



Jan 15, 2017

Water Quality Testing of the Roe Jan 2016

In 2016 the newly formed [Roe Jan Watershed Community](#), in cooperation with partners Riverkeeper, Trout Unlimited, and the Bard Water Lab, tested the Roeliff Jansen Kill for *Enterococcus*. Testing was done monthly from May through October, on the third Saturday of each month, which aligns with other testing in the region.

We tested ten locations on the main branch of the Roe Jan, one location near the mouth of the Noster Kill tributary, and three shoreline locations on the Hudson in Germantown. In addition to our testing, Riverkeeper sampled the main stem of the Hudson and also coordinated other local groups to sample their tributaries. All of this data is available on the [Riverkeeper web site](#).

The maps and charts on pages 2 through 4 of this document show the results of the RJWC's 2016 testing. We followed the EPA standard for "beach advisory", calling above 60 counts per 100ml a failing condition. On all charts the Y axis is scaled from zero to 120 counts per 100ml, which places the EPA beach advisory, 60, at half of full Y scale. Failing tests are marked in red. Full numeric results are available.

The sampling dates this year coincided with dry periods in the watershed. If samples had been taken in wetter periods the results would likely have been worse, but until we have such data, we don't know how much worse.

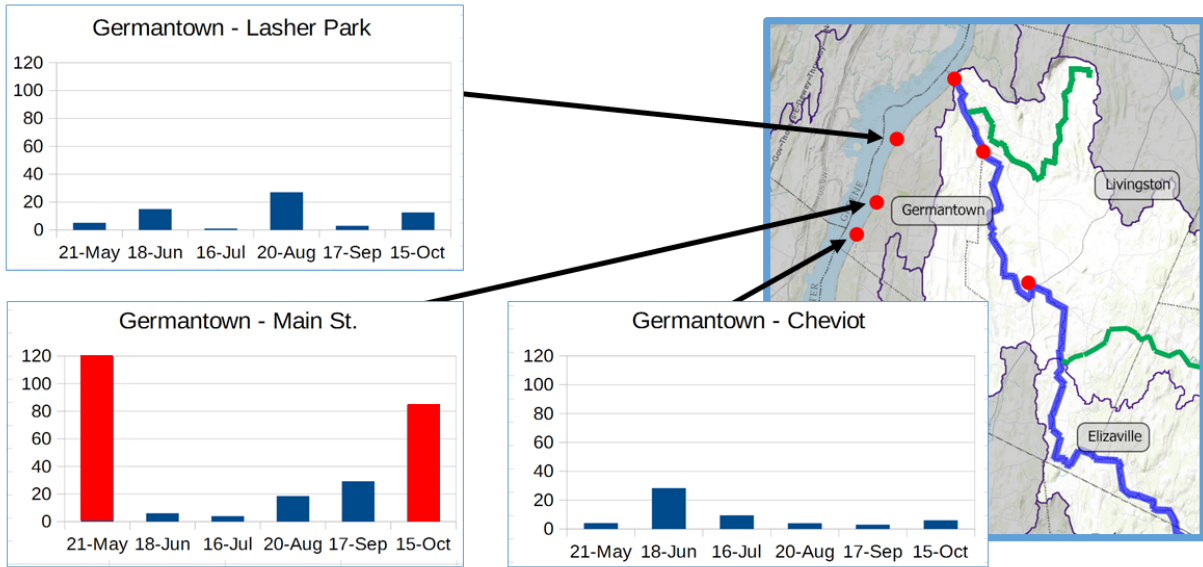
On the main stream of the Roe Jan, including the Noster Kill, there were 8 failing tests of the 66 tests, or about a 12% failure rate. (Removing the problematic Noster kill from the results, the Roe Jan itself had an 8% failure rate.) Another notable fact is that mid and lower Roe Jan sites (Academy Hill Rd, Bingham Mills above and below the dam, Germantown Sportsmen's club, Roe Jan Boat club) did not have a single failure in 2016. Compared to many of the other Hudson river tributaries, this is a very good result. But that should not mean that we know all that we need to know, or that the job is done.

