QGIS Application - Feature request #11515
Use ogr2ogr to create midpoints along lines

2014-10-28 09:18 AM - Filipe Dias

Status:	Closed			
Priority:	Normal			
Assignee:	Giovanni Manghi			
Category:	Processing/GDAL			
Pull Request or Patch supplied:	No		**Resolution:**	fixed/implemented
Easy fix?:	No		**Copied to github as #:**	19785

Description

Following this blog post by Darren Cope, I found it is possible use ogr2ogr to create midpoints along a line using ogr2ogr. For example:

ogr2ogr OutputPoints.shp InputLines.shp -dialect sqlite -sql "SELECT AsText(Line_Interpolate_Point(InputLines.geometry, 0.5)),OTHER,FIELDS,CAN,GO,HERE from InputLines"

http://darrencope.com/2014/01/27/create-midpoints-along-lines-with-ogr/

It would be a valuable addition to Processing, since there's not equivalent algorithm available

History

#1 - 2014-10-29 12:10 PM - Giovanni Manghi

- Assignee changed from Victor Olaya to Giovanni Manghi

#2 - 2014-10-31 03:13 AM - Andreas Neumann

Do you actually want new point geometries or is it just necessary for symbology? In the latter case, there is the marker line in QGIS, by which you can position a marker on the mid-point of a line (term is "central point").

#3 - 2014-10-31 03:22 AM - Filipe Dias

In this case, the actual geometries. In ecological surveys, it is quite common to plan surveys along line transects and to collect data in the middle, first or last quarter of the transect. This tool would be useful for that.

#4 - 2015-06-19 01:28 PM - Giovanni Manghi

- Resolution set to fixed/implemented

- Status changed from Open to Closed

already implemented.