

# QGIS Application - Bug report #1002

## SIP-related Compile errors

2008-03-19 09:28 AM - John Tull

<b>Status:</b> Closed	
<b>Priority:</b> Low	
<b>Assignee:</b> nobody -	
<b>Category:</b> Build/Install	
<b>Affected QGIS version:</b>	<b>Regression?:</b> No
<b>Operating System:</b> All	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 11062

### Description

In building qgis, I am hitting a series of sip-related issues that seem to reduce some of the functionality in the python bindings. For example, the recent geoprocessing plugin will not load layers into the menus when trying to perform geoprocessing operations. I am thinking this is due to the compile errors listed below.

I tried many variations on installing Qt, sip, and [[PyQt]], none of which have altered the result. I am not clear if this is a qgis issue or not.

I attached a rather large debug output from make. Here is the relevant portion of the standard make output:

```
[ 36%] Built target qgis_gui
[ 36%] [ 36%] Generating ui_qgsdelimitedtextplugginguibase.h
[ 36%] Generating ui_plugginguibase.h
[ 36%] Generating moc_qgspythondialog.cxx
Generating core/Makefile, gui/Makefile
[ 36%] [ 36%] Generating moc_plugin.cxx
[ 36%] Generating moc_qgisapp.cxx
Generating moc_qgsdelimitedtextplugin.cxx
[ 36%] Generating moc_qgsdelimitedtextpluggingui.cxx
[ 36%] Generating moc_pluggingui.cxx
Parsing SIP files for 'core' library...
/usr/local/bin/sip -c core -b /Users/jctull/sources/qgis/trunk/build/python/core/core.sbf -I /usr/local/share/sip/PyQt4 -x [[VendorID]] -t
WS_MACX -x [[PyQt]]_NoPrintRangeBug -t Qt_4_3_3 -g /Users/jctull/sources/qgis/trunk/python/core/core.sip
[ 37%] Generating qrc_delimited_text.cxx
[ 37%] [ 37%] Generating qrc_copyright_plugin.cxx
Generating moc_qgisappinterface.cxx
[ 37%] Generating moc_qgsabout.cxx
[ 37%] Generating moc_qgsaddattrdialog.cxx
Scanning dependencies of target delimitedtextplugin
[ 38%] Generating moc_qgsattributeactiondialog.cxx
Scanning dependencies of target copyrightlabelplugin
[ 38%] Generating moc_qgsattributedialog.cxx
[ 38%] Generating moc_qgsattributetabledisplay.cxx
[ 38%] Generating moc_qgsattributetable.cxx
[ 39%] Building CXX object src/plugins/delimited_text/CMakeFiles/delimitedtextplugin.dir/qgsdelimitedtextplugin.o
[ 39%] Building CXX object src/plugins/copyright_label/CMakeFiles/copyrightlabelplugin.dir/plugin.o
[ 39%] Generating moc_qgsbookmarks.cxx
[ 39%] Generating moc_qgscontinuouscolordialog.cxx
[ 40%] Generating moc_qgscustomprojectiondialog.cxx
[ 40%] Generating moc_qgsdelattrdialog.cxx
[ 40%] Generating moc_qgsfillstylewidget.cxx
[ 40%] Generating moc_qgsgeomotypedialog.cxx
```

