

Working with Attributes

QGIS Tutorials and Tips



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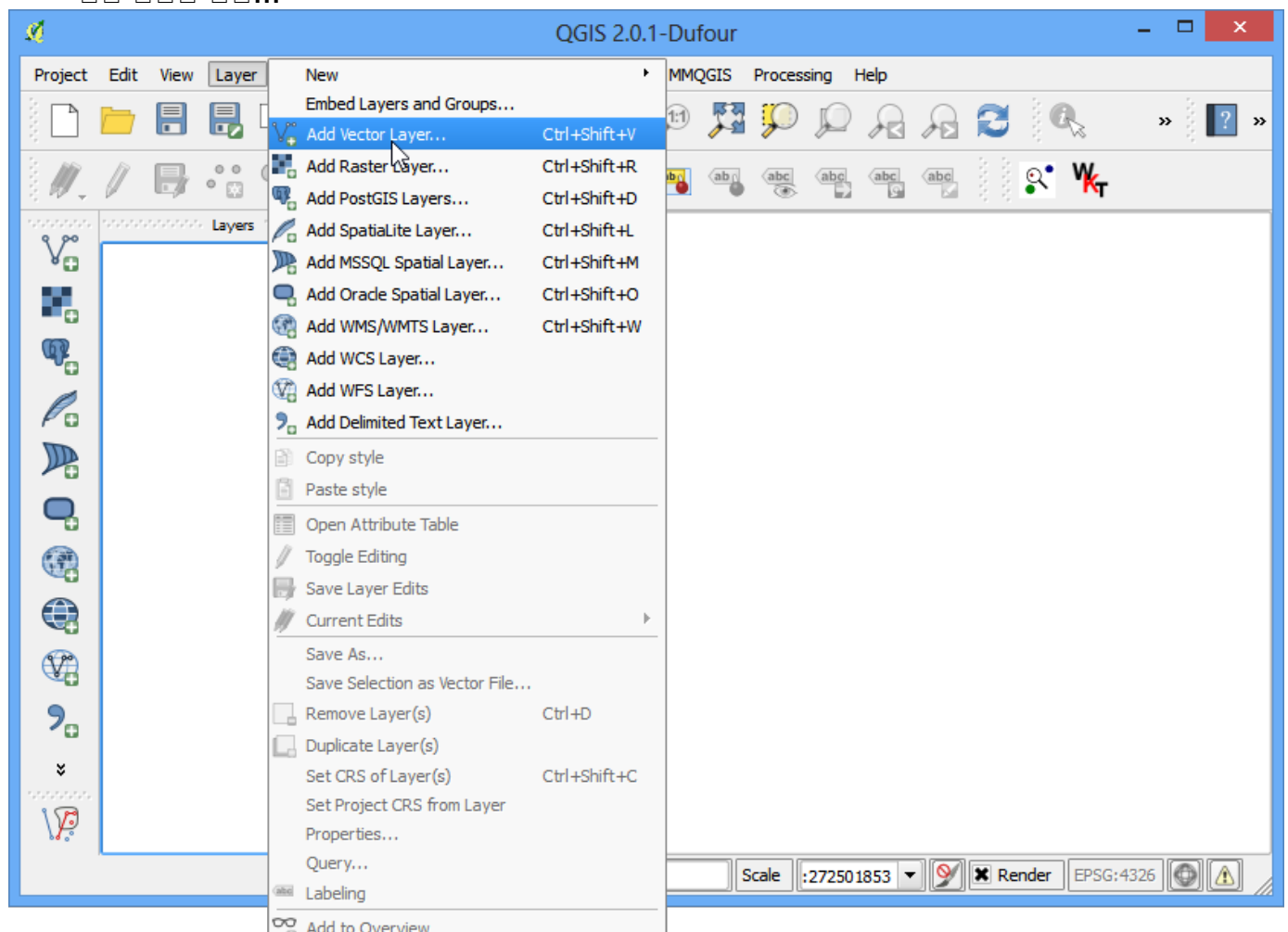
□□□ □□□□ Natural Earth□ **Populated Places dataset** □□□.

