

Basic Raster Styling and Analysis

QGIS Tutorials and Tips



Author

Ujaval Gandhi

<http://google.com/+UjavalGandhi>

Translations by

SongHyun Choi

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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:

Please check the Research Note field for issues pertaining to importing authors that are organizations.

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

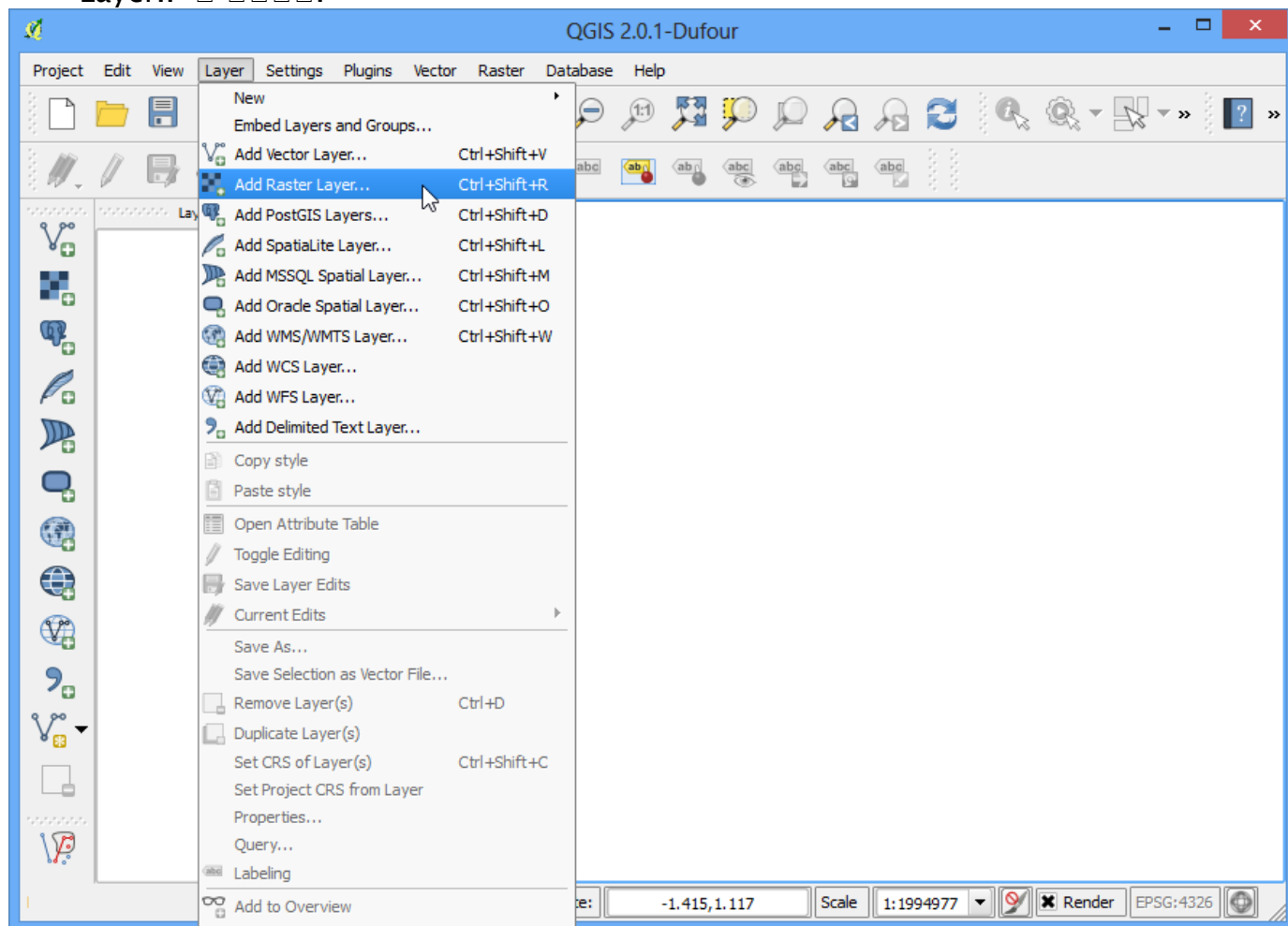
 feedback and support

2. 200 000000 000000 00000.

