

QGIS Application - Bug report #1432  
Delimited text import: precision loss (latlong)

2008-11-27 09:29 AM - Markus Neteler

<b>Status:</b>	Closed	
<b>Priority:</b>	Low	
<b>Assignee:</b>	nobody -	
<b>Category:</b>	C++ Plugins	
<b>Affected QGIS version:</b>		<b>Regression?:</b> No
<b>Operating System:</b>	Mandriva	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b> invalid
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 11492
<b>Description</b>		
<p>I observe a severe precision loss when importing LatLong CSV files:</p> <pre>#original CSV: ID, LONG, LAT BG1, 10.367989875, 45.873774277 BG2, 10.368377488, 45.903017929 BG3, 10.368990013, 45.907293667 ...  # imported into QGIS, saved as SHP  shpdump traps_LL.shp Shapefile Type: Point # of Shapes: 20  File Bounds: ( 10.341, 45.874, 0, 0) to ( 10.903, 45.927, 0, 0) ... Shape: 18 (Point) nVertices=1, nParts=0 Bounds: ( 10.369, 45.907, 0, 0) to ( 10.369, 45.907, 0, 0) ( 10.369, 45.907, 0, 0) ...</pre> <p>Precision of 3-digits isn't sufficient in LatLong, especially if my original data were good.</p> <p>Suggestions: either increase the precision during import/export (not sure where it gets lost). Or add a "number of decimals" field to the user frontend so that s/he may decide.</p>		

History

#1 - 2009-02-27 03:36 AM - Markus Neteler

- Resolution set to invalid
- Status changed from Open to Closed

OK, my bad (or say, of shpdump): the source code analysis of shpdump.c reveals that the precision loss is in shpdump. Hacking that program shows the (test) points imported from CSV correctly into QGIS and exported to SHAPE.

#2 - 2009-08-22 01:02 AM - Anonymous

Milestone Version 1.0.2 deleted