



# Roe Jan Watershed Community

*working with*

Riverkeeper · Trout Unlimited  
Columbia Land Conservancy · Bard Water Lab

[RoeJanWatershed.org](http://RoeJanWatershed.org)



## Very Brief Detour:



DOT/Amtrak  
shotcrete of  
Hudson  
escarpment.

[gossipsofrivertown.blogspot.com](http://gossipsofrivertown.blogspot.com)





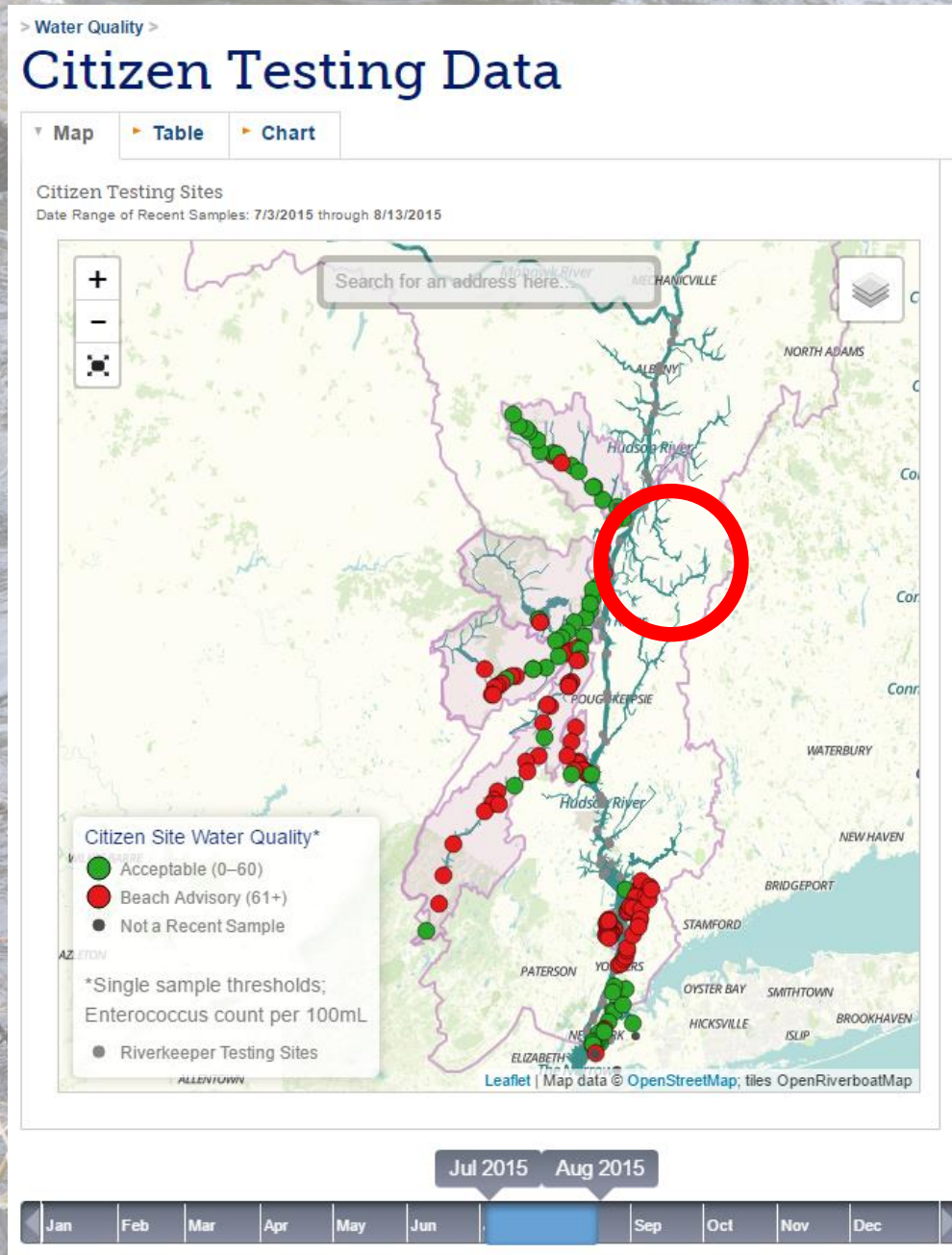
# 2017 Activities

[RoeJanWatershed.org](http://RoeJanWatershed.org)



