

Basic Raster Styling and Analysis

QGIS Tutorials and Tips



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□ □□□□□ Columbia University□ [Gridded Population of the World \(GPW\) v3](#) □□□□□ □□□ □□□□. □□, 1990□□ 2000□ □□□ ASCII □□□ □ □□□ □□□□ □□□ □□□□ □□□□□. □□□□ □□ □□□□ □□□ □□ □□□□□□□ □□□□□.

1. Go to the [Population Density Grid, v3 download page](#). Select the Data Attributes as .ascii format, 1° resolution and 1990 year. Click Download. At this point, you may create a free account and login, or use the Guest Download button at the bottom to immediately download the data. Repeat the process for 2000 year data.

Set Overview

Data Download

Maps

Map Services

Metadata

Downloads

Recommended Citation:

Center for International Earth Science Information Network - CIESIN - Columbia University, and Centro Internacional de Agricultura Tropical - CIAT. 2005. Gridded Population of the World, Version 3 (GPWv3): Population Density Grid. NY: NASA Socioeconomic Data and Applications Center (SEDAC). <http://sedac.ciesin.columbia.edu/data/set/gpw-density>. Accessed DAY MONTH YEAR.

Download this Citation:

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ENW

Use this format for EndNote and RefWorks software.

RIS

Use this format for ProCite, Reference Manager and Zotero software.

Data:

Geography:

Region ▾ » Global ▾

Data Set:

Population Density Grid ▾

Data Attributes:

