

QGIS Application - Feature request #2440

Better support for raster providers

2010-02-12 10:13 AM - Giovanni Manghi

Status:	Closed	
Priority:	Low	
Assignee:	nobody -	
Category:	Data Provider	
Pull Request or Patch supplied:		Resolution: fixed
Easy fix?:	No	Copied to github as #: 12500
Description		
<p>The new GRASS provider solved many problems, especially a few nasty bugs that made many GRASS modules not usable under Vista and Seven (caused qgis to crash). See for example #1945 and #2028</p> <p>Moreover it "solved" a qgis critical bug that was not yet spotted: basically after closing a mapset (and leaving a GRASS layer in the legend), if click on the canvas with a tool such the identify qgis crashes. You can test this bug in qgis 1.4.</p> <p>Nevertheless there are a few consequences in the qgis raster layer properties that would need a fix (in the provider or in the properties or maybe both).</p> <p>The symptoms I see are:</p> <p>A) making GRASS raster pixels transparent (properties -> transparency) does not work anymore.</p> <p>B) changing the colormap (freakout, pseudocolor, colormap) does not work anymore.</p> <p>C) if you tested A) and/or B) you probably already noticed that now, in the qgis raster layer properties, the "render as" property (and the below "RGB more..." or "Single Band Properties") are messed:</p> <p>*) GRASS raster should always open as "single band gray" and the "three band color" should be greyed out and not available. In trunk the "render as" property for GRASS rasters shows by default the "three band color" selected (that does not make sense). You can then choose "single band gray", close the properties and then if you'll open it again "three band color" will show correctly greyed out.</p> <p>*) Even when you manually choose "single band gray", the "gray band" dropdown is not populated (should show two options "band1" and "not set") and the "color map" dropdown does not show the correct option.</p> <p>*) The colormap is never shown in the appropriate tab.</p>		

History

#1 - 2010-02-12 11:13 AM - Redmine Admin

All the above problems cannot be solved in GRASS raster data provider. At the moment it does just what it can, it is it gives a picture to the layer.

[[QgsRasterDataProvider]] and [[QgsRasterLayer]] must first be rewritten to really support raster data providers. Current implementation is just mess of GDAL raster layer + WMS hack.

#2 - 2010-02-12 11:20 AM - Giovanni Manghi

Well, then I believe that until we have a "Better support for raster providers" the qgis raster layer properties for GRASS rasters should be changed in order to avoid show wrong/confusing things.

Symbology of GRASS raster can be done through GRASS and the plugin, so probably is possible to make transparent pixels of a certain color.

#3 - 2010-06-11 11:11 AM - Giovanni Manghi

see also #2794

#4 - 2010-06-19 12:24 PM - Jürgen Fischer

GRASS UI aspects are covered by #2794, which can be considered a bug. This is more a refactoring request for the raster layer/providers, so I'm downgrading it.

See also http://www.qgis.org/wiki/Raster_Refactor_RFC and http://www.qgis.org/wiki/Raster_Development_Page

#5 - 2011-03-09 02:14 AM - Giovanni Manghi

- *Resolution set to fixed*
- *Status changed from Open to Closed*

In the latest revisions and with the new Radim work on rasters I see all the above as fixed.