000 00 [GPW3]

00

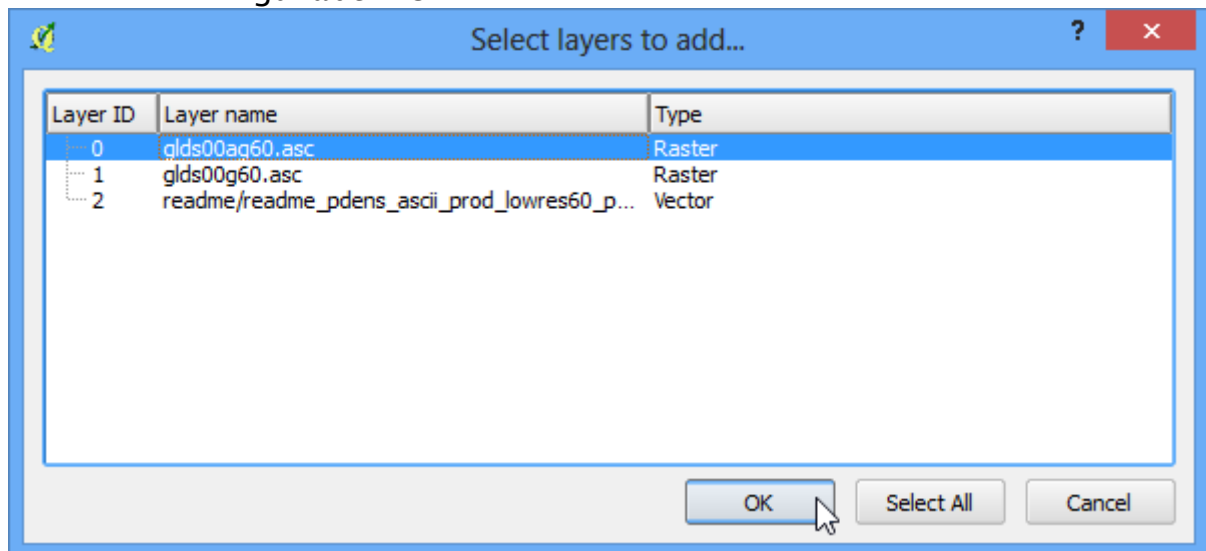
2. QGIS 000000 00 000 --> 000 000 00 :menuselection: Layer --> Add Raster Layer.. 0 0000.



3. 000000 000000 00000. 00000 :kbd: Ctrl ` 00000 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。



