

QGIS Application - Bug report #4138

After selecting a specific band in raster properties, the dropdown in the style tab reverts always to "band1"

2011-08-04 01:36 PM - Thaddeus -

Status:	Closed	
Priority:	High	
Assignee:		
Category:	Rasters	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	Yes	Resolution: fixed
Crashes QGIS or corrupts data:	No	Copied to github as #: 14118
Description		
QGIS 1.7.0 Wroclaw under Win. Very tricky: cannot tell which of the many bands on a given layer is being displayed: cannot find any icon/name/info anywhere except under "Layer -> Properties -> Style, Single band properties" which shows the wrong band, always "Band 1" and sneakily modifies user chosen Band to always be "Band 1" if pressing OK/Apply, even when using other tabs like "Metadata".		

Associated revisions

Revision a6df30c9 - 2012-01-15 11:38 AM - Alexander Bruy

display real band number for multiband rasters when single band gray
drawing style used (patch by Bill Clay, fix #4138)

Revision cf41e6c0 - 2012-01-15 11:39 AM - Alexander Bruy

display real band number for multiband rasters when single band gray
drawing style used (patch by Bill Clay, fix #4138)

History

#1 - 2011-08-04 01:38 PM - Thaddeus -

- File QGIS_Main_Window.png added

#2 - 2011-08-04 01:39 PM - Thaddeus -

- File Composer.png added

#3 - 2011-08-04 01:39 PM - Thaddeus -

- File PDF_Printout.png added

#4 - 2011-08-05 11:06 AM - Goyo D

- Category set to GUI

Confirmed in 1.8.0-trunk (Ubuntu Natty).

#5 - 2011-08-15 06:58 AM - Bill Clay

Here is a fix. I apologize, but it was easier to fix the bug than for this git virgin to figure out how to make git create a patch file (even after reading the QGIS coding document). Guess it's time for me to graduate from SVN. Sorry!

```
diff --git a/src/app/qgsrasterlayerproperties.cpp b/src/app/qgsrasterlayerproperties.cpp
index 8e65d27..326644e 100644
--- a/src/app/qgsrasterlayerproperties.cpp
+++ b/src/app/qgsrasterlayerproperties.cpp
@@ -731,6 +731,7 @@ void QgsRasterLayerProperties::sync()
     cboRed->setCurrentIndex( cboRed->findText( mRasterLayer->redBandName() ) );
     cboGreen->setCurrentIndex( cboGreen->findText( mRasterLayer->greenBandName() ) );
     cboBlue->setCurrentIndex( cboBlue->findText( mRasterLayer->blueBandName() ) );
+    cboGray->setCurrentIndex( cboGray->findText( mRasterLayer->grayBandName() ) );

    //Display the current default contrast enhancement algorithm
    mDefaultContrastEnhancementAlgorithm = myQSettings.value( "/Raster/defaultContrastEnhancementAlgorithm", "NoEnhancement"
    ).toString();
```

#6 - 2011-08-15 07:04 AM - Giovanni Manghi

- Pull Request or Patch supplied changed from No to Yes
- Assignee set to Tim Sutton

#7 - 2011-08-15 07:06 AM - Bill Clay

The above one-line patch does NOT report the selected band information in metadata as Thaddeus, the original reporter, requested. It does, however, show the (correctly-remembered) selected band in the raster layer properties dialog, style tab, gray band field for single-band gray layers.

#8 - 2011-10-06 05:05 AM - Giovanni Manghi

Hi Thaddeus, I can confirm the issue. Nevertheless I found not very handy to have many notes/feature_requests/described_issues embedded in the QGIS project you attached to this ticket. Please open proper tickets (one for each issue/feature request), describing everything in the "description" field, and attaching screenshot/sample data just to allow understand better the issue.

