Interpreting Water Quality Data from the US Geological Survey

Does the parameter show a seasonal pattern? Circle "yes" or "no" on your sheet

Questions:

1. Use the interactive graph to examine each of the following seven water quality parameters for Paint Branch for the entire year of 2018 check off all the parameters that clearly show a seasonal pattern:

     a. Discharge (yes/no)
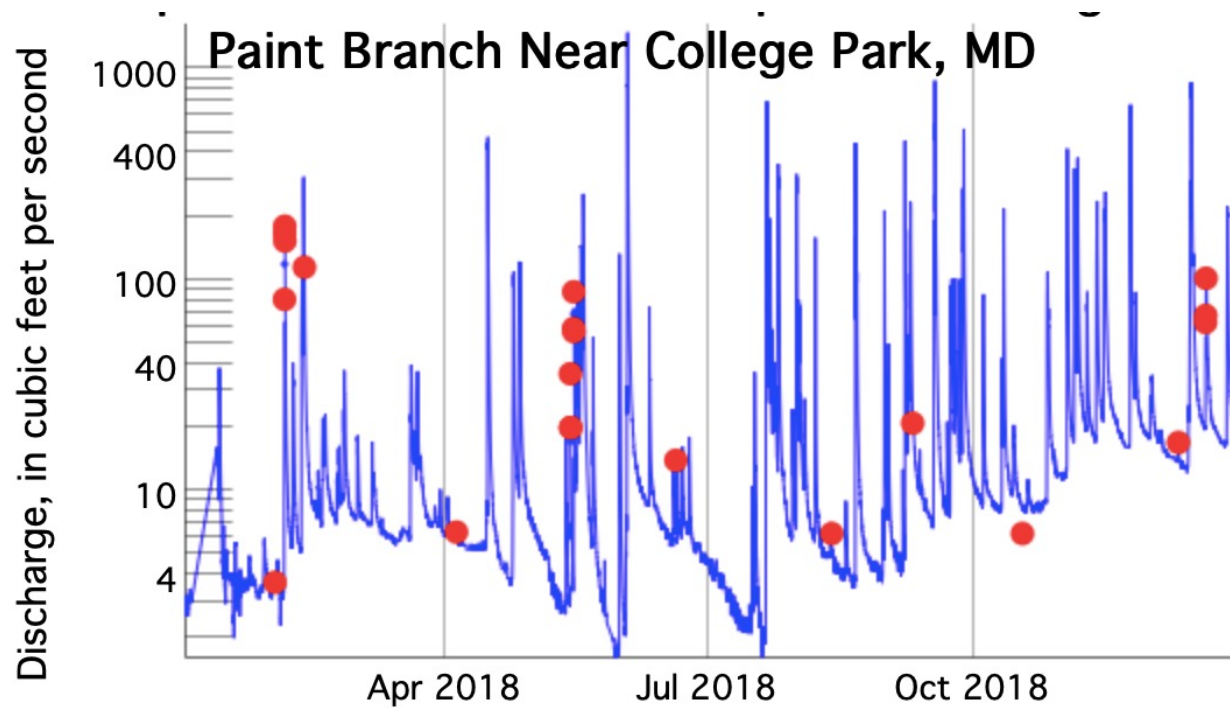
     b. Temperature (yes/no)

     c. Conductance (yes/no)

This parameter (blue line) does not show a seasonal pattern

This would be your first answer

Questions:

1. Use the interactive graph to examine each of the following seven water quality parameters for Paint Branch for the entire year of 2018 check off all the parameters that clearly show a seasonal pattern:

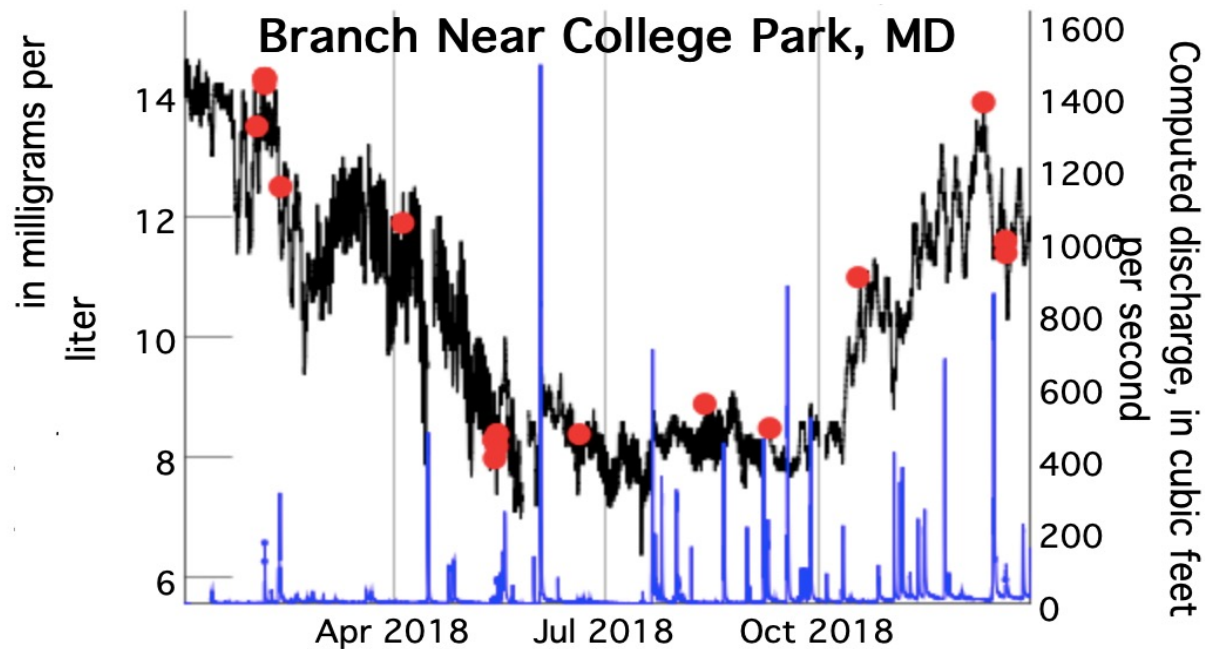   a. → Discharge (yes **no**)