[ 40%] Generating moc\_qgsgraduatedsymboldialog.cxx  
[ 40%] Generating moc\_qgshelpviewer.cxx  
[ 40%] Generating moc\_qgsidentifyresults.cxx  
[ 41%] Generating moc\_qgslabeldialog.cxx  
[ 41%] [ 41%] Generating moc\_qgslinestyledialog.cxx  
Building CXX object src/plugins/delimited\_text/CMakeFiles/delimitedtextplugin.dir/qgsdelimitedtextpluggingui.o  
[ 41%] Generating moc\_qgslinestylewidget.cxx  
^[A[ 41%] Generating moc\_qgsludialog.cxx  
[ 41%] Generating moc\_qgsmapplayerinterface.cxx  
[ 41%] Generating moc\_qgsmaptoolidentify.cxx  
[ 42%] Generating moc\_qgsmarkerdialog.cxx  
[ 42%] Building CXX object src/plugins/copyright\_label/CMakeFiles/copyrightlabelplugin.dir/pluggingui.o  
[ 42%] Generating moc\_qgsmeasuredialog.cxx  
[ 42%] Generating moc\_qgsnewhttpconnection.cxx  
[ 42%] Generating moc\_qgsoptions.cxx  
[ 42%] Generating moc\_qgspastetransformations.cxx  
[ 42%] Generating moc\_qgspatterndialog.cxx  
[ 43%] Generating moc\_qgspluginmanager.cxx  
[ 43%] Building CXX object src/plugins/delimited\_text/CMakeFiles/delimitedtextplugin.dir/moc\_qgsdelimitedtextplugin.o  
[ 43%] Generating moc\_qgspointstylewidget.cxx  
[ 43%] Generating moc\_qgsprojectproperties.cxx  
[ 43%] [ 43%] Generating moc\_qgsrasterlayerproperties.cxx  
Building CXX object src/plugins/copyright\_label/CMakeFiles/copyrightlabelplugin.dir/moc\_plugin.o  
[ 43%] Generating moc\_qgssearchquerybuilder.cxx  
[ 43%] Generating moc\_qgserversourceselect.cxx  
[ 43%] Building CXX object src/plugins/delimited\_text/CMakeFiles/delimitedtextplugin.dir/moc\_qgsdelimitedtextpluggingui.o  
[ 43%] Generating moc\_qgssinglesymboldialog.cxx  
Parsing SIP files for 'gui' library...  
/usr/local/bin/sip -c gui -b /Users/jctull/sources/qgis/trunk/build/python/gui/gui.sbf -l /Users/jctull/sources/qgis/trunk/python -l  
/usr/local/share/sip/PyQt4 -x [[VendorID]] -t WS\_MACX -x [[PyQt]]\_NoPrintRangeBug -t Qt\_4\_3\_3 -g  
/Users/jctull/sources/qgis/trunk/python/gui/gui.sip  
[ 44%] Building CXX object src/plugins/copyright\_label/CMakeFiles/copyrightlabelplugin.dir/moc\_pluggingui.o  
[ 45%] Generating moc\_qgssnappingdialog.cxx  
[ 45%] Generating moc\_qgsuniquevaluedialog.cxx  
[ 45%] Generating moc\_qgsvectorlayerproperties.cxx  
[ 45%] Generating moc\_qgscomposer.cxx  
[ 45%] Generating moc\_qgscomposerlabel.cxx  
[ 45%] Generating moc\_qgscomposerpicture.cxx  
[ 46%] Generating moc\_qgscomposermap.cxx  
[ 46%] [ 46%] Building CXX object src/plugins/delimited\_text/CMakeFiles/delimitedtextplugin.dir/qrc\_delimited\_text.o  
Generating moc\_qgscomposerscalebar.cxx  
[ 46%] Generating moc\_qgscomposervectorlegend.cxx  
[ 46%] [ 46%] Generating moc\_qgscomposerview.cxx  
Building CXX object src/plugins/copyright\_label/CMakeFiles/copyrightlabelplugin.dir/qrc\_copyright\_plugin.o  
[ 46%] Generating moc\_qgscomposition.cxx  
[ 46%] Generating moc\_qgslegend.cxx  
Linking CXX shared module libcopyrightlabelplugin.so  
Linking CXX shared module libdelimitedtextplugin.so  
[ 46%] Generating moc\_qgslegendlayer.cxx  
[ 47%] [ 47%] Built target delimitedtextplugin  
Generating moc\_qgslegendlayerfile.cxx  
[ 47%] Generating ui\_plugginguibase.h  
[ 47%] Built target copyrightlabelplugin

