

## QGIS Application - Bug report #2949

### Labeling (ABC) to a shape file do not show content from dbf field, for objects whose geometry in not valid (checked with ftools)

2010-08-18 11:26 AM - Gerhard Spieles

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Labelling	
<b>Affected QGIS version:</b> master	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> worksforme
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 13009
<b>Description</b>	
<p>Hello,</p> <p>i have exported an amount of datas and geometries from a cemetery programm to a shape file. Unfortunately, is in a standard geometry of the cemetery programm a line intersection fault (checked by ftools). Labeling (ABC) dont functions with these objects.</p> <p>Is it possible, to label all objects, even the geometry is not full correct.</p>	

#### History

##### #1 - 2011-12-16 09:49 AM - Paolo Cavallini

- Category changed from Symbology to Labelling
- Assignee deleted (nobody -)
- Pull Request or Patch supplied set to No

##### #2 - 2011-12-16 01:55 PM - Giovanni Manghi

- Target version changed from Version 1.7.0 to Version 1.7.4

##### #3 - 2012-04-16 06:24 AM - Paolo Cavallini

- Crashes QGIS or corrupts data set to No
- Target version changed from Version 1.7.4 to Version 1.8.0
- Affected QGIS version set to master

##### #4 - 2012-09-04 12:02 PM - Paolo Cavallini

- Target version changed from Version 1.8.0 to Version 2.0.0

##### #5 - 2012-09-16 12:31 AM - Giovanni Manghi

- Resolution set to fixed
- Status info deleted (0)
- OS version deleted (xp sp3)
- Operating System deleted (Windows)
- Status changed from Open to Closed

At least with the latest changes in the labelling code this seems fixed. Reopen if necessary, but attach sample data.

##### #6 - 2012-09-17 09:34 AM - Gerhard Spieles

- File test1.jpg added
- File test2.jpg added
- Status changed from Closed to Reopened

Hello,

have tested the labeling in polygons with intersection fault.

Labeling is correct in section advanced, Placement: "Offset from centroid" and "around centroid" (see attached test1.jpg)

Label disappears in section advanced, Placement: "horizontal", "free" and "using perimeter" (see attached test2.jpg)

Gerhard

#### **#7 - 2012-09-17 03:41 PM - Larry Shaffer**

- Resolution deleted (fixed)
- Priority changed from Low to Normal

See also #4079-23 and

<http://osgeo-org.1560.n6.nabble.com/Add-ST-MakeValid-functionality-to-QgsGeometry-td5002449.html>

and #3517-10 for an explanation on why "horizontal", "free" and "using perimeter" are not showing labels for those invalid geometries, but "offset" and "around" are.

#### **#8 - 2012-10-01 02:49 PM - Gerhard Spieles**

Hello,

just tested the datas with intersection fault in QGis master 4b263d6.

No labels to see in any option.

Gerhard

#### **#9 - 2012-10-02 10:27 AM - Larry Shaffer**

- Status changed from Reopened to Feedback

gespiel - wrote:

*Hello,  
just tested the datas with intersection fault in QGis master 4b263d6.  
No labels to see in any option.  
Gerhard*

Gerhard, thank you for the report. Unfortunately, that is correct behavior for now.

With the recent commit

commit:4d9d16dab3b9fc686873426108b509fc399fb8ba

the fix for showing labels for *some* invalid geometries for "offset" and "around" placements has been reverted, in favor of a corrected centroid calculation within the PAL engine. This allows for multi-part features to be properly labeled (as before). It is possible to instead use a GEOS-based centroid calculation

within PAL, but this will not fix the issue with "horizontal", "free" and "using perimeter" placements not showing labels for all invalid geometries.

Basically, this will remain 'broken' (i.e. invalid geometries showing no labels) until a more general fix for invalid geometries can be implemented, prior to a geometry being sent into the PAL engine. This would be the appropriate approach to fix this issue for all PAL operations (where possible, since some invalid geometries may not be 'fixable').

At this point, this is the most likely candidate:

<http://osgeo-org.1560.n6.nabble.com/Add-ST-MakeValid-functionality-to-QgsGeometry-td5002449.html>

**#10 - 2012-10-04 07:14 AM - Giovanni Manghi**

*Basically, this will remain 'broken' (i.e. invalid geometries showing no labels)*

I personally would not consider this behavior as broken, a tool to fix geometries is surely needed, but anyway I vote to close this ticket. Agree?

*At this point, this is the most likely candidate:*

<http://osgeo-org.1560.n6.nabble.com/Add-ST-MakeValid-functionality-to-QgsGeometry-td5002449.html>

**#11 - 2012-11-19 02:51 AM - Regis Haubourg**

agreed for me since we keep on discussing it elsewhere.

**#12 - 2013-04-12 09:37 PM - maning sambale**

Propose for closing.

**#13 - 2014-01-30 11:43 PM - Paolo Cavallini**

*- Target version changed from Version 2.0.0 to Future Release - High Priority*

**#14 - 2014-10-11 08:11 AM - Giovanni Manghi**

*- Status changed from Feedback to Closed*

*- Resolution set to worksforme*

there have been work on geometry validity/labels, and from my tests on master now labels are ok also on invalid geometries.

Please reopen if necessary.

**Files**

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test1.jpg	237 KB	2012-09-17	Gerhard Spieles
test2.jpg	214 KB	2012-09-17	Gerhard Spieles