

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. 以下のURLは、USGSのMRDATAサービスからWMSのGetCapabilities情報を取得するためのURLです。このURLを使用して、WMSのGetCapabilities情報を取得し、その結果を確認してください。
- URL: <http://mrdata.usgs.gov/services/ca?request=getcapabilities&service=WMS&version=1.1.1&>
- このURLは、USGSのMRDATAサービスからWMSのGetCapabilities情報を取得するためのURLです。このURLを使用して、WMSのGetCapabilities情報を取得し、その結果を確認してください。
- GUI: OK

Create a new WMS connection

Connection details

Name: MRDATA USGS

URL: <https://www.mrd.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. Click the **Connect** button. The **ID** field is populated with the **ID** of the selected layer. The **label** field is populated with the **label** of the selected layer. The **label** field is populated with the **label** of the selected layer. The **label** field is populated with the **label** of the selected layer.



5. **Image encoding** `image_encode` takes an image and returns a list of integers. `image_decode` takes a list of integers and returns an image.

- **□: PNG** □□□□ □□□□ □□ □□□□. **JPEG** □□ □□ □□ □□□□. **TIFF** □ □□□ □ □□□□. □ □□□ **PNG**□□□□ □□ **JPEG** □□ □□ □□□□ □□□□. □□ □ □□□ □□□□ □□□□ **PNG** □□□□□□.
- **□□: PNG** □□□□ □□ □□□□ □□ □□ □ □□□ □□ □□□□ □ □□□□. □□□□□□ □□ □□□□ □□□□ □□□□□□ □□/□□ □□ □ □□□ □□□□ **JPEF** □□□□□□.
- **□□ □□: QGIS** □□□□ □□□□ □□□□□□. □□□□ □ □□□□□□□□ □□□□□□ □□□□□□ □□□□□□ **TIFF** □□□□□□ □□□□□□. □□□□ □□ □□□□ □□□□ □□□□ □□□□.
- **□□□□ □□: □□□□ □□ □□□□ PNG** □□ □□ □□ □□□□ □□□□ □ □□□□□. □□□□ □□□□□□□□ **JPEG** □□□□□□ □□ □□□□□□.

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



6. QGIS 0000 0000 0000 00 0 0 00 0000. 00 00000 00/0 000 000 0 0000.
WMS 0000 0000 000 00 00/00 000 0 000 000 000 000 0000 000 00
0000 000 00 000 000. 000 000 0 00 000 00 000 00 0000 00000. 00 000
0000 0000000 00 00/000 000000 000 000 0 0000.



7. `guiabel: Properties`



8. Properties Metadata WMS

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	Peter M. Schweitzer

Restore Default Style

Save As Default

Load Style ...

Save Style ...

OK

Cancel

Apply

Help