

QGIS Application - Bug report #18013

Incorrect GDAL parameters generated in Grid Interpolate tool (via menu or Processing)

2018-01-31 12:44 PM - Andy Harfoot

Status: Closed	
Priority: Normal	
Assignee: Giovanni Manghi	
Category: Processing/GDAL	
Affected QGIS version: 2.18.16	Regression?: No
Operating System: Windows 10 x64	Easy fix?: Yes
Pull Request or Patch supplied: No	Resolution: fixed/implemented
Crashes QGIS or corrupts data: No	Copied to github as #: 25909

Description

When the GDAL based Interpolate function is run, the GDAL command generated does not match the parameters chosen in the tool dialog:

The attached screenshot shows the menu based *Raster > Analysis > Grid (Interpolation)...* dialog configuration. This is using the IDW interpolator with output in GeoTIFF, however the command line generated is as follows:

```
gdal_grid -l BathyODN_BNG -a
invdist:power=2.0:smothing=0.0:radius1=0.0:radius2=0.0:angle=0.0:max_points=0:min_points=0:nodata=0.0 -of GMT
C:/Local/Advanced_QGIS/Exercises/Data/Vector/Bathy/BathyODN_BNG.shp C:/Local/BathyInterp_InvDist.tif
```

Note that the smoothing parameter is misspelled, and also the output format (-of) is set to 'GMT', not 'GTiff' as requested. The latter generates an error when the tool is run.

When the same command is executed through Processing *GDAL/OGR > [GDAL] Analysis > Grid (Inverse distance to a power)*, the same smothing -> smoothing typo is present, and the GDAL '-of' parameter is omitted entirely, meaning that a GeoTIFF is always generated regardless of the format and extension chosen in the dialog.

Associated revisions

Revision 6c398cab - 2018-02-01 06:57 PM - Alexander Bruy

[processing] fix typo in the parameter name (refs #18013)

Revision b8e69075 - 2018-02-01 07:01 PM - Alexander Bruy

[processing] pass '-of' parameter to gdal_grid algorithms (fix #18013)

History

#1 - 2018-01-31 12:49 PM - Giovanni Manghi

- Status changed from Open to Feedback

Try the equivalent tool in the Processing toolbox, "gdaltools" is not maintained anymore and has been dropped in QGIS3.

#2 - 2018-01-31 01:37 PM - Andy Harfoot

- Status changed from Feedback to Open

See the last paragraph in the original description - a similar set of errors arise in the equivalent Processing tool.

#3 - 2018-01-31 01:38 PM - Giovanni Manghi

- Assignee set to Giovanni Manghi
- Category changed from GDAL Tools to Processing/GDAL

#4 - 2018-02-01 07:02 PM - Alexander Bruy

- % Done changed from 0 to 100
- Status changed from Open to Closed

Applied in changeset commit:qgis|b8e69075a680ef9eed5f2e297680f982d7f0864b.

#5 - 2018-02-21 09:21 PM - Giovanni Manghi

- Resolution set to fixed/implemented

Files

Dialog.png	27.5 KB	2018-01-31	Andy Harfoot
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