QGIS Application - Bug report #5163
points in polygon: does not count points on boundaries

2012-03-12 03:40 AM - alobo -

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Processing/QGIS			
Affected QGIS version:	1.7.4		**Regression?:**	
Operating System:	ubuntu 10.04		**Easy fix?:**	
Pull Request or Patch supplied:	No		**Resolution:**	fixed
Crashes QGIS or corrupts data:	No		**Copied to github as #:**	14915

Description

Results from points in polygon
are different than those obtained from R.
Results from qgis are always equal to or lower than
the number calculated by R.
Visual inspection indicates that only points on polygon boundaries
are affected.
In the attached layer quadratsnbpoints
nbp: calculated in R
PNTCNT: calculated by qgis

Associated revisions

Revision 9151fd58 - 2012-03-15 02:15 PM - Alexander Bruy

also count points that intersects polygon bounds (fix #5163)

Revision c936d031 - 2012-03-17 02:48 PM - Alexander Bruy

also count points that intersects polygon bounds (fix #5163)

History

#1 - 2012-03-14 12:09 PM - cfarmer -

This is because it isn't programmed to test for intersections :-p The tool checks for containment: It uses QgsGeometry.contains, rather than QgsGeometry.intersects. I suppose intersections would also be perfectly valid, but it **is** called 'points **in** polygon' :-p
I don't have a development environment set up at the moment, so can't fix/implement this right away - so will leave this ticket open. Any other developers want a quick fix? Just change line 143 in doPointsInPolygon from "   if inGeom.contains(tmpGeom.asPoint()):" to "   if inGeom.intersects(tmpGeom):".

Carson

#2 - 2012-03-15 06:56 AM - Alexander Bruy
- Status changed from Open to Closed

Fixed in changeset commit:"9151fd583b5062a4e085bba70364cd3c0a0c4885".

#3 - 2012-03-15 06:57 AM - Alexander Bruy

- Resolution set to fixed

#4 - 2012-04-15 10:01 AM - Giovanni Manghi

- Target version changed from 35 to Version 1.8.0

#5 - 2017-05-01 01:22 AM - Giovanni Manghi

The "ftools" category is being removed from the tracker, changing the category of this ticket to "Processing/QGIS" to not leave the category orphaned.

Files

pointsingrid.zip	327 KB	2012-03-12	alobo -