

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

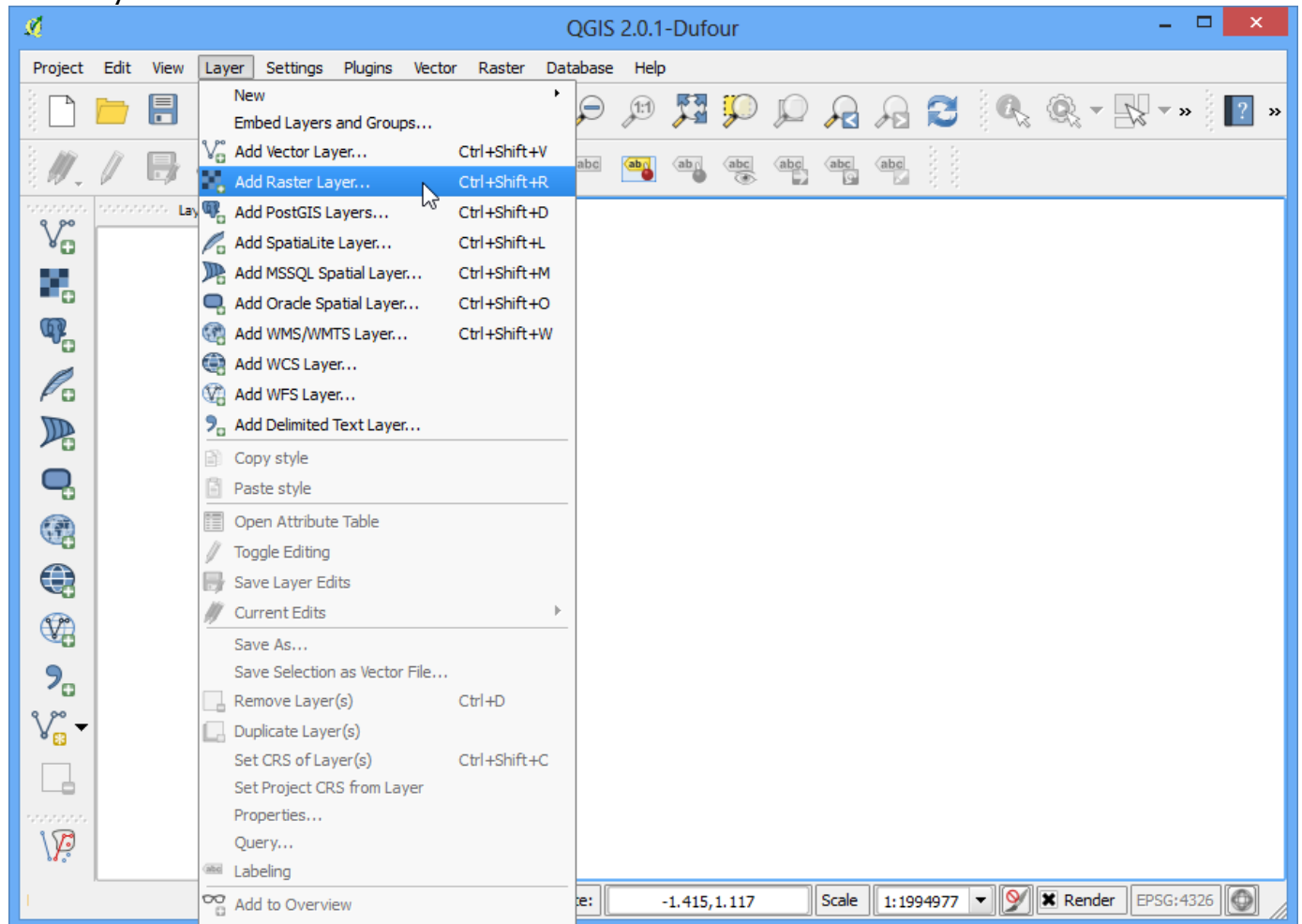
 feedback and support

2. 200 000000 000000 00000.

