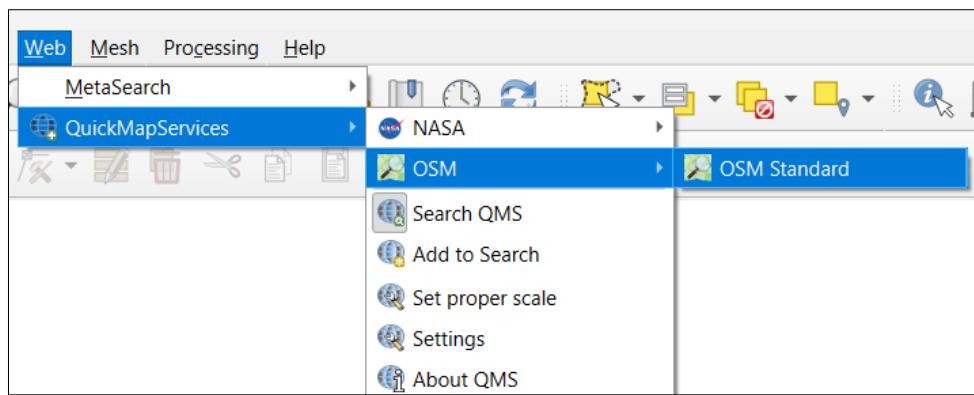


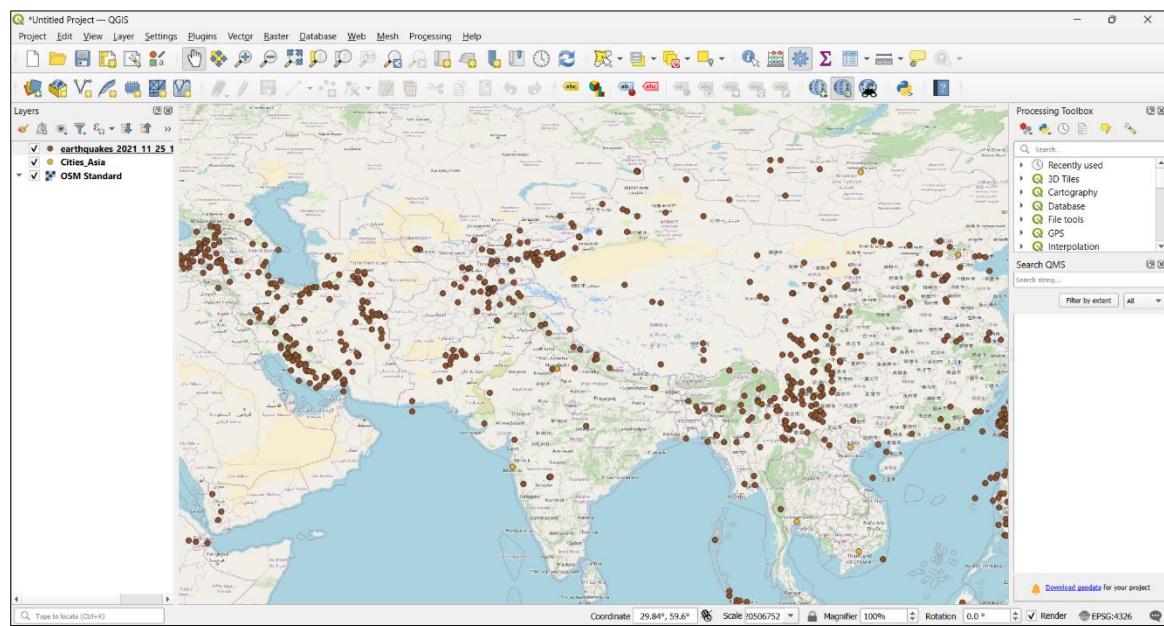


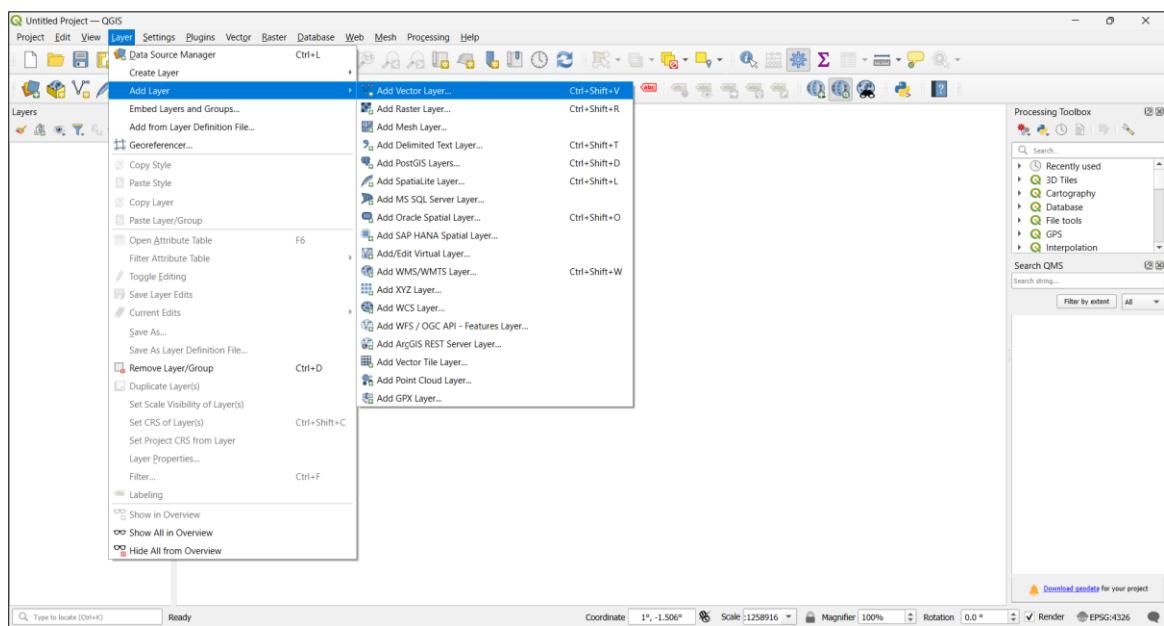


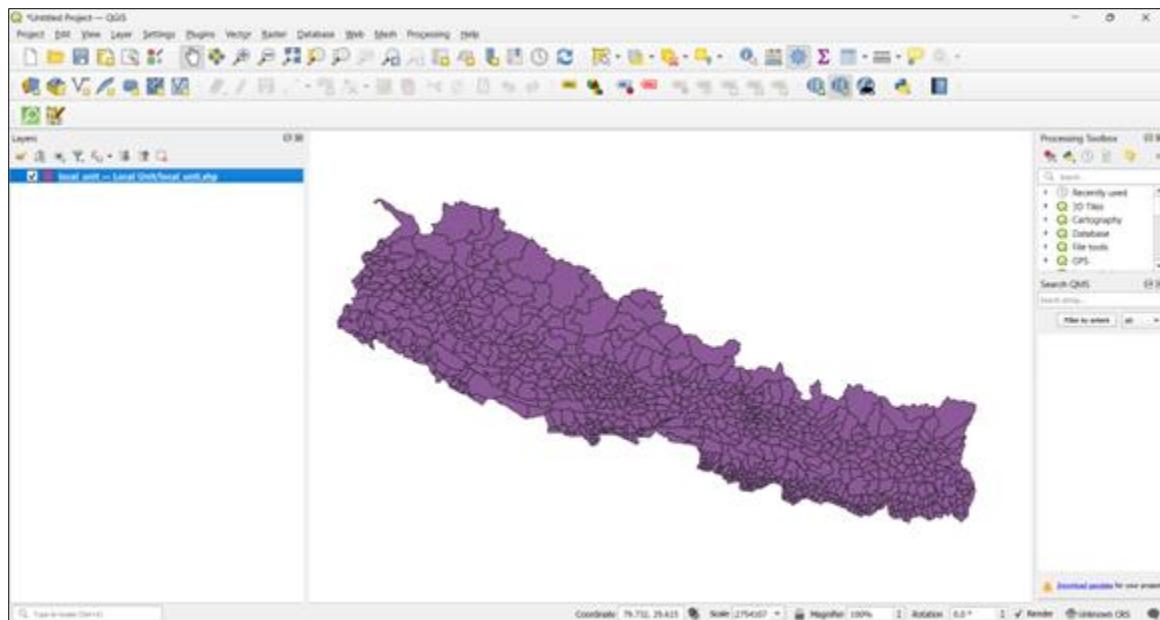
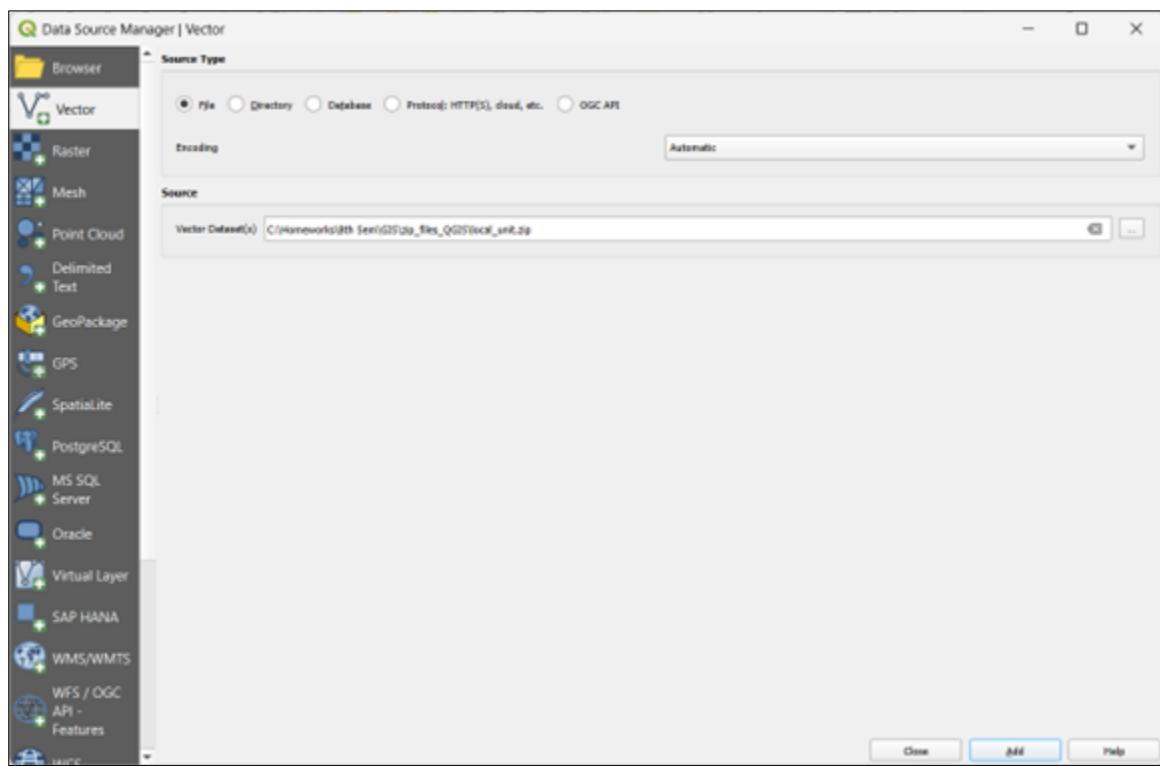


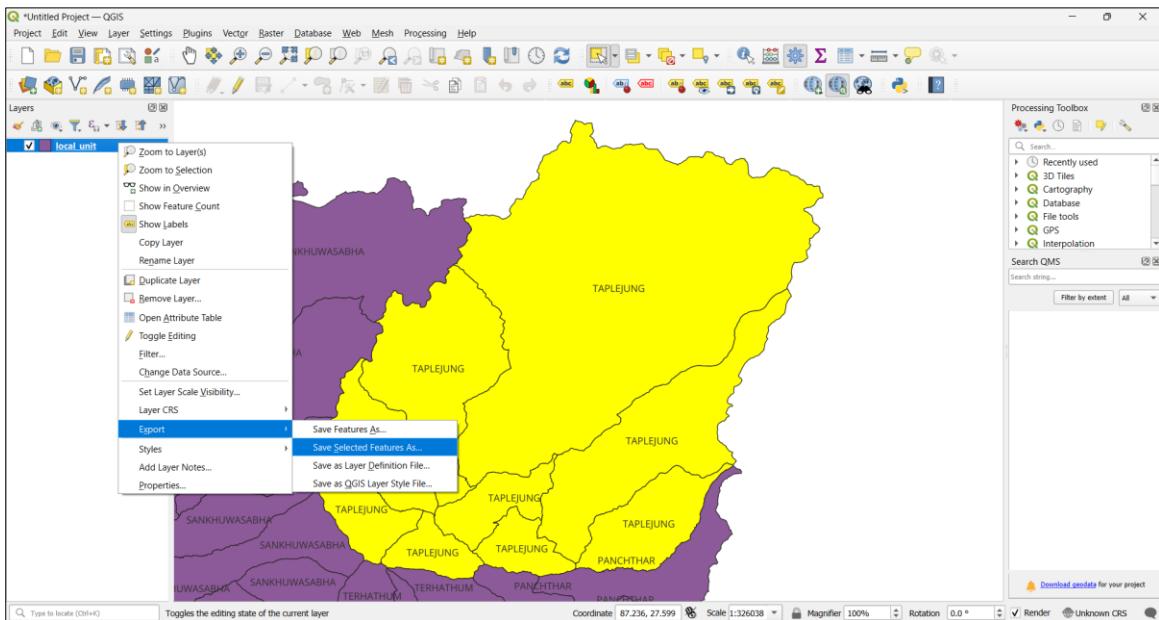
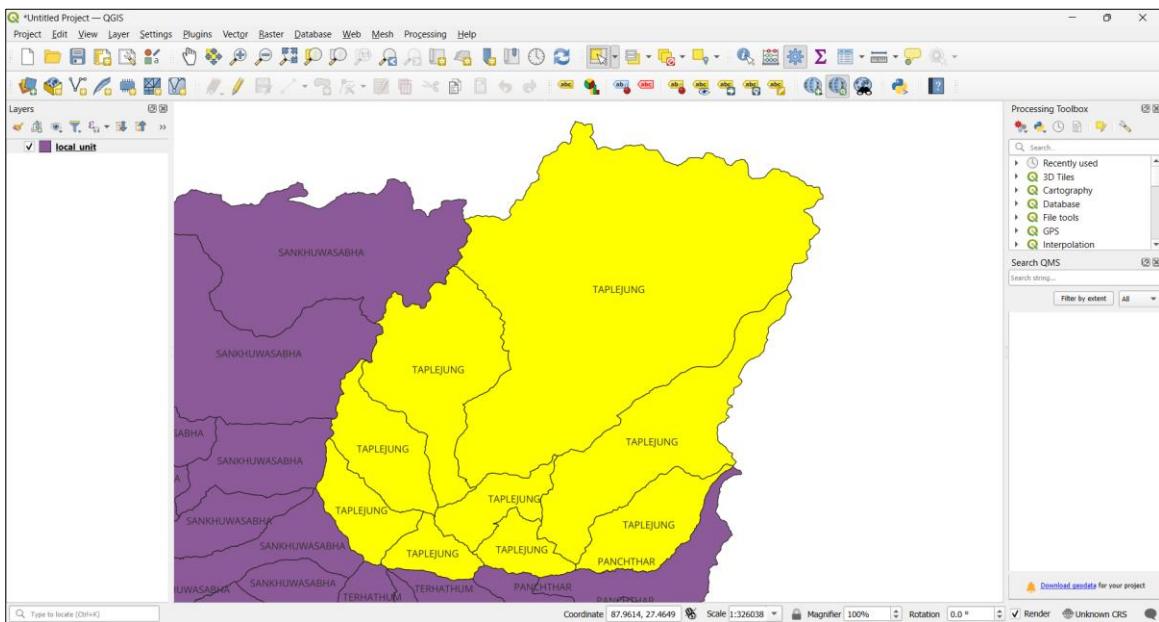
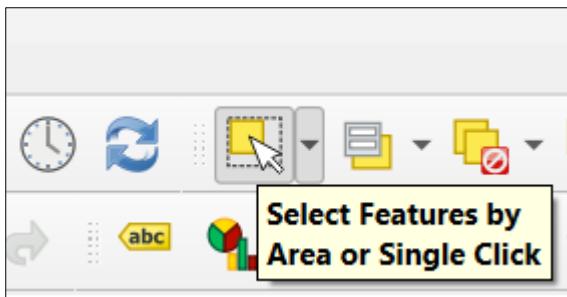


