

QGIS Application - Bug report #7080

Master version crashes when loads 1.8 project

2013-01-30 04:43 PM - Salvatore Larosa

Status: Closed	
Priority: High	
Assignee:	
Category: Project Loading/Saving	
Affected QGIS version: master	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied: No	Resolution:
Crashes QGIS or corrupts data: Yes	Copied to github as #: 16164
Description	
At the least in this case !	
To reproduce:	
<ul style="list-style-type: none">- Start 1.8 version and load the linked GEOTIFF;- Save the project;- Open the same project into 1.9- Crashes.	
GEOTIFF FILE: https://www.dropbox.com/s/anzl13hxqnf25a/test_raster.tif	
Related issues:	
Related to QGIS Application - Bug report # 8283: Loading QGIS 1.8 color ramp ...	Closed 2013-07-12

Associated revisions

Revision d6c16dd2 - 2013-07-13 11:55 AM - Jürgen Fischer

project file transform: don't imply we know the band count (fixes #7080, fixes #8283)

History

#1 - 2013-01-30 04:44 PM - Salvatore Larosa

- Crashes QGIS or corrupts data changed from No to Yes

#2 - 2013-01-30 04:53 PM - Salvatore Larosa

More info:

```
Program received signal SIGABRT, Aborted.
0x00007ffff06d7475 in raise () from /lib/x86_64-linux-gnu/libc.so.6
(gdb) bt
#0 0x00007ffff06d7475 in raise () from /lib/x86_64-linux-gnu/libc.so.6
#1 0x00007ffff06da6f0 in abort () from /lib/x86_64-linux-gnu/libc.so.6
#2 0x0000000000567d5d in myMessageOutput (type=QtFatalMsg, msg=
0x6a193a8 "ASSERT failure in QList<T>::operator[]: \"index out of range\\", file /usr/include/qt4/QtCore/qlist.h, line 473") at
/home/sam/pacchetti_gis/Quantum-GIS/src/app/main.cpp:209
#3 0x00007ffff3657630 in qt_message_output(QtMsgType, char const*) ()
from /usr/lib/x86_64-linux-gnu/libQtCore.so.4
#4 0x00007ffff3657a98 in ?? () from /usr/lib/x86_64-linux-gnu/libQtCore.so.4
```