.ascii ▾

1° ▾

1990 ▾

Download

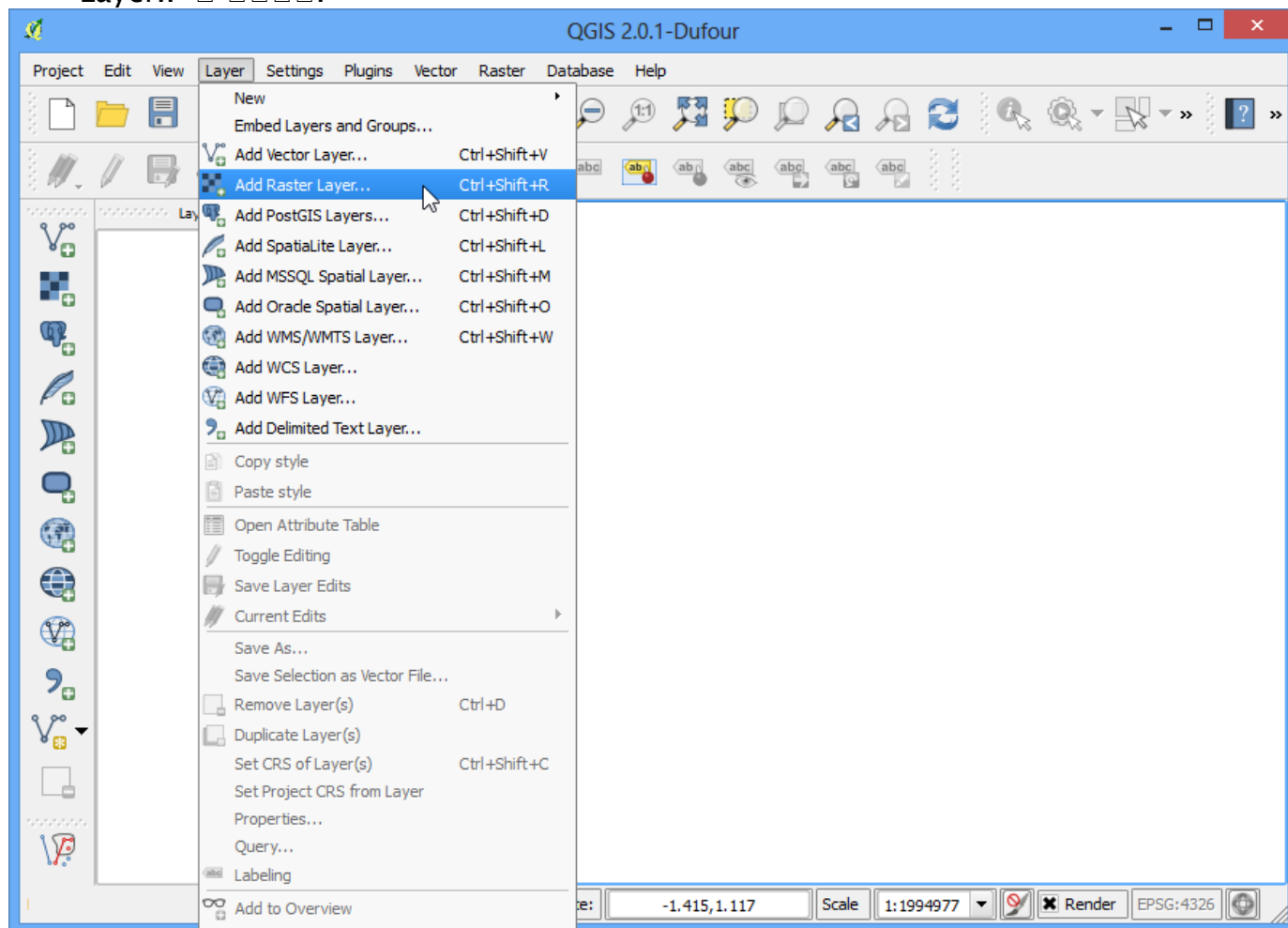
 feedback and support

2. 200 000000 000000 00000.

000 00 [GPW3]

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2. QGIS 000000 00 000 --> 000 000 00 :menuselection: Layer --> Add Raster Layer.. 0 0000.



3. 000000 000000 0000. 0000 :kbd: Ctrl 0 0000 000 000000 000000. 0 0000
0 00 000 000 000 0 00000. 000 00 0 00 000 0000 00 00 0000 000000.



4. □ □□□□□ 2□□ □□□□□□ □□□□□□. □□□□ □□ `a` □ □□□□ UN □□□ □□□ □□ □□□□. □ □□□□□ □□ □□□□ □□ □□□□. `glds00ag60.asc` □ □□□ □□□□ □□□□□□. :guilabel: `OK` □ □□□□□.



5. □□□□ □□□ CRS □ □ □ □ □□□□. □□ □□□□ □□/□□□□□ □□□□□ `EPSG:4326` □ □□□□□.



