QGIS Application - Bug report #523
Georeference tool

2007-01-08 10:38 AM - doug_newcomb-fws-gov -

Status:	Closed			
Priority:	Low			
Assignee:	Magnus Homann			
Category:	Projection Support			
Affected QGIS version:			**Regression?:**	No
Operating System:	Windows		**Easy fix?:**	No
Pull Request or Patch supplied:			**Resolution:**	fixed
Crashes QGIS or corrupts data:			**Copied to github as #:**	10582

Description

Tried to georeference a jpeg image to EPSG 32119 projection. The output jgw file looked like this:

24.5335

0

0

-24.5335

nan

260525434691006569727936673569337923345511244453856719820017177656256963612508526

323064058841036663553879160373955071011708073319334471682320480262561486503141706

825570440003534707309296172036169704638686145689056538199258203801470663529844496

235996407294541305345531743157748721890621397558864.000000

The qgis - generated points file :

mapX	mapY	pixelX	pixelY
551629.000000	119426.000000	1042.95	-1942.69
558297.000000	128803.000000	1320.27	-1560.28
561736.000000	142243.000000	1460.38	-1023.16
554963.000000	154641.000000	1185.99	-519.606
532042.000000	159226.000000	234.348	-329.862
539335.000000	147557.000000	536.478	-807.141
529333.000000	124635.000000	132.178	-1723.75

I converted the above y pixel coordinates from negative to positive and used the altered coordinates as gcp points in gdalwarp and got the following correct world file:

24.4658442217

0.0000000000

0.0000000000

-24.4658442217

526378.6525011690

167601.3482739714

My simplistic assumption is that the qgis georeferencer is passing negative y coordinates for a jpeg file when they should be positive instead.

History

#1 - 2007-01-27 11:18 AM - Magnus Homann

- Status changed from Open to In Progress

Is it possible to supply the image?

#2 - 2007-01-29 07:07 AM - doug_newcomb-fws-gov -

Tried to add the original jpeg file, but was too large at 3.2 MB

#3 - 2007-01-31 10:24 AM - Magnus Homann

We had some issues where if proejction was turned on when you entered georeference tools, it wouldn't work. have you tried turning off projection?

Also, if you have the possibility try downloading the latest from SVN and try it there. I have done some work with it.

If this does/does not work, let me know. There is nothnig bad with negative coordinates as I see it (0,0) is upper left pixel according to world file specification. What happens if you use gdalwarp with the negative coordinates?

#4 - 2007-01-31 11:08 AM - doug_newcomb-fws-gov -

I can go back and check, but I as I recall using negative line numbers with GCPs caused the image to flip upside down. (I had tried it with a tiff version of the file as well)
the world file associated had the following contents:
24.6106913661
0.0000000000
0.0000000000
-24.6106913661
526364.0265134282
221911.9794584604

With a negative y pixel size

I thought image specs in general had the 0,0 in the upper left hand corner and positive x going right and positive y going down?

#5 - 2007-01-31 01:30 PM - Magnus Homann

The points in the .points file are in an internal format, and we do not use GDAL to generate world file. Have you tried to turn off projection?

See also #560

#6 - 2007-02-03 01:01 PM - Magnus Homann
- Status changed from In Progress to Closed
- Resolution set to fixed

Fixed in / . Uninitialized variables made win32 behave differently.

#7 - 2007-02-05 04:43 AM - doug_newcomb-fws-gov -

Thanks!

#8 - 2009-08-22 12:51 AM - Anonymous

Milestone Version 0.8.1 deleted

Files

PE_rockingham_westend.jpg.points	339 Bytes	2007-01-29	doug_newcomb-fws-gov -