Riverkeeper Website

2016





Riverkeeper Website

2017

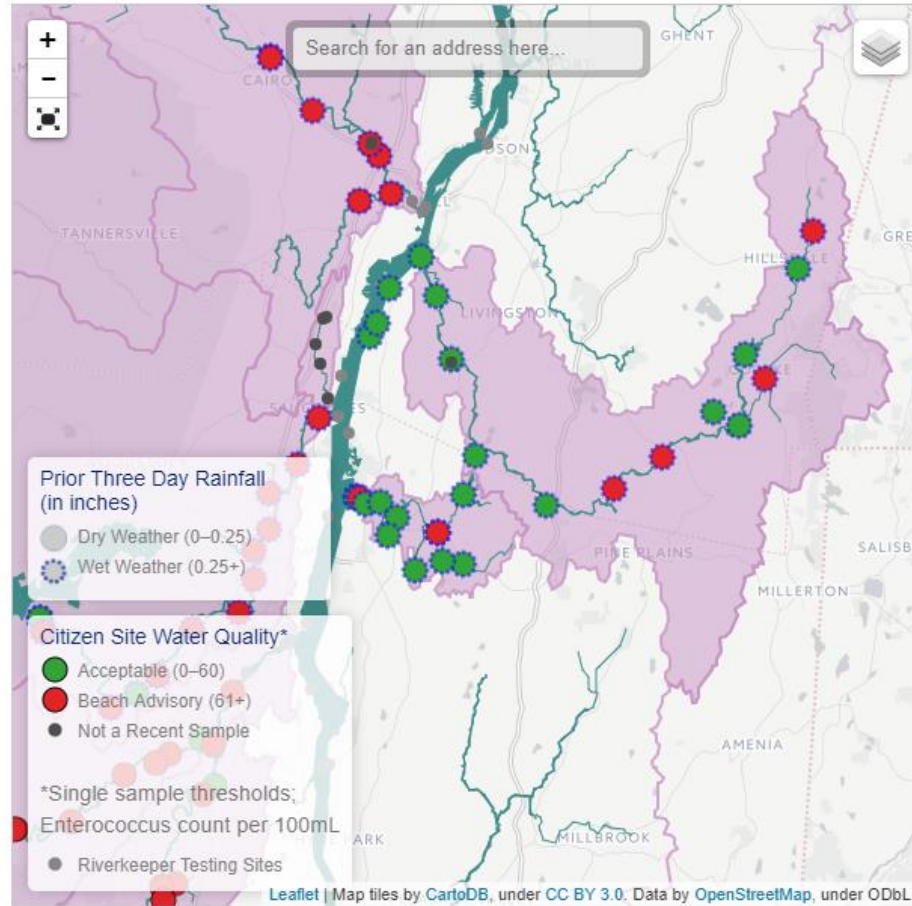
Water Quality > Tributary and Waterfront Data >

## Roeliff Jansen Kill

Map Table Chart

Citizen Testing Sites

Date Range of Recent Samples: 8/23/2017 through 10/18/2017



Aug 2017

Oct 2017

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec



# The Columbia Paper

## Students test water quality of Roe Jan Creek

May 31, 2017 by DAVID LEE

GALLATIN – The second season of water quality testing of the Roe Jan Creek was conducted with assistance, and for the edification of, students from Hudson and Germantown high schools on the morning of Saturday, May 13.

Four students from each of the schools with their advisors gathered at the Academy Hill Bridge fishing access near Jackson's Corners for the first sampling of the day. There they were met by Roe Jan Watershed Community founder Kaare Christian. He acted as host for the morning, introducing them to Colleen Lutz who is a water quality assessment volunteer evaluator (WAVE). She showed the students how she used a "kick-net" to gather a sampling of tiny insects and crustaceans that live in the stream bed. The success of various species can be important indicators of a stream's health.



Roe Jan Watershed Community founder Kaare Christian watched as Germantown student David Fix collected a water sample, Saturday, May 13. Photo by David Lee

# Student Sampling Day May 13, 2017

Then Mr. Christian talked to them about the microscopic sampling of the stream. Germantown student David Fix dipped a sterile bottle to collect a water sample that would be analyzed by the Bard Water Lab for the fecal indicator known as *Enterococcus*. It will also be evaluated for turbidity. David also used a meter to determine the water's temperature and conductivity, the latter being a further indicator of water clarity.

The sampling is conducted on the second weekend of each month. Mr. Christian explained that this is only the second year of this controlled sampling, so there is not yet a large data base from which to make predictions, but in general, the Roeliff Jansen Kill is one of the cleanest Hudson River tributaries.

Mr. Christian brought the students to three other sampling stations along the lower half of the 55-mile creek where they met other people for whom the health of the Roe Jan is of great importance. In Elizaville, they met Vince DuBois who is president of the Columbia-Greene chapter of Trout Unlimited. He talked to them about trout fishing in the stream. At the Bingham Mills Dam they met Michael Hamilton who talked about stream connectivity and the role of dams and natural barriers in the stream. And at the Roe Jan Boat Club, where the stream enters the Hudson River, they met Chris Lindner, director of the Bard Archaeology Field School, who told them about 5,000 years of human settlement along the Roeliff Jansen Kill.

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 [permalink \[https://www.columbiapaper.com/2017/05/students-test-water-quality-roe-jan-creek/\]](https://www.columbiapaper.com/2017/05/students-test-water-quality-roe-jan-creek/)



## The Columbia County Environmental Management Council Good Earthkeeping Awards 2017

On May 22 the [Columbia County Environmental Management Council](#) presented its Good Earthkeeping Award 2017 to two close friends of the Roe Jan Watershed Community.

In the individual category the award went to Colleen Lutz. She was cited for her work on the Ancram Conservation Advisory Council, and also for her work on the Ancram planning board. As one of the key members of the RJWC, Colleen organizes our WAVE sampling. Her 2016 WAVE report can be found [here](#). Colleen was one of the key players in the RJWC's 2017's [Student Sampling day](#), showing the students how to collect and identify macroinvertebrates in the Roe Jan. In the Ancram CAC's nomination, they noted "Colleen is a quiet, patient and gentle force of nature for natural resource protection in our community." We couldn't agree more. Congratulations Colleen.



*Colleen Lutz and Vince DuBois, President, Columbia Greene chapter of Trout Unlimited*

The EMC's Earthkeeping award for a group went to the Columbia Greene chapter of Trout Unlimited, one of our close partners and an early strong supporter. At the national level TU is an unwavering voice for the Clean Water Act, and locally that has translated into work on fish stocking, culvert replacement, stream restoration, and more. Their on-the-ground knowledge helps channel state funds to the most pressing local needs. And of course, TU is interested in fishing, and they are deeply involved in helping the next generation to be both good anglers and good stewards of the environment. The award was accepted on behalf of the chapter by president Vince Dubois and Wendover (Wendy) Neefus.



# Columbia Land Conservancy Easement Holders Event





**Saturday,  
April 29**  
**ELIZAVILLE FALLS**

Rain-cold date: April 30

**Join local lore**  
You'll have stories to tell  
afterward—we promise.

★ ★ ★ ★  
**ROE JAN**  
**Canoe**  
**RACE**  
★ ★ ★ ★



A scene on Main Street in Germantown following a Roe Jan canoe race circa 1974. Courtesy of Beth Parks.

