

QGIS Application - Bug report #3998

Zoom to selected don't work with point layers and OTF reprojection

2011-06-17 10:10 AM - Alexander Bruy

Status: Closed	
Priority: Normal	
Assignee: Magnus Homann	
Category: Projection Support	
Affected QGIS version: master	Regression?: No
Operating System: All	Easy fix?: No
Pull Request or Patch supplied: Yes	Resolution: fixed/implemented
Crashes QGIS or corrupts data: No	Copied to github as #: 13986
Description	
Testcase: <ul style="list-style-type: none">- open any point layer in WGS84- open attribute table, select some records (features)- press "Zoom map to the selected rows" button- all works fine and map zoomed to the selected features- now turn on "on the fly" reprojection and select any projected CRS, for example WGS84/UTM Zone 39N- zoom to full extent- again open attribute table and select some features- press "Zoom map to the selected rows" button- canvas was zoomed to blank area	
This issue affects only point layers, with polygon or line layers all works as expected	

History

#1 - 2011-07-25 09:13 AM - Paolo Cavallini

- Pull Request or Patch supplied set to No
- Tracker changed from Bug report to 4

#2 - 2011-08-22 11:28 AM - Steven Mizuno

- Pull Request or Patch supplied changed from No to Yes
- File patch_for_3998.diff added

Here is a possible fix for the bug.

What happens is the area zoomed to is the latitude/longitude values used in the UTM projection with no transformation, in the example given.

In Identify Results, the Zoom to feature also has the same behavior.

Actually any feature(s) that have no width or height (an empty extent) will do the same. Points along a line of either longitude or latitude (but not both), for example.

In QgsCoordinateTransform::transformBoundingBox(rect,direction) returns immediately when rect is empty, so there is no transformation done.

I tried eliminating the test

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|| rect.isEmpty()
```

in the first line of the function. Now zoom to a point works. And zooming to points along a line of longitude also works, with the extent of the points setting the zoom factor.

Looking through the function I see no place where divide by width or height of the input rect is used, so a 0 value won't cause a divide by zero error.

I have tried a point layer in UTM zone 15, map in WGS84 geog. and zooming to a selected or identified point works as well.

#3 - 2011-12-16 02:12 PM - Giovanni Manghi

- Target version set to Version 1.7.4

#4 - 2012-04-15 09:23 AM - Giovanni Manghi

- Tracker changed from 4 to Bug report
- Crashes QGIS or corrupts data set to No
- Affected QGIS version set to master

#5 - 2012-04-16 06:28 AM - Paolo Cavallini

- Target version changed from Version 1.7.4 to Version 1.8.0

#6 - 2012-09-04 12:01 PM - Paolo Cavallini

- Target version changed from Version 1.8.0 to Version 2.0.0

#7 - 2012-09-13 02:11 PM - Magnus Homann

- Assignee set to Magnus Homann

#8 - 2014-03-28 01:44 AM - Alexander Bruy

- Resolution set to fixed/implemented
- Status changed from Open to Closed

Seems fixed in master

Files

patch_for_3998.diff	568 Bytes	2011-08-22	Steven Mizuno
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