

QGIS Application - Bug report #17434

OTF turned on when adding a (non spatial) postgresql table

2017-11-09 06:22 PM - Donovan Cameron

Status: Closed	
Priority: Normal	
Assignee:	
Category: Projection Support	
Affected QGIS version: 2.18.14	Regression?: No
Operating System:	Easy fix?: Yes
Pull Request or Patch supplied: No	Resolution: no timely feedback
Crashes QGIS or corrupts data: No	Copied to github as #: 25331
Description	
<p>I've got a postgresql/postgis database and some tables are non-spatial.</p> <p>They are uploaded to postgresql using the ogr2ogr option -nlt NONE</p> <p>If I add one of these tables to QGIS when there are already some spatial tables in the map canvas, OTF is enabled assuming the non-spatial tables are WGS84.</p> <p>Maybe when adding a table that has no geometry defined QGIS shouldn't be turning OTF on when it's probably not needed.</p>	

History

#1 - 2017-11-09 06:34 PM - Donovan Cameron

Here's the debug output when the non-spatial table is added after there are already spatial tables in the map canvas.

```
src/app/qgsbrowserdockwidget.cpp: 572: (addLayerAtIndex) [12612ms] rowCount() = 0
src/app/qgsbrowserdockwidget.cpp: 555: (addLayer) [1 ms] postgres : dbname='witaskewin' host=sfngis port=5432 sslmode=require
table="bcgov_mngd"."tbl_png_title_conditions" sql=
src/app/qgisapp.cpp: 9300: (addVectorLayer) [0ms] Creating new vector layer using dbname='witaskewin' host=sfngis port=5432 sslmode=require
table="bcgov_mngd"."tbl_png_title_conditions" sql= with baseName of tbl_png_title_conditions and providerKey of postgres
src/core/qgsproviderregistry.cpp: 377: (provider) [0ms] Library name is /usr/lib/qgis/plugins/libpostgresprovider.so
src/providers/postgres/qgspostgresprovider.cpp: 94: (QgsPostgresProvider) [0ms] URI: dbname='witaskewin' host=sfngis port=5432 sslmode=require
table="bcgov_mngd"."tbl_png_title_conditions" sql=
src/core/qgis.cpp: 186: (fromNewWkbType) [0ms] unexpected new wkbType=0
src/providers/postgres/qgspostgresprovider.cpp: 130: (QgsPostgresProvider) [0ms] Connection info is dbname='witaskewin' host=sfngis port=5432
sslmode=require
src/providers/postgres/qgspostgresprovider.cpp: 131: (QgsPostgresProvider) [0ms] Geometry column is:
src/providers/postgres/qgspostgresprovider.cpp: 132: (QgsPostgresProvider) [0ms] Schema is: bcgov_mngd
src/providers/postgres/qgspostgresprovider.cpp: 133: (QgsPostgresProvider) [0ms] Table name is: tbl_png_title_conditions
src/providers/postgres/qgspostgresprovider.cpp: 134: (QgsPostgresProvider) [0ms] Query is: "bcgov_mngd"."tbl_png_title_conditions"
src/providers/postgres/qgspostgresprovider.cpp: 135: (QgsPostgresProvider) [0ms] Where clause is:
src/providers/postgres/qgspostgresconn.cpp: 157: (connectDb) [0ms] Using cached connection for dbname='witaskewin' host=sfngis port=5432
sslmode=require
src/providers/postgres/qgspostgresprovider.cpp: 1055: (hasSufficientPermsAndCapabilities) [0ms] Checking for permissions on the relation
src/providers/postgres/qgspostgresprovider.cpp: 744: (loadFields) [4ms] Loading fields for table tbl_png_title_conditions
src/providers/postgres/qgspostgresprovider.cpp: 1251: (determinePrimaryKey) [6ms] Checking whether SELECT count(*) FROM pg_inherits WHERE
inhparent="bcgov_mngd"."tbl_png_title_conditions"::regclass is a parent table
src/providers/postgres/qgspostgresprovider.cpp: 1256: (determinePrimaryKey) [1ms] Retrieving first primary or unique index: SELECT indexrelid FROM
pg_index WHERE indrelid="bcgov_mngd"."tbl_png_title_conditions"::regclass AND (indisprimary OR indisunique) ORDER BY CASE WHEN indisprimary
```

