

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

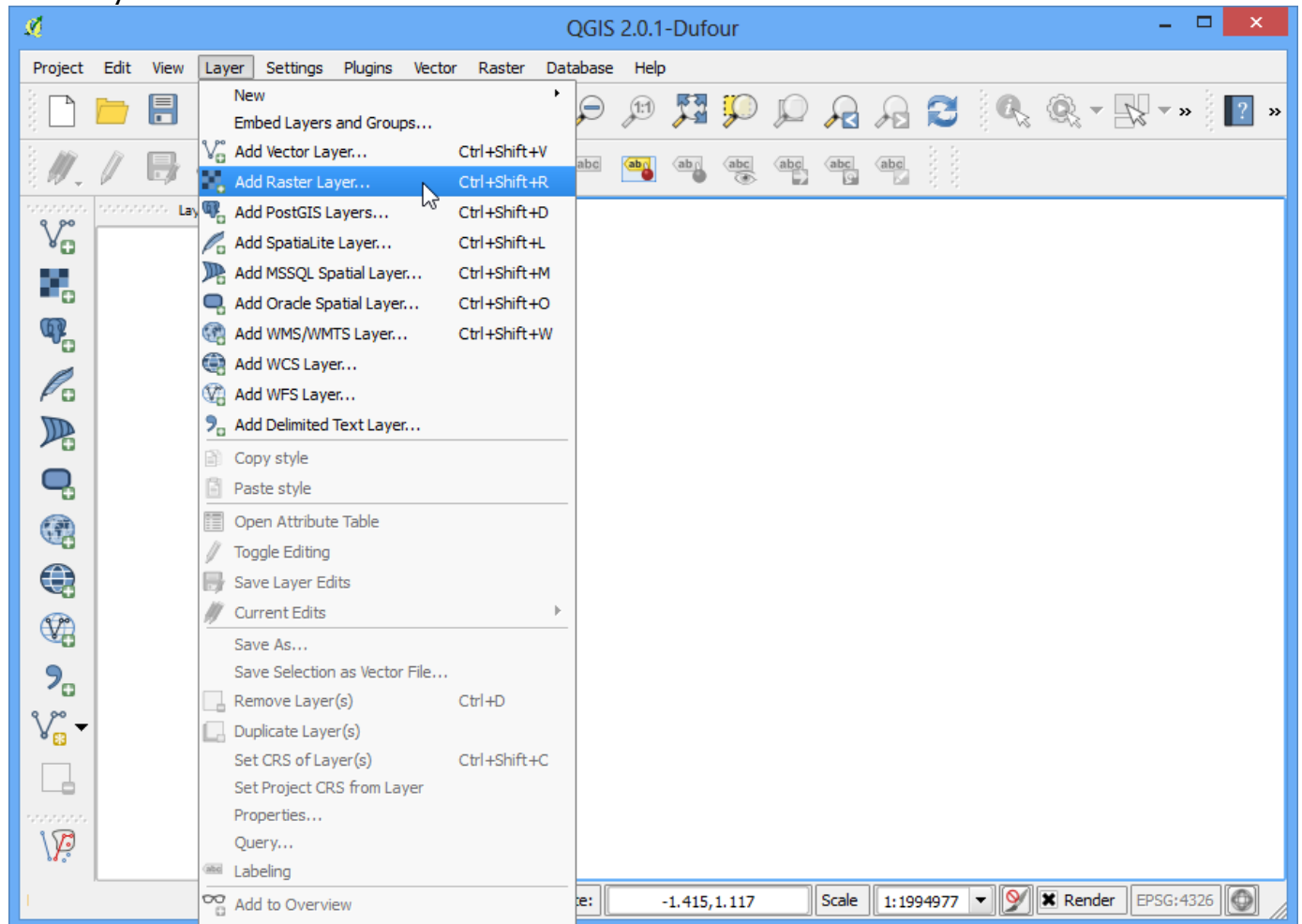
 feedback and support

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。



