

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

| | | |
|---|---------|-------------------------------------|
| Status: | Closed | |
| Priority: | Normal | |
| Assignee: | | |
| Category: | | |
| Affected QGIS version: | master | Regression?: No |
| Operating System: | Windows | Easy fix?: No |
| Pull Request or Patch supplied: | No | Resolution: worksforme |
| Crashes QGIS or corrupts data: | No | Copied to github as #: 14828 |
| Description | | |
| <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> <p>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]]</p> <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, postgresQL 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

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