QGIS Application - Bug report #2629
fTools fail to rename duplicated field names if they are 10 char long

2010-04-05 11:24 AM - Borys Jurgiel

Status:	Closed			
Priority:	Low			
Assignee:	cfarmer -			
Category:	Python plugins			
Affected QGIS version:			**Regression?:**	No
Operating System:	All		**Easy fix?:**	No
Pull Request or Patch supplied:			**Resolution:**	fixed
Crashes QGIS or corrupts data:			**Copied to github as #:**	12689

Description

If I join two tables containing common 10-char-long field name, fTools try to add the "_" char to one of them, then truncate it and fail to write, with no warning message. Could it rename the field name in a more robust way or at least warn that the layer won't be created and why?

History

#1 - 2010-04-07 08:10 AM - Borys Jurgiel

I've just realized it's a common issue in all fTools.

#2 - 2010-04-14 12:24 AM - Alexander Bruy

This is not an fTools issue, this is limitation of ESRI Shapefile format (exactly DBF format). Field name must be <= 10 characters.

Here is patch to add some warnings to the "Join by attributes" and "Spatial join" tools

#3 - 2010-04-14 01:33 AM - Borys Jurgiel

The warnings are necessary, but I still suggest to truncate names to 8 characters before adding the suffix. It's extremely easy to implement and can help in many cases (not in all, of course).

#4 - 2010-04-14 01:50 AM - Alexander Bruy

Ok, here is another patch. Long names are truncated to 8 characters and then suffix added. But in this case warning are not necessary I think and we can remove it.

#5 - 2010-04-14 04:02 AM - Borys Jurgiel

They're still necessary, as one can have more than 2 affected fields. E.g. both "foobarfoo1" and "foobarfoo2" in both tables. It would be the best to add a computed suffix _(n+1) (thought it's still not ideal, as it could cause confusions)

#6 - 2010-04-14 05:04 AM - Alexander Bruy

Replying to [comment:6 borysiasty]:

> *It would be the best to add a computed suffix _(n+1) (thought it's still not ideal, as it could cause confusions)*

As far as I see computed suffixes _(n+1) are used

#7 - 2010-04-14 05:12 AM - Borys Jurgiel

Sorry, my fault! I've look too briefly into the code!

Anyway, I believe we should keep the warnings for a case if one has more than 9 very long names with common prefix in a non-dbf table (e.g. fobarfoo_temperature, fobarfoo_precipitation etc).

#8 - 2010-04-14 05:27 PM - cfarmer -

- Resolution set to fixed

- Status changed from Open to Closed

Patch applied in commit:71a9f815 (SVN r13314).

Carson

Files

add_warnings.diff	7.33 KB	2010-04-13	Alexander Bruy
trim_and_warnings.diff	7.7 KB	2010-04-13	Alexander Bruy