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: | Projection Support |  |  |
| Category: |  | Regression?: | No |
| Affected QGIS version:master | Easy fix?: | No |  |
| Operating System:  <br> Rull Request or Patch supplied: Copied to github as \#: <br> Crashes QGIS or corrupls data:  |  |  |  |

## Description

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.

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.

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.

## 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!!!

[^0]- 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 alreasy 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 lets 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?


[^0]:    \#2-2014-12-22 06:55 AM - Giovanni Manghi

    - Affected QGIS version changed from 2.6.0 to master

