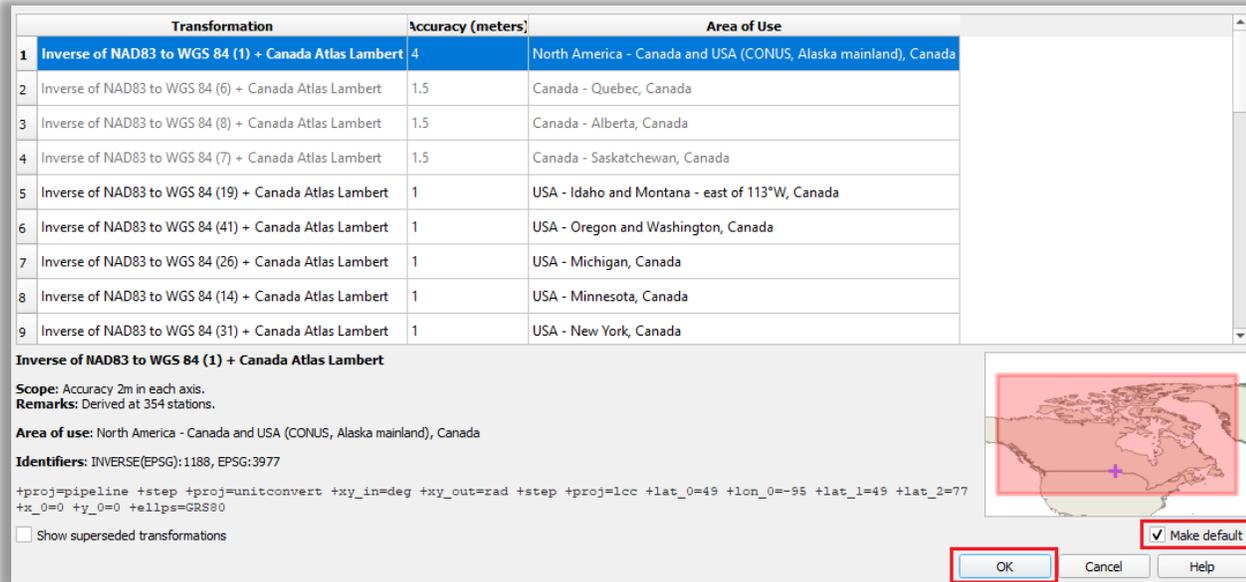


Technical Instructions for Starter Kits

1. Projection issue (QGIS):

- A WMS will return a projection error in QGIS if its projection differs from the one being used by the starter kit. This type of projection error is applicable to all versions of QGIS.
- Typically the default suggested re-projection from QGIS is suitable.



- a. Select "Make default"
- b. Select "OK".
- c. Save the project file to retain the transform information.

- Some WMS may experience errors specific to QGIS version 3.10 and later.

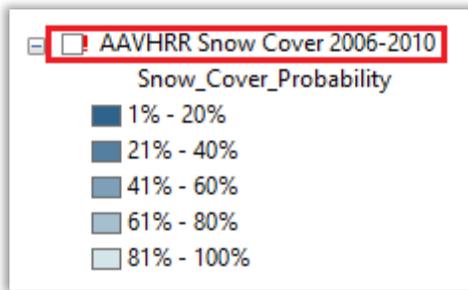


- a. If this happens, try using an earlier version of QGIS such as 3.8
- b. A directory of earlier releases of QGIS can be found at [this link](#) under the "All Releases" tab.
- c. Direct link to QGIS [version 3.8.3.1 \(64-bit\)](#)
- d. Direct link to QGIS [version 3.8.3.1 \(32-bit\)](#)

