

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		
<p>Hello there,</p> <p>I'm trying to write a python plugin which needs to determine georeferencing info for layers.</p> <p>I set a layer's projection by right clicking the layer, selecting properties and then selecting Change SRS under the general tab.</p> <p>I select SRSID 2992 (UTM Z 15N) and click apply</p> <p>In my python code, I am doing something like this:</p> <pre>srsID = regionLayer.srs().srsid()</pre> <p>srsID always comes out as 3344 instead of 2992!</p> <p>Other queries through srs() also seem to say the layer is of longlat instead of UTM as I tried to define.</p> <p>Is this a known issue?</p> <p>Regards,</p> <p>Vince</p>		

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().srsid()`. 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.

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 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()
```

```
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):
```

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```
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 -
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