000 00 [GPW3]

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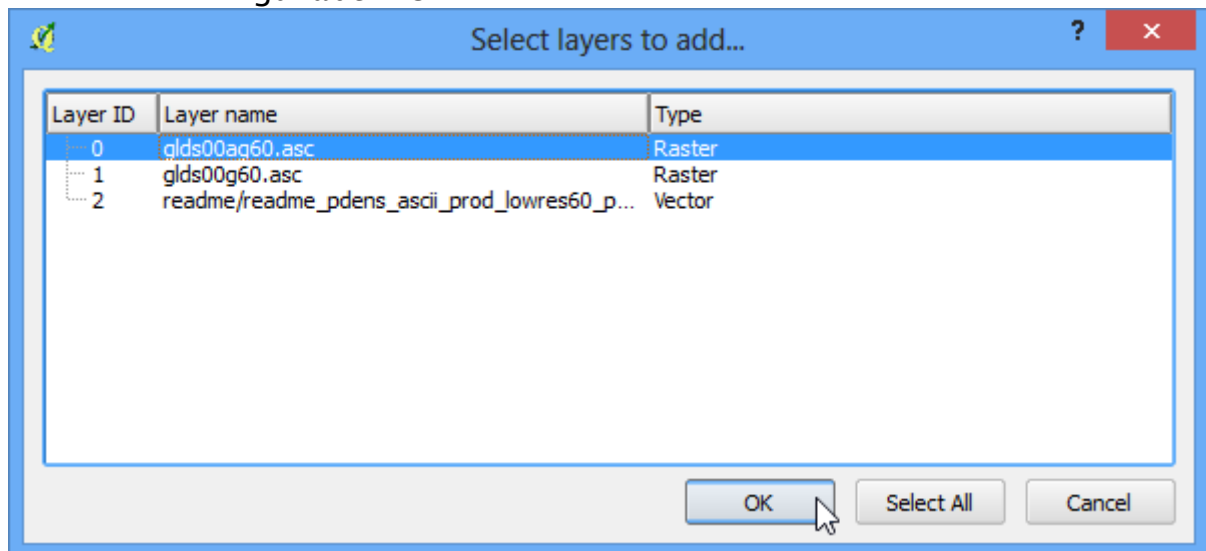
2. QGIS 0 00000 00 000 --> 000 000 00 :menuselection: Layer --> Add Raster Layer.. 0 0000.



3. 00000 00000 0000. 0000 :kbd: Ctrl 0 0000 000 000000 00000. 0 0000
0 00 000 000 000 0 0000. 000 00 0 00 000 0000 00 00 000 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，并单击 OK 按钮。



