

## QGIS Application - Bug report #9641

### on qgis master (2.3) 1-band raster rendering in grayscale with contrast enhancement is semi-broken

2014-02-24 06:09 PM - Mathieu Pellerin - nIRV

|  |                                     |
|--|-------------------------------------|
| <b>Status:</b> Closed  |                                     |
| <b>Priority:</b> Severe/Regression   |                                     |
| <b>Assignee:</b> Martin Dobias   |                                     |
| <b>Category:</b> Rasters   |                                     |
| <b>Affected QGIS version:</b> master   | <b>Regression?:</b> No              |
| <b>Operating System:</b>   | <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> 18213 |
| <b>Description</b>   |                                     |
| <p>In qgis master (2.3), 1-band raster rendering in grayscale <i>with contrast enhancement</i> produces visual artifacts all over the place. See attached screenshots comparing proper rendering (under 2.2) and broken rendering (under 2.3).</p>   |                                     |
| <p>Steps to reproduce:</p> <ol style="list-style-type: none"><li>1. Load the attached tatam.tif raster</li><li>2. If your default setting enables contrast enhancement, you should already see artifacts, otherwise continue with the remaining steps</li><li>3. Open the layer property window, and go to the style tab</li><li>4. Make sure the settings are as follow:<ul style="list-style-type: none"><li>-- Rendering type: singleband gray</li><li>-- Color gradient: black to white</li><li>-- Min: 65.7422</li><li>-- Max: 222.129</li><li>-- Contrast enhancement: Stretch to MinMax</li></ul></li><li>5. Apply those settings to make the artifacts appear</li><li>6. You can disable/enable the contrast enhancement to see the proper vs broken rendering</li></ol> |                                     |
| <p>This must be caused by the multi-threading rendering, can't see anything else between 2.2 and 2.3 that could cause this.</p>  |                                     |

#### Associated revisions

Revision 71a799f0 - 2014-02-25 10:03 AM - Martin Dobias

Fix #9641 (broken contrast enhancement)

#### History

#1 - 2014-02-24 06:11 PM - Nathan Woodrow

- Tag set to MTR

#2 - 2014-02-25 01:03 AM - Martin Dobias

- Status changed from Open to Closed

Fixed in changeset commit:"71a799f0c19994444f1e05e7b49bae378f215a70".

#### Files

|                                     |        |            |                         |
|-------------------------------------|--------|------------|-------------------------|
| hillshade-raster-qgis2.2-ok.png     | 294 KB | 2014-02-24 | Mathieu Pellerin - nIRV |
| hillshade-raster-qgis2.3-broken.png | 305 KB | 2014-02-24 | Mathieu Pellerin - nIRV |

