

QGIS Application - Bug report #14183

Red channel ignored in freshly loaded raster file

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

| | |
|--|-------------------------------------|
| Status: Closed | |
| Priority: Normal | |
| Assignee: Nyall Dawson | |
| Category: Rasters | |
| Affected QGIS version: master | Regression?: No |
| Operating System: | Easy fix?: No |
| Pull Request or Patch supplied: | Resolution: |
| Crashes QGIS or corrupts data: | Copied to github as #: 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 - Nyall Dawson

- Assignee set to *Nyall Dawson*

#3 - 2016-02-03 09:44 PM - Nyall 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 Nyall, 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 |