

## QGIS Application - Bug report #280

### QGIS crashes when measuring distances with another ellipsoid than the default one

2006-09-21 07:38 AM - wolfgang-qual-gmx-net -

<b>Status:</b> Closed	
<b>Priority:</b> Low	
<b>Assignee:</b> Martin Dobias	
<b>Category:</b> Map Canvas	
<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> 10339
<b>Description</b>	
<p>When changing the default ellipsoid for the measuring-tool (with the default one, the results of the measurement are wrong) to another one (e.g. bessel), QGIS crashes with the first click of the measurement.</p> <p>I am using 0.8.0 prev. 2, on Debian sarge.</p>	

#### History

##### #1 - 2006-09-22 03:43 AM - Martin Dobias

I can't reproduce it. Someone else can?

Also please could you add some more information:

- any selected ellipsoid will fail except WGS84?
- what tool fails - measuring of distances or areas or both?
- what's the spatial reference system of the project?

##### #2 - 2006-10-03 02:29 AM - anonymous -

Can not reproduce on Ubuntu Edgy (QGIS from SVN).

Reporter: could You, please, fetch fresh version from SVN and then test with it?

##### #3 - 2006-11-11 05:41 PM - Gavin Macaulay -

I can reproduce it. The crash is caused by a throw in qgscoordinatetransform.cpp

<https://svn.qgis.org/trac/browser/trunk/qgis/src/gui/qgscoordinatetransform.cpp#L479>), which isn't caught. Using the latest version from svn.

This is from loading a shapefile with an srs of +proj=longlat +ellps=WGS84 +datum=WGS84 +no\_defs from postgres, choosing the measure line tool, and qgis exits with the first click of the mouse on the canvas. The ellipsoid for the length calculation is walbeck. Output on the console is:

```
Warning: [[QgsSpatialRefSys]]::getRecord failed : select * from tbl_srs where parameters='+proj=longlat +ellps=walbeck +no_defs'
Warning: [[QgsSpatialRefSys]]::findMatchingProj -----> no match found in user db
Warning: [[QgsSpatialRefSys]]::getRecord failed : select * from tbl_srs where parameters='+proj=longlat +ellps=walbeck +no_defs'
Warning: [[QgsSpatialRefSys]]::findMatchingProj -----> no match found in user db
Warning: QPainter::begin: Painter already active
Warning: [[QgsSpatialRefSys]]::getRecord failed : select * from tbl_srs where parameters='+proj=longlat +ellps=walbeck +no_defs'
Warning: [[QgsSpatialRefSys]]::findMatchingProj -----> no match found in user db
Warning: Throwing exception qgscoordinatetransform.cpp
```

Warning: Throwing exception qgscoordinatetransform.cpp  
terminate called after throwing an instance of 'QgsCsException'  
what(): Failed forward transform of  
(47310.6, 104558)  
with error: geocentric transformation missing z or ellps

Abort

relevant bit from the stacktrace is:

```
#3913 0xb6423ab2 in +cxa_throw () from /usr/lib/libstdc++.so.6  
#10 0xb7daefa0 in [[QgsCoordinateTransform]]::transform (this=0x8174330, thePoint=  
    {m_x = 2716238.255536627, m_y = 6044930.7005962525},  
    direction=QgsCoordinateTransform::FORWARD)  
    at qgscoordinatetransform.cpp:205  
#3914 0xb7ca6ec3 in [[QgsDistanceArea]]::measureLine (this=0x820f810,  
    p1=@0xbfffe430, p2=@0xbfffe420) at qgsdistancearea.cpp:297  
#3915 0xb7e0e89a in [[QgsMeasure]]::mouseMove (this=0x81b0390, point=@0xbfffe4d0)  
    at qgsmeasure.cpp:184
```

#### #4 - 2006-11-12 12:49 AM - Gavin Macaulay -

Fixed in svn commit:8bbd8062 (SVN r6084). But the lengths and areas given look wrong :(

#### #5 - 2006-11-12 01:11 AM - Gavin Macaulay -

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

My fault - the base srs was wrong for the data.

#### #6 - 2009-08-22 12:46 AM - Anonymous

Milestone Version 0.8 deleted