

QGIS Application - Bug report #14008

Crash zooming to wide extent

2015-12-18 09:29 AM - Sandro Santilli

Status: Closed	
Priority: High	
Assignee:	
Category: Map Canvas	
Affected QGIS version: 2.8.4	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: duplicate
Crashes QGIS or corrupts data: Yes	Copied to github as #: 22021

Description

Easy to reproduce with QuickWKT plugin (but it was spotted while trying to load a wide extent layer from PostGIS so this is not QuickWKT related):

LINestring

Enter the above WKT and load in canvas. QGIS 2.8.4 aborts with:

```
src/core/qgsmrendererparalleljob.cpp: 211: (renderLayerStatic) [4ms] [thread:0x7fff5800a720] job 3dcd630 start
qgis: /usr/src/qgis/qgis-2.8/src/core/qgsmaptopixel.cpp:125: QgsPoint QgsMapToPixel::toMapPoint(double, double) const: Assertion
`invertible' failed.
src/core/qgsmrendererparalleljob.cpp: 231: (renderLayerStatic) [0ms] [thread:0x7fff5800a720] job 3dcd630 end [1 ms]
```

Program received signal SIGABRT, Aborted.

```
0x00007fffef476cc9 in GI_raise (sig=sig@entry=6) at ../nptl/sysdeps/unix/sysv/linux/raise.c:56
```

```
56 ../nptl/sysdeps/unix/sysv/linux/raise.c: No such file or directory.
```

(gdb) bt

```
#0 0x00007fffef476cc9 in _GI_raise (sig=sig@entry=6) at ../nptl/sysdeps/unix/sysv/linux/raise.c:56
```

```
#1 0x00007fffef47a0d8 in __GI_abort () at abort.c:89
```

```
#2 0x00007fffef46fb86 in __assert_fail_base (fmt=0x7fffef5c0830 "%s%s%s:%u: %s%sAssertion `%s' failed.\n%n",
```

```
assertion=assertion@entry=0x7fff43d25af "invertible", file=file@entry=0x7fff43d2568
```

```
"/usr/src/qgis/qgis-2.8/src/core/qgsmaptopixel.cpp",
```

```
line=line@entry=125,
```

```
function=function@entry=0x7fff43d2640 <QgsMapToPixel::toMapPoint(double, double) const::_PRETTY_FUNCTION> "QgsPoint
```

```
QgsMapToPixel::toMapPoint(double, double) const") at assert.c:92
```

```
#3 0x00007fffef46fc32 in Glassert_fail (assertion=0x7fff43d25af "invertible",
```

```
file=0x7fff43d2568 "/usr/src/qgis/qgis-2.8/src/core/qgsmaptopixel.cpp", line=125,
```

```
function=0x7fff43d2640 <QgsMapToPixel::toMapPoint(double, double) const::_PRETTY_FUNCTION__> "QgsPoint
```

```
QgsMapToPixel::toMapPoint(double, double) const") at assert.c:101
```

```
#4 0x00007fff411b4e8 in QgsMapToPixel::toMapPoint (this=0x13e7ef8, x=741, y=467) at
```

```
/usr/src/qgis/qgis-2.8/src/core/qgsmaptopixel.cpp:125
```

```
#5 0x00007fff411b5b6 in QgsMapToPixel::toMapCoordinates (this=0x13e7ef8, p=...) at
```

```
/usr/src/qgis/qgis-2.8/src/core/qgsmaptopixel.cpp:137
```

```
#6 0x00007fff37d0c4f in QgsMapCanvas::mouseMoveEvent (this=0x13e7d30, e=0x7fffffc630) at
```

```
/usr/src/qgis/qgis-2.8/src/gui/qgsmapcanvas.cpp:1473
```

```
#7 0x00007fff1f3d645 in QWidget::event(QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
```

```
#8 0x00007fff22df04e in QFrame::event(QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
```

```
#9 0x00007fff24ea859 in QGraphicsView::viewportEvent(QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
```

I had the impression we fixed this already by refusing to set a non-invertible matrix ? Is this a regression or was it done in a later version ?

PS: 2.8.4 is missing an entry in "Affected version"

History

#1 - 2015-12-18 09:49 AM - Sandro Santilli

Re-writing the input WKT as the redmine formatting eat part of it:

```
LINESTRING(1.64840917084758e+24 4.87237127e+24,1.64868022e+24 4.87287960745181e+24)
```

#2 - 2015-12-18 09:50 AM - Sandro Santilli

Master branch (commit:efaae1f, to become 2.14) is not affected.

#3 - 2015-12-20 12:35 AM - Giovanni Manghi

- *Affected QGIS version changed from 2.8.3 to 2.8.4*

#4 - 2015-12-26 02:01 PM - Bas Couwenberg

Isn't this the same issue as #12757?

Backporting the fix to release-2_8 should resolve this issue then.

#5 - 2015-12-28 03:52 AM - Sandro Santilli

- *Resolution set to duplicate*

- *Status changed from Open to Closed*

Confirmed, duplicate of #12757