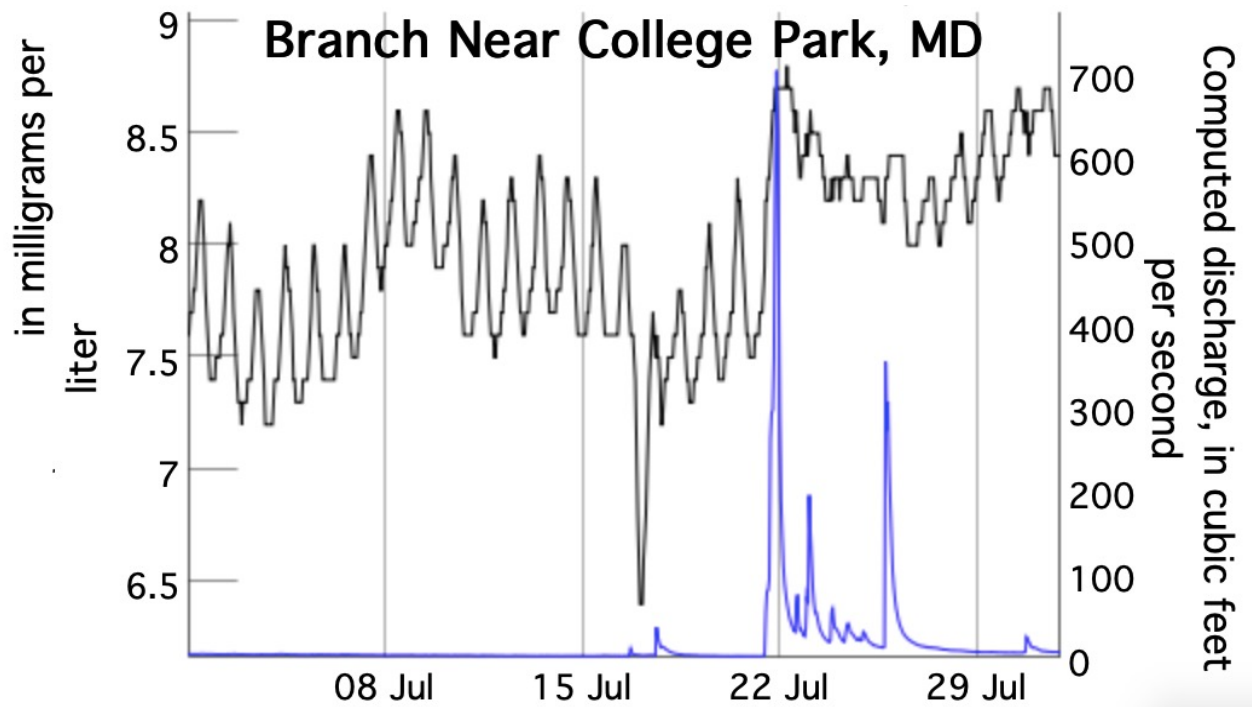   b. → Temperature (yes/no)

    c. → Conductance (yes/no)

