

QGIS Application - Bug report #15072

Join Attributes by Location doesn't process integer attributes

2016-06-18 04:31 PM - Andrzej Popowski

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Processing/QGIS	
Affected QGIS version:	2.14.3	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	No	Copied to github as #: 23015
Description When executing "Join Attributes by Location" with option "Take summary of intersecting features", output shapefile doesn't include any summary of an integer attribute. Test example from Alaska dataset: join target layer "alaska" with "airports". Missing are summaries of integer attributes "ID" and "fk_region", present is summary of float attribute "ELEV". Function "Join Attributes by Location" works correctly in version 2.12.3, doesn't work in all versions 2.14 and current LTR 2.8.9. All tested versions are x64 releases on Windows 10.		
Related issues: Duplicated by QGIS Application - Bug report # 15121: Join Attributes by Locat... Rejected 2016-06-23		

Associated revisions

Revision 87fea736 - 2016-06-24 02:10 PM - Alexander Bruy

[processing] add support for longlong fields in spatial join alg (fix #15072)

Revision a5392fb5 - 2016-06-24 02:11 PM - Alexander Bruy

[processing] add support for longlong fields in spatial join alg (fix #15072)

(cherry picked from commit 87fea73647a2319aaa3c110cb26967f7f217d7f4)

History

#1 - 2016-06-21 06:20 AM - Alexander Bruy

Note that fTools was removed and now you should use Processing. Works fine in master with Processing.

#2 - 2016-06-21 06:23 AM - Alexander Bruy

Also works with 2.14.3 using Processing.

#3 - 2016-06-21 06:24 AM - Alexander Bruy

- Status changed from Open to Feedback

#4 - 2016-06-22 05:14 AM - Andrzej Popowski

Processing doesn't work correctly either in 2.14.3, when I use csv map as target layer. The same processing procedure works in 2.13.3. I guess it should be other ticket?

#5 - 2016-06-23 09:02 AM - Alexander Bruy

Andrzej Popowski wrote:

I guess it should be other ticket?

Yes.

Please tests also with master, and if you will create another ticket please provide sample dataset and steps to reproduce issue.

#6 - 2016-06-24 02:39 AM - Andrzej Popowski

I see you have rejected ticket for processing as a duplicate. I'm confused.

I don't know how to install fTools in master, while I can confirm that problem exist in master and processing procedure. Do you need more information?

#7 - 2016-06-24 02:50 AM - Alexander Bruy

- File *spatial-join.png* added

Andrzej Popowski wrote:

I see you have rejected ticket for processing as a duplicate. I'm confused.

It was exactly the same as this one.

I don't know how to install fTools in master, while I can confirm that problem exist in master and processing procedure. Do you need more information?

You can't install fTools, it was a core plugin and now it removed from QGIS.

I can't reproduce your issue with master and 2.14.3. Joining using alaska.shp as "target layer" and airports.shp as "join" layer with "intersects" predicate I get correct result, see attached screenshot.

Please check that you use Processing shipped with QGIS, not from your `~/qgis2/python/plugins` directory. If you have Processing installed in `~/qgis2/python/plugins` — remove it.

#8 - 2016-06-24 04:22 AM - Andrzej Popowski

I guess problem is the same in both tickets, only this one deals with outdated feature. Maybe better reject this one and continue in processing?

Are you testing Linux version? See comment at #15121, probably only Windows version is affected.

I'm not sure, which processing is executed. If I remove qgis-dev\python\plugins\processing then no processing is available in QGIS 2.15, so I think the executed plugin is there.

#9 - 2016-06-24 04:40 AM - Andrzej Popowski

- File jabl-v213.png added
- File jabl-v215.png added

These are result, that I get in Windows, processing in both versions.

#10 - 2016-06-24 05:12 AM - Alexander Bruy

- Status changed from Feedback to Closed

Fixed in changeset commit:"a5392fb51d0743458ba84c5a3841cae5b6a67718".

#11 - 2016-06-24 06:39 AM - Andrzej Popowski

I confirm, that your patch corrects the problem. Thanks for your work!

Similar patch for doSpatialJoin.py form fTools in 2.14 works too.

A note: isn't it a more general problem?

I mean test for "QVariant.Int" can lead to many similar problems. For example look at processing "Convex hull". If you use option "Create convex hull based on field", then QGIS 2.13 creates new layer with numeric attribute "value" while master creates string attribute, which could be unexpected.

#12 - 2016-12-30 08:05 AM - Andrzej Popowski

- Status changed from Closed to Reopened
- Target version set to Version 2.14

While problem is corrected in "processing" algorithms, it still exist in fwTools in LTR version 2.14.10. File doSpatialJoin.py should be corrected at line 153, probably doMeanCoords.py at line 77 and maybe more.

#13 - 2017-01-02 05:50 AM - Giovanni Manghi

- Category changed from 44 to Processing/QGIS

#14 - 2017-01-23 04:55 PM - Andrzej Popowski

- File doSpatialJoin.patch added

Problem still exist in QGIS LTR 2.14.11-1.

#15 - 2017-02-07 03:28 AM - Alexander Bruy

- Status changed from Reopened to Closed
- Resolution set to fixed/implemented

Issue fixed in Processing and fix backported to all relevant branches. fTools is deprecated, use Processing instead.

Files				
spatial-join.png	109 KB	2016-06-24	Alexander Bruy	
jabl-v213.png	72.7 KB	2016-06-24	Andrzej Popowski	
jabl-v215.png	72.9 KB	2016-06-24	Andrzej Popowski	
doSpatialJoin.patch	797 Bytes	2017-01-23	Andrzej Popowski	