**More than**  
**\$5,000 Raised**  
**for the American**  
**Cancer Society**  
**since 2015**

★ **Paddle Toward a Cure** ★

Check behind flyer for sponsor sheets or go to: [RoeJanCreekboatclub.org](http://RoeJanCreekboatclub.org)

\$25 suggested donation for non-sponsored racers

Open house potluck at Roe Jan Creek Boat Club in Linlithgo afterward

\*Sponsored by Columbia Tree Care and Hudson River Zeitgeist\*

Racers should arrange drop-off at Elizaville Falls, where Routes 2 and 19 meet in Elizaville. Kayakers welcome. Life preservers mandatory. Start between 9:30 and 10:30 a.m. on 4/29. Expect three-to-five hours on the water, getting wet, many sets of rapids, fourteen miles.

Direct race questions to Jen Crawford at [roejanrace@gmail.com](mailto:roejanrace@gmail.com). Also send an email with names, phone numbers and email addresses of all participants to pre-register! Donations collected at start. Make checks payable to the American Cancer Society.



# Northeast Outdoor Show with Trout Unlimited

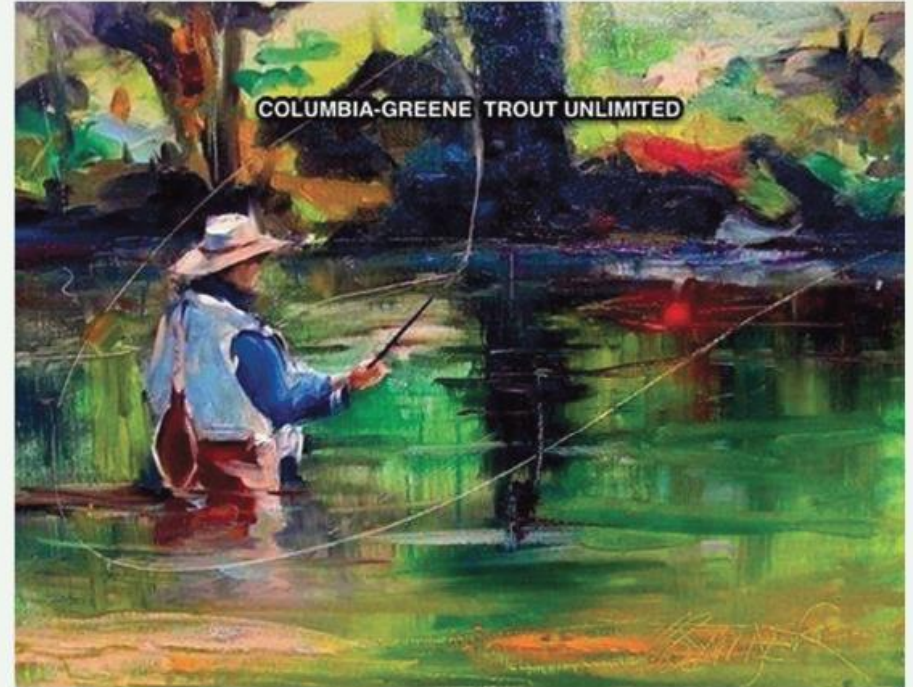
**NORTHEAST OUTDOOR SHOW**

**MAY 19TH - MAY 20TH, 2018**

**DUTCHESS COUNTY FAIRGROUNDS  
RHINEBECK, NY**

**TICKET INFO COMING SOON!**

**LEARN MORE**



**We Support**



**ROE JAN  
WATERSHED COMMUNITY**



A photograph of a river with a bridge in the background, surrounded by trees and vegetation. The river is calm, reflecting the surrounding greenery. The bridge is made of concrete and has a metal guardrail. The trees are mostly deciduous with green leaves, suggesting a spring or summer setting. The overall scene is a natural, wooded area.

# 2017 Sampling

[RoeJanWatershed.org](http://RoeJanWatershed.org)



# 2017 Sampling Project

- **Working closely with Riverkeeper, following their blueprint**
  - Monthly May to October, in coordination with other regional sampling
- **Sampling for *Enterococcus* for posting on Riverkeeper.org**
- **Measuring Temperature, Turbidity and Conductance for baseline data**
- **At 16 Sites**
  - 3 Hudson shoreline sites, 2 in Germantown Parks
  - 4 Downstream Sites
  - 9 Upstream Sites
- **Analysis at the Bard Water Lab**

