QGIS Application - Bug report #1722
Pyramids are not build if tifw contains rotations

2009-06-06 01:18 PM - Maxim Dubinin

Status:	Closed			
Priority:	Low			
Assignee:				
Category:	Rasters			
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	end of life	
Crashes QGIS or corrupts data:		**Copied to github as #:**	11782	

Description

If tfw file contains rotations terms, pyramids are not build with the message: "Not supported on this type of raster".

Example attached, see lines 2 and 3, not equal to 0.

Replicated in 1.0.2 and 1.2-trunk

History

#1 - 2009-07-27 08:33 PM - ersts -

- Status changed from Open to In Progress

This is because the image is warped when it is loaded and considered a 'warped virtual dataset'. The image being drawn is not the original base image, though we do still have a pointer to that base image.

It seems like pyramids could be build for the based image, and then reloaded and rewarped again, but I need to check with the GDAL folks to see if pyramids are supported at all with virtual datasets.

#2 - 2009-07-27 08:44 PM - Maxim Dubinin

I think the pyramids should be built for the base raster.

#3 - 2009-07-27 08:51 PM - Frank Warmerdam -

Overviews can actually be built on vrt warped images **however** that doesn't work in the QGIS case where the warped VRT is actually just temporary - not saved to disk.

We could also build overviews on the underlying image **however** at this time the GDAL warp api underlying warped VRTs does not take advantage of overviews.

#4 - 2009-07-27 09:02 PM - ersts -

Replying to [comment:5 warmerdam]:

> *We could also build overviews on the underlying image **however** at this time the GDAL warp api underlying warped VRTs does not take advantage of overviews.*

Thanks Frank, that was the nugget I was looking for. So for now I guess we will just keep the ticket open and watch the following ticket

http://trac.osgeo.org/gdal/ticket/2076

#5 - 2011-12-16 01:58 PM - Giovanni Manghi

- Target version changed from Version 1.7.0 to Version 1.7.4

#6 - 2012-04-16 06:22 AM - Paolo Cavallini

- Target version changed from Version 1.7.4 to Version 1.8.0

- Affected QGIS version set to master

- Crashes QGIS or corrupts data set to No

#7 - 2012-09-04 12:04 PM - Paolo Cavallini

- Target version changed from Version 1.8.0 to Version 2.0.0

#8 - 2012-10-04 05:26 PM - Giovanni Manghi

- Status changed from In Progress to Open

- Pull Request or Patch supplied set to No

- Status info deleted (0)

- Operating System deleted (All)

- Assignee deleted (ersts -)

#9 - 2014-06-28 07:37 AM - Jürgen Fischer

- Target version changed from Version 2.0.0 to Future Release - Lower Priority

#10 - 2017-05-01 01:09 AM - Giovanni Manghi

- Regression? set to No

- Easy fix? set to No

#11 - 2019-03-09 04:04 PM - Giovanni Manghi

- Resolution set to end of life

- Status changed from Open to Closed

End of life notice: QGIS 2.18 LTR

Source:

http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/

Files

file2.rar	126 KB	2009-06-06	Maxim Dubinin