QGIS Application - Bug report #9579
wrong behavior of svg symbol with data defined properties

2014-02-17 04:40 AM - matteo ghetta

Status:	Closed			
Priority:	Normal			
Assignee:	Radim Blazek			
Category:	Symbology			
Affected QGIS version:	2.0.1	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**		
Crashes QGIS or corrupts data:		**Copied to github as #:**	18162	

Description

Hi all,
svg symbol (style tab for point shapefile) seems not to take care of the data defined properties (size, offset). For example, if size is set manually, no problem, if size is set from the attribute table through the **data defined properties** option, the behavior is not correct.

See pdf attach for detailed information

Associated revisions

Revision 1ed94d01 - 2014-05-12 07:27 PM - Radim Blazek

fixed simple marker, ellipse, svg anchor with data defined size, fixes #9579

Revision f4705703 - 2014-05-19 06:59 PM - Radim Blazek

marker data defined anchor fix, fixes #9579

History

#1 - 2014-03-06 12:05 AM - Radim Blazek

shift_svg_symbol_anchor_bottom.pdf:

> you can see a different size of symbol (ok the "area issue", but why a different behaviour if you set the same dimension value in style window or in data properties?)

The reason for area mode is that if an attribute value is used for symbol size, it is usually used to visualize some quantitative phenomenon and human perception considers as magnitude of a symbol its area not its diameter.

The area mode makes only sense for data defined dimension, where size of each symbol is different. If a constant dimension value (defined in standard style widget, not data defined) is used, area mode makes no sense and so it is only applied to data defined dimension.

The default area mode may be changed to diameter mode in Style tab -> Advanced -> Size scale field -> Scale area / Scale diameter.

> and a "shift" of the symbol from his insertion point, like

scaling origin wasn't symbol bottom.

This is a bug.

#2 - 2014-05-12 10:32 AM - Radim Blazek

- Status changed from Open to Closed

Fixed in changeset commit:"1ed94d01f7c3b692e753d95b08bcc205b7169cc9".

#3 - 2014-05-12 10:36 AM - Radim Blazek

The same or similar problem was also with simple marker and ellipse. Symbol layers were simply ignoring data defined size in offset calculation.

It should be fixed for all.

#4 - 2014-05-16 10:50 PM - aperi2007 -

- File 8887_anchor_dataprop_bottom.png added
- Status changed from Closed to Reopened

Some test that we do yesterday show that the "Point Of Vertical Anchor" don't work roperly in the data-definition.
I attachan image that show what is the don't workng's option.
Sorry the image is in Italian.

#5 - 2014-05-19 10:00 AM - Radim Blazek

- Status changed from Reopened to Closed

Fixed in changeset commit:"f4705703f60e5c1ac37bf49c49f0bcdae24a73e9".

#6 - 2014-05-19 10:11 AM - Radim Blazek

There were two problems with data defined anchor with SVG and ellipse symbol layers:

  - data defined values were ignored (expression not retrieved before rendering)

  - the keywords in help were localized while expression evaluation was not

I have disabled the translation because I am convinced that such a keywords should not be localized to keep data and projects portability. OTOH, some polygon fill parameters do support translation, so I am going to raise this question on mailing list.

#7 - 2014-05-26 03:52 AM - Radim Blazek

- Assignee set to Radim Blazek

Ticket fixed with funding from Regione Toscana-SITA (CIG:ZB10C90E5A).

Files

shift_svg_symbol_anchor_bottom.pdf	299 KB	2014-02-17	matteo ghetta
8887_anchor_dataprop_bottom.png	22.1 KB	2014-05-16	aperi2007 -