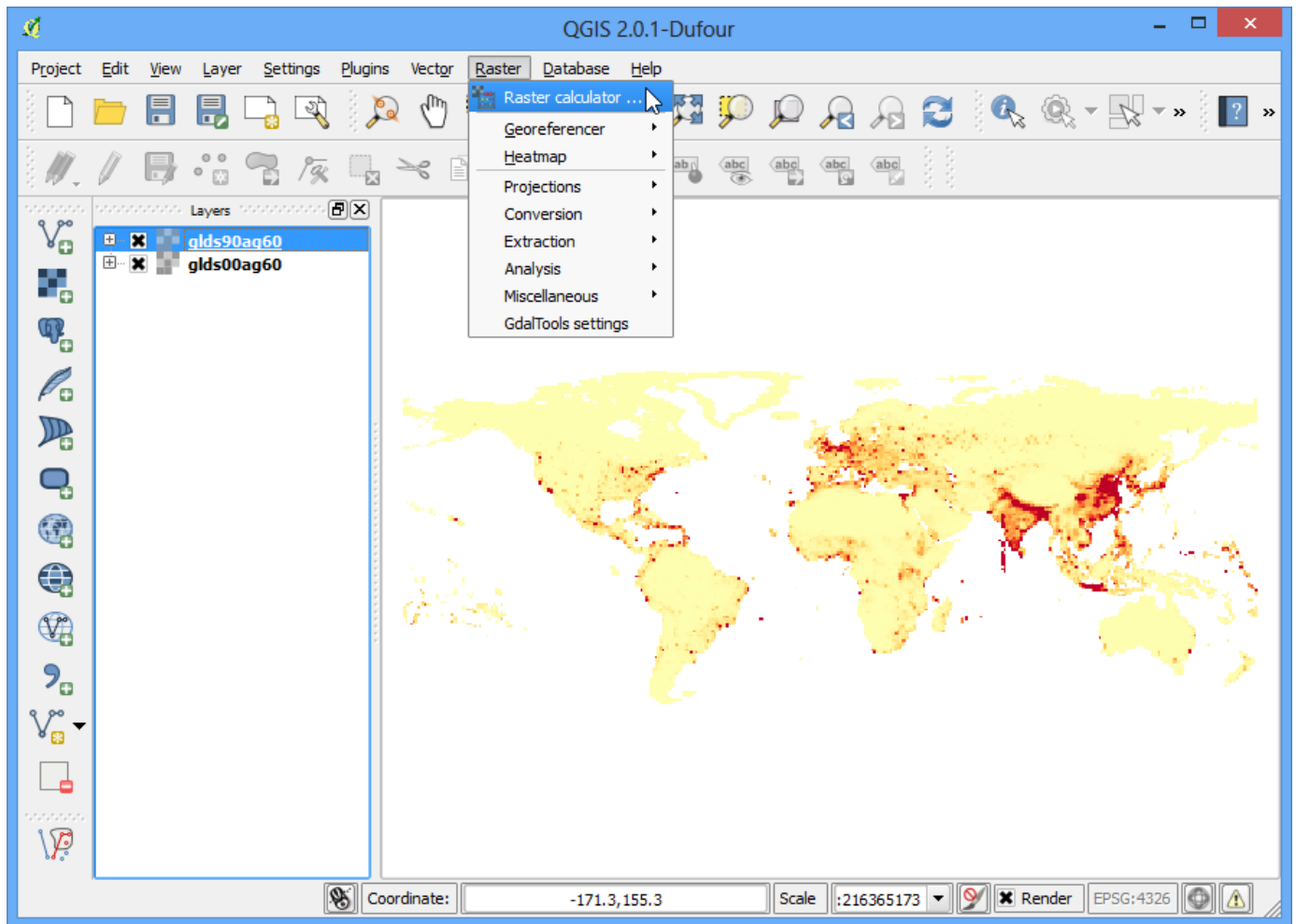
8. QGIS 的 CRS 对话框如下图所示。请根据对话框中的信息，选择正确的 CRS。



10. 00000 000 00 00 000 00 000 000 0000 0 000 0000. 00000 0000 000
 000 0000 00 :guilabel: `Properties` 0 00000. TOC 0, Table of Contents00
 00000 000000 000 00 0000000 0 00 0000.



12. QGIS の Style タブで、単バンド擬似カラーで Band 1 をレンダリングする。カラーマップを生成し、5 クラスで、0 から 440.32 の範囲で、YlOrRd カラーマップを使用する。Classify ボタンをクリックする。