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



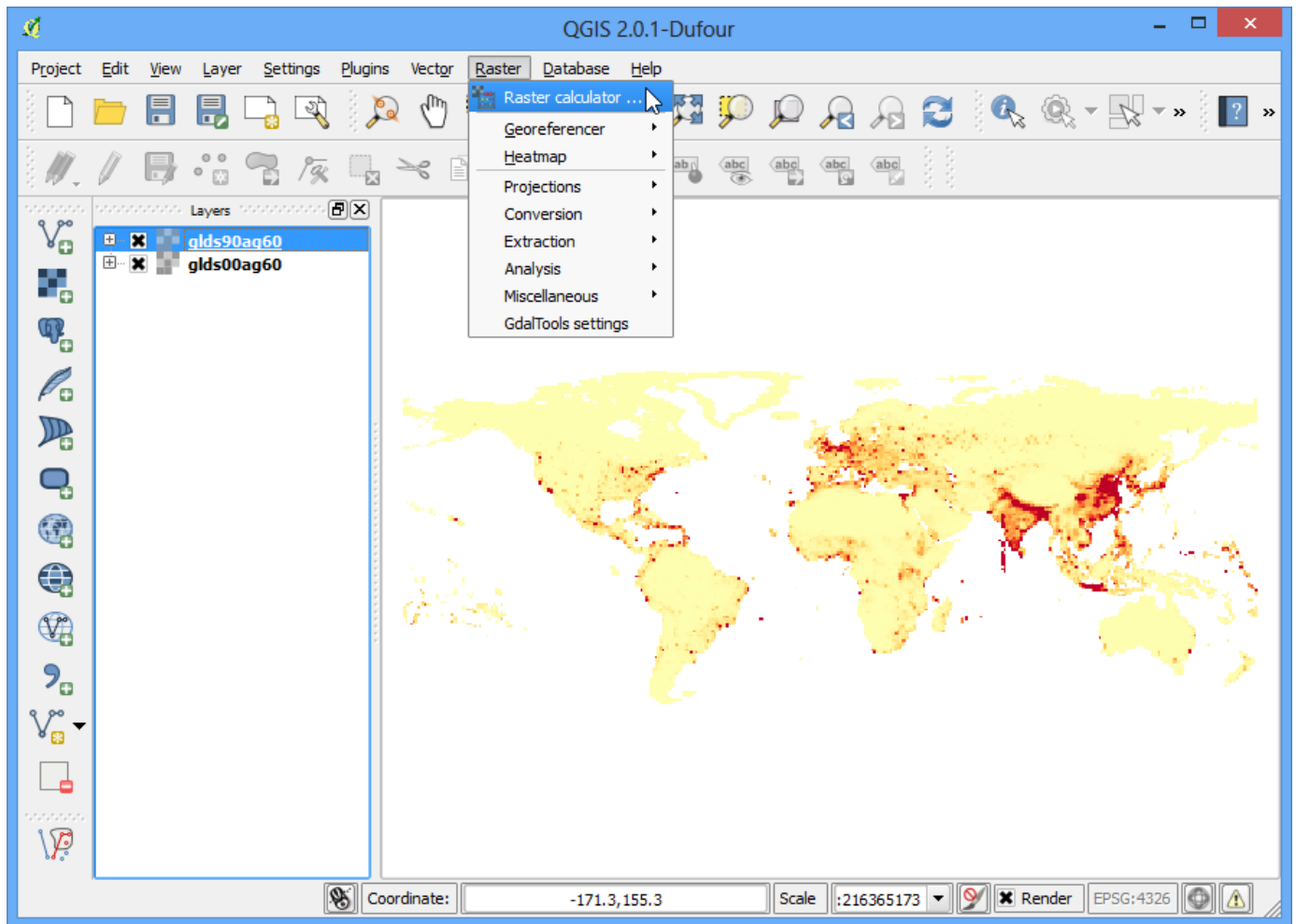
8. QGIS 中，如何设置坐标参考系统？请描述步骤。



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バンド 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。



