

QGIS Application - Bug report #2829

qgis doesn't show any message/warning when splitting a polygon with an invalid geometry

2010-06-21 09:59 PM - xr6ute -

Status:	Closed	
Priority:	Low	
Assignee:	nobody -	
Category:	Digitising	
Affected QGIS version:		Regression?: No
Operating System:	All	Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed
Crashes QGIS or corrupts data:		Copied to github as #: 12889
Description		
<p>While editing a shape file, trying to split the feature has no affect. Trying to split the same shape file with v1.2.0 used to cause a crash. Creating a new ring and splitting that does work as expected.</p>		

Associated revisions

Revision 51299c1e - 2011-04-22 06:07 PM - Jürgen Fischer

fix #2829

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@15812> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision f33d9f2e - 2011-04-22 06:07 PM - Jürgen Fischer

fix #2829

git-svn-id: <http://svn.osgeo.org/qgis/trunk@15812> c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2010-06-22 12:03 AM - Paolo Cavallini

Confirmed. In my case, it crashes with:

Error:
GDAL Error 1: [[TopologyException]]: found non-noded intersection between LINESTRING (138.783 -34.5531, 138.783 -34.5531) and LINESTRING (138.783 -34.5531, 138.783 -34.5531) at 138.783 -34.5531

Segmentation fault

#2 - 2010-06-22 01:09 AM - Giovanni Manghi

see attached image. The geometry does not seems correct. Fix it and the tool will work fine.

#3 - 2010-06-22 01:29 AM - Jürgen Fischer

Replying to [comment:2 pcav]:

Confirmed. In my case, it crashes with:

No crash here.

Error:

GDAL Error 1: *[[TopologyException]]: found non-noded intersection between LINESTRING (138.783 -34.5531, 138.783 -34.5531) and LINESTRING (138.783 -34.5531, 138.783 -34.5531) at 138.783 -34.5531*

GDAL? Strange. There should be a GEOS exception, if any. Although the rest of the message looks like one. Doesn't this only crash with some plugins involved?

#4 - 2010-06-22 01:34 AM - Paolo Cavallini

So we got another problem now: I suspected the layer was invalid, so I checked with fTools, which it couldn't find the error.

Two issues then:

- QGIS shouldn't crash in case of editing invalid geometries, and it should report a meaningful error when trying to manipulate them
- incorrect geometries should be found by fTools (probably better opening a ticket on this)

#5 - 2010-06-22 02:11 AM - Paolo Cavallini

Right: uninstalling SDA4PP plugin removes the crash. A meaningful error message would be good to have anyway.

#6 - 2010-06-22 04:10 PM - xr6ute -

Sorry about the bad geometry file I hadn't noticed that, and I can confirm Lutra is correct, once I fixed the geometry the tool worked as expected. Thanks for looking in to this, the response is exceptional, inline with the overall QGIS experience :-).

#7 - 2010-06-23 02:05 AM - Giovanni Manghi

New description:

See attached polygon shapefile. It has an invalid geometry and if you try to split it qgis does nothing. It should throw a message/warning.

#8 - 2011-04-22 09:08 AM - Jürgen Fischer

fixed in commit:f33d9f2e (SVN r15813).

#9 - 2011-04-22 09:08 AM - Jürgen Fischer

- Resolution set to fixed
- Status changed from Open to Closed

Files

WEIR.zip	10.3 KB	2010-06-21	xr6ute -
Screenshot.png	159 KB	2010-06-21	Giovanni Manghi