[ 47%] [ 47%] Generating ui\_pluggingui.h  
Generating moc\_plugin.cxx  
[ 47%] [ 47%] Generating moc\_pluggingui.cxx  
Generating moc\_plugin.cxx  
[ 47%] Generating moc\_pluggingui.cxx  
[ 47%] Generating moc\_qgsdbsourceselect.cxx  
[ 47%] Generating qrc\_gridmaker\_plugin.cxx  
[ 48%] Generating qrc\_northarrow\_plugin.cxx  
Scanning dependencies of target gridmakerplugin  
Scanning dependencies of target northarrowplugin  
[ 48%] Generating moc\_qgsnewconnection.cxx  
[ 48%] Generating moc\_qgspgquerybuilder.cxx  
Scanning dependencies of target qgis  
[ 48%] Building CXX object src/plugins/grid\_maker/CMakeFiles/gridmakerplugin.dir/plugin.o  
[ 49%] Building CXX object src/plugins/north\_arrow/CMakeFiles/northarrowplugin.dir/plugin.o  
Creating makefiles...  
Creating qgisconfig.py...  
Done  
[ 49%] [ 49%] Generating core/core.so  
Building CXX object src/plugins/grid\_maker/CMakeFiles/gridmakerplugin.dir/pluggingui.o  
maker3: warning: jobserver unavailable: using -j1. Add @+' to parent make rule.  
[ 49%] Building CXX object src/plugins/north\_arrow/CMakeFiles/northarrowplugin.dir/pluggingui.o  
[ 49%] Building CXX object src/plugins/grid\_maker/CMakeFiles/gridmakerplugin.dir/graticulecreator.o  
[ 49%] Building CXX object src/plugins/north\_arrow/CMakeFiles/northarrowplugin.dir/moc\_plugin.o  
[ 49%] Building CXX object src/plugins/north\_arrow/CMakeFiles/northarrowplugin.dir/moc\_pluggingui.o  
[ 49%] Building CXX object src/plugins/grid\_maker/CMakeFiles/gridmakerplugin.dir/moc\_plugin.o  
[ 49%] Building CXX object src/plugins/north\_arrow/CMakeFiles/northarrowplugin.dir/qrc\_northarrow\_plugin.o  
[ 50%] Building CXX object src/plugins/grid\_maker/CMakeFiles/gridmakerplugin.dir/moc\_pluggingui.o  
Linking CXX shared module libnortharrowplugin.so  
[ 50%] Built target northarrowplugin  
[ 50%] Generating ui\_pluggingui.h  
[ 50%] Generating moc\_plugin.cxx  
[ 50%] [ 50%] Generating moc\_pluggingui.cxx  
Building CXX object src/plugins/grid\_maker/CMakeFiles/gridmakerplugin.dir/qrc\_gridmaker\_plugin.o  
[ 50%] Generating qrc\_scalebar\_plugin.cxx  
Linking CXX shared module libgridmakerplugin.so  
Scanning dependencies of target scalebarplugin  
[ 50%] Built target gridmakerplugin  
[ 50%] Generating ui\_qgsdlpggbuffer.h  
[ 50%] Generating moc\_qgspggeoprocessing.cxx  
[ 50%] Building CXX object src/plugins/scale\_bar/CMakeFiles/scalebarplugin.dir/plugin.o  
[ 50%] Generating moc\_qgsdlpggbuffer.cxx  
Scanning dependencies of target pgggeoprocessingplugin  
[ 50%] Building CXX object src/plugins/geoprocessing/CMakeFiles/pgggeoprocessingplugin.dir/qgspggeoprocessing.o  
[ 50%] Building CXX object src/plugins/scale\_bar/CMakeFiles/scalebarplugin.dir/pluggingui.o  
[ 50%] Building CXX object src/app/CMakeFiles/qgis.dir/main.o  
[ 50%] Building CXX object src/plugins/geoprocessing/CMakeFiles/pgggeoprocessingplugin.dir/qgsdlpggbuffer.o  
[ 50%] Building CXX object src/plugins/scale\_bar/CMakeFiles/scalebarplugin.dir/moc\_plugin.o  
[ 50%] Building CXX object src/plugins/scale\_bar/CMakeFiles/scalebarplugin.dir/moc\_pluggingui.o  
[ 51%] Building CXX object src/plugins/geoprocessing/CMakeFiles/pgggeoprocessingplugin.dir/moc\_qgspggeoprocessing.o  
[ 52%] Building CXX object src/plugins/scale\_bar/CMakeFiles/scalebarplugin.dir/qrc\_scalebar\_plugin.o  
[ 52%] Building CXX object src/plugins/geoprocessing/CMakeFiles/pgggeoprocessingplugin.dir/moc\_qgsdlpggbuffer.o  
Linking CXX shared module libscalebarplugin.so

