

QGIS Application - Bug report #154

Zoom to selected does not work with POINT Layer

2006-06-20 04:28 AM - Redmine Admin

Status: Closed	
Priority: Low	
Assignee: Gavin Macaulay -	
Category: Data Provider	
Affected QGIS version:	Regression?: No
Operating System: RedHat	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed
Crashes QGIS or corrupts data:	Copied to github as #: 10213
Description	
Zoom to selected does not work with POINT Layer	

History

#1 - 2006-06-23 12:39 AM - anonymous -

Works for me, except that selecting just one point and then zooming to selection results in a very zoomed out map.

#2 - 2006-06-23 02:08 AM - Gavin Macaulay -

Zoom to selection for a single point now does something more sensible (SVN commit:57a21ca7 (SVN r5539)). Not sure if this will fix this ticket. If not, can we have some more detail on how it doesn't work?

#3 - 2006-06-25 11:56 PM - Redmine Admin

Now it works but the selected point will be shown in a very very large scale. I think the best way to zoom to one selected point is to keep the actual scale of the view. So you can choose your preferred scale in case of one selected point. If you select more than one point QGIS have to decide whether or not to change the scale depending on the spatial distribution of the selected points.

#4 - 2006-06-26 12:35 AM - Gavin Macaulay -

Sounds like a reasonable solution to let the user decide whether to zoom in to a very large scale or to zoom to a predefined scale for single points, although I'm not sure how easy it would be to do in qgis (the scale is sort of worked out as an afterthought).

#5 - 2006-06-28 03:09 AM - Gavin Macaulay -

After some more thought, I think the problem (and solution) comes down to: what does the user expect when zooming into selected features?

For me, I expect the view to be zoomed so that the selected features fill the map. With a single point, this expectation can't hold in the same way that it does for features with some spatial extent.

I would be surprised (at qgis) if the zoom to a single selected point gave a view with lots of other, unselected, points. So my expectation is that the zoom should be sufficient so that only the selected point is visible, and the very large scale is just a minor side-effect of that.

Comments?

#6 - 2006-06-28 03:24 AM - Redmine Admin

I would be surprised (at qgis) if the zoom to a single selected point gave a view with lots of other, unselected, points.

In fact you will zoom to an infinite scale in case of point zooming, due to points are dimensionless. This is the actual behavior of QGIS. In my opinion it is unsatisfying. Thus I'll come back to my further statement. I think that highlighting of the selected point with respect to the actual mapscale is a better solution.

#7 - 2006-07-14 01:39 AM - Gavin Macaulay -

- *Status changed from Open to Closed*
- *Resolution set to fixed*

Highlighting a point when the user choses to zoom to a single selected point would be inconsistent with how qgis works with multiple selected points, lines or polygons. At the moment, when zooming to a single selected point, qgis doesn't give an infinite scale, but rather does something that is sensible most of the time - it will zoom to give an extent of about $1e-8$ of the existing extent. This works fine for all the cases that I have tried. In particular, if the point is close to (0,0), it will zoom to quite a high scale, but otherwise works fine.

I consider this behaviour to be reasonable in the face of an difficult situation, and bringing in an alternative behaviour depending on how many points one selects is likely to cause confusion to the users.

As it stands, the original defect no longer exists, so I'm closing this ticket. Having an alternative way of dealing with zooming to single points is, in my opinion, an enhancement that can be placed against Release 0.9 - feel free to submit a separate ticket if you think that this would be a desirable feature.

#8 - 2009-08-22 12:46 AM - Anonymous

Milestone Version 0.8 deleted