Problem After Closing Redistricting Plugin 06-30.docx

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Github - Report Issue
https://github.com/johnpholden/qgis3redistricter/issues

email resdistricting@stattosoftware.com

contact form http://www.stattosoftware.com/consulting/contact-us/

Problem: When reloading a previously created Plan, the Redistricting Attributes Panel does not display correct information. I created a Plan with 5 districts. After reopening the Plan the Attributes Panel displays the following rows: Unassigned, NULL, 1, 2, 3, 4.

Steps: Create new basic plan with 5 districts -- no extra options. Assign some polygons to District 1. Save the QGIS project. Close QGIS. Reopen QGIS. Reload the Redistricting Plan previously created. (Same problem results when you keep QGIS open and just close the Redistricting Plugin Main Panel, and then restart the Redistricting Plugin and reopen the Plan.)

Shapes and data file: ct_bg_proj_P2_2020tiger.zip. Download URL: https://redistrictingdatahub.org/dataset/20212030-ct-hastaqdna-population-projections-joined-to-2020-census-block-groups-p2/
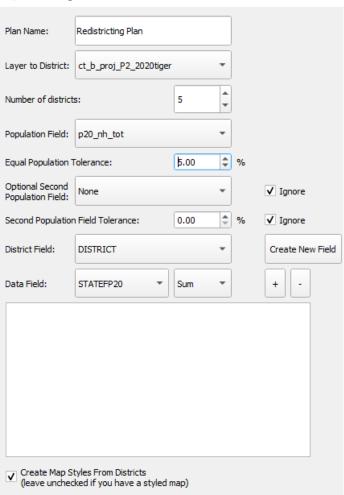
Configuration: Windows 10 with most recent updates. QGIS version 3.20.0-Odense (downloaded on 6/30/2021). Plugin: Statto Redistricter QGISv3, Installed Version: 2.1.3. (I had the same problem with the plugin in QGIS 3.16, before installing QGIS 3.20.)

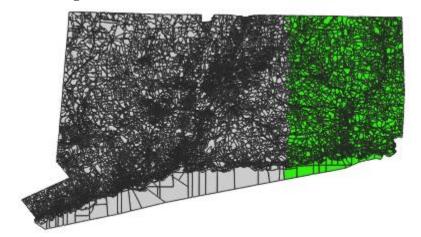See also attached PDF, with screen shots.

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1. Create new plan

Redistricting Parameters

Plan Name:	Redistricting Plan
Layer to District:	ct_b_proj_P2_2020tiger ▼
Number of districts:	5
Population Field:	p20_nh_tot ▼
Equal Population Tolerance:	5.00 ⬍ %
Optional Second Population Field:	None ▼ ☑ Ignore
Second Population Field Tolerance:	0.00 ⬍ % ☑ Ignore
District Field:	DISTRICT ▼ Create New Field
Data Field:	STATEFP20 ▼ Sum ▼ + -

☑ Create Map Styles From Districts
(leave unchecked if you have a styled map)

2. Assign blocks to District 1

Attributes

#	Lock	Population	To Target	Dev%
0 Unassigned	☐	2,610,059	-2,005,839	331.97%
1 1	☐	411,039	193,181	-31.97%
2 2	☐	0	604,220	-100.0%
3 3	☐	0	604,220	-100.0%
4 4	☐	0	604,220	-100.0%
5 5	☐	0	604,220	-100.0%

Looks good so far.

3. Close the main QGIS Redistricting Tool panel.

4. Restart the Redistricting Plugin and open the Plan created already.

The Redistricting Tool Attributes panel is now missing District 5. In other testing I've done, where I've already assigned blocks to District 5, District 5 block assignments appear to have been move to "Assigned".

Attributes

#	Lock	Population	To Target	Dev%
0 Unassigned	☐	0	604,220	-100.0%
1 NULL	☐	2,610,059	-2,005,839	331.97%
2 1	☐	411,039	193,181	-31.97%
3 2	☐	0	604,220	-100.0%
4 3	☐	0	604,220	-100.0%
5 4	☐	0	604,220	-100.0%

I tried Refresh Attribute Table -- that didn't help.

Log messages when opening the Plan:
2021-06-30T19:33:15   WARNING   {'': , '1': , '2': , '3': , '4': , '5': }
2021-06-30T19:33:15   WARNING   Locking...
2021-06-30T19:33:15   WARNING   ...locked. {'NULL': 0, '0': 0, '1': 0, '2': 0, '3': 0, '4': 0}

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Plugin info: Statto Redistricter QGISv3
  Installed Version: 2.1.3

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QGIS

| QGIS version | 3.16.2-Hannover | QGIS code revision | f1660f9da5 |

Compiled against Qt	5.11.2	Running against Qt	5.11.2
Compiled against GDAL/OGR	3.1.4	Running against GDAL/OGR	3.1.4
Compiled against GEOS	3.8.1-CAPI-1.13.3	Running against GEOS	3.8.1-CAPI-1.13.3
Compiled against SQLite	3.29.0	Running against SQLite	3.29.0
PostgreSQL Client Version	11.5	SpatiaLite Version	4.3.0
QWT Version	6.1.3	QScintilla2 Version	2.10.8
Compiled against PROJ	6.3.2	Running against PROJ	Rel. 6.3.2, May 1st, 2020
OS Version	Windows 10 (10.0)		
Active python plugins	DataPlotly; DissolveWithStats; qgis3redistricter-master; quick_map_services; db_manager; MetaSearch; processing		

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Same problem after updating GQIS to latest version:

QGIS version
3.20.0-Odense
QGIS code revision
decaadbb31
Qt version
5.15.2
Python version
3.9.5
GDAL/OGR version
3.3.0
PROJ version
8.0.1
EPSG Registry database version
v10.018 (2021-04-02)
GEOS version
3.9.1-CAPI-1.14.2
SQLite version
3.35.2
PDAL version
2.3.0
PostgreSQL client version
13.0
SpatiaLite version
5.0.1
QWT version

6.1.3
QScintilla2 version
2.11.5

Active Python plugins
DataPlotly
DissolveWithStats
qgis3redistricter-master
quick_map_services
db_manager
MetaSearch
processing