

QGIS Application - Bug report #8824

Exported image from OpenLayer plugin looks shifted no matter of format but looks right in app

2013-10-11 12:05 PM - Mikhail Titov

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Map Composer/Printing	
Affected QGIS version:	2.0.1	Regression?: No
Operating System:	win32	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: invalid
Crashes QGIS or corrupts data:	No	Copied to github as #: 17517
Description I use Bing map as a background. Everything looks right while in application and in Map Composer. However saving it results in a shifted background. The shift extend is QGIS version dependent. See attachments. This behavior is particular to OpenLayer plug-in as regular GeoTIFF raster exports properly. However everything appears normal when in app. This leads me to believe that composer handles plugin data in a different way. This is from stable 2.0 and 2.1.0-21 updated as of this day. 2.1.0-23 fails to start as per #8823.		
Related issues: Duplicated by QGIS Application - Bug report # 8825: OpenLayers plugin print bug Closed 2013-10-11		

History

#1 - 2013-10-11 12:08 PM - Mikhail Titov

I don't know if that matters but all polygons use NAD83 UTM 15N (ESPG:26915) and so was the project document. The setting for latter was forced back as OpenLayer plug-in switched it to something else (WGS 84?). Anyway it does appear correct in app itself.

#2 - 2013-10-11 12:22 PM - Mikhail Titov

- File saveas.png added

Most notably Save As from the main menu of the main window works just fine!

#3 - 2013-10-11 12:49 PM - Mikhail Tchernychev

Just added the same issue at the same time..

It used to be only possible to use OpenLayers with Pseudo Mercator projection, but now apparently "project on the fly" option works everywhere in QGIS with OpenLayers but not in printing.

#4 - 2013-10-12 10:49 AM - Giovanni Manghi

- Resolution set to invalid

- Status changed from Open to Closed

The OpenLayers plugin does not support printing in the map composer. Saving the canvas with "save as image" and adding the result to the composer is

the only workaround.

As a 3rd party plugin issues about it need to be filed in its own subproject

<https://issues.qgis.org/projects/openlayers>

#5 - 2013-10-12 11:20 AM - Mikhail Tchernychev

I would disagree that this is plugin problem. The issue is wider - essentially, it states that Map Composer fails to support "on the fly" projection option, and means that other layers also might be affected. In other words if I have two files in my project - one geoTIFF in UTM and another shape file in Lat/Lon WGS84, and not sure they are printed correctly.

I don't know plugin API well enough, and docs are sketchy to say if plugin must have separate code to support printing. I would expect this should be handled by QGIS.

The complete work around is the following:

1. Use QGIS OpenLayers or other tools to capture piece of satellite imagery you need for your project.
2. Use QGIS referencer to reference that image. Note that you can use canvas coordinates for that. You get GeoTiff file in Pseudo Mercator
3. Re-project that Geotiff into projection you use for your project, such as UTM
4. Use in your project. It works fine, I did it few times in the past.

Best Regards,
Mikhail

#6 - 2014-05-15 08:28 AM - Andre Joost

Mikhail Tchernychev wrote:

- 1. Use QGIS OpenLayers or other tools to capture piece of satellite imagery you need for your project.*
- 2. Use QGIS referencer to reference that image. Note that you can use canvas coordinates for that. You get GeoTiff file in Pseudo Mercator*

You don't have to georeference output from QGIS "Save as image". It has a world file, and only needs CRS information. EPSG:3857 in this case.

#7 - 2014-07-28 03:11 AM - Micha Silver

I'm seeing this behavior again now, with QGIS 2.4 and the Openlayers Plugin 1.3.3

I load a vector layer, then any of the Openlayers backgrounds, and set O-t-F. Everything looks good on the canvas. I can also change projections and everything overlays as expected. I open Print Composer and make a map. Still layers overlay perfectly. I can display either in 3857 or a local projection and it looks fine.

Then I try to print or export to jpeg or pdf, and the background layer gets shifted. It seems that the shift is always to S.E. I tried to load the openlayers first and the vector after - same prob. I also exported the vector layer to CRS 3857, and loaded only that layer with an openlayers background. Still when printing or exporting to jpeg the shift appears.

I tested both on Win 7 64 and on Linux (Mint 17). Still same problem.

Thanks for any suggestions,
Micha

#8 - 2014-07-28 07:44 AM - Giovanni Manghi

Micha Silver wrote:

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*Thanks for any suggestions,
Micha*

you must use one of this scales

20 : 1128.497220
19 : 2256.994440
18 : 4513.988880
17 : 9027.977761
16 : 18055.955520
15 : 36111.911040
14 : 72223.822090
13 : 144447.644200
12 : 288895.288400
11 : 577790.576700
10 : 1155581.153000
9 : 2311162.307000
8 : 4622324.614000
7 : 9244649.227000
6 : 18489298.450000
5 : 36978596.910000
4 : 73957193.820000

3 : 147914387.600000
2 : 295828775.300000
1 : 591657550.500000

#9 - 2014-07-28 10:40 PM - Micha Silver

Thanks, not working for me :-(

#10 - 2014-07-28 10:53 PM - Micha Silver
- File Print_Composer_screenshot.jpg added

Micha Silver wrote:

Thanks, not working for me :-(

#11 - 2014-07-28 10:54 PM - Micha Silver
- File Output_map.jpg added

Micha Silver wrote:

Micha Silver wrote:
Thanks, not working for me :-(

Files			
map-inlet-pool-2.1.png	830 KB	2013-10-11	Mikhail Titov
map-inlet-pool-2.0.png	738 KB	2013-10-11	Mikhail Titov
qgis-composer-window.PNG	1010 KB	2013-10-11	Mikhail Titov
qgis-app-window.PNG	2.03 MB	2013-10-11	Mikhail Titov
map-inlet-pool-DEM-bg.png	316 KB	2013-10-11	Mikhail Titov
saveas.png	1.46 MB	2013-10-11	Mikhail Titov
Print_Composer_screenshot.jpg	358 KB	2014-07-28	Micha Silver
Output_map.jpg	792 KB	2014-07-28	Micha Silver