THEN 1 ELSE 2 END LIMIT 1

src/providers/postgres/qgspostgresprovider.cpp: 1259: (determinePrimaryKey) [1ms] Got 1 rows.
src/providers/postgres/qgspostgresprovider.cpp: 1327: (determinePrimaryKey) [0ms] Retrieving key columns: SELECT attnname,attnotnull FROM pg_index,pg_attribute WHERE indexrelid=2100944 AND indrelid=attnrelid AND pg_attribute.attnum=any(pg_index.indkey)
src/providers/postgres/qgspostgresprovider.cpp: 1329: (determinePrimaryKey) [0ms] Got 1 rows.
src/core/qgsproviderregistry.cpp: 399: (provider) [1ms] Instantiated the data provider plugin: postgres
src/core/qgsvectorlayer.cpp: 1733: (setDataProvider) [0ms] Instantiated the data provider plugin
src/core/qgsvectorlayer.cpp: 1759: (setDataProvider) [0ms] Beautifying layer name tbl_png_title_conditions
src/core/qgsvectorlayer.cpp: 1783: (setDataProvider) [0ms] Beautified layer name tbl_png_title_conditions
src/core/qgsvectorlayer.cpp: 2905: (setCoordinateSystem) [0ms] ----- Computing Coordinate System
src/app/qgisapp.cpp: 9320: (addVectorLayer) [8ms] got valid layer with 0 sublayers
src/plugins/grass/qgsgrassplugin.cpp: 338: (onLayerWasAdded) [3ms] name = tbl_png_title_conditions
src/plugins/geometry_checker/ui/qgsgeometrycheckersetuptab.cpp: 91: (updateLayers) [1ms] Adding layer, have 2 in list
src/plugins/geometry_checker/ui/qgsgeometrycheckersetuptab.cpp: 91: (updateLayers) [0ms] Adding layer, have 2 in list
src/plugins/geometry_checker/ui/qgsgeometrycheckersetuptab.cpp: 91: (updateLayers) [0ms] Adding layer, have 2 in list
src/core/qgsproviderregistry.cpp: 477: (providerLibrary) [223ms] Library name is /usr/lib/qgis/plugins/libpostgresprovider.so
src/providers/postgres/qgspostgresconn.cpp: 157: (connectDb) [0ms] Using cached connection for dbname='witaskewin' host=sfngis port=5432 sslmode=require
src/core/qgsmaplayer.cpp: 1153: (loadNamedStyle) [1ms] uri = dbname='witaskewin' host=sfngis port=5432 sslmode=require key='ogc_fid' table="bcgov_mngd"."tbl_png_title_conditions" sql= myURI = dbname='witaskewin' host=sfngis port=5432 sslmode=require key='ogc_fid' table="bcgov_mngd"."tbl_png_title_conditions" sql=
src/core/qgsmaplayer.cpp: 1175: (loadNamedStyle) [0ms] project fileName: /home/saultdon
src/core/qgsmaplayer.cpp: 1108: (loadNamedStyleFromDb) [0ms] db = /home/saultdon/.qgis2//qgis.qmldb uri = dbname='witaskewin' host=sfngis port=5432 sslmode=require key='ogc_fid' table="bcgov_mngd"."tbl_png_title_conditions" sql=
src/core/qgsmaplayer.cpp: 1118: (loadNamedStyleFromDb) [0ms] Trying to load style for "dbname='witaskewin' host=sfngis port=5432 sslmode=require key='ogc_fid' table="bcgov_mngd"."tbl_png_title_conditions" sql=" from "/home/saultdon/.qgis2//qgis.qmldb"