[ 52%] Built target scalebarplugin  
[ 52%] Generating ui\_qgsmessagviewer.h  
[ 52%] Generating moc\_qgsspit.cxx  
Linking CXX shared module libpggeoprocessingplugin.so  
[ 52%] Generating moc\_qgsshapefile.cxx  
[ 52%] Generating moc\_qgseditreservedworddialog.cxx  
[ 52%] Built target pggeoprocessingplugin  
[ 53%] Generating ui\_qgsgpsdevicedialogbase.h  
[ 54%] Generating moc\_qgsconnectiondialog.cxx  
[ 54%] [ 54%] Generating moc\_qgsgpsplugin.cxx  
Generating moc\_qgsspitplugin.cxx  
[ 54%] Generating ui\_qgsconnectiondialogbase.h  
[ 54%] Generating moc\_qgsgpspluggingui.cxx  
[ 54%] Generating ui\_qgsspitbase.h  
[ 54%] Generating moc\_qgsgpsdevicedialog.cxx  
[ 54%] Generating ui\_qgseditreservedwordbase.h  
[ 54%] Generating qrc\_qgsgps\_plugin.cxx  
Scanning dependencies of target spitplugin  
[ 54%] Generating ui\_qgsgpsplugginguibase.h  
Scanning dependencies of target gpsimporterplugin  
[ 54%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/qgsspit.o  
[ 54%] Building CXX object src/plugins/gps\_importer/CMakeFiles/gpsimporterplugin.dir/qgsgpsplugin.o  
[ 55%] Building CXX object src/plugins/gps\_importer/CMakeFiles/gpsimporterplugin.dir/qgsbabelformat.o  
[ 56%] Building CXX object src/app/CMakeFiles/qgis.dir/qgisapp.o  
[ 56%] Building CXX object src/plugins/gps\_importer/CMakeFiles/gpsimporterplugin.dir/qgsgpsdevice.o  
[ 57%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/qgsconnectiondialog.o  
[ 57%] Building CXX object src/plugins/gps\_importer/CMakeFiles/gpsimporterplugin.dir/qgsgpspluggingui.o  
[ 57%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/qgspgutil.o  
[ 57%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/qgsshapefile.o  
[ 57%] Building CXX object src/plugins/gps\_importer/CMakeFiles/gpsimporterplugin.dir/qgsgpsdevicedialog.o  
[ 57%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/qgseditreservedworddialog.o  
[ 57%] Building CXX object src/plugins/gps\_importer/CMakeFiles/gpsimporterplugin.dir/moc\_qgsgpsplugin.o  
[ 57%] Building CXX object src/plugins/gps\_importer/CMakeFiles/gpsimporterplugin.dir/moc\_qgsgpspluggingui.o  
[ 57%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/qgsspitplugin.o  
[ 58%] Building CXX object src/plugins/gps\_importer/CMakeFiles/gpsimporterplugin.dir/moc\_qgsgpsdevicedialog.o  
[ 58%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/moc\_qgsspit.o  
[ 58%] Building CXX object src/plugins/gps\_importer/CMakeFiles/gpsimporterplugin.dir/qrc\_qgsgps\_plugin.o  
[ 58%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/moc\_qgsshapefile.o  
[ 59%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/moc\_qgseditreservedworddialog.o  
Linking CXX shared module libgpsimporterplugin.so  
[ 59%] [ 59%] Built target gpsimporterplugin  
Building CXX object src/app/CMakeFiles/qgis.dir/qgisappinterface.o  
[ 59%] Generating ui\_qgswfssourceselectbase.h  
[ 59%] Generating moc\_qgswfsplugin.cxx  
[ 59%] Generating moc\_qgswfssourceselect.cxx  
[ 59%] Generating moc\_qgsnewhttpconnection.cxx  
Scanning dependencies of target wfsplugin  
[ 59%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/moc\_qgsconnectiondialog.o  
[ 59%] Building CXX object src/plugins/wfs/CMakeFiles/wfsplugin.dir/qgswfsplugin.o  
[ 59%] Building CXX object src/plugins/spit/CMakeFiles/spitplugin.dir/moc\_qgsspitplugin.o  
[ 59%] Building CXX object src/app/CMakeFiles/qgis.dir/qgsabout.o  
Linking CXX shared module libspitplugin.so  
[ 59%] Built target spitplugin

```
[ 59%] Generating ui_qgsgeorefwarptionsdialogbase.h
[ 59%] Generating moc_plugin.cxx
[ 59%] Building CXX object src/plugins/wfs/CMakeFiles/wfsplugin.dir/qgswfssourceselect.o
[ 59%] Generating moc_pluggingui.cxx
[ 59%] Generating moc_qgspointdialog.cxx
[ 59%] Generating moc_mapcoordsdialog.cxx
[ 59%] Generating moc_qgsgeorefwarptionsdialog.cxx
[ 59%] Generating qrc_georeferencer.cxx
[ 60%] Generating ui_plugginguibase.h
[ 60%] Generating ui_qgspointdialogbase.h
[ 60%] Generating ui_mapcoordsdialogbase.h
[ 60%] Generating ui_qgsgeorefdescriptiondialogbase.h
Scanning dependencies of target georefplugin
[ 60%] Building CXX object src/app/CMakeFiles/qgis.dir/qgsaddattdialog.o
[ 60%] Building CXX object src/plugins/georeferencer/CMakeFiles/georefplugin.dir/plugin.o
[ 60%] Building CXX object src/plugins/wfs/CMakeFiles/wfsplugin.dir/+/+/+/src/app/qgsnewhttpconnection.o
[ 60%] Building CXX object src/plugins/georeferencer/CMakeFiles/georefplugin.dir/qgsgeorefdatapoint.o
[ 60%] Building CXX object src/app/CMakeFiles/qgis.dir/qgsattributeactiondialog.o
[ 60%] Building CXX object src/plugins/wfs/CMakeFiles/wfsplugin.dir/moc_qgswfplugin.o
[ 61%] Building CXX object src/plugins/georeferencer/CMakeFiles/georefplugin.dir/pluggingui.o
[ 61%] Building CXX object src/plugins/wfs/CMakeFiles/wfsplugin.dir/moc_qgswfssourceselect.o
[ 61%] Building CXX object src/app/CMakeFiles/qgis.dir/qgsattributedialog.o
[ 62%] Building CXX object src/plugins/wfs/CMakeFiles/wfsplugin.dir/moc_qgsnewhttpconnection.o
sipcoreQgsLabelAttributes.cpp: In function 'PyObject* meth_QgsLabelAttributes_bufferColor(PyObject*, [[PyObject]]*)':
sipcoreQgsLabelAttributes.cpp:1274: warning: taking address of temporary
```

