

QGIS Application - Bug report #16628

Count Unique Points in Polygons seems to fail inside a loop (PyQGIS)

2017-05-26 10:14 PM - Diego García Díaz

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Processing/QGIS	
Affected QGIS version:	2.18.8	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 24528

Description

Hi,

I have been using the tool 'is:countuniquepointsinpolygon' inside a loop with 4000 polygons and a shapefile with 500000 points. The tool runs without any issue, but when I look at the result field, the maximum value that it gets is 2 (which is incorrect). If I run the tool from the toolbox, just for one polygon I get correct results, but for one reason inside the loop never go over 2 (maybe something with memory available?). Besides, this happens with a huge number of points, if I run the loop with a smaller shapefile point, it throws correct results.

I have uploaded to my Dropbox 5 polygons and a 10% of the points (I also get wrong values with this small sub dataset):

<https://www.dropbox.com/sh/f5982yd8dovsng3/AAAwVmbtGc4uSOhi96GLHP4a?dl=0>

And the script that I wrote is this:

-----Code-----

```
import os, processing
```

```
1. Set local variables
```

```
path = r'my\base\path\Dissolves'
continents = r'\somepath\points.shp'
outpath = r'path\to\outfile'
```

```
1. Creamos la lista de shapes
```

```
shpList = [os.path.join(path, i) for i in os.listdir(path) if i.endswith('.shp') and not 'point' in i]
print('creada lista de', len(shpList), 'shapes')
```

```
for shp in shpList:
```

```
    outShp = os.path.join(outpath, os.path.split(shp)[1])
    print('Haciendo especie:', os.path.split(shp)[1])
    try:
```

```
1. Ejecutamos el join espacial dentro de un tr por si hubiera algun error poder continuar al siguiente shape
```

```
    processing.runalg('qgis:countuniquepointsinpolygon', shp, continents, 'issued', 'NUMPOINTS', outShp)
except Exception as e:
    print('Error', e, os.path.split(shp)[1])
    continue
```

-----End Code-----

Thanks for your help!

Best regards,
Diego Garcia Diaz

History

#1 - 2017-05-26 11:42 PM - Giovanni Manghi

- *Project changed from QGIS Redmine (QGIS bug tracker) to QGIS Application*
- *Easy fix? set to No*
- *Regression? set to No*
- *Crashes QGIS or corrupts data set to No*
- *Affected QGIS version set to 2.18.8*
- *Category changed from Any to Python plugins*

#2 - 2017-05-30 07:24 AM - evangelos vafeiadis

try:

1. *Ejecutamos el join espacial dentro de un tr por si hubiera algun error poder continuar al siguiente shape*
processing.runalg('qgis:countuniquepointsinpolygon', shp, continents, 'issued', 'NUMPOINTS', outShp)

Hello Giovanni,

your input parameters seem to be wrong. It's 'isseed' instead of 'issued'. Could you try again?

#3 - 2017-05-30 07:36 AM - evangelos vafeiadis

PS. Can you assign the bug to me? I plan to a bit of extra code to catch an error like this.

#4 - 2018-01-04 07:48 PM - Borys Jurgiel

- *Category changed from Python plugins to Processing/QGIS*

I'm updating the category. Unfortunately I have no idea how to assign it to you. Giovanni, are you around?

#5 - 2018-02-02 09:14 AM - Alexander Bruy

- *Status changed from Open to Feedback*

Please check with latest 2.18 and master.

#6 - 2018-05-16 02:22 PM - Alexander Bruy

- *Status changed from Feedback to Closed*

Closed for the lack of feedback. Please reopen if necessary.