

QGIS Application - Bug report #19570

Raster terrain analysis Relief Crashes QGIS

2018-08-08 08:25 PM - Michael Knopp

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Processing/Core	
Affected QGIS version:	3.2.1	Regression?: No
Operating System:	Windows 7 Enterprise Service Pack 1	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 27397
Description		
<p>When I try and run the Relief process in the Raster terrain analysis group on a .bil raster DEM of SRTM data it crashes QGIS when ran as "Run in Background".</p> <p>I have tried this on three different DEM files in a project with other layers and in a new project where the DEM is the only layer. It crashes every time.</p> <p>I have tried checking the "Generate relief classes automatically" and defining my own colors by hand.</p> <p>I have ran the GDAL Color relief process and it works just fine. I have also ran the Aspect, Hillshade, and Slope under Raster terrain analysis group and they all function just fine.</p> <p>I loaded the DEM into QGIS 2.18.22 and ran the Raster Terrain Analysis Relief there and it worked just fine. Also, when it is ran as a batch process in 3.2.1 it works just fine.</p>		

Associated revisions

Revision c860696a - 2018-08-09 11:17 AM - Nyal Dawson

Fix crash in relief calculation when exporting distribution to csv

Fixes #19570

Revision d39bdcda - 2018-08-09 11:17 AM - Nyal Dawson

[processing] Don't create frequency distribution file for relief algorithm by default

Refs #19570

Revision 1fe1a99e - 2018-08-10 02:43 AM - Nyal Dawson

Fix crash in relief calculation when exporting distribution to csv

Fixes #19570

(cherry-picked from c860696)

[processing] Don't create frequency distribution file for relief algorithm by default

Refs #19570

(cherry-picked from d39bdcd)

History

#1 - 2018-08-09 03:57 AM - Nyal Dawson

- Status changed from Open to Feedback

Can you share your files? I can't reproduce here.

#2 - 2018-08-09 05:37 AM - Michael Knopp

- File *ScreenCap 003.png* added
- File *n06_e126_1arc_v3_bil.zip* added
- File *ScreenCap 001.png* added
- File *ScreenCap 002.png* added

Sure.

I am attaching the zip file with the .bil SRTM data inside of it. I am also attaching three screen caps showing the setup that I tested and the resulting greyed out program just before it crashes.

Let me know if there is anything else that I can do to help.

#3 - 2018-08-09 08:49 AM - Nyal Dawson

- Status changed from Feedback to Open

Thanks -- I can reproduce with that dataset

#4 - 2018-08-09 11:17 AM - Nyal Dawson

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

Applied in changeset commit:qgis|c860696a3ec8d23e90cebc2466975400ae301f73.

#5 - 2018-08-09 02:07 PM - Giovanni Manghi

- Resolution set to fixed/implemented

#6 - 2018-08-10 01:43 AM - Nyal Dawson

If you're looking for a quick workaround which works in 3.2.1 - set the "frequency distribution file" to "skip output" in the algorithm dialog.

#7 - 2018-08-10 09:57 PM - Michael Knopp

Nyall,

Thank you, but I already processed them through the Batch processing.

Files			
Screencap 001.png	214 KB	2018-08-09	Michael Knopp
Screencap 002.png	66.2 KB	2018-08-09	Michael Knopp
n06_e126_1arc_v3_bil.zip	1.71 MB	2018-08-09	Michael Knopp
Screencap 003.png	168 KB	2018-08-09	Michael Knopp