

QGIS Application - Bug report #10463

Reclassify grid values - SAGA 2.1.2 has a new parameter

2014-06-04 10:33 AM - Pedro Venâncio

Status:	Closed	
Priority:	High	
Assignee:	Victor Olaya	
Category:	Processing/Core	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 18875
Description		
Reclassify grid values with SAGA 2.1.2 gives error, because this version has 2 new parameters: http://sourceforge.net/apps/trac/saga-gis/attachment/wiki/Changelog%202.1.2/changelog_saga_2.1.2.txt r1984 reklov_w Reclassify Grid Values: add new option to allow the assignment of a user defined NoData value to the output dataset <pre>Algorithm Reclassify grid values starting... grid_tools "Reclassify Grid Values" -INPUT "C:\Users\pedro\AppData\Local\Temp\processing\6e0fb1fd5ab0411a8b713cc62707d301\aa2003.sgrd" -METHOD 0 -OLD 1 -NEW 1 -SOPERATOR 0 -MIN 0 -MAX 1 -RNEW 2 -ROPERATOR 0 -RETAB "C:\Users\pedro\AppData\Local\Temp\processing\1401897077.515.txt" -TOperator 0 -NODATAOPT -NODATA 0 -OTHEROPT -OTHERS 0 -RESULT "D:/EUQ2014/Dados/resultados_3/aa_2003_teste.tif.sgrd" io_gdal 1 -GRIDS "D:/EUQ2014/Dados/resultados_3/aa_2003_teste.tif.sgrd" -FORMAT 4 -TYPE 0 -FILE "D:/EUQ2014/Dados/resultados_3/aa_2003_teste.tif" C:\PROGRA~1\QGISVA~1\bin>set SAGA=C:\saga_2.1.2_x64 C:\PROGRA~1\QGISVA~1\bin>set SAGA_MLB=C:\saga_2.1.2_x64\modules C:\PROGRA~1\QGISVA~1\bin>PATH=PATH;C:\saga_2.1.2_x64;C:\saga_2.1.2_x64\modules C:\PROGRA~1\QGISVA~1\bin>saga_cmd grid_tools "Reclassify Grid Values" -INPUT "C:\Users\pedro\AppData\Local\Temp\processing\6e0fb1fd5ab0411a8b713cc62707d301\aa2003.sgrd" -METHOD 0 -OLD 1 -NEW 1 -SOPERATOR 0 -MIN 0 -MAX 1 -RNEW 2 -ROPERATOR 0 -RETAB "C:\Users\pedro\AppData\Local\Temp\processing\1401897077.515.txt" -TOperator 0 -NODATAOPT -NODATA 0 -OTHEROPT -OTHERS 0 -RESULT "D:/EUQ2014/Dados/resultados_3/aa_2003_teste.tif.sgrd"</pre> <pre>##### ## ##### ## ### ### ## ### ### # ## ## ##### # ## ### ##### ## # ##### ##### # ## ##### # ##</pre> library path: C:\saga_2.1.2_x64\modules\grid_tools.dll library name: Grid - Tools tool name : Reclassify Grid Values author : Copyrights (c) 2005 by Volker Wichmann		

Load table: C:\\Users\\pedro\\AppData\\Local\\Temp\\processing\\1401897077.515.txt...

Load grid: C:\\Users\\pedro\\AppData\\Local\\Temp\\processing\\6e0fb1fd5ab0411a8b713cc62707d301\\aa2003.sgrd...
failed

Usage: saga_cmd grid_tools 15 -INPUT [-RESULT] [-METHOD] [-OLD] [-NEW] [-SOPERATOR] [-MIN] [-MAX] [-RNEW]
[-ROPERATOR] [-RETAB] [-TOPERATOR] [-RETAB_2] [-F_MIN] [-F_MAX] [-F_CODE] [-NODATAOPT] [-NODATA]
[-OTHEROPT] [-OTHERS] [-RESULT_NODATA_CHOICE] [-RESULT_NODATA_VALUE]

-INPUT: Grid

Grid (input)

-RESULT: Reclassified Grid

Grid (output)

-METHOD: Method

Choice

Available Choices:

[0] single

[1] range

[2] simple table

[3] user supplied table

Default: 0

-OLD: old value

Floating point

Default: 0.000000

-NEW: new value

Floating point

Default: 1.000000

-SOPERATOR: operator

Choice

Available Choices:

[0] =

[1]

[2]

[3] >=

[4] >

Default: 0

-MIN: minimum value

Floating point

Default: 0.000000

-MAX: maximum value

Floating point

Default: 10.000000

-RNEW: new value

Floating point

Default: 5.000000

-ROPERATOR: operator

Choice

Available Choices:

[0]

[1]