6. 在弹出的对话框中，选择 WGS 84 坐标系。单击 OK 按钮。



7. 在弹出的对话框中，选择 EPSG:4326 坐标系。单击 OK 按钮。



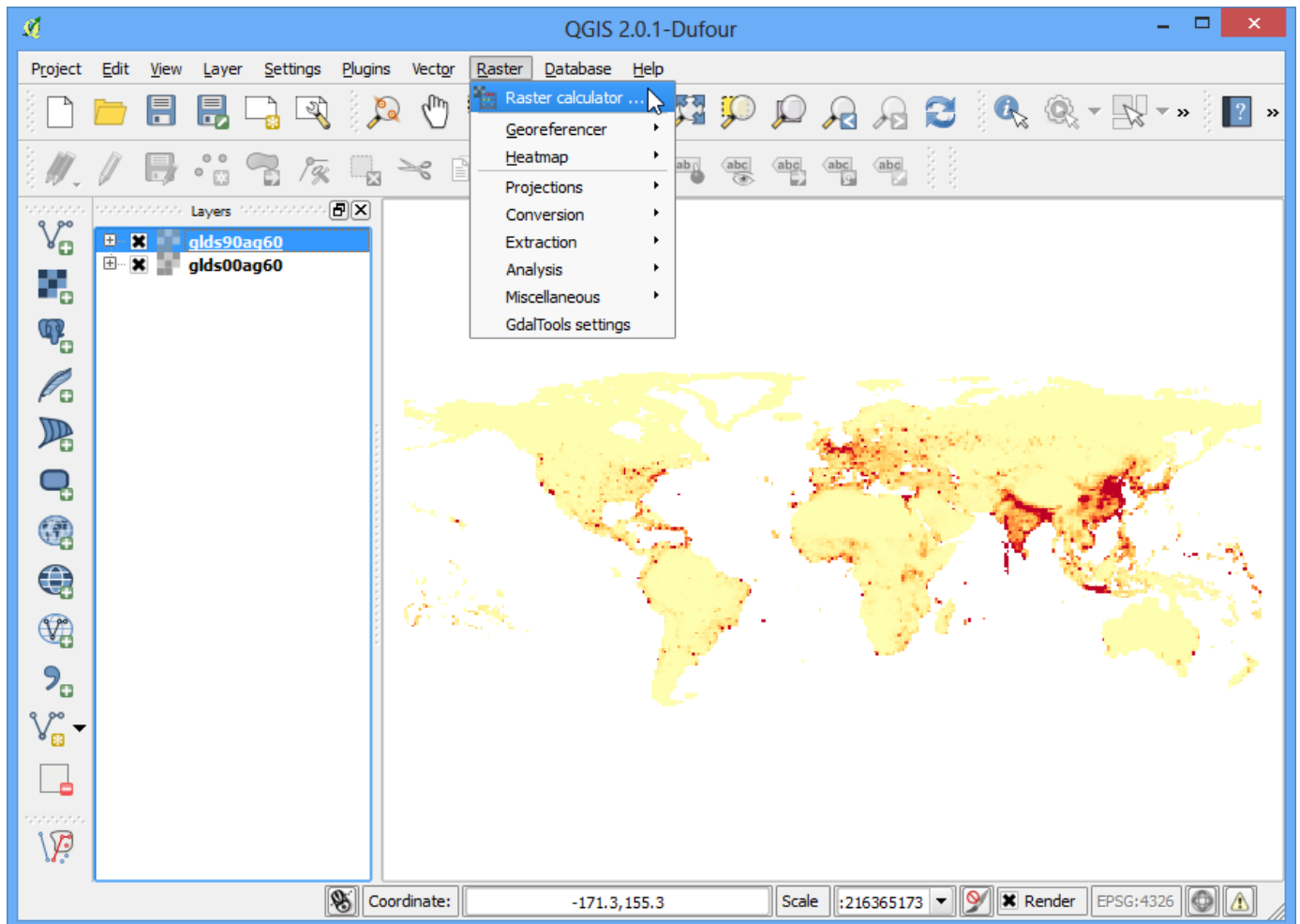
8. QGIS 项目 坐标 系统 选择。 项目 坐标 系统 选择。 项目 坐标 系统 选择， 项目 坐标 系统 选择。