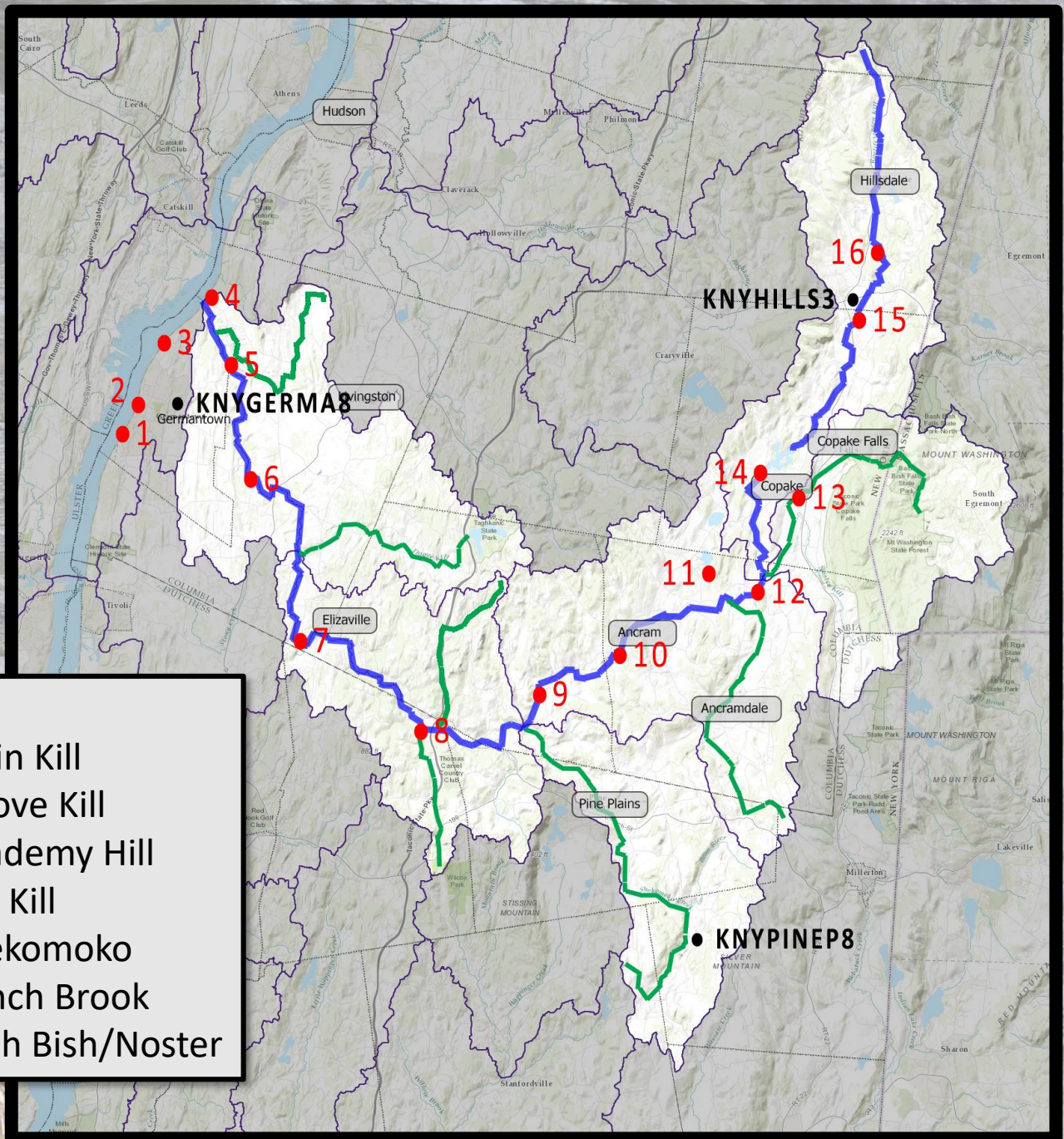


# 2017 Sites

1. Germantown- Cheviot Park floating docks
2. Germantown- Hudson River near WWTP
3. Germantown- Lasher Memorial Park floating docks
4. Livingston- RoeJan Boat Club
5. Germantown- Sportsman's Club
6. Livingston- Below Bingham Mills Dam
7. Clermont/Livingston- Kerley Corners Rd. Bridge
8. Milan- Academy Hill Road Bridge fishing access
9. Gallatin- Gallatin Conservation Area
10. Ancram- Hall Hill Road Bridge
11. Ancram- Lower Rhoda Pond
12. Ancram- Wiltsie Bridge Road fishing access
13. Copake- Noster Kill tributary at Route 7A
14. Copake- Robinson Pond outlet
15. Copake- Roeliff Jansen Park stream access
16. Hillsdale- Collins Street Extension