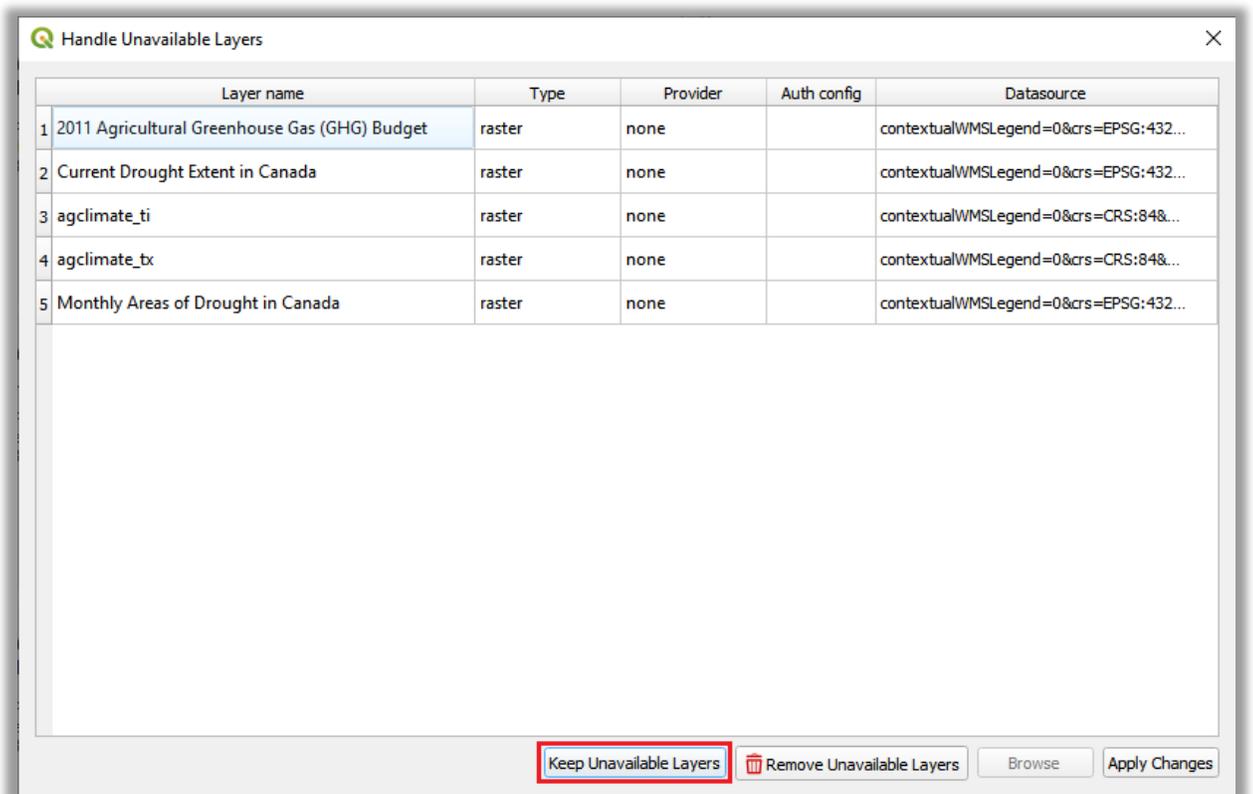
2. Service Interruptions:

- Some Web Map Service (WMS) layers can experience service interruptions. When this happens, the layer may appear as a red exclamation mark in the ArcMap table of contents or as a "Handle Unavailable Layers" pop up when loading into QGIS.
- **For both ArcMap and QGIS**, it can be fixed by reloading the starter kit once the service interruption has ended (for QGIS first select "Keep Unavailable Layers").

