

QGIS Application - Bug report #17080

Processing: saving to file results of SAGA raster tools do not work if input has a custom CRS

2017-08-27 06:12 PM - Mario Reyes

Status: Closed	
Priority: Normal	
Assignee: Victor Olaya	
Category: Processing/SAGA	
Affected QGIS version: 2.18.12	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution: not reproducible
Crashes QGIS or corrupts data:	Copied to github as #: 24979

Description

New description:

If input layer has a custom CRS (or any CRS that is not part of QGIS library) then saving the result of a raster tool (reclassify grid values, among the others) to a specific location causes the tool to fail with an error like the one posted in #17080-6

Strangely enough if the tool is left to output to a temporary layer then it works as expected.

Old description:

When I try to save the results obtained with SAGA Reclassify values tool to a permanent file I get an error. This is the log:

```
Load table: C:\Users\Leslie\AppData\Local\Temp\processinga468b416737649c0918e47e806f874d2\1503849288.772.txt...
```

```
Load grid:
```

```
C:\Users\Leslie\AppData\Local\Temp\processinga468b416737649c0918e47e806f874d2\b98c3d5f0201401fa5f6223495437ec8\pendientessrc\pendientessrc.sgrd...
```

```
Load table: C:\Users\Leslie\AppData\Local\Temp\processinga468b416737649c0918e47e806f874d2\1503849288.772.txt...
```

```
Parameters
```

```
Grid system: 30.405782; 1397x 1695y; 404070.708378x 261560.209710y
```

```
Grid: pendiente_src
```

```
Reclassified Grid: Reclassified Grid
```

```
Method: simple table
```

```
Lookup Table: (columns: 3, rows: 2)
```

```
operator: min
```

```
no data values: yes
```

```
new value: 0.000000
```

```
other values: yes
```

```
new value: 0.000000
```

```
Assign ...: NoData value of input grid
```

```
C:\PROGRA~1\QGIS2~1.18\bin>exit
```

```
Converting outputs
```

```
Cargando las capas resultantes
```

The following layers were not correctly generated.

Reclassified Grid

You can check the log messages to find more information about the execution of the algorithm

It works when the results are saved to a temporary file.

History

#1 - 2017-08-27 07:30 PM - Giovanni Manghi

- Status changed from Open to Feedback

Cannot confirm here (on Windows too). Please attach data and lookup table.

#2 - 2017-08-27 11:20 PM - Mario Reyes

- File *lookup_table.PNG* added

Giovanni Manghi wrote:

| Cannot confirm here (on Windows too). Please attach data and lookup table.

This is the raster file: <https://drive.google.com/open?id=0BxWWBxW4QOfdMXdFVE9HenZod2M>

The lookup table is in the attached image.

#3 - 2017-08-28 10:06 AM - Giovanni Manghi

| This is the raster file: <https://drive.google.com/open?id=0BxWWBxW4QOfdMXdFVE9HenZod2M>

what is the CRS of this raster? regardless, here choosing the outout name and location layer instead of outputting to a temp one works as expected.

#4 - 2017-08-28 11:10 PM - Mario Reyes

Giovanni Manghi wrote:

| This is the raster file: <https://drive.google.com/open?id=0BxWWBxW4QOfdMXdFVE9HenZod2M>

| what is the CRS of this raster? regardless, here choosing the outout name and location layer instead of outputting to a temp one works as expected.

I'm using a custom CRS for El Salvador:

```
+proj=lcc +lat_1=13.31666666666667 +lat_2=14.25 +lat_0=13.783333 +lon_0=-89 +x_0=500000 +y_0=295809.184 +k_0=0.99996704  
+ellps=clrk66 +units=m +no_defs +towgs84=0,125,194,0,0,0,0 +wktext
```

Thanks. I tested the tool in QGIS 2.14.3 in another computer and I got the same error. I don't know if it's a local issue, but I have tried saving the file in different locations and got the same result. It seems it's not reproducable tough.