Tim: the issue is confirmed, while setting the raster to "single band" and selecting one the bands, in the raster properties it reverts always to "band1" (but QGIS is actually rendering a different band, the one selected before by the user). If the attached patch works I suggest to commit it ASAP. I confirmed the issue on qgis-trunk on Ubuntu.

Thaddeus, about the other issues you have described with annotations in the attached qgis project:

- I cannot replicate this "_~300KB of input data produces 3MB PDF printout --just 100dpi: many repeated useless Stream images and bloated/corrupted PS code?_": on my pc (qgis-trunk/Ubuntu Linux) your project results in a 250kb PDF at 100dpi (printed as vector) and 200kb if printed as raster.
- I cannot understand this "_Printing this as a vector PDF does not work: it prints an extremely-bloated wrong-coordinates raster PDF file?_" and also this "_New Feature: screen scale value exposed to the SQL queries on layers would be very nice._"
- The following feature request make sense and I will open a proper ticket for it: "_How can I tell which of the many Bands on this layer is being displayed? Please print indication on "Metadata" and many other places!_"

#9 - 2011-10-06 05:05 AM - Giovanni Manghi

- Category changed from GUI to Rasters

#10 - 2011-10-06 05:12 AM - Giovanni Manghi

- Subject changed from *Unable to keep raster band, always defaulting to Band 1.* to *After selecting a specific band in raster properties, the dropdown in the style tab reverts always to "band1"*

#11 - 2011-10-06 05:26 AM - Giovanni Manghi

- *The following feature request make sense and I will open a proper ticket for it: "_How can I tell which of the many Bands on this layer is being displayed? Please print indication on "Metadata" and many other places!_"*

see #4353

#12 - 2011-10-06 09:14 AM - Thaddeus -

Hi Giovanni, sorry about the confusion: all the notes and comments on the QGIS canvas screenshot were mainly taking notes for myself, I'm pretty sure I made bug reports for most/each of those issues, but, for some reason, they do not show on my Redmine profile --may have been reported before Redmine era.

Please see: Bug #3466, Feature #4144, Feature #4145, Bug #3028 (duplicate of #3448).

Bug #3466 Extremely Bloated PDF Vector Export under Win.

Feature #4144 New Feature: show Raster Band number on Layer Panel entries.

Feature #4145 New Feature: expose map scale to SQL queries (under "Layer Properties").

Bug #3028 Displacement between vector and WMS layers after printing

#13 - 2011-11-14 01:55 PM - Alister Hood

Is there any reason Bill's patch can't be applied?

It works fine.

#14 - 2011-11-18 09:08 AM - Giovanni Manghi

Alister Hood wrote:

Is there any reason Bill's patch can't be applied?
It works fine.

I agree, and the bug is really annoying. :)

#15 - 2011-11-21 09:37 AM - Thaddeus -

What's the target version ? I just tried 1.7.2 and still forgets the raster band selection.

#16 - 2011-12-16 02:12 PM - Giovanni Manghi

- Target version set to Version 1.7.4

#17 - 2011-12-30 06:02 AM - Giovanni Manghi

- Affected QGIS version set to master
- Assignee deleted (Tim Sutton)
- Priority changed from Normal to 6
- Crashes QGIS or corrupts data set to No

This is still confirmed on master and very annoying. Can someone review the patch and apply it?

#18 - 2012-01-15 02:45 AM - Alexander Bruy

- % Done changed from 0 to 100
- Status changed from Open to Closed

Fixed in changeset commit:"a6df30c99fd9520a96fa3e8bbbed2d78a22e327e3".

#19 - 2012-01-15 02:50 AM - Alexander Bruy

- Resolution set to fixed

Files

TestData__Single_band_properties__LayerMisplacement.zip	173 KB	2011-08-04	Thaddeus -
QGIS_Main_Window.png	44.4 KB	2011-08-04	Thaddeus -
Composer.png	24 KB	2011-08-04	Thaddeus -
PDF_Printout.png	60 KB	2011-08-04	Thaddeus -