

QGIS Application - Bug report #2405

ftools does not always work with Spatialite

2010-01-30 12:58 PM - mesajs -

Status:	Closed	
Priority:	Low	
Assignee:	cfarmer -	
Category:	Processing/QGIS	
Affected QGIS version:		Regression?:
Operating System:	Windows	Easy fix?:
Pull Request or Patch supplied:		Resolution: fixed
Crashes QGIS or corrupts data:		Copied to github as #: 12465
Description		
Some ftools do not work with Spatialite layers. For example (using a LINESTRING layer):		
1. Buffer - produces an empty shapefile. No error messages are issued.		
2. Export to new projection . The Input Spatial Reference System is not reported correctly in the dialog, but it does seem to correctly perform the reprojection.		
3. Simplify geometries fails with attached error (see attached screen dump - CTRL+C did not copy text from Python error consol)		

History

#1 - 2010-01-31 06:04 AM - Giovanni Manghi

Hi,

work everything fine with the spatialite demo dataset under windows/linux 32bit. Can you post a sample of the data are giving you this problems?

#2 - 2010-01-31 11:16 PM - mesajs -

Did a bit more testing. Tried a variety of layers (point, linestring, polygon), as both Spatialite and the same data in Shapefiles.

Buffer never works as Spatialite, but works with shapefiles.

Simplify geometries sometimes does work OK, so it is data dependent. It fails even if the data is in a shapefile, so not a Spatialite issue.

Attaching a spatialite file that causes Simplify geometries to fail.

#3 - 2010-06-15 03:24 AM - mesajs -

Identified a problem with Delaunay triangulation. The assumption in the code (doGeometry.py, def delaunay_triangulation) that the index and the featureId are the same thing does not appear to be valid, at least with spatialite tables (and possibly any source if a query has been applied to filter the layer?).

Quick hack to the code to build a dictionary relating the two, and it works, both with and without an applied query. See attachment.

#4 - 2011-03-02 07:23 AM - Paolo Cavallini

Why is the patch not been applied? Are the other behaviours confirmed with 1.6?

#5 - 2011-03-02 07:56 AM - cfarmer -

Patch was not applied because this issue was fixed independently as part of a separate bug fix. Can you confirm this has been fixed (it has for me). Ticket may be ready to be closed, as several of the issues above belong to tools which have been significantly changed recently. Will test again soon.

Carson

#6 - 2011-04-16 06:46 AM - Maxim Dubinin

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

buffering spatialite layer - works
Export to new projection - this instrument is no longer in ftools
simplify - works

[[WinXP]], commit:f42443c9 (SVN r15701)

#7 - 2017-05-01 01:23 AM - Giovanni Manghi

The "ftools" category is being removed from the tracker, changing the category of this ticket to "Processing/QGIS" to not leave the category orphaned.

Files

tracks_shp.zip	6.68 KB	2010-01-31	mesajs -
delaunay.py	1.84 KB	2010-06-15	mesajs -