#5 0x00007ffff3657c24 in qFatal(char const*, ...) () from /usr/lib/x86_64-linux-gnu/libQtCore.so.4
#6 0x00007ffff43e03d7 in QList<int>::operator[] (this=0x6864450, i=-2)
at /usr/include/qt4/QtCore/qList.h:473
#7 0x00007ffffd87e1899 in QgsGdalProvider::dataType (this=0x68643b0, bandNo=-1)
at /home/sam/pacchetti_gis/Quantum-GIS/src/providers/gdal/qsgdalprovider.cpp:1023
#8 0x00007ffff4cdc4c5 in QgsMultiBandColorRenderer::create (elem=..., input=0x68643d8)
at /home/sam/pacchetti_gis/Quantum-GIS/src/core/raster/qgsmultibandcolorrenderer.cpp:98
#9 0x00007ffff4cb95d6 in QgsRasterLayer::readSymbology (this=0x7fffffb140, layer_node=...,
errorMessage=...)
at /home/sam/pacchetti_gis/Quantum-GIS/src/core/raster/qgsrasterlayer.cpp:2286
#10 0x00007ffff4cba18f in QgsRasterLayer::readXml (this=0x7fffffb140, layer_node=...)
at /home/sam/pacchetti_gis/Quantum-GIS/src/core/raster/qgsrasterlayer.cpp:2398
#11 0x00007ffff4b2a0c4 in QgsMapLayer::readXML (this=0x7fffffb140, layer_node=...)
at /home/sam/pacchetti_gis/Quantum-GIS/src/core/qgsmaplayer.cpp:299
#12 0x00007ffff4b81aa2 in QgsProjectFileTransform::transform1800to1900 (this=0x7fffffb930)
at /home/sam/pacchetti_gis/Quantum-GIS/src/core/qgsprojectfiletransform.cpp:477
#13 0x00007ffff4b7d143 in QgsProjectFileTransform::updateRevision (this=0x7fffffb930,
newVersion=...) at /home/sam/pacchetti_gis/Quantum-GIS/src/core/qgsprojectfiletransform.cpp:70
#14 0x00007ffff4b74736 in QgsProject::read (this=0x11c61b0)
at /home/sam/pacchetti_gis/Quantum-GIS/src/core/qgsproject.cpp:855
#15 0x00007ffff4b73de3 in QgsProject::read (this=0x11c61b0, file=...)
at /home/sam/pacchetti_gis/Quantum-GIS/src/core/qgsproject.cpp:782
#16 0x0000000005898a5 in QgisApp::addProject (this=0xfd8240, projectFile=...)
at /home/sam/pacchetti_gis/Quantum-GIS/src/app/qgisapp.cpp:3352
#17 0x000000000589559 in QgisApp::fileOpen (this=0xfd8240)
at /home/sam/pacchetti_gis/Quantum-GIS/src/app/qgisapp.cpp:3328
#18 0x00000000089230f in QgisApp::qt_static_metacall (_o=0xfd8240,
_c=QMetaObject::InvokeMetaMethod, _id=127, _a=0x7fffffc5e0)
at /home/sam/pacchetti_gis/Quantum-GIS/build-master/src/app/moc_qgisapp.cxx:611
#19 0x00007ffff377254f in QMetaObject::activate(QObject*, QMetaObject const*, int, void**) ()
from /usr/lib/x86_64-linux-gnu/libQtCore.so.4
#20 0x00007ffff2b00502 in QAction::triggered(bool) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#21 0x00007ffff2b006f0 in QAction::activate(QAction::ActionEvent) ()
from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#22 0x00007ffff2ec085f in ?? () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#23 0x00007ffff2ec0b0c in QAbstractButton::mouseReleaseEvent(QMouseEvent*) ()
from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#24 0x00007ffff2f7aa8a in QToolButton::mouseReleaseEvent(QMouseEvent*) ()
from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#25 0x00007ffff2b55e10 in QWidget::event(QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#26 0x00007ffff2b0670c in QApplicationPrivate::notify_helper(QObject*, QEvent*) ()
from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#27 0x00007ffff2b0b3eb in QApplication::notify(QObject*, QEvent*) ()
from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#28 0x00007ffff4a91e84 in QgsApplication::notify (this=0x7fffffd960, receiver=0xfe5530, event=
0x7fffffcf40) at /home/sam/pacchetti_gis/Quantum-GIS/src/core/qgsapplication.cpp:237
#29 0x00007ffff375cb5e in QCoreApplication::notifyInternal(QObject*, QEvent*) ()
from /usr/lib/x86_64-linux-gnu/libQtCore.so.4
#30 0x00007ffff2b0754b in QApplicationPrivate::sendMouseEvent(QWidget*, QMouseEvent*, QWidget*, QWidget*, QWidget**,
QPointer<QWidget>&, bool) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#31 0x00007ffff2b81fc4 in ?? () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#32 0x00007ffff2b80d51 in QApplication::x11ProcessEvent(_XEvent*) ()
from /usr/lib/x86_64-linux-gnu/libQtGui.so.4

```
#33 0x00007fff2b955cc in ?? () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#34 0x00007fff2f55193 in QSplashScreen::finish(QWidget*) ()
    from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
#35 0x000000000056a659 in main (argc=1, argv=0x7fffffe3b8)
    at /home/sam/pacchetti_gis/Quantum-GIS/src/app/main.cpp:908
```

#3 - 2013-01-31 01:13 AM - Giovanni Manghi

- *Category set to Project Loading/Saving*
- *Status changed from Open to Feedback*

Salvatore, I would tag this a regression, do you agree? cheers!