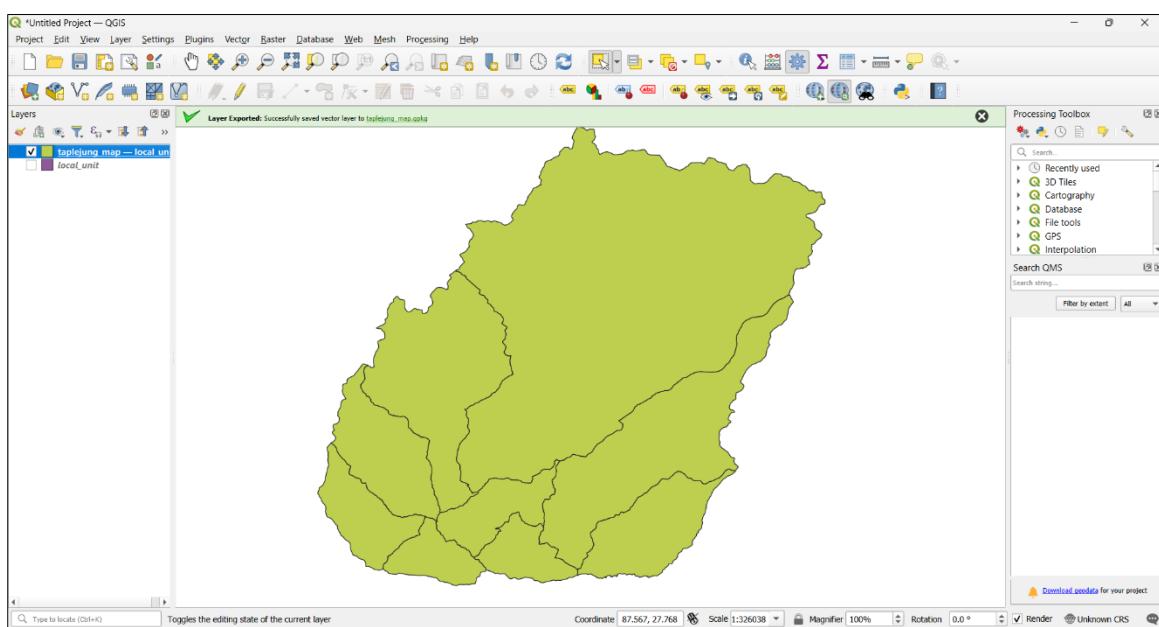
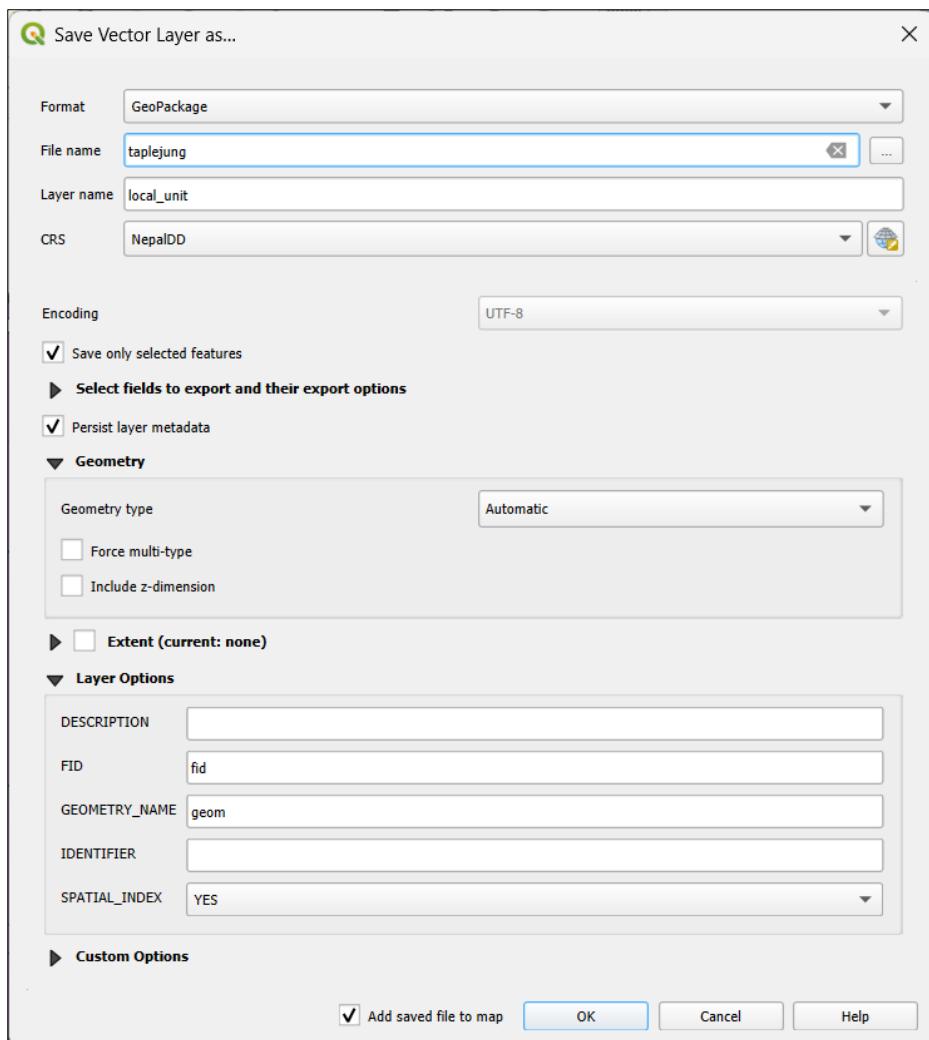


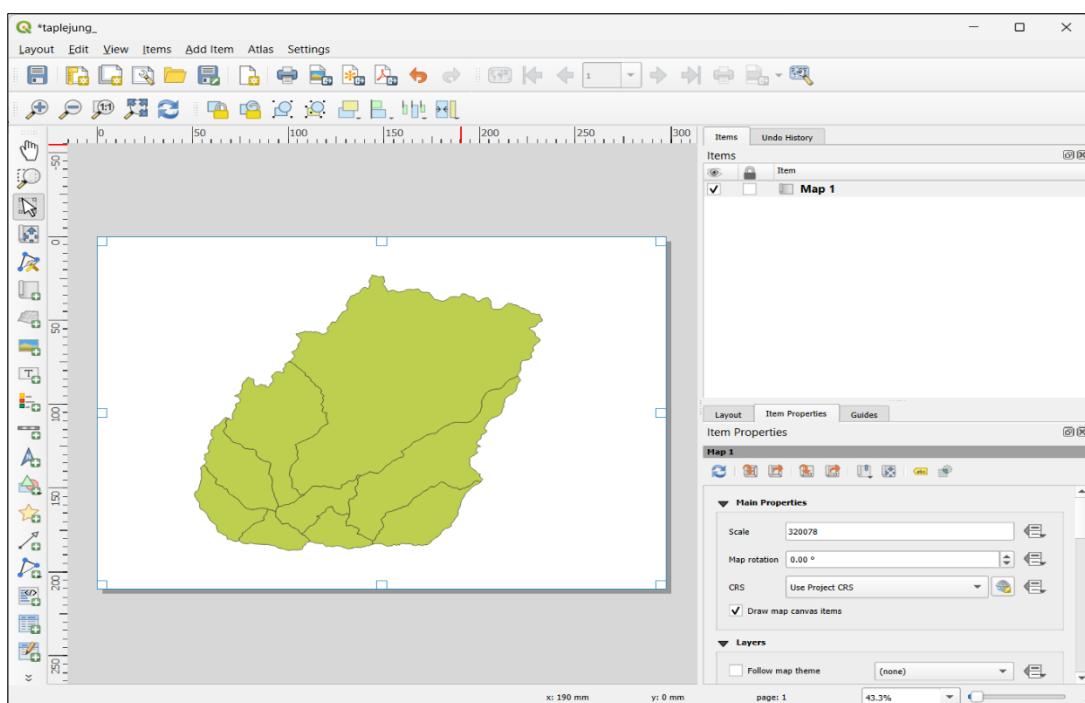
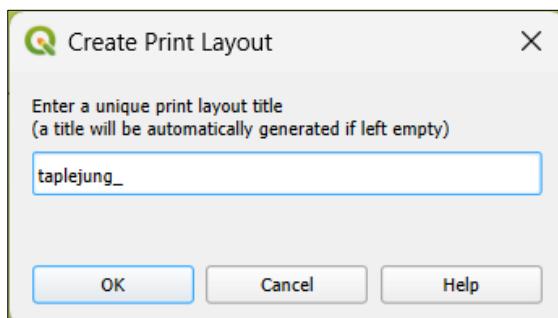
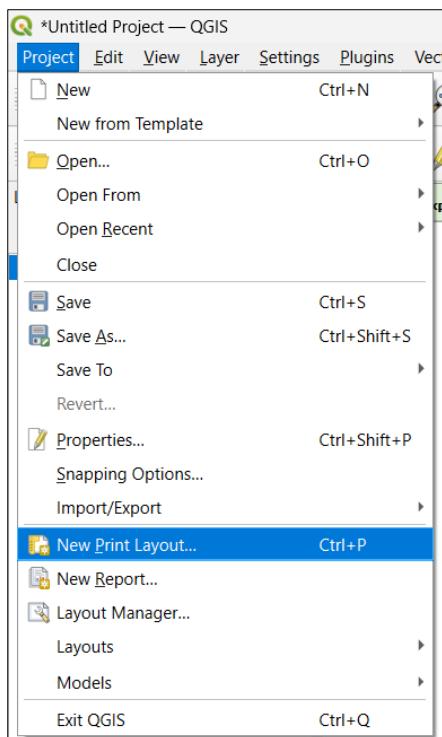


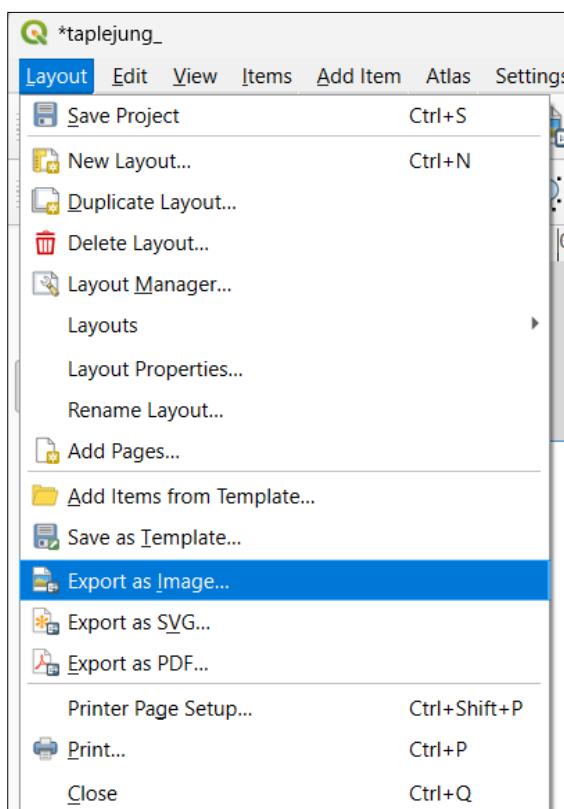
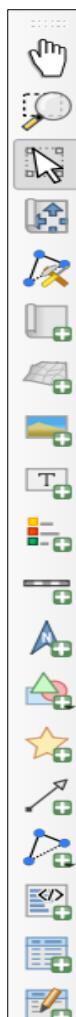










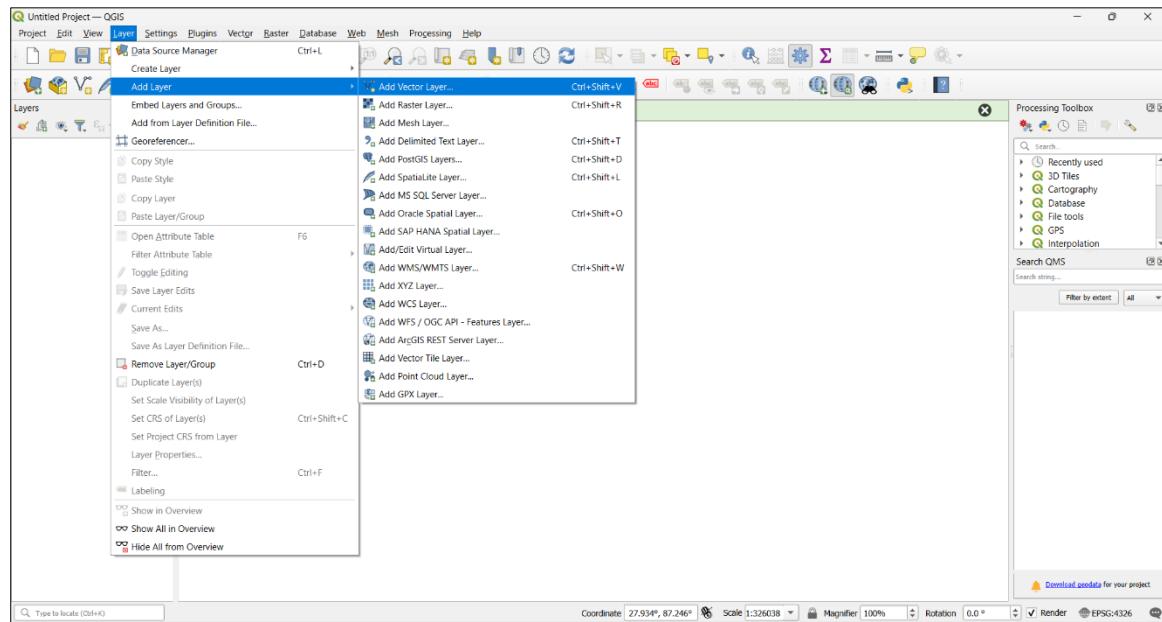


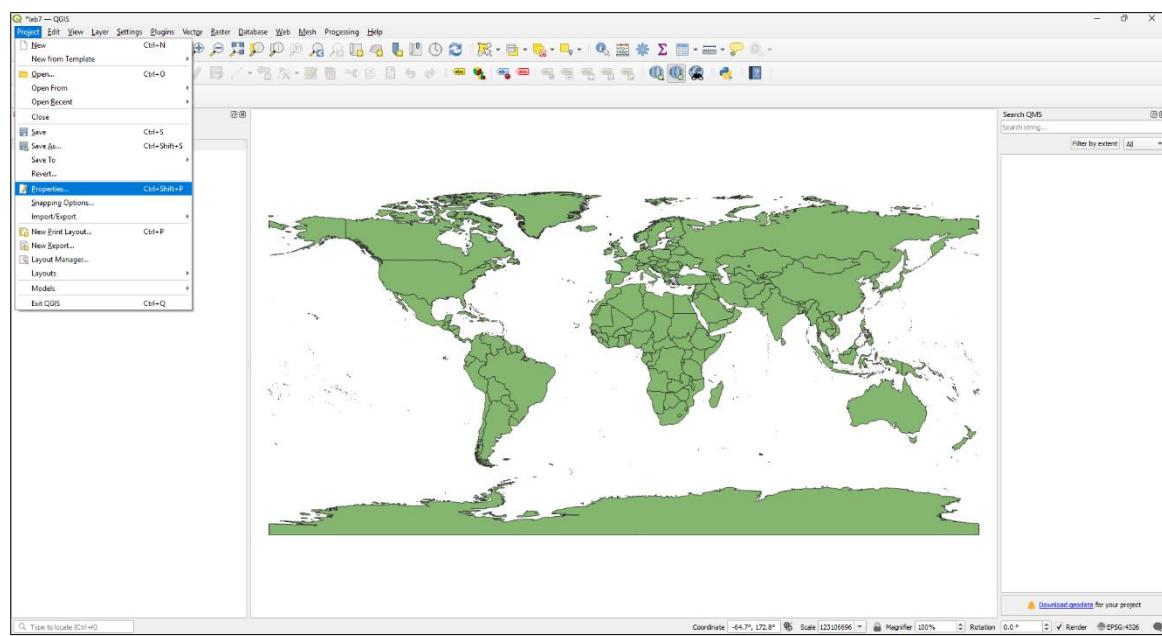
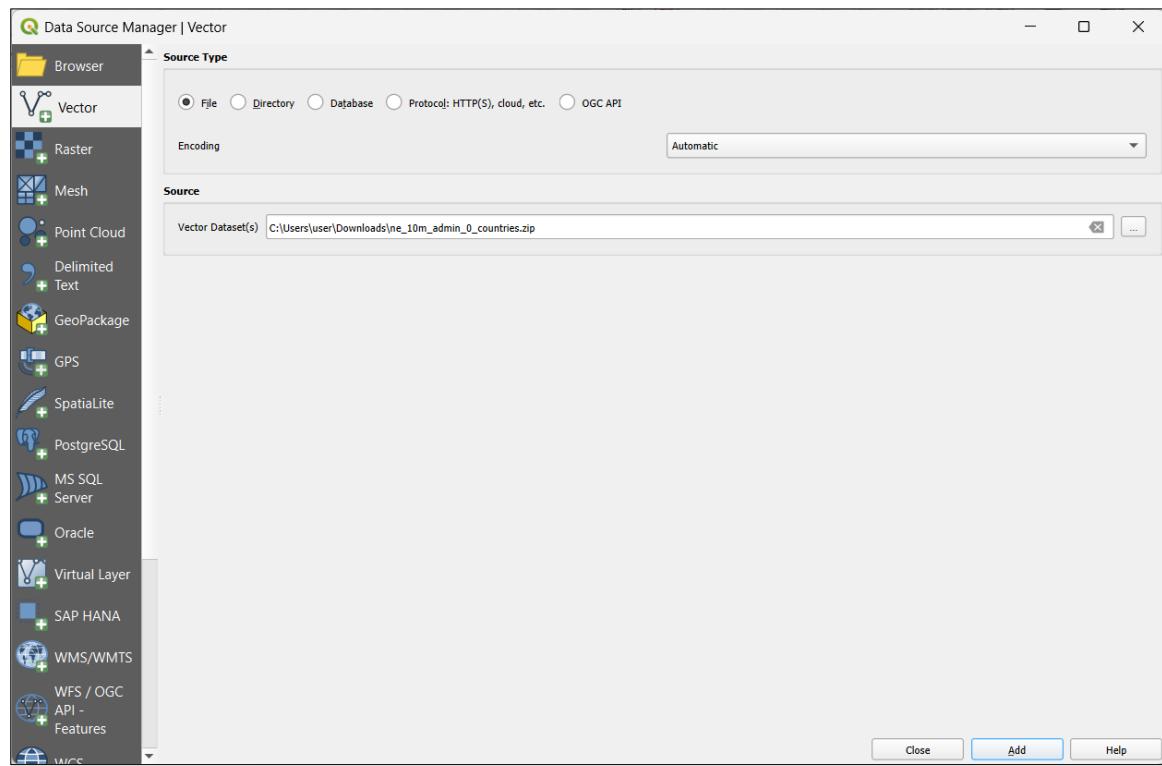
# Map of Taplejung

