QGIS Application - Bug report #20721
gdal:warpreproject missing old 'extra' param
2018-12-04 04:57 PM - Juan Manuel Perez

Status: Closed
Priority: High
Assignee: Alexander Bruy
Category: Processing/GDAL
Affected QGIS version: 3.5 (master)
Operating System:
Pull Request or Patch supplied: Yes
Crashes QGIS or corrupts data:

Regression?: Yes
Easy fix?: No
Resolution: fixed/implemented
Copied to github as #: 28541

Description

This issue seems related to #20586.

In QGIS 2.18 we were using "gdalogr:warpreproject" passing '-srcnodata {some_value} -dstalpha' as 'extra' param. The processing toolbox allowed setting it using the item 'Additional creation parameters'.

In our case, this 'extra' param was needed to correctly get the transparency on a given raster.

In QGIS 3.4 and 3.5 (master), this 'extra' argument is not available any more: nor in the dialog opened from the processing toolbox, nor in the arguments shown by processing.algorithmHelp("gdal:warpreproject")

So, with QGIS 3 we have lost the availability to pass gdal the extra params -srcnodata and -dstalpha.

Dirty workaround

By the way, we have found and we are using a quite dirty trick to have gdal receive this -srcnodata and -dstalpha parameters. We pass 'options' set with a value such as this:

    'COMPRESS=JPEG|JPEG_QUALITY=75|-dummyworkaround -srcnodata {} -dstalpha'

That, just by chance, seems that makes gdal receive a "-co -dummyworkaround" that is ignored, and then the -srcnodata and -dstalpha that we need...

04-12-2018 16:39:19 - gdalwarp -s_srs EPSG:32635 -t_srs EPSG:32635 -r near -ot Byte -of GTiff -co COMPRESS=JPEG -co JPEG_QUALITY=75 -co -dummyworkaround -srcnodata {} -dstalpha

Associated revisions

Revision bb2c3663 - 2019-01-21 11:39 PM - Alexander Bruy

[processing] add optional EXTRA parameter to gdalwarp algorithm (fix #20721)

This allows users to pass additional command-line arguments which are not exposed in the algorithm definition. The most frequent use case is enabling transparency and adding nodata values.
[processing] add optional EXTRA parameter to gdalwarp algorithm (fix #20721)

This allows users to pass additional command-line arguments which are not exposed in the algorithm definition. The most frequent use case is enabling transparency and adding no data values.

(cherry picked from commit bb2c3663b0033269b4720477a809b206d22cd899)

**History**

#1 - 2018-12-06 09:56 AM - Giovanni Manghi
- Category changed from GDAL Tools to Processing/GDAL
- Priority changed from Normal to High
- Assignee set to Giovanni Manghi

#2 - 2019-01-21 07:33 PM - Alexander Bruy
- Assignee changed from Giovanni Manghi to Alexander Bruy
- Pull Request or Patch supplied changed from No to Yes

PR [https://github.com/qgis/QGIS/pull/8930](https://github.com/qgis/QGIS/pull/8930)

#3 - 2019-01-21 11:39 PM - Alexander Bruy
- Status changed from Open to Closed
- % Done changed from 0 to 100

Applied in changeset commit:qgis|bb2c3663b0033269b4720477a809b206d22cd899.

#4 - 2019-01-22 07:19 AM - Alexander Bruy
- Resolution set to fixed/implemented