

QGIS Application - Bug report #1325

Multipoint layer problems - zoom to selection doesn't work; layer extent has wild values on editing

2008-09-21 05:42 PM - Steven Mizuno

Status: Closed	
Priority: Low	
Assignee: nobody -	
Category: Vectors	
Affected QGIS version:	Regression?: No
Operating System: All	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed
Crashes QGIS or corrupts data:	Copied to github as #: 11385

Description

Vector layers of type Multipoint have the following problems:

1. Zoom to selection doesn't do anything.
2. When editing - adding or deleting points - the extent as shown in properties, Metadata goes to some wild values.

This causes zoom to layer extent to zoom to a very small scale, such that the scale bar on the map shows a distance on the order of 1e+200km

The points added are correctly positioned. Reloading the layer fixes the extents display.

some examples of the extents shown in Metadata (layer has a few points over about 1000m):

```
start:  xMin,yMin 499999,5e+06 : xMax,yMax 501001,5.001e+06
add point:  xMin,yMin 499999,-1.51934e-93 : Max,yMax2.95439e+202,5.001e+06
xMin,yMin 499999,5e+06 : xMax,yMax 1.09228e+209,1.2796e+156
delete point:  xMin,yMin 4.94066e-324,-2 : xMax,yMax 4.94066e-324,2
```

I have tested with [[PostGIS]] and shapefiles.

Expected behaviors: Zoom to selection operates as it does for Points - a single point is displayed at a fairly large scale; multiple points should be displayed over most of the map view.

On add and delete points the extents should reflect the minimum/maximum of the locations of the layer.

History

#1 - 2008-12-07 08:50 AM - Steven Mizuno

I provide a patch for [[QgsGeometry]] to fix the above problems.

The details:

1. have found in boundingBox() that an increment of ptr to the beginning of the point array was missing, so the points retrieved had wild values.
2. and on a cursory inspection of the class I found in deleteVertex() that there is a missing break statement in the WKBMultiPoint case - there is a TODO note, but the case just fell through to the next, potentially causing odd problems.

#2 - 2008-12-08 06:00 AM - Marco Hugentobler

Applied in commit:d367081e (SVN r9754). thanks!

Still it would be good to implement the delete vertex method for multipoints.

#3 - 2009-07-11 03:58 AM - Giovanni Manghi

If the patch has already been applied can we close this ticket?

#4 - 2009-07-13 05:16 PM - Steven Mizuno

- *Resolution set to fixed*

- *Status changed from Open to Closed*

Yes, as the reported problem has been fixed.

Files

patch_for_1325.txt	591 Bytes	2008-12-07	Steven Mizuno
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