QGIS Application - Bug report #14172
QGIS freezes after canvas refresh when using graduated style with many classes

2016-01-26 06:44 AM - Sebastian Dietrich

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Map Legend			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	not reproducable	
Crashes QGIS or corrupts data:		**Copied to github as #:**	22174	

Description

We have some layers that make use of the *graduated style* with many classes (a few hundred). After upgrading from 2.10 to 2.12.0 the projects containing those layers started to misbehave:

A short time (around one second) after the canvas has been updated by a pan or zoom operation, QGIS freezes for a few seconds. The length of the freeze is proportional to the number of classes in the *graduated style*, regardless of whether the layer is visible. It happens even if the layer is empty.

I attach a sample project. To reproduce:

- Open the sample project
- Select the panning maptool
- Zoom using the mouse-wheel
- **Immediately** start panning by pressing the left mouse-button and **continually moving** the mouse

Note that QGIS freezes during the last step for a few seconds (depending on your hardware).

Related issues:

Related to QGIS Application - Bug report # 13078: Size of legend items	**Closed**	**2015-07-06**

History

#1 - 2016-02-11 03:46 PM - Sebastian Dietrich

- Priority changed from Normal to High

Bisected the bug to commit:8776449a148e8b5422a73de45e5a364d1a7e5d5d, part of [PR 2245](#), addressing #13078.

#2 - 2017-01-05 10:23 AM - Giovanni Manghi

- Priority changed from High to Normal

- Status changed from Open to Feedback

- Category changed from Symbology to Map Legend

Hi,

while I can see some kind of lag (not very long to tell the truth, and no freeze) on 2.18.2 I really cannot appreciate the implications as the attached project does have any data (well it has, point?crs=EPSG:4326&memoryid={c97b4801-9e29-4621-998a-1f38d50a422f} but there are no features), so I cannot also say if previously behaved in a different way.

Can you add more data/details? How this impacts real life work?

#3 - 2017-02-27 02:52 PM - Giovanni Manghi

- Resolution set to not reproducable

- Status changed from Feedback to Closed

Closing for lack of feedback.

Files

FreezeGraduatedStyle.qgs	2.2 MB	2016-01-26	Sebastian Dietrich