QGIS Application - Bug report #12167
Expression-selected labels doesn't deal with NULL

2015-02-09 10:53 PM - Corey Burger

Status:	Closed			
Priority:	Normal			
Assignee:	Larry Shaffer			
Category:	Labelling			
Affected QGIS version:	2.6.0		**Regression?:**	No
Operating System:			**Easy fix?:**	No
Pull Request or Patch supplied:			**Resolution:**	
Crashes QGIS or corrupts data:	No		**Copied to github as #:**	20360

Description

If you are attempting to limit labels based on a field that contains NULL values, any attempt to select on that field will fail.

Steps to reproduce:

1. Use "Show Only" and select a field with NULL values

2. Observe that all rows appear to be being labelled

3. Change NULL values to another value

4. Observe that labelling rules now appear to be correctly handled

This appears to be a bug with the labelling engine, as the selection process works otherwise.

Associated revisions

Revision a15aa74b - 2015-02-11 04:01 AM - Nathan Woodrow

Fix #12167 - Handle nulls in show label property for labels

Funded by Digital Mapping Solutions

History

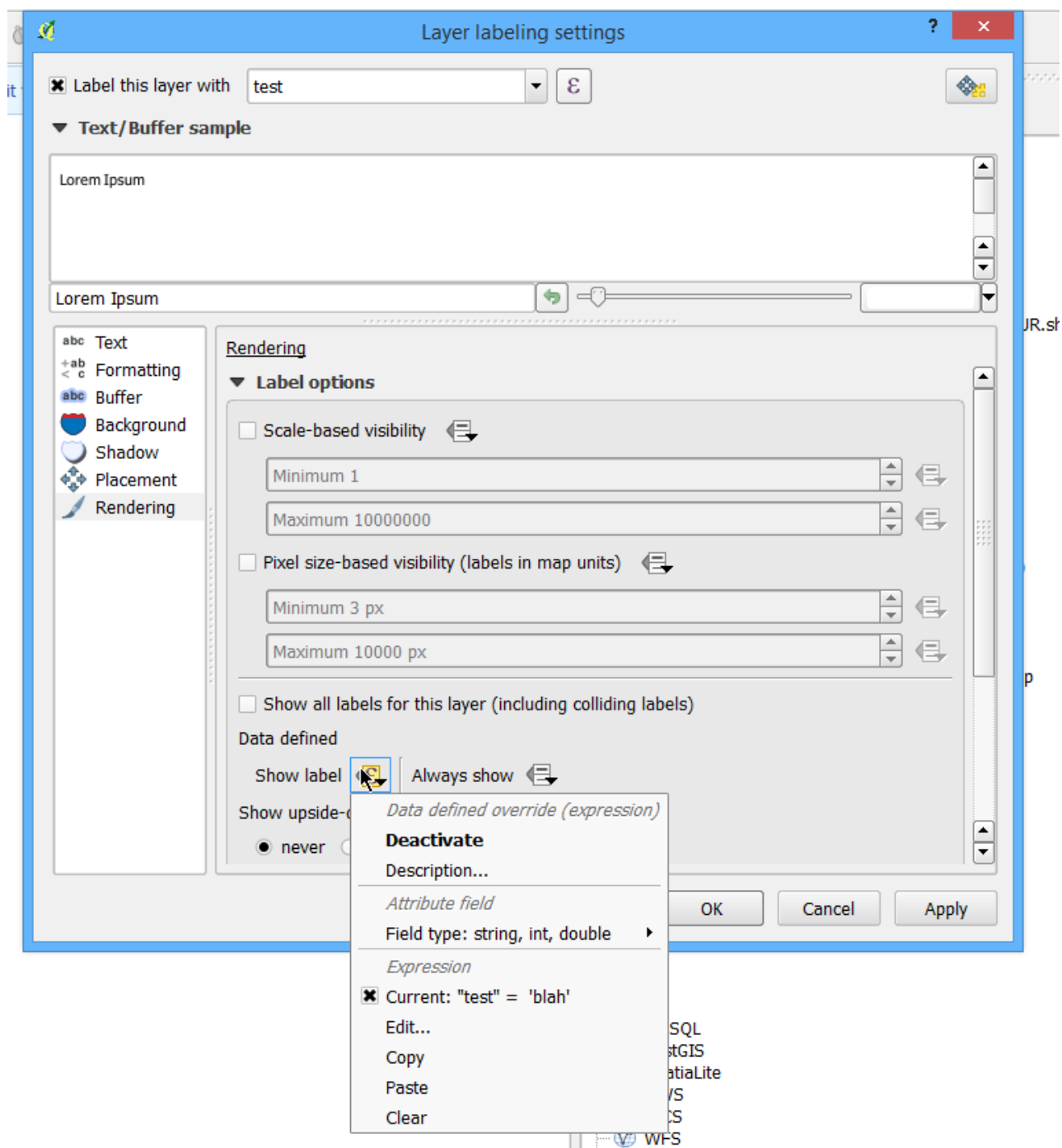**#1 - 2015-02-09 11:01 PM - Nathan Woodrow**

and the expression is "fieldname" = 'value' correct?

#2 - 2015-02-09 11:05 PM - Corey Burger

Yes, exactly that. Sorry, should have pointed that out. It appears to happen with both string and whole number fields.

#3 - 2015-02-09 11:06 PM - Nathan Woodrow

- File testy.png added

Like that?

#4 - 2015-02-10 12:05 AM - Giovanni Manghi

- Status changed from Open to Feedback

- Category set to Labelling

#5 - 2015-02-10 11:31 AM - Corey Burger

yes, exactly like that

#6 - 2015-02-10 01:07 PM - Nathan Woodrow

I don't see that here. Can you attach a project with sample data please to test with.

#7 - 2015-02-10 01:28 PM - Corey Burger

- File LabelTest.zip added

Attached a zip file with a test shp file and project

#8 - 2015-02-10 03:39 PM - Nathan Woodrow

- Assignee set to Larry Shaffer

This seems to be related to the way the data defined values are handled.

```
// data defined show label? defaults to show label if not 0
if ( dataDefinedEvaluate( QgsPalLayerSettings::Show, exprVal ) )
{
  QgsDebugMsgLevel( QString( "exprVal Show:%1" ).arg( exprVal.toBool() ? "true" : "false" ), 4 );
  if ( !exprVal.toBool() )
  {
    return;
  }
}
```

dataDefinedEvaluate will return false if the result is null but also if the property isn't set, so there is no way to tell between a null value because it's not set and a null value because it is a null result.

#9 - 2015-02-10 07:06 PM - Anonymous

- Status changed from Feedback to Closed

Fixed in changeset commit:"a15aa74bb7e4b457b67624882413b72b2e862cd6".

Files

testy.png	42 KB	2015-02-09	Nathan Woodrow
LabelTest.zip	4.54 KB	2015-02-10	Corey Burger