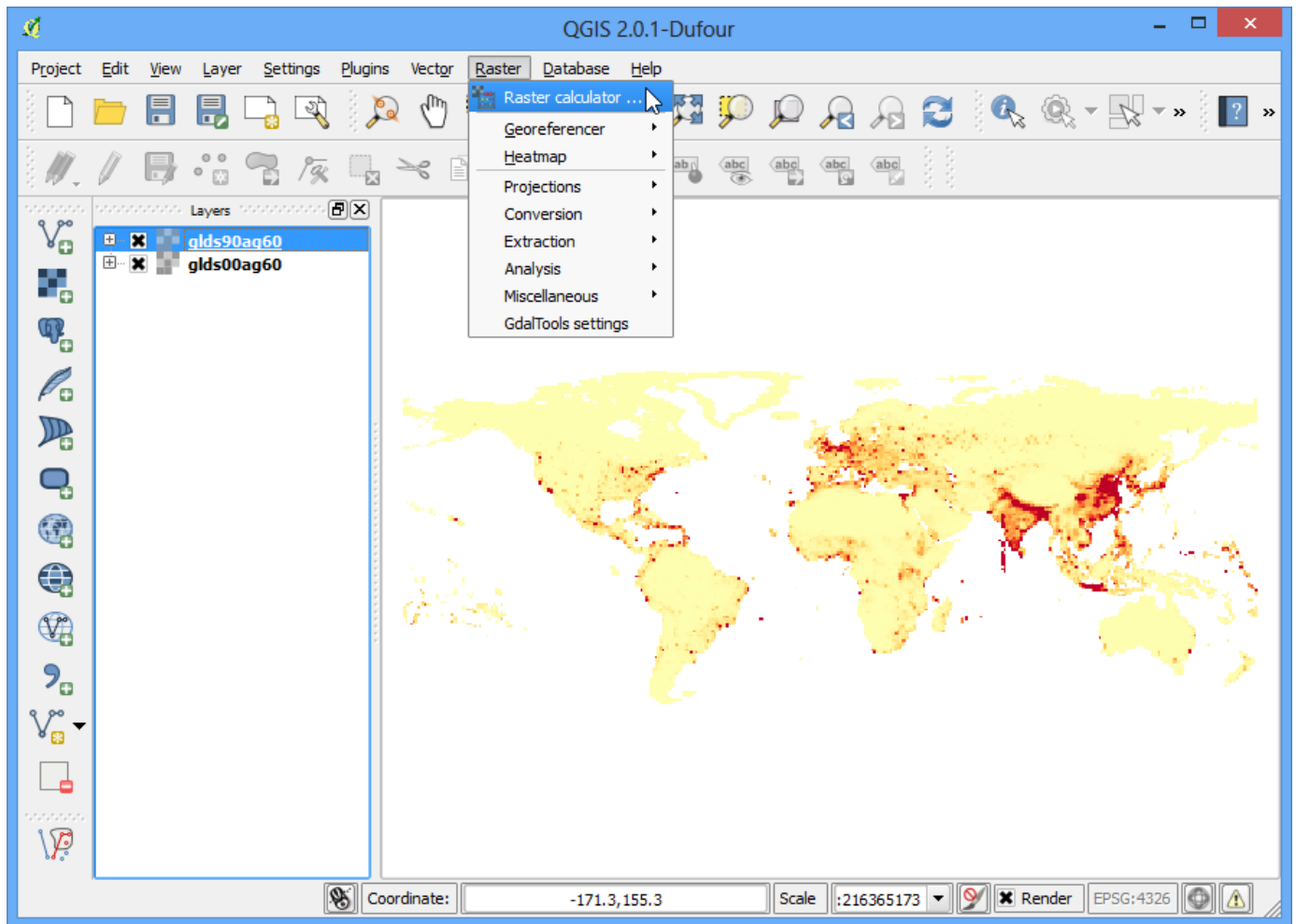
8. QGIS 的 CRS 对话框如下图所示。请根据对话框中的信息，选择正确的 CRS。



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.



