### QGIS Application - Bug report #19909

**Vertex markers not displayed properly for MultiPolygon features**

2018-09-21 10:02 AM - Andreas Wicht

<table>
<thead>
<tr>
<th>Status</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority</td>
<td>High</td>
</tr>
<tr>
<td>Assignee</td>
<td>Hugo Mercier</td>
</tr>
<tr>
<td>Category</td>
<td>Map Canvas</td>
</tr>
<tr>
<td>Affected QGIS version</td>
<td>3.4.1</td>
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<tr>
<td>Regression?</td>
<td>Yes</td>
</tr>
<tr>
<td>Easy fix?</td>
<td>No</td>
</tr>
<tr>
<td>Pull Request or Patch supplied</td>
<td>Yes</td>
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<tr>
<td>Copied to github as #:</td>
<td>27733</td>
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#### Status: Closed
#### Priority: High
#### Assignee: Hugo Mercier
#### Category: Map Canvas
#### Affected QGIS version: 3.4.1
#### Regression?: Yes
#### Easy fix?: No
#### Pull Request or Patch supplied: Yes
#### Copied to github as #: 27733

### Description

When editing a MultiPolygon Layer the vertex markers are not displayed correctly. I suspect this behavior gets more frequent, the larger the number of vertices in a feature is.

When zooming to the part where no vertex markers are displayed, they will appear when zooming close enough.

- Changing "Show markers only for selected features" does not affect the behavior.
- the polygon is valid
- it does not matter if the polygon is selected or not

### Associated revisions

**Revision 389149c8c - 2019-01-30 03:31 PM - Hugo Mercier**

Fix vertex marker display for multipolygon (fixes #19909)

The i == 0 test was wrong, and a test is actually not needed.

**Revision c3819e88 - 2019-01-31 10:21 AM - Hugo Mercier**

Merge pull request #9036 from mhugo/fix_19909

Fix vertex marker display for multipolygon (fixes #19909)

**Revision 9abcd0e1c - 2019-02-01 10:07 AM - Hugo Mercier**

Fix vertex marker display for multipolygon (fixes #19909)

The i == 0 test was wrong, and a test is actually not needed.

(cherry picked from commit 389149c8dce8d84cdd74db05ca5f22e451dac8a)

### History

**#1 - 2018-09-24 11:45 AM - Giovanni Manghi**

- Status changed from Open to Feedback

Does it works as expected on 2.18?
Yes. Sorry, forgot to add that.

Hi Andi, this is when selecting the feature with the select tool, not with highlighting with the node tool, correct?

Hi Bernhard, yes I was talking about the selected (select tool) not highlighted representation of a multipolygon (see attached example polygon).
The problem persists in 3.4.1

Problem also persists in 3.4.2

Reproduced

PR [https://github.com/qgis/QGIS/pull/9036](https://github.com/qgis/QGIS/pull/9036)
Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
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<th>Author</th>
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<td>35.2 KB</td>
<td>2018-09-21</td>
<td>Andreas Wicht</td>
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<td>vertex_markers.gpkg</td>
<td>128 KB</td>
<td>2018-09-21</td>
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