QGIS Application - Bug report #16982
TauDEM Stream and watershed delineation

2017-08-07 01:51 PM - Cecile Kittel

Status:	Closed			
Priority:	Normal			
Assignee:	Alexander Bruy			
Category:	Processing/Core			
Affected QGIS version:	2.18.9	**Regression?:**	No	
Operating System:		**Easy fix?:**	Yes	
Pull Request or Patch supplied:		**Resolution:**	fixed/implemented	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	24881	

Description

There is an issue with how QGIS calls the TauDEM executable "StreamNet" from the command line. The "delineate single watershed" option has the reverse effect: leaving the box unchecked results in a single watershed, whilst checking the box leads to multiple subwatersheds being delineated.

The issue is due to the "-sw" flag (single watershed option): in the description, the boolean parameter value for the "-sw" parameter is set by default to "False" and in the python script "../python/plugins/processing/algs/taudem/TauDEMAlgorithm.py" line 114-116

"
```
    elif isinstance(param, ParameterBoolean):
      if not param.value:
          commands.append(param.name)
```
"

a None value results in the parameter name, in this case "-sw" being appended to the command line. A simple fix is to edit line 115 to (see attached file)
" if param.value:"

which ensures that the flag is only added when a user checks the option, giving the parameter a value of 1, as expected.

History

#1 - 2017-08-07 02:19 PM - Giovanni Manghi

- Operating System deleted (Windows 7)

- Assignee changed from Victor Olaya to Giovanni Manghi

#2 - 2017-08-28 08:43 AM - Alexander Bruy

- Assignee changed from Giovanni Manghi to Alexander Bruy

#3 - 2017-08-30 08:07 AM - Alexander Bruy

- Resolution set to fixed/implemented

- Status changed from Open to Closed

Should be fixed

Files

TauDEMAlgorithm.py	4.92 KB	2017-08-07	Cecile Kittel