12. QGIS の Style タブで、単バンド擬似カラーでバンド 1 をレンダリングする。カラーマップを生成し、累積カウントカットで 2.0 から 98.0% の範囲で値を分類する。範囲を全範囲とし、推定（高速）の精度で表示する。



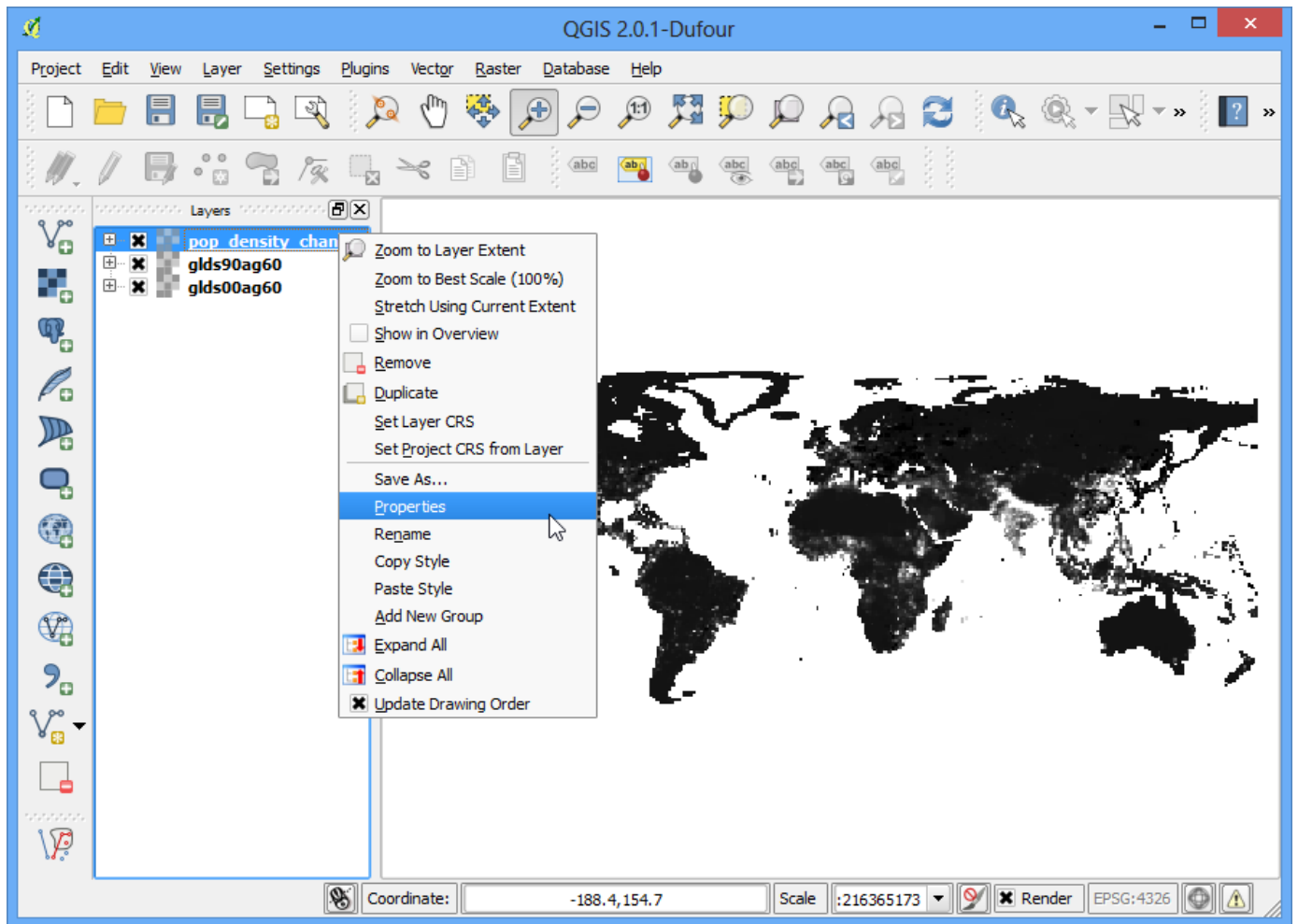
- ```
14. 000 00 Raster bands 00 0000 00000000 0000 000 0 0000. 000 000 00
00 @0 0000 0000. 000 0000 00 000 000 000000 00000 1 00 00 0 0
0000. 000 0000 000 000 00 0000 000 0 0 0000. 0000 200000 000000
199000 00000 00 000 00 00000. 0 glds00ag60@1 - glds90ag60@1 0
00000. 00 0000 :guilabel:`pop_density_change_2000_1990.tif` 0 0000 000
00000 00 :guilabel:`Add result to project` 000 00000. :guilabel:`OK` 0
00000.
```



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



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



17. 0000 000000 000 00 000 000 0000 0000 00 00 000 00 0000. 0 000 00  
00 00000 :guilabel: `Metadata` 0000 0000. 0000 00000 0000 000000. 0 00000 00  
0 00000 000000.