- For ArcGIS

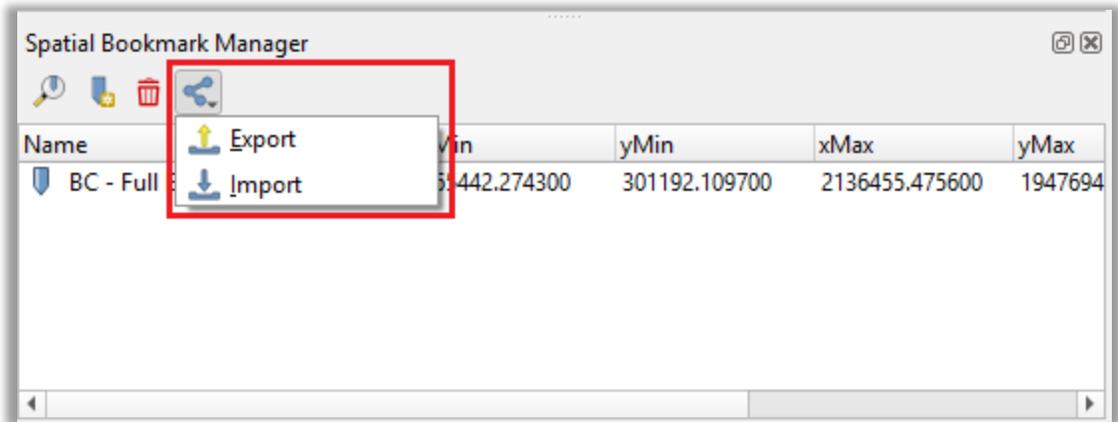


- For QGIS



3. Bookmarks (QGIS):

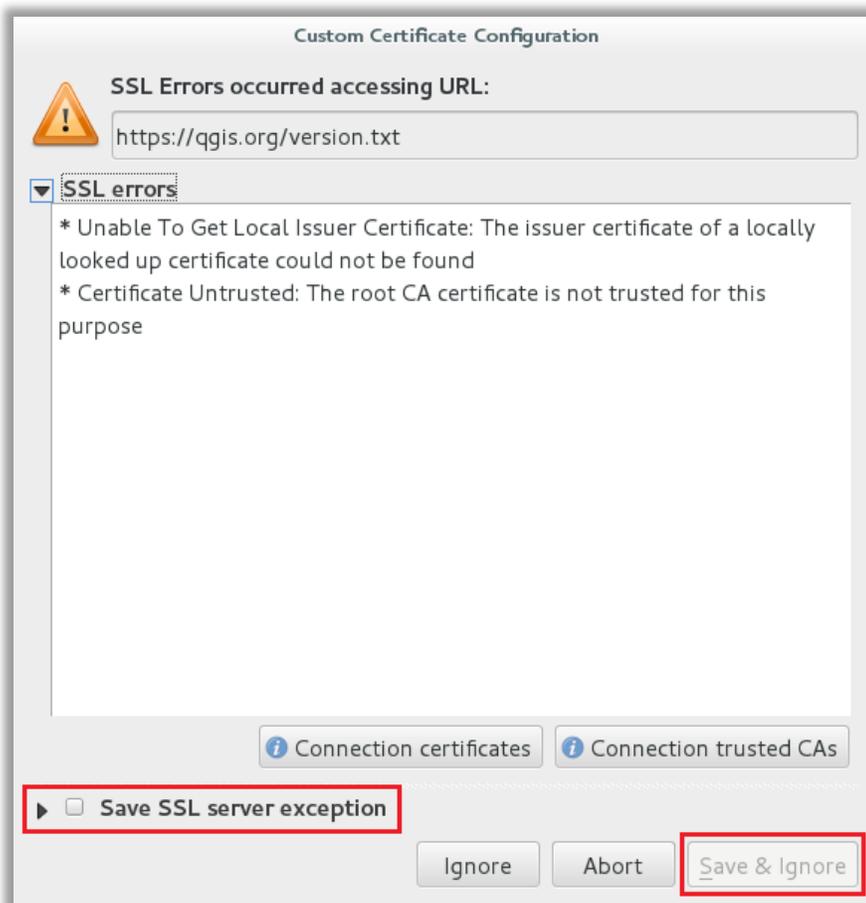
- Each QGIS Starter Kit comes with an XML file containing bookmarks. To load bookmarks select the “View” menu at the top followed by “Show Spatial Bookmark Manager”
- Within the Spatial Bookmark Manager, select the link icon (pictured below) followed by “Import” and lastly, select the bookmark XML file.



a) Double click a bookmark in order to zoom to its extent.

