

QGIS Application - Bug report #21281

Bug with multiple Else items in rule-based style

2019-02-15 01:47 PM - Steve Lowman

Status: Closed	
Priority: High	
Assignee: Alessandro Pasotti	
Category: Symbology	
Affected QGIS version: 3.5(master)	Regression?: Yes
Operating System: Any	Easy fix?: No
Pull Request or Patch Applied: Yes	Resolution: fixed/implemented
Crashes QGIS or corrupts data: No	Copied to github as #: 29099

Description

Attached is a polygon shapefile plus three rule-based .qml stylesheet files, as follows:

test_polygons.shp

And, the rule-based stylesheets:

1. Two sets of scale range rules with Else.qml
2. One set of scale range rules with Else.qml
3. Two sets of scale range rules with IS NULL OR IN expression.qml

In QGIS 2.18, all three styles behave correctly. You can identify and select all the features, and snap to and edit the vertices.

In QGIS 3.4, Style 1 (Two sets of scale range rules with Else.qml) reveals a bug, whereby for those features covered by the Else part of the rule expression, although you can edit their boundaries with the some of the digitising tools, you cannot do the following:

- Identify them with the Identify Features tool
- Select them with the Select Features tool
- Snap to their vertices or segments with digitizing tools
- Edit their vertices with the Vertex tool

This problem does not occur for the same features when either of the other two stylesheets (numbered 2 and 3 above) are applied. Therefore, I conclude that the problem is occurring only for features covered by the 'Else' part of a rule-based expression and only when the 'Else' item is present more than once in the list of rules. The problem is a regression in QGIS 3.4, because it does not occur in QGIS 2.18.

The repeating of the same items in the rule list allows us to control the width of borders for different scale ranges.

The same problem occurs for these features and styles in a geopackage, so it is not specific to shapefiles.

I have tested the issue only for polygons, so not sure if it would be the same for lines or points.

I selected "Symbology" for the category, although it also affects other categories. Perhaps it should be category "Expressions"?

History

#1 - 2019-02-15 01:52 PM - Steve Lowman

I should have also noted that the problem never occurs for those features that are not covered by the 'Else' part of the expression.

#2 - 2019-02-15 02:45 PM - Alessandro Pasotti

- Assignee set to Alessandro Pasotti

#3 - 2019-02-15 04:57 PM - Alessandro Pasotti

- Pull Request or Patch supplied changed from No to Yes
- Operating System changed from Windows 10 to Any
- Priority changed from Normal to High
- Status changed from Open to In Progress
- Affected QGIS version changed from 3.4.4 to 3.5(master)
- Resolution set to fixed/implemented

PR <https://github.com/qgis/QGIS/pull/9181>

#4 - 2019-02-17 09:12 AM - Alessandro Pasotti

- Status changed from In Progress to Closed

Files

QGIS 3 - Bug with multiple Else items in rule-based style.zip	117 KB	2019-02-15	Steve Lowman
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