QGIS Application - Bug report #8736
Update raster analyses: access data through raster layer instead of GDAL

2013-10-01 07:19 AM - Paolo Cavallini

Status:	Closed		
Priority:	Normal		
Assignee:			
Category:	Analysis library		
Affected QGIS version:	3.0.0	**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 #:**	17451

Description

This affects various modules, e.g. Terrain analyses. This is bad also because they cannot deal with WCS layers, and users are not warned about this.

Related issues:

Related to QGIS Application - Bug report # 8737: QgsRasterTerrainAnalysisPlug...	**Open**	**2013-10-01**
Related to QGIS Application - Feature request # 5857: Make QGIS support WCS l...	**Open**	**2012-06-25**

History

#1 - 2017-02-09 12:46 PM - Alexander Bruy

- Category changed from Rasters to Analysis library

#2 - 2017-02-16 09:11 AM - Paolo Cavallini

Tested with:

http://wms.pcn.minambiente.it/wcs/dtm_75m

after:

https://github.com/qgis/QGIS/pull/4062

but I get:

```
Traceback (most recent call last):
  File "/usr/local/src/qgis/QGIS/build_qgis3/output/python/plugins/processing/gui/AlgorithmDialog.py", line 151, in accept
    if checkCRS and not self.alg.checkInputCRS():
  File "/usr/local/src/qgis/QGIS/build_qgis3/output/python/plugins/processing/core/GeoAlgorithm.py", line 416, in checkInputCRS
    crs = dataobjects.getObject(item).crs()
AttributeError: 'NoneType' object has no attribute 'crs'
```

#3 - 2017-02-16 10:49 AM - Alexander Bruy

That's correct behavior for now. While native zonal statistics was adopted to access raster data via dataprovider, Processing itself still allows only rasters loaded with GDAL provider, because almost all algorithms can work only with local files.

As temporary workaround you can use PyQGIS in Python console if necessary.

#4 - 2017-02-17 01:16 AM - Paolo Cavallini

Thanks for the explanation. However, the unusable layer probably shouldn't show up in the list, to prevent the difficult-to-understand error for the user.

#5 - 2017-05-01 01:09 AM - Giovanni Manghi

- Regression? set to No

- Easy fix? set to No

#6 - 2018-02-24 01:52 PM - Paolo Cavallini

Still true in QGIS 3

#7 - 2018-02-24 01:59 PM - Giovanni Manghi

- Affected QGIS version changed from 2.0.1 to 3.0.0

Paolo Cavallini wrote:

> *Still true in QGIS 3*

Please update the affected version.

#8 - 2019-02-05 10:43 AM - Nyall Dawson

- Resolution set to fixed/implemented

- Status changed from Open to Closed

This is basically fixed now -- the native QGIS algorithms use raster layer API directly, and GDAL algorithms cannot use QgsRasterLayer (which isn't part of GDAL api)