`Natural Earth Populated Places shapefile. <http://www.naturalearthdata.com/http://www.naturalearthdata.com/download/10m/cultural/ne_10m_populated_places_simple.zip>`_□ □□□□□□□.

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1. □□□□□ □□□□ QGIS□ □□□□□□□. □□ □□□□ :menuselection:'□□□□ --> □□□□□□ --> □□ □□□ □□□□□!'



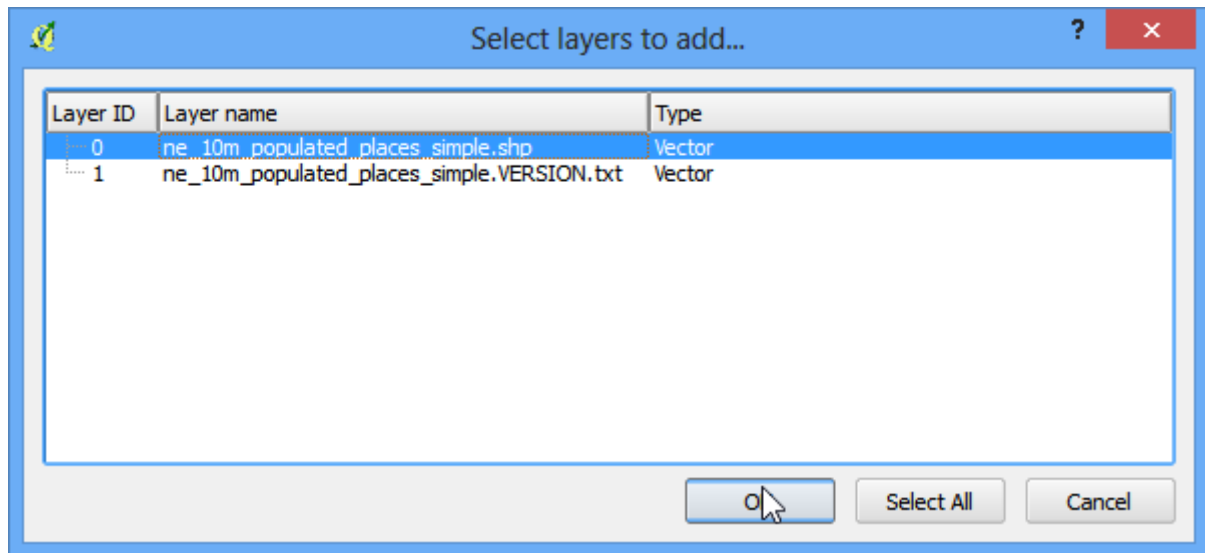
2. Click on Browse and navigate to the folder where you downloaded the data.