src/core/qgsmaplayer.cpp: 1108: (loadNamedStyleFromDb) [0ms] db = /usr/share/qgis/resources/qgis.qmldb uri = dbname='witaskewin' host=sfngis port=5432 sslmode=require key='ogc_fid' table="bcgov_mngd"."tbl_png_title_conditions" sql=
src/core/qgsmaplayer.cpp: 1118: (loadNamedStyleFromDb) [0ms] Trying to load style for "dbname='witaskewin' host=sfngis port=5432 sslmode=require key='ogc_fid' table="bcgov_mngd"."tbl_png_title_conditions" sql=" from "/usr/share/qgis/resources/qgis.qmldb"
src/gui/qgsmapcanvas.cpp: 694: (refresh) [0ms] CANVAS refresh scheduling
src/gui/qgsmapcanvas.cpp: 455: (setLayerSet) [1ms] Layers changed to: tbl_png_title_conditions20171109103132508, vw_disposition_deferred20171109103118814, png_tenure20171109103114328
src/gui/qgsmapcanvas.cpp: 493: (setLayerSet) [0ms] Layers have changed, refreshing
src/core/qgsmaprender.cpp: 1012: (setLayerSet) [0ms] Entering: tbl_png_title_conditions20171109103132508, vw_disposition_deferred20171109103118814, png_tenure20171109103114328
src/gui/qgsmapcanvas.cpp: 688: (refresh) [0ms] CANVAS refresh already scheduled
src/gui/qgsmapcanvas.cpp: 688: (refresh) [1ms] CANVAS refresh already scheduled
src/core/qgsmaprender.cpp: 665: (setProjectionsEnabled) [0ms] Adjusting DistArea projection on/off
src/gui/qgsmapcanvas.cpp: 704: (refreshMap) [5ms] CANVAS refresh!
src/core/qgsscalecalculator.cpp: 40: (setMapUnits) [1ms] Map units set to 2
src/core/qgsmaprender.cpp: 182: (prepareJobs) [0ms] CACHE VALID: 1
src/core/qgsmaprender.cpp: 192: (prepareJobs) [0ms] Rendering at layer item png_tenure20171109103114328
src/core/qgsmaprender.cpp: 208: (prepareJobs) [0ms] layer png_tenure: minscale:0 maxscale:1e+08 scaledepvis:0 blendmode:0
src/core/qgsmaprender.cpp: 226: (prepareJobs) [0ms] extent: 536019.7558401639107615,714260.9875000000465661 : 1879718.6191598360892385,1711236.5124999999534339
src/core/qgsmaprender.cpp: 192: (prepareJobs) [0ms] Rendering at layer item vw_disposition_deferred20171109103118814
src/core/qgsmaprender.cpp: 208: (prepareJobs) [0ms] layer vw_disposition_deferred: minscale:0 maxscale:1e+08 scaledepvis:0 blendmode:0
src/core/qgsmaprender.cpp: 226: (prepareJobs) [0ms] extent: 536019.7558401639107615,714260.9875000000465661 : 1879718.6191598360892385,1711236.5124999999534339
src/core/qgsmaprender.cpp: 192: (prepareJobs) [0ms] Rendering at layer item tbl_png_title_conditions20171109103132508
src/core/qgsmaprender.cpp: 208: (prepareJobs) [0ms] layer tbl_png_title_conditions: minscale:0 maxscale:1e+08 scaledepvis:0 blendmode:0
src/core/qgscoordinatetransform.cpp: 538: (transformBoundingBox) [1ms] Entering transformBoundingBox...

