

## QGIS Application - Bug report #17132

### Errors when running QGIS algorithms with inputs with geometry errors

2017-09-13 11:21 AM - Giovanni Manghi

<b>Status:</b> Closed	
<b>Priority:</b> High	
<b>Assignee:</b> Nyal Dawson	
<b>Category:</b> Processing/QGIS	
<b>Affected QGIS version:</b> master	<b>Regression?:</b> Yes
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 25031
<b>Description</b>	
<p>Tested on QGIS master and with this <a href="https://github.com/qgis/QGIS/pull/5099">https://github.com/qgis/QGIS/pull/5099</a> patched version of Processing (that backports some fixes/enhancements from master).</p> <p>As sample project/dataset it can be used the first one contained here</p> <p><a href="https://issues.qgis.org/attachments/download/11399/union_intersection_test_datasets.zip">https://issues.qgis.org/attachments/download/11399/union_intersection_test_datasets.zip</a></p> <p>running tools (tested union and intersection) with the "AreaA" and "areaB" inputs (that have some geometry issues, auto-intersections) then on <b>master</b> the following is thrown:</p> <pre>Algorithm 'Union' starting... Input parameters:{'INPUT': &lt;QgsProcessingFeatureSourceDefinition{'source':AreaA20170911213135765, 'selectedFeaturesOnly': False}   , 'OUTPUT': &lt;QgsProcessingOutputLayerDefinition {'sink':memory;, 'createOptions': {'fileEncoding': 'System'}}&gt;, 'OVERLAY':   &lt;QgsProcessingFeatureSourceDefinition     {'source':AreaB20170911213135757, 'selectedFeaturesOnly': False}   }  Traceback (most recent call last): File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins\processing\algs\qgis\Union.py", line 101, in processAlgorithm indexB = QgsSpatialIndex(sourceB.getFeatures(QgsFeatureRequest().setSubsetOfAttributes([]).setDestinationCrs(sourceA.sourceCrs())), feedback) Exception: unknown Execution failed after 0.04 seconds  on 2.18.12 the intersection operation is blocked with a clear message  GEOS geoprocessing error: One or more input features have invalid geometry.  while the union it is not (not even a message in the log), and a wrong results is produced and added to the project.</pre>	

#### History

#1 - 2017-09-13 11:22 AM - Giovanni Manghi

- Description updated

**#2 - 2017-10-17 04:42 PM - Giovanni Manghi**

This dataset

<https://issues.qgis.org/attachments/download/11567/TestForBugs.zip>

causes the buffer tool in QGIS 3 to lock completely the program (the layer has invalid geometries).

**#3 - 2017-10-30 07:00 AM - Nyal Dawson**

- Assignee changed from Victor Olaya to Nyal Dawson

**#4 - 2017-11-01 11:04 AM - Steve Lowman**

*This dataset*

<https://issues.qgis.org/attachments/download/11567/TestForBugs.zip>

*causes the buffer tool in QGIS 3 to lock completely the program (the layer has invalid geometries).*

Additional resources, such as video demos and user experience reports are available at closed bug report #17291, where the above test file originated.

More recently, the OGR 'Buffer Vectors' tool has also been failing me, simply failing to run. This surprised me, as I had never seen such behaviour in the old fTools vector menu tool, and I thought I read somewhere they were the same algorithm. Something is not the same for those two anyway. It is a separate issue that I must report on its own, because this #17132 is about the QGIS tools, including 'Fixed Distance Buffer', not the OGR tool, and not the fTools tool.

**#5 - 2018-01-18 05:13 AM - Nyal Dawson**

- Resolution set to fixed/implemented

- Status changed from Open to Closed

Fixed in master