

## QGIS Application - Feature request #21875

### add support for "triangles" PostGIS geometry type

2019-04-17 06:10 PM - Darafei Praliaskouski

<b>Status:</b>	Open	<b>Resolution:</b> <b>Copied to github as #:</b> 29690
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Data Provider/PostGIS	
<b>Pull Request or Patch supplied:</b>		
<b>Easy fix?:</b>	No	
<b>Description</b>		
<p>I have a table of TRIANGLE's in PostGIS. QGIS shows it as Polygon layer, and when I click using Identify tool on triangles, they show up, but they are not rendered by main map as polygons.</p>		

#### History

##### #1 - 2019-04-18 01:30 PM - Giovanni Manghi

- Status changed from Open to Feedback

Can you attach a sump of the table (even with sample data)?

##### #2 - 2019-04-18 01:38 PM - Darafei Praliaskouski

- File *triangles.sql.bz2* added

Please find dump attached. (why 5mb limit?:)

##### #3 - 2019-04-18 02:01 PM - Giovanni Manghi

the layer loads here, but is not identifiable or selectable or editable, is that what you mean?

##### #4 - 2019-04-18 02:14 PM - Darafei Praliaskouski

- File *2019-04-18 151330.jpg* added

Layer loads for me, it is identifiable but renders nothing. If I click somewhere contours of objects render.

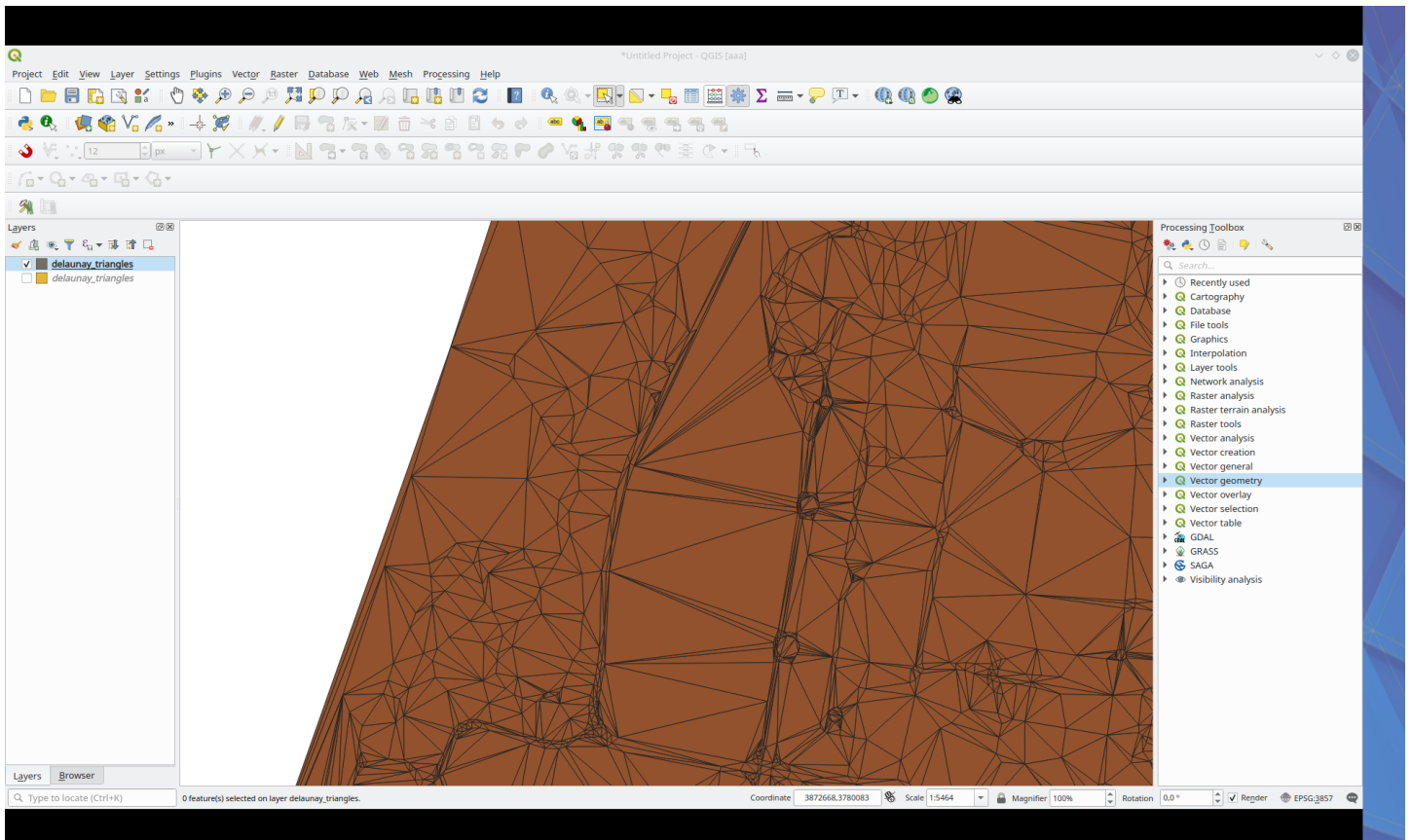
##### #5 - 2019-04-18 02:17 PM - Giovanni Manghi

- File *Screenshot\_20190418\_131631.png* added

Darafei Praliaskouski wrote:

| Layer loads for me, it is identifiable but renders nothing. If I click somewhere contours of objects render.

map show here, not identifiable or selectable (is editable, it just needs a primary key).



#### #6 - 2019-04-18 04:08 PM - Darafei Praliaskouski

Found it. "Simplify on provider's side if possible" triggers this.

...

```
gis=# select ST_Simplify(geom, 0) from delaunay_triangles limit 10;
ERROR: lwgeom_simplify_in_place: unsupported geometry type: Triangle
...
```

I will try to fix this on PostGIS side, but that will be PostGIS v3+ since it's essentially a feature. Would be great to see this error on UI somewhere at least.

PostGIS ticket: <https://trac.osgeo.org/postgis/ticket/4380>

#### #7 - 2019-04-18 08:27 PM - Giovanni Manghi

- Tracker changed from Bug report to Feature request
- Subject changed from Triangle in PostGIS is half-working to add support for "triangles" PostGIS geometry type
- Status changed from Feedback to Open

#### #8 - 2019-05-15 08:21 PM - Darafei Praliaskouski

these functions shouldn't fail on triangles in PostGIS starting next release:

<https://github.com/postgis/postgis/commit/4335b10ac3152c9a5a8008dc022a8b50adac66c6>

## Files

triangles.sqld.bz2	4.26 MB	2019-04-18	Darafei Praliaskouski
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2019-04-18 151330.jpg	231 KB	2019-04-18	Darafei Praliaskouski
Screenshot_20190418_131631.png	682 KB	2019-04-18	Giovanni Manghi