

QGIS Application - Bug report #10917

Python error with QGIS Clip

2014-07-20 10:39 AM - Randal Hale

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Processing/QGIS	
Affected QGIS version:	master	Regression?:
Operating System:		Easy fix?:
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 19280

Description

I'm attempting to clip a shapefile of contours by a small study area. This will be a bit long - sorry: On Ubuntu-unstable at 34% complete:

An error has occured while executing Python code:

Traceback (most recent call last):

File "/usr/share/qgis/python/plugins/fTools/tools/doGeoprocessing.py", line 316, in run

geos, feature, match, error = self.clip()

File "/usr/share/qgis/python/plugins/fTools/tools/doGeoprocessing.py", line 1537, in clip

geom = QgsGeometry(inFeatA.geometry())

TypeError: arguments did not match any overloaded call:

QgsGeometry(): too many arguments

QgsGeometry(QgsGeometry): argument 1 has unexpected type 'NoneType'

Python version:

2.7.6 (default, Mar 22 2014, 23:03:41)

[GCC 4.8.2]

QGIS version:

2.4.0-Chugiak Chugiak, exported

Python path: ['/usr/share/qgis/python/plugins/processing', '/home/rjhale/.qgis2/python/plugins/opengeo/ext-libs/httplib2-0.8-py2.7.egg', '/home/rjhale/.qgis2/python/plugins/opengeo/ext-libs/requests-2.0.1-py2.7.egg', '/home/rjhale/.qgis2/python/plugins/opengeo/ext-libs/raven-3.5.1-py2.7.egg', '/home/rjhale/.qgis2/python/plugins/opengeo/ext-libs/gsconfig-0.6.6-py2.7.egg', '/home/rjhale/.qgis2/python/plugins/opengeo/ext-libs/gsimporter-0.1-py2.7.egg', '/home/rjhale/.qgis2/python/plugins/opengeo/ext-libs/nose-1.3.0-py2.7.egg', '/home/rjhale/.qgis2/python/plugins/opengeo/ext-libs/nose_html-1.1-py2.7.egg', '/home/rjhale/.qgis2/python/plugins/opengeo/ext-libs/coverage-3.7-py2.7-win32.egg', '/usr/share/qgis/python', u'/home/rjhale/.qgis2/python', u'/home/rjhale/.qgis2/python/plugins', '/usr/share/qgis/python/plugins', '/usr/lib/python2.7', '/usr/lib/python2.7/plat-x86_64-linux-gnu', '/usr/lib/python2.7/lib-tk', '/usr/lib/python2.7/lib-old', '/usr/lib/python2.7/lib-dynload', '/usr/local/lib/python2.7/dist-packages', '/usr/lib/python2.7/dist-packages', '/usr/lib/python2.7/dist-packages/PILcompat', '/usr/lib/python2.7/dist-packages/gtk-2.0', '/usr/lib/pymodules/python2.7', '/usr/lib/python2.7/dist-packages/ubuntu-sso-client', '/usr/lib/python2.7/dist-packages/wx-2.8-gtk2-unicode', '/home/rjhale/.qgis2/python/plugins/opengeo/ext-libs', '/home/rjhale/.qgis2/python/plugins/DigitizingTools/tools', '/home/rjhale/.qgis2/python/plugins/MetaSearch/ext-libs', '/usr/share/qgis/python/plugins/fTools/tools']

on windows at 35%:

An error has occurred while executing Python code:

Traceback (most recent call last):

File "C:\\OSGEO4~1\\apps\\qgis\\python\\plugins\\fTools\\tools\\doGeoprocessing.py", line 316, in run
geos, feature, match, error = self.clip()

File "C:\\OSGEO4~1\\apps\\qgis\\python\\plugins\\fTools\\tools\\doGeoprocessing.py", line 1537, in clip
geom = QgsGeometry(inFeatA.geometry())

TypeError: arguments did not match any overloaded call:

QgsGeometry(): too many arguments

QgsGeometry(QgsGeometry): argument 1 has unexpected type 'NoneType'

Python version:

2.7.5 (default, May 15 2013, 22:44:16) [MSC v.1500 64 bit (AMD64)]

QGIS version:

2.4.0-Chugiak Chugiak, 8fdd08a

Python path: ['C:/OSGEO4~1/apps/qgis/.python/plugins\\processing', 'C:/OSGEO4~1/apps/qgis/.python',
u'C:/Users/rjhale/.qgis2/python', u'C:/Users/rjhale/.qgis2/python/plugins', 'C:/OSGEO4~1/apps/qgis/.python/plugins',
'C:\\\\OSGEO4~1\\\\bin\\\\python27.zip', 'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\DLLs', 'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\plat-win', 'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\lib-tk', 'C:\\\\OSGEO4~1\\\\bin',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27', 'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\PIL',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\jinja2-2.7.2-py2.7.egg',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\markupsafe-0.23-py2.7-win-amd64.egg',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\pytz-2012j-py2.7.egg',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\win32',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\win32\\\\lib',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\Pythonwin',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\Shapely-1.2.18-py2.7-win-amd64.egg',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\six-1.3.0-py2.7.egg',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\wx-2.8-msw-unicode',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\xlrd-0.9.2-py2.7.egg',
'C:\\\\OSGEO4~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\xlwt-0.7.5-py2.7.egg',
'C:\\\\OSGEO4~1\\\\apps\\\\qgis\\\\python\\\\plugins\\\\fTools\\\\tools']

History

#1 - 2014-07-21 05:14 AM - Giovanni Manghi

- Subject changed from Bug with Geoprocessing Clip on Ubuntu 1404 and OSGEO4w 64bit to Python error with QGIS Clip
- Affected QGIS version changed from 2.4.0 to master
- OS version deleted (Windows 7 OSGEO4W 64 bit)
- Operating System deleted (Ubuntu 14.04 Windows 7)
- Category changed from GDAL Tools to 44

Sample data is here

<https://drive.google.com/folderview?id=0B8WLTz606XDdOTNkN0xhenVCX0k&usp=sharing>

The error is confirmed as well in the same tool in the Processing Toolbox. The equivalent tool in SAGA (always in Processing) also fails with a "corrupted shapefile" error.

This made me think, so before running the clip operation (in the Processing toolbox) I made a select by location with the clip polygon, then clipped. This way it works. So it seems there is some geometry that created issues to the clipping tool, not only QGIS one.

I would be nice to catch the error and throw a better error message.

Anyway using GRASS v.overlay (always in the processing toolbox) works without issue, even without making the selection beforehand.

#2 - 2014-07-21 05:16 AM - Giovanni Manghi

This made me think, so before running the clip operation (in the Processing toolbox) I made a select by location with the clip polygon, then clipped. This way it works. So it seems there is some geometry that created issues to the clipping tool, not only QGIS one.

PS

because in the Processing toolbox there is the option (by default) to make the tools work using just the selected features.

#3 - 2016-01-18 06:02 AM - Alexander Bruy

- Status changed from Open to Feedback

Test data not available anymore. Can you upload them somewhere?

#4 - 2016-01-29 09:19 AM - Alexander Bruy

Should be fixed in master. Please check

#5 - 2016-03-03 06:19 PM - Randal Hale

- Status changed from Feedback to Closed

#6 - 2017-05-01 01:21 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.