

# Add Sixmaps mapping layer to QGIS

Download the QLR file in the attachments on this page, then drag it onto the QGIS program window and the later will be added to the open project.

## Attachments

<b>SIX maps Public NSW Imagery QGIS Layer</b>	<a href="#">Sixmaps_Public_NSW_Imagery.qlr</a>
<b>ArcGIS REST Services Directory</b>	<a href="#">public/NSW_Imagery (MapServer)</a>
<b>Complete ArcGIS Config for QGIS [Best Choice]</b>	<a href="#">ArcGIS REST Services - SIX Maps.xml</a>
<b>Example Project</b>	<a href="#">Heron Place Hazard Reduction.qgz</a>

## ArcGIS REST Services

To import these into QGIS:

1. Save the `ArcGIS REST Services - SIX Maps.xml` file to your computer.
2. Open QGIS (duh)
3. Right-click **ArcGIS REST Servers** In the **Browser** on the left (Assuming you have the default layout)
4. Choose **Load Connections**, and browse to the file you saved
5. Select all (or don't and pick the ones you want)
6. Click on the **Import** button

You can now choose any REST connection and import that as a layer to your project!

A few example servers:

- [https://maps.six.nsw.gov.au/arcgis/rest/services/public/NSW\\_Base\\_Map/MapServer/WMTS/1.0.0/W](https://maps.six.nsw.gov.au/arcgis/rest/services/public/NSW_Base_Map/MapServer/WMTS/1.0.0/W)
- [http://maps.six.nsw.gov.au/arcgis/services/public/NSW\\_Imagery/MapServer/WMServer?request=](http://maps.six.nsw.gov.au/arcgis/services/public/NSW_Imagery/MapServer/WMServer?request=)
- <https://mapprod1.environment.nsw.gov.au/arcgis/rest/services>

## Manually Adding the Layers to QGIS (Web Services)

- Retrieve the WMS URL for the service you want to use from its REST endpoint.

e.g. Visit [NSW Imagery REST Endpoint](#)

- Look for the WMS link towards the top left of the page. Right-click + copy link address or left-click the link to open the link and copy the URL from the address bar.

#### ArcGIS REST Services Directory

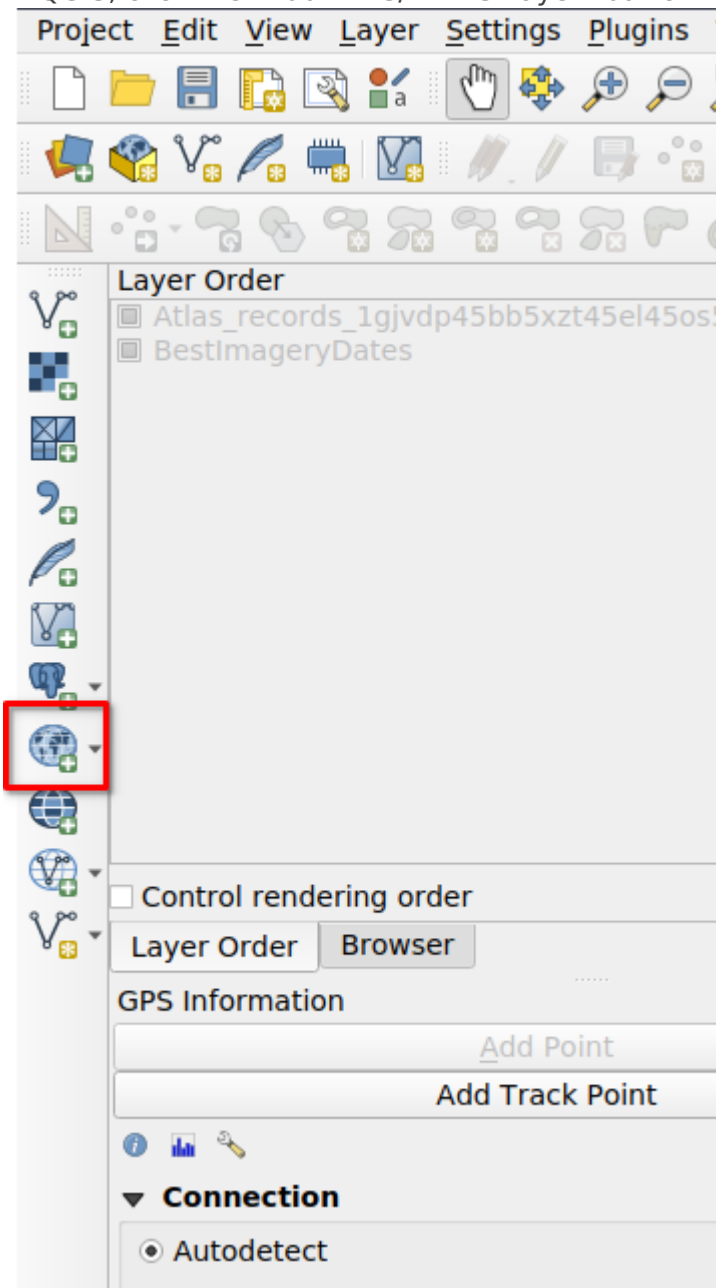
[Home](#) > [services](#) > [public](#) > [NSW Imagery \(MapServer\)](#)

[JSON](#) | [SOAP](#) | [WMS](#) | [WMTS](#)

### public/NSW\_Imagery (MapServer)

View In: [ArcGIS JavaScript](#) [ArcGIS Online map viewer](#)

- In QGIS, click the "Add WMS/WMTS Layer" button in the 'Layers' toolbar.



- From the dialogue select the 'New' button.

Layers Layer Order Tilesets Server Search

Connect **New** Edit Remove

ID	Name	Title	Abstract
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- Enter a name for the connection and the service's WMS URL, then click 'OK'.

Create a New WMS/WMTS Connection

**Connection Details**

Name

URL

**Authentication**

Configurations Basic

Choose or create an authentication configuration

No authentication

Configurations store encrypted credentials in the QGIS authentication database.

**WMS/WMTS Options**

Referer

DPI-Mode

☐ Ignore GetMap/GetTile URI reported in capabilities

☐ Ignore GetFeatureInfo URI reported in capabilities

☐ Ignore axis orientation (WMS 1.3/WMTS)

☐ Ignore reported layer extents

☐ Invert axis orientation

☐ Smooth pixmap transform

OK Cancel Help

- Click the 'Connect' button, to fetch the details of the WMS service. Click to highlight the layer you want to add, then check the Coordinate system listen in the bottom pane.
- Click the 'Change' button, and select 'EPSG:3857' from the dialog. Hit OK, then click the 'Add'

button at the bottom of the 'Add Layer' dialog.

LayersLayer OrderTilesetsServer Search

SIX Maps Web Services

ConnectNewEditRemoveLoadSaveAdd Default Servers

ID	Name	Title	Abstract
0		Layers	
1	0	Footprint	

Image Encoding

☐ PNG☐ PNG8☒ JPEG☐ GIF☐ TIFF☐ SVG

Coordinate Reference System (4 available)

Tile size

Request step size

Feature limit for GetFeatureInfo

10

EPSG:4326 - WGS 84

Change...

☐ Use contextual WMS Legend

Layer nameFootprint

1 Layer(s) selected

CloseAddHelp

- This will add it to your map. You can now close the 'Add Layer' dialog.

## Obtaining New Maps from the Interwebs

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