QGIS Application - Bug report #2493
ftools: simplify geometries tool crashes/freezes qgis (or throws a pyhton error)

2010-03-06 11:48 AM - Giovanni Manghi

Status:	Closed		
Priority:	Low		
Assignee:	cfarmer -		
Category:	Python plugins		
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 #:**	12553

Description

The tool seems to not like/not work with multipart geometries, so a control should be added. A singlepart version of the problematic vector (attached) stills crashes qgis when using the tool.

Maybe it is a problem with the geometry of the vector I tested, nevertheless crash should be avoided.

With the attached vector "evora_rios" with qgis trunk under Ubuntu 9.10, qgis crashes with the following terminal message.

    Warning: QObject::setParent: Cannot set parent, new parent is in a different thread
    Warning: QPixmap: It is not safe to use pixmaps outside the GUI thread
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    <unknown>: Fatal IO error 11 (Resource temporarily unavailable) on X server :0.0.

I tried also to obtain a singlepart version ("evora_rios_singlepart", also attached here) of the same vector (using the multipart to singleparts tool in ftools) and the results are no better as qgis freezes or crashes (same message as above)***.

Under windows xp (qgis trunk/osgeo4w) I get (with the same vectors) python errors instead of crashes and freezes. I attach the error message (is the same for the multipart and singlepart version of the vector) as image as is possible to ctrç-c the error message but then ctrl-v does not work.

Under Ubuntu 9.04 (and qgis 1.4 from the ubuntugis repository) the crash message is slightly different from the one thrown under 9.10

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Warning: X Error: [[BadImplementation]] (server does not implement operation) 17

  Major opcode: 20 (X_GetProperty)

  Resource id: 0x21

qgis.bin: ../../src/xcb_io.c:242: process_responses: Assertion @(((long) (dpy->last_request_read) - (long) (dpy->request)) <= 0)'
failed.

  Aborted

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To notice that also the new plugin "dpsimplify" crashes with the multipart version of the attached vector, but with the singlepart version it
works ok.

Associated revisions

Revision bdca8289 - 2010-03-09 01:22 AM - cfarmer -

Simplify geometry tool now works properly for multipart features. Note: tool now uses builtin simplify function from QgsGeometry (i.e. should be noticeably
faster). Fixes #2493 and #2499.

git-svn-id: http://svn.osgeo.org/qgis/trunk/qgis@13033 c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision 1f0d1afa - 2010-03-09 01:22 AM - cfarmer -

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History

#1 - 2010-03-08 04:26 PM - cfarmer -

- Resolution set to fixed

- Status changed from Open to Closed

Should be fixed in commit:1f0d1afa (SVN r13034). Now using built-in simplify function from [[QgsGeometry]]? (added at the last hackfest). Tested on
sample shapefile attached to this ticket, works nicely on both multipart and singlepart versions. Note, this bug is likely a duplicate of #2499 (or vice versa

:-))

-Carson

Files

evora_rios_shp.zip	76.8 KB	2010-03-06	Giovanni Manghi
evora_rios_singlepart_shp.zip	78.1 KB	2010-03-06	Giovanni Manghi
simplify_error.png	124 KB	2010-03-06	Giovanni Manghi