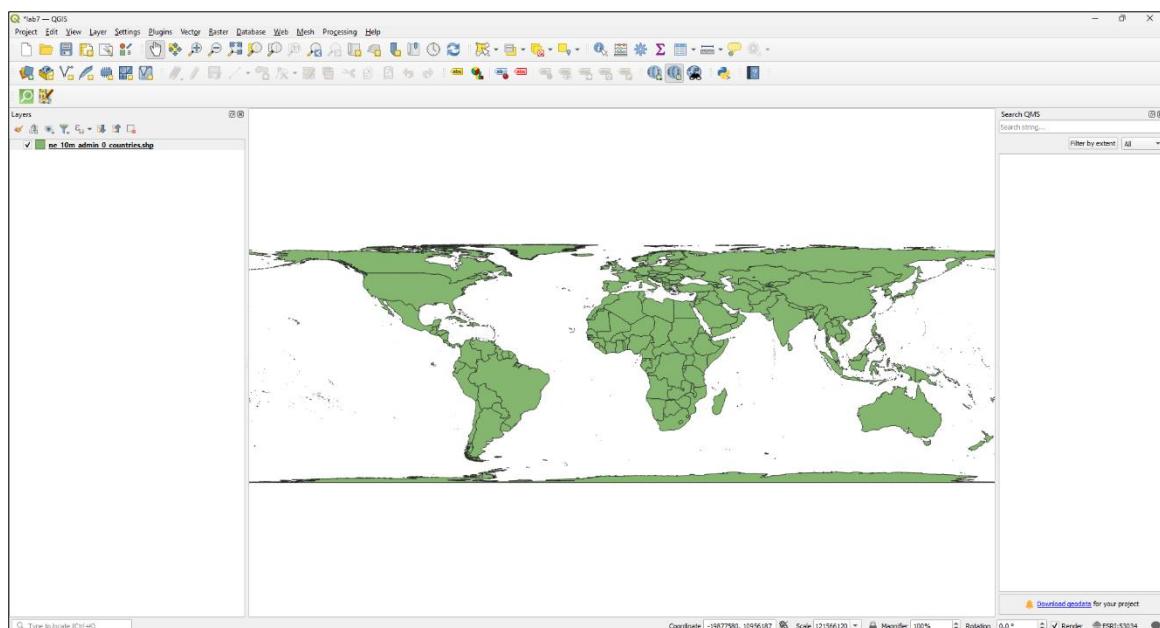
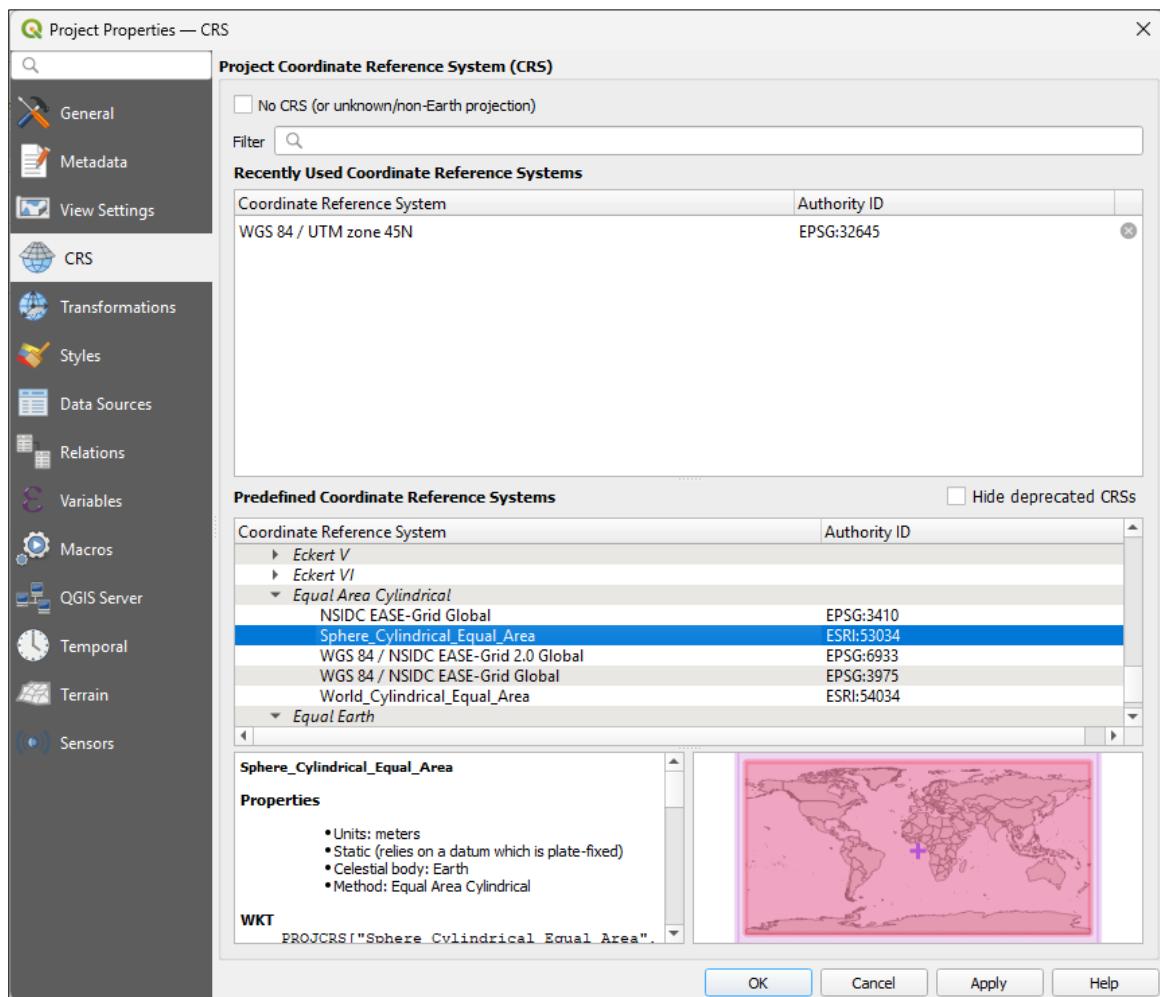


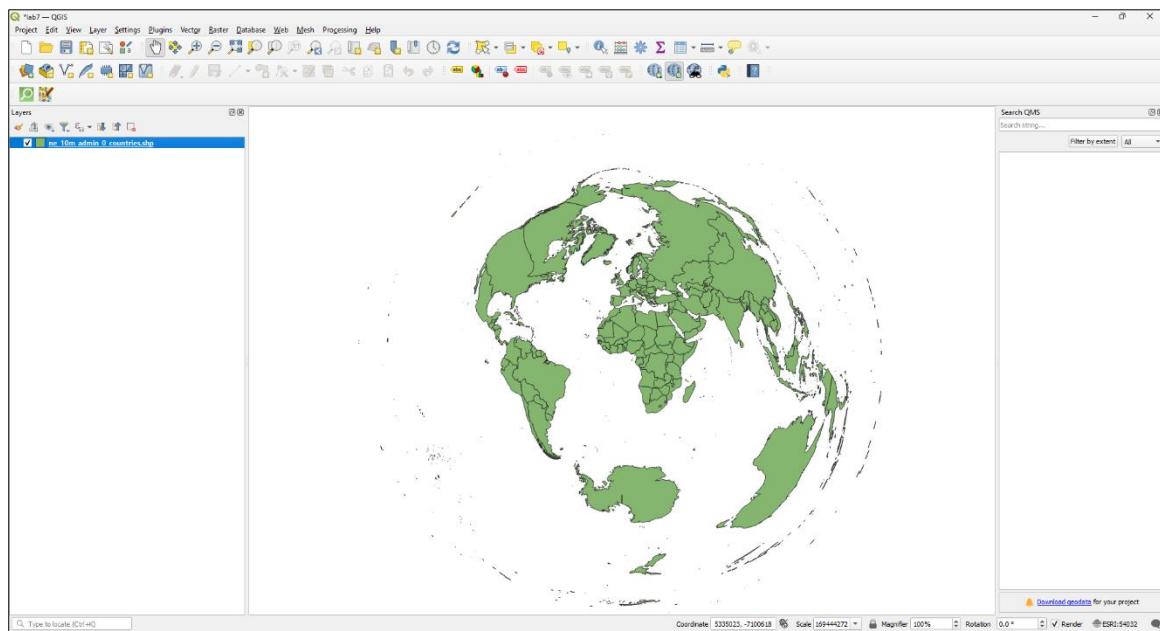
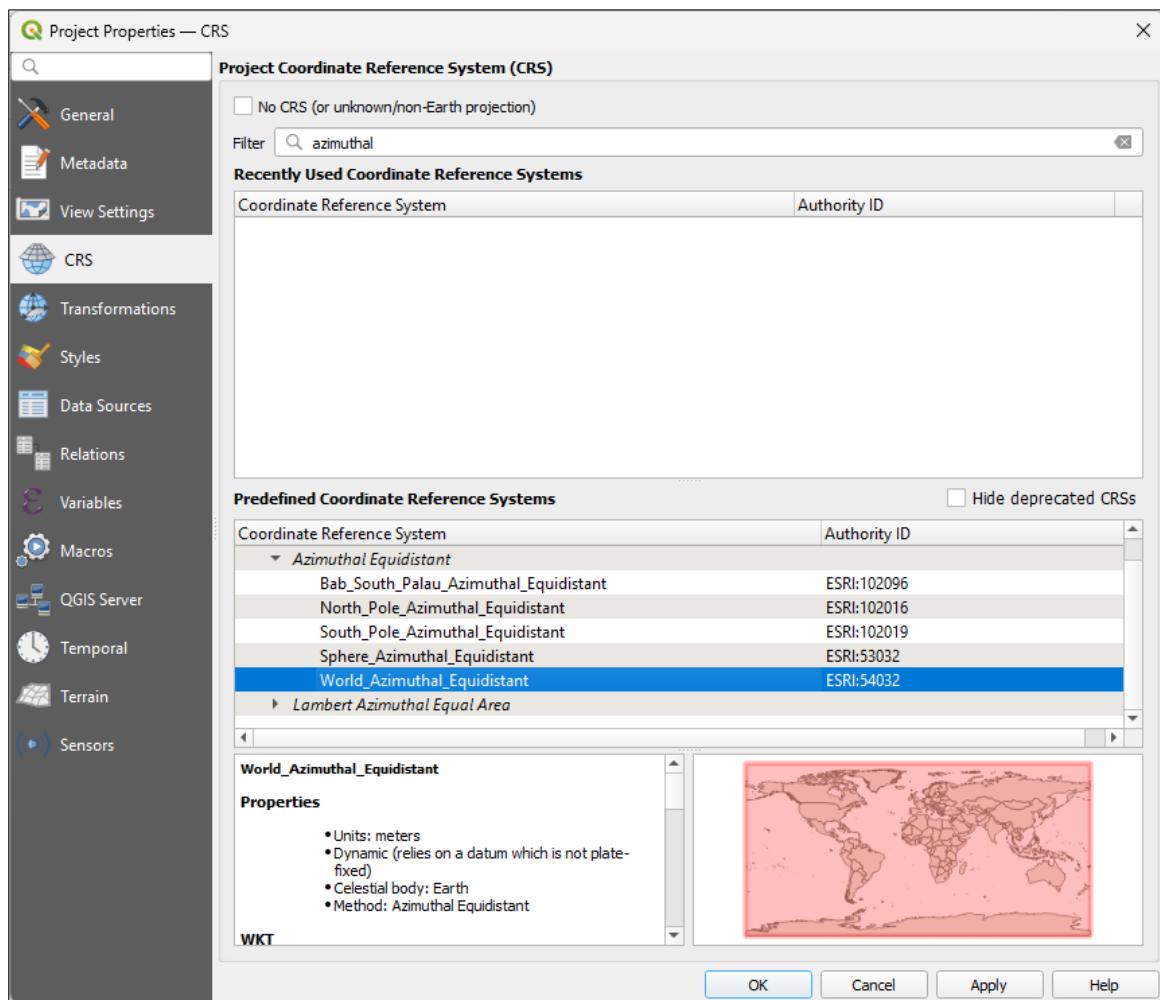
0 25 50 km

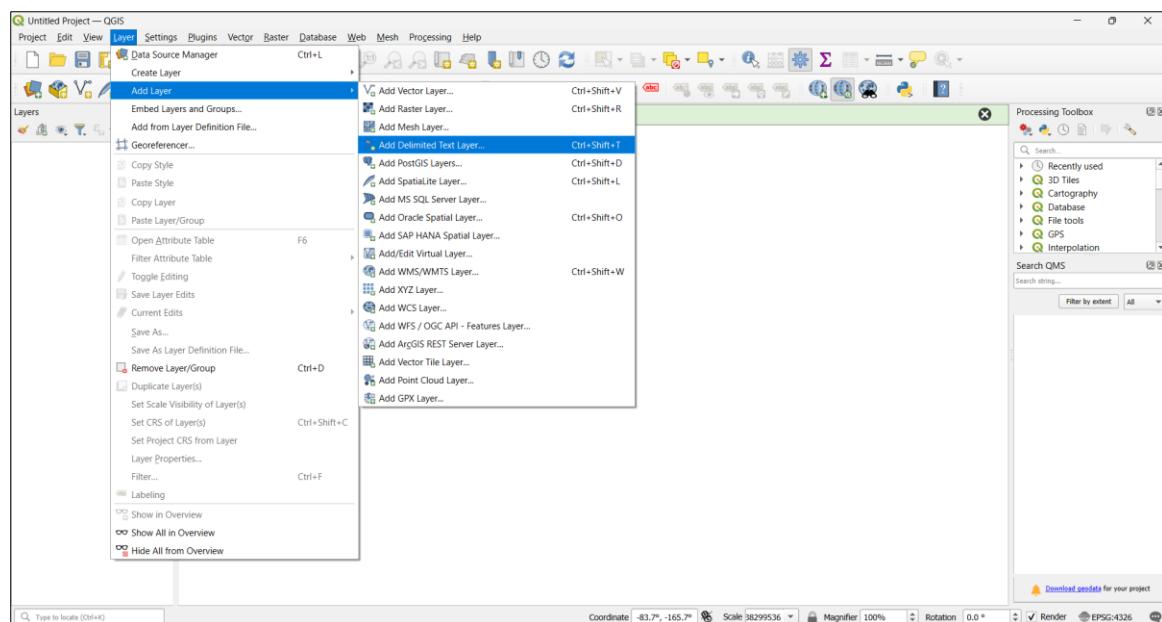
roads of taplejung — roadsshp  
taplejung — local\_unit

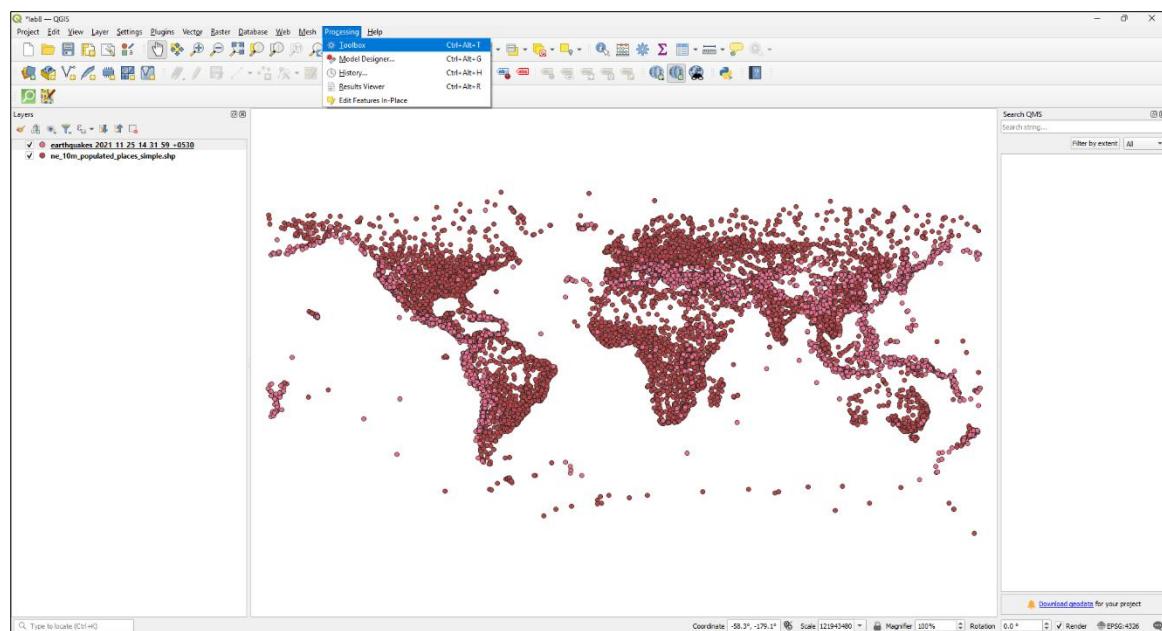
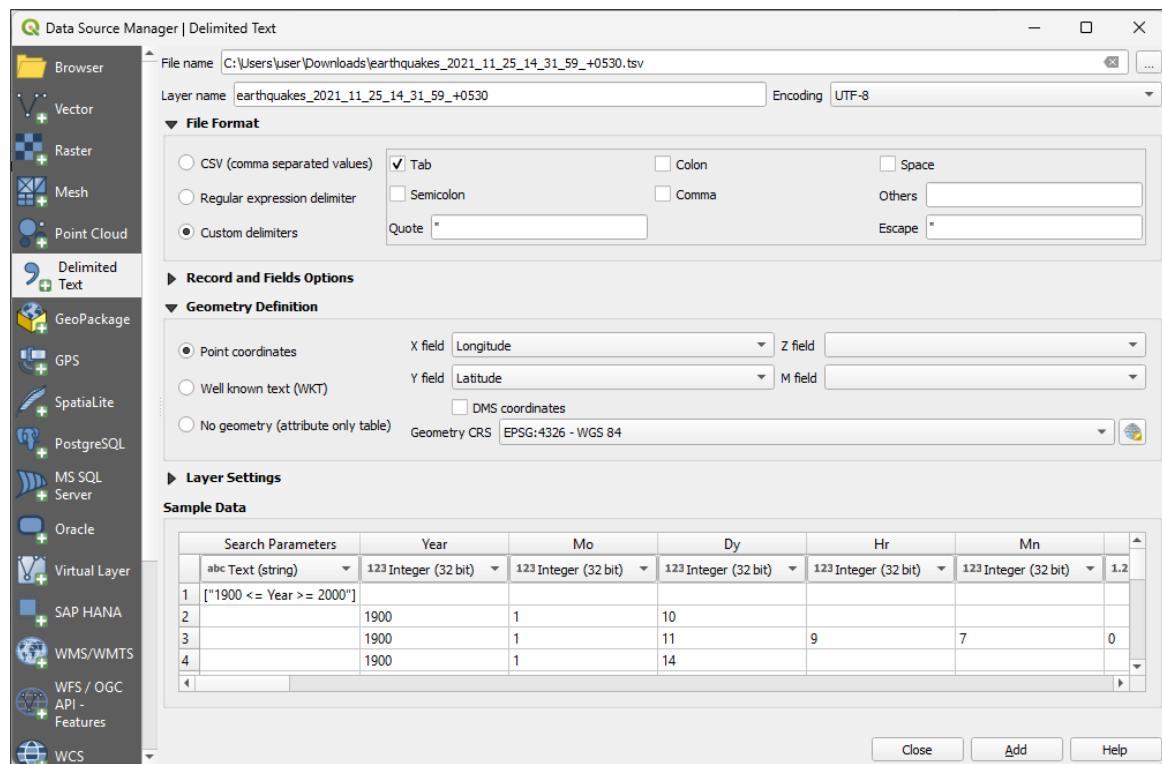