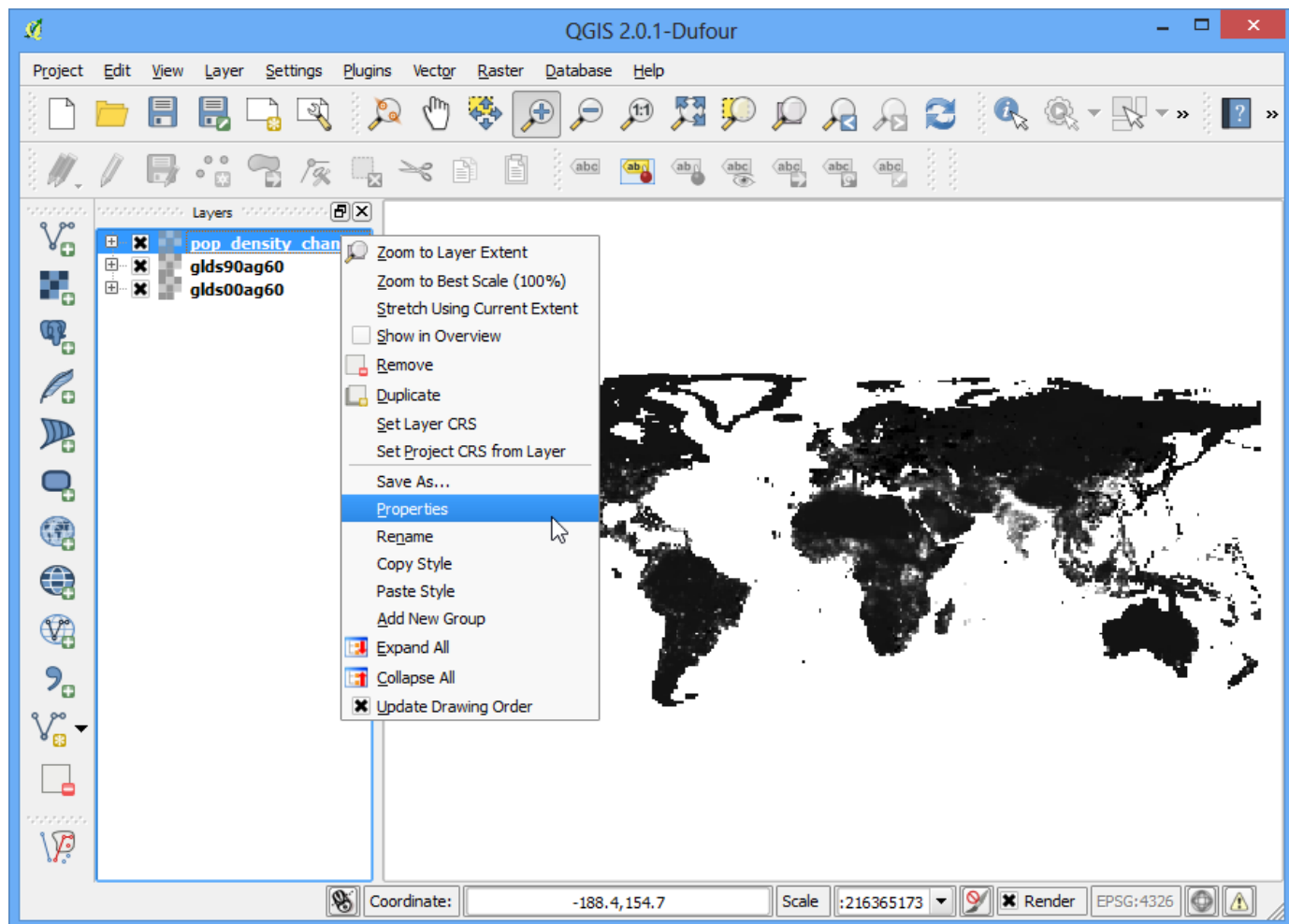
- ```
14. 000 00 Raster bands 00 0000 00000000 0000 000 0 0000. 000 000 00
00 @0 0000 0000. 000 0000 00 000 000 000000 00000 1 00 00 0 0
0000. 000 0000 000 000 00 0000 000 0 0 0000. 0000 200000 000000
199000 00000 00 000 00 00000. 0 glds00ag60@1 - glds90ag60@1 0
