

QGIS Application - Bug report #5847

Setting Options>Rendering>Contrast Enhancement has no effect.

2012-06-21 09:24 PM - cgsbob -

Status: Closed	
Priority: Normal	
Assignee: Marco Hugentobler	
Category: Rasters	
Affected QGIS version: master	Regression?: No
Operating System: 64bit Ubuntu	Easy fix?: No
Pull Request or Patch supplied: No	Resolution:
Crashes QGIS or corrupts data: No	Copied to github as #: 15317

Description

I'm on master e816b37. When I loaded a 32 bit geotiff, it was rendered in grey. I changed Options>Rendering>Contrast Enhancement to "Stretch and clip to MinMax", and loaded another geotiff and it was grey too.

So, I quit qgis and restarted it, then verified that Options>Rendering>Contrast Enhancement was still set to "Stretch and clip to MinMax". I loaded a geotiff and once again it is rendered grey. The rasters Style>Contrast Enhancement displays "No Enhancement" and the min/max displays as $-3.40282e+38/3.40282e+38$. Changing the Style>Contrast Enhancement to "Stretch and clip to MinMax" and load the actual (or estimated) min/max gives me a min/max of 2.56715/1911.83, and the raster is rendered into a nice grey scale image.

Here is info on my raster:

```
$ gdalinfo -mm cat_dem.tif
Driver: GTiff/GeoTIFF
Files: cat_dem.tif
       cat_dem.tif.ovr
       cat_dem.tif.aux.xml
Size is 9890, 7065
Coordinate System is:
PROJCS["NAD83 / California zone 5",
  GEOGCS["NAD83",
    DATUM["North_American_Datum_1983",
      SPHEROID["GRS 1980",6378137,298.2572221010002,
        AUTHORITY["EPSG","7019"]],
      TOWGS84[0,0,0,0,0,0,0],
        AUTHORITY["EPSG","6269"]],
    PRIMEM["Greenwich",0],
    UNIT["degree",0.0174532925199433],
    AUTHORITY["EPSG","4269"]],
  PROJECTION["Lambert_Conformal_Conic_2SP"],
  PARAMETER["standard_parallel_1",35.46666666666667],
  PARAMETER["standard_parallel_2",34.03333333333333],
  PARAMETER["latitude_of_origin",33.5],
  PARAMETER["central_meridian",-118],
  PARAMETER["false_easting",6561666.666666667],
  PARAMETER["false_northing",1640416.666666667],
  UNIT["US survey foot",0.3048006096012192,
    AUTHORITY["EPSG","9003"]]]]
Origin = (6373218.661568500101566,1636985.589801950147375)
Pixel Size = (9.842519699999997,-9.842519699999997)
Metadata:
```

AREA_OR_POINT=Area

Image Structure Metadata:

INTERLEAVE=BAND

Corner Coordinates:

Upper Left (6373218.662, 1636985.590) (118d37' 4.67"W, 33d29'20.33"N)

Lower Left (6373218.662, 1567448.188) (118d36'59.64"W, 33d17'52.53"N)

Upper Right (6470561.181, 1636985.590) (118d17'55.53"W, 33d29'24.72"N)

Lower Right (6470561.181, 1567448.188) (118d17'53.10"W, 33d17'56.91"N)

Center (6421889.921, 1602216.889) (118d27'28.24"W, 33d23'39.00"N)

Band 1 Block=9890x1 Type=Float32, ColorInterp=Gray

Description = lariat_dem

Min=-7.394 Max=2103.129 Computed Min/Max=-7.394,2103.129

Minimum=-7.394, Maximum=2103.129, Mean=660.177, StdDev=495.194

NoData Value=-3.4028234663852886e+38

Overviews: 4945x3533, 2473x1767, 1237x884, 619x442, 310x221, 155x111, 78x56

Metadata:

LAYER_TYPE=athematic

RepresentationType=athematic

STATISTICS_MAXIMUM=2103.1293945312

STATISTICS_MEAN=660.17715431802

STATISTICS_MINIMUM=-7.3936886787415

STATISTICS_STDDEV=495.19442690445

History

#1 - 2012-06-22 07:30 AM - Marco Hugentobler

- Status changed from Open to Closed

Fixed now in master (duplicate of ticket #5797)