

QGIS Application - Bug report #2661

QgsVectorLayer.crs not set correctly

2010-04-18 05:54 AM - Václav Řehák

Status:	Closed	
Priority:	Low	
Assignee:	nobody -	
Category:	Projection Support	
Affected QGIS version:		Regression?: No
Operating System:	Windows	Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed
Crashes QGIS or corrupts data:		Copied to github as #: 12721
Description		
I am developing a python plugin operating on data imported from GPX file. My project is to UTM 51N spatialrefsys with On-the-fly transformation enabled and the gpx waypoints layer is in WGS-84 (see attached project file). I want to reproject my waypoints to project SRS (UTM 51N) a do some calculation. I tried the following code but it does not work (newpoint coordinates are not in UTM) <pre>renderer = self.canvas.mapRenderer() newpoint = renderer.layerToMapCoordinates(waypointslayer, point)</pre> I found out that it is because waypointslayer.crs is set to UTM in the API even though the GUI shows "+proj=longlat +ellps=WGS84 +datum=WGS84 +no_defs" in the layer properties dialog. If I set the crs manually <pre>srs = [[QgsCoordinateReferenceSystem]](4326) vectorlayer.setCrs(srs)</pre> the transformations starts to work. I verified this in both 1.4.0 Windows standalone and trunk r13321 from OSGeo4W. <pre>lrend = vectorlayer.renderer() self.tell("project %s %s" % (renderer.hasCrsTransformEnabled(), renderer.destinationSrs().toWkt())) self.tell("vectorlayer %s" % vectorlayer.crs().toWkt()) for i, point in enumerate(vlist): self.tell("reprojecting %s from layer %s" % (point, vectorlayer.name())) #vlist[i]= renderer.layerToMapCoordinates(vectorlayer, [[QgsPoint]](pointr0, pointr1)) vlist[i]= renderer.layerToMapCoordinates(vectorlayer, point) self.tell("reprojected as %s" % vlist[i]) return vlist</pre>		

Associated revisions

Revision c40b1ed9 - 2010-05-05 01:04 PM - Martin Dobias

Fixed CRS for OSM and GPX providers. Should fix #2661.

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@13425> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision 986da374 - 2010-05-05 01:04 PM - Martin Dobias

Fixed CRS for OSM and GPX providers. Should fix #2661.

History

#1 - 2010-04-18 06:01 AM - Václav Řehák

Sorry for the formating issues and for accidentally keeping my debug code at the end.

This is the code I use to reproject my points:

```
renderer = self.canvas.mapRenderer()
newpoint = renderer.layerToMapCoordinates(waypointslayer, point)
```

and I need to add this to make it work

```
srs = [[QgsCoordinateReferenceSystem]](4326)
waypointslayer.setCrs(srs)
```

#2 - 2010-05-05 04:05 AM - Martin Dobias

- Resolution set to fixed
- Status changed from Open to Closed

fixed in commit:986da374 (SVN r13426).

Files

mili_test2.qgs	21.1 KB	2010-04-18	Václav Řehák
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