

QGIS Application - Bug report #4560

wrong scale displayed in map canvas

2011-11-22 06:07 AM - Régis Haubourg

Status:	Closed	
Priority:	High	
Assignee:	Giuseppe Sucameli	
Category:		
Affected QGIS version:		Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed
Crashes QGIS or corrupts data:		Copied to github as #: 14473
Description		
<p>Hi ,</p> <p>I upgraded Qgis 1.1 to 1.7.2 this morning. There is a major bug in map scale display in map canvas. It displays enormous numbers. I'm under Windows XP. I used standalone installer. project projection and data are epsg 2154 (France Lambert 93).</p> <p>Side effect of this, all visibility levels are misinterpreted by qgis.</p> <p>In my opinion, this is a critical bug, if confirmed, and requires an update of installers recently launched.</p> <p>Régis</p>		

History

#1 - 2011-11-22 06:08 AM - Régis Haubourg

I upgraded 1.7.1 to 1.7.2 not "1.1 to 1.7.2

#2 - 2011-11-22 06:13 AM - Gary Sherman

- Project changed from 4 to QGIS Application
- Assignee deleted (Gary Sherman)

Filed under wrong project. Moved to QGIS

#3 - 2011-11-22 06:15 AM - Régis Haubourg

Sorry for that Gary. Régis

#4 - 2011-11-22 06:53 AM - Régis Haubourg

The bug seems related to projection behaviour.

When i switch project projection to IGN:LAMB93 (ID10089), scale is OK. When I go back to epsg 2154, wrong scale comes back.

EPSG:2154 is the old epsg definition for lambert 93. Datas I use are defined in EPSG:2154.

If i reproject on the fly to 4326 WGS84, scale stays wrong. If I switch to IGN:LAMB93, then switch to 4326, scale is OK..

régis

#5 - 2011-11-22 07:03 AM - Richard Duivenvoorde

seems a small dataset, can you make it available to this issue?

#6 - 2011-11-22 07:08 AM - Régis Haubourg

- *File lacs.zip added*

Here comes a dataset that reproduce the bug on my computer.
Régis

#7 - 2011-11-22 07:32 AM - Richard Duivenvoorde

I've installed 1.7.2 on a fresh XP here

Loading your data in it, makes it a epsg:4326 project with your data loaded as epsg:2154 (which is ok). At that moment the scale shows huge numbers (as you show),

BUT after setting the project crs to epsg:2154 also AND setting the units to meters (were degrees with me, don't know why. epsg:2154 is a projected crs isn't it?), the scale seems ok to me?

#8 - 2011-11-22 07:50 AM - Régis Haubourg

I think you found the bug. It seems that Qgis keep decimal degrees as units in memory, when on the fly reprojection activated. User interface is greyed out and meters are checked as units on screen.

Playing with those parameters (activating meters units / checking on the fly reprojection) generates Qgis crashes! Something strange lying under.

#9 - 2011-11-22 09:17 AM - Richard Duivenvoorde

- *Target version set to Version 1.7.2*

yes, confirmed here both on a machine running XP with osgeo4w (and upgrading from 1.7.0 to 1.7.2) and a machine running XP where I installed a fresh 1.7.2 via the standalone installer:

- as soon as you have some 'recently used coordinate reference systems', and you try to select one in the crs tab of the Project properties, go to the first tab and then back to the crs tab qgis just crashes. In the event viewer there is only a message about a crash in a qt-treewidget

- on the osgeo4w I also installed the dev/nightly version, and that one does NOT have the problem

#10 - 2011-11-22 09:52 AM - Giuseppe Sucameli

The problem was fixed in master by commit:62ed7ef86b866bd5dd2f8c750cd21e3ffafa5911.

#11 - 2011-11-23 12:13 AM - Anita Graser

I can confirm the crashes Richard described in 1.7.2 on Ubuntu.

#12 - 2011-11-23 02:30 AM - Werner Macho

- Status changed from Open to Closed
- Assignee set to Werner Macho
- Resolution set to fixed

applied patch 62ed7ef86b866bd5dd2f8c750cd21e3ffafa5911 into release-1_7 to prepare for 1.7.3 release
gotta take a look if is is already fixed in upcoming 1.8
closing this for now as it works (for me) after applying the patch

#13 - 2011-11-24 02:31 PM - Giuseppe Sucameli

Anita Graser wrote:

| I can confirm the crashes Richard described in 1.7.2 on Ubuntu.

And I fixed that crash in master by commit 98d5a7665ce75bc2f406e89f4efc755995d30a73

#14 - 2011-11-24 02:49 PM - Giuseppe Sucameli

Werner Macho wrote:

| applied patch 62ed7ef86b866bd5dd2f8c750cd21e3ffafa5911 into release-1_7 to prepare for 1.7.3 release
| gotta take a look if is is already fixed in upcoming 1.8
| closing this for now as it works (for me) after applying the patch

You should backport also commit c0dc60b9d30bb0d1ed2f4c814e6169c87ac376ce, both this and mine
(98d5a7665ce75bc2f406e89f4efc755995d30a73) fixed crashes in select projection dialog due to commit
2034d59a2f503f7bec3d2f15c163d37e661ec26b (a very dangerous change because it's into a showEvent method: a one-line change has required 2 other
commit to work well again!).

#15 - 2011-11-24 03:07 PM - Giuseppe Sucameli

- Resolution deleted (fixed)

I hope that removing ticket resolution will re-open the ticket.

#16 - 2011-11-24 03:08 PM - Giuseppe Sucameli

- Resolution set to fixed

No, no way to reopen the ticket... Ok, I'm going to open a new ticket for the crashes.

#17 - 2011-11-24 11:06 PM - Werner Macho

- Resolution changed from fixed to worksforme

- Assignee changed from Werner Macho to Giuseppe Sucameli

#18 - 2011-12-04 02:32 AM - Giuseppe Sucameli

- Resolution changed from worksforme to fixed

Now this ticket is really fixed in release-1_7 branch, commit ids:
05e70ff49801583418755f7d2d65acd8301cdf36
70e2dc3b8fda8cdc0c730cfcc9fddbbbe2627ce9

Thanks macho for the backports!

Files

scale_bug.jpg	207 KB	2011-11-22	Regis Haubourg
lacs.zip	437 KB	2011-11-22	Regis Haubourg