

# QGIS Application - Bug report #12145

## Master does not compile with Qt5 libraries

2015-02-06 11:04 AM - Bogdan Hlevca

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Build/Install	
<b>Affected QGIS version:</b> master	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 20339

### Description

Building CXX object src/core/CMakeFiles/qgis\_core.dir/symbology-ng/qgssymbollayerv2registry.cpp.o  
[ 13%] Building CXX object src/core/CMakeFiles/qgis\_core.dir/symbology-ng/qgssymbollayerv2utils.cpp.o  
In file included from /software/software/Graphics/Maps/QGIS-QT5/src/core/qgsvectorlayer.h:27:0,  
    from /software/software/Graphics/Maps/QGIS-QT5/src/core/symbology-ng/qgsmarkersymbollayerv2.h:20,  
    from /software/software/Graphics/Maps/QGIS-QT5/src/core/symbology-ng/qgssymbolv2.cpp:20:  
/software/software/Graphics/Maps/QGIS-QT5/src/core/qgsmaplayer.h:558:10: error: 'void QgsMapLayer::connectNotify(const char\*)'  
marked override, but does not override  
    void connectNotify( const char \* signal ) override;  
        ^

In file included from /software/software/Graphics/Maps/QGIS-QT5/src/core/qgsvectorlayer.h:27:0,  
    from /software/software/Graphics/Maps/QGIS-QT5/src/core/symbology-ng/qgsmarkersymbollayerv2.h:20,  
    from /software/software/Graphics/Maps/QGIS-QT5/src/core/symbology-ng/qgsellipsesymbollayerv2.h:18,  
    from /software/software/Graphics/Maps/QGIS-QT5/src/core/symbology-ng/qgssymbollayerv2registry.cpp:18:  
/software/software/Graphics/Maps/QGIS-QT5/src/core/qgsmaplayer.h:558:10: error: 'void QgsMapLayer::connectNotify(const char\*)'  
marked override, but does not override  
    void connectNotify( const char \* signal ) override;  
        ^

In file included from /software/software/Graphics/Maps/QGIS-QT5/src/core/qgsvectorlayer.h:27:0,  
    from /software/software/Graphics/Maps/QGIS-QT5/src/core/symbology-ng/qgssymbollayerv2.cpp:20:  
/software/software/Graphics/Maps/QGIS-QT5/src/core/qgsmaplayer.h:558:10: error: 'void QgsMapLayer::connectNotify(const char\*)'  
marked override, but does not override  
    void connectNotify( const char \* signal ) override;  
        ^

src/core/CMakeFiles/qgis\_core.dir/build.make:755: recipe for target  
'src/core/CMakeFiles/qgis\_core.dir/symbology-ng/qgssymbolv2.cpp.o' failed  
make<sup>2</sup>: \* [src/core/CMakeFiles/qgis\_core.dir/symbology-ng/qgssymbolv2.cpp.o] Error 1  
**make<sup>2</sup>:** Waiting for unfinished jobs....  
src/core/CMakeFiles/qgis\_core.dir/build.make:801: recipe for target  
'src/core/CMakeFiles/qgis\_core.dir/symbology-ng/qgssymbollayerv2registry.cpp.o' failed  
make<sup>2</sup>: [src/core/CMakeFiles/qgis\_core.dir/symbology-ng/qgssymbollayerv2registry.cpp.o] Error 1  
src/core/CMakeFiles/qgis\_core.dir/build.make:778: recipe for target  
'src/core/CMakeFiles/qgis\_core.dir/symbology-ng/qgssymbollayerv2.cpp.o' failed  
make<sup>2</sup>: \* [src/core/CMakeFiles/qgis\_core.dir/symbology-ng/qgssymbollayerv2.cpp.o] Error 1  
In file included from /software/software/Graphics/Maps/QGIS-QT5/src/core/qgstolerance.h:20:0,  
    from /software/software/Graphics/Maps/QGIS-QT5/src/core/qgssnapper.h:22,  
    from /software/software/Graphics/Maps/QGIS-QT5/src/core/qgsproject.h:32,  
    from /software/software/Graphics/Maps/QGIS-QT5/src/core/symbology-ng/qgssymbollayerv2utils.cpp:24:  
With ENABLE\_QT5 ON the error is (compiles find with Qt4:

```
/software/software/Graphics/Maps/QGIS-QT5/src/core/qgsmaplayer.h:558:10: error: 'void QgsMapLayer::connectNotify(const char*)'
marked override, but does not override
    void connectNotify( const char * signal ) override;
        ^
src/core/CMakeFiles/qgis_core.dir/build.make:824: recipe for target
'src/core/CMakeFiles/qgis_core.dir/symbology-ng/qgssymbollayerv2utils.cpp.o' failed
make2: * [src/core/CMakeFiles/qgis_core.dir/symbology-ng/qgssymbollayerv2utils.cpp.o] Error 1
CMakeFiles/Makefile2:1116: recipe for target 'src/core/CMakeFiles/qgis_core.dir/all' failed
make1: [src/core/CMakeFiles/qgis_core.dir/all] Error 2
Makefile:147: recipe for target 'all' failed
make: ** [all] Error 2
bogdan@high:/software/software/Graphics/Maps/QGIS-QT5/build>
```

