

## QGIS Application - Bug report #8333

### DB Manager's "Import vector layer"'s SRID confirmation dialog has unclear purpose

2013-07-20 06:26 PM - Aren Cambre

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	DB Manager	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> end of life
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 17121
<b>Description</b>		
<p>I just imported an OpenStreetMap SHP for Texas. In the <b>DB Manager's Import Vector Layer</b> dialog, I checked both <b>Source SRID</b> and <b>Target SRID</b> and entered <b>900913</b> and <b>3081</b>, respectively. (900913 per <a href="http://wiki.openstreetmap.org/wiki/Mercator">http://wiki.openstreetmap.org/wiki/Mercator</a>, and it is already in my <b>spatial_ref_sys</b> table.)</p> <p>After pressing <b>OK</b>, one of those dialogs pops up where you are asked to enter an SRID.</p> <p>Here's what's confusing: is it asking me to set the SRID of the source or the destination? And why is it even bothering to ask me this when I entered valid SRIDs?</p>		

#### History

##### #1 - 2013-07-21 06:53 AM - Aren Cambre

Here's the Shapefile: <http://osmdata.thinkgeo.com/openstreetmap-data/north-america/us/texas.zip>

##### #2 - 2013-07-21 06:57 AM - Aren Cambre

Don't know if this matters, but it appears the projection is in fact in 4326 despite what <http://wiki.openstreetmap.org/wiki/Mercator> says. The roads.prj file is identical to <http://spatialreference.org/ref/epsg/4326/prj/>.

##### #3 - 2013-07-21 08:40 AM - Giovanni Manghi

Aren Cambre wrote:

Don't know if this matters, but it appears the projection is in fact in 4326 despite what <http://wiki.openstreetmap.org/wiki/Mercator> says. The roads.prj file is identical to <http://spatialreference.org/ref/epsg/4326/prj/>.

The shapefiles from OSM are in WGS84, not in google mercator.

##### #4 - 2013-07-21 08:51 AM - Giovanni Manghi

- Status changed from Open to Closed
- Resolution set to invalid

Actually that "srid confirmation dialog" it seems that makes a lot of sense, in fact it shows when you choose an unknown (to qgis) SRID in the import vector

layer dialog. In your case you are trying to use 900913, that does not exist anymore, as it has been replaced (as code) by 3857. But as I said, you should anyway choose WGS84 as input srid from your osm data.

**#5 - 2013-07-21 03:33 PM - Aren Cambre**

- Resolution deleted (invalid)
- Status changed from Closed to Reopened

The problem is it doesn't tell me which of the two SRIDs is unknown.

Both SRIDs I entered were known to my PostGIS: 3081 is obviously known, and the query at [http://wiki.openstreetmap.org/wiki/Mercator#PostGIS\\_.2F\\_SQL](http://wiki.openstreetmap.org/wiki/Mercator#PostGIS_.2F_SQL) to add 900913 failed with this because that SRID was already in the **spatial\_ref\_sys** table:

```
ERROR: duplicate key value violates unique constraint "spatial_ref_sys_pkey"  
DETAIL: Key (srid)=(900913) already exists.
```

**UPDATE:** Sorry, just saw that you mentioned that the SRID is unknown to QGIS. That's fine, but the problem remains that the GUI does not tell me which of the two SRIDs it is asking me about.

**#6 - 2013-07-22 07:19 AM - Giovanni Manghi**

- Operating System deleted (Windows 7 x64)
- Status changed from Reopened to Feedback

Aren Cambre wrote:

```
UPDATE: Sorry, just saw that you mentioned that the SRID is unknown to QGIS. That's fine, but the problem remains that the GUI does not tell me  
which of the two SRIDs it is asking me about.
```

That's easy to understand, just enable one between source srid or target srid -> you will notice that the "srid confirmation dialog" will show only when the "source srid" is unknown to **qgis**. In this case the source srid will be applied also for the target srid.

If you enable just the target srid then if the srid is unknown to qgis then the original srid of the vector is applied (silently, and this is probably the real issue) for both the source and target srid.

If you agree to this description then the subject of this ticket should be rephrased. Not even sure if this can be considered a bug of the tool, maybe it would be just enough to add a note to the documentation.

**#7 - 2013-07-22 07:47 AM - Aren Cambre**

```
the "srid confirmation dialog" will show only when the "source srid" is unknown to qgis.
```

```
if the srid is unknown to qgis then the original srid of the vector is applied
```

The UI needs to explain both of these. That's why I filed as a bug: the UI is not informing the user of something that can be critical for the user to know.

**#8 - 2013-07-22 07:51 AM - Paolo Cavallini**

Please suggest text for popup

**#9 - 2013-07-22 08:38 AM - Aren Cambre**

If qgis does not recognize *either* value, it should simply indicate that and request that a new value be entered. It also should not fill in target SRID with source SRID if target SRID is not understood.

Suggested text: **QGIS does not understand the source SRID. Please choose from this list.**

(change **source** to **target** if the target SRID is not understood)

Note that I did not use "invalid". There appear to be valid SRIDs that QGIS does not understand, and QGIS not understanding something does not make it invalid.

**#10 - 2014-01-30 11:40 PM - Paolo Cavallini**

- *Target version changed from Version 2.0.0 to Future Release - High Priority*

**#11 - 2014-06-21 02:43 PM - Giovanni Manghi**

- *Status changed from Feedback to Open*

**#12 - 2017-05-01 01:09 AM - Giovanni Manghi**

- *Regression? set to No*

- *Easy fix? set to No*

**#13 - 2019-03-09 04:04 PM - Giovanni Manghi**

- *Resolution set to end of life*

- *Status changed from Open to Closed*

**End of life notice: QGIS 2.18 LTR**

**Source:**

<http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/>