QGIS Application - Bug report #1339
Can't set projection to WGS84 UTM Zone 15N

2008-10-07 12:41 PM - vedgewater -

Status:	Closed			
Priority:	Low			
Assignee:	nobody -			
Category:	Projection Support			
Affected QGIS version:		**Regression?:**	No	
Operating System:	Gentoo	**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	invalid	
Crashes QGIS or corrupts data:		**Copied to github as #:**	11399	

Description

Hello there,

I'm trying to write a python plugin which needs to determine georeferencing info for layers.

I set a layer's projection by right clicking the layer, selecting properties and then selecting Change SRS under the general tab.

I select SRSID 2992 (UTM Z 15N) and click apply

In my python code, I am doing something like this:

srsID = regionLayer.srs().srsid()

srsID always comes out as 3344 instead of 2992!

Other queries through srs() also seem to say the layer is of longlat instead of UTM as I tried to define.

Is this a known issue?

Regards,

Vince

History

#1 - 2008-10-19 05:54 PM - Fernando Pacheco -

On Linux (Ubuntu) and Windows:
I loaded a layer with custom projection (South America LCC: +proj=lcc +lat_1=-5 +lat_2=-42 +lat_0=-32 +lon_0=-60 +x_0=0 +y_0=0 +ellps=aust_SA +units=m no_defs) from a [[PostgreSQL]]/PostGIS database. Then I selected the layer with the mouse. I opened the Python console and wrote *iface.activeLayer().srs().srsid()*. I get the following result **1001**.

I loaded a layer with UTM WGS84 15N from a Shape File. Then I selected the layer with the mouse. I opened the Python console and wrote *iface.activeLayer().srs().srid()*. I get the following result **2992**.

I set a layer's projection by right clicking the layer, selecting properties and then selecting Change SRS under the general tab. I changed the SRC several times in the same layer and ask again with *iface.activeLayer().srs().srsid()* and the result always change, then I believe that in my case it worked smoothly.

Could you please send me more information?. Regards, Fernando.

#2 - 2008-10-28 01:20 PM - vedgewater -

Hi Fernando,

Sorry for not getting back to you sooner, I have been away last week.

Using python console, I am now able to reproduce the error....

If you:

1 Open the attached shape file in QGIS (it's lat/lon)

2 Save the this as a QGIS workspace

3 Right click the layer, properties, General tab, change SRS, select ID 2992

4 Hit Apply, then OK

5 save the workspace

6 Close QGIS

7 Open QGIS

8 Open last used workspace

9 Check through properties again, it should show the layer as UTM

10 Open python console:

11 iface.activeLayer().srs().srsid()

  i get 2992

12 Close and re-open QGIS

13 Open the project again and type the following into python console:

```
def getVectorLayerByName(myName):
  mc = iface.getMapCanvas()
  nLayers = mc.layerCount()
  for I in range(nLayers):
    layer = mc.getZpos(I)
    if str(layer.name()) == str(myName):
      vlayer = [[QgsVectorLayer]](str(layer.source()),  str(myName),  str(layer.getDataProvider().name()))
      if vlayer.isValid():
        return vlayer
```

regionLayer = getVectorLayerByName("boundaryPolygons_004")

regionLayer.srs().srsid()

i get 3344

now type iface.activeLayer().srs().srsid()

i get 2992

I think this might be something to do with changing the SRS in properties only being saved in the workspace and not in the layer itself. If I then save the shape file as a different layer...

(right click layer, save as...)

Add the layer and then in the console:

> | | | | *regionLayer = getVectorLayerByName("boundaryPolygons_005")*

│ │ │ *regionLayer.srs().srsid()*

2992

│ │ │ *iface.activeLayer().srs().srsid()*

2992

Then it's working consistently.

Please bear with me as I'm new to QGIS!

Hopefully you can re-produce this now at your end. Please let me know if for some reason you can't see the layer I attached.

Regards,

Vince

#3 - 2008-10-28 01:24 PM - vedgewater -

Hello again,

I've just realised that the code above has been strangely formatted, it's meant to read like

```
def getVectorLayerByName(myName):
  mc = iface.getMapCanvas()
  nLayers = mc.layerCount()
  for l in range(nLayers):
   layer = mc.getZpos(l)
   if str(layer.name()) == str(myName):
    vlayer = [[QgsVectorLayer]](str(layer.source()),  str(myName),  str(layer.getDataProvider().name()))
    if vlayer.isValid():
      return vlayer

regionLayer = getVectorLayerByName("boundaryPolygons_004")

regionLayer.srs().srsid()
```

Regards,

Vince

#4 - 2008-10-29 04:01 AM - Fernando Pacheco -

Vince,
If you just want to get the layer by name and then take for example the srsid believe that this code would be sufficient:

```
def getVectorLayerByName(myName):
```

```
    mc = iface.getMapCanvas()
    nLayers = mc.layerCount()
    for l in range(nLayers):
      layer = mc.getZpos(l)
      if str(layer.name()) == str(myName):
        return layer


    regionLayer = getVectorLayerByName("boundaryPolygons_004")


    regionLayer.srs().srsid()
```

Please, try it and tell me the results. Regards, Fernando.

#5 - 2008-11-01 03:54 PM - vedgewater -

Hi Fernando,

Thanks for your help, I can use the code you posted without needing to use the "save layer as" workaround in my previous post. It's returning the correct SRS now.

I guess returning vlayer in my original code was the problem.

I shall update my code now...

Shall I make as resolved (fixed) ?

Regards,

Vince

#6 - 2008-11-03 04:41 AM - Fernando Pacheco -
- Status changed from Open to Closed
- Resolution set to invalid

Is not a bug. Close.

#7 - 2009-08-22 12:57 AM - Anonymous

Milestone Version 1.0.0 deleted

Files

boundaryPolygons_004.tgz	1.21 KB	2008-10-28	vedgewater -