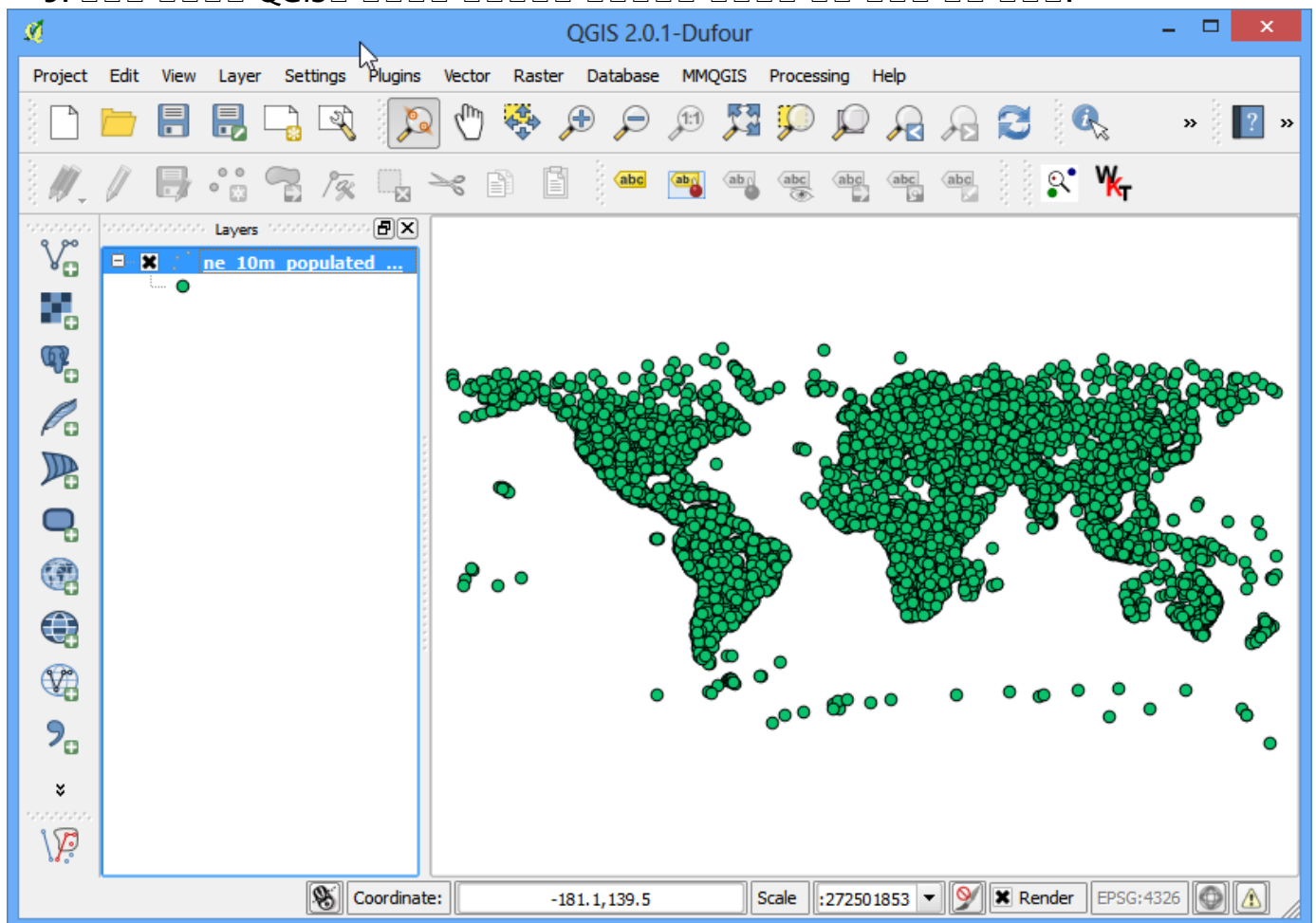
3. Locate the downloaded zip file ***ne_10m_populated_places_simple.zip***. You do not need to unzip the file. QGIS has the ability to read zip files directly. Select the file and click Open.



4. Click the 'Open' button. The file will be added to the QGIS project. The dialog box will close and the file name 'ne_10m_populated_places_simple.shp' will appear in the QGIS project panel.



5. □□□ □□□□ QGIS □ □□□ □□□□ □□□□ □□□□ □□ □□ □□ □□.



6. □□ □□ □□ □□□□ □□ □□ □□ □□□□ :guilabel: `Open Attribute Table` □ □□□□.



7. □□□ □□□ □□ □□□ □□□□□.

