

## QGIS Application - Bug report #21447

### Vectorlayer from spatialite missing features and inconsistent feature count

2019-03-02 10:45 AM - Henrik Spångmyr

<b>Status:</b>	Feedback	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Data Provider/Spatialite	
<b>Affected QGIS version:</b>	3.6.0	<b>Regression?:</b> No
<b>Operating System:</b>	Linux Mint 19.1 Tessa	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 29264
<b>Description</b>		
<p>QGIS show different feature count in layer list and in attribute table and some features are missing in attribute table.</p> <p>I have database A with 1622 features in table obs_points.</p> <p>I have a view of table obs_points, also with 1622 features.</p> <p>I created a new database B and transfered all rows from A.obs_points to B.obs_points. Database B also has a view of B.obs_points.</p> <p>I've attached an image which shows the issue.</p> <p>There should be 1622 rows in all tables and views.</p> <p>Layer obs_points_A show 1480 features in the layerlist, but 1580 in the attribute table and 1622 in spatialite_gui. &lt;&lt; WRONG</p> <p>Layer obs_points_A_view show 1565 features in the layerlist, but 1622 in the attribute table and 1622 in spatialite_gui. &lt;&lt; WRONG</p> <p>Layer obs_points_B show 1622 features in the layerlist, but 1622 in the attribute table and 1622 in spatialite_gui. &lt;&lt; Correct</p> <p>Layer obs_points_B_view show 1622 features in the layerlist, but 1622 in the attribute table and 1622 in spatialite_gui. &lt;&lt; Correct</p> <p>When I look in the attribute table for obs_points_A, the rows with rowids 1-42 (the rowid in the sqlite table) seems to be the missing rows.</p> <p>Also, loading a spatialite table to QgsVectorLayer using qgis, i get vlayer.featureCount()=0 for some reason while I get lots of features from vlayer.getFeatures(). Not sure if it's related or not.</p> <p>So, my transfer of rows fixed the issue, but I'm not sure why the first database isn't working well with QGIS 3.6.</p>		

#### History

**#1 - 2019-03-02 11:16 AM - Giovanni Manghi**

- Status changed from Open to Feedback

Can you please attach sample data? thanks!

**#2 - 2019-03-02 12:47 PM - Henrik Spångmyr**

- File qgis\_redmine\_21447\_sqlite added

- Status changed from Feedback to Open

I've attached a database that originally was database "A" as described in the bug report.

I

... removed all tables except obs\_points and view\_obs\_points.

... set all columns to NULL except the column obs\_points.obsid. I've also renamed all obsids to the same as ROWID.

... cleared sql\_statements\_log.

I've found the 1480 number in this sql-query:

```
SELECT ROWID, "f_table_name", "f_geometry_column", "last_verified", "row_count" FROM "geometry_columns_statistics":
```

```
4  obs_points  geometry  2018-01-31T14:27:43.790Z  1480
```

### #3 - 2019-03-02 12:57 PM - Henrik Spångmyr

- File qgis\_redmine\_21447\_2.sqlite added

I've attached a new file to replace the first.

### #4 - 2019-03-02 01:10 PM - Giovanni Manghi

- File deleted (qgis\_redmine\_21447\_.sqlite)

### #5 - 2019-03-02 01:17 PM - Giovanni Manghi

- Status changed from Open to Feedback

The attached sample, should represent the database A or B?

Here on master (ubuntu) in the dataset you attached I see 1622 records in both the table and the view.

### #6 - 2019-03-02 01:19 PM - Giovanni Manghi

Henrik Spångmyr wrote:

| I've attached a database that originally was database "A" as described in the bug report.

ok I overlooked this... so this means the atatched database is "A", this also means I can't confirm the issue.

### #7 - 2019-03-02 01:30 PM - Henrik Spångmyr

Giovanni Manghi wrote:

| Henrik Spångmyr wrote:

| I've attached a database that originally was database "A" as described in the bug report.

| ok I overlooked this... so this means the atatched database is "A", this also means I can't confirm the issue.

How odd!

I've downloaded my uploaded file, loading the tables obs\_points and view\_obs\_points using Layer>Add Layer>Add SpatiaLite Layer.

If I right-click and mark "Show Feature Count" in for both layers, obs\_points show [1480] and view\_obs\_points show [1565].  
The attribute table still show 1580 features for obs\_points.

This is with the release QGIS version 3.6.0-Noosa QGIS code revision 5873452.

Maybe there is a fix in the master that isn't in the 3.6 release?

