

QGIS Application - Bug report #4794

Raster NULLs are coloured

2012-01-12 09:04 AM - Paolo Cavallini

Status: Closed	
Priority: Normal	
Assignee:	
Category: Rasters	
Affected QGIS version: master	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: fixed
Crashes QGIS or corrupts data: No	Copied to github as #: 14649
Description	
A loaded raster looks OK in greyscale. If I apply Pseudocolor, Freak out or Color map, the NULLs are (wrongly) coloured. Until recently it was not so.	

History

#1 - 2012-01-12 09:08 AM - Paolo Cavallini

Moreover, if I apply the transparency band to the raster (Band 1), the NULLs are transparent, but the raster looks weird.

#2 - 2012-01-13 12:06 PM - Giovanni Manghi

Please attach sample data.

#3 - 2012-01-14 12:49 AM - Paolo Cavallini

- File *clip_nulls* added

#4 - 2012-01-20 05:44 AM - Giovanni Manghi

After importing the attached sample raster into GRASS the NULLs are wrongly coloured, also when using the greyscale colormap.

#5 - 2012-01-22 03:58 PM - Giovanni Manghi

- File *float32.tif* added

- File *float64.tif* added

- File *int32.tif* added

- File *int16.tif* added

- File *clipped.tif* added

Another test:

imported the attached raster (*clipped.tif*) into GRASS and then with `r.null` made pixels with "0" value into NULLS. I then exported the GRASS raster with `r.out.gdal.tif` choosing different formats: `int16`, `int32`, `float32` and `float64`. After adding the resulting rasters into QGIS I see that NULLs are wrongly coloured just in the `int32` raster, while the in the others is correctly transparent.

#6 - 2012-01-22 03:59 PM - Giovanni Manghi

Giovanni Manghi wrote:

| After adding the resulting rasters into QGIS I see that NULLS are wrongly coloured just in the int32 raster.

also with the greyscale color map.

#7 - 2012-01-22 04:00 PM - Giovanni Manghi

- Subject changed from Raster NULLs are coloured in pseudocolor (etc.) mode to Raster NULLs are coloured

#8 - 2012-08-27 09:42 AM - Casey Vandenberg

- File blue_null_Value.png added

I am not sure if this is a related problem or not, although I suspect it is as the null values within raster layers I add to QGIS are also improperly coloured.

I have a series of raster layers in a grass database. When I add any of these raster layers using the Grass plugin, the null values are all coloured blue.

If I export the layers to a .tif + .tfw file, and add the tif into QGIS, the null values are handled correctly and appear transparent.

I have seen this problem at work on machines running 11.04, 12.04 on Linux and Windows

#9 - 2012-08-27 09:55 AM - Giovanni Manghi

- Status changed from Open to Feedback

This issue should have been fixed in qgis master, please try and report back.

#10 - 2012-09-04 12:10 PM - Paolo Cavallini

- Target version set to Version 2.0.0

#11 - 2012-10-04 03:17 PM - Giovanni Manghi

- Status changed from Feedback to Closed

- Resolution set to fixed

This is fixed in master. Please reopen if necessary.

Files

clip_nulls	59.8 KB	2012-01-13	Paolo Cavallini
clipped.tif	1010 KB	2012-01-22	Giovanni Manghi
int16.tif	1010 KB	2012-01-22	Giovanni Manghi
int32.tif	1.97 MB	2012-01-22	Giovanni Manghi
float32.tif	1.97 MB	2012-01-22	Giovanni Manghi
float64.tif	3.94 MB	2012-01-22	Giovanni Manghi
blue_null_Value.png	151 KB	2012-08-27	Casey Vandenberg