

QGIS Application - Bug report #14183

Red channel ignored in freshly loaded raster file

2016-01-27 08:30 AM - Richard Duivenvoorde

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Nyall Dawson	
<b>Category:</b>	Rasters	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>	Ubuntu 14.04 LTS	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 22185

Description

If I load rasters sometimes the Red-channel is not shown.

Debian Testing, QGIS Master and 2.8, self compiled here

If I load the attached jpg file (an old map scan/image), it shows up greenish (as in My greenish map)...

Opening the properties of the file then, and going to style, I see render type: Multiband color, but Red band is 'Not set'.

Setting it to Band 1 (Red) and my image shows up normal again.

Not sure what it is, I first thought it was my image, but now I have it with all images I load.

Below is gdalinfo of the attached image. Which also sees normal RGB bands??

It looks like it misses a channel at first or so?

```
gdalinfo van-deventer-1560.jpg
Driver: JPEG/JPEG JFIF
Files: van-deventer-1560.jpg
Size is 1624, 1549
Coordinate System is ``
Metadata:
  EXIF_ComponentsConfiguration=0x1 0x2 0x3 00
  EXIF_DateTime=2014:07:03 20:33:10
  EXIF_DateTimeDigitized=2014/07/03 20:27:36
  EXIF_DateTimeOriginal=2014:07:03 20:33:10
  EXIF_ExifVersion=0221
  EXIF_FlashpixVersion=0100
  EXIF_Make=Canon
  EXIF_Model=Canon MG3500 series Network
  EXIF_Orientation=1
  EXIF_PixelXDimension=1624
  EXIF_PixelYDimension=1549
  EXIF_ResolutionUnit=2
  EXIF_Software=My Image Garden
  EXIF_XResolution=(300)
  EXIF_YCbCrPositioning=1
  EXIF_YResolution=(300)
Image Structure Metadata:
  COMPRESSION=JPEG
```

INTERLEAVE=PIXEL  
SOURCE\_COLOR\_SPACE=YCbCr  
Corner Coordinates:  
Upper Left ( 0.0, 0.0)  
Lower Left ( 0.0, 1549.0)  
Upper Right ( 1624.0, 0.0)  
Lower Right ( 1624.0, 1549.0)  
Center ( 812.0, 774.5)  
Band 1 Block=1624x1 Type=Byte, ColorInterp=Red  
Overviews: 812x775, 406x388, 203x194  
Image Structure Metadata:  
COMPRESSION=JPEG  
Band 2 Block=1624x1 Type=Byte, ColorInterp=Green  
Overviews: 812x775, 406x388, 203x194  
Image Structure Metadata:  
COMPRESSION=JPEG  
Band 3 Block=1624x1 Type=Byte, ColorInterp=Blue  
Overviews: 812x775, 406x388, 203x194  
Image Structure Metadata:  
COMPRESSION=JPEG

## History

### #1 - 2016-01-27 08:31 AM - Richard Duivenvoorde

- File *van-deventer-1560.jpg* added
- File *greenish.png* added

### #2 - 2016-01-27 09:26 AM - Nyal Dawson

- Assignee set to Nyal Dawson

### #3 - 2016-02-03 09:44 PM - Nyal Dawson

- Status changed from Open to Feedback

How often can you trigger this? Can you screenshot your raster settings from options?

### #4 - 2016-02-05 03:34 AM - Richard Duivenvoorde

- File *Options\_\_\_Rendering\_025.png* added

Hi Nyal, thanks for taking this.

It was 100% triggered, BUT... starting QGIS with a 100% fresh configuration with  
qgis --config-path /tmp  
it was ok...

Which make me look into the settings, and I found that in the 'Rendering' part I had apparently a 5 in the RGB bad selection...  
Not sure where I got this one from though...  
Is it possible to have a 5 there (for RGB) anyway?

Anyway, not an issue (anymore), will close it.

#5 - 2016-02-05 03:34 AM - Richard Duivenvoorde

- Status changed from Feedback to Closed

Files

greenish.png	720 KB	2016-01-27	Richard Duivenvoorde
van-deventer-1560.jpg	2.5 MB	2016-01-27	Richard Duivenvoorde
Options___Rendering_025.png	121 KB	2016-02-05	Richard Duivenvoorde