

QGIS Application - Bug report #7368

QGIS writing out incorrect .prj file

2013-03-16 06:42 AM - Gavin Fleming

Status: Closed	
Priority: Normal	
Assignee:	
Category: Projection Support	
Affected QGIS version: master	Regression?: No
Operating System: ubuntu	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: end of life
Crashes QGIS or corrupts data: No	Copied to github as #: 16341

Description

QGIS 1.9 nightly build

Save a layer as a shapefile in EPSG 3857 and different prj and qpj files are written out. The prj file is inadequate. I picked this up when using the output shapefile as a gdalwarp cutline and the output raster cut was shifted by several kilometres. gdalwarp reads the prj file, not the qpj file. I renamed the qpj file to .prj and this solved the problem.

.prj:

```
PROJCS["WGS_84_Pseudo_Mercator",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137,298.257223563]],PRIMEM["Greenwich",0],UNIT["Degree",0.017453292519943295]],PROJECTION["Mercator"],PARAMETER["central_meridian",0],PARAMETER["false_easting",0],PARAMETER["false_northing",0],UNIT["Meter",1],PARAMETER["standard_parallel_1",0.0]]
```

.qpj:

```
PROJCS["WGS 84 / Pseudo-Mercator",GEOGCS["WGS 84",DATUM["WGS_1984",SPHEROID["WGS 84",6378137,298.257223563,AUTHORITY["EPSG","7030"]],AUTHORITY["EPSG","6326"]],PRIMEM["Greenwich",0,AUTHORITY["EPSG","8901"]],UNIT["degree",0.0174532925199433,AUTHORITY["EPSG","9122"]],AUTHORITY["EPSG","4326"]],PROJECTION["Mercator_1SP"],PARAMETER["central_meridian",0],PARAMETER["scale_factor",1],PARAMETER["false_easting",0],PARAMETER["false_northing",0],UNIT["metre",1,AUTHORITY["EPSG","9001"]],AXIS["X",EAST],AXIS["Y",NORTH],EXTENSION["PROJ4","+proj=merc +a=6378137 +b=6378137 +lat_ts=0.0 +lon_0=0.0 +x_0=0.0 +y_0=0 +k=1.0 +units=m +nadgrids=@null +wktext +no_defs"],AUTHORITY["EPSG","3857"]]
```

History

#1 - 2014-01-19 12:46 AM - dr -

Confirm such behavior on latest master.

#2 - 2014-02-21 08:54 AM - Chris Matthews

I am also having trouble with the .prj file QGIS is creating when working with 3857. I'm using QGIS 2.0.1

#3 - 2014-02-21 09:32 AM - Etienne Tourigny

confirmed. look like the ogr provider needs updating... probably too late to include this in 2.2 though! At least there is a workaround.

#4 - 2014-02-21 10:40 AM - Etienne Tourigny

Fixing this would require fixing QgsVectorFileWriter() and copying the .qpj file to .prj file.

#5 - 2014-02-21 11:23 AM - Jürgen Fischer

Etienne Tourigny wrote:

| *Fixing this would require fixing QgsVectorFileWriter() and copying the .qpj file to .prj file.*

Producing the .qpj is a workaround because OGR converts the SRS to ESRI WKT for the .prj (ie. [OSRMorphToESRI\(\)](#)) and that's not lossless. QGIS prefers the .qpj with the original information over the .prj. Keeping the original information is the whole point of the .qpj.

#6 - 2017-05-01 01:09 AM - Giovanni Manghi

- *Regression? set to No*

- *Easy fix? set to No*

#7 - 2019-03-09 04:04 PM - Giovanni Manghi

- *Resolution set to end of life*

- *Status changed from Open to Closed*

End of life notice: QGIS 2.18 LTR

Source:

<http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/>