In addition to *Entero* testing, members of the RJWC did macro-invertebrate (WAVE) testing in coordination with the NYS Department of Environmental Conservation. Those results classified the two tested segments as "non-impacted", which agrees with our *Enterococcus* sampling.

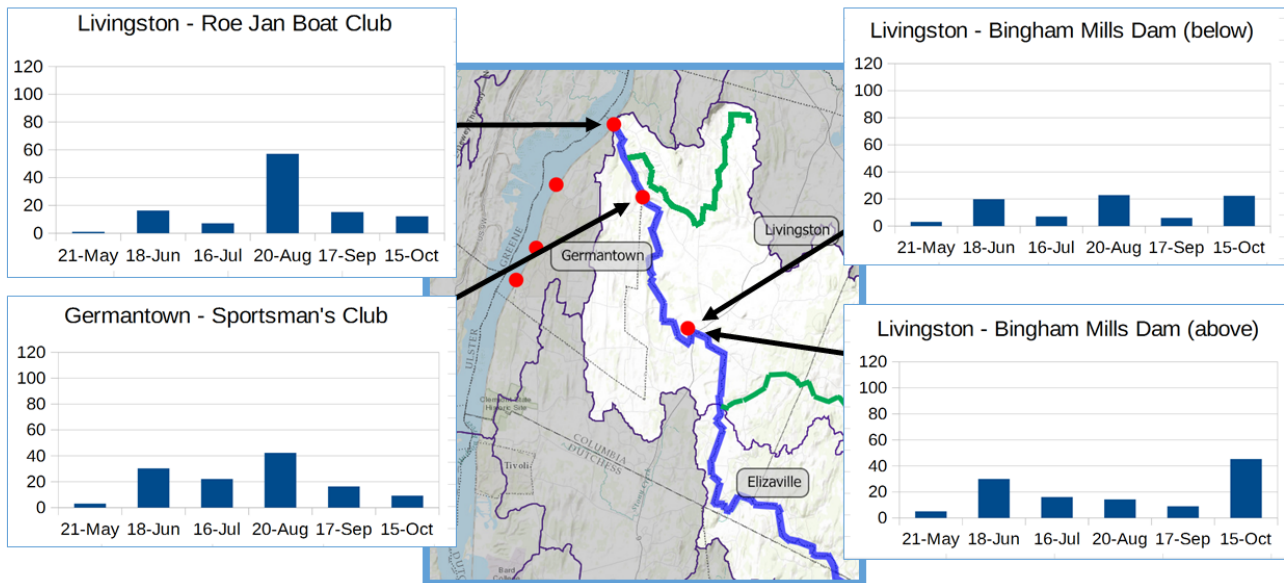
The Roe Jan Watershed Community plans to address a range of issues in 2017, in addition to continuing its testing program.