00000. 00 0000 :guilabel:`pop_density_change_2000_1990.tif`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



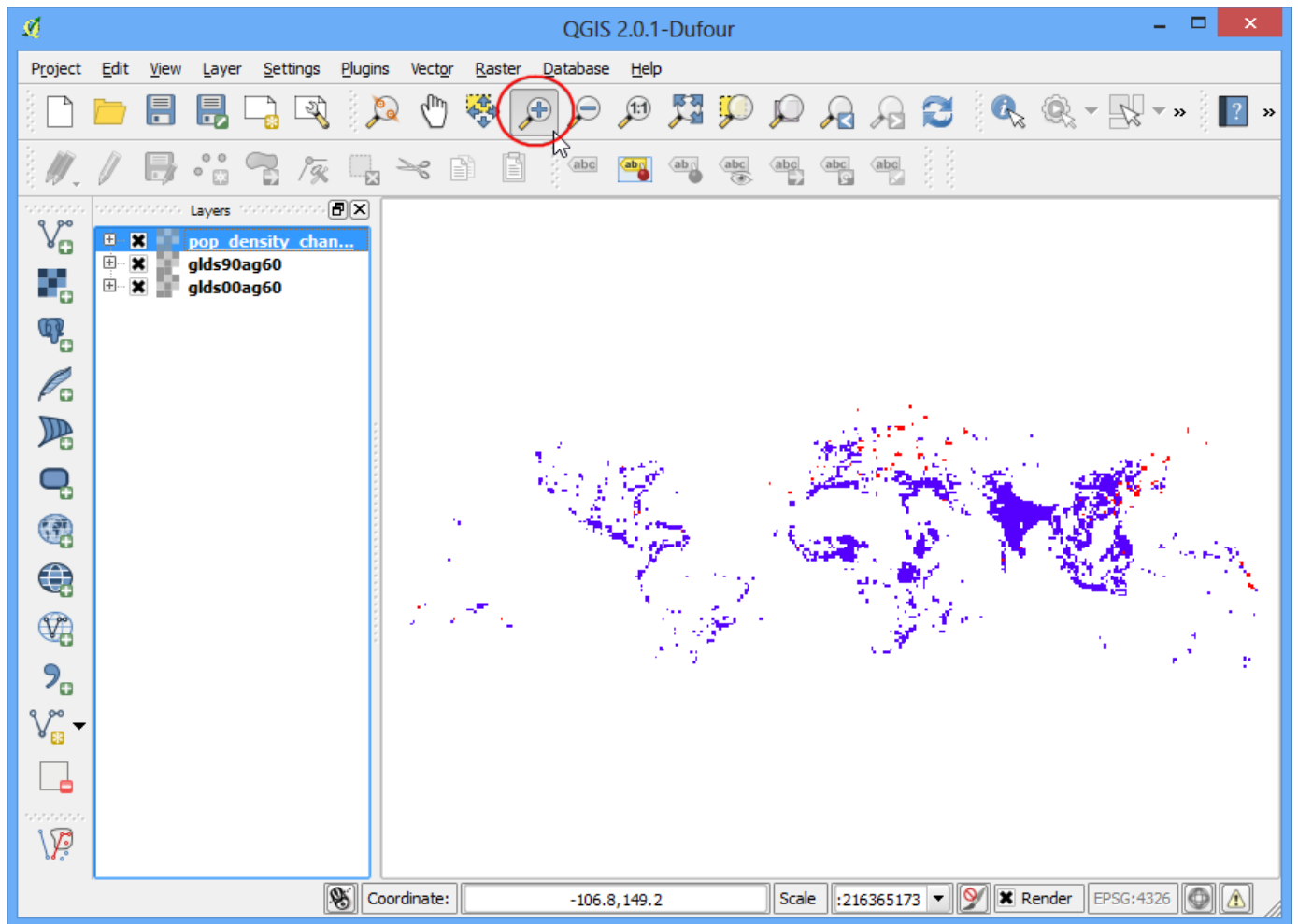
17. 0000 000000 000 00 000 000 0000 0000 00 00 000 00 000. 0 000 00  
 00 00000 :guilabel: `Metadata` 0000 000. 0000 00000 0000000. 0 00000 00  
 0 00000 000000.



