

QGIS Application - Bug report #19445  
crash when zooming in DEM

2018-07-19 02:29 PM - Arnaud Pujol

|                                        |         |                                     |
|----------------------------------------|---------|-------------------------------------|
| <b>Status:</b>                         | Closed  |                                     |
| <b>Priority:</b>                       | Normal  |                                     |
| <b>Assignee:</b>                       |         |                                     |
| <b>Category:</b>                       | Rasters |                                     |
| <b>Affected QGIS version:</b>          | 3.0.3   | <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>  | Yes     | <b>Copied to github as #:</b> 27273 |

Description

User Feedback

zooming in

Report Details

Crash ID: 5fe87e1d589013065bc457c1527801c73b2dab97

Stack Trace

QgsColorRampShader::shade :  
QgsSingleBandPseudoColorRenderer::block :  
QgsBrightnessContrastFilter::block :  
QgsHueSaturationFilter::block :  
QgsRasterResampleFilter::block :  
QgsRasterProjector::block :  
QgsRasterIterator::readNextRasterPart :  
QgsRasterDrawer::draw :  
QgsRasterLayerRenderer::render :  
QgsMapRendererParallelJob::renderLayerStatic :  
QgsMapRendererParallelJob::renderingFinished :  
QgsArchive::zip :  
QgsImageOperation::flipImage :  
QtConcurrent::ThreadEngineBase::run :  
QThreadPoolPrivate::reset :  
QThread::start :  
BaseThreadInitThunk :  
RtlUserThreadStart :

QGIS Info

QGIS Version: 3.0.3-Girona  
QGIS code revision: commit:8a899c8758  
Compiled against Qt: 5.9.2  
Running against Qt: 5.9.2  
Compiled against GDAL: 2.2.4  
Running against GDAL: 2.2.3

System Info

CPU Type: x86\_64  
Kernel Type: winnt  
Kernel Version: 6.1.7601

Associated revisions

Revision 34b21918 - 2018-07-20 07:10 AM - Nyal Dawson

Fix raster stats calculation for very small extents compared with pixel size, when a sample size is set

Refs #19445

#### **Revision f3650e6b - 2018-07-20 07:10 AM - Nyal Dawson**

Fix potential crash in color ramp shader

Fixes #19445

#### **Revision 1601e57d - 2018-07-20 08:00 AM - Nyal Dawson**

Fix raster stats calculation for very small extents compared with pixel size, when a sample size is set

Refs #19445

(cherry-picked from 34b21918)

#### **Revision 237af60a - 2018-07-20 08:00 AM - Nyal Dawson**

Fix potential crash in color ramp shader

Fixes #19445

(cherry-picked from f3650e6bb)

## **History**

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### **#1 - 2018-07-19 02:33 PM - Giovanni Manghi**

- *Category changed from Actions to Rasters*
- *Status changed from Open to Feedback*

You must test 3.2, if it persists please attach sample project and data. Thanks.

### **#2 - 2018-07-19 11:45 PM - Andrew McAninch**

- *File test.zip added*

I get this crash also, in QGIS 3.2 nightly on windows7. It happens with a raster layer with specific symbology settings: single band pseudocolor, min/max set to a standard deviation and the "statistics extent" set to updated canvas. Then QGIS will crash when I zoom in 1:8 or more. Im guessing it may have to do with trying to calc the SD with too few cells in the extent? The crash also happens if you zoom in on a raster without those settings and then paste a bad symbology. no zooming required.

### **#3 - 2018-07-20 03:42 AM - Nyal Dawson**

Thanks Andrew - confirmed.

**#4 - 2018-07-20 04:56 AM - Nyall Dawson**

- Pull Request or Patch supplied changed from No to Yes

<https://github.com/qgis/QGIS/pull/7442>

**#5 - 2018-07-20 07:10 AM - Nyall Dawson**

- % Done changed from 0 to 100

- Status changed from Feedback to Closed

Applied in changeset commit:qgis|f3650e6bb484f3e89a27d9444e2069d0a465732c.

**Files**

|          |         |            |                 |
|----------|---------|------------|-----------------|
| test.zip | 38.3 KB | 2018-07-19 | Andrew McAninch |
|----------|---------|------------|-----------------|