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

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

Status:	Closed		
Priority:	Low		
Assignee:	nobody -		
Category:	C++ Plugins		
Affected QGIS version:		**Regression?:**	No
Operating System:	Mandriva	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	invalid
Crashes QGIS or corrupts data:		**Copied to github as #:**	11492

Description

I observe a severe precision loss when importing LatLong CSV files:

```
#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)
...
```

Precision of 3-digits isn't sufficient in LatLong, especially if my original data were good.

Suggestions: either increase the precision during import/export (not sure where it get's lost). Or add a "number of decimals" field to the user frontend so that s/he may decide.

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 reveils 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