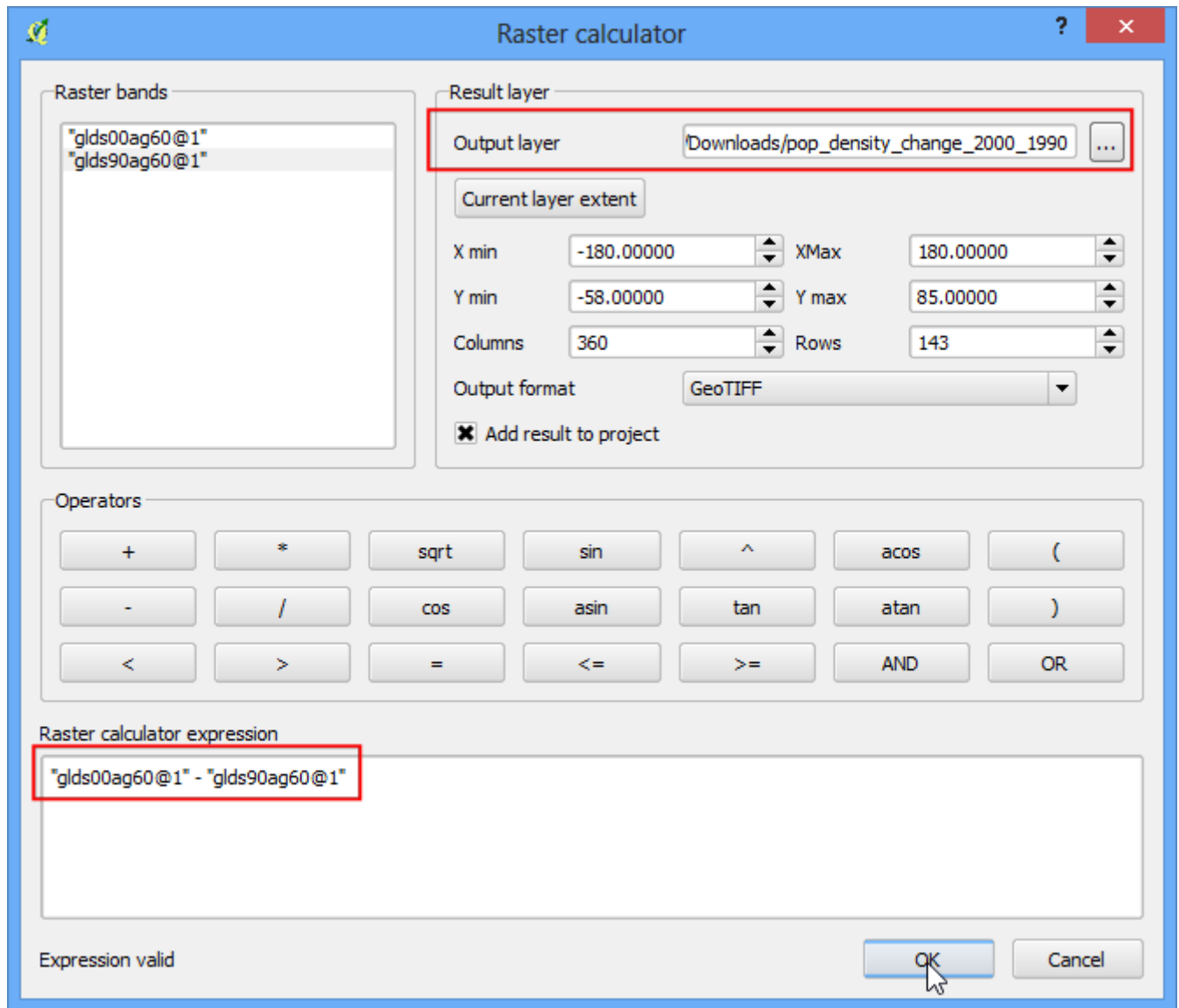
10. 〇〇〇〇〇 〇〇〇 〇〇 〇〇 〇〇〇 〇〇 〇〇〇 〇〇〇 〇〇〇〇 〇 〇〇〇 〇〇〇〇. 〇〇〇〇〇 〇〇〇〇 〇〇〇 〇〇〇 〇〇〇〇 〇〇 :guilabel: `Properties` 〇 〇〇〇〇〇. TOC 〇, Table of Contents 〇〇 〇〇〇〇〇 〇〇〇〇〇〇〇 〇〇〇 〇〇 〇〇〇〇〇〇〇 〇 〇〇 〇〇〇〇.