4. SSL Error (QGIS):

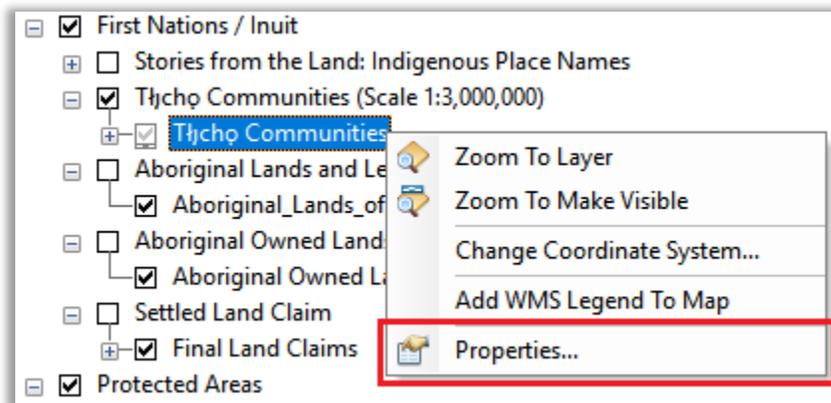
- Some Web Map Service (WMS) layers can experience certificate errors in QGIS. To work around this, check the box to “Save SSL server exception” followed by “Save & Ignore” using the default settings.