#5 - 2017-08-29 01:55 PM - Giovanni Manghi

Thank. I tested the tool in QGIS 2.14.3 in another computer and I got the same error. I don't know if it's a local issue, but I have tried saving the file in different locations and got the same result. It seems it's not reproducible tough.

try o a clean environment: (back and) remove the .qgis2 folder and clean the windows registry entries for qgis.

#6 - 2017-09-04 04:28 AM - Mario Reyes

- File log_messages_panel.txt added

Giovanni Manghi wrote:

Thank. I tested the tool in QGIS 2.14.3 in another computer and I got the same error. I don't know if it's a local issue, but I have tried saving the file in different locations and got the same result. It seems it's not reproducible tough.

try o a clean environment: (back and) remove the .qgis2 folder and clean the windows registry entries for qgis.

I uninstalled QGIS and deleted the .qgis2 folder, also deleted the keys for QGIS in the Windows Registry. I installed QGIS again and tried using a diferent CRS (not a custom CRS). The problem still persists. It's not only for this tool, but also for other SAGA tools, like Fill Sinks (Wang & Liu). I have seen these problem in at least three Windows 10 machines with the same QGIS version and earlier versions. I attach the log from the log messages panel, where these messages appear:

```
C:\Program Files\QGIS 2.18\bin>exit
2017-09-03T19:22:24 2 Error loading result layer:
Traceback (most recent call last):
  File "C:/PROGRA~1/QGIS2~1.18/apps/qgis/.python/plugins/processing/gui/Postprocessing.py", line 77, in handleAlgorithmResults
    isRaster)
  File "C:/PROGRA~1/QGIS2~1.18/apps/qgis/.python/plugins/processing/tools/dataobjects.py", line 186, in load
    + "\nCheck the processing framework log to look for errors')
RuntimeError: Could not load layer: C:/Users/Leslie/Documents/Curso QGIS II/Practica 2 Analisis de datos
raster/datos_practica_2/test4.tif
Check the processing framework log to look for errors
```

One note is that in all the machines I have tried, the operating system is in spanish, don't know if it's relevant. Thanks.

#7 - 2017-09-04 03:43 PM - Giovanni Manghi

- Description updated

- Operating System deleted (Windows 10 32 bits)

- Status changed from Feedback to Open

- Subject changed from Problem saving to file results of SAGA Reclassify values tool to Processing: saving to file results of SAGA raster tools do not work if input has a custom CRS

#8 - 2017-09-07 01:37 AM - Jürgen Fischer

- Description updated

#9 - 2017-10-18 05:48 PM - Giovanni Manghi

- Status changed from Open to Feedback

Mario Reyes wrote:

| *Could not load layer: C:/Users/Leslie/Documents/Curso QGIS II/Practica 2 Analisis de datos raster/datos_practica_2/test4.tif*

try a shorter path, with no spaces, no special chars, etc.

#10 - 2017-10-22 05:01 PM - Mario Reyes

- File log.txt added

Giovanni Manghi wrote:

| *Mario Reyes wrote:*

| *Could not load layer: C:/Users/Leslie/Documents/Curso QGIS II/Practica 2 Analisis de datos raster/datos_practica_2/test4.tif*

| *try a shorter path, with no spaces, no special chars, etc.*

The result is the same. I attach the log file. I used a path with your suggestions.

#11 - 2017-10-23 08:52 AM - Giovanni Manghi

| *The result is the same. I attach the log file. I used a path with your suggestions.*

RuntimeError: Could not load layer: C:/Users/Public/test.tif

Check the processing framework log to look for errors

is your username "Public"? please try a path (with no spaces and special chars) that points to the user (folder) is being used to run qgis.

#12 - 2018-02-23 03:27 PM - Giovanni Manghi

- Resolution set to not reproducible

- Status changed from Feedback to Closed

Closing for lack of feedback, please reopen if necessary.

Files

lookup_table.PNG	6.14 KB	2017-08-27	Mario Reyes
log_messages_panel.txt	2.56 KB	2017-09-04	Mario Reyes
log.txt	5.63 KB	2017-10-22	Mario Reyes