

Calculating Line Lengths and Statistics

QGIS Tutorials and Tips



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Translations by


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[illegible]

(Unfinished) QGIS ██

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```
shapefile shapefile
```


 1 2 3 4 5 6 7

- 國際標準化組織
- 國際標準化組織 (CRS) 報告
- 國際標準化組織

□ □ □ □

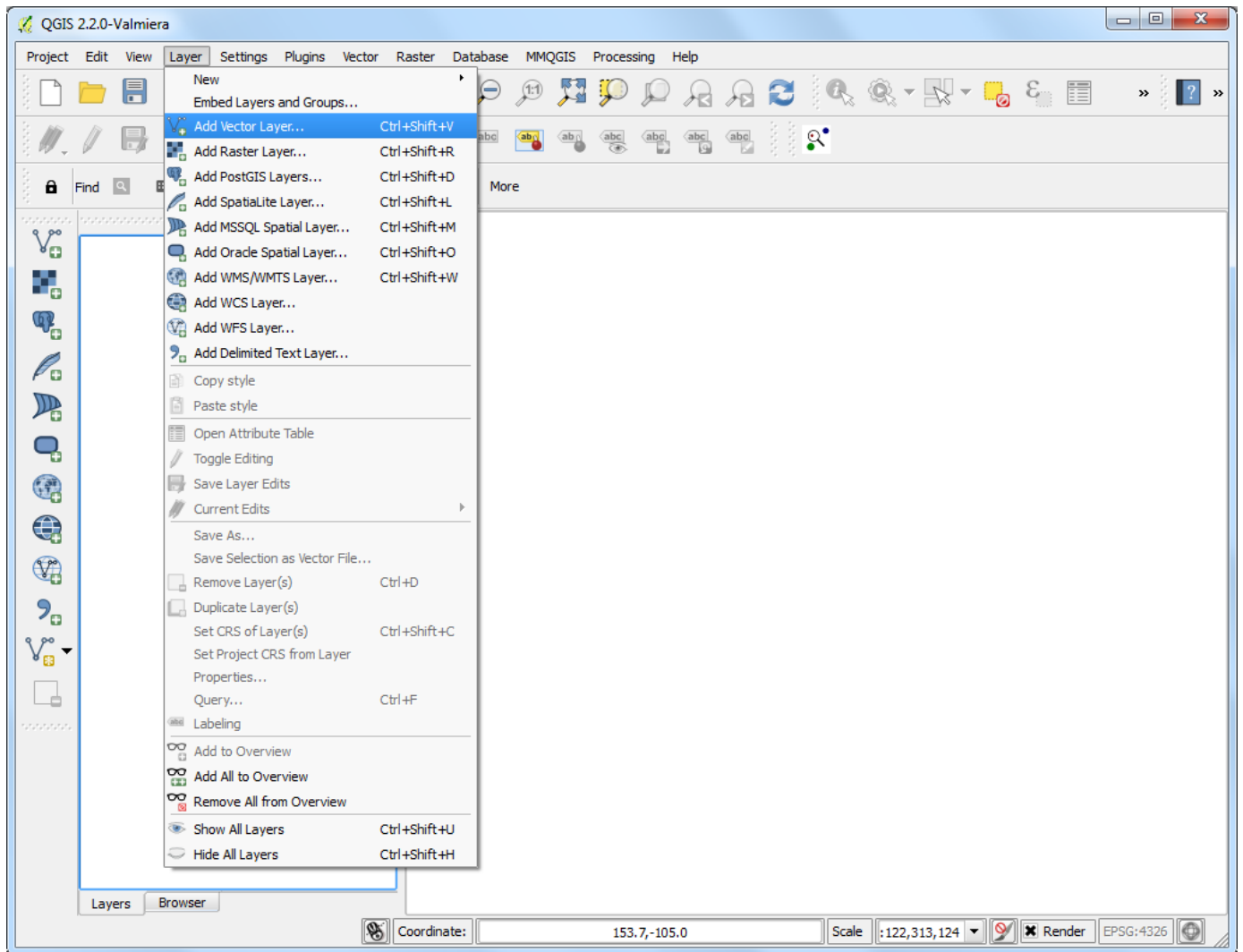