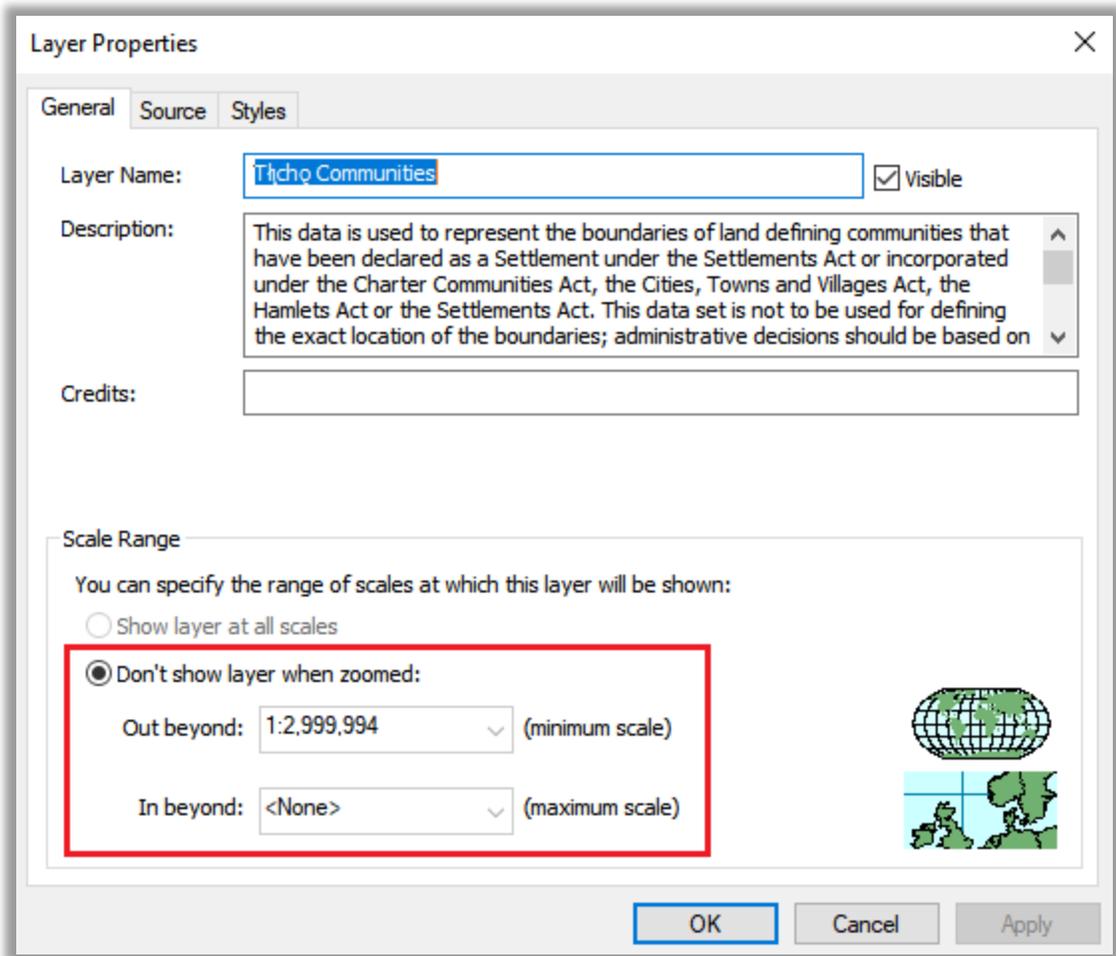


- (a) After the kit has loaded, try viewing the layer in the table of contents to see if it is functional.
- (b) Consider using the data catalogue for alternative sources or formats.

5. Scale Visibility Settings:

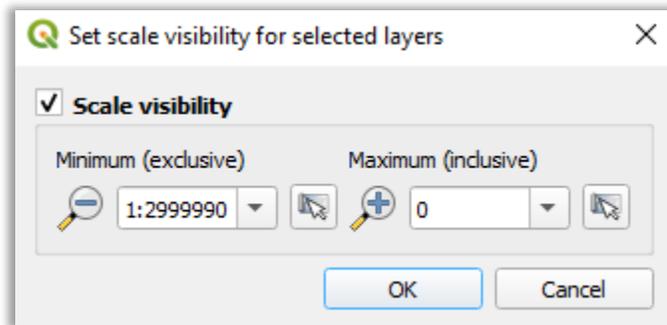
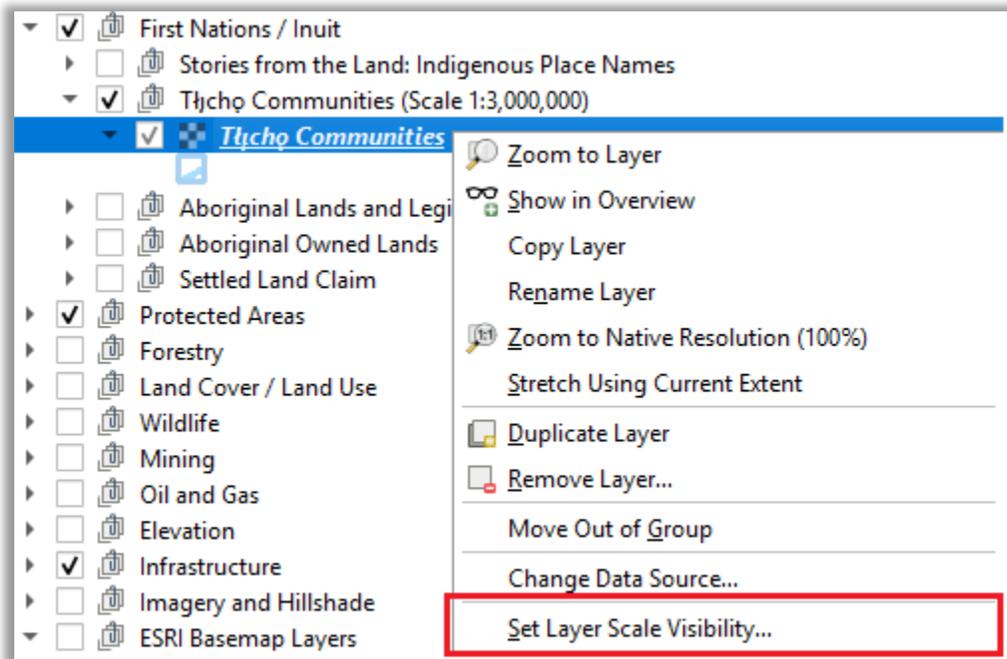
- Some layers have a minimum or maximum map scale that they are intended to be viewed within.
- **For ArcMap** – right click the layer in the table of contents and select “Properties...” then navigate to the “General” tab and view the minimum and maximum scales at the bottom (please see following examples)





