

QGIS Application - Bug report #11713

Measure tool ellipsoid defaults to 'None/Planametric' regardless of previous ellipsoid selection

2014-11-21 03:03 PM - Darren Wiens

Status:	Closed	
Priority:	Severe/Regression	
Assignee:		
Category:	Projection Support	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: duplicate
Crashes QGIS or corrupts data:		Copied to github as #: 19951
Description		
<p>Using QGIS 2.6.0 Brighton, I want to overlay a shapefile (EPSG: 26910, Nad83 UTM10) over OpenLayers Google Satellite (EPSG: 3857, Pseudo Mercator), and reliably measure distances.</p> <p>The process is to add the shapefile, then add Google Satellite. The project CRS switches to EPSG:3857, and the shapefile is correctly overlaid. The measure tool does not report correct distance - not surprising, since the CRS is 3857. I do not want to change the CRS because then imagery shifts unexpectedly. So, I change the measure tool ellipsoid in Project Properties to 'GRS 1980'. Hit 'OK' to return to map. The measure tool reports correct distance.</p> <p>However, if I ever open Project Properties again, the measure tool ellipsoid has defaulted back to 'None/Planametric'. If I hit 'OK' to return to map, the measure tool now reports incorrect distance, presumably because the map plane is unprojected.</p>		
Related issues:		
Related to QGIS Application - Bug report # 19902: Advanced Digitizing tool NO...		Closed 2018-09-20

Associated revisions

Revision c5b5eee1 - 2015-01-01 04:56 AM - Nathan Woodrow

Fix #10392 Fix #11713 - Fix selection of ellipsoide when opening project properties

History

#1 - 2014-12-21 11:24 PM - Lene Fischer

I have just found the same error.

Starting to show my students the difference between calculating an area with planimetric /ellipsoide difference.

We use EPSG 25832 (UTM32 N EUREF 89)

In the Project properties the Measure tool are set to CRS ON and Ellipsoide None /Planimetric ??? Strange when I have choosen a CRS with an Ellipsoide

Then I change the Ellipsoide to WGS84 – Click on CRS – and sometimes it is set back to None or Clark 1866.

When I try to calculate an area – without any changes in the None /Planimetric – and secondly change the ellipsoide to WGS84 and recalculate – the area gets smaller!!!!!!

This must be a blocker!!!

#2 - 2014-12-22 06:55 AM - Giovanni Manghi

- Affected QGIS version changed from 2.6.0 to master

- Target version set to Version 2.8

- Priority changed from Normal to Severe/Regression
- Status changed from Open to Feedback
- Category set to Projection Support

this ticket should be duplicate of #10392 that is already a blocker. Please leave feedback.

#3 - 2014-12-29 06:31 PM - Lene Fischer

- Assignee set to Giovanni Manghi

Hi Giovanni,

I don't understand the other ticket you refer to.

The problem is that all area calculation is incorrect. And that is a MAJOR issue. If we can't trust calculated area values...

In my humble opinion, I feel this issue is so important that a bugfix and a version 2.6.2 is needed ASAP.

Regards

Lene Fischer

#4 - 2014-12-30 12:06 AM - Giovanni Manghi

- Assignee deleted (Giovanni Manghi)

Hi Leme

Lene Fischer wrote:

Hi Giovanni,

I don't understand the other ticket you refer to.

The problem is that all area calculation is incorrect. And that is a MAJOR issue. If we can't trust calculated area values...

In my humble opinion, I feel this issue is so important that a bugfix and a version 2.6.2 is needed ASAP.

it means that this ticket is, in my opinion, a duplicate of the issue described in #10392 and so it should be closed. #10392 is already a blocker, that means that it must be fixed in time for qgis 2.8 (I am not sure there is any plan for 2.6.2). Cheers!

#5 - 2014-12-31 07:32 PM - Nathan Woodrow

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

This is a duplicate of #10392 so let's just keep that one open for now.

#6 - 2014-12-31 07:43 PM - Nathan Woodrow

As a side note: Does the ellipsoide picker even belong there. I would say something like that should be in the measure dialogs so you can change it on the fly while using it. Or is it normally a set once and leave it kind of thing?

#7 - 2018-09-21 12:17 PM - Jürgen Fischer

- Related to Bug report #19902: Advanced Digitizing tool NOT aligned with measurement tool added