

# Working with WMS Data

## QGIS Tutorials and Tips



Author

Ujaval Gandhi

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

Translations by

Marina Pavlova Ilya Trofimov Fayçal Fatihi

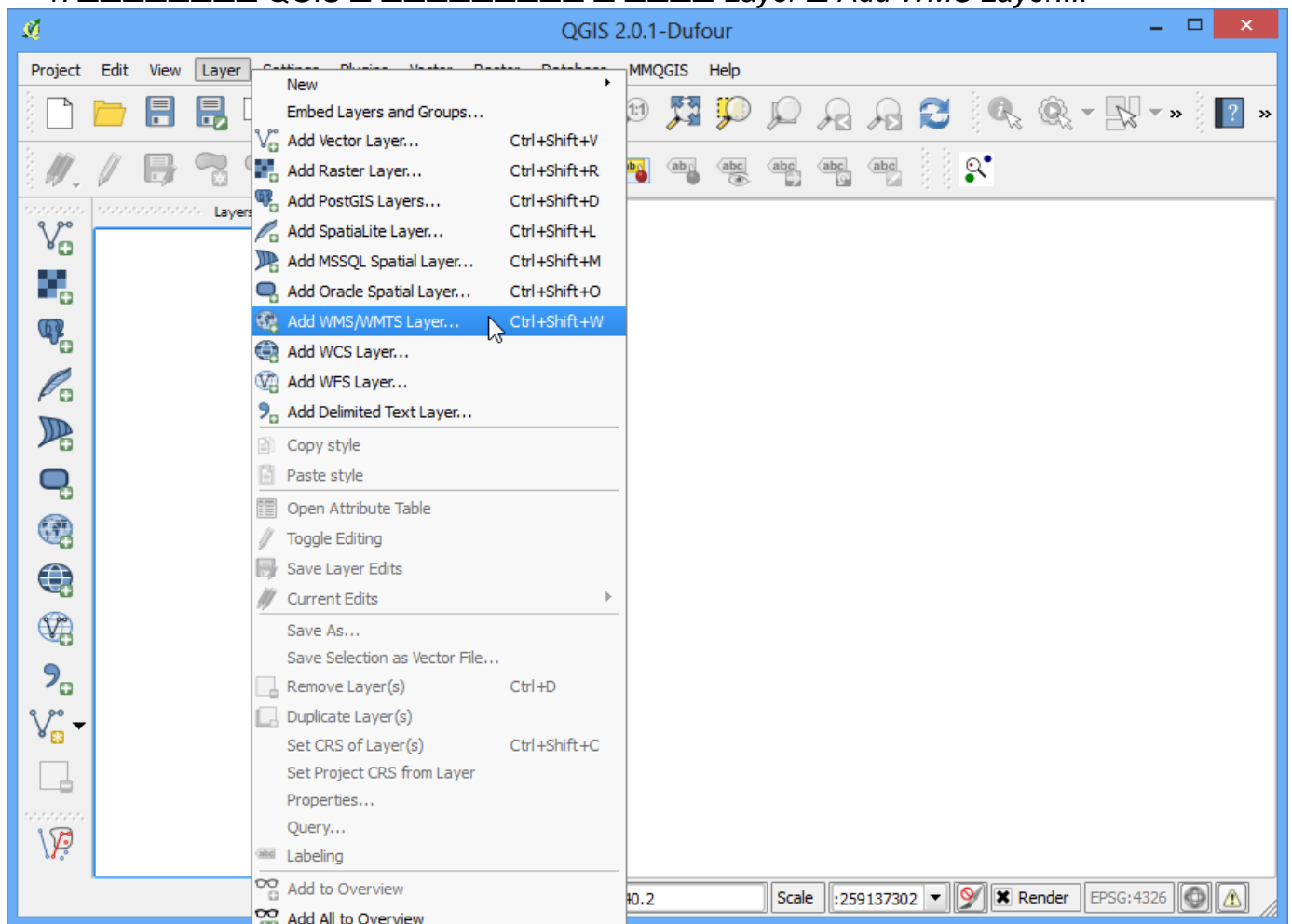
# WMS

WMS (Web Map Service) is a standard protocol for displaying map data over the Internet. It allows a client to request a map image from a server, which then returns the image to the client. WMS is part of the Open Geospatial Consortium (OGC) standards. It is used to access and display geospatial data from a variety of sources, including databases, file servers, and other WMS servers. WMS is a key component of many GIS applications, allowing users to view and interact with map data from a web browser or a GIS client.

Mineral Resources, USGS.

[MRDATA]

1. QGIS Layer Add WMS Layer....



2. Layers New.



```

#####  #####  #####.  ##  ##  ##  ##,  #  ##  #####,  #####
#####  #####  WMS.  #####  #####  #####  #####  #####
#####  #####  #####  #  #####  #####.  #####,  #####  #####,  ##
#####  #####  #  #####  WMS,  #####  GetCapabilities.  ##  #####  #  #####  V
#  #####  #####  #####  #  #####  #####,  ##  #####  #####  #####
#####  #  #####  #####.  #  #####  #####  #####  #####
MRDATA      USGS      #      #####      #      #####      GetCapabilities      URL
http://mrdata.usgs.gov/services/ca?request=getcapabilities&service=WMS&version=1.1
#####  OK.

```





5. **Image encoding** - This section allows you to select the image encoding format for the layer. The available formats are PNG, PNG8, JPEG, GIF, and TIFF. The default format is PNG.

- Image encoding:** PNG - This is the default format. JPEG - This format is used for compressed images. TIFF - This format is used for high-quality images. GIF - This format is used for small images. PNG8 - This format is used for small images with a limited color palette.
- Options:** Layer name - This is the name of the layer. Tile size - This is the size of the tiles used for the layer. Feature limit for GetFeatureInfo - This is the maximum number of features returned by the GetFeatureInfo request. Change ... - This button opens a dialog box to change the options.
- Image encoding:** QGIS - This option is used to select the image encoding format for the layer. The available formats are PNG, JPEG, and TIFF. The default format is PNG.
- Image encoding:** This section allows you to select the image encoding format for the layer. The available formats are PNG, JPEG, and TIFF. The default format is PNG.

The 'Add' button is used to add the layer to the map. The 'Close' button is used to close the dialog box. The 'Help' button is used to open the help documentation.









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