Attribute table - ne_10m_populated_places_simple :: Features total: 7322, filtered: 7322, selecte...

	scalerank	natscale	labelrank	featurecla	name	namepar	namealt
0	10	1	8	Admin-1 capital	Colonia del Sac...	NULL	NULL
1	10	1	8	Admin-1 capital	Trinidad	NULL	NULL
2	10	1	8	Admin-1 capital	Fray Bentos	NULL	NULL
3	10	1	8	Admin-1 capital	Canelones	NULL	NULL
4	10	1	8	Admin-1 capital	Florida	NULL	NULL
5	10	1	8	Admin-1 capital	Bassar	NULL	NULL
6	10	1	8	Admin-1 capital	Sotouboua	NULL	NULL
7	10	1	7	Admin-1 capital	Medenine	NULL	NULL
8	10	1	7	Admin-1 capital	Kebili	NULL	NULL
9	10	1	7	Admin-1 capital	Tataouine	NULL	NULL
10	10	1	7	Admin-1 capital	L'Ariana	NULL	NULL
11	10	1	7	Admin-1 capital	Jendouba	NULL	NULL
12	10	1	7	Admin-1 capital	Kasserine	NULL	NULL
13	10	1	7	Admin-1 capital	Sdid Bouzid	NULL	NULL
14	10	1	7	Admin-1 capital	Siliana	NULL	NULL
15	10	1	7	Admin-1 capital	Mahdia	NULL	NULL
16	10	1	7	Admin-1 capital	Monastir	NULL	NULL
17	10	1	7	Admin-1 capital	Zaghouan	NULL	NULL
18	10	1	5	Admin-1 capital	Tay Ninh	NULL	NULL
19	10	1	5	Admin-1 capital	Luan Chau	NULL	NULL
20	10	1	5	Admin-1 capital	Bac Kan	NULL	NULL
21	10	1	5	Admin-1 capital	Lana Son	NULL	NULL