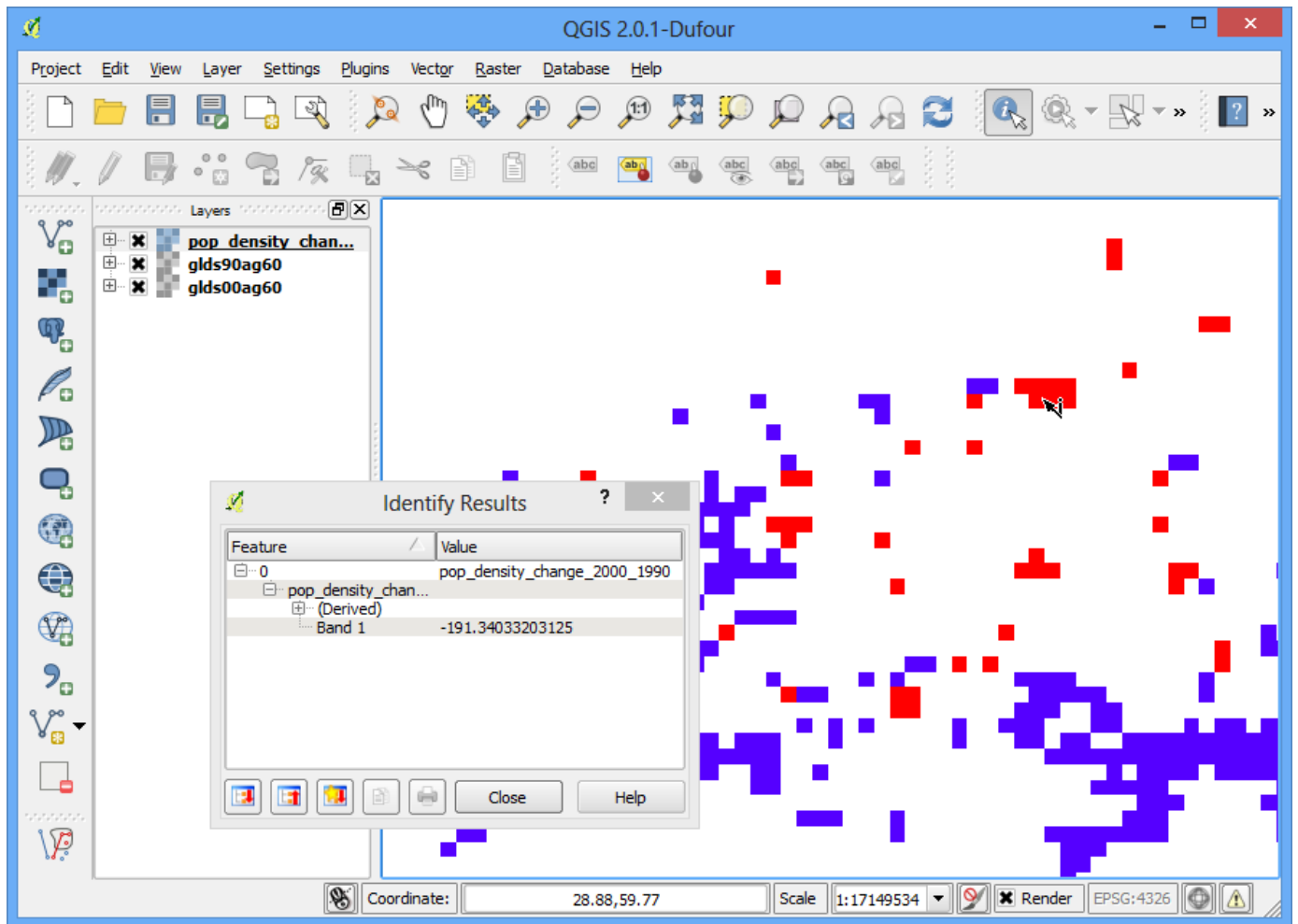
```
18. 00 000 Style 000 000. 00 000 :guilabel: `Band Rendering` 00 00 00
:guilabel: `Render type` 00 0000 0000 :guilabel: `Singleband pseudocolor` 0
00000. 00 00 :guilabel: `Color interpolation` 00 00 :guilabel: `Discrete` 0
00000. 400 00 00000 000 00 00 0000 000 :guilabel: `Add entry` 0 40