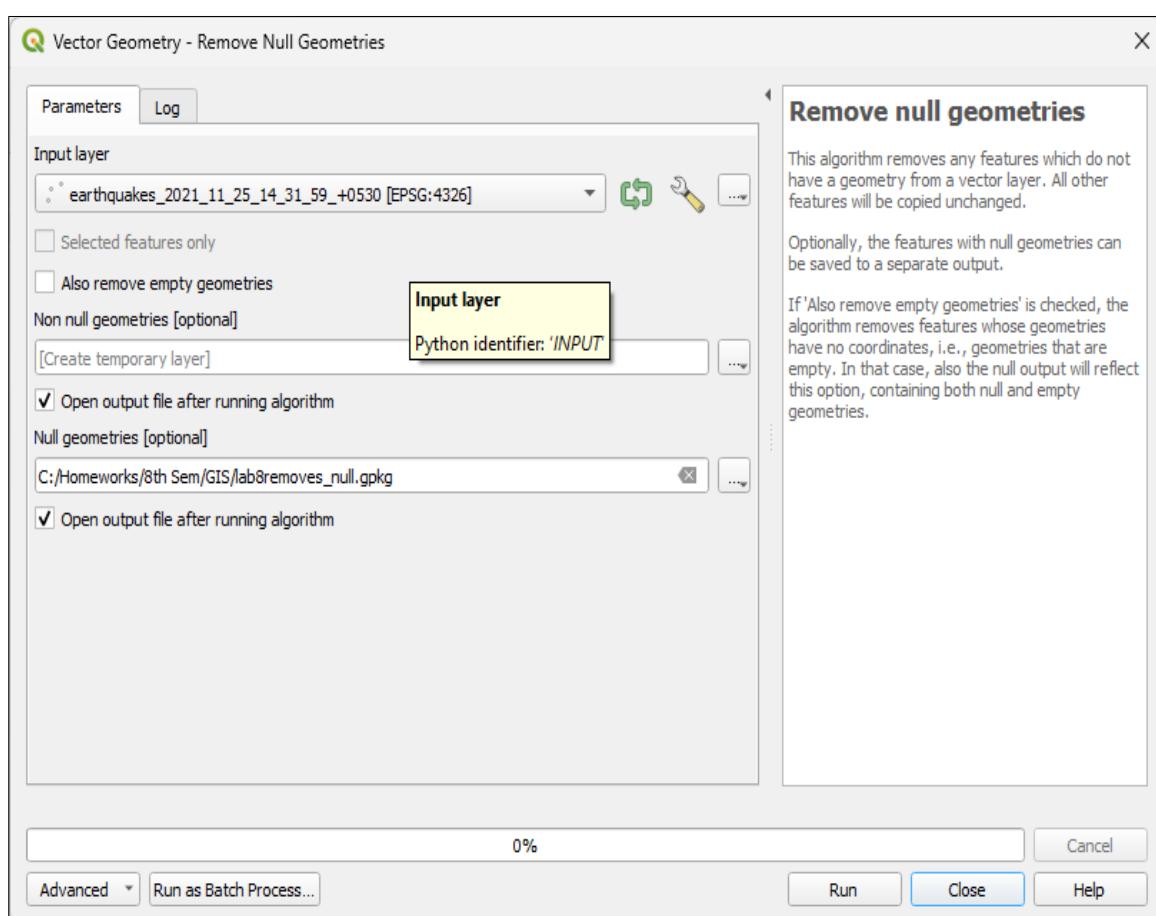
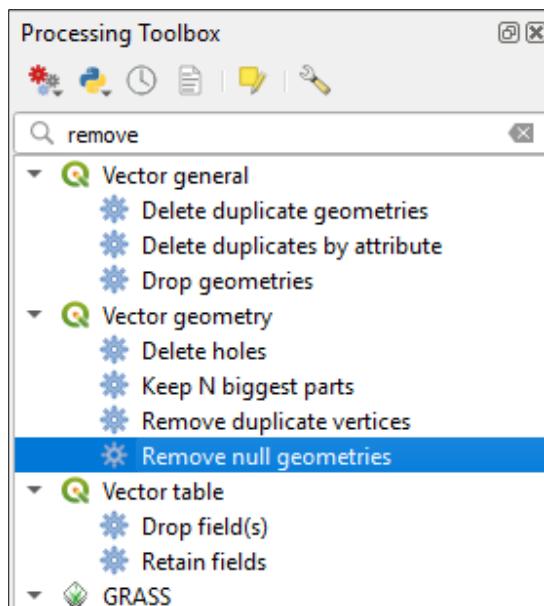


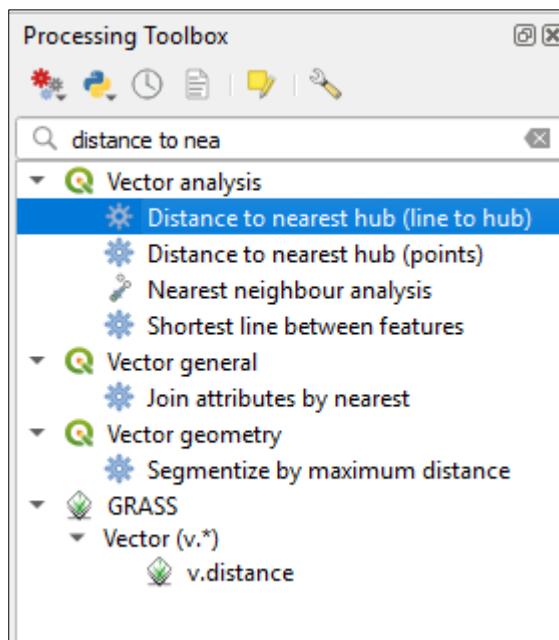
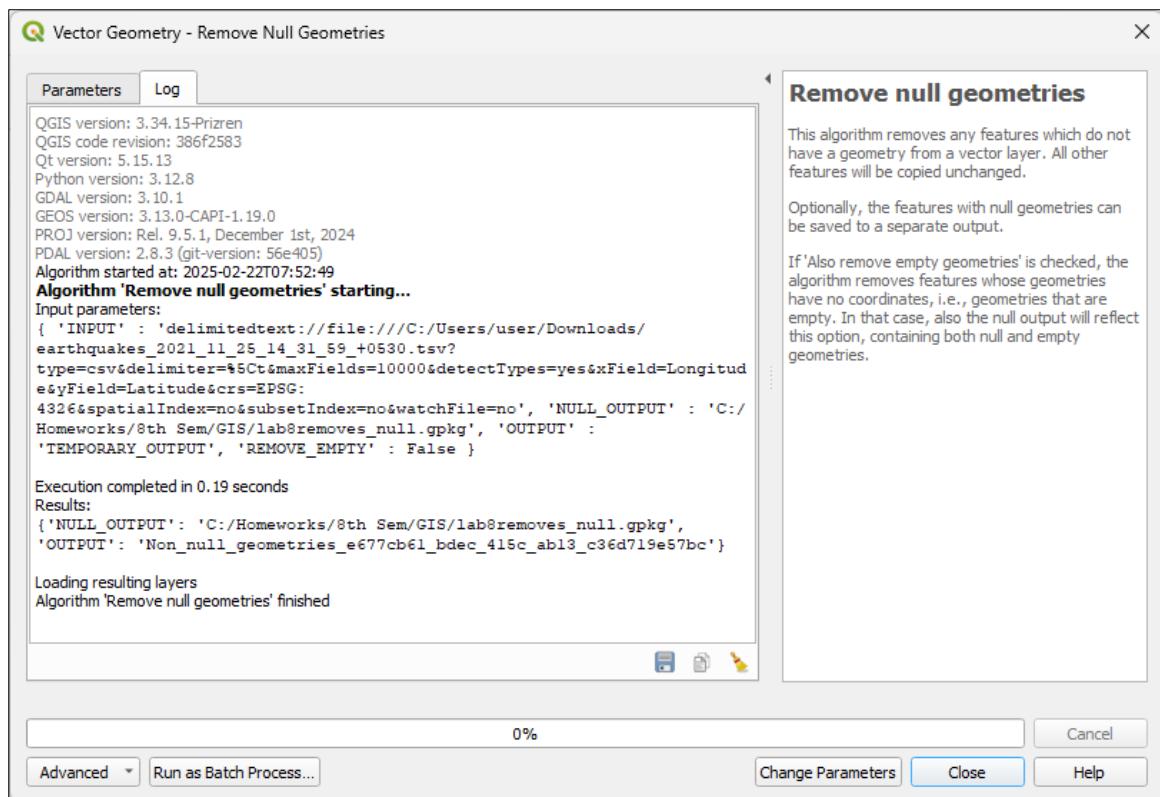


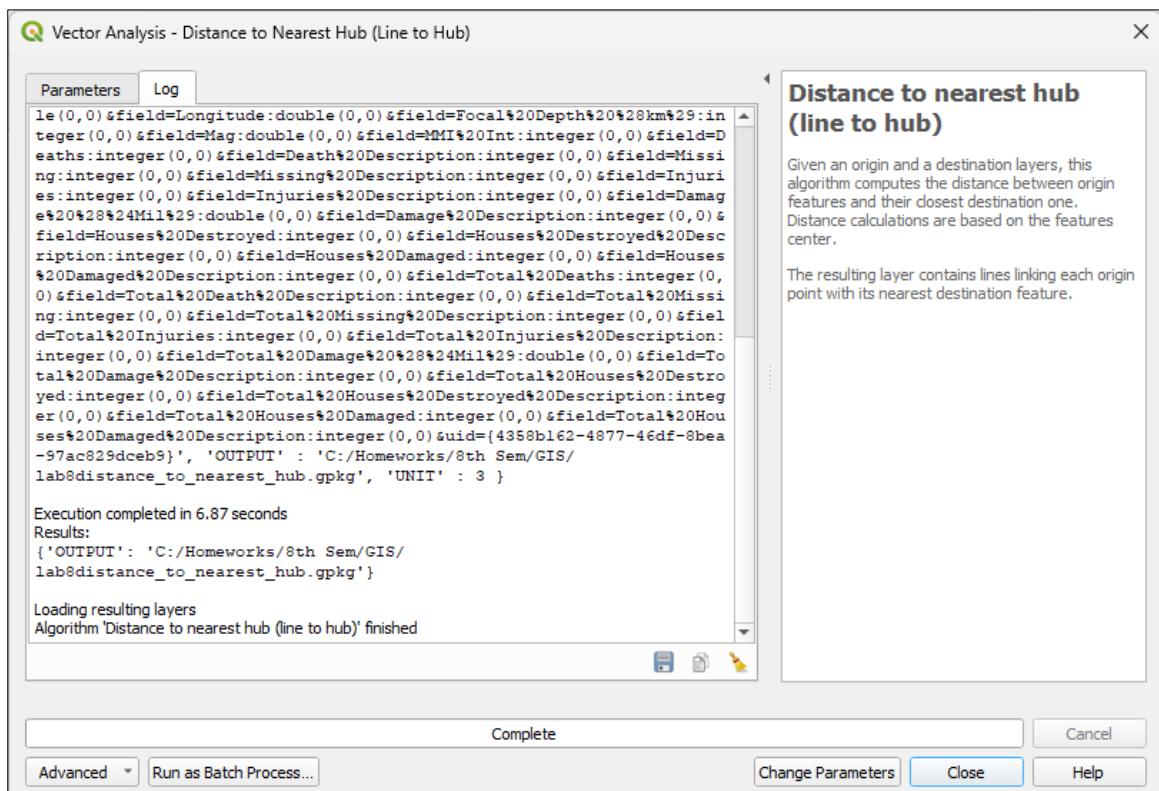
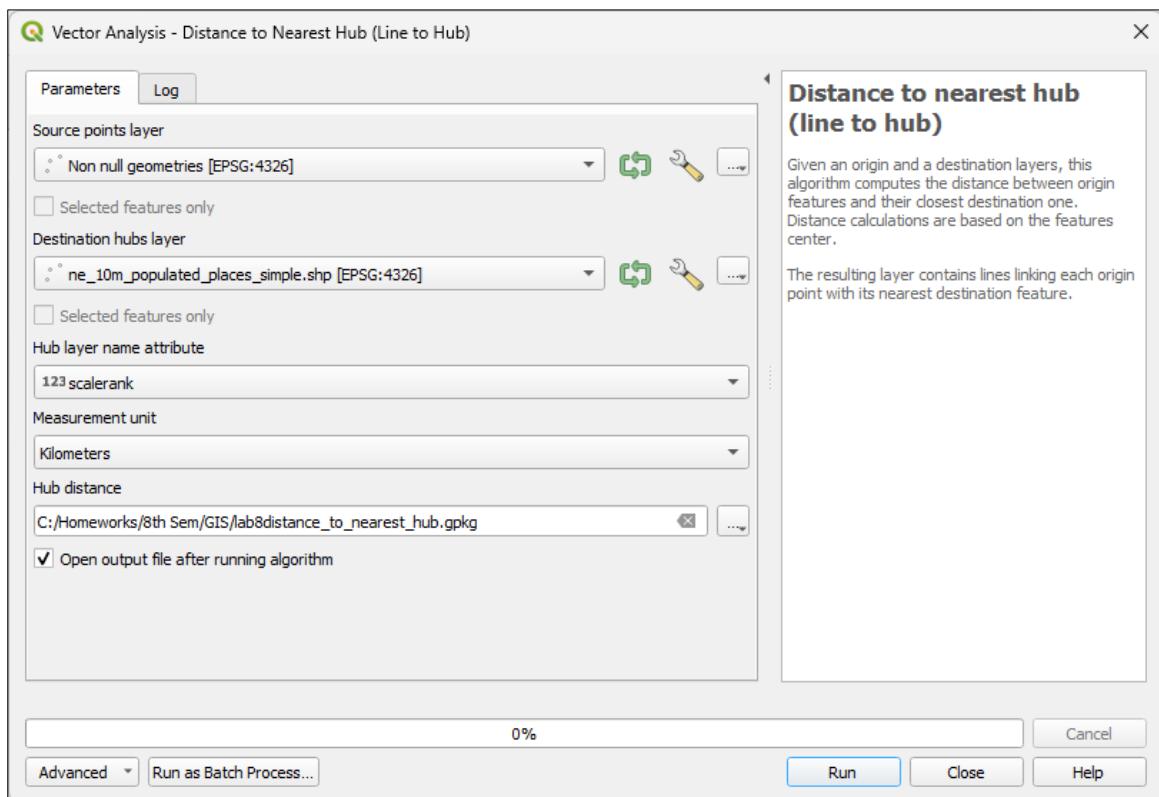


