

QGIS Application - Bug report #3866

Measure tool is windows is unusable

2011-06-02 07:16 PM - Nathan Woodrow

Status: Closed	
Priority: Low	
Assignee:	
Category: Map Canvas	
Affected QGIS version:	Regression?: No
Operating System: Windows	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed
Crashes QGIS or corrupts data:	Copied to github as #: 13924

Description

In windows the measure tool is pretty much unusable, it's very slow and glitches a lot.

Looking at the debug log a lot of calls are made to setEllipsoid(). Each time the mouse moves this is printed.

```
r45184 d:\\src\\qgis\\src\\core\\qgsdistancearea.cpp(161) : (QgsDistanceArea::setEllipsoid) setEllipsoid: a=6.37814e+06,
b=6.37814e+06, 1/f=298.257
r45184 d:\\src\\qgis\\src\\core\\qgscoordinatereferencesystem.cpp(349) : (QgsCoordinateReferenceSystem::createFromProj4)
proj4: +proj=longlat +ellps=WGS84 +no_defs
r45184 d:\\src\\qgis\\src\\core\\qgscoordinatereferencesystem.cpp(378) : (QgsCoordinateReferenceSystem::createFromProj4)
proj string supplied has no +a argument
r45184 d:\\src\\qgis\\src\\core\\qgscoordinatereferencesystem.cpp(540) : (QgsCoordinateReferenceSystem::getRecord) running
query: select * from tbl_srs where parameters='+proj=longlat +ellps=WGS84 +no_defs'
r45184 d:\\src\\qgis\\src\\core\\qgscoordinatereferencesystem.cpp(562) : (QgsCoordinateReferenceSystem::getRecord) trying
system srs.db
r45184 d:\\src\\qgis\\src\\core\\qgscoordinatereferencesystem.cpp(617) : (QgsCoordinateReferenceSystem::getRecord)
retrieved: select * from tbl_srs where parameters='+proj=longlat +ellps=WGS84 +no_defs'
r45184 d:\\src\\qgis\\src\\core\\qgscoordinatereferencesystem.cpp(406) : (QgsCoordinateReferenceSystem::createFromProj4)
proj4string match search for srsid returned srsid: 3239
r45184 d:\\src\\qgis\\src\\core\\qgscoordinatereferencesystem.cpp(799) : (QgsCoordinateReferenceSystem::setMapUnits)
Projection has linear units of Meter
r45184 d:\\src\\qgis\\src\\core\\qgscoordinatereferencesystem.cpp(799) : (QgsCoordinateReferenceSystem::setMapUnits)
Projection has linear units of Meter
```

Tracked down to this bit of code:

```
void [[QgsMeasureDialog]]::configureDistanceArea( [[QgsDistanceArea]]& da )
{
    QSettings settings;
    QString ellipsoidId = settings.value( "/qgis/measure/ellipsoid", "WGS84" ).toString();
    da.setSourceCrs( mTool->canvas()->mapRenderer()->destinationCrs().srsid() );
    da.setEllipsoid( ellipsoidId );
    da.setProjectionsEnabled( mcbProjectionEnabled->isChecked() );
}
```

Which is called on every mouse move. Do we really need to call it on every mouse move?

Associated revisions

Revision 50d255f2 - 2011-06-03 04:52 PM - Jürgen Fischer

fix #3866

Revision e22e5d6f - 2011-06-10 08:48 AM - Jürgen Fischer

fix #3866

Revision d750abfa - 2011-06-18 06:36 PM - Sergey Yakushev

Fix #3866 for measure angle tool

Revision fc986f08 - 2011-07-18 10:01 AM - Jürgen Fischer

fix #3866

Revision 1a761e96 - 2011-07-18 10:19 AM - Sergey Yakushev

Fix #3866 for measure angle tool

History

#1 - 2011-06-03 07:42 AM - Jürgen Fischer

Why should it be slower on Windows? I suppose it's just the noisy debugging output that makes it slow.

#2 - 2011-06-03 10:47 AM - Jürgen Fischer

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

fixed in commit:50d255f20fdb362c6b26bf0bec7f60e3f35ea1e2.

#3 - 2011-06-09 11:40 PM - Sergey Yakushev

- File *measure_angle.diff* added

This Bug is partial solved. The fact that a similar problem in the measuring angles tool (corrected only tool of measurement of distances and areas). Look at call `QgsMapToolMeasureAngle::configureDistanceArea()` in `QgsMapToolMeasureAngle::canvasMouseMove()` [1]

1. <https://github.com/qgis/Quantum-GIS/blob/master/src/app/qgsmaptoolmeasureangle.cpp#L58>

#4 - 2011-06-18 09:44 AM - Alexander Bruy

- Assignee deleted (nobody -)

Patch for measure angle tool applied in commit:d750abfa2bfb197cde8e

Files

measure_angle.diff	4.28 KB	2011-06-09	Sergey Yakushev
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