QGIS Application - Feature request #10523
Postgis provider: a styles in layer_style with useasdefault set to false are used as default style

2014-06-10 07:05 AM - Gabriele Monfardini

Status:	Open		
Priority:	Normal		
Assignee:			
Category:	Data Provider/PostGIS		
Pull Request or Patch supplied:	Yes	**Resolution:**	
Easy fix?:	No	**Copied to github as #:**	18933

Description

I have a postgis layer with several styles saved in table public.layer_styles.

All styles have useasdefault set to false (these styles only makes sense within some projects, should not be used as default styles).

Obtained results

When I open the layer without any project, one of the styles is applied, in particular the one with update_time more recent.

Expected results

When I open the layer without any project, no style is applied

Discussion

The exact query that finds the default style is in ~qgis/src/providers/postgres/qgspostgresprovider.cpp, line 3464

```
QString selectQmlQuery = QString( "SELECT styleQML"
             " FROM layer_styles"
             " WHERE f_table_catalog=%1"
             " AND f_table_schema=%2"
             " AND f_table_name=%3"
             " AND f_geometry_column=%4"
             " ORDER BY CASE WHEN useAsDefault THEN 1 ELSE 2 END"
             ",update_time DESC LIMIT 1" )
```

In my opinion rows with useasdefault set to false should be completely filtered out by the query.

If all styles have useasdefault set to false, current query retrieves the most recent style while I think that no rows should be retrieved in this case and a "random color" style be applied.

Thus I propose to change the query to:

```
QString selectQmlQuery = QString( "SELECT styleQML"
             " FROM layer_styles"
             " WHERE f_table_catalog=%1"
             " AND f_table_schema=%2"
             " AND f_table_name=%3"
             " AND f_geometry_column=%4"
             " WHERE useAsDefault"
             " ORDER BY update_time DESC LIMIT 1" )
```

History

#1 - 2014-06-10 08:39 AM - Gabriele Monfardini

- File 10523.patch added

#2 - 2014-06-10 08:41 AM - Giovanni Manghi

better propose a patch as a pul request on qgis github repository, here it will probably not seen/reviewed by devs.

#3 - 2014-06-21 11:29 AM - Jürgen Fischer

- Category set to Data Provider/PostGIS

#4 - 2014-06-21 11:50 AM - Jürgen Fischer

- Tracker changed from Bug report to Feature request

There are two order criteria - first useDefault, second update_time. So the style with default comes first and the reset is ordered by update_time - that means if there is no style with useDefault the most current non-default style is taken. IMHO that's no bug - although the other behavior also makes sense.

#5 - 2017-05-01 12:47 AM - Giovanni Manghi

- Easy fix? set to No

Files

10523.patch	1.03 KB	2014-06-10	Gabriele Monfardini