QGIS Application - Bug report #13081
Zonal Statistics miscalculates when handling polygons without raster cells within its boundaries

2015-07-06 07:45 AM - Tobias Klinge

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Analysis library			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	worksforme	
Crashes QGIS or corrupts data:		**Copied to github as #:**	21149	

Description

I believe the title says it all.

Working with the attached sample data, Zonal Statistics ended up calculating *means*, *medians* etc. for polygons (no apparent geometry issues) that have no valid raster cells underneath. Note, however, that this does not happen all the time since some returns were indeed NULL (as they should be). One indicator for faulty results is clearly that *count* returns floats instead of integers.

Except for this, the plugin worked fine - thanks again for expanding its options. Hopefully, this can be resolved quickly.

Best regards

tjk

History

#1 - 2015-07-31 11:17 AM - Giovanni Manghi

- *Category set to 115*

- *Priority changed from Normal to High*

- *Affected QGIS version changed from 2.10.0 to master*

- *Crashes QGIS or corrupts data changed from No to Yes*

This is confirmed to affect the core c++ plugin, while the same tool in the Processing toolbox seems ok.

#2 - 2016-01-19 04:12 AM - Alexander Bruy

- *Tag deleted (zonal-statistics)*

In fact almost all polygons in the attached dataset have raster within their boundaries, but this is NODATA value. Even plogon in the middle of the raster has wrong statistics.

And I can not reproduce this bug with clipped part of the attached raster/vector layers.

#3 - 2017-01-02 01:10 AM - Giovanni Manghi

- *Category changed from 115 to Analysis library*

#4 - 2017-01-02 01:27 AM - Giovanni Manghi

- *Target version set to Version 3.0*

#5 - 2017-03-07 09:21 AM - Giovanni Manghi

- *Crashes QGIS or corrupts data changed from Yes to No*

- *Status changed from Open to Closed*

- Priority changed from High to Normal

- Resolution set to worksforme

Results are correct on 2.18.4 on both Linux and Windows.

Files

data.zip	154 KB	2015-07-06	Tobias Klinge