



Volunteers



Sites Monitored

390
volunteer
hoursWater
Samples

RIVANNA
CONSERVATION ALLIANCE
1150 River Road
Charlottesville, VA 229001
(434)-977-4837

BACTERIA MONITORING REPORT

There are many sources of potentially harmful bacteria that can contaminate streams in an urban environment like Charlottesville. Sewer infrastructure glitches, pet and livestock waste, manure application, and wildlife all can contribute varying quantities of bacteria, which end up in our streams after storms. In high amounts, fecal coliform bacteria can cause illness after significant exposure. In 2017, the Rivanna Conservation Alliance (RCA) monitored 14 sites throughout the watershed on a monthly basis to watch for high levels of fecal coliform bacteria. In addition, RCA partnered with the James River Association to take weekly river samples from Memorial Day to Labor Day at two sites on the Rivanna River. Results are made available on our website, so that the public can be informed when streams contain levels of high fecal coliform bacteria.

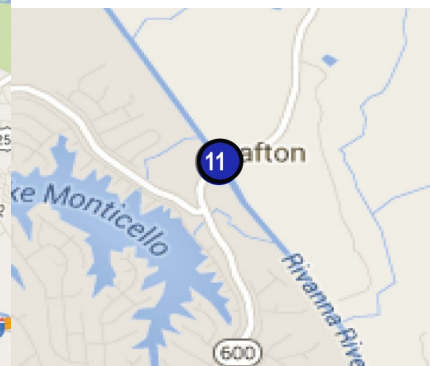
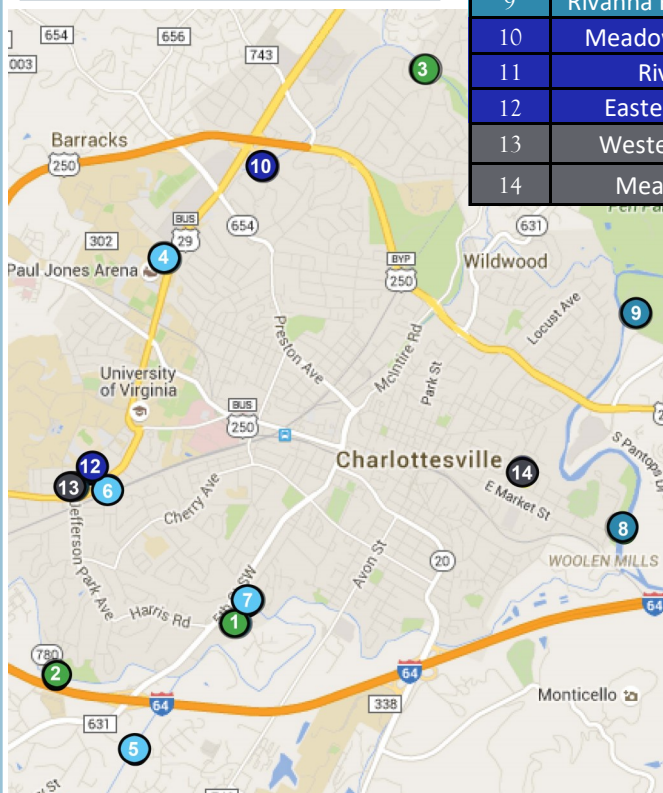
Data through 2017 was collected using the Virginia Department of Environmental Quality's Level II technique. Starting in 2018, RCA has been successfully certified at Level III status, which will provide more accurate results for the watershed and local partners. Monthly sampling will resume in March 2018.

Visit

www.rivannariver.org/bacteria
to view the most recent data

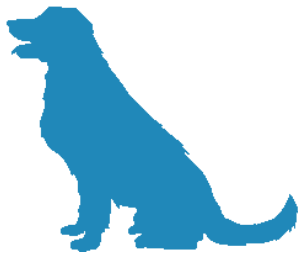
Site #	Site Name	Percent of samples exceeding Safety Standards
1	Lodge Creek-Southeast of 5th St.	0%
2	Moore's Creek Upper- Azalea Park	0%
3	Meadow Creek- SE Brandywine Dr.	0%
4	Meadow Creek-Copeley Rd.	11%
5	Biscuit Run	11%
6	Lodge Creek- South of Jefferson	11%
7	Rock Creek- Southeast of 5th St.	11%
8	Rivanna River- Riverview Park**	16%
9	Rivanna River Darden Towe Park**	17%
10	Meadow Creek- Meadow Brook	22%
11	Rivanna River- Crofton	22%
12	Eastern Trib. to Lodge Creek	22%
13	Western Trib. to Lodge Creek	33%
14	Meade Creek-Meade Park	56%

** Sites monitored weekly



Want to help? Volunteer!
www.rivannariver.org/volunteer

How you can help keep our water clean



Pick up after your pets



Report illicit pipe discharges



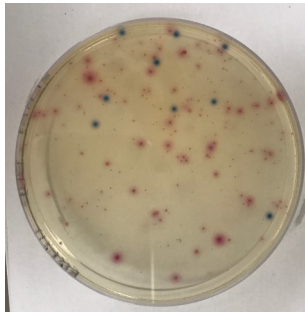
Plant riparian buffers along stream banks



Participate in river and stream cleanups!

Overall findings

The locations we sampled were generally found to be clean. However, precipitation events often result in bacteria levels rising. Whenever a bacterial exceedance is detected, RCA returns to the site to re-test and verify the data. If the stream segment again shows high levels of bacteria, RCA will notify the appropriate local government agency and will work with that agency to resolve the problem.



Thank you!

Citizen Scientist Volunteers

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Deana Sackett
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Evie Sackett
James Peacock
Jill Greiner
John Edelen
Karen Siegrist
Kristina Black
Laura Troy

Neil Means
Nicky Rose
Pat Burkett
Se Jeong
Sydney Blair
Vicki Metcalf
Victoria Young
Wendy Roberman

Community Partners

Albemarle County
City of Charlottesville
Fluvanna County
Rivanna River Basin Commission
Thomas Jefferson Planning District Commission
Rivanna Water and Sewer Authority
The Nature Conservancy
Thomas Jefferson Soil and Water



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