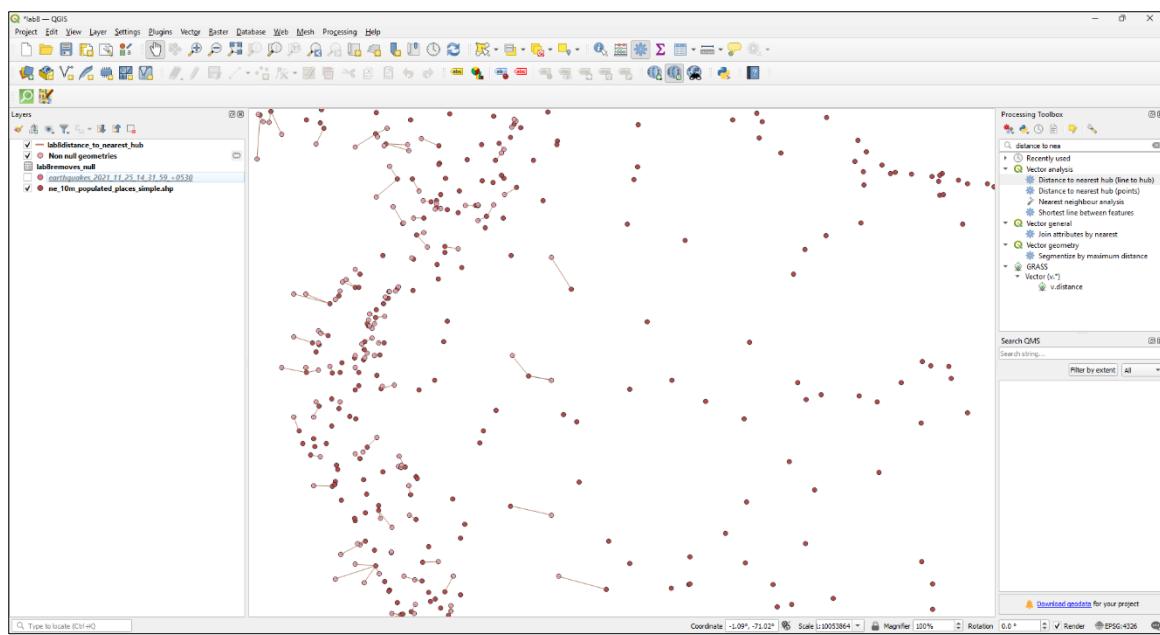


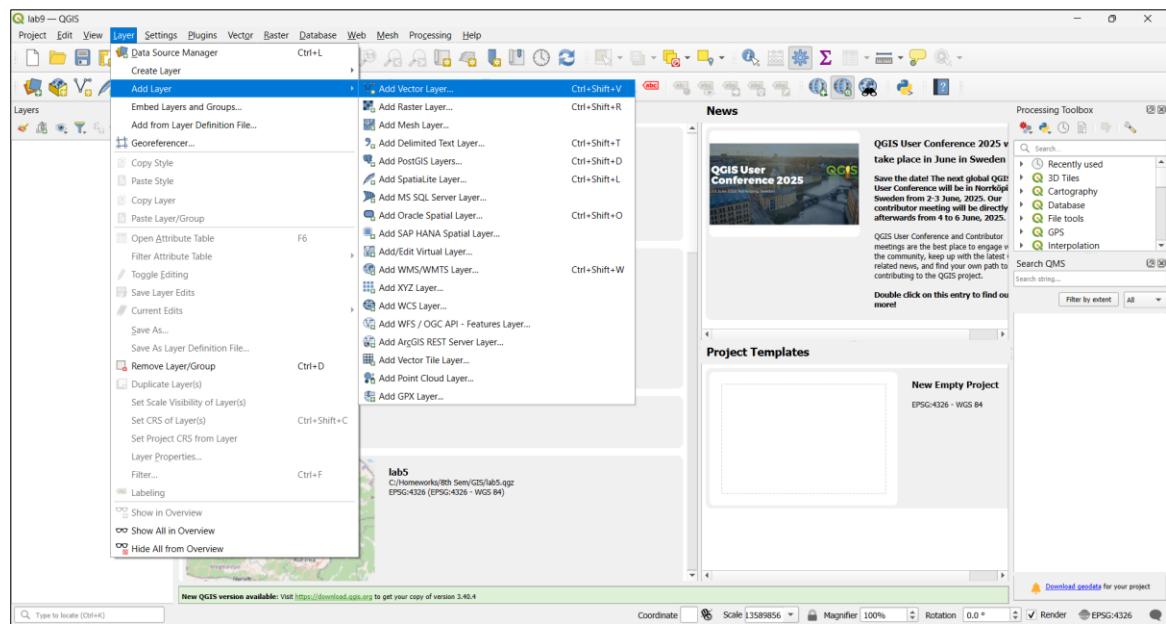


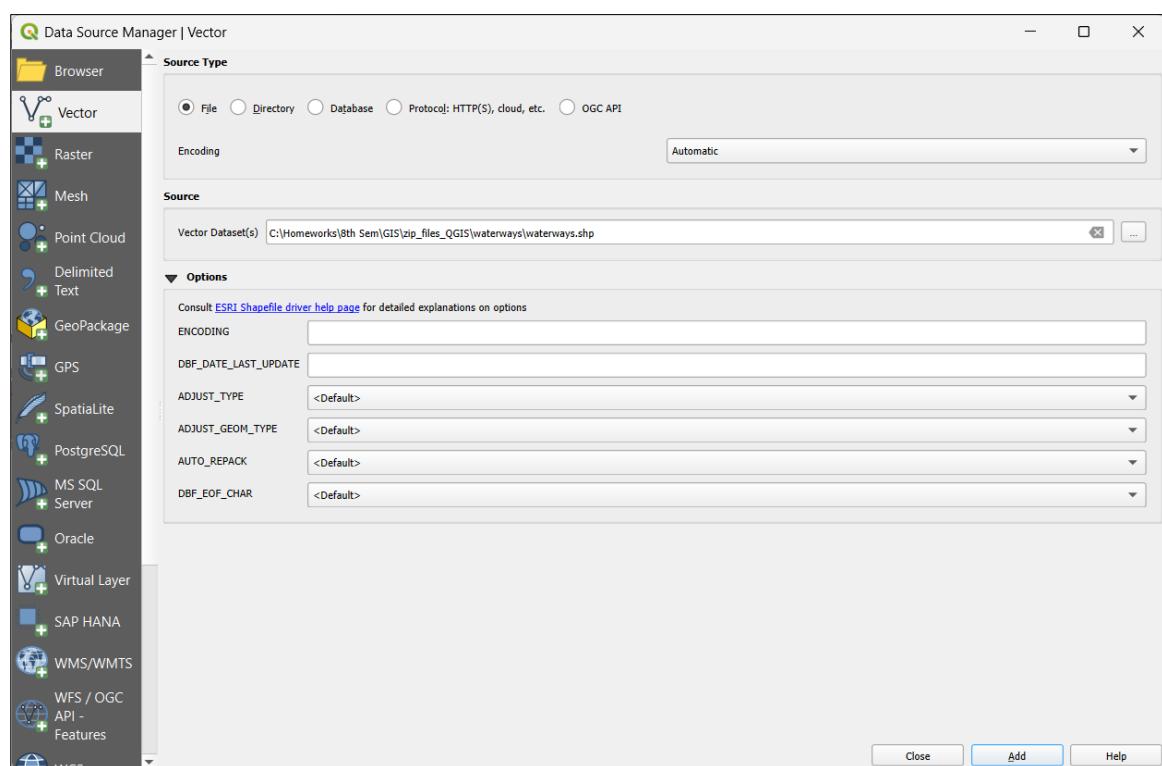
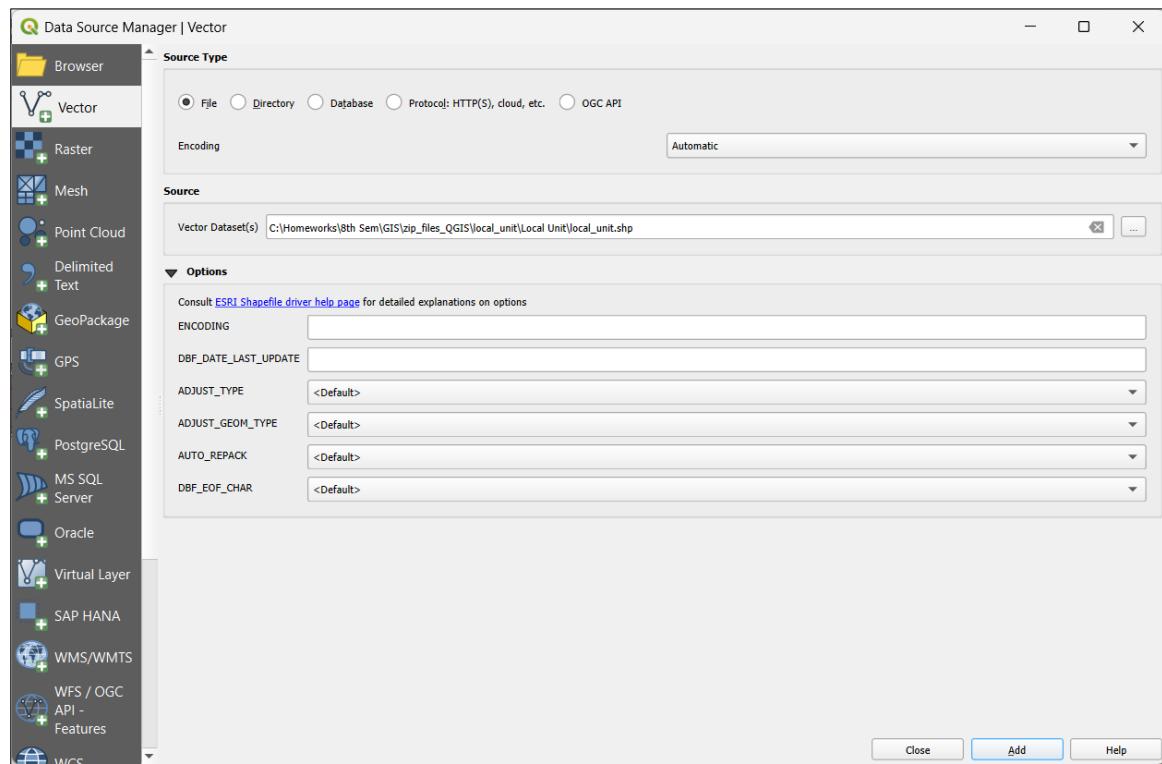


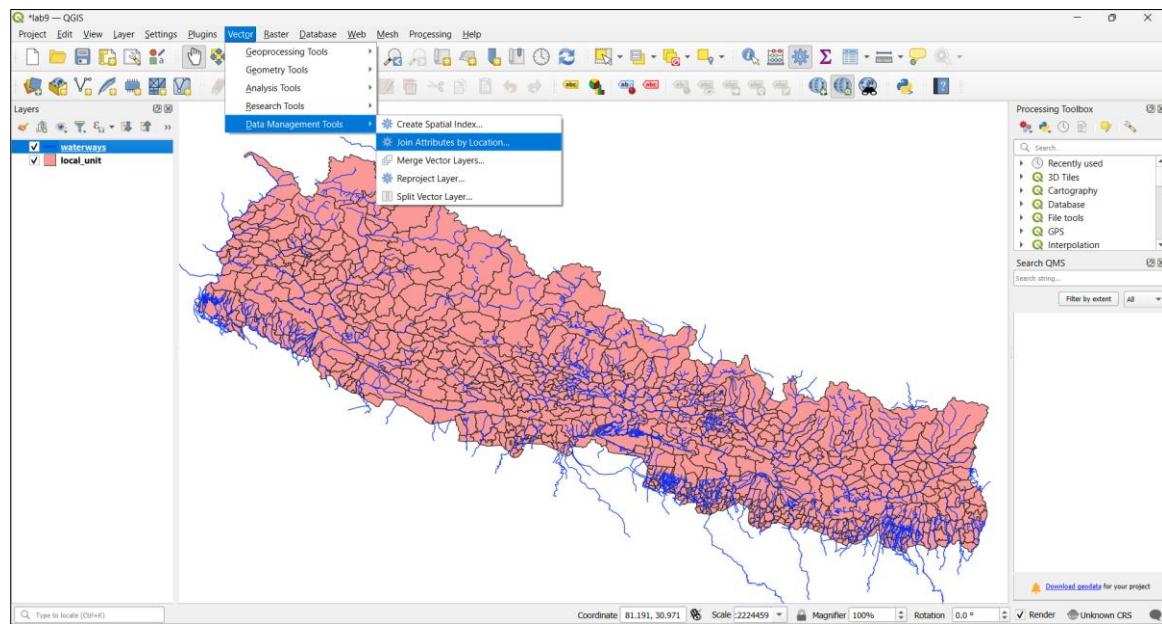
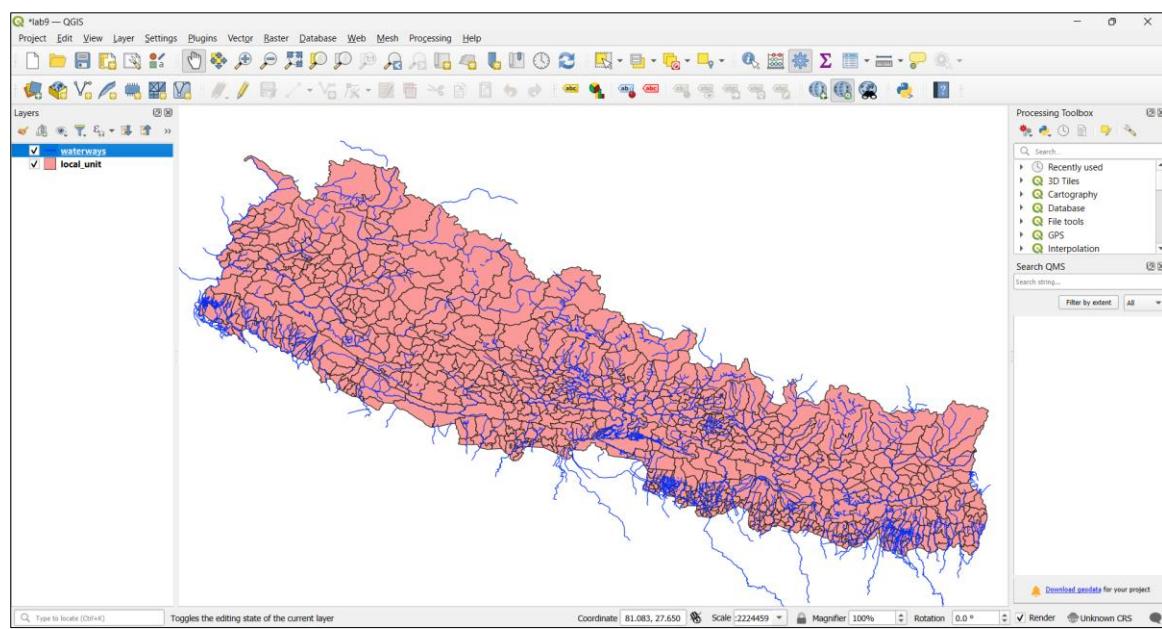


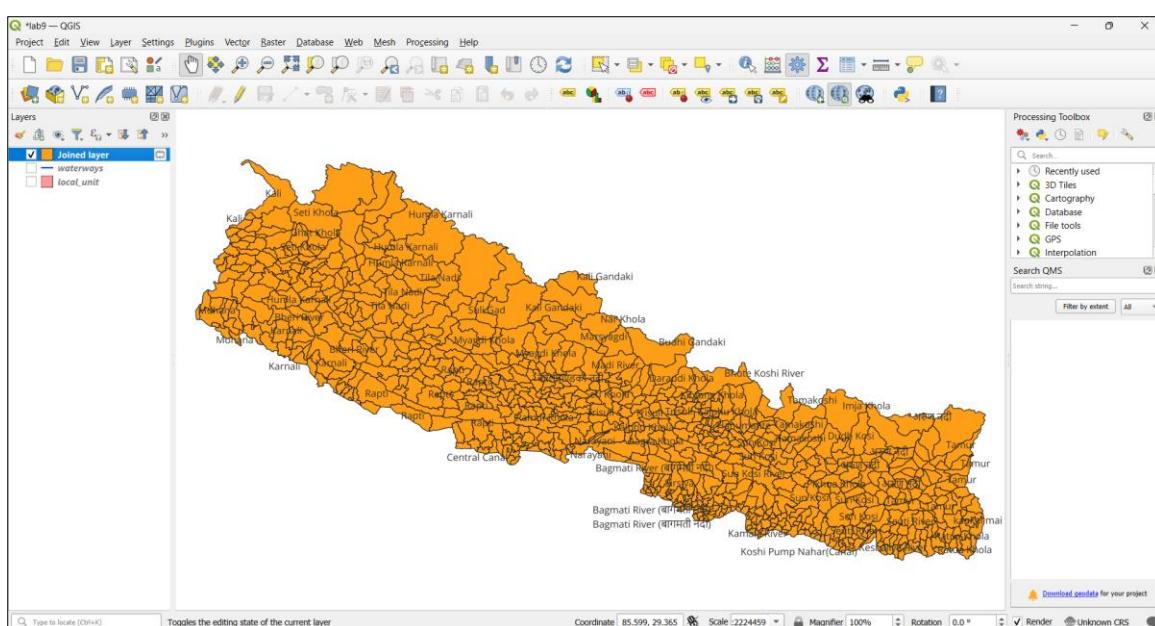
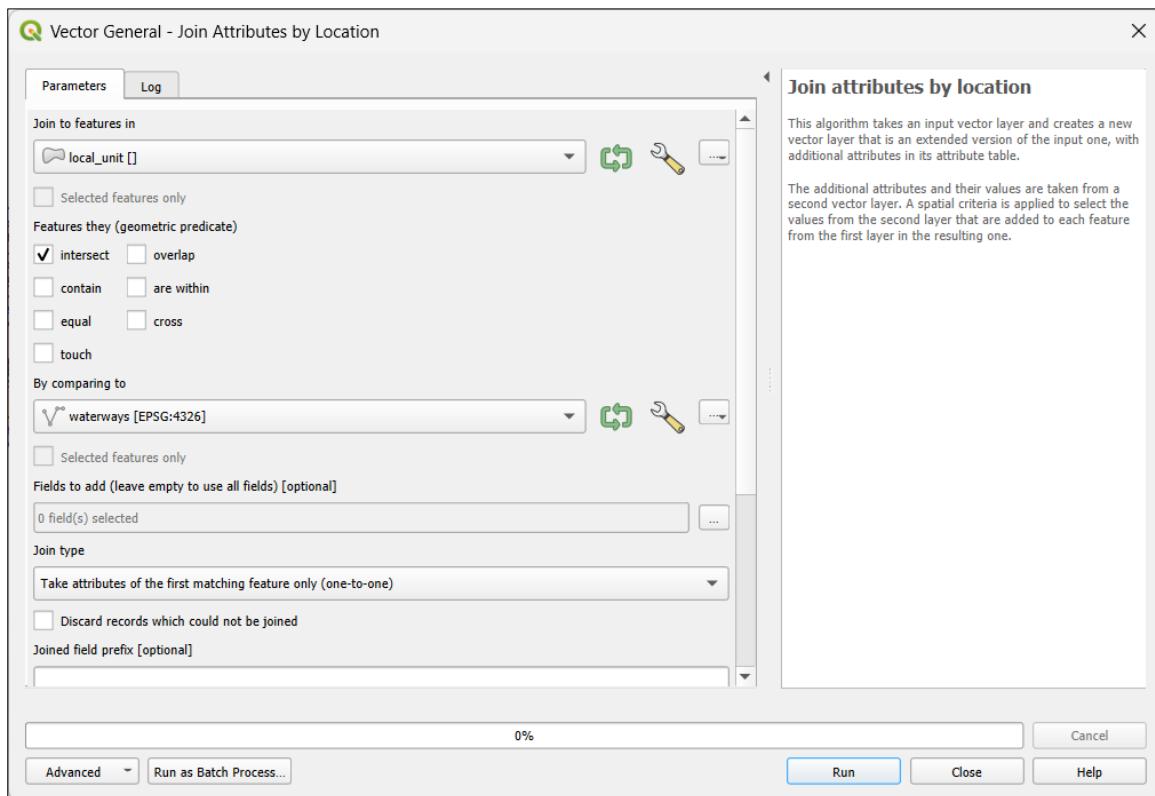












Joined layer — Features Total: 777, Filtered: 777, Selected: 0

	STATE_CODE	DISTRICT	GaPa_NaPa	Type_GN	Province	osm_id	name	type	width
1	1	TAPLEJUNG	Aathrai Tribeni	Gaunpalika	1	27915414	NULL	stream	NULL
2	1	TAPLEJUNG	Maiwakhola	Gaunpalika	1	27915407	NULL	stream	NULL
3	1	TAPLEJUNG	Meringden	Gaunpalika	1	27915407	NULL	stream	NULL
4	1	TAPLEJUNG	Mikwakhola	Gaunpalika	1	27915439	NULL	river	NULL
5	1	TAPLEJUNG	Phaktanglung	Gaunpalika	1	27915466	NULL	river	NULL
6	1	TAPLEJUNG	Phungling	Nagarpalika	1	148020905	Tamor River	river	NULL
7	1	TAPLEJUNG	Sidingba	Gaunpalika	1	27915510	Tamur	river	NULL
8	1	TAPLEJUNG	Sirijangha	Gaunpalika	1	27915510	Tamur	river	NULL
9	1	TAPLEJUNG	Pathibhara Yan...	Gaunpalika	1	27915510	Tamur	river	NULL
10	1	PANCHTHAR	Falelung	Gaunpalika	1	247995528	NULL	stream	NULL
11	1	PANCHTHAR	Falgunanda	Gaunpalika	1	NULL	NULL	NULL	NULL

Data Source Manager | Delimited Text

File name: C:\Users\user\Downloads\earthquakes\_2021\_11\_25\_14\_31\_59\_+0530.tsv  
 Layer name: earthquakes\_2021\_11\_25\_14\_31\_59\_+0530  
 Encoding: UTF-8

**File Format**

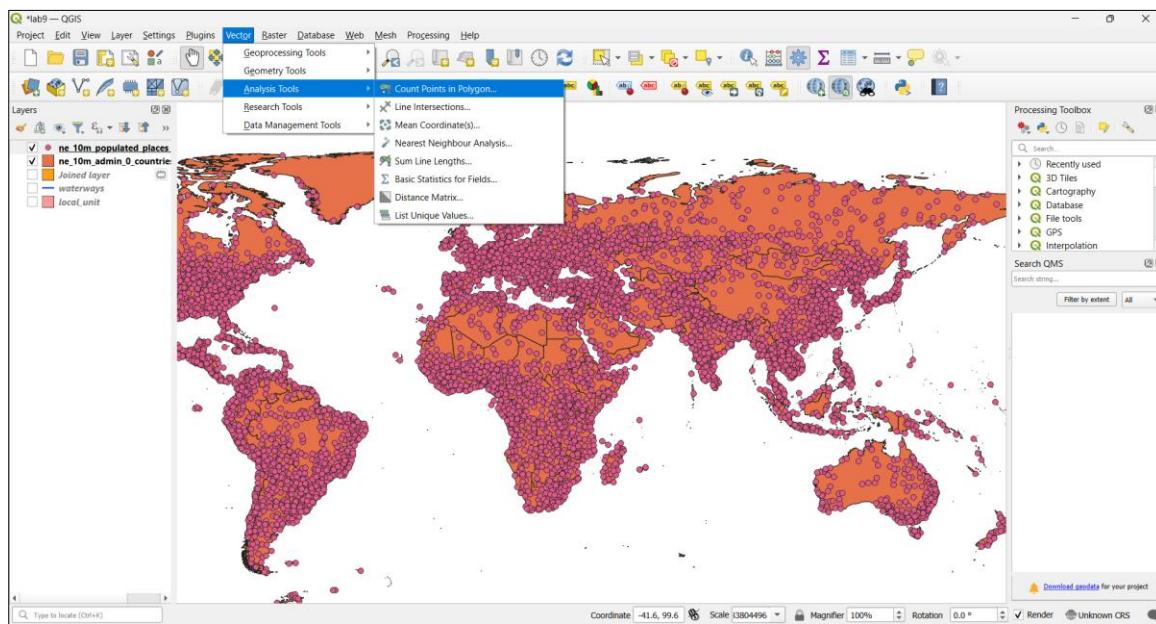
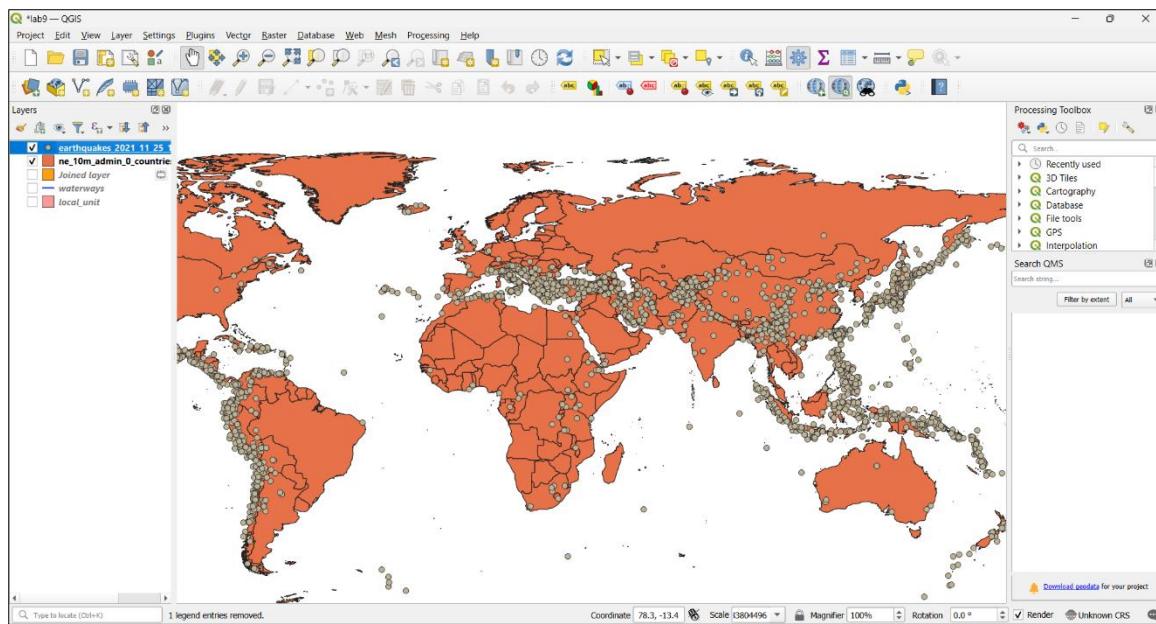
- CSV (comma separated values)  Tab  Colon  Space
- Regular expression delimiter  Semicolon  Comma  Others
- Custom delimiters

