

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 gets 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 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