**QGIS Application - Bug report #20721**
**gdal:warpreproject missing old 'extra' param**

2018-12-04 04:57 PM - Juan Manuel Perez

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>High</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Alexander Bruy</td>
</tr>
<tr>
<td>Category:</td>
<td>Processing/GDAL</td>
</tr>
<tr>
<td>Affected QGIS version:</td>
<td>3.5(master)</td>
</tr>
<tr>
<td>Regression?:</td>
<td>Yes</td>
</tr>
<tr>
<td>Easy fix?:</td>
<td>No</td>
</tr>
<tr>
<td>Resolution:</td>
<td>fixed/implemented</td>
</tr>
<tr>
<td>Copied to github as #:</td>
<td>28541</td>
</tr>
</tbody>
</table>

## 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
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. Don'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.

2021-08-01
Revision f74c280c - 2019-01-22 10:39 AM - 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.

(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