

QGIS Application - Bug report #19900

Compute min/max/sum/mean (stats) while Dissolving layer not working (GDAL tool)

2018-09-20 05:42 AM - facundo pedemonte

| | | |
|---|------------|-------------------------------------|
| Status: | Closed | |
| Priority: | Normal | |
| Assignee: | | |
| Category: | GDAL Tools | |
| Affected QGIS version: | 3.2.3 | Regression?: No |
| Operating System: | Windows 10 | Easy fix?: Yes |
| Pull Request or Patch applied: | Yes | Resolution: |
| Crashes QGIS or corrupts data: | No | Copied to github as #: 27724 |
| Description | | |
| <p>The Dissolve and calculate the Statistical Values of a numerical field operations, performed by the GDAL tool, results in incorrect values. Instead of calculating the statistics on the field indicated in the menu "Compute min / max / sum / mean for X attribute", it is done on the field "Dissolve Field". The console's own message shows it: ogr2ogr "C:/Users/Facu/Downloads /Facu QGIS1 /Brandsen/Shape/test.gpkg" path_to_data_file -dialect sqlite -sql "SELECT ST_Union (geometry) AS geometry, Name, SUM (Name) AS sum, MIN (Name) AS min, MAX (Name) AS max, AVG (Name) AS avg FROM layer_name GROUP BY Name "-f" GPKG".</p> <p>The calculation should be done on the indicated numerical field (e.g. Population), not on the one used to perform the dissolution (e.g. State_name), which is not a numerical.</p> <p>More info: https://gis.stackexchange.com/questions/296487/qgis-dissolve-polygons-to-create-new-layer-with-stats-not-working</p> <p>Regards</p> | | |

Associated revisions

Revision a3af1f9f - 2018-09-25 03:14 AM - Nyal Dawson

[processing][gdal] Add unit tests for Dissolve algorithm

Also:

Thanks to @agiudiceandrea:

Fixes #19900

Statistics were erroneously computed on the dissolve field, rather than on the statistic attribute field as it should be.

Fixes #19307

Handle filenames with white spaces (in the same way as Buffer, OffsetCurve, OneSideBuffer, PintsAlongLines algs).

History

#1 - 2018-09-20 11:06 AM - Andrea Giudiceandrea

PR <https://github.com/qgis/QGIS/pull/7964> submitted for QGIS 3.3.0-master

You can fix your Dissolve algorithm python script by changin line 157 in [QGIS install dir]\apps\qgis\python\plugins\processing\algs\gdal\Dissolve.py

from

```
statsField = self.parameterAsString(parameters, self.FIELD, context)
```

to

```
statsField = self.parameterAsString(parameters, self.STATISTICS_ATTRIBUTE, context)
```

- #2 - 2018-09-20 12:57 PM - Alessandro Pasotti**
- Pull Request or Patch supplied changed from No to Yes
- Status changed from Open to In Progress

Please update status and "PR/patch supplied" if you are working on a bug, this spares some clicks to other developers looking for tickets to work on.

- #3 - 2018-09-20 02:50 PM - Andrea Giudiceandrea**

I'm not allowed to update the bug status.

- #4 - 2018-09-20 08:05 PM - facundo pedemonte**

Andrea Giudiceandrea wrote:

```
PR https://github.com/qgis/QGIS/pull/7964 submitted for QGIS 3.3.0-master

You can fix your Dissolve algorithm python script by changin line 157 in [QGIS install dir]\apps\qgis\python\plugins\processing\algs\gdal\Dissolve.py

from

[...]

to

[...]
```

Thanks, this solved the issue.

- #5 - 2018-09-25 03:13 AM - Nyal Dawson**
- % Done changed from 0 to 100
- Status changed from In Progress to Closed

Applied in changeset commit:qgis|a3af1f9f3a3e997614ffe8577be930a62c30fcc6.

| Files | | | |
|------------|--------|------------|-------------------|
| image2.jpg | 126 KB | 2018-09-20 | facundo pedemonte |

| | | | |
|------------|---------|------------|-------------------|
| image1.jpg | 406 KB | 2018-09-20 | facundo pedemonte |
| image3.jpg | 34.1 KB | 2018-09-20 | facundo pedemonte |