## History

### #1 - 2008-03-19 09:43 AM - John Tull

Could not attach debug output due to file size limitations. Contact me if you want to see the output from 'make -d'  
jctull gmail com

### #2 - 2008-03-20 02:57 AM - Markus Neteler

hi,

also here a SIP compile error:

```
[ 66%] Generating core/Makefile, gui/Makefile
Parsing SIP files for 'core' library...
/usr/bin/sip -c core -b /home/neteler/software/qgis_unstable/build/python/core/core.sbf -l /usr/share/sip/PyQt4 -x [[VendorID]] -t WS_X11 -x
[[PyQt]]_NoPrintRangeBug -t Qt_4_2_2 -g /home/neteler/software/qgis_unstable/python/core/core.sip
sip: /home/neteler/software/qgis_unstable/python/core/conversions.sip:523: %MappedType template arguments must be simple names
Parsing SIP files for 'gui' library...
/usr/bin/sip -c gui -b /home/neteler/software/qgis_unstable/build/python/gui/gui.sbf -l /home/neteler/software/qgis_unstable/python -l
/usr/share/sip/PyQt4 -x [[VendorID]] -t WS_X11 -x [[PyQt]]_NoPrintRangeBug -t Qt_4_2_2 -g
/home/neteler/software/qgis_unstable/python/gui/gui.sip
sip: /home/neteler/software/qgis_unstable/python/core/conversions.sip:523: %MappedType template arguments must be simple names
Creating makefiles...
Error: Unable to open
"/home/neteler/software/qgis_unstable/build/python/core/core.sbf": [Errno 2] No
```

such file or directory:  
'/home/neteler/software/qgis\_unstable/build/python/core/core.sbf'  
maker2: \*\*\* [python/core/Makefile] Error 1  
maker1: \*\*\* [python/CMakeFiles/python.dir/all] Error 2  
make: \*\*\* [all] Error 2

Today's SVN trunk on a Mandriva 2007.1 64bit box.

Markus

### #3 - 2008-07-09 09:00 PM - John Tull

I do not think this is the cause of the mac issues with Python functionality. Instead, it appears to be linking issues with static libs on OS X that has an available workaround in bug 768:

<https://trac.osgeo.org/qgis/ticket/768>

### #4 - 2008-09-29 09:18 AM - silfreed -

I'm also seeing this error when trying to build on Fedora 8. My only workaround right now is to try to disable the python build for F8 for now. I believe the problem building the bindings is due to this previous error:

sip:  
/builddir/build/BUILD/qgis\_1.0.0-pre1/python/core/conversions.sip:623: %MappedType template arguments must be simple names

### #5 - 2009-01-10 08:36 AM - Paolo Cavallini

Is this still valid? I cannot see these errors on my debian boxes.

### #6 - 2009-01-10 09:13 AM - Markus Neteler

For me (Mandriva Linux 2009.0, 64bit) it is fixed.

### #7 - 2009-01-10 10:57 PM - Paolo Cavallini

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

So closing it for now. Reopen it if necessary.

### #8 - 2009-08-22 01:01 AM - Anonymous

Milestone Version 1.0.1 deleted