QGIS Application - Feature request #3337
Query Builder's data sampler doesn't use original dataset

2010-12-14 06:20 PM - Aren Cambre

Status:	Closed			
Priority:	Low			
Assignee:	Jürgen Fischer			
Category:	Vectors			
Pull Request or Patch supplied:	No		**Resolution:**	fixed
Easy fix?:	No		**Copied to github as #:**	13397

Description

Suppose you use the Query Builder to filter data on a layer. Now suppose you want to later refine the query, perhaps by adding back some data you previously filtered our.

If I click on a field on the left side and then hit **Sample** or **All** under **Values**, the values are only returned from the filtered dataset, not from the original dataset.

Here's where it's a problem: I have a vector layer with field **rte_class** with values **County Roads**, **FC Streets**, **On System Highways**, and **Toll Roads**. I previously filtered the dataset so the **SQL where clause** says **"rte_class" = 'On System Highways'**. But I wanted to go back and add another value, but I don't remember what it is. I clicked on **rte_class** under **Fields** and hit **All** under **Values**, and the only value presented is **On System Highways**. The only way I got the other three fields back is to clear the filter and start over.

I think that sampled data should come from the original dataset, not the filtered version of the data. I've been debating bug vs. enhancement for this, but I think it's a bug because it precludes using the Query Builder to relax a filter unless I clear the filter totally.

Only after clearing the filter was I able to produce the desired where clause: **"rte_class" = 'On System Highways' OR "rte_class" = 'Toll Roads'**.

Related issues:

Duplicated by QGIS Application - Bug report # 5114: Query builder "sample" an...	**Closed**	**2012-02-29**
Duplicated by QGIS Application - Bug report # 7687: Query Builder Sample Rest...	**Closed**	**2013-04-23**
Duplicated by QGIS Application - Bug report # 7989: QGIS Nightly (June 2-3) F...	**Closed**	**2013-06-03**

History

#1 - 2011-12-16 01:50 PM - Giovanni Manghi

- Target version changed from Version 1.7.0 to Version 1.7.4

#2 - 2012-04-16 06:24 AM - Paolo Cavallini

- Target version changed from Version 1.7.4 to Version 1.8.0

- Affected QGIS version set to master

- Crashes QGIS or corrupts data set to No

#3 - 2012-06-29 07:20 PM - Leyan Ouyang

- File querybuilder.diff added

I was also bitten by this bug. This is quite easy to fix if we just temporarily clear the query when getting the values to use the full dataset. There is of course a performance impact, but I think it is better than returning truncated results. Is there a more clever way to do this?

Patch attached.

#4 - 2012-06-30 12:21 AM - Jürgen Fischer

- Start date set to 2012-06-30

- Pull Request or Patch supplied set to No

- OS version deleted (7 x86)

- Operating System deleted (Windows)

- Tracker changed from Bug report to Feature request

I still don't see this a bug. It's just one way it can work. If you want to add filtered out data back, you need to clear the query first (maybe copying before and pasting it back afterwards). But if you want to filter out more, it's useful that you only need to consider values that are left in the filtered dataset. I consider that a feature, that we would loose if the behaviour was changed. But there might be a checkbox that lets the user decide, which approach to use.

#5 - 2012-06-30 01:12 AM - Jürgen Fischer

- Status changed from Open to Closed

- Resolution set to fixed

implemented in commit:d79c2963

#6 - 2012-07-01 06:48 AM - Aren Cambre

The main problem is in relaxing a filter. As it is now, you can't relax it unless you clear the filter entirely and rebuild it.

#7 - 2012-07-01 09:44 AM - Jürgen Fischer

Aren Cambre wrote:

> *The main problem is in relaxing a filter. As it is now, you can't relax it unless you clear the filter entirely and rebuild it.*

Not sure what you mean. As it is now, checking the box, resets the filter before retrieving the samples.

Files

querybuilder.diff	1.99 KB	2012-06-29		Leyan Ouyang