00000. 00 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.
```







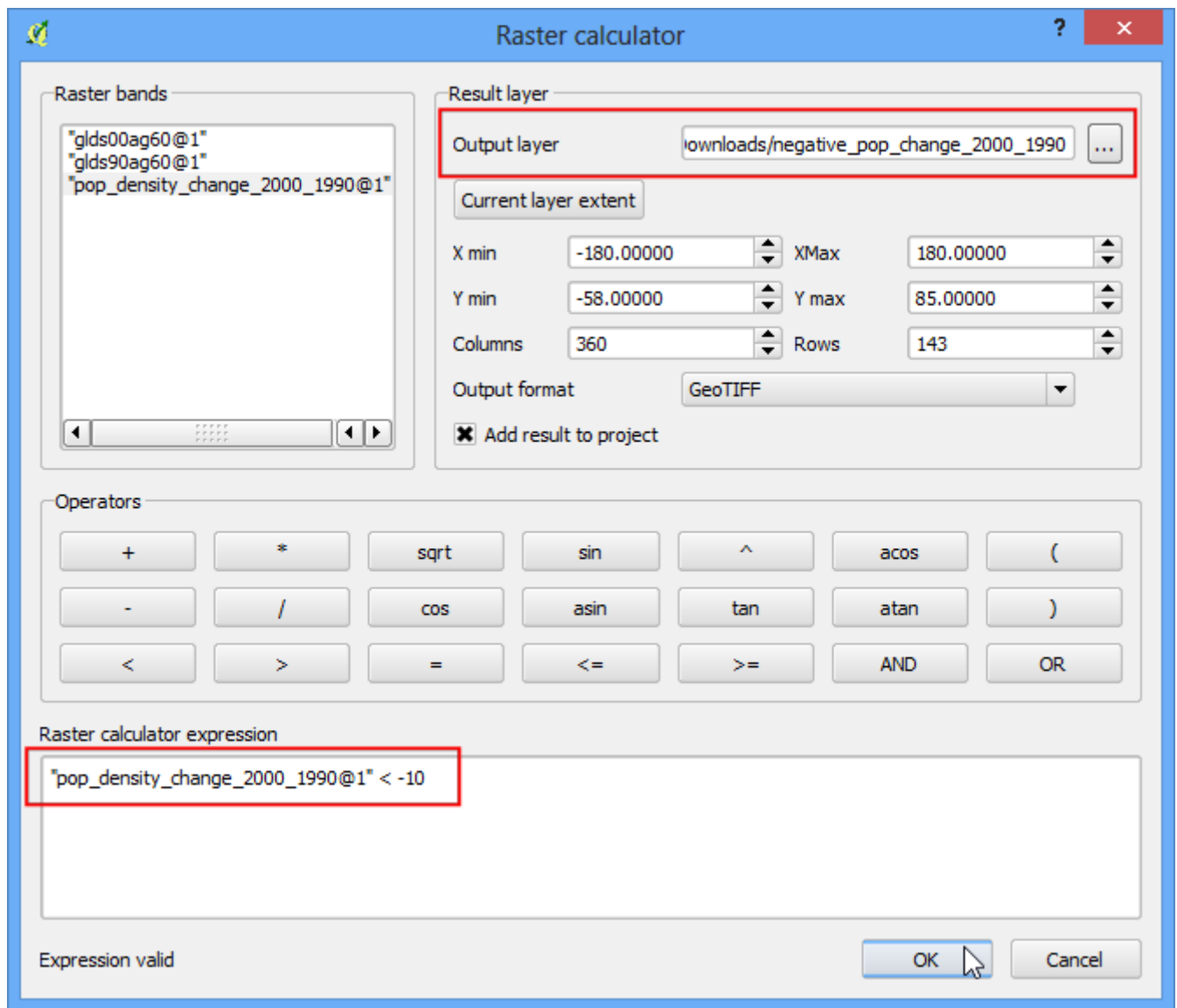
20. `guiabel: `Identify`` 工具图标, 用于识别地图上的要素。  
 该工具位于顶部工具栏中, 图标是一个带有加号的放大镜。



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



24. □□ □□□□□ □□□ □□□ □ □ □□□□.