- a. The scale range is usually viewable on the final layer in the Table of Contents (e.g. “Tl̥chq Communities” in the previous example). Sometimes however, it is instead viewable on the parent layer (e.g. “Tl̥chq Communities (Scale 1:3,000,000)”).
- b. The scale range of different WMS is determined by each service provider. More information can usually be found on the service source web page.

- For QGIS – the scale can be seen by right clicking the layer in the table of contents and selecting “Set Layer Scale Visibility...”



- The scale range is usually viewable on the final layer in the Table of Contents (e.g. “Tłıchq Communities” in the previous example). Sometimes however, it is instead viewable on the parent layer (e.g. “Tłıchq Communities (Scale 1:3,000,000)”).

6. Layers with no data:

- Some web service layers may not currently have anything in them (e.g. Active Floods, or Active River Ice). This is typically due to a change in the data from the service provider.
- It is recommended to consult the data catalogue for alternate sources of information on these layers.

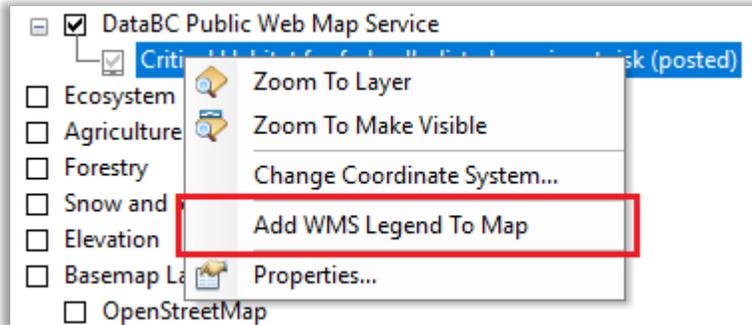
7. Layers requiring download:

- Some layers such as those in the Canada Climate Change Data Portal (<http://canadaccdp.ca/>) contain large files and impact the performance of the starter kits

heavily. These must be downloaded separately by following the link provided in the starter kit or in the data catalogue.

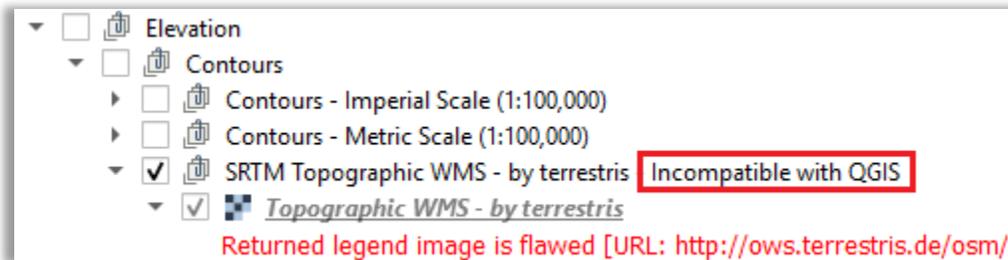
8. Add Legend (ArcMap):

- WMS layers must have their legend displayed by right-clicking on the layer and selecting “Add WMS Legend to Map”
- Adding many WMS legends to the map will clutter the map. It is recommended to only add them for layers that are currently in use and to delete the legends after.



9. Incompatible Layers (QGIS):

- Some types of web services are incompatible with QGIS, although they may work in ArcMap. These layers have been indicated in QGIS via their layer names (please see the following example).



- a. It is recommended to view the data catalogue to view alternative sources.

10. Returned Legend Error issue (QGIS):

- Some WMS layers can experience legend errors in QGIS. These layers may continue to function when enabled, however the legend will not display in the QGIS table of contents.
- It is suggested to view the data catalogue for more information on the layers exhibiting these issues.

