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

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".

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.

I have tried checking the "Generate relief classes automatically" and defining my own colors by hand.

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.

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.

Associated revisions

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

Fix crash in relief calculation when exporting distribution to csv

Fixes #19570

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

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

Refs #19570

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

Fix crash in relief calculation when exporting distribution to csv

Fixes #19570

(cherry-picked from c860696)

Revision e39cb4c3 - 2018-08-10 02:43 AM - Nyall Dawson

[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 - Nyall 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 - Nyall Dawson

- Status changed from Feedback to Open

Thanks -- I can reproduce with that dataset

#4 - 2018-08-09 11:17 AM - Nyall 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 - Nyall 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

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