Natural Earth  [http://www.naturalearthdata.com/downloads/10m-
natural-earth-2010-10m-vectors/](http://www.naturalearthdata.com/downloads/10m-
natural-earth-2010-10m-vectors/)

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ne_10m_railroads_north_america.zip

□□□□ [NATURALEARTH]

1. □□ □□ ▶ □□□□□□



2. `ne_10m_railroads_north_america.zip`



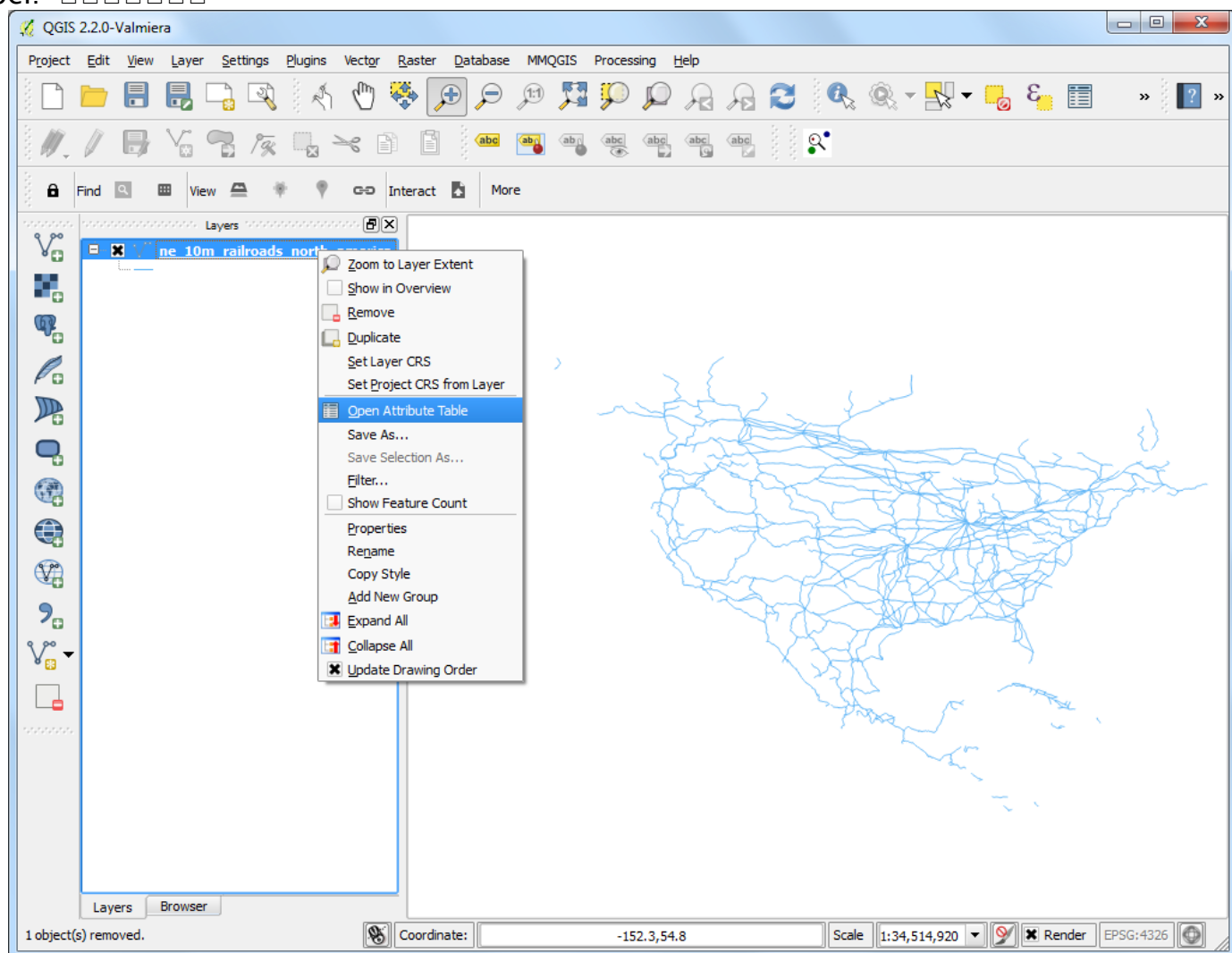
3. `ne_10m_railroads_north_america.shp`



