

QGIS Application - Bug report #13256

Shapefile corrupted on edit

2015-08-24 01:37 PM - Spencer Gardner

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:		
Affected QGIS version:	2.10.1	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 21317

Description

I'm seeing some strange behavior on a shapefile I'm working with. If I draw a polygon in just the right spot and then save my edits, the polygon disappears. Any subsequent polygons that I draw and commit have the same problem. If I close QGIS, restart, and then add the same shapefile, the shape that I drew is visible, but seems to have issues. I can't always select it with the selection tool, for example.

I initially thought the issue might be that I was drawing shapes that were partially outside of the extents of the coordinate system of the projection on the shapefile, but if I draw other shapes far away from the other features and outside of the projection extents they draw and commit without problems.

A version of the shapefile that seems to be causing the problem is attached.

Steps to reproduce:

1 - Add test.shp to empty canvas

2 - Start edit session

3 - Draw new polygon at approximately the following coordinates (+/- 1,000 ft):

255902, 513277

415154, 514104

411018, 718443

290234, 698175

4 - Save edits

What happens:

Newly drawn polygon disappears. Shapefile is corrupted in some way. No errors to indicate that there was a problem.

What should happen:

Changes are rolled back and an error message is produced. Even better, QGIS handles whatever issue and the shape is committed as drawn.

History

#1 - 2015-09-13 05:24 AM - Saber Razmjooei

- File overlap.PNG added
- Status changed from Open to Feedback

QGIS doesn't seem to handle vectors with overlapping features properly and throws out some random errors when editing them.

Feature 4 and 10 in your shapefile contains some overlapping.

Could you remove those features and try again? Also, worth trying in QGIS master.

#2 - 2015-09-15 06:56 AM - Spencer Gardner

OK. More weirdness. When I delete features 4 and 10, commit edits, turn off editing, and then zoom, all features in the shapefile disappear. If I close QGIS, reopen, and add the modified shapefile to the canvas, I can see the features until I zoom again at which point they disappear. Same behavior in the latest nightly.

#3 - 2015-09-15 06:57 AM - Spencer Gardner

Additional request: Can we mark this for causing corruption?

#4 - 2015-09-15 07:00 AM - Spencer Gardner

Additional testing: I imported the shapefile to a PostGIS database and was unable to recreate the problem. It appears to be isolated to shapefiles.

#5 - 2015-09-15 07:02 AM - Saber Razmjooei

Could you also save it as new shapefile and test?

#6 - 2015-09-15 07:06 AM - Spencer Gardner

I saved test.shp as test2.shp and then deleted features 4 and 10. The issue does not occur on test2.shp.

#7 - 2015-09-15 07:28 AM - Saber Razmjooei

Could be related to this #13297

#8 - 2015-12-10 09:23 AM - Spencer Gardner

- Status changed from Feedback to Closed

Thanks. Looks like this is part of the issue reported at #11007 (also connected with the issue linked above).

Files			
test.zip	87.1 KB	2015-08-24	Spencer Gardner
overlap.PNG	33.8 KB	2015-09-13	Saber Razmjooei