QGIS Application - Bug report #2224
reshape tool doesn't work with a particular vector layer (shape, postgis, spatialite)

2009-12-09 08:28 AM - Giovanni Manghi

Status:	Closed		
Priority:	Low		
Assignee:	Marco Hugentobler		
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 #:**	12284

Description

Tested on shapes, postgis and spatialite on qgis trunk compiled today (ubuntu 9.04). As vector layer to reproduce the problem you can use the layer "regions" you can find in the spatialite sample dataset.

It does not happens will all the polygons in this layer, but it happens with the majority of them.

The console returns:

> Warning 1: Geometry of polygon of fid 54 cannot be translated to Simple Geometry. All polygons will be contained in a multipolygon.
>
> Warning 1: Geometry of polygon of fid 59 cannot be translated to Simple Geometry. All polygons will be contained in a multipolygon.
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bufferOriginalPrecision failed (TopologyException: depth mismatch at 347584 5.01011e+06), trying with reduced precision
recomputing with precision scale factor = 1e+06
Scaler: offsetX,Y: 0,0 scaleFactor: 1e+06
[[ReScaler]]: offsetX,Y: 0,0 scaleFactor: 1e+06
bufferOriginalPrecision failed (TopologyException: depth mismatch at 347584 5.01011e+06), trying with reduced precision
recomputing with precision scale factor = 1e+06
Scaler: offsetX,Y: 0,0 scaleFactor: 1e+06
[[ReScaler]]: offsetX,Y: 0,0 scaleFactor: 1e+06
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[[ReScaler]]: offsetX,Y: 0,0 scaleFactor: 1e+06
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Segmentation fault
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History

#1 - 2009-12-09 09:18 AM - Jürgen Fischer

commit:dc97c261 (SVN r12387) should fix the crash, but reshaping still doesn't work for the example.

#2 - 2009-12-09 10:39 AM - Giovanni Manghi

true, reshaping doesn't work... at least in all the polygons that, before the fix, crashed qgis when using the tool...

New description:

Tested on shapes, postgis and spatialite on qgis trunk compiled today (ubuntu 9.04). As vector layer to reproduce the problem you can use the layer "*regions*" you can find in the spatialite sample dataset.

Reshape tool works with a few of the polygons in this layer, but does nothing with the majority of them.

#3 - 2009-12-22 08:35 AM - Marco Hugentobler

Looks like a geos problem to me.
Please provide a link to the testdata.

#4 - 2009-12-22 10:57 AM - Giovanni Manghi

http://www.gaia-gis.it/spatialite/test-2.3.sqlite.gz

I used the "regions" layer (also as shape and as postgis vector).

#5 - 2009-12-23 05:55 AM - Marco Hugentobler

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

This should be fixed in commit:0d2607ed (SVN r12596)