## Associated revisions

### Revision 2e9cc1a4 - 2015-02-08 12:49 PM - Matthias Kuhn

Reduce debug noise and fix Qt5 compatibility

Fix #12145 (Master does not compile with Qt5 libraries)

## History

### #1 - 2015-02-06 12:08 PM - Giovanni Manghi

- Affected QGIS version changed from 2.6.0 to master
- Category set to Build/Install

### #2 - 2015-02-08 04:17 AM - Matthias Kuhn

- Status changed from Open to Closed

Fixed in changeset commit:"2e9cc1a4fff94811d87f7958e3defe64ca0462d5".

### #3 - 2015-02-08 10:57 AM - Bogdan Hlevca

- Status changed from Closed to Reopened

Got master/latest from git. Still not compiling for me. Perhaps I need a QWT library based on QT5? Would QWT6 do better? I think that I tried that one and did not compile

[ 34%] Building CXX object src/providers/ogr/CMakeFiles/ogrprovider.dir/qgsogrdataitems.cpp.o

In file included from /usr/include/qwt5/qwt\_plot.h:18:0,

from /software/software/Graphics/Maps/QGIS-QT5/build/src/gui/./ui/ui\_qgsrasterhistogramwidgetbase.h:29,

from /software/software/Graphics/Maps/QGIS-QT5/src/gui/raster/qgsrasterhistogramwidget.h:20,

from /software/software/Graphics/Maps/QGIS-QT5/src/gui/raster/qgsrasterhistogramwidget.cpp:22:

/usr/include/qwt5/qwt\_scale\_map.h:92:5: error: 'QT\_STATIC\_CONST' does not name a type

```
    QT_STATIC_CONST double LogMin;
```

^

/usr/include/qwt5/qwt\_scale\_map.h:93:5: error: 'QT\_STATIC\_CONST' does not name a type

```
    QT_STATIC_CONST double LogMax;
```

^

src/gui/CMakeFiles/qgis\_gui.dir/build.make:1092: recipe for target 'src/gui/CMakeFiles/qgis\_gui.dir/raster/qgsrasterhistogramwidget.cpp.o' failed

```
make2: * [src/gui/CMakeFiles/qgis_gui.dir/raster/qgsrasterhistogramwidget.cpp.o] Error 1
CMakeFiles/Makefile2:1319: recipe for target 'src/gui/CMakeFiles/qgis_gui.dir/all' failed
make1: [src/gui/CMakeFiles/qgis_gui.dir/all] Error 2
make1: ** Waiting for unfinished jobs...
```

**#4 - 2015-02-15 09:41 AM - Matthias Kuhn**

- *Status changed from Reopened to Closed*

Yes, you will need to build against a QWT library compiled and linked against Qt5.

I think QWT 5 does not build against Qt5.

QWT 6 does build against Qt5. But be aware that the one provided by your distro may be linked against Qt4.