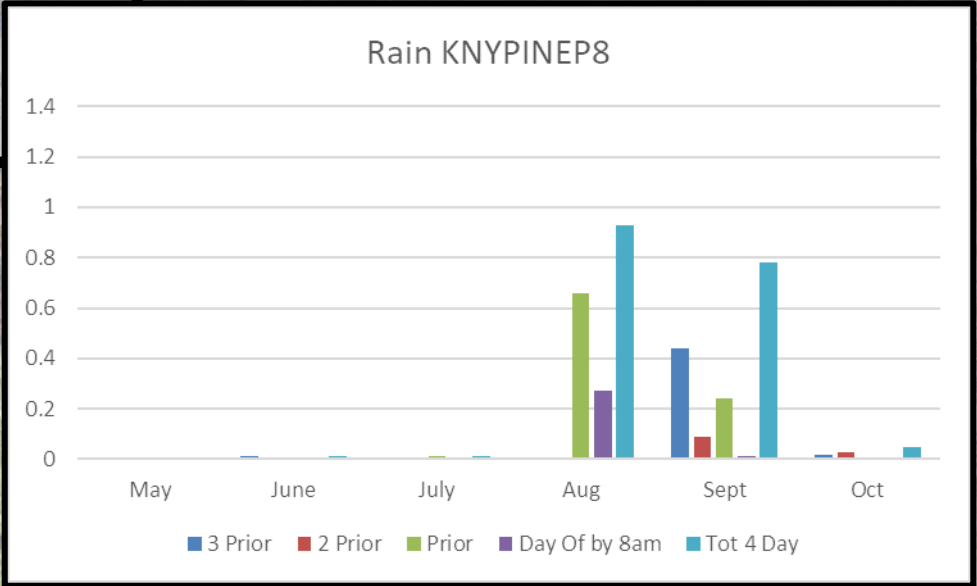
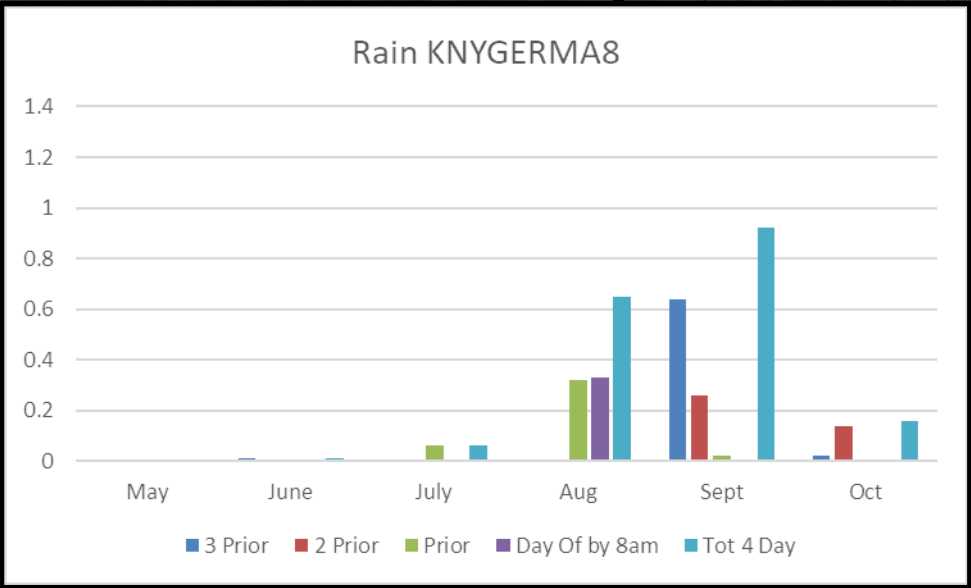
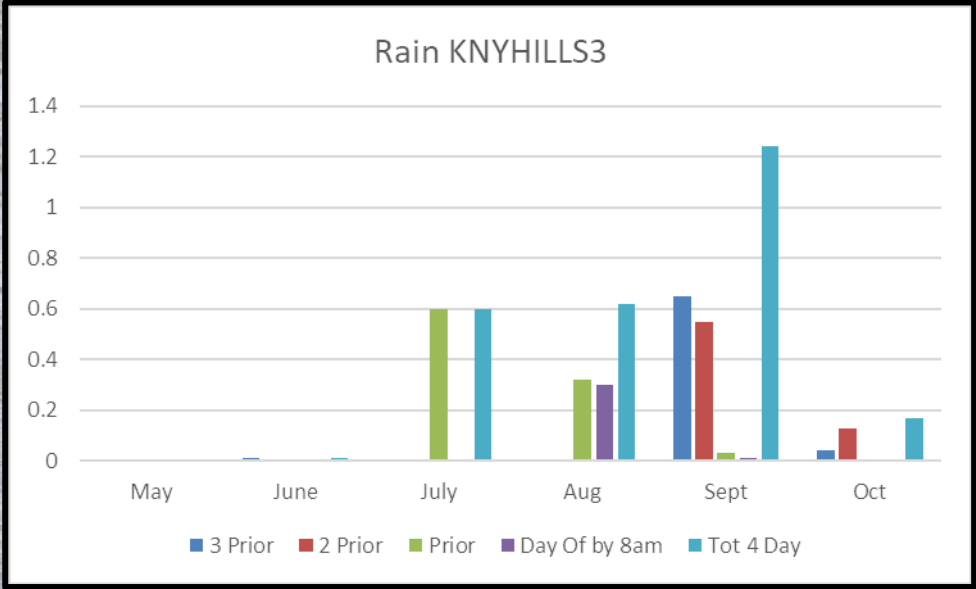
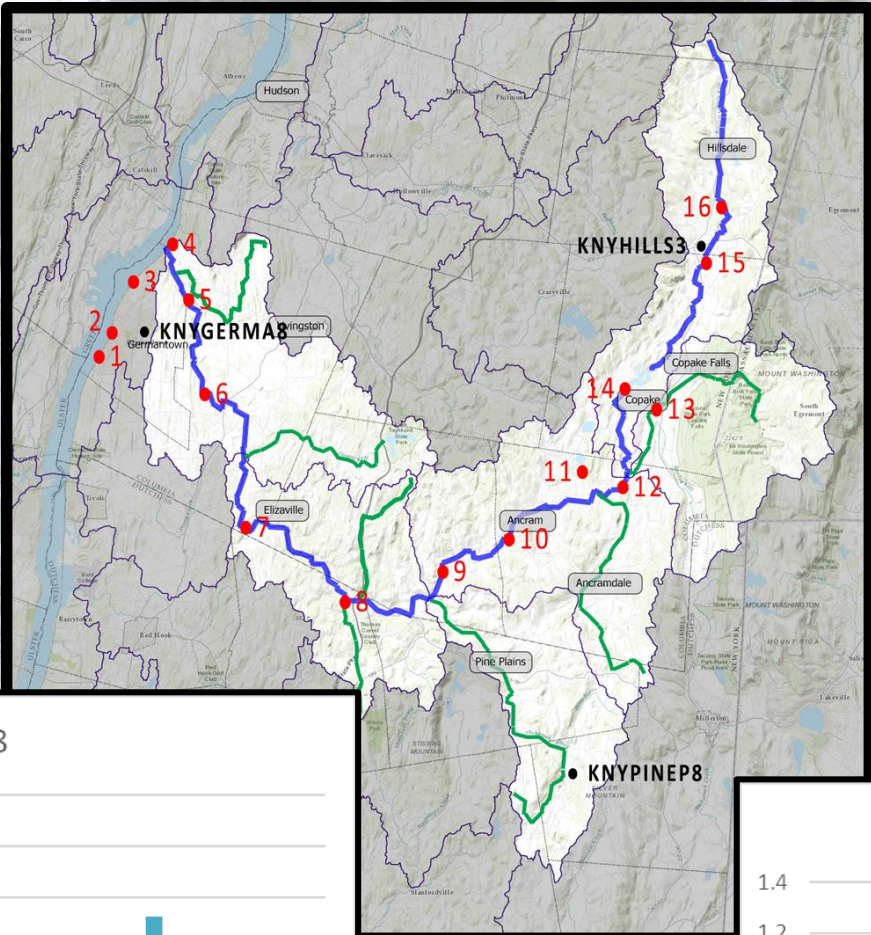
## Tribs:

- Klein Kill
- Doove Kill
- Academy Hill
- Fall Kill
- Shekomoko
- Punch Brook
- Bash Bish/Noster





# 2017 4-Day Rainfall

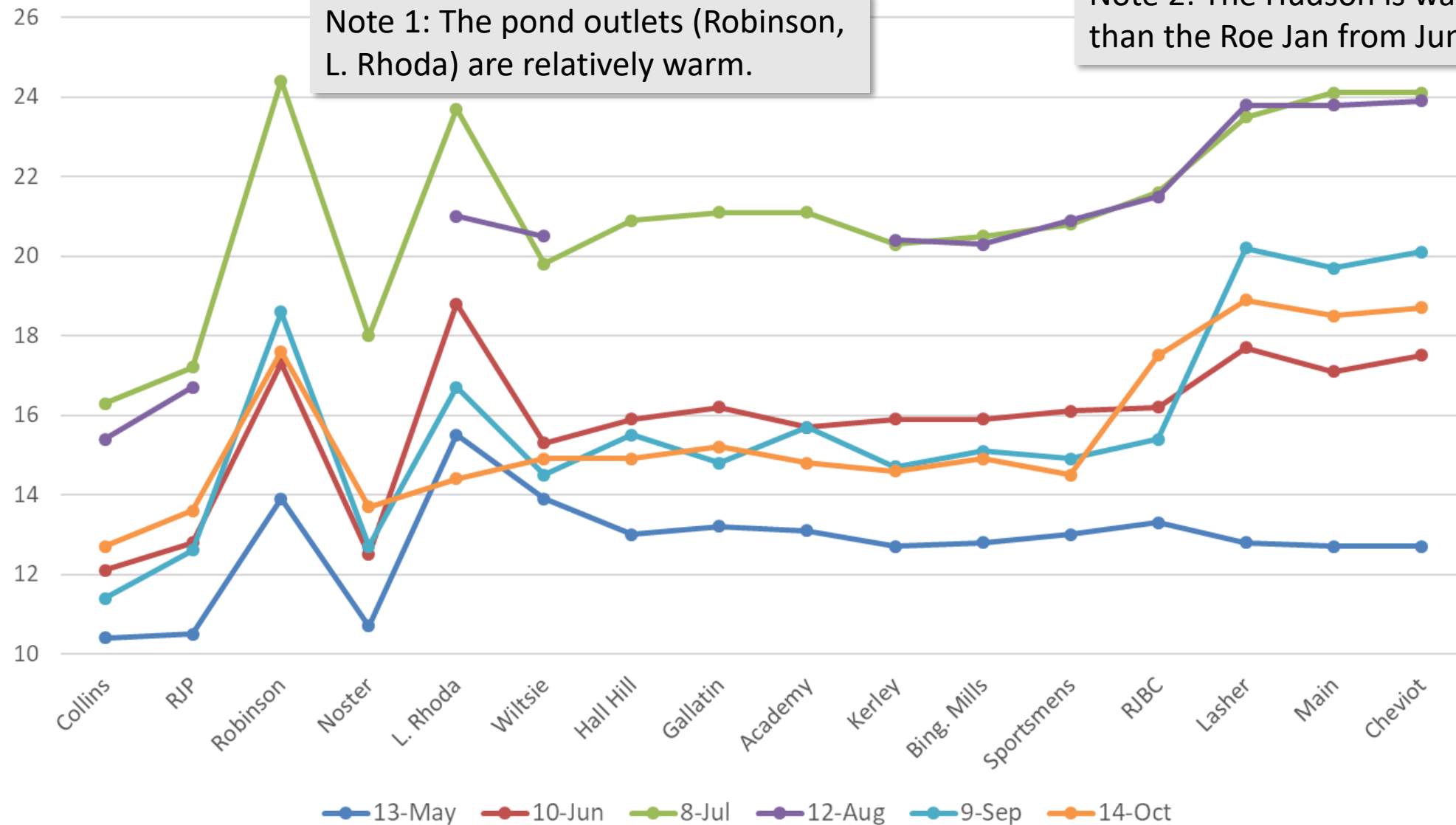




# RJ Watershed Temp (°C) All Data

Note 1: The pond outlets (Robinson, L. Rhoda) are relatively warm.

Note 2: The Hudson is warmer than the Roe Jan from June to Oct.