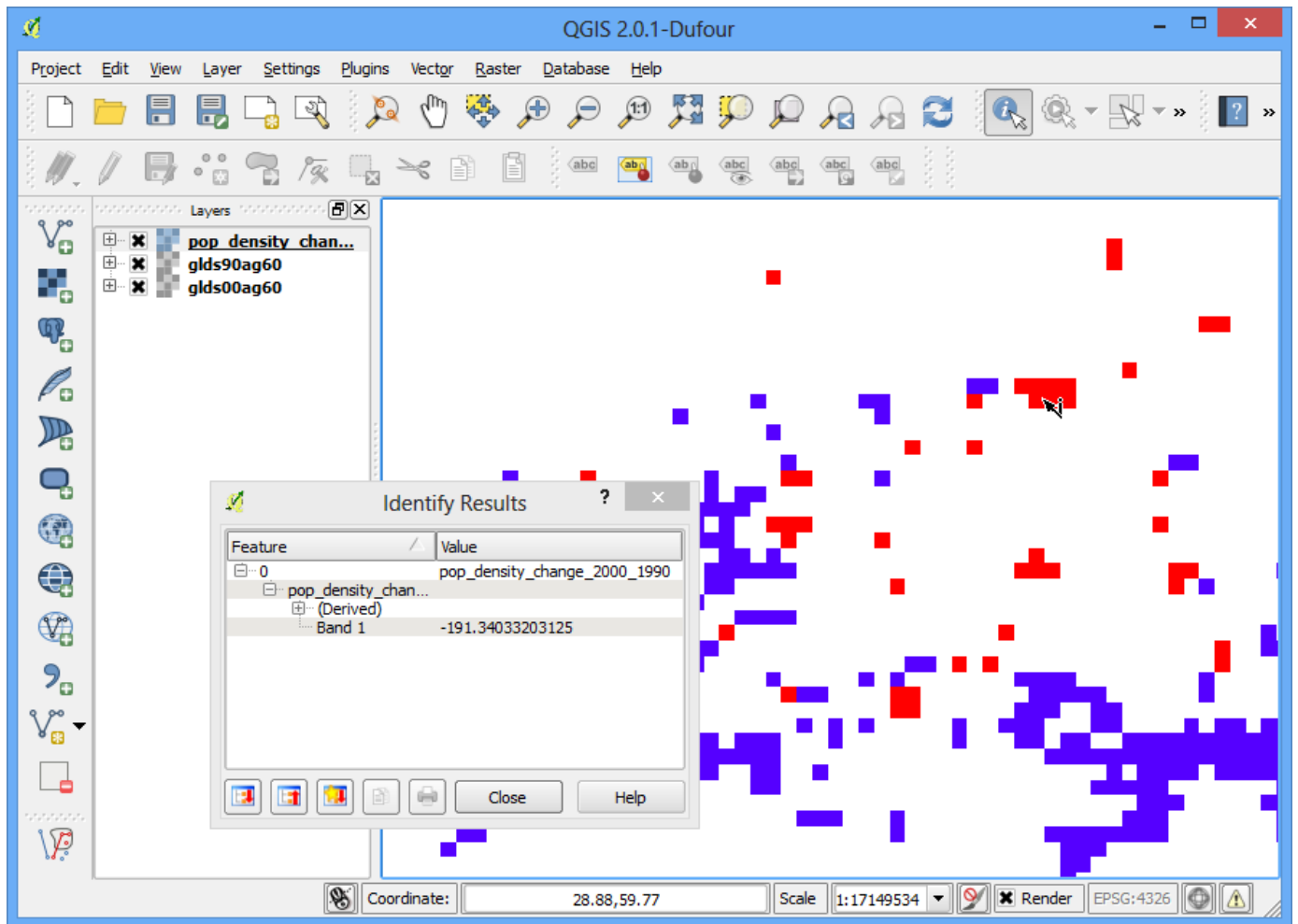


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18. 00 000 Style 000 000. 00 000 :guilabel: `Band Rendering` 00 00 00
:guilabel: `Render type` 00 0000 0000 :guilabel: `Singleband pseudocolor` 0
00000. 00 00 :guilabel: `Color interpolation` 00 00 :guilabel: `Discrete` 0
00000. 400 00 00000 000 00 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.
```





