

QGIS Application - Bug report #16884

Can't add GeoPackage layer if gpkg_contents extents are invalid

2017-07-18 06:42 PM - Jeff Yutzler

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Vectors	
Affected QGIS version:	2.18.10	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: up/downstream
Crashes QGIS or corrupts data:	No	Copied to github as #: 24783
Description		
<p>GeoPackages provide an informative set of extents for each layer in gpkg_contents. In theory those extents represent a logical view that can be applied after the layer is added. However, if those extents are invalid for any reason (for example, minY and maxX swapped), the layer can't be added at all.</p> <p>Actual behavior:</p> <p>Invalid Layer: GDAL provider Cannot open GDAL dataset /Users/JeffYutzler/Data/ek7demo/ek7demo.gpkg: Illegal min_x/min_y/max_x/max_y values for osm_tiles (file: src/providers/gdal/qgsgdalprovider.cpp row: 174function QgsGdalProvider:) Raster layer Provider is not valid (provider: gdal, URI: /Users/JeffYutzler/Data/ek7demo/ek7demo.gpkg (file: src/core/raster/qgsrasterlayer.cpp row: 668function setDataProvider:))</p> <p>Expected behavior:</p> <p>Add the layer, just ignore the invalid extents (don't zoom in or anything) and maybe give an informative message.</p>		

History

#1 - 2017-07-18 06:44 PM - Giovanni Manghi

- Category changed from Data Provider/SpatialLite to Vectors

#2 - 2017-07-18 07:07 PM - Jeff Yutzler

Note: I first discovered the issue with a raster dataset, not vector.

Test data: https://portal.opengeospatial.org/files/?artifact_id=74866&version=1 (note: > 400MB file)

#3 - 2017-07-18 10:11 PM - Even Rouault

Jeff,

The ticket is purely a GDAL one so should be opened in the GDAL bug tracker (<https://trac.osgeo.org/gdal/newticket>). Interestingly I see there's actually no requirements for the gpkg_contents bbox to be even a valid one with min_x < max_x and min_y < max_y. So yes the driver is probably a bit too picky and should default to using the extent of gpkg_tile_matrix_set as it would do if there was no gpkg_contents bbox at all.

The link you provide to the dataset is not accessible without OGC credentials.

#4 - 2017-07-18 10:57 PM - Giovanni Manghi

- Resolution set to up/downstream

- Status changed from Open to Closed

#5 - 2017-07-24 05:38 PM - Even Rouault

Fixed in GDAL per <https://trac.osgeo.org/gdal/ticket/6976>