

QGIS Application - Bug report #17730

3d map canvas crashes (when docked) while generating terrain from DEM

2017-12-21 06:23 AM - Mathieu Pellerin - nIRV

Status:	Closed	
Priority:	High	
Assignee:	Martin Dobias	
Category:	3D	
Affected QGIS version:	master	Regression?: No
Operating System:	Ubuntu	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 25626
Description		
I don't remember seeing this when I first tested the 3D map canvas. A crash occurs when the 3D map canvas is docked and a DEM is assigned. GDB's where output: <pre>(gdb) where #0 0x00007ffff37d90bb in __GI_raise (sig=sig@entry=6) at ../sysdeps/unix/sysv/linux/raise.c:51 #1 0x00007ffff37daf5d in __GI_abort () at abort.c:90 #2 0x00005555555560a92 in qgisCrash(int) (signal=-1) at /home/webmaster/dev/cpp/QGIS/src/app/main.cpp:337 #3 0x00005555555560d3a in myMessageOutput(QtMsgType, char const*) (type=QtFatalMsg, msg=0x7ffee020ce68 "ASSERT: \"heights.count() == res * res * (int)sizeof(float)\" in file /home/webmaster/dev/cpp/QGIS/src/3d/terrain/qgsdemterrintilegeometry_p.cpp, line 30") at /home/webmaster/dev/cpp/QGIS/src/app/main.cpp:390 #4 0x00007ffff41b461a in () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5 #5 0x00007ffff41b60ee in QMessageLogger::fatal(char const*, ...) const () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5 #6 0x00007ffff41b1357 in () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5 #7 0x00007ffff0c8ce00 in createPlaneVertexData(int, float, QByteArray const&) (res=16, skirtHeight=10, heights=...) at /home/webmaster/dev/cpp/QGIS/src/3d/terrain/qgsdemterrintilegeometry_p.cpp:30 #8 0x00007ffff0c8de6f in PlaneVertexBufferFunctor::operator>() (this=0x55555e8b6dc0) at /home/webmaster/dev/cpp/QGIS/src/3d/terrain/qgsdemterrintilegeometry_p.cpp:146 #9 0x00007fffebee0fe1 in () at /usr/lib/x86_64-linux-gnu/libQt53DRender.so.5 #10 0x00007fffebf556c8 in () at /usr/lib/x86_64-linux-gnu/libQt53DRender.so.5 #11 0x00007fffebbe2a93 in () at /usr/lib/x86_64-linux-gnu/libQt53DCore.so.5 #12 0x00007ffff41c7581 in () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5 #13 0x00007ffff41cb29d in () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5 #14 0x00007fffea2257fc in start_thread (arg=0x7ffefbfff700) at pthread_create.c:465 #15 0x00007ffff38b6b0f in clone () at ../sysdeps/unix/sysv/linux/x86_64/clone.S:95</pre>		

Associated revisions

Revision d1e4c5e0 - 2018-07-08 05:22 PM - Martin Dobias

Fix a crash with terrain generation from DEM (fixes #17730)

A typical off by one error - reading data outside of heightmap array

History

#1 - 2018-07-08 05:22 PM - Martin Dobias

- % Done changed from 0 to 100
- Status changed from Open to Closed

Applied in changeset commit:qgis|d1e4c5e0ffd6c3d24b9390ca56429678f44c854b.