#4 - 2013-01-31 01:14 AM - Giovanni Manghi

- *Priority changed from Normal to High*

#5 - 2013-01-31 04:21 AM - Salvatore Larosa

Giovanni Manghi wrote:

| *Salvatore, I would tag this a regression, do you agree? cheers!*

Giovanni, if confirmed I agree to tag this as Blocker !
I did test only under Linux.

#6 - 2013-02-11 02:16 AM - Giovanni Manghi

Salvatore Larosa wrote:

| *Giovanni Manghi wrote:*

| | *Salvatore, I would tag this a regression, do you agree? cheers!*

| *Giovanni, if confirmed I agree to tag this as Blocker !*

| *I did test only under Linux.*

Salvatore is conformed? cheers!

#7 - 2013-05-31 08:48 AM - Sandro Santilli

Is this still an issue against current master?

#8 - 2013-05-31 09:11 AM - Salvatore Larosa

Still persists here with the same stacktrace.

Fatal: ASSERT failure in QList<T>::operator[]: "index out of range", file /usr/include/qt4/QtCore/qlist.h, line 473

Stacktrace (run through c++filt):

```
qgis(_Z15myMessageOutput9QtMsgTypePKc+0x223)[0x56226d]
/usr/lib/x86_64-linux-gnu/libQtCore.so.4(_Z17qt_message_output9QtMsgTypePKc+0x30)[0x7f6a25d68630]
/usr/lib/x86_64-linux-gnu/libQtCore.so.4(+0x77a98)[0x7f6a25d68a98]
/usr/lib/x86_64-linux-gnu/libQtCore.so.4(_Z6qFatalPKcz+0x94)[0x7f6a25d68c24]
/usr/local/lib/libqgis_gui.so.1.9.0(_ZNK5QListliEixEi+0x45)[0x7f6a26b4c2af]
/usr/local/lib/qgis/plugins/libgdalprovider.so(_ZNK15QgsGdalProvider8dataTypeEi+0x4b)[0x7f6a0b268d4d]
/usr/local/lib/libqgis_core.so.1.9.0(_ZN25QgsMultiBandColorRenderer6createERK11QDomElementP18QgsRasterInterface+0x277)[0x7f6a2750a58d]
58d]
/usr/local/lib/libqgis_core.so.1.9.0(_ZN14QgsRasterLayer13readSymbologyERK8QDomNodeR7QString+0x420)[0x7f6a274e7d98]
/usr/local/lib/libqgis_core.so.1.9.0(_ZN14QgsRasterLayer7readXmlERK8QDomNode+0x8b9)[0x7f6a274e8d4b]
/usr/local/lib/libqgis_core.so.1.9.0(_ZN11QgsMapLayer12readLayerXMLERK11QDomElement+0x14e9)[0x7f6a2731f3d7]
/usr/local/lib/libqgis_core.so.1.9.0(_ZN23QgsProjectFileTransform19transform1800to1900Ev+0x1ab)[0x7f6a273ad075]
/usr/local/lib/libqgis_core.so.1.9.0(_ZN23QgsProjectFileTransform14updateRevisionE17QgsProjectVersion+0x117)[0x7f6a273a8747]
/usr/local/lib/libqgis_core.so.1.9.0(_ZN10QgsProject4readEv+0x935)[0x7f6a2739f54d]
/usr/local/lib/libqgis_core.so.1.9.0(_ZN10QgsProject4readERK9QFileInfo+0x5b)[0x7f6a2739ebf5]
qgis(_ZN7QgisApp10addProjectE7QString+0x1ab)[0x5864e3]
qgis(_ZN7QgisApp8fileOpenEv+0x291)[0x586079]
qgis[0x8bc0e3]
