QGIS Application - Bug report #17067
QgsHillshadeFilter (and possibly other raster filters) ignores Z factor value

2017-08-25 06:26 AM - Mathieu Pellerin - nIRV

Status:	Closed		
Priority:	High		
Assignee:			
Category:	Rasters		
Affected QGIS version:	master	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	fixed/implemented
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	24966

Description

While testing raster processing algorithms, I've noticed that the native hillshade as well as slope algorithms ignore the Z factor value entered. It's not a processing issue, as a very simple script run through the python console confirms the Z factor issue.

Using a DEM, try running the following code (obviously, replace paths with a valid DEM on your machine):

```
r = QgsHillshadeFilter('/media/webmaster/Data/Gis/SMRT-1arc/n11_e103_1arc_v3.bil','/home/webmaster/Desktop/output_1.tif','gtiff')
r.setZFactor(0.00004)
r.processRaster()
```

Then, run the same script, but change the Z factor value:

```
r = QgsHillshadeFilter('/media/webmaster/Data/Gis/SMRT-1arc/n11_e103_1arc_v3.bil','/home/webmaster/Desktop/output_2.tif','gtiff')
r.setZFactor(2)
r.processRaster()
```

Compare both results, you'll notice the two files are exactly the same.

History

#1 - 2017-08-25 07:11 PM - Nyall Dawson

This can be closed now, right?

#2 - 2017-09-02 05:22 AM - Nyall Dawson

- Resolution set to fixed/implemented

- Status changed from Open to Closed