

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		
Example: I have exported a [[GeoTIFF]] from GRASS, using r.out.gdal. In the famous spearfish60 location: <pre>g.region rast=vegcover r.out.gdal input=vegcover format=GTiff type=Byte output=vegcover.tif</pre> 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. 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. The [[GeoTIFF]] is attached. Maciek		

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, thsi 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 = (100.000000000000000,-100.000000000000000)
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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