12. QGIS の Style タブで、単バンド擬似カラーで表示する。カラーマップを生成し、5 クラスで表示する。カラーマップの範囲を 0 から 440.32 とし、YlOrRd カラーマップを使用する。



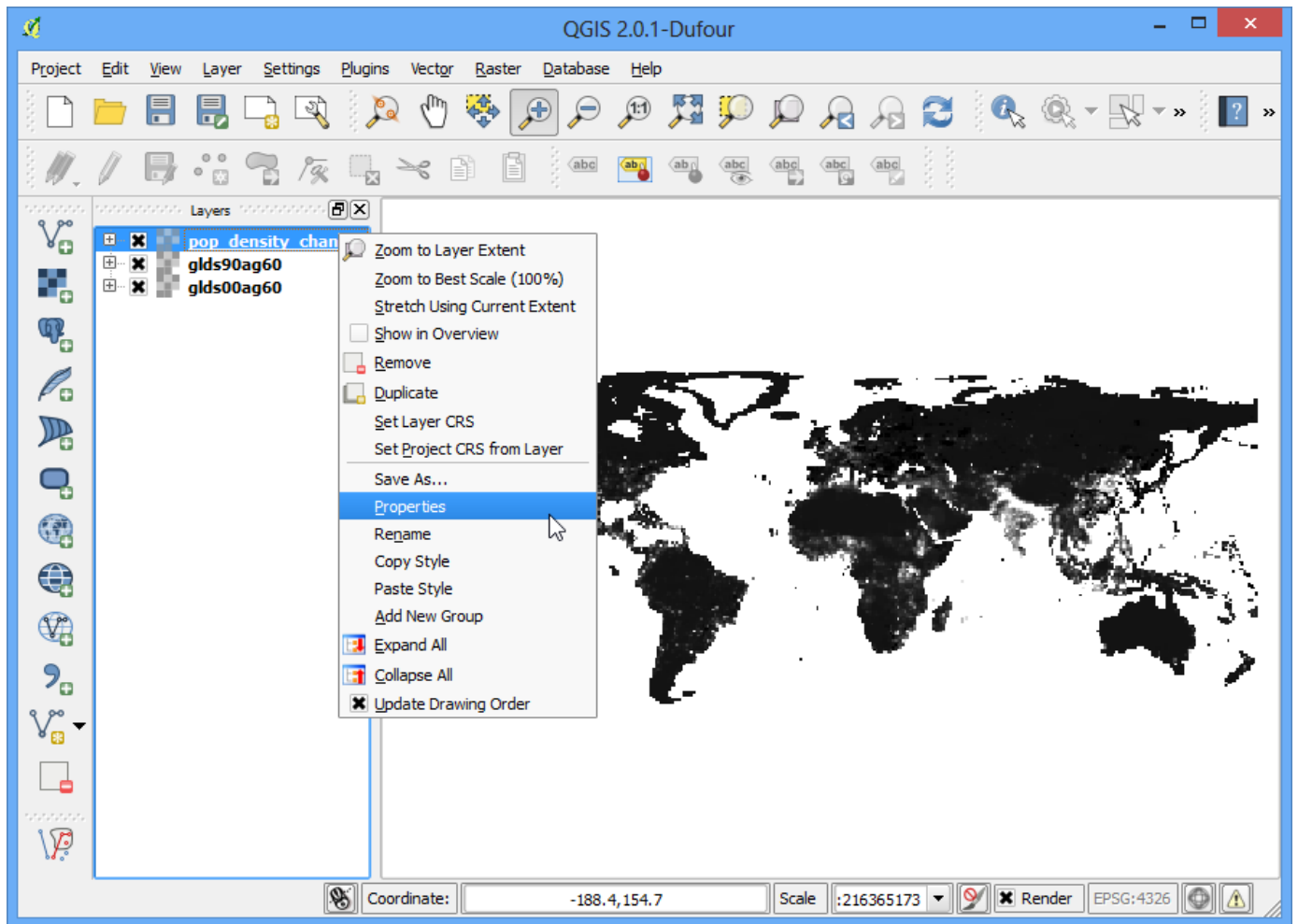
- [illegible]



15. □ □□ □□□ QGIS□□ □□ □□□ □□ □ □ □□□.



