

## QGIS Application - Bug report #5058

### Invalid CRS when the newly created shapefile has a different CRS than the project

2012-02-20 07:59 AM - Jan Jensen

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b>	
<b>Affected QGIS version:</b> master	<b>Regression?:</b> No
<b>Operating System:</b> Windows	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> worksforme
<b>Crashes QGIS or corrupts data:</b> No	<b>Copied to github as #:</b> 14828
<b>Description</b>	
<p>Running v1.7.3 'Wroclaw' on 64 bits windows 7 machine.</p> <p>Using one CRS for my project (WSG-84 UTM 33N EPSG:32633) I figured it would be nice to create a shapefile with polygons in plain WSG84-lat/lon (EPSG:4326). No special reason for it, just a whim. However, the projection of new shapefile projection was a total screwup.</p> <p>Here's what I find with ogrinfo -summary</p> <pre>Layer name: test1_originalSRS Geometry: Polygon Feature Count: 3 Extent: (516090.757943, 7524045.000971) - (716205.736382, 7703464.547432) Layer SRS WKT: GEOGCS["GCS_WGS_1984",   DATUM["WGS_1984",     SPHEROID["WGS_1984",6378137,298.257223563]],   PRIMEM["Greenwich",0],   UNIT["Degree",0.017453292519943295]]</pre> <p>As you can see, the Extent is in what looks like UTM coordinates (and assuming zone 33N they are where I expect them to be). Those coordinates don't mix very well with WGS-84 projection parameters... Using UTM (meters) where you expect degrees will clearly produce bogus.</p> <p>For your amusement I've uploaded a screenshot of what it looks like when you import the new shapefile into Qgis. That's EPSG:4326 like you've never seen it before!</p> <p>Additional information: code rev. commit:00624b3, GDAL/OGR v 1.8.1, postgresSQL client v. 8.3.10, spatialLite v 2.4.0, QWT v 5.2.1.</p>	

#### History

#1 - 2012-02-20 08:00 AM - Giovanni Manghi

- Status changed from Open to Feedback

as for the previous ticket you filed, please try qgis-dev with osgeo4w, I think also this was already fixed. Thanks.

**#2 - 2012-02-20 09:38 AM - Jan Jensen**

Installed qgis v1.7.4, and I get exactly the same error as before.

**#3 - 2012-02-20 09:42 AM - Giovanni Manghi**

Jan Jensen wrote:

| *Installed qgis v1.7.4, and I get exactly the same error as before.*

can you test qgis-dev/osgeo4w? it may have been fixed but not backported.

**#4 - 2012-02-21 03:00 AM - Giovanni Manghi**

Just tested to create a new polygon shapefile in WGS84 in a EPSG 32633 project, and the result seems fine in qgis-master

```
GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",.017453292519943295]]
```

General:

Storage type of this layer: ESRI Shapefile

Source for this layer: C:/Users/gio/Desktop/teste.shp

Geometry type of the features in this layer: Polygon

The number of features in this layer: 1

Editing capabilities of this layer: Add Features, Delete Features, Change Attribute Values, Add Attributes, Create Spatial Index, Fast Access to Features at ID, Change Geometries

Extents:

In layer spatial reference system units : xMin,yMin -1.21177,-0.0946221 : xMax,yMax -0.228924,0.683721

Layer Spatial Reference System:

+proj=longlat +datum=WGS84 +no\_defs

Can you please test qgis-master and see if it works fine for you? Thanks

**#5 - 2012-04-18 03:10 AM - Giovanni Manghi**

- *Resolution set to worksforme*

- *Status changed from Feedback to Closed*

Closing for lack of feedback. Reopen if necessary.

**Files**

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qgis_fancycoordinates.PNG	45.7 KB	2012-02-20	Jan Jensen
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