Show All Features

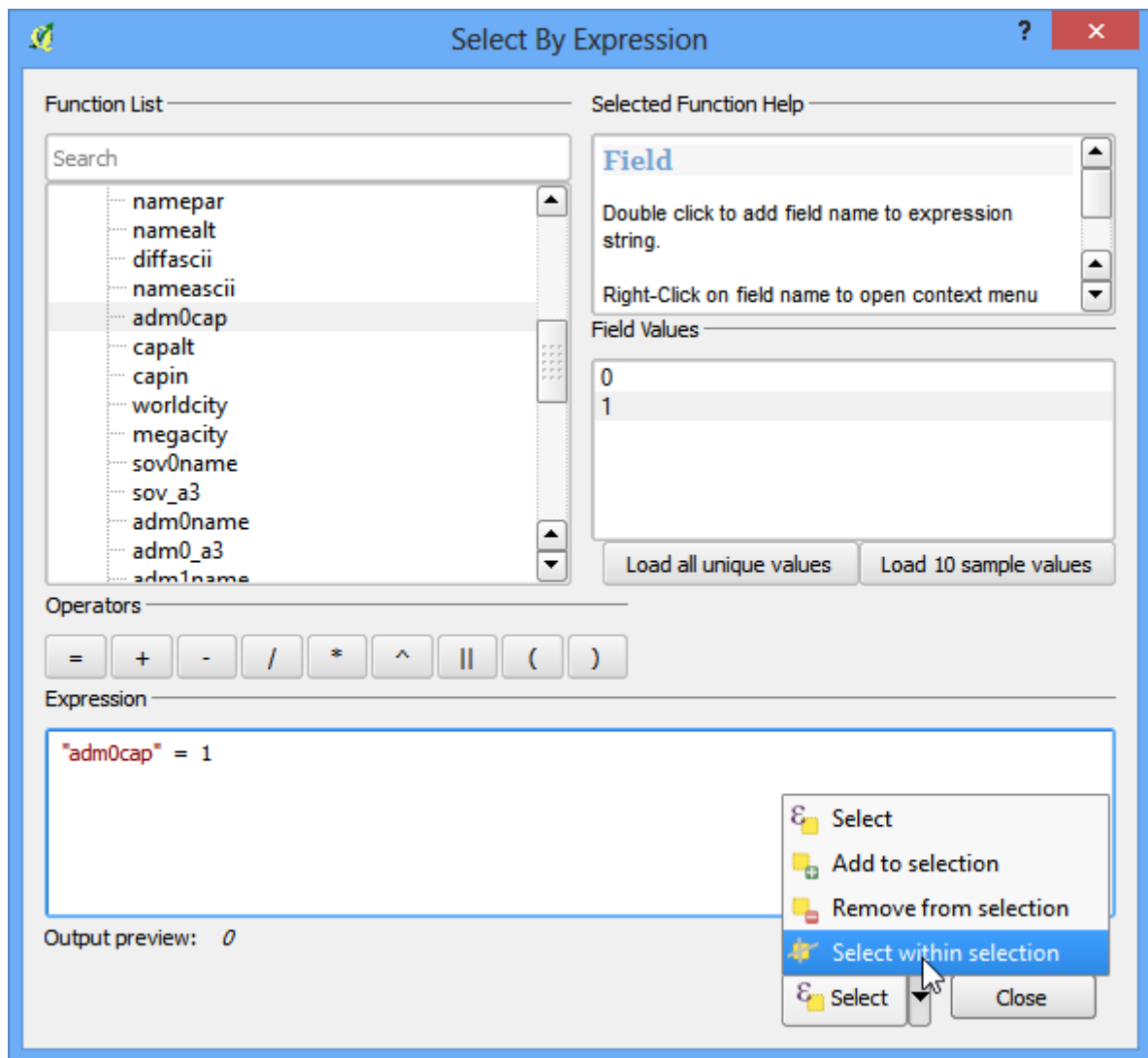
8. 在属性表中，`pop_max` 列表示人口最大值。该列的数据类型是什么？

Attribute table - ne_10m_populated_places_simple :: Features total: 7322, filtered: 7322, selecte...

