

QGIS Application - Bug report #643

GeoTIFF created with GRASS r.out.gdal do not display in QGIS

2007-03-09 03:04 PM - Redmine Admin

Status:	Closed	
Priority:	Low	
Assignee:	nobody -	
Category:	GRASS	
Affected QGIS version:		Regression?: No
Operating System:	All	Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed
Crashes QGIS or corrupts data:		Copied to github as #: 10702
Description		
<p>Example:</p> <p>I have exported a [[GeoTIFF]] from GRASS, using r.out.gdal.</p> <p>In the famous spearfish60 location:</p> <pre>g.region rast=vegcover r.out.gdal input=vegcover format=GTiff type=Byte output=vegcover.tif</pre> <p>The vegcover.tif looks OK in the gdalinfo output. It displays fine in [[OpenEV]] and GIMP. I can load it back into GRASS with r.in.gdal - values, extent and color table all are preserved.</p> <p>QGIS however does not display anything after loading it. The map canvas extent and coordinates seem to be set according to raster extent and location, though. I can query the raster and reasonable values are reported. The problem is nothing is visible. No errors printed to the console AFAICT.</p> <p>The [[GeoTIFF]] is attached.</p> <p>Maciek</p>		

Associated revisions

Revision 8db6a976 - 2007-03-11 10:09 AM - Magnus Homann

Ignoring color ramps from 0.0 to 0.0 to be able to draw malformed TIFFs. Fixes #643

git-svn-id: http://svn.osgeo.org/qgis/branches/Release-0_8_0@6794 c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2007-03-10 03:01 AM - Magnus Homann

The tiff has a GRASS color table that is zero. See:

```
$ gdalinfo vegcover.tif | grep COLOR
```

It's unclear what color tabel should have precedence, or if this is a malformed TIFF.

#2 - 2007-03-11 01:10 AM - Magnus Homann

- Resolution set to fixed

- Status changed from Open to Closed

The excerpt below shows the metadata. I have changed qgis to ignore any ramps from 0.0 to 0.0. Hopefully, this doesn't break anything, while still allow malformed TIFF to be displayed. Fixed in .

```
Driver: GTiff/GeoTIFF
Size is 190, 140
Coordinate System is:
PROJCS["unnamed",
  GEOGCS["NAD27",
    DATUM["North_American_Datum_1927",
      SPHEROID["Clarke 1866",6378206.4,294.9786982138982,
        AUTHORITY["EPSG""7008]],
        AUTHORITY["EPSG""6267]],
        PRIMEM["Greenwich]],
        UNIT["degree]],
        AUTHORITY["EPSG""4267]],
      PROJECTION["Transverse_Mercator]],
      PARAMETER["latitude_of_origin]],
      PARAMETER["central_meridian]],
      PARAMETER["scale_factor]],
      PARAMETER["false_easting]],
      PARAMETER["false_northing]],
      UNIT["metre",1,
        AUTHORITY["EPSG""9001]],
        AUTHORITY["EPSG""26713]]
Origin = (590000.0000000000000000,4928000.0000000000000000)
Pixel Size = (100.0000000000000000,-100.0000000000000000)
Metadata:
  AREA_OR_POINT=Area
Corner Coordinates:
Upper Left ( 590000.000, 4928000.000) (103d52'4.42"W, 44d30'5.97"N)
Lower Left ( 590000.000, 4914000.000) (103d52'13.17"W, 44d22'32.31"N)
Upper Right ( 609000.000, 4928000.000) (103d37'44.25"W, 44d29'56.54"N)
Lower Right ( 609000.000, 4914000.000) (103d37'54.84"W, 44d22'22.93"N)
Center ( 599500.000, 4921000.000) (103d44'59.16"W, 44d26'14.67"N)
Band 1 Block=190x43 Type=Byte, [[ColorInterp]]=Palette
[[NoData]] Value=255
Metadata:
  COLOR_TABLE_RULES_COUNT=6
  COLOR_TABLE_RULE_RGB_0=0.000000e+00 0.000000e+00 0 0 0 0 0
  COLOR_TABLE_RULE_RGB_1=0.000000e+00 0.000000e+00 0 0 0 0 0
  COLOR_TABLE_RULE_RGB_2=0.000000e+00 0.000000e+00 0 0 0 0 0
  COLOR_TABLE_RULE_RGB_3=0.000000e+00 0.000000e+00 0 0 0 0 0
  COLOR_TABLE_RULE_RGB_4=0.000000e+00 0.000000e+00 0 0 0 0 0
  COLOR_TABLE_RULE_RGB_5=0.000000e+00 0.000000e+00 0 0 0 0 0
Color Table (RGB with 256 entries)
0: 0,0,0,255
1: 255,0,0,255
2: 255,255,0,255
```

3: 255,128,0,255
4: 0,0,255,255
5: 255,0,255,255
6: 0,255,0,255
7: 0,0,0,255
8: 0,0,0,255
9: 0,0,0,255
10: 0,0,0,255
11: 0,0,0,255

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#3 - 2007-03-14 12:25 PM - Redmine Admin

Thanks for the fix. It works. In the meantime Glynn Clements fixed the issue in GRASS 6.3 CVS, so r.out.gdal [[GeoTIFF]] output has proper colortable and displays fine even without the hack.

Maciek

#4 - 2009-08-22 12:51 AM - Anonymous

Milestone Version 0.8.1 deleted

Files

vegcover.tif	36.2 KB	2007-03-09	Redmine Admin
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