

Working with WMS Data

QGIS Tutorials and Tips



Author

Ujaval Gandhi

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

Translations by

SongHyun Choi

WMS ■■■■ ■■

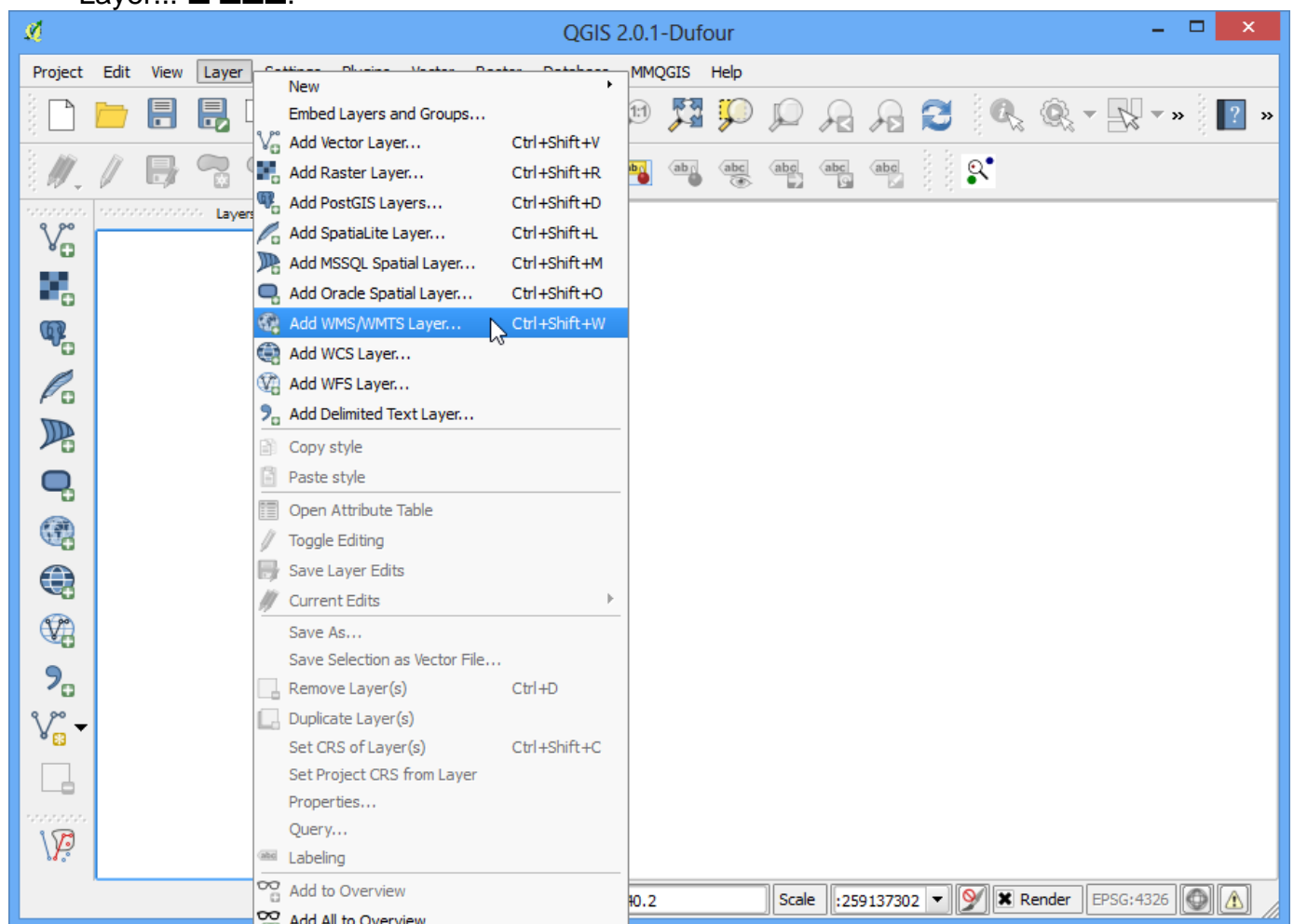
■■ ■■■■■■ ■■ ■■■■■■ ■■■■■■ ■■■■■■ ■■ ■■■■■■ ■■ ■■■■■■ ■■ ■■■■■■. ■■ ■■■■ GIS■■ ■■ ■■■■ ■■ ■■■■■■ ■■■■■■. ■■■■■■ ■■■■■■ ■■ ■■■■■■ ■■■■ **WMS (Web Map Service)**■■■■. GIS■■ ■■■■■■ ■■■■■■ ■■ ■■■■■■ ■■■■ ■■ ■■■■■■ ■■■■■■ ■■■■■■ ■■■■■■ ■■■■■■ ■■■■■■ ■■■■■■.