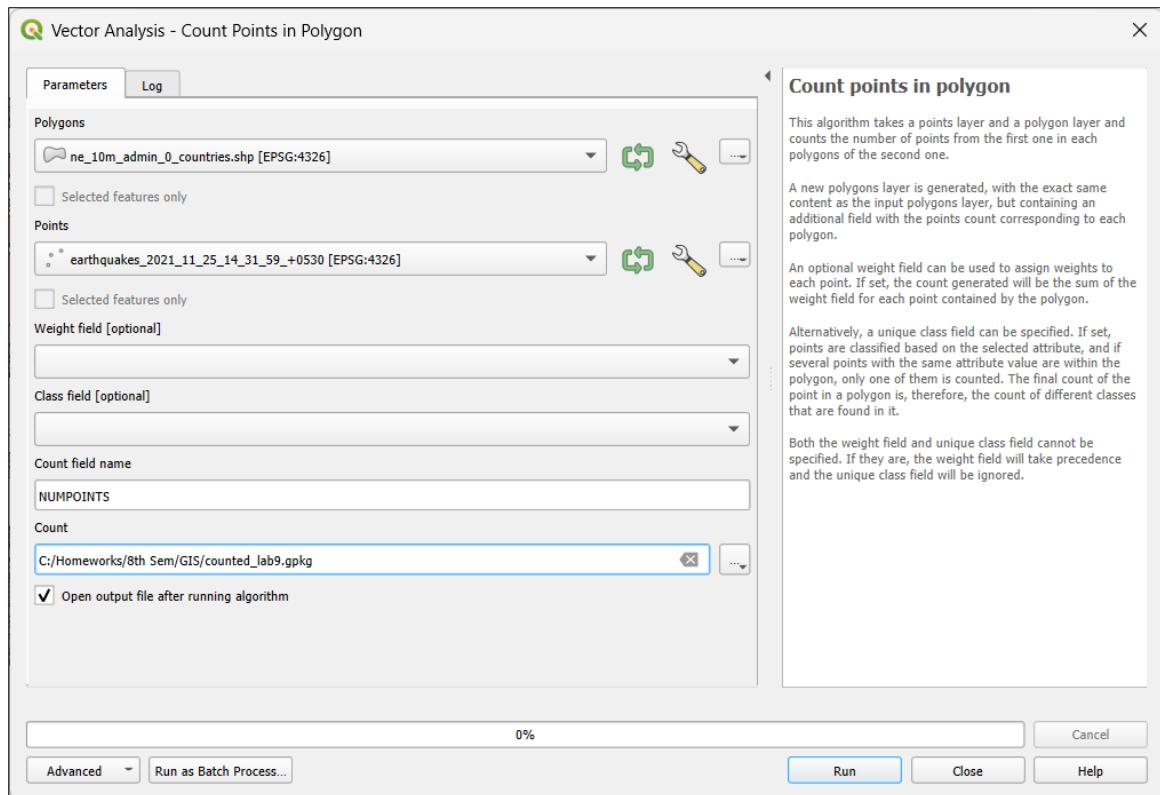
**Record and Fields Options**

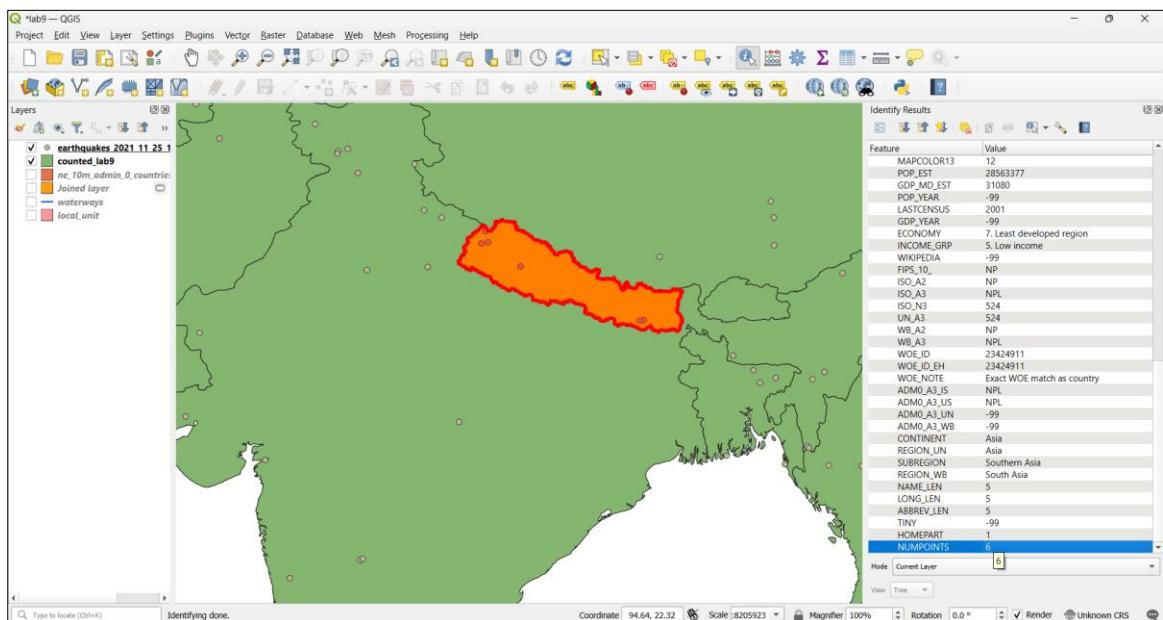
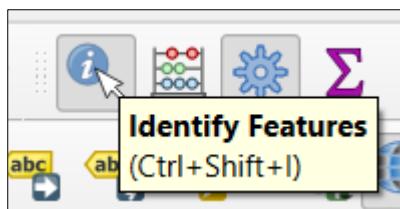
**Geometry Definition**

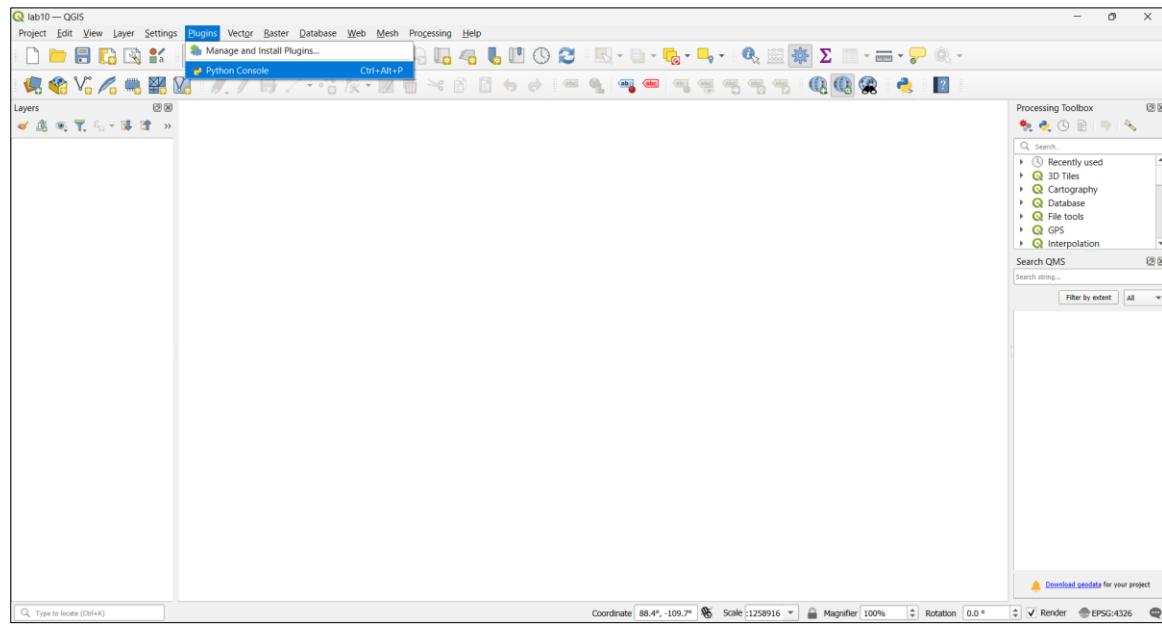
- Point coordinates X field: Longitude Z field:
- Well known text (WKT) Y field: Latitude M field:  DMS coordinates
- No geometry (attribute only table)

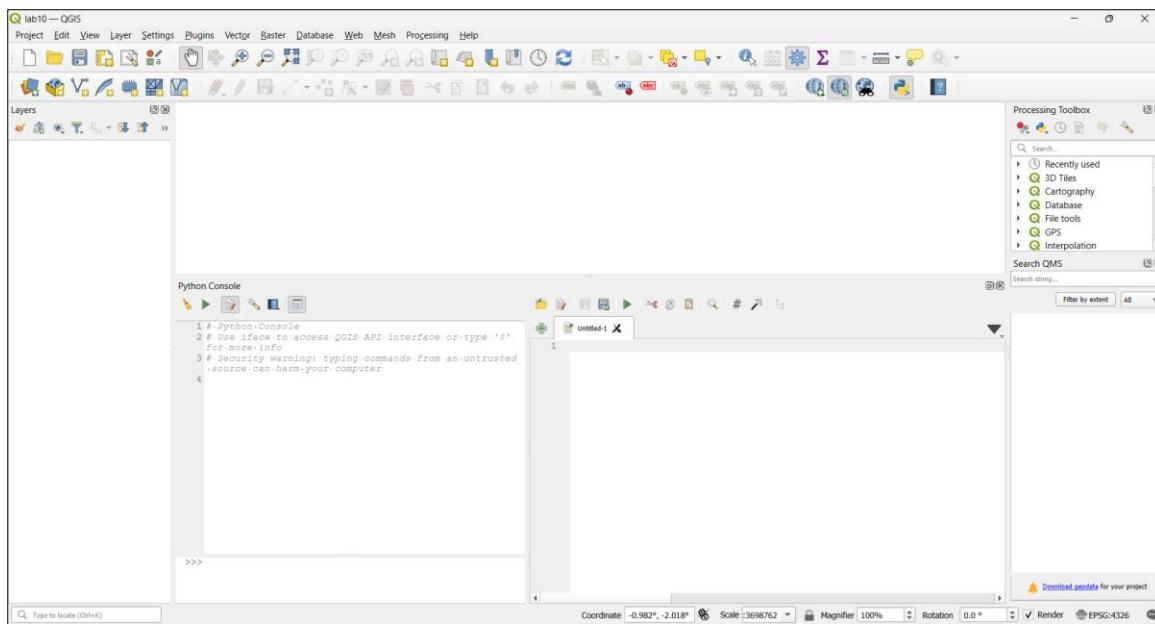
Close Add Help











```
# Import necessary modules from PyQGIS
from qgis.core import QgsVectorLayer, QgsProject
# Define the path to your shapefile
shapefile_path = r"C:\Homeworks\8th Sem\GIS\zip_files_QGIS\shape_files_of_districts_in_nepal.zip"

# Load the shapefile
layer = QgsVectorLayer(shapefile_path, "Layer Name", "ogr")

# Check if the layer was loaded successfully
if not layer.isValid():
    print("Layer failed to load!")
else:
    # Add the layer to the QGIS project
    QgsProject.instance().addMapLayer(layer)
    print("Layer loaded successfully!")

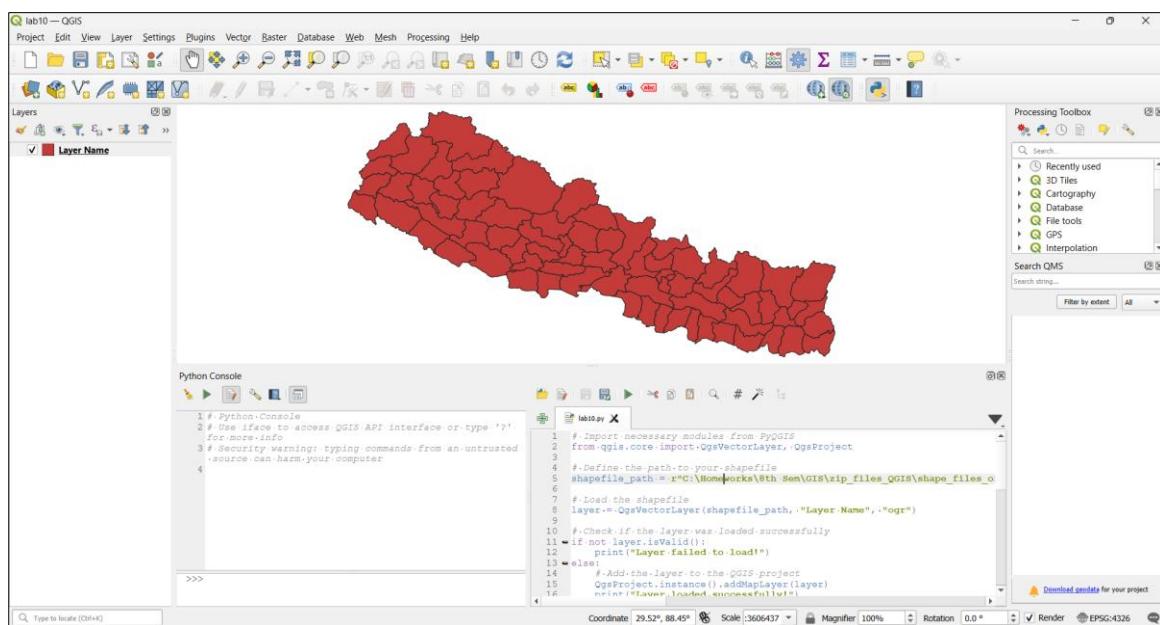
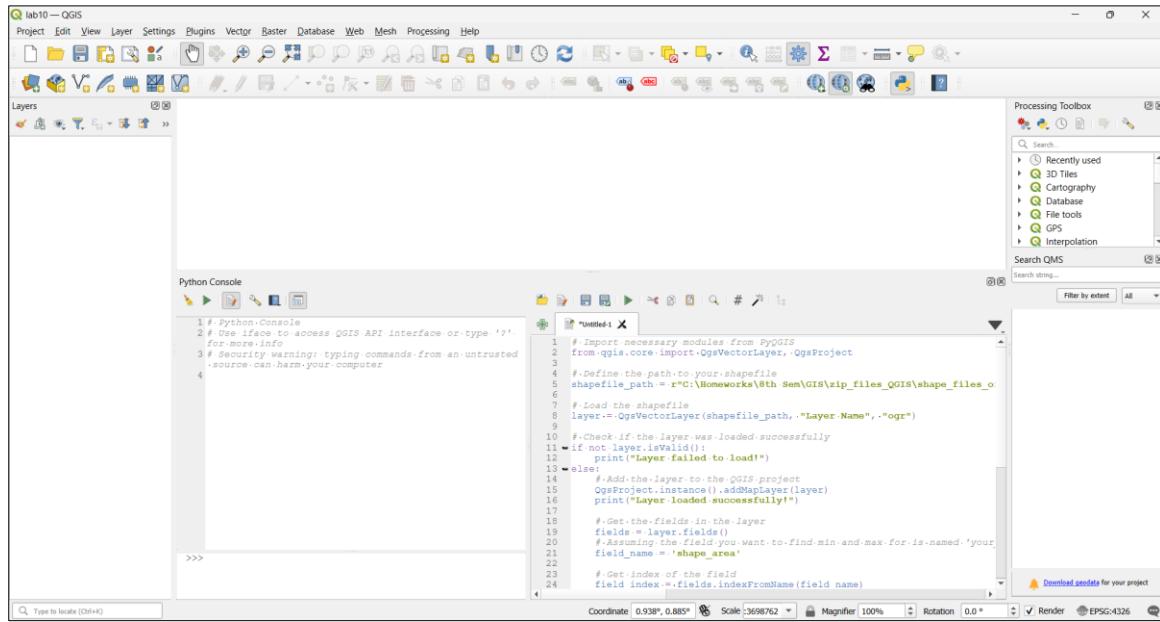
    # Get the fields in the layer
    fields = layer.fields()
    # Assuming the field you want to find min and max for is named 'your_field_name'
    field_name = 'shape_area'

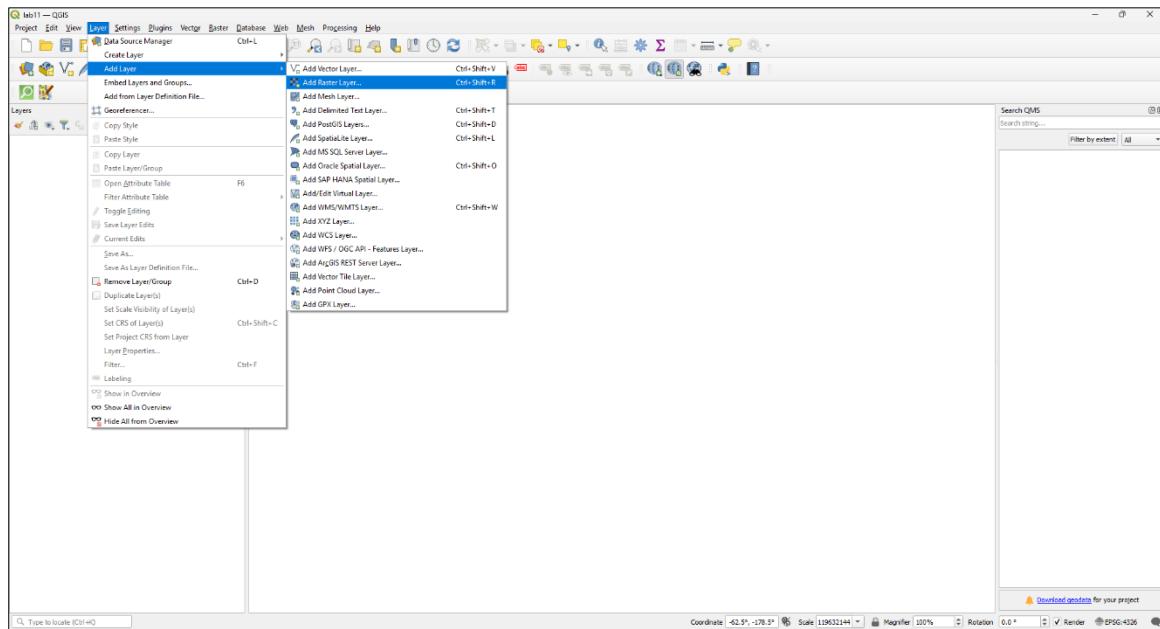
    # Get index of the field
    field_index = fields.indexFromName(field_name)

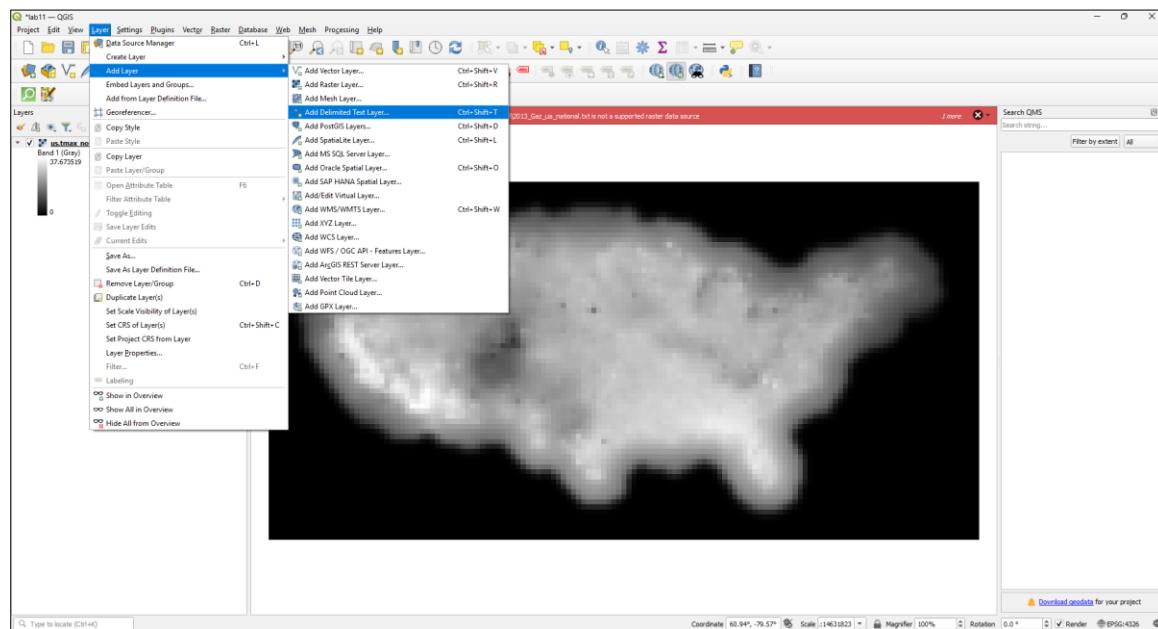
    # Initialize variables for min and max values
    min_value = float('inf')
    max_value = float('-inf')

    # Iterate over features to find min and max values
    for feature in layer.getFeatures():
        # Get the attribute value of the field
        attribute_value = feature.attributes()[field_index]
        # Check if the value is numeric
        if attribute_value is not None and isinstance(attribute_value, (int, float)):
            min_value = min(min_value, attribute_value)
            max_value = max(max_value, attribute_value)

    # Print the min and max values
    print("Minimum value:", min_value)
    print("Maximum value:", max_value)
# Refresh the QGIS interface
iface.layerTreeView().refreshLayerSymbology(layer.id())
```