#### #8 - 2019-03-02 01:39 PM - Henrik Spångmyr

I've reinstall QGIS to QGIS version 3.7.0-Master QGIS code revision 83f286a

I still get the same feature counts both in the Layer window and the attribute table.

So maybe there is something else going on here. Like the spatialite version. I have SpatiaLite Version 4.3.0a.

#### #9 - 2019-03-02 01:41 PM - Giovanni Manghi

| So maybe there is something else going on here. Like the spatialite version. I have SpatiaLite Version 4.3.0a.

same version here.

Try with a new/clean profile.

#### #10 - 2019-03-02 01:42 PM - Giovanni Manghi

| Try with a new/clean profile.

||| no 3rd party plugins

#### #11 - 2019-03-02 02:01 PM - Henrik Spångmyr

Giovanni Manghi wrote:

| Try with a new/clean profile.

||| no 3rd party plugins

I reinstall QGIS 3.6 release, but I also have an own built version QGIS-version 3.7.0-Master QGIS kodrevision b1e280b3e8

I created new profiles for both of them. There are no 3rd party plugins activated in the profiles.

I still get the same feature counts in both layerlist and attribute table for both versions.

I will build a version from the github master and check that also.

**#12 - 2019-03-02 02:30 PM - Henrik Spångmyr**

- Status changed from Feedback to Open

I've installed my fresh build from github master branch:

QGIS-version 3.7.0-Master QGIS kodrevision 55732128f7

I've created a new profile.

Still the same feature counts.

**#13 - 2019-03-02 02:34 PM - Giovanni Manghi**

- Status changed from Open to Feedback

Henrik Spångmyr wrote:

*I've installed my fresh build from github master branch:*

*QGIS-version 3.7.0-Master QGIS kodrevision 55732128f7*

*I've created a new profile.*

*Still the same feature counts.*

and... still can't confirm here, tried also in my clean testing Windows environment (QGIS master, 3.6).

This will need some further investigation on your side as it seems a local issue anyway.

Have you tried on a completely different box (or even a VM)?

**#14 - 2019-03-02 04:21 PM - Henrik Spångmyr**

Now I've tested some more.

Main system QGIS 3.6, 3.7 nightly > The problem in the bug report.

QGIS 2.18 on virtualbox -> Works. 1622 features on all places.

QGIS 3.4.x on other virtualbox > Same problem as the bug report.

QGIS 3.6.0 on windows 10 (not virtualbox) > Same problem as bug report! (see specifics below).

So the issue exists for me on 3 different installations, two linux mint 19.1 and one windows 10, all running qgis3 and two running qgis 3.6!

The Windows10 version:

QGIS-version

3.6.0-Noosa

QGIS kodrevision

58734527ab

Kompilerad för Qt

5.11.2

Kör med Qt

5.11.2  
Kompilerad mot GDAL/OGR  
2.4.0  
Körs mot GDAL/OGR  
2.4.0  
Kompilerad mot GEOS  
3.7.0-CAPI-1.11.0  
Kör mot GEOS  
3.7.0-CAPI-1.11.0 673b9939  
PostgreSQL-klientversion  
9.2.4  
Spatialite-version  
4.3.0  
QWT-version  
6.1.3  
QScintilla2-version  
2.10.8  
Kompilerad mot PROJ  
520  
Kör mot PROJ  
5.2.0

**#15 - 2019-03-02 10:57 PM - Giovanni Manghi**

Henrik Spångmyr wrote:

*Now I've tested some more.*

*Main system QGIS 3.6, 3.7 nightly > The problem in the bug report.*

*QGIS 2.18 on virtualbox -> Works. 1622 features on all places.*

*QGIS 3.4.x on other virtualbox > Same problem as the bug report.*

*QGIS 3.6.0 on windows 10 (not virtualbox) > Same problem as bug report! (see specifics below).*

weird, cannot replicate on both Windows and Linux.

**#16 - 2019-03-04 02:12 PM - Henrik Spångmyr**

I've replicated this bug on a second computer with a completely fresh install of Windows 10 with fresh install of QGIS 3.6 using OSGeo4W 64-bit install ([http://download.osgeo.org/osgeo4w/osgeo4w-setup-x86\\_64.exe](http://download.osgeo.org/osgeo4w/osgeo4w-setup-x86_64.exe)).

**Files**

featurecount_bug.png	180 KB	2019-03-02	Henrik Spångmyr
qgis_redmine_21447_2.sqlite	236 KB	2019-03-02	Henrik Spångmyr