```

:quiblabel:

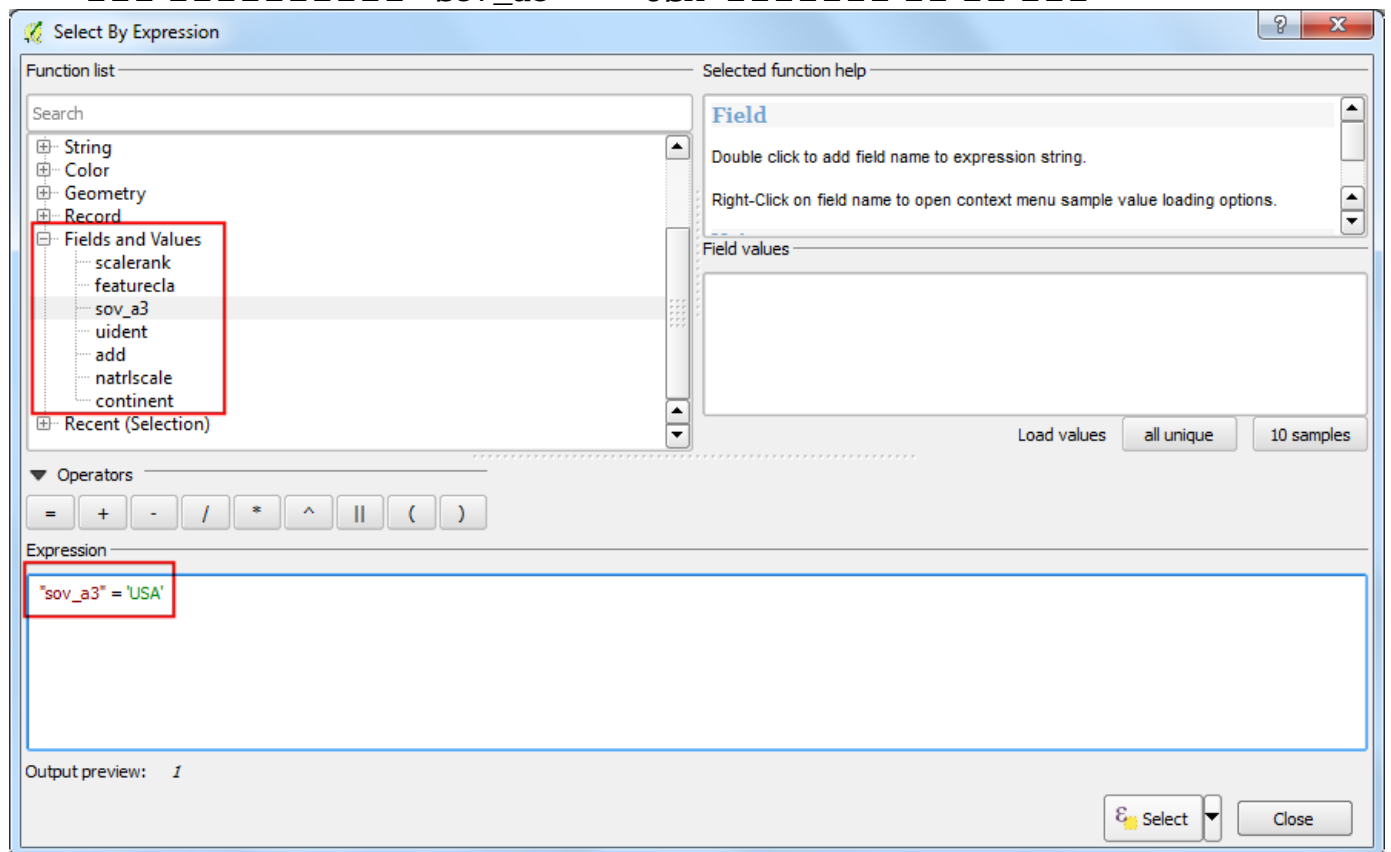
```



5. □□□□□□□□□□

sov_a3

7. 以下の図のように、QGISの「Select By Expression」ダイアログボックスで、`sov_a3` フィールドの値が `'USA'` のレコードを選択する。



8. QGISの「Select By Expression」ダイアログボックスで、以下の図のように、



```
11. ##### north america equidistant conic  
##### North_America_Equidistant_Conic EPSG:102010 CRS  
##### :guilabel: ``
```



12. `gui_label = QLabel('North America Equidistant Conic', self)`



13. □□□□□□ QGIS □□□□□□ *usa_railroads* □□□□□□□□□□□□□□□□□□
ne_10m_railroads_north_america □□□□□□□□□□□□

Attribute table - usa_railroads :: Features total: 752, filtered: 752, selected: 0



	scalerank	featuredata	sov_a3	uident		continent
0	8	Railroad	USA	1506	0	North America
1	9	Railroad	USA	1606	1	North America
2	8	Railroad	USA	1706	0	North America
3	8	Railroad	USA	1806	0	North America
4	8	Railroad	USA	1906	0	North America
5	8	Railroad	USA	2006	0	North America
6	8	Railroad	USA	2106	0	North America
7	9	Railroad	USA	2206	1	North America
8	8	Railroad	USA	2306	0	North America
9	8	Railroad	USA	2406	0	North America
10	8	Railroad	USA	2506	0	North America
11	8	Railroad	USA	2606	0	North America
12	8	Railroad	USA	2706	0	North America
13	8	Railroad	USA	2806	0	North America
14	9	Railroad	USA	2906	1	North America
15	9	Railroad	USA	3006	1	North America
16	8	Railroad	USA	3106	0	North America
17	8	Railroad	USA	3206	0	North America
18	8	Railroad	USA	3306	0	North America
19	8	Railroad	USA	3506	0	North America
20	8	Railroad	USA	3606	0	North America
21	8	Railroad	USA	3706	0	North America
22	8	Railroad	USA	3806	0	North America
23	9	Railroad	USA	3906	1	North America

Show All Features

16. $\frac{\text{length_km}}{1000} \times 2$ $\times \text{CRS}$



17. □□ □□□□□□ length_km □□□□□□□□□□ □□□□□□ □□□□□□□□□□

Basics statistics

Input Vector Layer
usa_railroads

☐ Use only selected features

Target field
length_km

Statistics output

Parameter	Value
Mean	127.751569149
StdDev	125.80562595
Sum	96069.18
Min	0.01
Max	936.6
N	752.0
CV	0.984767755...
Number of unique values	743

Press Ctrl+C to copy results to the clipboard

0% OK Close