This parameter (**black line**) shows a seasonal pattern:
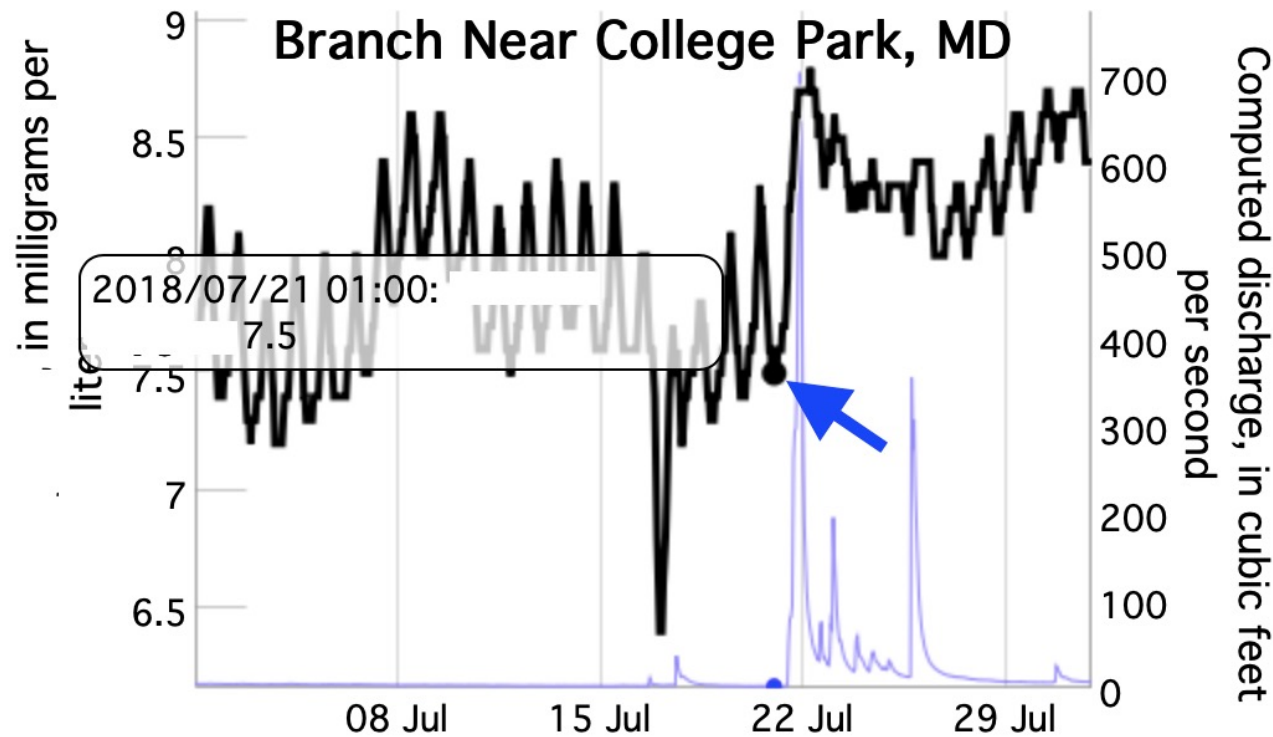Note how it gets low throughout the summer

It is also not correlated with discharge (**blue line**)
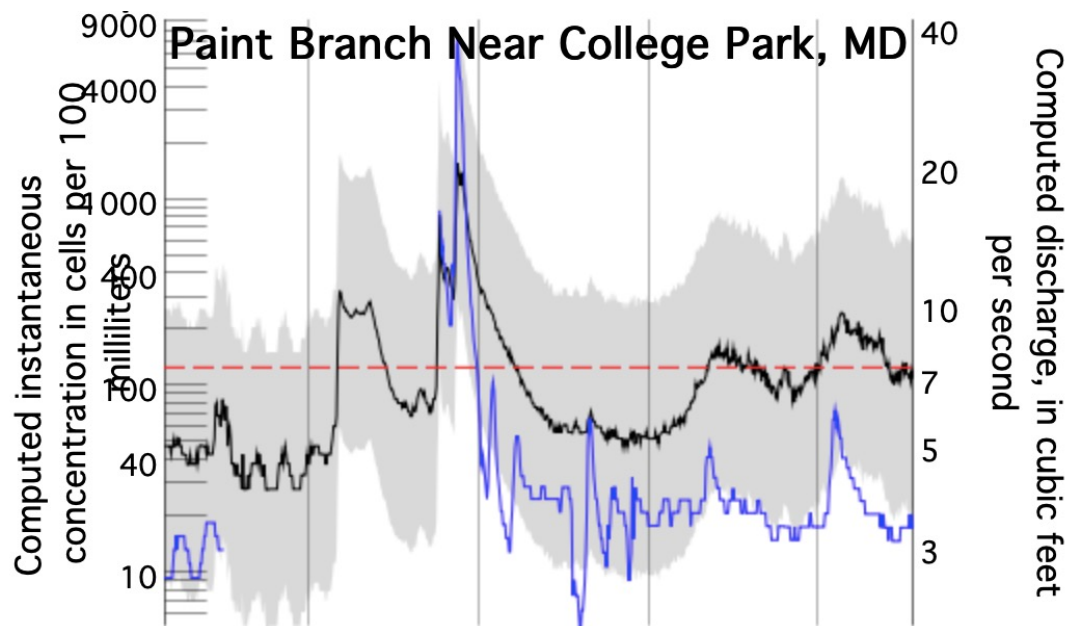
This same parameter (black line) shows a diurnal pattern

The lowest point regularly occurs at night:
This point represents 1 AM

Branch Near College Park, MD

2018/07/21 01:00: 7.5

You find this out by touching the cursor to the lowest point

This parameter (black line) is correlated with discharge (blue line)

Both lines increase and decrease at the same time.