QGIS Application - Feature request #10886
relative color tables for raster data

2014-07-14 02:28 AM - Otto Dassau

Status:	Open		
Priority:	Normal		
Assignee:			
Category:	Symbology		
Pull Request or Patch supplied:	No	**Resolution:**	
Easy fix?:	No	**Copied to github as #:**	19254

Description

Hi,

I would nice, to be able to create relative color tables for raster data in QGIS and save them for other layers. Newly defined gradient color ramps end up in a color table with fix values:

for example:

1. QGIS Generated Color Map Export File
   INTERPOLATION:INTERPOLATED
   6.916,0,191,191,255,6.916000
   120.812,0,255,0,255,120.811600
   234.707,255,255,0,255,234.707200
   348.603,255,127,0,255,348.602800
   462.498,191,127,63,255,462.498400
   576.394,20,20,20,255,576.394000

it would be great to save it as relative color values, as defined in the gradient color ramps dialog.

1. QGIS Generated Color Map Export File
   INTERPOLATION:INTERPOLATED
   0%,0,191,191,255
   10%,0,255,0,255
   30%,255,255,0,255
   60%,255,127,0,255
   80%,191,127,63,255
   100%,20,20,20,255

and even better would be the option to create a mixed color table with fix values and percentage.

1. QGIS Generated Color Map Export File
   INTERPOLATION:INTERPOLATED
   0,0,191,191,255
   60,0,255,0,255
   30%,255,255,0,255
   300,255,127,0,255
   80%,191,127,63,255
   100%,20,20,20,255

Is it possible to define such color tables in a text file and import it for
a raster layer? Or how would this be done?

Thanks a lot
Otto

History

#1 - 2014-07-14 02:33 AM - Paolo Cavallini

also the reverse should be done: currently when applying a colour ramp to a raster, this gets stretched from min-max, which is not always appropriate (e.g. DTM ramps should be applied as absolute values, so that top of hills should not be white).

In short, I think we should extend our model for ramps, allowing users to define both absolute and relative ramps, both when creating and when applying them.

GRASS could be a good guide for this.

#2 - 2017-05-01 12:47 AM - Giovanni Manghi

- Easy fix? set to No