QGIS Application - Bug report #8272
Bad size request with a georeferenced raster

2013-07-11 01:24 PM - Hugo Mercier

Status:	Rejected			
Priority:	Normal			
Assignee:				
Category:	Rasters			
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 #:**	17075	

Description

With some georeferenced rasters (for instance a jpeg file with a .jgw world file), visual artifacts may appear on some zoom levels.
Steps to reproduce :
- load the raster found in attachment (do not forget to copy the .jgw file in the same directory)
- move it to the top left corner of the canvas, with some space not visible
- extent the canvas window until you see glitches. You can find examples in attachment also.

When these visual artifacts occur, a GDAL error is displayed on the console :
Warning: RasterIO error1: /home/hme/Bureau/atlas/test.jpeg, band 2: Access window out of range in RasterIO(). Requested (77,626) of size 3431x1854 on raster of 3507x2480.

Indeed there is an off-by-one size calculation somewhere in qgsgdalprovider.cpp

The problem is apparently due to a not very well-formatted world file : some of its constants do not exhibit enough decimals (first and fourth line for instance).

I suspect some strange rounding errors for now ...

History

#1 - 2017-05-01 01:09 AM - Giovanni Manghi

- Easy fix? set to No

- Regression? set to No

#2 - 2019-01-29 01:56 PM - Hugo Mercier

- Status changed from Open to Rejected

- Description updated

Can't reproduce on 3.5. closing

Files

test.jpeg	358 KB	2013-07-11		Hugo Mercier
test.jgw	52 Bytes	2013-07-11		Hugo Mercier
raster_bug1.png	183 KB	2013-07-11		Hugo Mercier
raster_bug2.png	168 KB	2013-07-11		Hugo Mercier