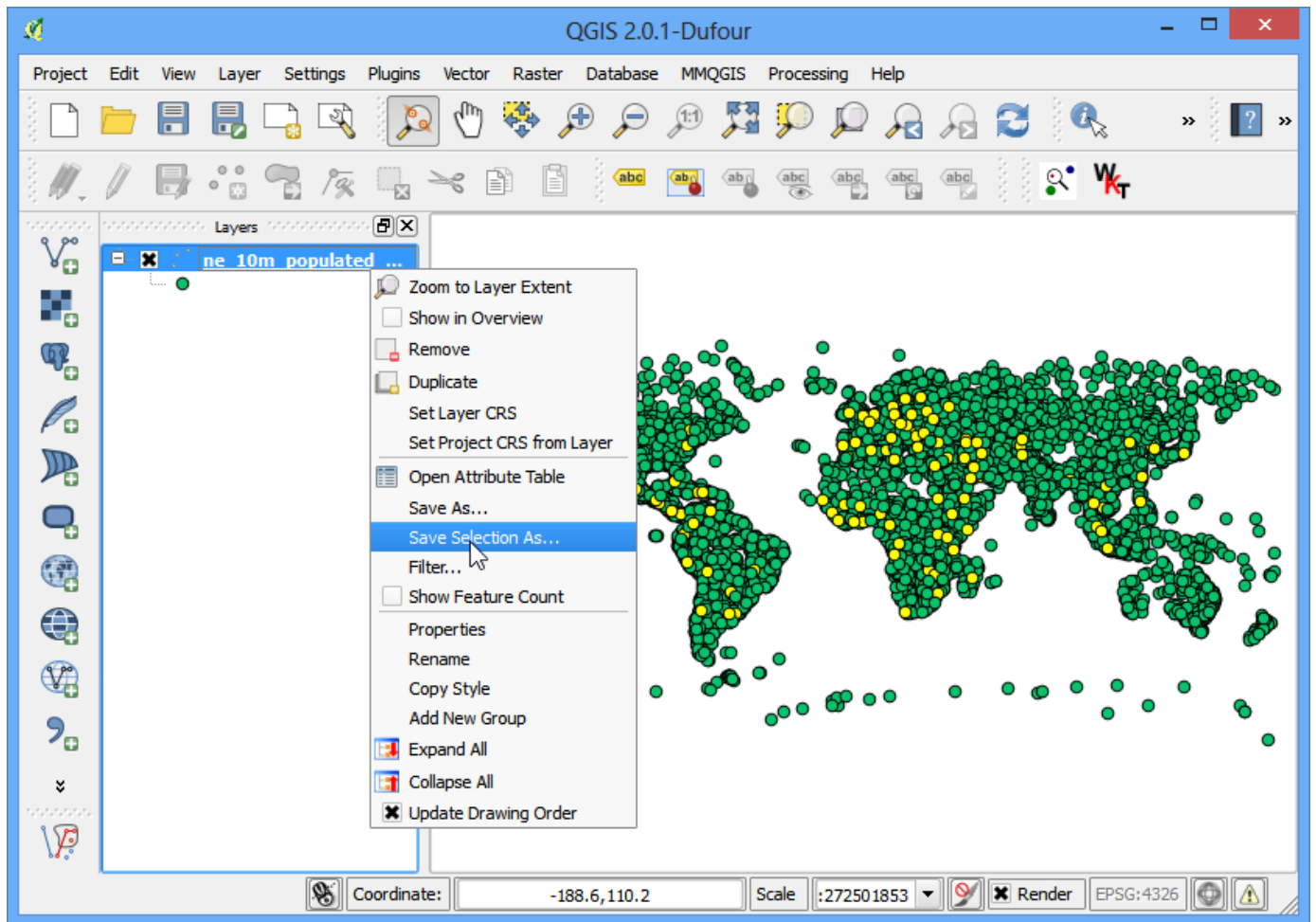
	longitude	changed	namediff	diffnote	pop_max	pop_min	pop_other
7312	139.75140742900	0.000000000000	0	NULL	35676000	8336599	12945252
7297	-73.98001692880	0.000000000000	0	NULL	19040000	8008278	9292603
7303	-99.13098820170	0.000000000000	0	NULL	19028000	10811002	10018444
7313	72.85698929740	0.000000000000	0	NULL	18978000	12691836	12426085
7318	-46.62501998040	0.000000000000	0	NULL	18845000	10021295	11522944
7221	77.23000402720	4.000000000000	0	Changed featur...	15926000	7633213	6747384
7311	121.43650467800	0.000000000000	0	NULL	14987000	14608512	16803572
7316	88.32467565810	4.000000000000	1	Name changed...	14787000	4631392	7783716
7248	90.40857946670	5.000000000000	0	Changed scale ...	12797394	7000940	14995538
7290	-58.39753137370	0.000000000000	0	NULL	12795000	10929146	10271457
7295	-118.17998051100	0.000000000000	0	NULL	12500000	3694820	142265
7168	66.99000891000	5.000000000000	0	Changed scale ...	12130000	11624219	11570278
7310	31.24996821970	0.000000000000	0	NULL	11893000	7734614	13720557
7317	-43.22502079420	0.000000000000	0	NULL	11748000	2010175	1821489
7280	135.46014481500	4.000000000000	0	Changed featur...	11294000	2592413	9630783
7306	116.38828568400	0.000000000000	0	NULL	11106000	7480601	9033231
7274	120.98221716200	0.000000000000	0	NULL	11100000	3077575	2381280
7302	37.61552282590	0.000000000000	0	NULL	10452000	10452000	10585385
7299	29.01000158560	0.000000000000	0	NULL	10061000	9945610	9651488
7314	2.33333532574	0.000000000000	0	NULL	9904000	11177	7142744
7273	126.99973099700	0.000000000000	0	NULL	9796000	9796000	12018058
7304	3.39153107121	4.000000000000	0	Location adjust...	9466000	1536	6567892

