

QGIS Application - Bug report #13707

Data dependent styling of vector layers broken after upgrade to 2.12 from 2.10

2015-10-29 05:30 AM - David Trethewey

Status:	Closed	
Priority:	Normal	
Assignee:	Nyall Dawson	
Category:	Symbology	
Affected QGIS version:	master	Regression?: No
Operating System:	Linux	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 21734
Description		
<p>I recently upgraded to QGIS 2.12 from 2.10 on Ubuntu 15.04 and one of my projects lost the data dependent overrides on the linewidth and colour of a line pattern fill of a vector layer.</p> <p>I have a digital elevation model which I segmented and processed to a vector polygon layer, and used the average slope, slope direction, and curvature from the attribute table to style a line pattern fill, and an SVG marker line pattern fill.</p> <p>This drew arrows in the downslope direction, which were thicker for steeper slopes, and coloured according to the longitudinal curvature. An example can be seen at my blog: [[http://skrifennow.blogspot.co.uk/2015/10/a-greyscale-version-of-my-maps-in.html]]</p> <p>I use the following expressions:</p> <p>for colour: case when RAT_LngtCrv_Mean > 0 then color_rgb(min(255,255*5*RAT_LngtCrv_Mean),0,0) else color_rgb(0,0,min(255,-255*5*RAT_LngtCrv_Mean)) end</p> <p>for linewidth (using map units - metres): case when RAT_Slope_deg_Mean > 2.25 then max(20*((RAT_Slope_deg_Mean - 2.25)/ 90),0.4) else 0.0001 end</p> <p>for size of the SVG arrow: case when "RAT_Slope_deg_Mean" > 2.25 then max(75*sqrt((RAT_Slope_deg_Mean - 2.25)/ 90),5) else 0.0001 end</p> <p>for angle (working): 90 - RAT_Aspect_deg_mean</p> <p>However after upgrading to QGIS 2.10, the data dependent styling of the line fill has disappeared as seen in the attached file. There is only the default black colour and linewidth, although the slope direction still works.</p> <p>I am wondering if this is a bug?</p>		

Associated revisions

Revision 2ac59332 - 2015-11-03 08:56 PM - Nyall Dawson

Fix data defined overrides for sub symbols in line and marker fill are not being applied (fix #13707)

Revision 9e84fcaf - 2015-11-04 06:03 AM - Nyall Dawson

Followup 2ac5933 with more data defined fixes

2ac5933 fixed the regression in 2.12, but there were more underlying issues from <2.8 causing sub symbols with data defined properties

to be ignored.

Add some tests.

(refs #13707)

Revision 6bb6929c - 2015-11-18 10:47 AM - Nyal Dawson

Fix data defined overrides for sub symbols in line and marker fill
are not being applied (fix #13707)

(cherry-picked from 2ac59332130186d891635f01c6c7677685716863)

Revision ce2a84d6 - 2015-11-18 10:47 AM - Nyal Dawson

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(cherry-picked from 9e84fcfd8597846367a7417ce0ce77f7a4ca587)

History

#1 - 2015-10-29 11:11 AM - David Trethewey

- File *qgis212-bugtest-vecpoly-linepattern-minimumexample.zip* added

#2 - 2015-10-29 11:24 AM - David Trethewey

- File *qgis212-bugtest-vecpoly-linepattern-lessminimalexample.zip* added

#3 - 2015-10-29 04:07 PM - David Trethewey

- File *qgis212-bugtest-vecpoly-linepattern-lessminimalexample.zip* added

#4 - 2015-10-29 04:09 PM - David Trethewey

I just replaced the example project, because the expression for the size of the arrow was incorrect, unfortunately I can't seem to remove the earlier version
of *qgis212-bugtest-vecpoly-linepattern-lessminimalexample.zip*

#5 - 2015-11-03 01:18 AM - Nyal Dawson

- Status changed from Open to In Progress
- Assignee set to Nyal Dawson

Confirmed and bisected to commit:d6d6827

#6 - 2015-11-03 11:58 AM - Nyall Dawson
- Status changed from In Progress to Closed

Fixed in changeset commit:"2ac59332130186d891635f01c6c7677685716863".

Files			
truro-slopearrows-qgis212posssbug.jpg	617 KB	2015-10-29	David Trethewey
qgis212-bugtest-vecpoly-linepattern-minimumexample.zip	13.1 KB	2015-10-29	David Trethewey
qgis212-bugtest-vecpoly-linepattern-lessminimalexample.zip	218 KB	2015-10-29	David Trethewey
qgis212-bugtest-vecpoly-linepattern-lessminimalexample.zip	215 KB	2015-10-29	David Trethewey