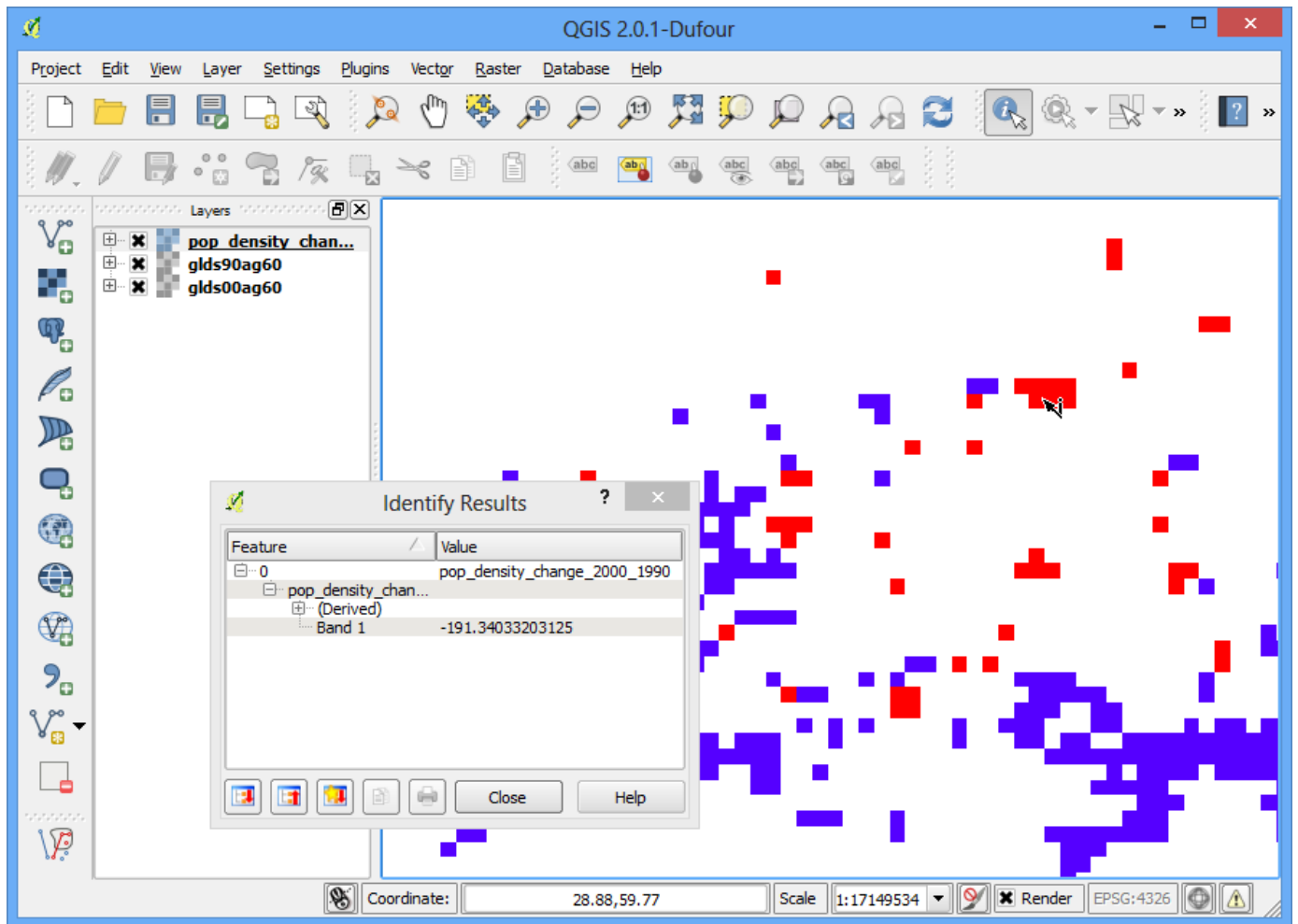
16. `pop_density_change_2000_1990`, `pop_density_change_2000_1990`.
 :guiLabel: Properties



17. 〇〇〇〇 〇〇〇〇〇〇 〇〇 〇〇 〇〇 〇〇〇 〇〇〇〇 〇〇 〇〇 〇〇 〇〇 〇〇. 〇 〇〇〇 〇〇 〇〇 〇〇〇〇 :guilabel: `Metadata` 〇〇〇 〇〇. 〇〇〇 〇〇〇〇 〇〇〇 〇〇〇〇. 〇 〇〇〇〇 〇〇 〇 〇〇〇〇 〇〇〇〇.



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18. 00 000 Style 000 000. 00 000 :guilabel: `Band Rendering` 00 00 00
:guilabel: `Render type` 00 0000 0000 :guilabel: `Singleband pseudocolor` 0
00000. 00 00 :guilabel: `Color interpolation` 00 00 :guilabel: `Discrete` 0
00000. 400 00 00000 000 00 00 0000 000 :guilabel: `Add entry` 0 40
00000. 00 0000 00 0 0000 00000. 00000 0 0000 0000 000 00 00 0
0000 000 00000. 00000 0000 -2000 00000 000 0000 -2000 0 00000.
000 No Data 0, 00000 00 000 00000. 00 0000 0000 00 000 000 00
0000 :guilabel: `OK` 0 00000.
```

21. `menuselection: Raster --> Raster calculator`



22. `pop_density_change_2000_1990@1 < -10` `negative_pop_change_2000_1990`
 Add result to project
 OK



```
23. 00 000 0000 0000000. 000 000 000 0 00 00 :guilabel: `Properties` 0
00000. 000 :guilabel: `Transparency` 000 0000 no data value
:guilabel: `Additional no data value` 0 0 00000. 000 000 0 00 00 00 00
0000 0000. :guilabel: `OK` 0 00000.
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24. □□ □□□□□ □□□ □□□ □ □ □□□□.

