Gisaf - Support #6580

Join attributes by location -for importing shapefiles

06/09/2018 16:41 - Pavneet Kaur

Status:	Closed	**Start date:**	06/09/2018
Priority:	Normal	**Due date:**	
Assignee:	Giulio Di Anastasio	**% Done:**	100%
Category:		**Estimated time:**	0.00 hour
Target version:		**Spent time:**	0.00 hour

Description

Associated revisions

Revision 111ea9df - 07/09/2018 20:14 - Philippe May

Refs #6580: add OriginRawPoint model, add mechanism to find raw points in a shape, fill the OriginRawPoint table when importing shapefiles

Revision 3262ed23 - 08/09/2018 03:07 - Philippe May

Refs #6580: shapefile import: fixes, set surveyor and equipment if they are unique, use geoalchemy2.shape.from_shape instead of tweak

Revision 312985b3 - 08/09/2018 15:42 - Philippe May

Refs #6580: shapefile import: add accuracy from surveyor/equipment mapping, add geometry_type and indexes to AccuracyEquimentSurveyorMapping

History

#1 - 06/09/2018 16:41 - Pavneet Kaur

Similar tool - qgis function vector> datamanagement> join attribute by location

#2 - 06/09/2018 18:06 - Philippe May

Another related feature: store the raw survey points matching the feature, identified in the same process

#3 - 07/09/2018 10:18 - Philippe May

More details: from the points found for each shape, gisaf would copy the following attributes:

- surveyor id (what if not the same for all points found?)
- equipment id (what if not the same for all points found?)
- status (what if not the same for all points found?)
- date (most recent of all the points found)

Accuracy: as discussed earlier, the accuracy of line work also depends on the persons who do the work (eg, it can be very noticeable for curves). I think that this cannot be automated.

#4 - 08/09/2018 03:26 - Philippe May

- Assignee changed from Philippe May to Giulio Di Anastasio

The implementation uses a function to compute the distance between features and a configurable *epsilon* value (1 cm by default).

I have added a new table (origin_raw_point) that is filled with the raw survey points found in proximity of the shape.

The date of the feature is set to the latest date of the points.

The equipment and surveyor is set when all the raw points have the same information.

Messages are displayed about the numbers of points found, in the admin when importing the shapefile.

2 fundamental issues remain:

- accuracy depends on human factor (line work), so it's not set: i think it's quite meaningless to add this information now, given all the assumptions that it implies. Please create another ticket if required
- some shapes are created without raw points (eg., many of the "roofs" of the MM, which are visibly duplicated from an initial shape).

Giulio, back to you for review and testing (i'll put it in production tomorrow).

#5 - 08/09/2018 15:49 - Philippe May

Added accuracy if the surveyor and equipment is same for all raw points.

Also, added in the surveyor/equipment to accuracy mapping table a choice between Point and Line Work.

#6 - 10/09/2018 11:26 - Philippe May

- Status changed from New to Resolved

- % Done changed from 0 to 100

#7 - 11/02/2019 16:33 - Philippe May

- Status changed from Resolved to Closed