QGIS Application - Bug report #20092
GeoPackage SQL issues in DB Manager

2018-10-12 02:28 PM - Antoine Fonoxo

Status:	Open		
Priority:	High		
Assignee:			
Category:	DB Manager		
Affected QGIS version:	3.5(master)	**Regression?:**	Yes
Operating System:	Windows 7 64bits, Linux	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	27914

Description

DB Manager issues with GPKG geometries on perfectly valid GeoPackage files (made by QGIS or ogr2ogr).
The following SQL queries fail in DB Manager
(but succeed in DB Browser 4 SQLite with EnableGpkgAmphibiousMode) :

SELECT AsWKT(geom) FROM mypolygon;
--> returns NULL ; should return: MULTIPOLYGON(...

SELECT ST_Area(geom) FROM mypolygon;
--> returns NULL ; should return numeric

SELECT isvalid(geom) FROM mypolygon;
--> returns -1 (which means: UNKNOWN) ; should return 0 or 1

History

#1 - 2018-10-15 11:52 AM - Antoine Fonoxo

Here is a clarification about DB Manager:
These queries fail in the "GeoPackage" section. But it works in the "Virtual Layers" section of DB Manager:
 SELECT ST_Area(geometry) FROM mypolygon;

But you can't make an UPDATE or INSERT by "Virtual Layers"...

And I tested the same queries with ogrinfo (bundled with QGIS 2.18): no problem with geom functions.

#2 - 2018-10-19 12:52 PM - Alexandre Neto

- Operating System changed from Windows 7 64bits to Windows 7 64bits, Linux

I am seeing this kind of problems also on QGIS 3.2.3 on linux.

In my case the layers were imported using Save as selected tool in QGIS. When I try to get something from the geom column it always return NULL. Still, I can still load the layer and visualize the layer fine on QGIS.

#3 - 2018-11-15 12:54 PM - Alexandre Neto

- Affected QGIS version changed from 2.18.24 to 3.4.1

- Priority changed from Normal to High

#4 - 2018-11-15 03:04 PM - Alexandre Neto

- Affected QGIS version changed from 3.4.1 to 3.5(master)

#5 - 2018-11-15 03:04 PM - Alexandre Neto

- Regression? changed from No to Yes