

QGIS Application - Bug report #18083

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

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

Status: Closed	
Priority: Normal	
Assignee: Denis Rouzaud	
Category: Map Tools	
Affected QGIS version: master	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	Copied to github as #: 25979
Description	
<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