**Data Source Manager | Delimited Text**

File name: C:\Users\user\Downloads\2013\_Gaz\_ua\_national\2013\_Gaz\_ua\_national.txt

Layer name: 2013\_Gaz\_ua\_national Encoding: UTF-8

**File Format**

- CSV (comma separated values)  Tab  Colon  Space
- Regular expression delimiter  Semicolon  Comma  Others:
- Custom delimiters  Quote: "  Escape: "

**Record and Fields Options**

**Geometry Definition**

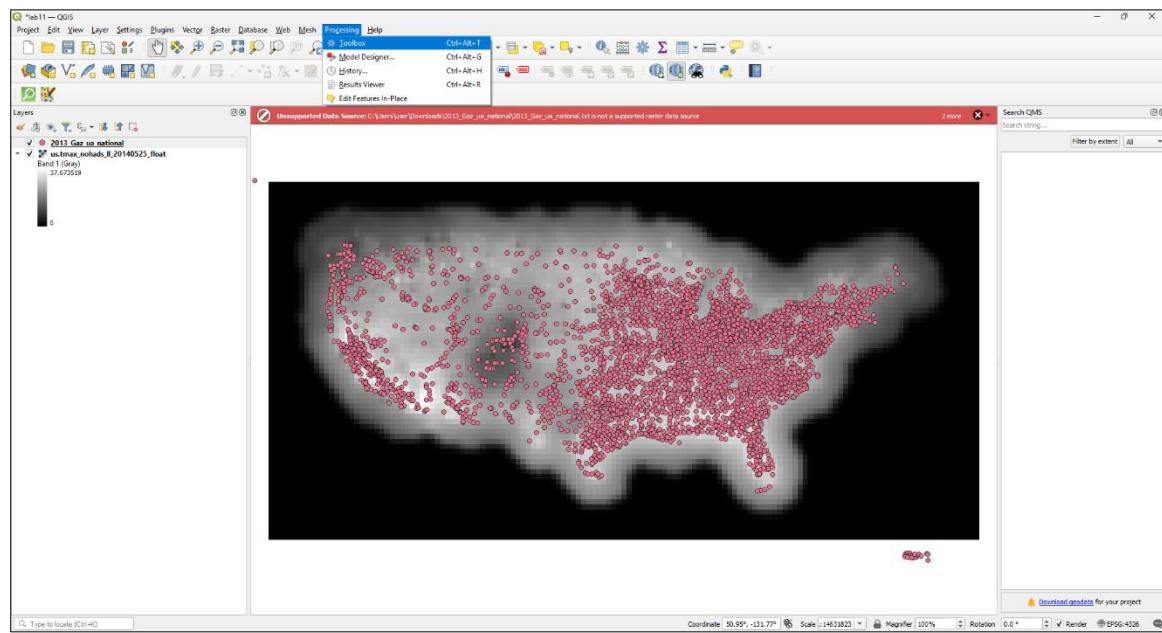
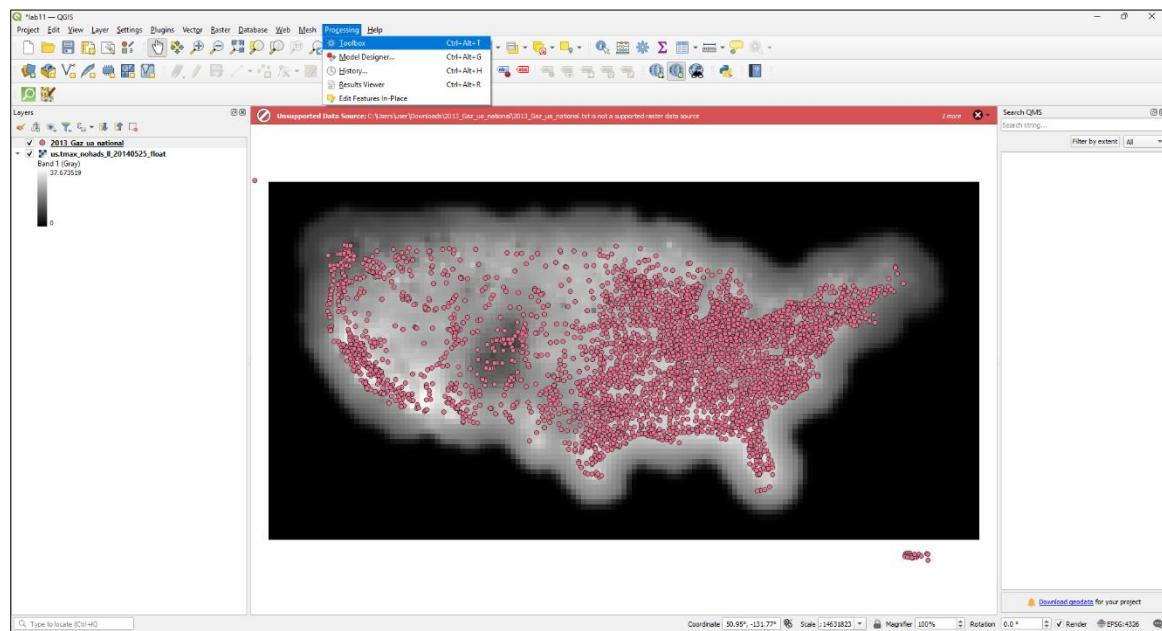
- Point coordinates X field: INTPTLONG Z field:
- Well known text (WKT) Y field: INTPTLAT M field:
- No geometry (attribute only table) Geometry CRS: EPSG:4326 - WGS 84

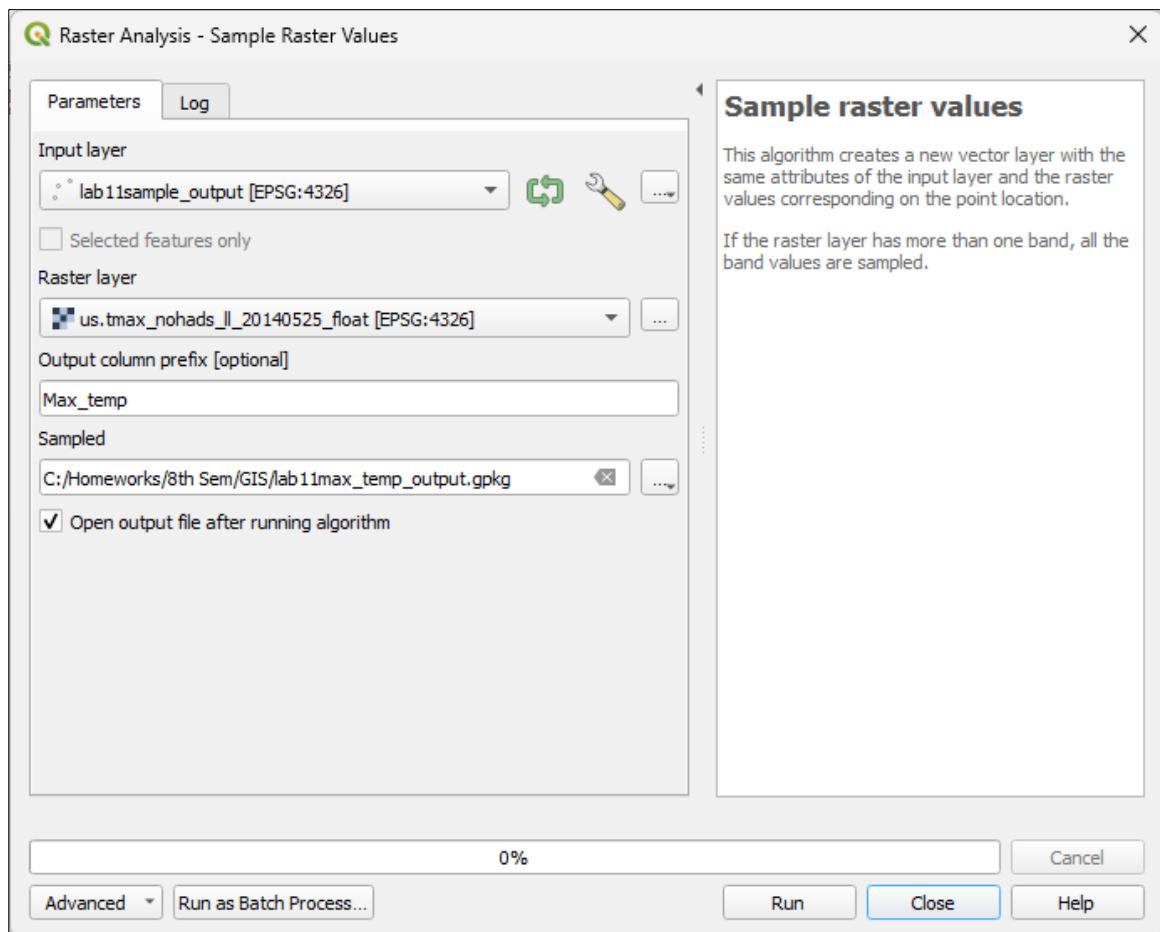
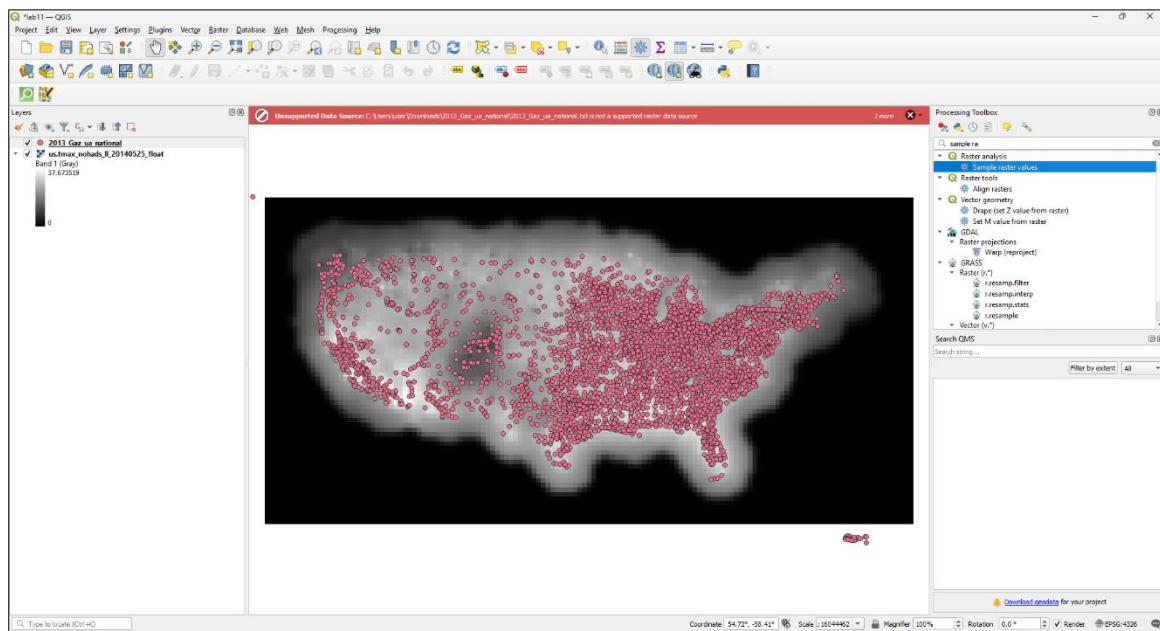
**Layer Settings**

**Sample Data**

GEOID	NAME	UATYPE	ALAND	AWATER
1 00037	Abbeville, LA Urban Cluster	C	29222236	300497
2 00064	Abbeville, SC Urban Cluster	C	11279155	19786
3 00091	Abbotsford, WI Urban Cluster	C	5363428	13221
4 00118	Aberdeen, MS Urban Cluster	C	7416537	52820

**Buttons:** Close, Add, Help

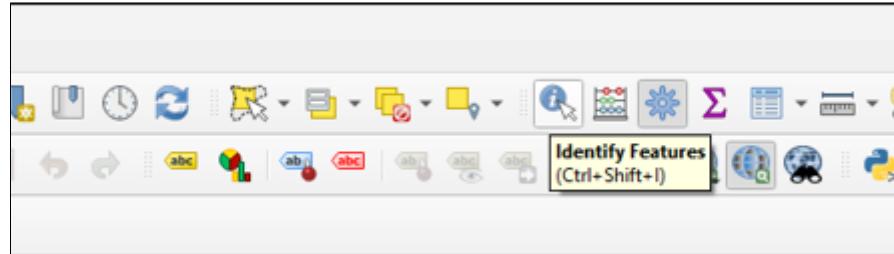


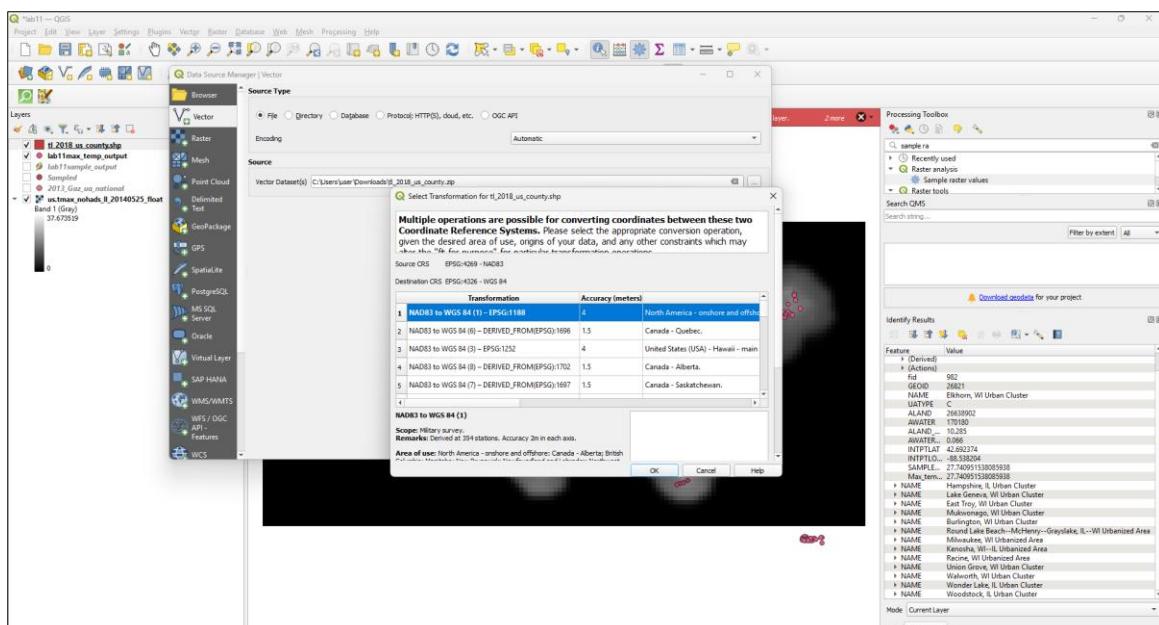
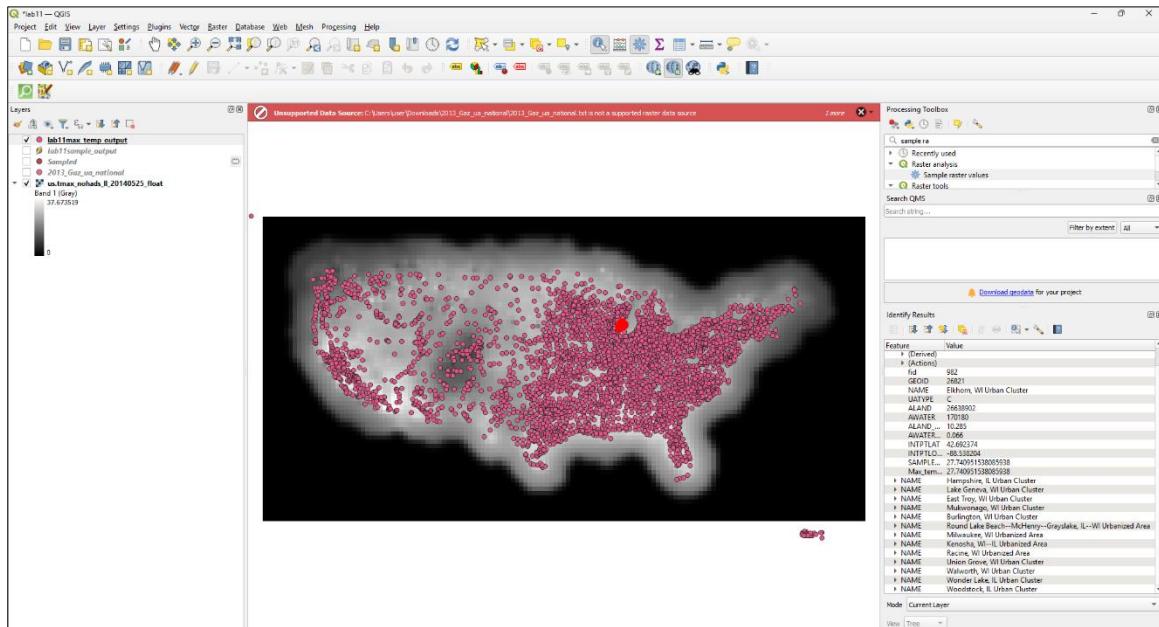