■■■ ■■

■ ■■■■■■ USGS■■ ■■■■■■ Mineral Resources ■■■■■■ ■■■■ ■■■■■■.
■■■■ ■■: [MRDATA]

■■■

1. QGIS■■ ■■■■■■ ■■ ■■■■ --> WMS■■■■ ■■ :menuselection: Layer --> Add WMS Layer...`■■■■■.



2. ■■■■ Layers ■■■■ ■■■■■■ :guilabel: `New` ■■ ■■■■■■.



- ```
3. #####. ##### WMS #####. #####
#####. WMS ##### URL
GetCapabilities##### WMS#####
#####. ##### ``MRDATA USGS``##### GetCapabilities
URL
``<http://mrdata.usgs.gov/services/ca?request=getcapabilities&service=WMS&version=1.1.1>``
#####. :guilabel: OK`#####.
```

**Create a new WMS connection**

Connection details

Name: MRDATA USGS

URL: <https://www.usgs.gov/services/ca?request=getcapabilities&service=WMS&version=1.1.1&>

If the service requires basic authentication, enter a user name and optional password

User name:

Password:

Referer:

☐ Ignore GetMap URI reported in capabilities

☐ Ignore GetFeatureInfo URI reported in capabilities

☐ Ignore axis orientation (WMS 1.3/WMTS)

☐ Invert axis orientation

☐ Smooth pixmap transform

OK Cancel Help

4. In the **Connect** dialog box, enter the WMS ID in the **ID** field. The ID is the value of the **id** parameter in the WMS URL. For example, in the URL `https://www.usgs.gov/services/ca?request=getcapabilities&service=WMS&version=1.1.1&`, the value of the **id** parameter is `ca`. The **id** parameter is the name of the WMS service. The **id** parameter is the name of the WMS service. The **id** parameter is the name of the WMS service.



5. `Image encoding` widget. The widget has a dropdown menu to select the image encoding. The options are:
- `PNG`: PNG is a lossless image format. JPEG is a lossy image format. TIFF is a lossless image format. The widget has a button to save the image as a PNG file. The button is labeled `Save as PNG`.
  - `PNG`: PNG is a lossless image format. JPEG is a lossy image format. TIFF is a lossless image format. The widget has a button to save the image as a JPEG file. The button is labeled `Save as JPEG`.
  - `QGIS`: QGIS is a vector image format. The widget has a button to save the image as a QGIS file. The button is labeled `Save as QGIS`.
  - `TIFF`: TIFF is a lossless image format. The widget has a button to save the image as a TIFF file. The button is labeled `Save as TIFF`.
- The widget has a button to save the image as a PNG file. The button is labeled `Save as PNG`.





7. ■■■■ ■■■■ ■■ ■■■■■■ ■ ■■ ■■■■. ■■■■ ■■■■ ■■■■ ■■■■ ■■■■ ■■■■ ■■■■  
:guilabel: Properties` ■ ■■■■■■.





Layer Properties - California\_Geology

General

Style

Transparency

Metadata

Metadata

Description

Title

Abstract

Keyword list

Format

Attribution

Title

Url

MetadataUrl

Url

Type

Format

Properties

Server Properties

| Property        | Value                |
|-----------------|----------------------|
| WMS Version     | 1.1.1                |
| Title           | California_Geology   |
| Abstract        |                      |
| Keywords        |                      |
| Online Resource | -                    |
| Contact Person  | Robert M. Schweitzer |

Restore Default Style

Save As Default

Load Style ...

Save Style ...

OK

Cancel

Apply

Help