QGIS Application - Bug report #16086
Feature count for {rule-based,categorized,graduated} renderer wrong when using joined fields upon project load

2017-01-16 07:21 PM - Mathieu Pellerin - nIRV

Status:	Feedback			
Priority:	Normal			
Assignee:				
Category:	Map Legend			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**		
Crashes QGIS or corrupts data:		**Copied to github as #:**	24000	

Description

When [x] show feature count is active on a {rule-based,categorized,graduated} renderer layer relying on a joined layer field, the layer's children counts (including composer legend items) will return 0 upon project load, and will stick to that wrong count unless a category is added/deleted.

Educated guess: upon project load, the feature count takes place prior to joining layer(s), resulting in the wrong 0 count.

Steps to reproduce

1. Launch QGIS and open the attached test project (count.qgs)
2. Notice the layer count on the layer panel is wrong (says 0 when you'll clearly see styled polygons on the map)
3. Open the style dock, and add a category to the categorized renderer (i.e. push the [+] button)
4. Notice the feature counts are now correct

History

#1 - 2017-01-16 07:23 PM - Mathieu Pellerin - nIRV

- Subject changed from layer count for {rule-based,categorized,graduated} renderer wrong when using joined fields upon project load to Feature count for {rule-based,categorized,graduated} renderer wrong when using joined fields upon project load

#2 - 2017-01-16 10:39 PM - Mathieu Pellerin - nIRV

I've looked into this by adding a couple of debug msgs. So basically what happens here is:

- layer A loaded
- layer A creates a join with layer B (however the data source for layer B isn't loaded)
- layer A's creation process calls createLayerTreeModelLegendNodes, within which mLayer->countSymbolFeatures(); is called, triggering a feature count
- layer A populates rule-based categories feature counts (triggered above), which will return 0 as the rule relies on values from layer B
- layer B loaded

#3 - 2017-05-01 01:01 AM - Giovanni Manghi

- Easy fix? set to No

- Regression? set to No

#4 - 2019-03-09 04:28 PM - Giovanni Manghi

- Status changed from Open to Feedback

Please check if this issue is still valid on QGIS 3.4.5 or 3.6.

Files

count.zip	12.5 KB	2017-01-16	Mathieu Pellerin - nIRV