Working with WMS Data

QGIS Tutorials and Tips

Author

Ujaval Gandhi

http://google.com/+UjavalGandhi

Translations by

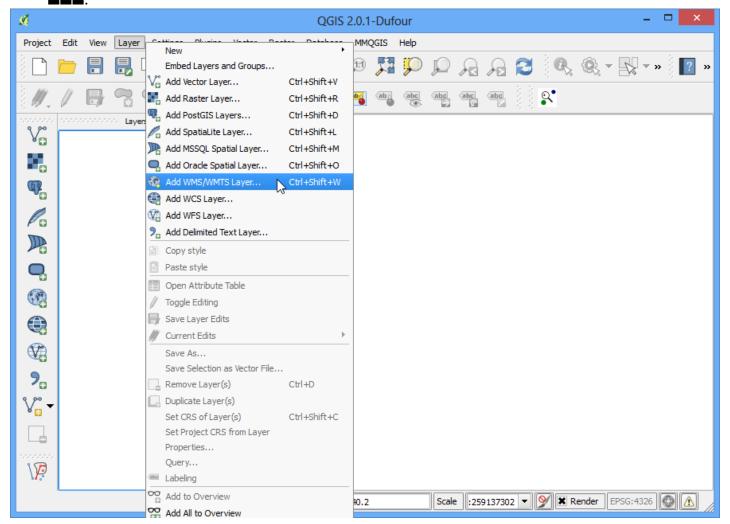## SongHyun Choi

WMS ██████ ██

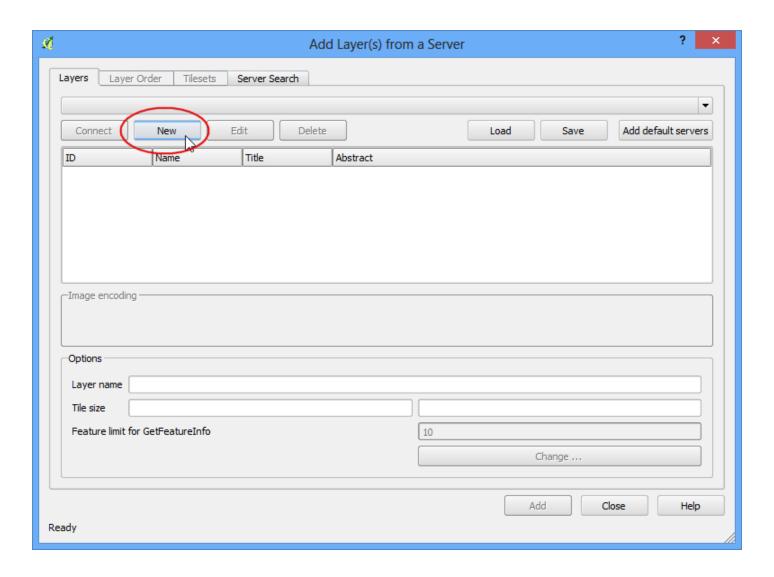██ █████████ ██ ██████ ████████████ ████████ ██ ██████ ████ ████ ██ ██████. ██ ████
GIS██ ██ ████ █ ██ ████ ████████ ███████. ████████ ████ █████ ██ ██████ ████ **WMS
(Web Map Service)**████. GIS██ ██████ ██████ ██ ████████ ████ ██ ████ ██████ ████
████ █████ ██████ ██████ █████ ██ ██ ██ ██████.

██ ██

█ ███████ USGS██ █████ Mineral Resources ██████ ███ █████.

███ ██: [MRDATA]

██

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

2. ████ *Layers* ███ ██████ :guilabel:`New`█ ██████.

3. ██████ ███ █████. █████ ███ ███ ██ WMS █████ █████ ████████. ██████ ███ █████ █████ ███ █ ██ ██ ████ █████. WMS █████ █████ ██ ███ URL█ *GetCapabilities*██ █████. URL██ █ █████ ██ 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   s.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. ■■, ■■■■■■ ■■■■ ■■■■ ■■■■■■ ■■■■ ■■ *Connect* ■■■■ ■■■■■■. ■■■■ ■■■ ■■ ID■■■■ ■■ ■ ■■■■■. ID ``0``■ ■■ ■■■■■ ■■ ■ ■■■ ■■■■■■. ■■ ■■■■■ ■■■■■■■, ■■■■ :guilabel:`+`■■■■■ ■■■■■■ ■■■ ■■■ ■ ■■ ■■■ ■■ ■■■■■ ■■■ ■ ■■■■. ■ ■■■■■■ ■■■ ``0``■ ■■■■■■.

Add Layer(s) from a Server

Layers | Layer Order | Tilesets | Server Search

MRDATA USGS

[Connect] [New] [Edit] [Delete]   [Load] [Save] [Add default servers]

ID	Name	Title	Abstract
0	California_Geology	California_Geology	California_Geology
1	California_Lithology	California_Lithology	California_Lithology
9	California_Contacts	California_Contacts	California_Contacts
15	California_Age	California_Age	California_Age
21	California_Faults	California_Faults	California_Faults

Image encoding

◉ PNG ○ PNG8 ○ JPEG ○ GIF ○ TIFF

Options (0 coordinate reference systems available)

Layer name

Tile size

Feature limit for GetFeatureInfo   10

[Change …]

[Add] [Close] [Help]

Select layer(s)

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5. ███ ███ *Image encoding* █████ ███ ███ █████. ███ ███ ███ ███ ██ █████. █████ ███ █████.

- █: PNG█ █████ █████ ███ █████. JPEG█ ███ ███ ███ █████. TIFF█ █ ██ ███ █ █ █████. █ ███ PNG█████ ██ JPEG█ ██ ██ ███ █████. ██ █ ███ ███ █████ █████ PNG█ ███████.

- ██: PNG ████ ██ █████ ███ ██ █ ███ ██ ███ █████ █ █████. ██████ ██ █████ █████ █████ ██/██ ██ █ ███ ███ JPEF█ ███████.

- ██ ██: QGIS█ █████ ███ █████. ███ █ ██████ █████ █████ █████ TIFF█ █████ █████. ███ ██ ███ ███ █████ ███.

- ███ ██: █████ ██ █████ PNG█ ██ ██ █████ ███ █ █████. ███ ██████ JPEG█ █████ ██ █████.

█ █████ ███ █████ :guilabel:`JPEG`█ ███████. █████ ███ ██ :guilabel:`Layer name`█ ███ ██ :guilabel:`Add`█ █████.

6. QGIS █████ █████ █████ ██ █ █ ██ █████. ██ █████████ ██/█ ███ ███ █ █████.
WMS █████ █████ ███ ██ ██/██ ███ █ █████ ███ ███ ███ ███ █████ ███ ██
█████ ███ ██ ███ ███. ███ ███ █ ██ ███ ██ ███ ██ █████ █████. ██ ███
█████ █████████ ██ ██/███ █████████ ███ ███ █ █████.

7. ███ █████ ██ ███████ █ ██ ████. ███ ███ ███ ███ ██ ██
   :guilabel:`Properties`██ █████.

8. ■■ *Properties* ■■■■■■ ■■■ ■■■ ■■ ■■■ ■■ ■ ■■■ ■■ ■ ■ ■■■■. ■■■■■■ :guilabel:`Metadata` ■■■ ■■ WMS ■■■■ ■■■■ ■■ ■ ■ ■ ■ ■■■■.

Layer Properties - California_Geology

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	Peter N. Schweitzer

Restore Default Style	Save As Default	Load Style ...	Save Style ...

OK   Cancel   Apply   Help