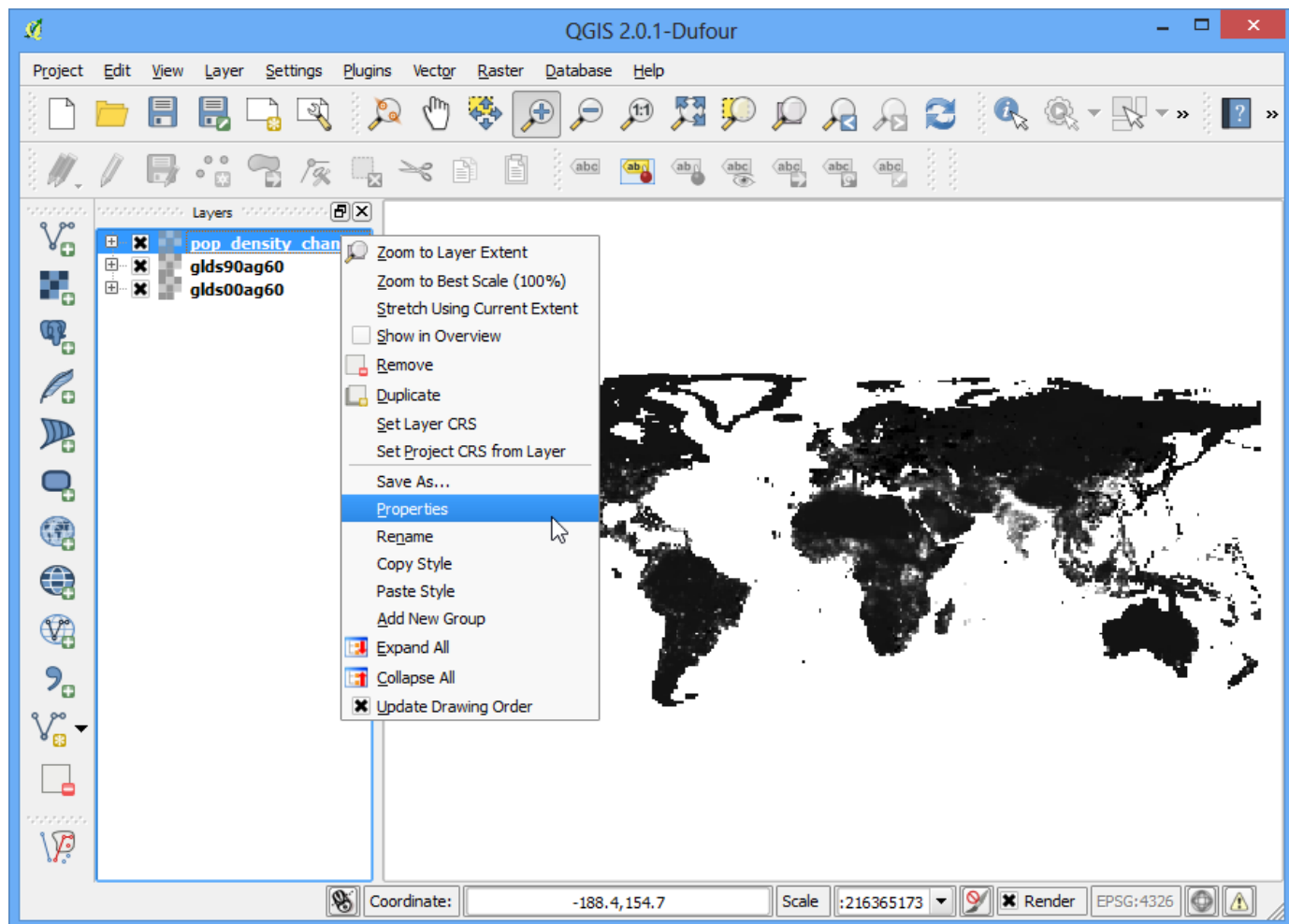
- ```
14. 000 00 Raster bands 00 0000 00000000 0000 000 0 0000. 000 000 00
00 @0 0000 0000. 000 0000 00 000 000 000000 00000 1 00 00 0 0
0000. 000 0000 000 000 00 0000 000 0 0 0000. 0000 2000 00 000000
1990 00 00000 00 000 00 00000. 0 glds00ag60@1 - glds90ag60@1 0
00000. 00 0000 :guilabel:`pop_density_change_2000_1990.tif` 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

