

## QGIS Application - Bug report #15672

### @map\_extent\_width and @map\_extent\_height seem buggy

2016-10-06 11:43 AM - Johannes Kroeger

|  |                                     |
|--|-------------------------------------|
| <b>Status:</b> Closed                  |                                     |
| <b>Priority:</b> Normal                |                                     |
| <b>Assignee:</b> Nyal Dawson           |                                     |
| <b>Category:</b> Unknown               |                                     |
| <b>Affected QGIS version:</b> 2.16.3   | <b>Regression?:</b> No              |
| <b>Operating System:</b>               | <b>Easy fix?:</b> No                |
| <b>Pull Request or Patch supplied:</b> | <b>Resolution:</b>                  |
| <b>Crashes QGIS or corrupts data:</b>  | <b>Copied to github as #:</b> 23595 |

#### Description

Trying some silly things I found "Geometry generator" of feature styling to create wrong geometries when I used @map\_extent\_width and @map\_extent\_height in it.

I ended up with the following test case.

Use this is label for some feature to see the values live updated:

```
'Center: ' || x( @map_extent_center ) || ' ' || y( @map_extent_center ) || '\n'\n'\n'\n'Width: ' || @map_extent_width || '\n'\n'\n'\n'Height: ' || @map_extent_height
```

If you resize the map, the Width and Height values never update while the Center works as intended.

Open the Python console and use this to manually request the map's width and height:

```
"Width: {} Height: {}".format(iface.mapCanvas().extent().width(),iface.mapCanvas().extent().height())
```

To my understand these should show the same values for the width and height.

When I move the map and print with Python again, I see the new values. The @map\_extent\_width and @map\_extent\_height in the label are not updated though.

#### Associated revisions

##### Revision c1cf896c - 2016-10-10 11:53 AM - Nyal Dawson

Fix invalid values for @map\_extent\_width/height (fix #15672)

##### Revision 28fc834d - 2016-10-12 12:54 PM - Nyal Dawson

Fix invalid values for @map\_extent\_width/height (fix #15672)

(cherry-picked from c1cf896c1a76fdac16b3e800b7e1f106f983e299)

##### Revision 3c43bb5e - 2016-10-12 02:19 PM - Nyal Dawson

Fix invalid values for @map\_extent\_width/height (fix #15672)

(cherry-picked from c1cf896c1a76fdac16b3e800b7e1f106f983e299)

**Revision bd5f9792 - 2016-10-13 11:19 PM - Nyal Dawson**

Fix invalid values for @map\_extent\_width/height (fix #15672)

(cherry-picked from c1cf896c1a76fdac16b3e800b7e1f106f983e299)

**History**

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**#1 - 2016-10-06 01:02 PM - Johannes Kroeger**

When I move the map and print with Python again, I see the new values. The @map\_extent\_width and @map\_extent\_height in the label are not updated though.

Should have been

When I **resize** the map and print with Python again, I see the new values. The @map\_extent\_width and @map\_extent\_height in the label are not updated though.

**#2 - 2016-10-06 03:14 PM - Nyal Dawson**

- Status changed from Open to Feedback

Can you check iface.mapCanvas().mapSettings().extent().width() and see if the value matches?

**#3 - 2016-10-06 04:43 PM - Nyal Dawson**

- Assignee set to Nyal Dawson

- Status changed from Feedback to Open

Actually I can reproduce - fix incoming

**#4 - 2016-10-10 02:54 AM - Nyal Dawson**

- Status changed from Open to Closed

Fixed in changeset commit:"c1cf896c1a76fdac16b3e800b7e1f106f983e299".

**#5 - 2017-09-22 09:55 AM - Jürgen Fischer**

- Category set to Unknown