

## QGIS Application - Feature request #8766

### Atlas current feature filter

2013-10-04 01:30 AM - David McDermott

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Map Composer/Printing	
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> fixed/implemented
<b>Easy fix?:</b>	No	<b>Copied to github as #:</b> 17472
<b>Description</b>  Good morning to the QGIS community,  First off, thank you for QGIS 2.0.1, its a great piece of software and the GUI is fantastic. I have been looking forward to the atlas integration for a long time but I don't think it's quite there yet. When I print map books, I often have features close together. What I would like Atlas to do is apply a filter so that only the current feature is visible (or all features <i>expect</i> the current is visible). What I envisage is a feature similar to ESRIs data driven pages, page definition queries ( <a href="http://tinyurl.com/p5ptq28">http://tinyurl.com/p5ptq28</a> ).  I posted this request in the User Forum ( <a href="http://tinyurl.com/puvazlh">http://tinyurl.com/puvazlh</a> ) but Vincent Picavet suggested I post it here. I'm not sure if this is already possible. I have tried several iteration in the feature filter dialog such as \$feature=\$feature or \$rownum=\$rownum with no success. The expression \$feature=\$currentfeature (if there was a \$currentfeature) might work. On a layer by layer basis, a tick box in the layer filter option called "atlas filtering" might also be an option.  Thanks,  David		

### Associated revisions

Revision bff6fe59 - 2013-11-07 12:09 PM - Nathan Woodrow

Set currentfeature expression variable for Atlas printing. Fix #8766

### History

#1 - 2013-10-04 04:30 AM - Giovanni Manghi

- Target version set to Future Release - Nice to have
- Category set to Map Composer/Printing

#2 - 2013-11-07 03:11 AM - Anonymous

- Status changed from Open to Closed

Fixed in changeset commit:"bff6fe5913f2666b5d90cea47ae062b429604a22".

#3 - 2013-11-07 03:14 AM - Nathan Woodrow

- File output\_1.jpg added
- Resolution set to fixed/implemented

Now that we have \$currentfeature we can match that in a rule to highlight the active Atlas feature.

<http://i.imgur.com/2SHORTC.png>

Result:

<http://i.imgur.com/7pFklzL.jpg>

#### #4 - 2013-11-07 05:36 AM - Regis Haubourg

Hi, I was about to ask the same feature! So great.. The idea was to be able to filter labeling only in currentfeature with a intersect clause. Having another feature simplified on the current scale (with new simplification improvement by A.Huarte and V.Mora) would avoid performances issues with big polygons.. My two cents.  
Régis

#### #5 - 2013-11-07 03:01 PM - Nathan Woodrow

Regis,

You could do this in using a CASE in a label expression (for now)

```
CASE
WHEN $id = $currentfeature THEN "yourlabel"
END
```

<http://i.imgur.com/xEzgcF0.png>

You could even use a case statement in the transparency property to get something like this.

```
CASE
WHEN $id != $currentfeature THEN 50
END
```

<http://i.imgur.com/uaPbZMy.png>

#### #6 - 2013-11-07 04:26 PM - Mathieu Pellerin - nIRV

kudos Nathan, that's very useful

#### #7 - 2013-11-08 12:45 AM - Regis Haubourg

Nathan Woodrow wrote:

```
Regis,

You could do this in using a CASE in a label expression (for now)

CASE
WHEN $id = $currentfeature THEN "yourlabel"
END
```

Hi Nathan,  
that works only for Atlas coverage layer right ?

**#8 - 2013-11-11 03:49 AM - David McDermott**

Thank you Nathan, this is perfect. How do I go about implementing this fix? I downloaded and installed the most recent (10/11/13) version of QGIS but there is no \$Currentfeature function.

**#9 - 2013-11-11 03:56 AM - Nathan Woodrow**

Have you enabled Atlas in the composer. It will only be active then.

**#10 - 2013-11-11 04:20 AM - David McDermott**

- File *atlas\_on.png* added  
- File *atlas\_exp.png* added

Atlas composer is active, and I have the \$feature function. I took your idea and put (\$feature + 1) = \$id in the style expression and it works. I have added a few photos.

**#11 - 2013-11-11 04:24 AM - Nathan Woodrow**

I wouldn't use \$feature + 1 because \$feature is just a count and \$id is not ordered or can have missing numbers so this expression will fail.

Can you QGIS Code revision you have in your About dialog.

**#12 - 2013-11-11 05:30 AM - David McDermott**

- File *qgis\_version.png* added

My \$feature+1 \$id was just a temporary workaround that worked on this dataset. The code version is ebebd3. Here is a screen shot

**#13 - 2013-11-11 05:38 AM - Nathan Woodrow**

Oh you're still running 2.0. You will have to grab a nightly build if you want this feature. You can get the nightly dev version using the OSGeo4W installers at <http://qgis.org/en/site/forusers/download.html>

**#14 - 2013-11-18 05:22 AM - Regis Haubourg**

Hi Nathan,  
I can't see \$currentfeature variable in latest revision on OSGEO4W (5f5cd4c) , with Atlas enabled..  
Any idea? OSGEO4W is late?

**#15 - 2013-11-18 05:28 AM - Nathan Woodrow**

Very old. Are you using the OSGeo4W of the qgis site?

**#16 - 2013-11-18 05:41 AM - Regis Haubourg**

Yep, updated osgeo4w 64 bit today. Will check 32 bit now...

**#17 - 2013-11-18 05:43 AM - Regis Haubourg**

Hum, in fact 32 bit package is really old, 64 bit is up to 2.1.0-60

**#18 - 2013-11-18 07:04 AM - Jürgen Fischer**

regis Haubourg wrote:

*Hum, in fact 32 bit package is really old, 64 bit is up to 2.1.0-60*

What do you mean? The packages both are from today.

**#19 - 2013-11-18 07:36 AM - Regis Haubourg**

In my 32 bit osgeo4w installer, I get 2.1.0-55 where I get -60 in 64 bits version.

**#20 - 2013-11-18 08:01 AM - Jürgen Fischer**

regis Haubourg wrote:

*In my 32 bit osgeo4w installer, I get 2.1.0-55 where I get -60 in 64 bits version.*

Right, but that doesn't mean they contain different QGIS versions. Just that the 32bit version wasn't built successfully as many many times as the 64bit version.

**#21 - 2013-11-18 08:29 AM - Regis Haubourg**

Ok, didn't know that. Anyway, it seems nathan's code is not fonctionnal in 32 bit package. Maybe other reasons explain that.

**#22 - 2013-11-18 12:58 PM - Nathan Woodrow**

Can you paste a image of your about QGIS dialog.

**#23 - 2013-11-19 12:56 AM - Regis Haubourg**

here is what I see:

Version de QGIS 2.0.1-Dufour Révision du code ebebdf3  
Compilé avec Qt 4.7.1 Utilisant Qt 4.7.1  
Compilé avec GDAL/OGR 1.10.1 Utilisé avec GDAL/OGR 1.10.1  
Compiled against GEOS 3.3.8-CAPI-1.7.8 Running against GEOS 3.4.2-CAPI-1.8.2 r3921  
Version du client PostgreSQL 8.3.10 Version de SpatiaLite 4.1.1  
Version de QWT 5.2.1 Version de PROJ.4 : 480  
Version de QScintilla2 2.6.2

Files

output_1.jpg	186 KB	2013-11-07	Nathan Woodrow
atlas_exp.png	27 KB	2013-11-11	David McDermott
atlas_on.png	19.4 KB	2013-11-11	David McDermott
qgis_version.png	35.8 KB	2013-11-11	David McDermott