

QGIS Application - Bug report #4731

Layer Properties dialog, General tab reports incorrect CRS

2012-01-01 10:49 AM - Bob English

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Projection Support	
Affected QGIS version:	master	Regression?: No
Operating System:	Windows 7	Easy fix?: No
Pull Request or Patch supplied:		Resolution: worksforme
Crashes QGIS or corrupts data:		Copied to github as #: 14603
Description		
First:		
From http://www.mass.gov/mgis/dd-over.htm		
The EPSG (European Petroleum Survey Group) code for this coordinate system is 26986.		
The Massachusetts State Plane Coordinate System, Mainland Zone meters is defined as follows:		
Projection: Lambert Conformal Conic		
Spheroid: GRS 80		
Central Meridian: -71.5		
Reference Latitude: 41		
Standard Parallel 1: 41.716666666667		
Standard Parallel 2: 42.683333333333		
False Easting: 200000		
False Northing: 750000		
From TOWNS_POLY.prj downloaded from MassGIS		
PROJCS["NAD_1983_StatePlane_Massachusetts_Mainland_FIPS_2001",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",200000.0],PARAMETER["False_Northing",750000.0],PARAMETER["Central_Meridian",-71.5],PARAMETER["Standard_Parallel_1",41.7166666666667],PARAMETER["Standard_Parallel_2",42.6833333333333],PARAMETER["Latitude_Of_Origin",41.0],UNIT["Meter",1.0]]		
From QGIS Reference System Selector EPSG:26986		
+proj=lcc +lat_1=42.68333333333333 +lat_2=41.71666666666667 +lat_0=41 +lon_0=-71.5 +x_0=200000 +y_0=750000		
+ellps=GRS80 +towgs84=0,0,0,0,0,0,0 +units=m +no_defs		
- Note that lat_1 and lat_2 are reversed in QGIS		
SECOND:		
1) load a vector layer in MA State Plane coordinates into QGIS v1.71 (please check v1.73 for the same error) (EPSG:26986) see attached file		
2) change the projection for the layer to EPSG: 26986		
3) save the layer (possibly with a new name)		
4) open the saved layer in QGIS		
5) the EPSG for the saved layer is reported by QGIS as EPSG:2805		

History

#1 - 2012-01-02 05:41 AM - Giovanni Manghi

- Status changed from Open to Feedback
- File teste1_shp.zip added

Not confirmed, I'm using qgis-master and I tried the following:

- added the attached vector
- changed its CRS to EPSG 26986
- saved a copy of the vector with EPSG 26986

after adding the result in QGIS it shows coorectly as EPSG 26986.

I attach the vector. Please test qgis-master (with the osgeo4w installer) and leave feedback.

#2 - 2012-01-19 11:08 AM - Bob English

Thanks for looking at this issue. I didn't have my email notifications set properly in my tracker account, so I didn't get notified of your comment. I will try to download and install the master from OSGeo when I have time and see if I can repeat the error.

#3 - 2012-01-28 04:09 PM - Giovanni Manghi

- Resolution set to worksforme
- Status changed from Feedback to Closed

Closing for lack of feedback. Reopen if necessary.

Files			
towns.7z	421 KB	2012-01-01	Bob English
teste1_shp.zip	661 KB	2012-01-02	Giovanni Manghi