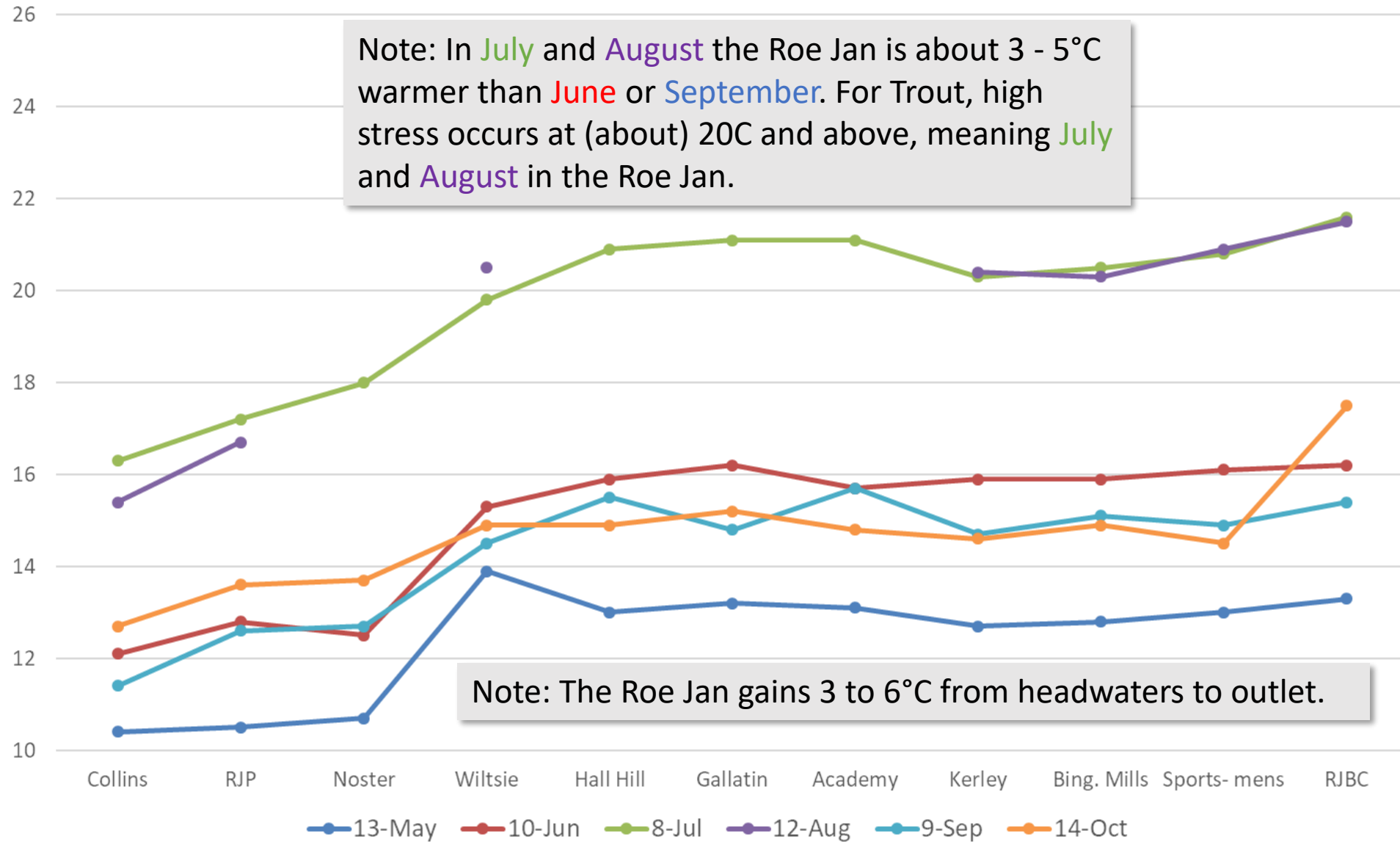


Wet Sampling Periods



### Roe Jan Kill Temp (°C)

Note: In **July** and **August** the Roe Jan is about 3 - 5°C warmer than **June** or **September**. For Trout, high stress occurs at (about) 20C and above, meaning **July** and **August** in the Roe Jan.