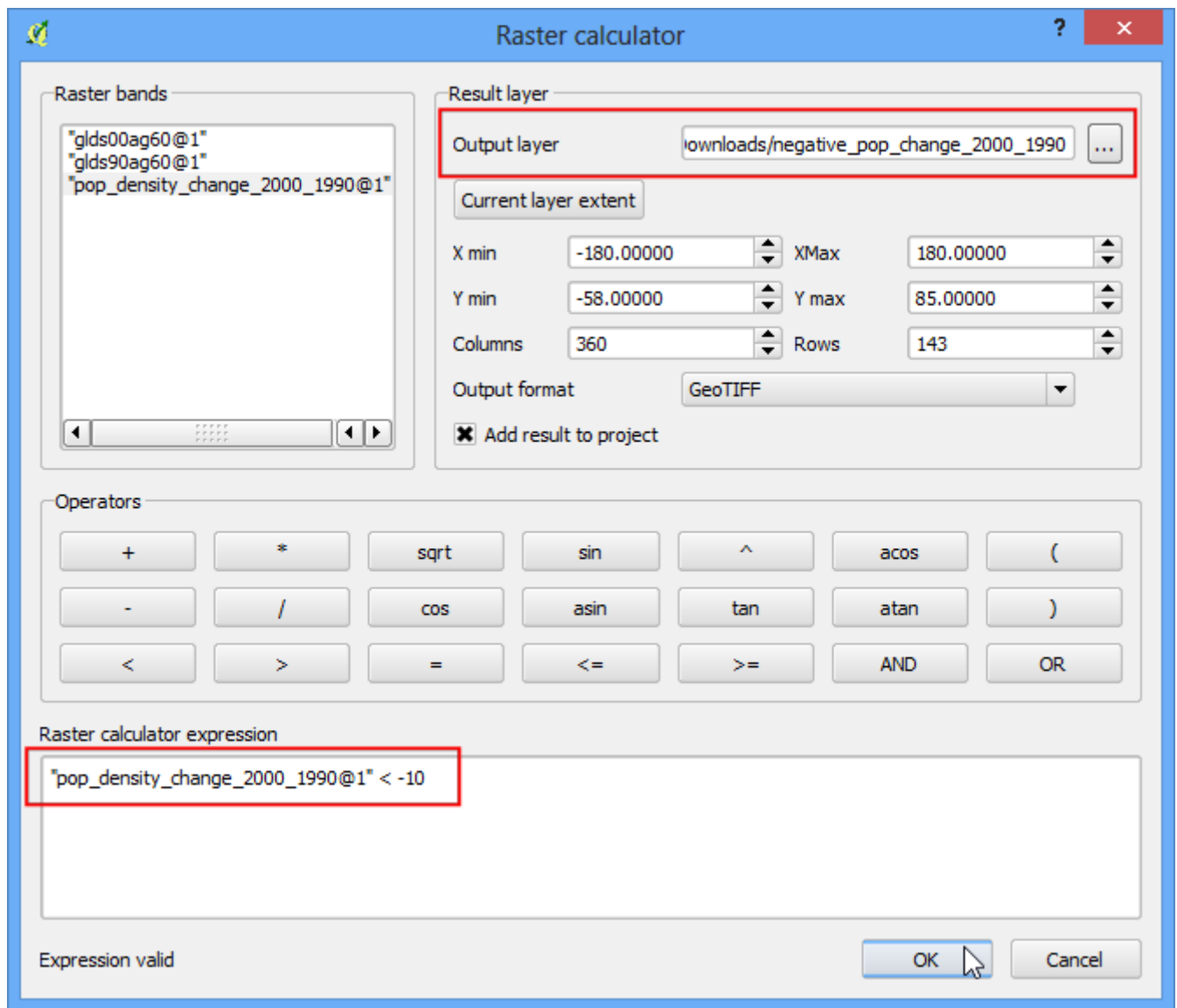




21. `menuselection: Raster --> Raster calculator`



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



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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 00 00000. 000 000 00 00 00 00
0000 0000. :guilabel: `OK` 0 00000.
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24. □□ □□□□□ □□□ □□□ □ □ □□□□.

