

## QGIS Application - Bug report #18083

### Simplify map tool - don't use douglas-peucker simplification

2018-02-13 02:55 AM - Nyal Dawson

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Denis Rouzaud	
<b>Category:</b>	Map Tools	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 25979
<b>Description</b>		
<p>The simplify map tool currently forces Douglas-Peucker simplification (via the QgsGeometry::simplify method). Unfortunately this simplification technique is not ideal as it preserves jagged spikes within line work, making it unusable for cartographic simplification.</p> <p>A better choice would be to utilise Visvalingam simplification (which is available from the QgsMapToPixelGeometrySimplifier class) - this simplification technique prefers to eliminate narrow jagged spikes, resulting in much more pleasing cartographic simplification.</p> <p>(Or better - expose this choice to users so that they can select an appropriate simplification technique for their requirements)</p>		

#### Associated revisions

Revision dce21882 - 2018-02-26 03:12 PM - Nyal Dawson

[FEATURE] Add choice of simplification method to simplify map tool

Allows different techniques to be used for simplification, including the more cartographically pleasing "Visvalingam" simplification algorithm.

Fixes #18083

#### History

#1 - 2018-02-26 03:12 PM - Nyal Dawson

- % Done changed from 0 to 100
- Status changed from Open to Closed

Applied in changeset commit:qgis|dce21882c73b9d4d98a6001872bad0be849df6c1.

#2 - 2018-03-03 11:12 AM - Giovanni Manghi

- Resolution set to fixed/implemented