

## QGIS Application - Feature request #7581

### raster calculator really needs support for conditional statements (to allow reclassify rasters)

2013-04-11 10:36 AM - Giovanni Manghi

<b>Status:</b>	Open	<b>Resolution:</b> <b>Copied to github as #:</b> 16517
<b>Priority:</b>	High	
<b>Assignee:</b>		
<b>Category:</b>	Rasters	
<b>Pull Request or Patch supplied:</b>	No	
<b>Easy fix?:</b>	No	
<b>Description</b>		
<p>One of the most common tasks a user can do in a raster workflow is to reclassify raster maps.</p> <p>At this stage the raster calculator does not support conditional statements, so it is not possible to say (for example):</p> <p>(ASTGTM2_N37W026_dem@1&lt;=30)=1 OR (ASTGTM2_N37W026_dem@1&gt;30)=2 OR (ASTGTM2_N37W026_dem@1&gt;200)=5</p> <p>the workaround is awful</p> <p>(ASTGTM2_N37W026_dem@1&lt;=30)*1 + (ASTGTM2_N37W026_dem@1&gt;30)*2 + (ASTGTM2_N37W026_dem@1&gt;200)*3</p> <p>as the raster calc just return 1 or 0, so the user must multiply for the needed value doing also a few sums along the way (because it is not possible to use conditions).</p>		
<b>Related issues:</b>		
Related to QGIS Application - Bug report # 11682: Raster calculator produces ...		<b>Closed</b> <b>2014-11-18</b>

#### History

##### #1 - 2013-08-13 01:34 AM - Alexander Bruy

Probably related to #4476

##### #2 - 2014-04-25 11:04 AM - Michael Douchin

I agree. For example, we could use full expression syntax, such as

```
CASE
WHEN raster1@1 > raster2@1 THEN raster1@1
...
ELSE raster2@1
END
```

It is related to #4815 too

##### #3 - 2014-06-20 05:52 AM - Giovanni Manghi

- Target version set to Future Release - High Priority

##### #4 - 2017-02-15 08:22 AM - Luiz Andrade

2025-04-27

Agreed, this would be great!

**#5 - 2017-05-01 12:48 AM - Giovanni Manghi**

- *Easy fix? set to No*