QGIS Application - Bug report #17287
OGR processing of scratch layers doesn't work

2017-10-16 01:29 AM - Tobias Wendorff

Status:	Closed			
Priority:	Normal			
Assignee:	Giovanni Manghi			
Category:	Processing/OGR			
Affected QGIS version:	2.18.13		**Regression?:**	Yes
Operating System:			**Easy fix?:**	No
Pull Request or Patch supplied:	No		**Resolution:**	
Crashes QGIS or corrupts data:	No		**Copied to github as #:**	25185

Description

I've created a point on a scratch layer (EPSG:4326) and want to create an ogr2ogr buffer using "processing".
The result is an error, as you can see on the animated gif attached.

Associated revisions

Revision 4a51c408 - 2017-10-24 02:33 PM - Alexander Bruy

[processing] correctly handle layers without attributes in GDAL-based

geoprocessing algorithms (fix #17287)

Revision 034baf1b - 2017-10-26 11:19 AM - Nyall Dawson

Merge pull request #5436 from alexbruy/processing-gdal-memory

[processing] correctly handle layers without attributes in GDAL-based geoprocessing algorithms (fix #17287)

History

#1 - 2017-10-16 01:30 AM - Tobias Wendorff

Copy of the error message:

Algorithm 'Buffer vectors' starting...
Input parameters:
{ 'INPUT' : 'Point?crs=EPSG:4326&uid={fb3f5b3a-77ef-461f-876b-8e13f9e20cf4}', 'GEOMETRY' : 'geometry', 'DISTANCE' : 10, 'FIELD' : '',
'DISSOLVE' : False, 'EXPLODE_COLLECTIONS' : False, 'OPTIONS' : '', 'OUTPUT' :
'C:/Users/test/AppData/Local/Temp/processing_b3eeb99e5a0c4e5f990f7c7b7d49a8d6/beb3eb9ca76546efa9be8f327ce40fa4/OUTPUT.shp' }

GDAL command:
ogr2ogr
"C:/Users/test/AppData/Local/Temp/processing_b3eeb99e5a0c4e5f990f7c7b7d49a8d6/beb3eb9ca76546efa9be8f327ce40fa4/OUTPUT.shp"
C:/Users/test/AppData/Local/Temp/processing_b3eeb99e5a0c4e5f990f7c7b7d49a8d6/0db7b207ed4a459799cd887f39ac6a98/INPUT.shp
-dialect sqlite -sql "SELECT ST_Union(ST_Buffer(geometry, 10.0)) AS geometry, FROM 'INPUT'" -f "ESRI Shapefile"
GDAL command output:
ERROR 1: In ExecuteSQL(): sqlite3_prepare_v2(SELECT ST_Union(ST_Buffer(geometry, 10.0)) AS geometry, FROM 'INPUT'):
near "FROM": syntax error
Execution completed in 0.64 seconds
Results:
{'OUTPUT': <QgsProcessingOutputLayerDefinition

{'sink':C:/Users/test/AppData/Local/Temp/processing_b3eeb99e5a0c4e5f990f7c7b7d49a8d6/beb3eb9ca76546efa9be8f327ce40fa4/OUTPUT.shp, 'createOp
hp, 'createOptions': {'fileEncoding': 'System'}}>}

Loading resulting layers
Algorithm 'Buffer vectors' finished

Seems like the **comma** is wrong :)

#2 - 2017-10-16 01:42 AM - Tobias Wendorff

Argh... of course the comma is wrong. It expects a field! But this isn't needed...

#3 - 2017-10-16 01:48 AM - Nyall Dawson

- Status changed from Open to Feedback

Does it work correctly if you add a field to the memory layer?

I suspect this issue isn't related to the use of a memory layer, but rather that the algorithms don't work correctly with layers with no fields. In which case it's
likely also an issue in 2.x

#4 - 2017-10-16 02:15 AM - Tobias Wendorff

Nyall Dawson wrote:

> *Does it work correctly if you add a field to the memory layer?*

Yes it does.

> *I suspect this issue isn't related to the use of a memory layer, but rather that the algorithms don't work correctly with layers with no fields. In which*
> *case it's likely also an issue in 2.x*

It didn't work in 2.x:

Algorithm Buffer vectors starting...

cannot concatenate 'str' and 'NoneType' objects See log for more details

But it should work in ogr2ogr! Without the comma, I'm getting the correct result.

ogr2ogr

"C:/Users/test/AppData/Local/Temp/processing_b3eeb99e5a0c4e5f990f7c7b7d49a8d6/beb3eb9ca76546efa9be8f327ce40fa4/OUTPUT.shp"
C:/Users/test/AppData/Local/Temp/processing_b3eeb99e5a0c4e5f990f7c7b7d49a8d6/0db7b207ed4a459799cd887f39ac6a98/INPUT.shp
-dialect sqlite -sql "SELECT ST_Union(ST_Buffer(geometry, 10.0)) AS geometry, FROM 'INPUT'" -f "ESRI Shapefile"

Could you perhaps add the comma only, if **fields.length > 0** ?

#5 - 2017-10-16 10:24 AM - Nyall Dawson

- Affected QGIS version changed from master to 2.18.13

#6 - 2017-10-16 12:45 PM - Giovanni Manghi

isn't this duplicate of #16524 ?

#7 - 2017-10-16 12:51 PM - Tobias Wendorff

Giovanni Manghi wrote:

> isn't this duplicate of #16524 ?

No, I'm using the core function and my processing doesn't start at all, since the OGR commandline breaks.

#8 - 2017-10-16 12:54 PM - Giovanni Manghi

- Status changed from Feedback to Open

- Assignee changed from Victor Olaya to Giovanni Manghi

#9 - 2017-10-16 12:54 PM - Giovanni Manghi

- Subject changed from QGIS3: OGR processing of scratch layers doesn't work to OGR processing of scratch layers doesn't work

#10 - 2017-10-17 07:26 PM - Giovanni Manghi

I have a fix in the works for master/qgis3 (for the buffer tool at least), for qgis2 I really think that the issue is the same of #16524 : in Processing scratch layers (with or without fields) are not supported.

#11 - 2017-10-25 12:24 AM - Giovanni Manghi

A better and more complete fix for master https://github.com/qgis/QGIS/pull/5436

#12 - 2017-10-26 11:18 AM - Alexander Bruy

- % Done changed from 0 to 100

- Status changed from Open to Closed

Applied in changeset commit:qgis|4a51c40821bc5adca738cab79b9b9c3672de8b7f.

Files

qgis3_bug_gdal_scratch.gif	236 KB	2017-10-15		Tobias Wendorff