QGIS Application - Bug report #10245 Defining custom CRS in QGIS 2.2

2014-05-12 03:37 PM - Jorge Rocha

Status:ClosedPriority:NormalAssignee:Jorge RochaCategory:Projection Support

Affected QGIS version: 2.2.0Regression?:NoOperating System:UbuntuEasy fix?:No

Pull Request or Patch shapplied: Resolution:

Crashes QGIS or corrupts data: Copied to github as #: 18682

Description

For some reason, defining a new CRS is not working. The following error is reported: The proj4 definition of 'name' is not valid.

I'm defining a new CRS, from Settings -> Custom CRS... with:

Name: China Geodetic Coordinate System 2000

Parameters: +proj=geocent +ellps=GRS80 +units=m +no_defs

These parameters were pasted from EPSG:4479 definition.

!Screenshot - 05122014 - 02:10:07 PM.png!

I can use the calculator at the bottom to test the coordinate transformation, and it seems to works.

But it does not save the new CRS. It reports the following error: The proj4 definition of 'China Geodetic Coordinate System 2000' is not valid.

!Screenshot - 05122014 - 02:10:39 PM.png!

I've tried to add this projection to PostGIS and it works.

INSERT into spatial_ref_sys (srid, auth_name, auth_srid, proj4text, srtext) values (4479, 'EPSG', 4479, '+proj=geocent +ellps=GRS80 +units=m +no_defs ', 'GEOCCS["China Geodetic Coordinate System

2000",DATUM["China_2000",SPHEROID["CGCS2000",6378137,298.257222101,AUTHORITY["EPSG","1024"]],AUTHORITY["EPSG","1048"]],PRIMEM["Greenwich",0,AUTHORITY["EPSG","8901"]],UNIT["metre",1,AUTHORITY["EPSG","9001"]],AXIS["Geocentric X",O'entric X",OTHER],AXIS["Geocentric Z",NORTH],AUTHORITY["EPSG","4479"]]');

select ST_AsText(ST_Transform(ST_SetSRID(ST_Makepoint(114,30), 4326), 4479));

"POINT(-2248544.5475367 5050313.74152924)"

History

#1 - 2014-05-13 02:31 AM - Jorge Rocha

- % Done changed from 0 to 100
- Assignee set to Jorge Rocha
- Status changed from Open to Closed

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With the precious feedback from Andre Joost, proj4 does not support the *geocent* projection.

proj -lp | grep geocent

Does not return any projection matching *geocent*.

Files

07_PM.png	97.2 KB	2014-05-12	Jorge Rocha
39_PM.png	16.8 KB	2014-05-12	Jorge Rocha

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