

## QGIS Application - Bug report #21122

### QGIS is not recognizing the AUTHORITY["Esri", part of the .qpj file

2019-01-29 07:43 PM - Gabriel De Luca

<b>Status:</b>	Open	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Projection Support	
<b>Affected QGIS version:</b>	3.4.4	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 28940
<b>Description</b>		
<p>Starting from a vector layer with only one point in EPSG:4326, when exporting it to a shapefile or geopackage in EPSG:102003, the saved file contains an invalid projection for QGIS.</p> <p>The same behavior is observed with any projection other than an AUTHORITY["EPSG", code.</p> <p>This is the content of the .qpj file:</p> <pre>PROJCS["USA_Contiguous_Albers_Equal_Area_Conic",   GEOGCS["GCS_North_American_1983",     DATUM["North_American_Datum_1983",       SPHEROID["GRS_1980",6378137.0,298.257222101]],     PRIMEM["Greenwich",0.0],     UNIT["Degree",0.0174532925199433]],   PROJECTION["Albers_Conic_Equal_Area"],   PARAMETER["False_Easting",0.0],   PARAMETER["False_Northing",0.0],   PARAMETER["Longitude_of_center",-96.0],   PARAMETER["Standard_Parallel_1",29.5],   PARAMETER["Standard_Parallel_2",45.5],   PARAMETER["Latitude_of_center",37.5],   UNIT["Meter",1.0],   AUTHORITY["Esri","102003"]]</pre> <p>I'm not sure if the mistake is made by writing it or reading it. It may be well written and QGIS should read it like that.</p> <p>But if it is changed by AUTHORITY["EPSG", QGIS reads it and assigns the corresponding CRS (EPSG:102003) to that layer.</p> <p>Consequently, the projection is considered invalid (it would act in the same way if the .qpj file did not exist).</p> <p>Tested in OSGeo4W installations of qgis-3.4.4-2 and qgis-dev-3.5.0-76 packages.</p>		

#### History

#1 - 2019-02-07 06:30 AM - Gabriel De Luca

Also tested in linux install from qgis.org/ubuntu bionic repositories.

The .qpf file is different in some lines (i.e., PROJCS["unnamed", and no AUTHORITY line) and when exported to EPSG:102003 the console returns:

ERROR 6: EPSG PCS/GCS code 102003 not found in EPSG support files. Is this a valid EPSG coordinate system?

#2 - 2019-02-07 11:51 AM - Giovanni Manghi  
- Operating System deleted (Windows 10, 64 bit.)

Files			
CRS.zip	11.4 KB	2019-01-29	Gabriel De Luca