

## QGIS Application - Bug report #21432

branch 3.6 fails to build - src/core/qgsdistancearea.cpp:491:3: error: 'geod\_inverseline' was not declared in this scope

2019-02-28 10:20 PM - vince ice

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> Nyal Dawson	
<b>Category:</b> Build/Install	
<b>Affected QGIS version:</b> 3.6.0	<b>Regression?:</b> No
<b>Operating System:</b> Gentoo with kernel 4.14.65-gentoo	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> invalid
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 29249

### Description

Just tried to build branch 3.6.

This is what I get:

```
[ 16%] Building CXX object src/core/CMakeFiles/qgis_core.dir/qgserror.cpp.o
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp: In member function 'double
QgsDistanceArea::latitudeGeodesicCrossesAntimeridian(const QgsPointXY&, const QgsPointXY&, double&) const':
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp:491:3: error: 'geod_inverseline' was not declared in this scope
geod_inverseline( &line, &geod, p1y, p1x, p2y, p2x, GEOD_ALL );
^~~~~~
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp:491:3: note: suggested alternative: 'geod_inverse'
geod_inverseline( &line, &geod, p1y, p1x, p2y, p2x, GEOD_ALL );
^~~~~~
geod_inverse
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp:493:33: error: 'struct geod_geodesicline' has no member named 's13'
const double totalDist = line.s13;
^~~
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp:494:34: error: 'struct geod_geodesicline' has no member named 's13'
double intersectionDist = line.s13;
^~~
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp:517:31: error: 'struct geod_geodesicline' has no member named 's13'
intersectionDist = line.s13 * 0.5;
^~~
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp: In member function 'QVector<QVector<QgsPointXY> >
QgsDistanceArea::geodesicLine(const QgsPointXY&, const QgsPointXY&, double, bool) const':
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp:696:3: error: 'geod_inverseline' was not declared in this scope
geod_inverseline( &line, &geod, pp1.y(), pp1.x(), pp2.y(), pp2.x(), GEOD_ALL );
^~~~~~
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp:696:3: note: suggested alternative: 'geod_inverse'
geod_inverseline( &line, &geod, pp1.y(), pp1.x(), pp2.y(), pp2.x(), GEOD_ALL );
^~~~~~
geod_inverse
/tmp/QGIS/QGIS/src/core/qgsdistancearea.cpp:697:33: error: 'struct geod_geodesicline' has no member named 's13'
const double totalDist = line.s13;
^~~
make[2]: *** [src/core/CMakeFiles/qgis_core.dir/build.make:5066: src/core/CMakeFiles/qgis_core.dir/qgsdistancearea.cpp.o] Error
1
make[2]: *** Attesa per i processi non terminati....
make[1]: *** [CMakeFiles/Makefile2:316: src/core/CMakeFiles/qgis_core.dir/all] Error 2
```

make: \*\*\* [Makefile:152: all] Error 2

## History

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### #1 - 2019-02-28 11:20 PM - Nyall Dawson

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

This indicates that your proj version is too old -- you'll need to upgrade.

### #2 - 2019-03-01 04:07 PM - vince ice

- Assignee set to Nyall Dawson

Nyall Dawson wrote:

*This indicates that your proj version is too old -- you'll need to upgrade.*

I'm sorry Nyall, I don't understand what you mean by too old. That's the code from git. Build fails with master as well. I couldn't find anything in the issues that points to this problem.

V

### #3 - 2019-03-01 04:10 PM - Giovanni Manghi

vince ice wrote:

*Nyall Dawson wrote:*

*This indicates that your proj version is too old -- you'll need to upgrade.*

*I'm sorry Nyall, I don't understand what you mean by too old. That's the code from git. Build fails with master as well. I couldn't find anything in the issues that points to this problem.*

V

the proj library is a qgis dependency, is not part of qgis code.

### #4 - 2019-03-01 05:53 PM - vince ice

Giovanni Manghi wrote:

*vince ice wrote:*

*Nyall Dawson wrote:*

*This indicates that your proj version is too old -- you'll need to upgrade.*

*I'm sorry Nyall, I don't understand what you mean by too old. That's the code from git. Build fails with master as well. I couldn't find anything in the issues that points to this problem.*

*v*

*the proj library is a qgis dependency, is not part of qgis code.*

Right! Sorry I wasted your time. It works now...

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