

QGIS Application - Bug report #14678

Raster calculator fails with large raster in QGIS 2.14.1

2016-04-13 02:16 PM - john coleman

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Raster Calculator	
Affected QGIS version:	2.14.1	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	No	Copied to github as #: 22642
Description		
<p>I'm working in QGIS 2.14.1 with a DEM ranging from 200 feet to 1600 feet elevation called "dem_3m_Zft1b" (geotiff, 16822 X 33349 cells, No-data = -9999)</p> <p>If I enter "dem_3m_Zft1b" > 0</p> <p>in the raster calculator I get a result that has a value of 0 everywhere in the raster extent. The calculator does not seem to recognize the existence of any values or of the no-data flag.</p> <p>With a subset/portion of the DEM called "atest9b@1" (4489 X 6175 cells, No-data=-9999), If I enter "atest9b@1" > 0 in the raster calculator I get a result that has a value of 1 where there was data and a value of no-data where there was no-day. Everything seems OK when using the subset.</p> <p>The larger DEM "dem_3m_Zft1b" seems OK in other ways, e.g. the "Identify" tool finds valid values for Band1, but the raster calculator doesn't seem to recognize the data in it.</p> <p>I tried the same operation on the large DEM in the Processing Toolbox, SAGA, Raster Calculator with the syntax: g1 > 0 and I get the correct results, i.e. 1 where there is data and no-data where there isn't.</p>		

History

#1 - 2016-04-14 05:21 AM - Giovanni Manghi

- Category set to Raster Calculator

#2 - 2016-04-14 06:54 AM - Giovanni Manghi

There is (was?) already a ticket on this matter, but now I can't find it. If is still open this should merged with that one.
Meanwhile just use SAGA or GRASS rastcalc, they are much more reliable and robust.

#3 - 2016-04-14 11:13 AM - john coleman

in the bug report;
If I enter "dem_3m_Zft1b" > 0
should read:
If I enter "dem_3m_Zft1b@1" > 0

#4 - 2017-05-01 01:05 AM - Giovanni Manghi

- Regression? set to No

- *Easy fix?* set to *No*

#5 - 2019-02-13 09:37 PM - Nyal Dawson

- *Resolution set to fixed/implemented*
- *Description updated*
- *Status changed from Open to Closed*

This was fixed in 3.4