/usr/lib/x86_64-linux-gnu/libQtCore.so.4(_ZN11QMetaObject8activateEP7QObjectPKS_iPPv+0x2bf)[0x7f6a25e8354f]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(_ZN7QAction9triggeredEb+0x32)[0x7f6a25211502]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(_ZN7QAction8activateENS_11ActionEventE+0x70)[0x7f6a252116f0]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(+0x611413)[0x7f6a2564b413]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(+0x617729)[0x7f6a25651729]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(_ZN7QWidget5eventEP6QEvent+0x7e0)[0x7f6a25266e10]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(_ZN5QMenu5eventEP6QEvent+0x5b)[0x7f6a256529db]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(_ZN19QApplicationPrivate13notify_helperEP7QObjectP6QEvent+0xac)[0x7f6a2521770c]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(_ZN12QApplication6notifyEP7QObjectP6QEvent+0x99b)[0x7f6a2521c3eb]
/usr/local/lib/libqgis_core.so.1.9.0(_ZN14QgsApplication6notifyEP7QObjectP6QEvent+0xb0)[0x7f6a2727434c]
/usr/lib/x86_64-linux-gnu/libQtCore.so.4(_ZN16QCoreApplication14notifyInternalEP7QObjectP6QEvent+0x8e)[0x7f6a25e6db5e]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(_ZN19QApplicationPrivate14sendMouseEventEP7QWidgetP11QMouseEventS1_S1_PS1_R8QPointerIS0_Eb+0x14b0_Eb+0x14b)[0x7f6a2521854b]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(+0x258e8c)[0x7f6a25292e8c]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(_ZN12QApplication15x11ProcessEventEP7_XEvent+0xb11)[0x7f6a25291d51]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(+0x27ebc2)[0x7f6a252b8bc2]
/lib/x86_64-linux-gnu/libglib-2.0.so.0(g_main_context_dispatch+0x135)[0x7f6a216f5355]
/lib/x86_64-linux-gnu/libglib-2.0.so.0(+0x4a688)[0x7f6a216f5688]
/lib/x86_64-linux-gnu/libglib-2.0.so.0(g_main_context_iteration+0x34)[0x7f6a216f5744]
/usr/lib/x86_64-linux-gnu/libQtCore.so.4(_ZN20QEventDispatcherGlib13processEventsE6QFlagsIN10QEventLoop17ProcessEventFlagEE+0x66)[0x7f6a25e9c276]
6)[0x7f6a25e9c276]
/usr/lib/x86_64-linux-gnu/libQtGui.so.4(+0x27e83e)[0x7f6a252b883e]
/usr/lib/x86_64-linux-gnu/libQtCore.so.4(_ZN10QEventLoop13processEventsE6QFlagsINS_17ProcessEventFlagEE+0x2f)[0x7f6a25e6c8af]
/usr/lib/x86_64-linux-gnu/libQtCore.so.4(_ZN10QEventLoop4execE6QFlagsINS_17ProcessEventFlagEE+0x138)[0x7f6a25e6cb38]
/usr/lib/x86_64-linux-gnu/libQtCore.so.4(_ZN16QCoreApplication4execEv+0x88)[0x7f6a25e71cf8]
qgis(main+0x2bf4)[0x564eeb]
/lib/x86_64-linux-gnu/libc.so.6(__libc_start_main+0xfd)[0x7f6a22dd4ead]
qgis[0x561d29]
Annullato
```

I do not know if it depends on the GDAL version.

My system:

QGIS version 1.9.0-Master
QGIS code revision 471da0f
Compiled against Qt 4.8.2
Running against Qt 4.8.2
Compiled against GDAL/OGR 1.9.2
Running against GDAL/OGR 1.9.2
GEOS Version 3.3.3
PostgreSQL Client Version 9.1.9
SpatiaLite Version 4.0.0
QWT Version 5.2.2
PROJ.4 Version 470
QScintilla2 Version 2.7.1

#9 - 2013-07-12 02:01 PM - Giovanni Manghi

Salvatore Larosa wrote:

| *Still persists here with the same stacktrace.*

just tested, no crash here

#10 - 2013-07-13 02:55 AM - Jürgen Fischer

- *Status changed from Feedback to Closed*

Fixed in changeset commit:"d6c16dd2caab603e7ee7c38750157fff1fd7b6d5".