Relation reference widget wrong feature when "on map identification"

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
<td>High</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Alessandro Pasotti</td>
</tr>
<tr>
<td>Category:</td>
<td>Edit widget</td>
</tr>
<tr>
<td>Affected QGIS version:</td>
<td>3.4.6</td>
</tr>
<tr>
<td>Regression?:</td>
<td>Yes</td>
</tr>
<tr>
<td>Easy fix?:</td>
<td>No</td>
</tr>
<tr>
<td>Resolution:</td>
<td>fixed/implemented</td>
</tr>
<tr>
<td>Copied to github as #:</td>
<td>29884</td>
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</tbody>
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**Description**

If confirmed I think something is really weird. In attach the complete project.

- line layer with ID field
- table layer with FK field
- 1:N relation between line ID (parent) and table FK (child)
- table FK widget type set (automatically) as "relation reference" and the "On map identification" checkbox checked
- adding a line in the table layer and clicking on the "identify on map" button
- the FK field of the table layer is set to line layer ID - 1 (so when the line ID is 2 the FK of the table is 1)

Verified with the same project in QGIS 3.4.6 and master

**Associated revisions**

Revision 2b14dacd - 2019-05-21 07:09 PM - Alessandro Pasotti

Fix identify on map in relation reference widget

Fixes #22071 - Relation reference widget wrong feature when "on map identification"

**History**

#1 - 2019-05-20 02:14 PM - Alessandro Pasotti
- Status changed from Open to Feedback

I searched the whole code base but I cannot find any button labeled with "identify on map", let alone that I don't get how you can identify on map a table layer feature which has no geometry.

Can you please clarify?

#2 - 2019-05-20 02:16 PM - matteo ghetta
- File ksnip_20190520-135720.png added

Yep, see attached image.

#3 - 2019-05-20 02:21 PM - Alessandro Pasotti
I said: "I cannot find any button labeled with "identify on map""
not that I cannot find the options to set "On map identification"

#4 - 2019-05-20 02:24 PM - matteo ghetta

I'm trying to identify geometric object FROM a geometryless table. I thought it make sense: if I want to identify a geometric pipe that belongs to a not spatial worker.

#5 - 2019-05-21 10:45 AM - Giovanni Manghi

I'm also struggling to understand what is the issue and how replicate it.

#6 - 2019-05-21 10:59 AM - matteo ghetta

- File ezgif.com-video-to-gif.gif added

OK I try to be more clear:

- open the attached project
- a 1:N relation is already set up: Parent = 'Condotte' Field = 'ID', Child = 'operai' Field = 'FK'
- the labels on the condotte layers are taken from ID field
- select 'operai' and enter in the editing mode
- add another row in the table and, instead of entering manually in the FK field the ID of the condotte layer, click on the 'On map identification' button
- when clicking on, for example, condotte with label (and ID) = 2, the FK field is filled with 1 (ID - 1). Therefore the relation is wrong

A gif in attach

#7 - 2019-05-21 11:02 AM - Giovanni Manghi

matteo ghetta wrote:

OK I try to be more clear:

- open the attached project
- a 1:N relation is already set up: Parent = 'Condotte' Field = 'ID', Child = 'operai' Field = 'FK'
- the labels on the condotte layers are taken from ID field
- select 'operai' and enter in the editing mode
- add another row in the table and, instead of entering manually in the FK field the ID of the condotte layer, click on the 'On map identification' button
- when clicking on, for example, condotte with label (and ID) = 2, the FK field is filled with 1 (ID - 1). Therefore the relation is wrong

A gif in attach

Hi Matteo the gif is tiny, is not possible to read/see anything in it.

#8 - 2019-05-21 11:09 AM - matteo ghetta

OK here the link to the video that can be downloaded:
https://www.faunalia.eu/~matteo/qgis_bug/

#9 - 2019-05-21 01:35 PM - Alessandro Pasotti
- Assignee set to Alessandro Pasotti
- Status changed from Feedback to Open

#10 - 2019-05-21 07:13 PM - Alessandro Pasotti
- Status changed from Open to In Progress
- Pull Request or Patch supplied changed from No to Yes
- Resolution set to fixed/implemented

PR https://github.com/qgis/QGIS/pull/10047

#11 - 2019-05-22 11:01 AM - Alessandro Pasotti
- % Done changed from 0 to 100
- Status changed from In Progress to Closed

Applied in changeset commit:qgis|2b14dadc51ca98061d7114877df74006fd52e5c4.

Files

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<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
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<tbody>
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<td>8.71 KB</td>
<td>2019-05-14</td>
<td>matteo ghetta</td>
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<td>ksnip_20190520-135720.png</td>
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<td>ezgif.com-video-to-gif.gif</td>
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