

## QGIS Application - Bug report #247

### custom projection definition

2006-08-23 12:41 PM - jachym-cepicky-centrum-cz -

<b>Status:</b>	Closed	
<b>Priority:</b>	Low	
<b>Assignee:</b>	Tim Sutton	
<b>Category:</b>	Build/Install	
<b>Affected QGIS version:</b>		<b>Regression?:</b> No
<b>Operating System:</b>	Debian	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 10306
<b>Description</b>		
<p>Hallo,</p> <p>maybe i do something wrong, but:</p> <p>I would like to define my custom projection "Krovak S-JTSK" with following parameters:</p> <p>Name: sjtsk Parameters: +proj=krovak +ellps=bessel +no_defs +towgs84=570.8,85.7,462.8,4.998,1.587,5.261,3.56</p> <p>It is not possible to add custom projection to QGIS. When I click on the "Save" button, nothing is saved.</p> <p>when I try to add just something common: Name: myproj Parameters: +proj=latlong +ellps=WGS84</p> <p>It can not be saved either.</p> <p>In sqlite: sqlite&gt; select * from vw_srs; sqlite&gt;</p> <p>In the command line, only two lines appear:</p> <pre>[[QgsCustomProjectionDialog]]::getProjFromParameters() [[QgsCustomProjectionDialog]]::getEllipseFromParameters()</pre> <p>And, I would say, the test does also not work, how expected:</p> <p>I would say, that North and East are changed and when I try</p> <p>Parameters: +proj=latlong +ellps=WGS84 North: 12 East: 24 the result is 0.2084</p>		

0.4189

is it wrong, that I'm expecting "12 14" ?

```
echo "12 24" |cs2cs +proj=latlong +to +proj=latlong +ellps=WGS84  
12dE 24dN 0.000
```

??

short summary:

- 1) It is not possible to save custom projection
- 2) the "test" of custom projection does not work properly

qgis\_unstable 0.8 fresh svn, build with dpkg-buildpackage on ubuntu 6.06

Thanks

Jachym

P.S. Problem confirmed on debian testing

## History

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### #1 - 2006-09-07 03:38 AM - Gavin Macaulay -

To make a new custom projection you first need to click on the 'new' button in the dialog box, then enter your projection parameters and name, then click on 'save'.

However, this is a bit counter-intuitive, especially when doing the first custom projection, so I've made a change so that if there are no custom projections the dialog automatically does a 'new' button click for you. This is available in SVN commit:7343b610 (SVN r5779).

### #2 - 2006-09-24 07:33 AM - vslavik-fastmail-fm -

I'm able to add the krovak projection as above now that I know how the 'new' button behaves, but the projection still does *not* show up in Settings -> Project Properties -> Projection -> User Defined Coordinate Systems. Other projections, e.g. the latlong one from above, do show up correctly.

I finally tracked this down to missing dvorak entry in the tbl\_projection table. Adding the entry to ~/.qgis/qgis.db like this:

```
INSERT INTO "tbl_projection" VALUES('krovak', 'S-JTSK / Krovak', __, __);
```

fixed the problem, but I have no idea whether the line is correct or not (I'm new to GIS and hit the problem when following instructions on setting QGIS up for Czech users).

### #3 - 2006-10-11 01:38 AM - Gavin Macaulay -

The reversed north/east problem appears to be fixed in svn commit:c9b3a3a6 (SVN r5936). That just leaves the missing entry in the tbl\_projection table mentioned above.

### #4 - 2006-10-13 02:51 AM - Gavin Macaulay -

- *Resolution set to fixed*
- *Status changed from Open to Closed*

Fixed in SVN commit:333f9793 (SVN r5944) - the krovak projection was missing from the qgis.db database (but was in the srs.db database)

#### **#5 - 2009-08-22 12:46 AM - Anonymous**

Milestone Version 0.8 deleted