QGIS Application - Bug report #10808
regression with CRS matching

2014-07-04 07:45 AM - Gavin Fleming

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Projection Support			
Affected QGIS version:	2.4.0		**Regression?:**	No
Operating System:			**Easy fix?:**	No
Pull Request or Patch supplied:			**Resolution:**	up/downstream
Crashes QGIS or corrupts data:	No		**Copied to github as #:**	19187

Description

Open the attached shapefile, which was generated by QGIS and hence has valid prj and qpj files that QGIS should recognise. Recent versions (2.0) did do this correctly. However now the CRS is now recognised and appears blank. It should be finding a match with

South African CRS : HBK_NO_19

History

#1 - 2014-07-04 04:02 PM - Jürgen Fischer

- Category set to Projection Support

#2 - 2014-07-07 09:02 AM - Giovanni Manghi

- Status changed from Open to Feedback

When you add that shapefile to QGIS the programs will add a new custom CRS, it says it clearly in the log

Saved user CRS [+proj=tmerc +lat_0=0 +lon_0=19 +k=1 +x_0=0 +y_0=0 +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs]

This means that QGIS is not matching this CRS to anyone in its CRS database, in fact if you look for the HBK_NO_19 definition you will see that the definition it is slightly different.

+proj=tmerc +lat_0=0 +lon_0=19 +k=1 +x_0=0 +y_0=0 +axis=enu +ellps=WGS84 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs

If you give manually your layer the HBK_NO_19 CRS and re-save it again with the HBK_NO_19 CRS you will see that the result (as you say) has a "different" CRS because the "+axis=enu" part is missing.

But if you do the same operation with gdal/ogr (ogr2ogr) you will see that the same will happen, so if it is a bug it doesn't seems a qgis one.

#3 - 2014-10-11 04:15 AM - Giovanni Manghi

- Resolution set to up/downstream
- Status changed from Feedback to Closed

closing for lack of feedback, please reopen if necessary.

Files

qgis_issue_crs_not_matching.zip	28.2 KB	2014-07-04	Gavin Fleming