src/core/qgscoordinatetransform.cpp: 607: (transformBoundingBox) [0ms] Projected extent: -134.3444545599743094,50.7401789866941400 : -110.3643253305413907,60.3841349261776443

src/core/qgscoordinatetransform.cpp: 538: (transformBoundingBox) [1ms] Entering transformBoundingBox...

src/core/qgscoordinatetransform.cpp: 607: (transformBoundingBox) [0ms] Projected extent: 412809.0529681741027161,636152.9973105994286016 : 2093874.2437018954660743,1806382.5284756093751639

src/core/qgsmaprenderjob.cpp: 98: (reprojectToLayerExtent) [0ms]

0:536019.7558401639107615,714260.9875000000465661 : 1879718.6191598360892385,1711236.5124999999534339 1.3437e+06x996976

1:-134.3444545599743094,50.7401789866941400 : -110.3643253305413907,60.3841349261776443

2:412809.0529681741027161,636152.9973105994286016 : 2093874.2437018954660743,1806382.5284756093751639 1.68107e+06x1.17023e+06 (w:0.251073 h:0.17378)

src/core/qgsmaprenderjob.cpp: 226: (prepareJobs) [0ms] extent: -134.3444545599743094,50.7401789866941400 : -110.3643253305413907,60.3841349261776443

src/core/qgsmaprenderparalleljob.cpp: 80: (start) [1ms] QThreadPool max thread count is 8

src/core/qgsmaprenderparalleljob.cpp: 257: (renderLayerStatic) [6ms] [thread:0x7f9d14036350] job 55a573602530 start (layer tbl_png_title_conditions20171109103132508)

src/core/qgsmaprenderparalleljob.cpp: 279: (renderLayerStatic) [0ms] [thread:0x7f9d14036350] job 55a573602530 end [0 ms] (layer tbl_png_title_conditions20171109103132508)

src/core/qgsmaprenderjob.cpp: 333: (cleanupJobs) [6ms] caching image for tbl_png_title_conditions20171109103132508

src/core/qgsmaprenderparalleljob.cpp: 218: (renderLayersFinished) [0ms] PARALLEL layers finished

src/core/qgsmaprendercustompainterjob.cpp: 299: (drawLabeling) [0ms] [thread:0x7f9d1404dd40] Draw labeling start

src/core/qgsvectorlayer.cpp: 320: (drawLabels) [1ms] [thread:0x7f9d1404dd40] Starting draw of labels: png_tenure20171109103114328

src/core/qgsvectorlayer.cpp: 320: (drawLabels) [0ms] [thread:0x7f9d1404dd40] Starting draw of labels: vw_disposition_deferred20171109103118814

src/core/qgscoordinatetransform.cpp: 538: (transformBoundingBox) [0ms] [thread:0x7f9d1404dd40] Entering transformBoundingBox...

src/core/qgscoordinatetransform.cpp: 607: (transformBoundingBox) [0ms] [thread:0x7f9d1404dd40] Projected extent: -134.3444545599743094,50.7401789866941400 : -110.3643253305413907,60.3841349261776443

src/core/qgscoordinatetransform.cpp: 538: (transformBoundingBox) [0ms] [thread:0x7f9d1404dd40] Entering transformBoundingBox...

src/core/qgscoordinatetransform.cpp: 607: (transformBoundingBox) [1ms] [thread:0x7f9d1404dd40] Projected extent: 412809.0529681741027161,636152.9973105994286016 : 2093874.2437018954660743,1806382.5284756093751639

src/core/qgsmaprenderjob.cpp: 98: (reprojectToLayerExtent) [0ms] [thread:0x7f9d1404dd40]

0:536019.7558401639107615,714260.9875000000465661 : 1879718.6191598360892385,1711236.5124999999534339 1.3437e+06x996976

1:-134.3444545599743094,50.7401789866941400 : -110.3643253305413907,60.3841349261776443

2:412809.0529681741027161,636152.9973105994286016 : 2093874.2437018954660743,1806382.5284756093751639 1.68107e+06x1.17023e+06 (w:0.251073 h:0.17378)

src/core/qgsmaprendercustompainterjob.cpp: 327: (drawLabeling) [0ms] [thread:0x7f9d1404dd40] Draw labeling took (seconds): 0.002

src/core/qgsmaprenderparalleljob.cpp: 238: (renderingFinished) [3ms] PARALLEL finished

src/gui/qgsmapcanvas.cpp: 756: (renderJobFinished) [0ms] CANVAS finish! 1

src/core/layertree/qgslayertreemodel.cpp: 1513: (invalidateLegendMapBasedData) [746ms] Entering.

src/core/layertree/qgslayertreemodel.cpp: 1513: (invalidateLegendMapBasedData) [0ms] Leaving.

#2 - 2017-11-13 11:03 AM - Giovanni Manghi

- Category changed from Unknown to Projection Support

- Subject changed from OTF turned on when adding a postgresql table to OTF turned on when adding a (non spatial) postgresql table

#3 - 2019-01-21 12:34 AM - Jürgen Fischer

- Status changed from Open to Feedback

Please test with QGIS 3.4 - QGIS 2.18 reached it's end of life.

#4 - 2019-02-24 01:35 AM - Giovanni Manghi

- Resolution set to no timely feedback

- Status changed from Feedback to Closed