# QGIS Application - Feature request #11695
# Python parser for geometries in delimited text layers

2014-11-19 02:14 PM - Joshua Arnott

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|---|---|---|---|
| **Status:** | Open | | |
| **Priority:** | Normal | | |
| **Assignee:** | | | |
| **Category:** | Data Provider/Delimited Text | | |
| **Pull Request or Patch supplied:** | No | **Resolution:** | |
| **Easy fix?:** | No | **Copied to github as #:** | 19939 |

## Description

Currently delimited text layers support three options for geometries:

1.  Point coordinates (X and Y fields, optionally in DMS)
2.  Well Known Text (WKT)
3.  No geometry (attribute table only)

It is common in the United Kingdom to receive coordinates which use the British National Grid system.

http://en.wikipedia.org/wiki/Ordnance_Survey_National_Grid

For example, SP513061 is interpreted as x=451300, y=206100. It's relatively easy to do this conversion using a bit of Python:

http://snorf.net/blog/2014/08/12/converting-british-national-grid-and-irish-grid-references/

My proposal is for a 4th geometry option in the delimited text layer, that could pass a field or fields to a user-editable Python function, which would return either the x,y coordinates, or even a geometry object. Ireland has a similar grid system, so it would also be useful there, but I'm sure users could find even more interesting/obscure uses for this.

Of course, this could be written as an individual plugin, but it would involve significant duplication of existing functionality already in the delimited text layer feature.

## History

**#1 - 2014-11-19 03:07 PM - Nathan Woodrow**

*- Target version set to Future Release - Nice to have*

Now that is a nifty idea indeed.

**#2 - 2017-05-01 12:47 AM - Giovanni Manghi**

*- Easy fix? set to No*