

QGIS Application - Bug report #390

GEOS: TopologyException occuring with identify tool

2006-11-14 02:06 PM - neteler-itc-it -

| | | |
|--|--------------|-------------------------------------|
| Status: | Closed | |
| Priority: | Low | |
| Assignee: | Gary Sherman | |
| Category: | Vectors | |
| 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 #: 10449 |
| Description | | |
| <p>Hi,</p> <p>via IRC I reported this problem and "wonder" fixed something already: http://svn.qgis.org/trac/changeset/6071</p> <p>I have now recompiled QGIS and latest 2.x GEOS. The identification now seems to work, but still these warnings appear:</p> <p>Warning: GEOS: [[TopologyException]]: side location conflict (4.33168e+06,2.52514e+06) Warning: GEOS: [[TopologyException]]: side location conflict (4.34597e+06,2.51173e+06) Warning: GEOS: [[TopologyException]]: side location conflict (4.39699e+06,2.59723e+06)</p> <p>The sample SHAPE file is here: http://mpa.itc.it/markus/tmp/qgis/ It comes with some huge multipolygons.</p> <p>I also contacted strk who told me (pasted with permission):</p> <p>strk*refrations.net wrote on 11.11.2006 11:32:</p> <ul style="list-style-type: none">> The topology exceptions are not considered real bug, but rather> a limit of the algorithms. New algorithms in GEOS-3.0.0> use some heuristics on exception and try to reapply the operation> on a slightly modified input to reduce likeliness of robustness issues.>> I think qgis should be using the C-API, where all of this comes for> free (and GEOS-2.2.x should have the C-API already, so qgis will be> binary compatible back to that version of geos). Alternatively you> can probably still using the C++ api and make it compatible with both> 2.2.x and 3.0.0 geos by adding some 'using namespace' directives IFF> major_version > 2.>> --strk; <p>Best regards, Markus</p> | | |

History

#1 - 2007-07-15 06:15 AM - Marco Hugentobler

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

I'm closing this ticket as it is possible to compile and link qgis against geos 3 (with -DPEDANTIC=off)

#2 - 2009-08-22 12:45 AM - Anonymous

Milestone Version 0.9 deleted