For further information please write to kaare@roejanwatershed.org

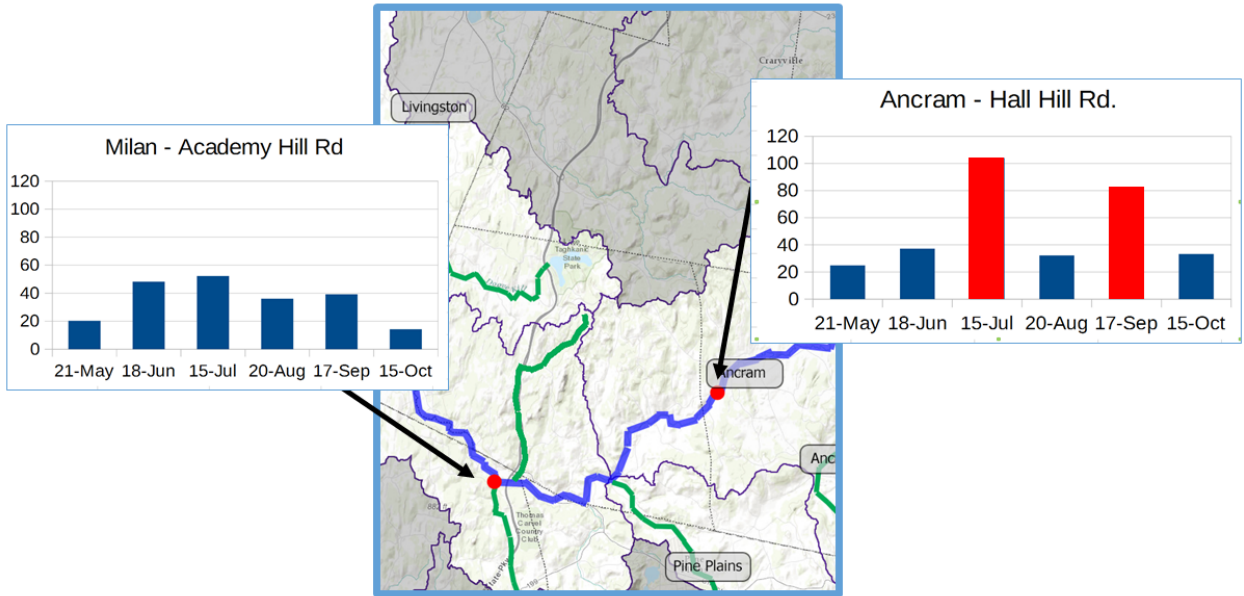
2016 Results --- Hudson River



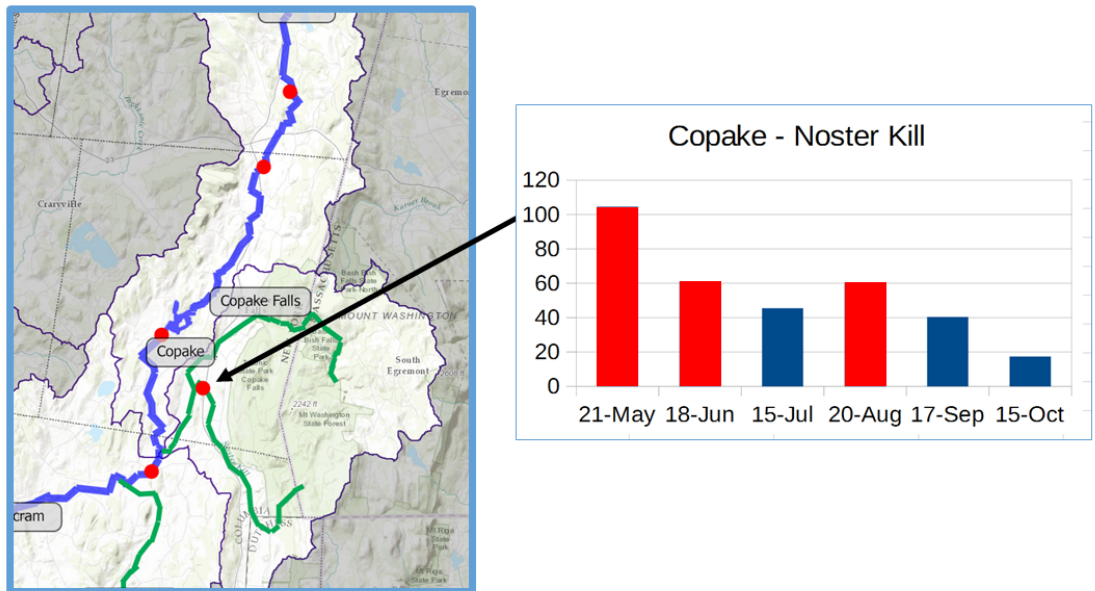
2016 Results --- Lower River



2016 Results --- Midriver



2016 Results --- Noster Kill



2016 Results --- Upriver

