

QGIS Application - Bug report #7401

"Add Ring" tool fails with "The inserted Ring is not contained in a feature"

2013-03-19 11:30 PM - Jeremy Taylor

Status: Closed	
Priority: Normal	
Assignee: Nyall Dawson	
Category: Digitising	
Affected QGIS version: master	Regression?: No
Operating System: Windows	Easy fix?: No
Pull Request or Patch supplied: No	Resolution:
Crashes QGIS or corrupts data: No	Copied to github as #: 16370
Description	
<p>I have seen this error a few times. If you map some polygons within QGIS sometimes the add ring tool does not work. I tried a few things to fix it. Checking the geometry validity, simplifying the polygon, saving out the selection to a new shapefile. All of these failed.</p> <p>One fix, was to create a brand new shapefile and copy the poly into the new shapefile. Then the add ring tool would work again.</p> <p>I have the corrupt shapefile attached. If someone can look into what happened to the shapefile and find the link how it was caused by qgis that would be great.</p>	

Associated revisions

Revision 957d8269 - 2015-10-13 11:39 PM - Nyall Dawson

When adding ring to a geometry, add z or m dimensions to the ring geometry if required (fix #7400, #7401)

History

#1 - 2013-03-20 03:18 AM - Giovanni Manghi

- Subject changed from Add Ring Feature Fails on Mapped Feature using Poly Tool within QGIS to "Add Ring" tool fails with "The inserted Ring is not contained in a feature"
- OS version deleted (1.8.0)
- Operating System deleted (Lisboa)
- Priority changed from Low to Normal
- Category changed from Vectors to Digitising
- Affected QGIS version changed from 1.8.0 to master
- Status info deleted (?)

It fails also on master, the message is

"The inserted Ring is not contained in a feature"

QGIS validation tools says 0 errors.

#2 - 2013-07-17 06:47 PM - Daniel Vaz

Hello,

I ran the file command in linux on the attached shapefile and I got it:

Centenary.shp: ESRI Shapefile version 1000 length 2246 type PolygonZ

In the qgsgeometry.cpp:

```
if ( wkbType() == QGis::WKBPolygon )
{
    if ( type != GEOS_POLYGON )
        return 1;

    polygonList << mGeos;
}
```

was not evaluated to true, because QGis doesn't handle a WKBPolygonZ.

So, I think this issue need more expert coders.

I can fix it with the following code:

```
mDirtyWkb = true;
exportGeosToWkb();
```

before the previous piece of code. But it's an ugly HACK.

#3 - 2013-07-25 04:43 AM - Giovanni Manghi

The issue seems to be that 3d vectors are not well supported. It is OK if working in copy of the attached vector with the Z infos removed.

#4 - 2015-10-12 09:46 PM - Nyal Dawson

- Assignee set to Nyal Dawson

#5 - 2015-10-13 02:39 PM - Nyal Dawson

- Status changed from Open to Closed

Fixed in changeset commit:"957d82698d893c4a0e95c0ac887231b26d894bbb".

Files

Error.zip	3.32 KB	2013-03-19	Jeremy Taylor
-----------	---------	------------	---------------