

QGIS Application - Bug report #18768

Nodata issue with TIN interpolation's cubic method

2018-04-19 12:41 PM - Mathieu Pellerin - nIRV

Status:	Feedback	
Priority:	Normal	
Assignee:	Marco Hugentobler	
Category:	Analysis library	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 26655
Description		
<p>I've just spotted an interesting issue with the TIN interpolation code.</p> <p>With the TIN interpolation "linear" method, the rendering is fine (tin-linear.png), but with the "cubic" method, the code inserts 0 values instead of nodata until it hits the first non-nodata value (see the black part at the top of tin-cubic.png).</p> <p>Marco, you are our only hope ;) I've looked into the code, but couldn't get my way through it.</p>		

History

#1 - 2018-04-19 12:43 PM - Mathieu Pellerin - nIRV

- File test-data.zip added

Here's a simple test dataset. To replicate the above screenshot, use the "temp" field against a TIN interpolation alg using the cubic method.

#2 - 2018-05-11 04:16 PM - Marco Hugentobler

Hi Mathieu

Oh, that code is still in use? Most parts of the interpolation code are older than the QGIS project and not maintained anymore. I think you should replace it with a newer library for TIN/IDW interpolation.

#3 - 2019-03-09 04:35 PM - Giovanni Manghi

- Status changed from Open to Feedback

Please check if this issue is still valid on QGIS 3.4.5 or 3.6.

Files

tin-linear.png	85.9 KB	2018-04-19	Mathieu Pellerin - nIRV
tin-cubic.png	84.6 KB	2018-04-19	Mathieu Pellerin - nIRV
test-data.zip	4.44 KB	2018-04-19	Mathieu Pellerin - nIRV