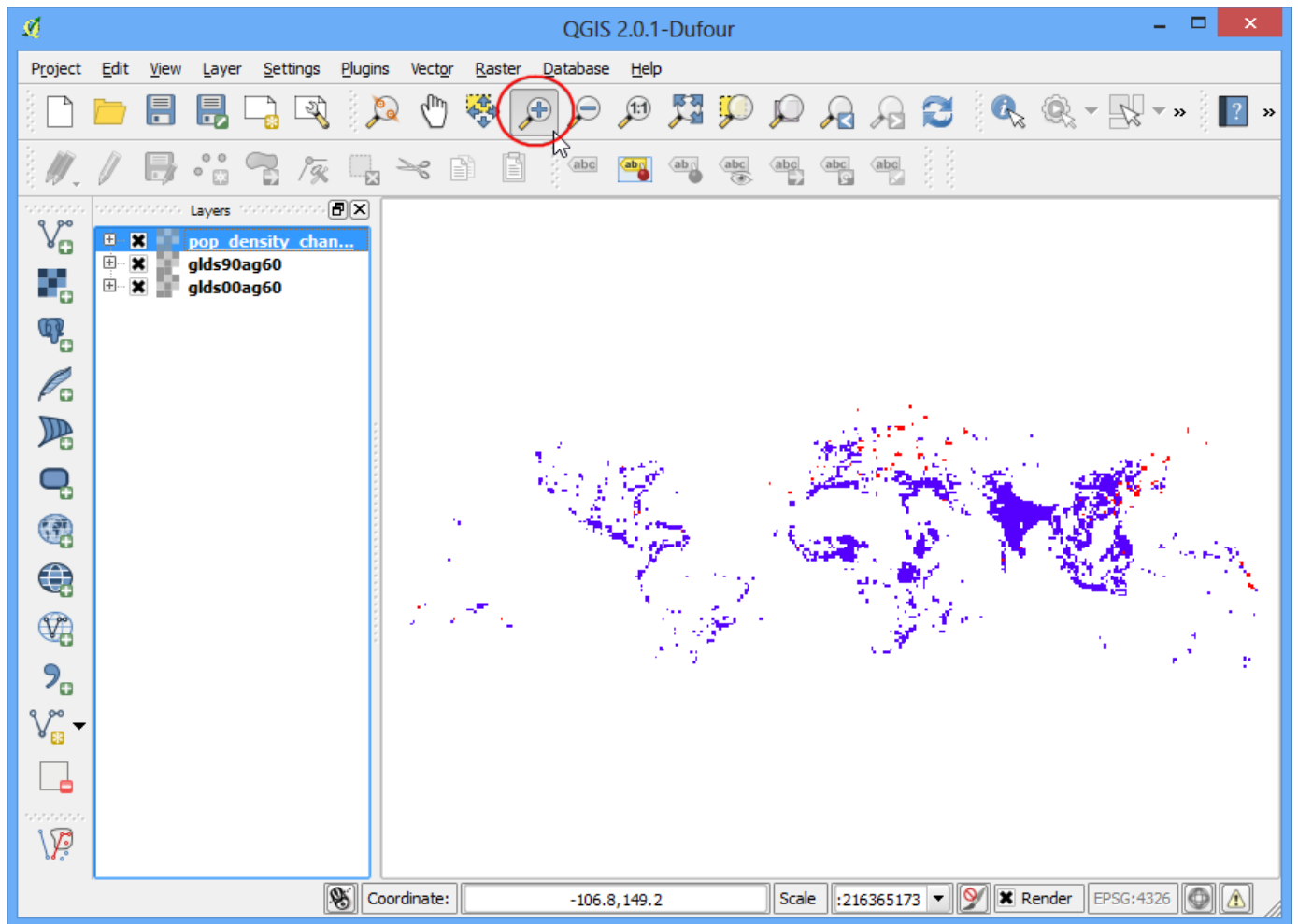


17. 0000 000000 000 00 000 000 0000 0000 00 00 000 00 000. 0 000 00  
00 00000 :guilabel: `Metadata` 0000 000. 0000 00000 0000000. 0 00000 00  
0 00000 000000.









20. `guiLabel: 'Identify'` 工具图标, 用于识别地图上的要素。  
 该工具在 QGIS 中非常常用, 用于查看要素的属性。



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



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





24. □□ □□□□□ □□□ □□□ □ □ □□□□.

