QGIS Application - Bug report #4792
Geometry type of geography columns can't be found

2012-01-11 09:22 PM - Sandro Santilli

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Data Provider/PostGIS			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	fixed	
Crashes QGIS or corrupts data:		**Copied to github as #:**	14647	

Description

Logging to a PostGIS-1.5 database and browsing tables there's a geography table for which qgis master can't figure the geometry type. It's a geography with ZM dimensions and contains a POINT. The entry for it in geography_columns says 'Geometry'.

QGiS 1.7.3 is fine with it. I didn't test 1.8

Could depend on 'GEOMETRY' vs. 'Geometry', but it is just a guess, didn't look at the code.

History

#1 - 2012-01-11 09:40 PM - Sandro Santilli

The above description was with "Only look in geometry_columns" checked. Deselecting it Qgis gets out of the "Waiting.." indication and reports type "Select..." instead. No idea what that means, but you can't load it as a layer.

#2 - 2012-01-11 09:42 PM - Sandro Santilli

Note that 1.7.4 still works, even with "only look in geometry_columns table".
The behavior there is to show 'GEOMETRY' as the type and figure out it is a point when loading it.

#3 - 2012-01-17 06:48 AM - Jürgen Fischer

Sandro Santilli wrote:

> *The above description was with "Only look in geometry_columns" checked. Deselecting it Qgis gets out of the "Waiting.." indication and reports type "Select..." instead. No idea what that means, but you can't load it as a layer.*

"Select..." means that there is no data in that column and you need to tell QGIS which geometry it should expect/allow when editing.

#4 - 2012-01-17 09:17 AM - Sandro Santilli

As of commit:6c9663c I get a "Waiting..." message (maybe it was always "Waiting..." rather than "Select...").
The tables contain a single entry. 1.7.4 is able to read them.
It happens with both the geometry and the geography column.

I'll try current master and let you know.

#5 - 2012-01-17 09:39 AM - Sandro Santilli

- Resolution set to invalid

Sorry for the confusing message above. Now I get the meaning of "Select..." (altough it is a bit confusing at first as you don't see any select list before moving over it).

Anyway, I've found the problem: my test database is broken:

```
strk=# select * from zmgeog;
 id |                    g
----+-------------------------------------------------------------------------------
  1 | 01010000E0E6100000000000000000F03F0000000000000040000000000000008400000000000001040
(1 row)

strk=# select *, geometrytype(g), st_astext(g) from zmgeog;
ERROR:  function geometrytype(geography) does not exist at character 11*
```


Dunno what's the best way to report such error.

I also confirm 1.7.4 is unable to figure geometry type (just says WAITING there) but contrary to master 1.7.4 is able to open the table.

#6 - 2012-01-17 09:56 AM - Sandro Santilli

- Status changed from Open to Closed

See postgis ticket about the thing: https://trac.osgeo.org/postgis/ticket/1450 (although I still think 1.7.4 was smarter about this)

#7 - 2012-01-17 10:07 AM - Sandro Santilli

- Status changed from Closed to Reopened

- Resolution deleted (invalid)

Actually, didn't I provide a patch with all the ::geometry casts ?

Since 1.5 won't be affected by changes in 2.0 it would make sense to use the cast (but only for geography)

#8 - 2012-01-17 10:14 AM - Sandro Santilli

- Resolution set to fixed

- Status changed from Reopened to Closed

- % Done changed from 0 to 100

Forget it, it really looks like everything is fine now (dunno since which commit).

The casts are in place (maybe commit:98876da9).

My problem was likely the long waiting due to Bug #4832