Default: 0

-RETAB: Lookup Table

Static table

3 Fields:

- 1. [8 byte floating point number] minimum
- 2. [8 byte floating point number] maximum
- 3. [8 byte floating point number] new

-TOPERATOR: operator

Choice

Available Choices:

[0] min

[1] min

[2] min

[3] min

Default: 0

-RETAB_2: Lookup Table

Table (optional input)

-F_MIN: minimum value

Table field

-F_MAX: maximum value

Table field

-F_CODE: new value

Table field

-NODATAOPT no data values

Boolean

Default: 0

-NODATA: new value

Floating point

Default: 0.000000

-OTHEROPT other values

Boolean

Default: 0

-OTHERS: new value

Floating point

Default: 0.000000

-RESULT_NODATA_CHOICE: Assign ...

Choice

Available Choices:

[0] NoData value of input grid

[1] user defined NoData value

Default: 0

-RESULT_NODATA_VALUE: NoData Value

Floating point

Default: -99999.000000

Error: Grid file could not be opened.

Error: input file [C:\\Users\\pedro\\AppData\\Local\\Temp\\processing\\6e0fb1fd5ab0411a8b713cc62707d301\\aa2003.sgrd]

Error: Grid

Error: executing tool [Reclassify Grid Values]

C:\\PROGRA~1\\QGISVA~1\\bin>saga_cmd io_gdal 1 -GRIDS "D:/EUQ2014/Dados/resultados_3/aa_2003_teste.tif.sgrd"

-FORMAT 4 -TYPE 0 -FILE "D:/EUQ2014/Dados/resultados_3/aa_2003_teste.tif"

##

```
### ## ## ##
### # ## ## ## ##
### ##### ## # #####
##### # ## ##### # ##
```

69 loaded tool libraries (671 tools):

- climate_tools
- contrib_perego
- db_odbc
- db_pgsqll
- docs_html
- docs_pdf
- garden_3d_viewer
- garden_fractals
- garden_games
- garden_learn_to_program
- garden_webservices
- grid_analysis
- grid_calculus
- grid_calculus_bsl
- grid_filter
- grid_gridding
- grid_spline
- grid_tools
- grid_visualisation
- imagery_classification
- imagery_opencv
- imagery_photogrammetry
- imagery_rga
- imagery_segmentation
- imagery_svm
- imagery_tools
- io_esri_e00
- io_gps
- io_grid
- io_grid_grib2
- io_grid_image
- io_shapes
- io_shapes_dxf
- io_shapes_las
- io_table
- io_virtual
- pj_georeference
- pj_geotrans
- pj_proj4
- pointcloud_tools
- pointcloud_viewer
- shapes_grid
- shapes_lines
- shapes_points
- shapes_polygons
- shapes_tools

- shapes_transect
- sim_cellular_automata
- sim_ecosystems_hugget
- sim_erosion
- sim_fire_spreading
- sim_hydrology
- sim_ihacres
- statistics_grid
- statistics_kriging
- statistics_points
- statistics_regression
- table_calculus
- table_tools
- ta_channels
- ta_compound
- ta_hydrology
- ta_lighting
- ta_morphometry
- ta_preprocessor
- ta_profiles
- ta_slope_stability
- tin_tools
- tin_viewer

type -h or --help for further information

Error: library

C:\PROGRA~1\QGISVA~1\bin>exit

Converting outputs

Loading resulting layers

Algorithm Reclassify grid values finished

-RESULT_NODATA_CHOICE: Assign ...

Choice

Available Choices:

[0] NoData value of input grid

[1] user defined NoData value

Default: 0

-RESULT_NODATA_VALUE: NoData Value

Floating point

Default: -99999.000000

The solution was simple by adding this 2 parameters, but the problem is that using these parameters with previous versions of SAGA, gives error because it does not recognize these parameters.

History

#1 - 2014-06-04 03:32 PM - Giovanni Manghi

- Status changed from Open to Feedback

Here on QGIS master (and 2.2) + SAGA 2.1.2 (saga_2.1.2_x64) it works. It seems to me that anyway this two parameters are not "important".

We can of course add them in a description file for SAGA 2.1.2 (assuming that we want to keep processing up to date with the latest SAGA release) and leave the actual one for SAGA 2.0.8.

#2 - 2014-06-05 03:33 PM - Pedro Venâncio

- *Status changed from Feedback to Closed*

Ok, I tested with master version and it works. It may be a local problem with QGIS 2.2.

Does not seem an option to take for now, since not all repositories have SAGA 2.1.2 available, and who uses SAGA 2.1.0 to 2.1.1 would encounter problems. In the future, if we find that the new parameters are important, we opened a feature request or submit a pull request.

Thanks Giovanni!

#3 - 2015-06-07 04:31 AM - Giovanni Manghi

- *Category changed from 94 to Processing/Core*