QGIS Application - Bug report #1574
Displaying ECW raster images is very slow

2009-03-13 12:34 AM - luca76 -

Status:	Closed		
Priority:	Low		
Assignee:	Frank Warmerdam -		
Category:	Rasters		
Affected QGIS version:		**Regression?:**	No
Operating System:	Windows	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	worksforme
Crashes QGIS or corrupts data:		**Copied to github as #:**	11634

Description

Hi,

I have QGIS 1.0.1 for windows installed from OSGEO4W.

If I try to open a simple ECW (67 MB), QGIS is taking too long to open it (about 30-40 seconds). It seems that it doesn't use overviews anymore.

Warmerdam says from OSGEO4W mailing list:

> The ECW driver does not report having any specific overview levels
> and this defeats certain optimizations in the statistics computation.
> I believe this has a bad effect when an ecw layer is first added to
> qgis but browsing after that should be fast.
>
> The fix is to make the histogram computing logic smarter
> (I'm not positive if QGIS is using it's own or GDAL's logic)
> so that for formats like ECW with "arbitrary overviews" a
> small overview sample of data will be fetched for statistics.
>
> I believe this issue is the same in all modern QGIS+GDAL
> builds, not just specifically in OSGeo4W or windows.

History

#1 - 2009-07-19 06:06 AM - Giovanni Manghi

I this still true?

On qgis 1.2 from trunk it took under a second to open a 56.5mb ECW raster image. The same under windows with qgis 1.0.2.

Please leave feedback.

#2 - 2009-07-22 03:29 AM - Giovanni Manghi

- Resolution set to worksforme

- Status changed from Open to Closed

Tested again on different platforms and boxes, and seems fine, at least with the data in ecw format I have. I close this, but please reopen if necessary.

#3 - 2009-09-21 04:20 AM - luca76 -

confirmed, 1.3.0: now it's MUCH faster!