

## QGIS Application - Bug report #16044

### Raster: multiply causes NULLs to be painted in black

2017-01-06 01:15 AM - Paolo Cavallini

<b>Status:</b>	Closed	
<b>Priority:</b>	Severe/Regression	
<b>Assignee:</b>		
<b>Category:</b>	Symbology	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>	Debian	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 23959
<b>Description</b>  On current master, if I load a coloured TIFF, it is displayed correctly. If I change the blending mode to Multiply, the NULLs (0s) are displayed black, and they remain black even if I switch back to Blending=Normal. On 2.18, the same TIFF is displayed as expected. See attached file.		

#### Associated revisions

**Revision 632f9c58 - 2017-01-09 07:43 AM - Mathieu Pellerin - nIRV**

Fix for alphaBand and opacity loss upon renderer switch (style dock & properties window) (#3967)

- [styledock] maintain raster alpha band and opacity when switching renderer
- [raster] fix alphaBand/opacity loss when opening layer properties (fixes #16044)

#### History

**#1 - 2017-01-06 04:18 AM - Giovanni Manghi**

- Priority changed from Normal to Severe/Regression
- Target version set to Version 3.0

Please choose the appropriate priority/target version/etc when filing tickets.

**#2 - 2017-01-07 10:51 PM - Mathieu Pellerin - nIRV**

I can't reproduce on my system. Can you provide detailed steps to reproduce what your seeing?

**#3 - 2017-01-08 03:54 AM - Paolo Cavallini**

- load sample raster --> shown correctly
- Layer properties > Style > Blending mode > Multiply --> black areas appear
- Layer properties > Style > Blending mode > Normal --> black areas remain
- loading the same raster again --> shown correctly

Thanks for checking.

**#4 - 2017-01-08 03:54 AM - Paolo Cavallini**

Tested again, with freshly compiled master.

**#5 - 2017-01-08 04:40 AM - Mathieu Pellerin - nIRV**

Paolo, your going through the layer properties, not the style dock. Is that correct?

I suspect the problem has to do with the renderer losing track of the alphaBand value. When you see the black areas, try opening the style dock, go to the transparency tab and check whether the transparency band combo box is set to none (on your tif that'd be wrong) or "band 4 (alpha)".

**#6 - 2017-01-08 07:00 AM - Giovanni Manghi**

- Status changed from Open to Feedback

**#7 - 2017-01-08 09:04 AM - Paolo Cavallini**

Layer properties, correct.  
The transparency is set to Band4, switches to None when setting blending to multiplying. Setting it back to Band4 shows the raster as expected.  
Thanks.

**#8 - 2017-01-08 10:40 PM - Mathieu Pellerin - nIRV**

- Status changed from Feedback to Closed

Fixed in changeset commit:"632f9c582579590f13a849d4a9791b9dbb35449e".

**#9 - 2017-01-08 10:48 PM - Mathieu Pellerin - nIRV**

Paolo, np. It'd be useful if you can confirm the issue is gone on your machine.

**#10 - 2017-01-08 11:14 PM - Paolo Cavallini**

Confirmed, thanks a lot.

**Files**

temp_col.tif	258 KB	2017-01-06	Paolo Cavallini
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