

QGIS Application - Bug report #20502

Problem with GRASS 7 algorithms that call GRASS scripts under Windows

2018-11-15 12:20 PM - Pedro Venâncio

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	GRASS	
Affected QGIS version:	3.4.1	Regression?: No
Operating System:	Windows	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 28322
Description		
QGIS 3.4.1 under Windows still give problems with some GRASS 7 algorithms that call GRASS scripts, like r.mapcalculator or r.fillnulls, that call other GRASS scripts during execution. https://github.com/qgis/QGIS/blob/master/python/plugins/processing/algs/grass7/Grass7Utils.py#L396 For instance r.fillnulls: <pre>Processing algorithm... Algorithm 'r.fillnulls' starting... Input parameters: { 'GRASS_RASTER_FORMAT_META' : '', 'GRASS_RASTER_FORMAT_OPT' : '', 'GRASS_REGION_CELLSIZE_PARAMETER' : 0, 'GRASS_REGION_PARAMETER' : None, 'edge' : 3, 'input' : 'D:/SIG/MDT/dem_srtm_pttm06_80m.tif', 'lambda' : 0.01, 'method' : 2, 'npmin' : 600, 'output' : 'C:/Users/pedro.venancio/AppData/Local/Temp/processing_0296f1191e9248e9828bd46e64a4ccf9/2a4a391e222b47feb9ddf544646428a2/output.tif', 'segmax' : 300, 'smooth' : 0.1, 'tension' : 40 }</pre> <pre>g.region n=0.0 s=0.0 e=0.0 w=0.0 res=100.0 r.fillnulls input=rast_5bed4e3d900da3 method="rst" tension=40 smooth=0.1 edge=3 npmin=600 segmax=300 lambda=0.01 output=outputf5b1a64ddd0f455abcd3c3b8ce2285f4 --overwrite g.region raster=outputf5b1a64ddd0f455abcd3c3b8ce2285f4 r.out.gdal -t -m input="outputf5b1a64ddd0f455abcd3c3b8ce2285f4" output="C:/Users/pedro.venancio/AppData/Local/Temp/processing_0296f1191e9248e9828bd46e64a4ccf9/2a4a391e222b47feb9ddf544646428a2/output.tif" format="GTiff" createopt="TFW=YES,COMPRESS=LZW" --overwrite Cleaning up temporary files... Starting GRASS GIS... WARNING: Concurrent mapset locking is not supported on Windows Executing <C:/Users/pedro.venancio/AppData/Local/Temp/processing_0296f1191e9248e9828bd46e64a4ccf9/grassdata/grass_batch_job.cmd> ...[C:/Users/pedro.venancio/AppData/Local/Temp/processing_0296f1191e9248e9828bd46e64a4ccf9/grassdata/grass_batch_job.cmd> ... C:\OSGeo4W64\bin>chcp 65001 1>NUL C:\OSGeo4W64\bin>g.region n=0.0 s=0.0 e=0.0 w=0.0 res=100.0 ERROR: North must be larger than South C:\OSGeo4W64\bin>r.fillnulls input=rast_5bed4e3d900da3 method="rst" tension=40 smooth=0.1 edge=3 npmin=600 segmax=300 lambda=0.01 output=outputf5b1a64ddd0f455abcd3c3b8ce2285f4 --overwrite ERROR: Input map has no holes. Check region settings. Execution of <C:/Users/pedro.venancio/AppData/Local/Temp/processing_0296f1191e9248e9828bd46e64a4ccf9/grassdata/grass_batch_job.cmd> finished. .cmd> finished. Cleaning up temporary files...</pre>		

Press any key to continue . . .

Traceback (most recent call last):

File "C:/OSGEO4~1/apps/qgis-rel-dev/.python/plugins\processing\algs\grass7\Grass7Algorithm.py", line 413, in processAlgorithm

Grass7Utils.executeGrass(self.commands, feedback, self.outputCommands)

File "C:/OSGEO4~1/apps/qgis-rel-dev/.python/plugins\processing\algs\grass7\Grass7Utils.py", line 411, in executeGrass

startupinfo=si if isWindows() else None

File "C:/OSGEO4~1/apps/Python37/lib\subprocess.py", line 756, in __init__

restore_signals, start_new_session)

File "C:/OSGEO4~1/apps/Python37/lib\subprocess.py", line 1155, in _execute_child

startupinfo)

OSError: [WinError 87] O parâmetro está incorreto

Execution failed after 16.50 seconds

Loading resulting layers

The following layers were not correctly

generated.C:/Users/pedro.venancio/AppData/Local/Temp/processing_0296f1191e9248e9828bd46e64a4ccf9/2a4a391e222b47feb9

222b47feb9ddf544646428a2/output.tifYou can check the 'Log Messages Panel' in QGIS main window to find more

information about the execution of the algorithm.

The new r.mapcalculator (<https://github.com/qgis/QGIS/pull/8444>) have the same problem under Windows.

This seems somehow related with these already closed tickets: #16186 #20146 #20281

Associated revisions

Revision 42e30b65 - 2018-11-27 03:14 PM - Luigi Pirelli

Merge pull request #8557 from juanmpd/patch-1

Update Grass7Utils.py. Fixes #20632 #20502

History

#1 - 2018-11-27 10:28 AM - Juan Manuel Perez

Just to point that we also found a similar (perhaps duplicate) problem reported in #20632

#2 - 2018-11-27 11:50 AM - Pedro Venâncio

Further info here:

<https://github.com/qgis/QGIS/pull/8557>

#3 - 2018-11-27 03:14 PM - Luigi Pirelli

- % Done changed from 0 to 100

- Status changed from Open to Closed

Applied in changeset commit:qgis|42e30b652461992c6fa5d656581ba446f44e693f.

