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
D:\users\jmperez\temp\newTpzLayer7offnjok\tmp_merged_via_virtual_raster.tif D:\users\jmperez\temp\newTpzFilemfoh41a0.tif
04-12-2018 16:39:19 - Warning 6: creation option '-dummyworkaround' is not formatted with the key=value format
04-12-2018 16:39:19 - Creating output file that is 269P x 177L.
04-12-2018 16:39:19 - Processing D:\users\jmperez\temp\newTpzLayer7offnjok\tmp_merged_via_virtual_raster.tif [1/1] : 0...10...20...30...40...50...60...70...80...90...Warning 1: TIFFReadDirectory:Sum of Photometric type-related color channels and ExtraSamples doesn't match SamplesPerPixel. Defining non-color channels as ExtraSamples. Doesn't match SamplesPerPixel. Defining non-color channels as ExtraSamples.
04-12-2018 16:39:19 - 100 - done.

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.
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(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

#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