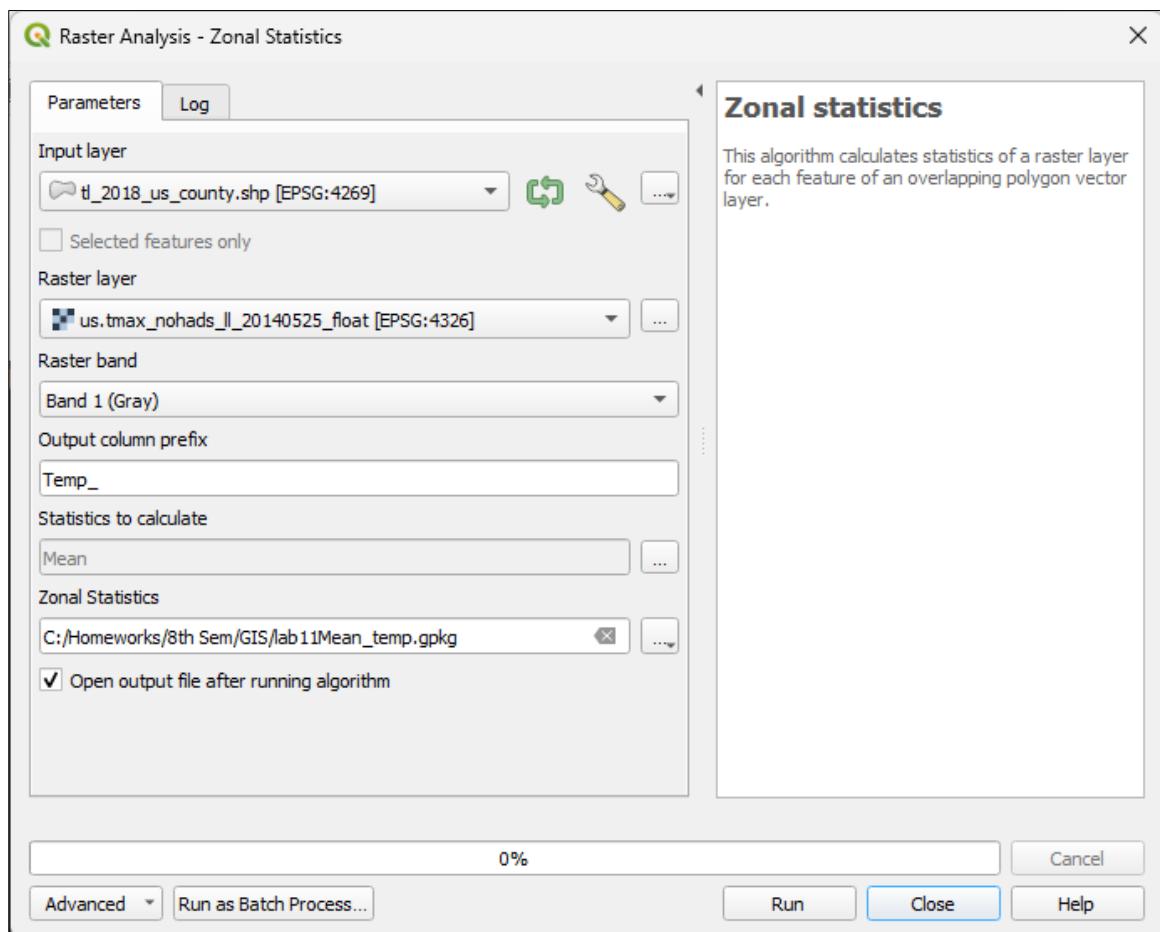
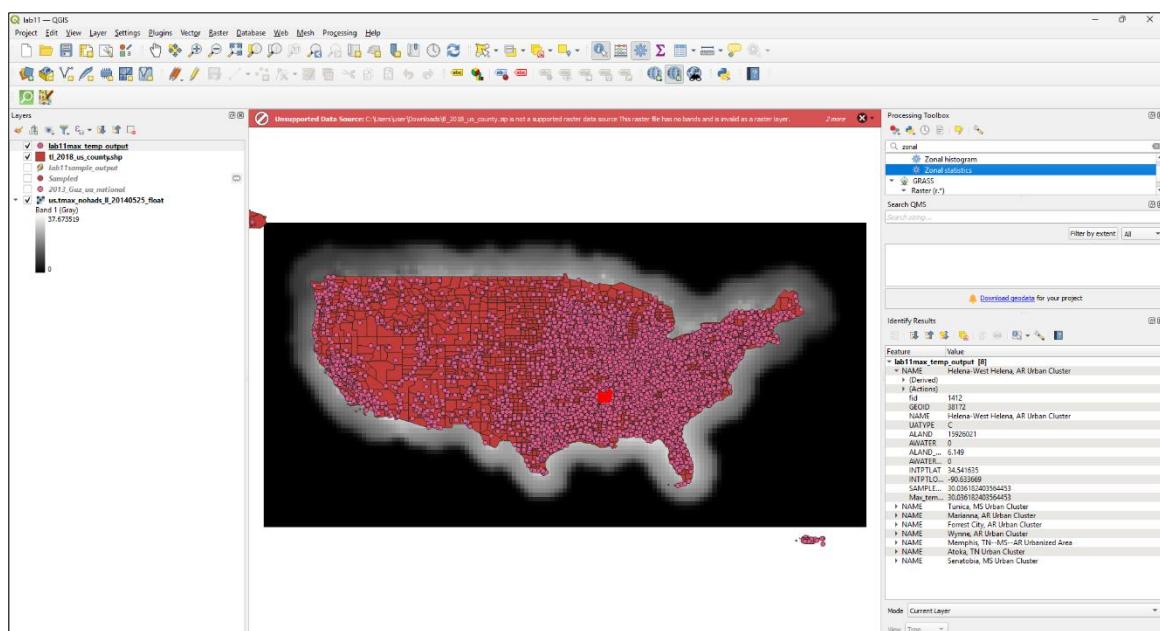
Q lab11max\_temp\_output — Features Total: 3601, Filtered: 3601, Selected: 0

	fid	GEOID	NAME	UATYPE	ALAND	AWATER	ALAND_SQMI	AWATER_SQMI	INTPTLAT	INTPTLONG	Max_temp1
1	2499	67645	Parker, AZ-CA ...	C	7065145	64555	2.728	0.025	34.149599	-114.295283	37.51241302490...
2	1731	46747	Lake Havasu Ci...	U	76515980	58541	29.543	0.023	34.495931	-114.315847	37.30920028686...
3	321	8623	Blythe, CA--AZ ...	C	16019510	3436	6.185	0.001	33.611802	-114.586127	37.05073165893...
4	364	9730	Brawley, CA Ur...	C	20535855	0	7.929	0	32.977979	-115.531854	36.87135696411...
5	463	12592	Calipatria, CA U...	C	2661784	0	1.028	0	33.124883	-115.512646	36.87135696411...
6	968	26416	Ei Centro--Cale...	U	77833453	45516	30.052	0.018	32.769055	-115.546349	36.87135696411...
7	1464	39619	Holtville, CA Ur...	C	5700235	11902	2.201	0.005	32.811892	-115.383265	36.87135696411...
8	2430	65836	Orland, CA Urb...	C	15149330	0	5.849	0	39.744117	-122.196387	36.02717208862...
9	3509	95725	Willows, CA Ur...	C	6733954	4854	2.6	0.002	39.524858	-122.199495	36.02717208862...
10	1647	44587	Kerman, CA Ur...	C	6522500	0	2.518	0	36.727308	-120.062074	35.84461212158...
11	1819	49042	Lemoore Statio...	C	5475941	0	2.114	0	36.262424	-119.88913	35.84461212158...
12	2762	75270	Riverdale, CA U...	C	2306822	0	0.891	0	36.431071	-119.862054	35.84461212158...
13	2895	79012	San Joaquin, C...	C	2466572	0	0.952	0	36.606981	-120.187815	35.84461212158...
14	101	2825	Arbuckle, CA U...	C	1871305	0	0.723	0	39.016726	-122.060221	35.83589935302...
15	708	19342	Colusa, CA Urb...	C	5866403	0	2.265	0	39.208445	-122.012902	35.83589935302...
16	3494	95374	Williams, CA Ur...	C	5071902	0	1.958	0	39.152101	-122.147981	35.83589935302...
17	332	8893	Bonadelle Ranc...	C	23023955	0	8.89	0	36.986902	-119.873482	35.67560577392...
18	610	16696	Chowchilla, CA...	C	11818107	0	4.563	0	37.11481	-120.24802	35.67560577392...
19	1175	31843	Fresno, CA Urb...	U	443803250	387181	171.353	0.149	36.787755	-119.761114	35.67560577392...
20	1959	52984	Madera, CA Ur...	U	57994270	0	22.392	0	36.971733	-120.06383	35.67560577392...
21	2591	70280	Plumas Lake, C...	C	4478584	0	1.729	0	39.005005	-121.550934	35.46967697143...
22	3470	94685	Wheatland, CA ...	C	1961910	0	0.757	0	39.012758	-121.427206	35.46967697143...
23	3591	97939	Yuba City, CA ...	U	100122629	977841	38.658	0.378	39.122927	-121.608318	35.46967697143...
24	2077	56251	Merced, CA Ur...	U	122953445	22024	47.473	0.009	37.330955	-120.525712	35.46128845214...
25	2583	70021	Planada, CA Ur...	C	2816175	0	1.087	0	37.288887	-120.320295	35.46128845214...
26	3008	82076	Silver Lakes, CA...	C	5768546	1031337	2.227	0.398	34.750808	-117.344111	35.23489379882...
27	896	24445	Dos Palos, CA ...	C	5505569	0	2.126	0	36.978164	-120.633707	35.15250396728...
28	1098	29764	Firebaugh, CA ...	C	3787878	0	1.463	0	36.859907	-120.458886	35.15250396728...
29	2074	56170	Mendota, CA U...	C	5267197	8333	2.034	0.003	36.756432	-120.384422	35.15250396728...
30	83	2359	Andalusia, AL U...	C	14927107	32462	5.763	0.013	31.311564	-86.479556	35.13394546508...
31	2422	65620	Opp, AL Urban ...	C	11027041	63716	4.258	0.025	31.278143	-86.252855	35.13394546508...

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Q:\lab11Mean\_temp — Features Total: 3233, Filtered: 3233, Selected: 0

	fid	STATEFP	COUNTYFP	COUNTYNAME	GEOID	NAME	NAMELSDA	LSAD	CLASFP	MTFCC	CSAfp	CBSAfp	METDIVfp	FUNCSTAT	ALAND	AIWATER	INTPTLAT	INTPTLON	Temp_mean
1	1	31	039	00835841	31059	Cuming	Cuming County	06	H1	G4020	NULL	NULL	NULL	A	1477652222	10200522_L-EI	91585168	-096.785168	27.54390463907...
2	2	53	069	01513275	53069	Wahkiakum Co.	06	H1	G4020	NULL	NULL	NULL	A	60956059	61559408+-E,29463777	-123.4244545	18.29118978219...		
3	3	35	011	00933054	35011	De Baca	De Baca County	06	H1	G4020	NULL	NULL	NULL	A	601619484	29088486+-34.1592729	-104.3866691	23.33259345194...	
4	4	31	109	00835876	31109	Lancaster	Lancaster County	06	H1	G4020	339	30700	NULL	A	2169287528	22832316+-40.7835474	-096.8896534	28.22672039866...	
5	5	31	129	00835888	31129	Nuckolls	Nuckolls County	06	H1	G4020	NULL	NULL	NULL	A	1495945187	17118464+-40.1764918	-096.048422	27.1959577339...	
6	6	72	085	01804532	72085	Las Piedras	Las Piedras Mts.	13	H1	G4020	490	41980	NULL	A	87740800	32559+-18.1871483	-065.8711890	NULL	
7	7	46	099	012691772	46099	Minnehaha	Minnehaha Co.	06	H1	G4020	NULL	43620	NULL	A	2099591730	10198496+-43.6674723	-096.7957281	27.1636455794...	
8	8	48	327	01363949	48327	Menard	Menard County	06	H1	G4020	NULL	NULL	NULL	A	2306237985	613559+-30.0532677	-099.8598613	21.788957956...	
9	9	06	091	00277310	06060	Sierra	Sierra County	06	H1	G4020	NULL	NULL	NULL	A	2460694087	23299110+-39.3768252	-120.5219920	29.3389324951...	
10	10	21	053	00516873	21053	Clinton	Clinton County	06	H1	G4020	NULL	NULL	NULL	A	510875193	21153253+-36.7272577	-085.1360977	25.22489071692...	
11	11	39	063	01074044	39063	Hancock	Hancock County	06	H1	G4020	248	22300	NULL	A	137694842	6075215+-41.0004711	-083.6660335	27.1813687855...	
12	12	48	189	01383880	48189	Hale	Hale County	06	H1	G4020	NULL	38380	NULL	A	2802109438	248678+-34.0684564	-101.822887	21.6925963366...	
13	13	01	027	00161539	01027	Clay	Clay County	06	H1	G4020	NULL	NULL	NULL	A	1564215183	5285207+-33.2709999	-085.8635234	31.71747817382...	
14	14	48	011	01383791	48011	Armstrong	Armstrong County	06	H1	G4020	108	11100	NULL	A	2354581675	12219383+-34.9641790	-101.35566363	22.57586191760...	
15	15	39	063	01074015	39003	Allen	Allen County	06	H1	G4020	338	30620	NULL	A	1042479885	1125932+-40.7716274	-084.1061032	27.43815030852...	
16	16	13	189	00348794	13189	McDuffle	McDuffle County	06	H1	G4020	NULL	12260	NULL	A	666848710	23114025+-33.4796231	-082.477331	31.49780059356...	
17	17	55	111	01581115	55111	Seuk	Seuk County	06	H1	G4020	357	12660	NULL	A	213586936	45692629+-43.4280101	-089.943318	28.2358122929...	
18	18	05	137	00069902	05137	Stone	Stone County	06	H1	G4020	NULL	NULL	NULL	A	1570579417	7641927+-35.8537011	-092.1404019	29.29144990639...	
19	19	41	063	01151135	41063	Wallowa	Wallowa County	06	H1	G4020	NULL	NULL	NULL	A	8147353570	14191732+-45.597330	-117.1857766	27.718434977...	
20	20	42	007	01214112	42007	Beaver	Beaver County	06	H1	G4020	430	38300	NULL	A	1125004007	24162728+-40.6841401	-080.3507208	26.68626865300...	
21	21	28	061	00695754	28061	Jasper	Jasper County	06	H1	G4020	NULL	29860	NULL	A	1751451435	3181592+-32.0168944	-085.1194302	32.2170476984...	
22	22	29	063	00756496	29083	Henry	Henry County	06	H1	G4020	NULL	NULL	NULL	A	1805075851	91636438+-38.3864999	-093.7926278	28.93960175308...	
23	23	08	109	00198170	08109	Saguache	Saguache County	06	H1	G4020	NULL	NULL	NULL	A	805547980	4454510+-38.0316114	-106.2346661	13.6486002902...	
24	24	37	037	01006554	37037	Chatham	Chatham County	06	H1	G4020	450	20500	NULL	A	1755640373	70634835+-35.7049399	-079.251454	27.58754129956...	
25	25	49	033	01448030	49033	Rich	Rich County	06	H1	G4020	NULL	NULL	NULL	A	266470064	149106332+-41.6275976	-111.2402269	23.920057200...	
26	26	40	001	01101788	40001	Adair	Adair County	06	H1	G4020	NULL	NULL	NULL	A	1455822410	8737702+-35.890428	-094.8510258	28.72520959323...	
27	27	39	085	01074055	39085	Lake	Lake County	06	H1	G4020	184	17660	NULL	A	593072716	194230118+-41.924163	-081.3956429	26.7951203086...	
28	28	51	775	01788074	51775	Salem	Salem City	25	C7	G4020	NULL	40220	F		37600652	277514+-37.2853329	-080.0532407	26.24726104726...	
29	29	51	121	01674630	51121	Montgomery	Montgomery C...	06	H1	G4020	NULL	13980	NULL	A	1001920426	6290938+-37.1755344	-080.3877913	25.48354202555...	
30	30	47	065	01639749	47065	Hamilton	Hamilton County	06	H1	G4020	174	16860	NULL	A	1040454388	86645333+-35.164270	-085.2018432	26.3899178787...	

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