Show All Features

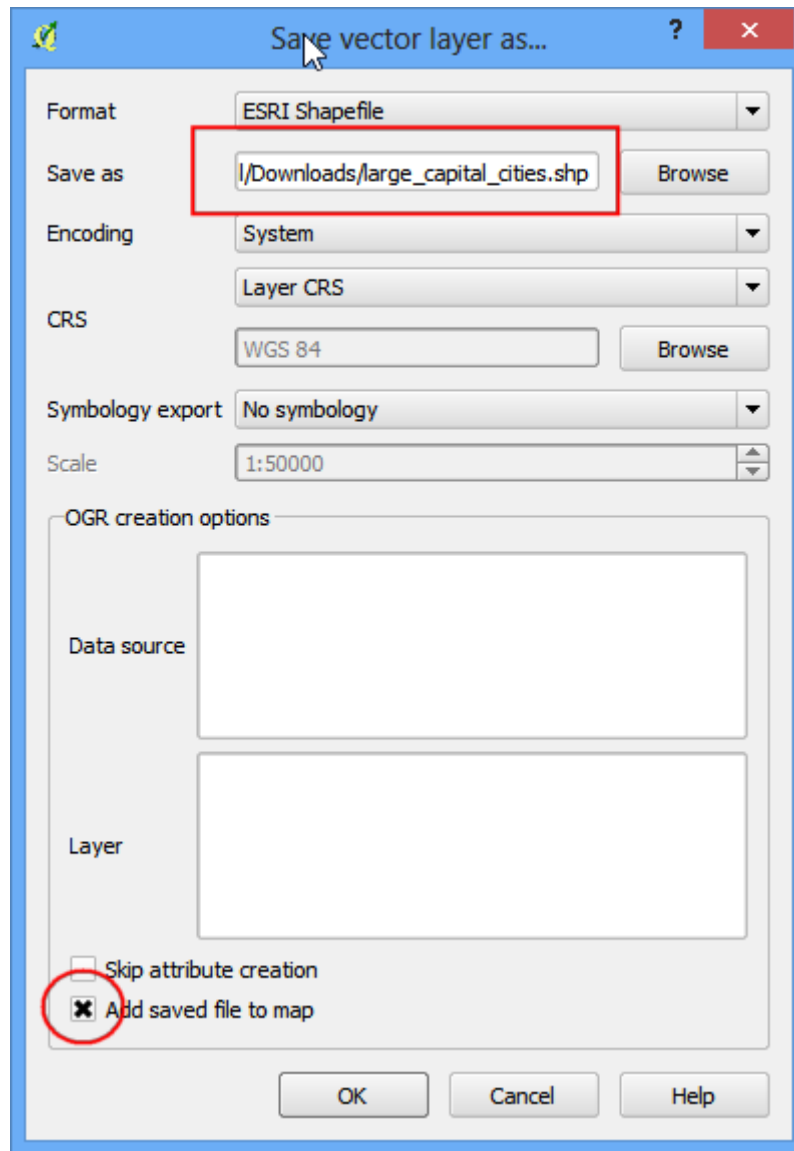
9. ☐ ☐ ☐ ☐ ☐ ☐ :guilabel: `Select features using an expression` ☐ ☐ ☐ ☐ ☐ ☐.



14. :guilabel:`Close` □ □□□ QGIS □□□□ □□□□□□. □□□ □□ □ □□□□□ □□□ □□ □ □□□□. □□□ □□□ □□ □□□□ □□□□□□ □□□ 1,000,000□□ □□□□ □ □□□ □□□ □□□□□.



16. `ESRI` □ □ □ □ ESRI Shapefile' □ □ □ □ □ □ □ □ □ □ `large_capital_cities.shp` □ □ □ □ □ □ □ □ □ □. :guilabel: `Add saved file to map' □ □ □ □ □ □ □ □ □ □ :guilabel: 'OK' □ □ □ □ □ □ □ □ □ □.



17. □□□ □□□□ □□□□□□ □□□□□ QGIS□ □□□□□. ne_10m_populated_places_simple
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