QGIS Application - Bug report #10605
offset < 0 for simple outline line symbology for polygon creates rounded corners
2014-06-17 12:09 AM - Mathieu Pellerin - nIRV

Status:	Closed			
Priority:	High			
Assignee:	Martin Dobias			
Category:	Symbology			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**		
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	19009	

Description

During the development of upcoming QGIS 2.4, offset for a polygon layer's simple outline line symbology was improved and now relies on a GEOS buffer operation. While it's an overall improvement, it has a create a huge change in rendering:
- Under QGIS 2.2, a negative offset value will keep the offset'ed line's original angles (see QGIS_22-straight_angles.png)
- Under QGIS 2.4, a negative offset value will created rounded angles (see QGIS_24-rounded_angles.png)

While the rounded angle is expected when outputting a buffer, I don't think the user expects that behavior when offsetting a polygon outline. I have mixed feelings as to what should be the appropriate behavior, but after giving it some thoughts, I think the QGIS 2.2 drawing is the right. The 2.2 drawing of polygon's simple outline line with negative offset value also behaves the same as if your offsetting a line layer, which IMO is important.

In addition to the above, any project relying on this styling prior to 2.4 will obviously render very differently too, which should be considered.

Crossing fingers GEOS can do straight angle buffers :)

Associated revisions

Revision ed1d08d4 - 2014-06-17 11:46 AM - Martin Dobias

Fix #10605 (round corners when using simple line with offset)

History

#1 - 2014-06-17 02:04 AM - Martin Dobias

- Assignee changed from Alvaro Huarte to Martin Dobias

#2 - 2014-06-17 02:47 AM - Martin Dobias

- Status changed from Open to Closed

Fixed in changeset commit:"ed1d08d435091e2890773b984c64fa96202b9f51".

Files

QGIS_24-rounded_angles.png	140 KB	2014-06-16	Mathieu Pellerin - nIRV
QGIS_22-straight_angles.png	123 KB	2014-06-16	Mathieu Pellerin - nIRV