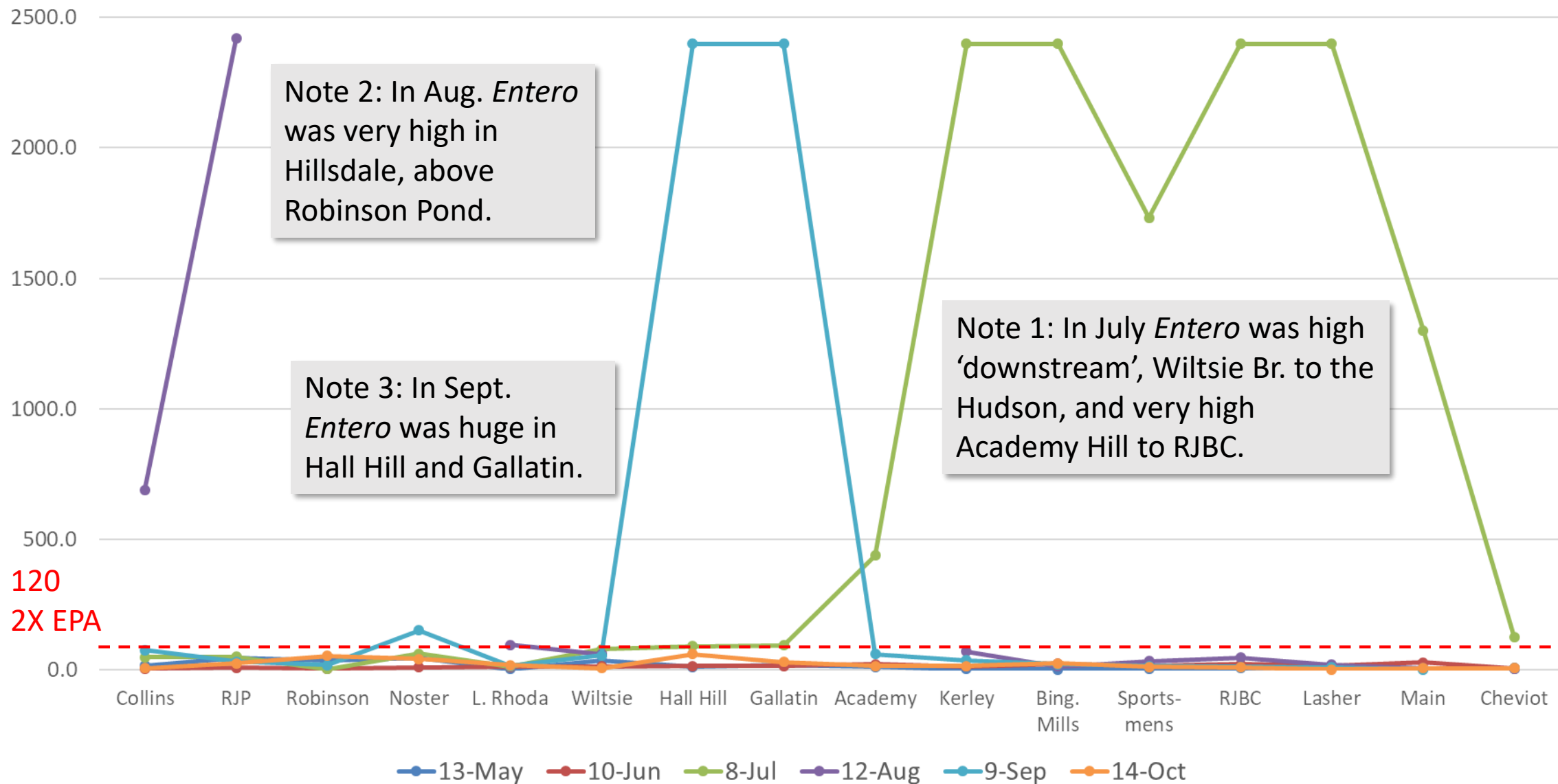


Note: The Roe Jan gains 3 to 6°C from headwaters to outlet.

Wet Sampling Periods



# Roe Jan Entero Counts (CFU/100ml)



Wet Sampling Periods

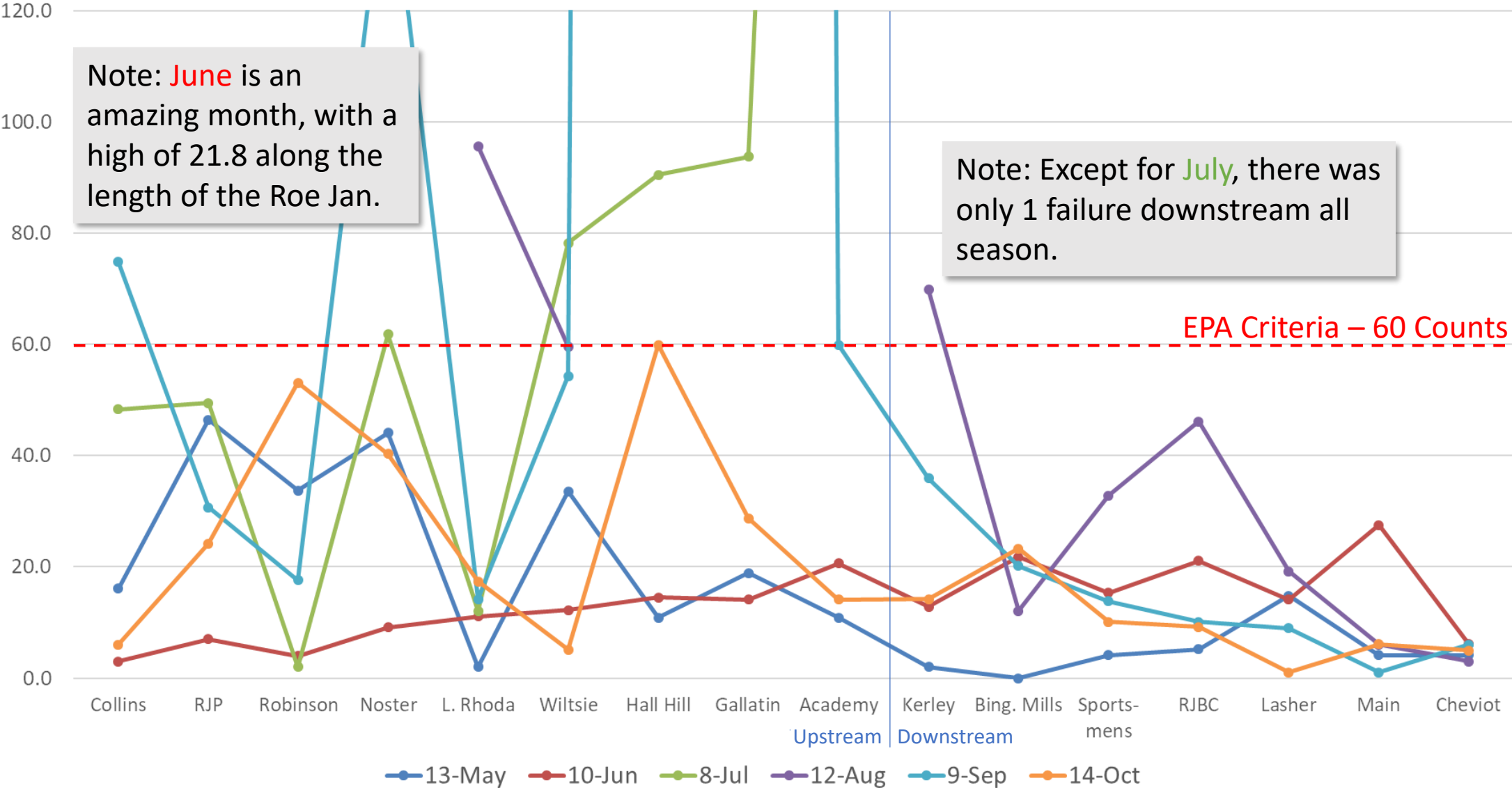


Roe Jan Entero Counts (CFU/100ml), MAX count 120

Note: **June** is an amazing month, with a high of 21.8 along the length of the Roe Jan.

Note: Except for **July**, there was only 1 failure downstream all season.

EPA Criteria – 60 Counts



Wet Sampling Periods

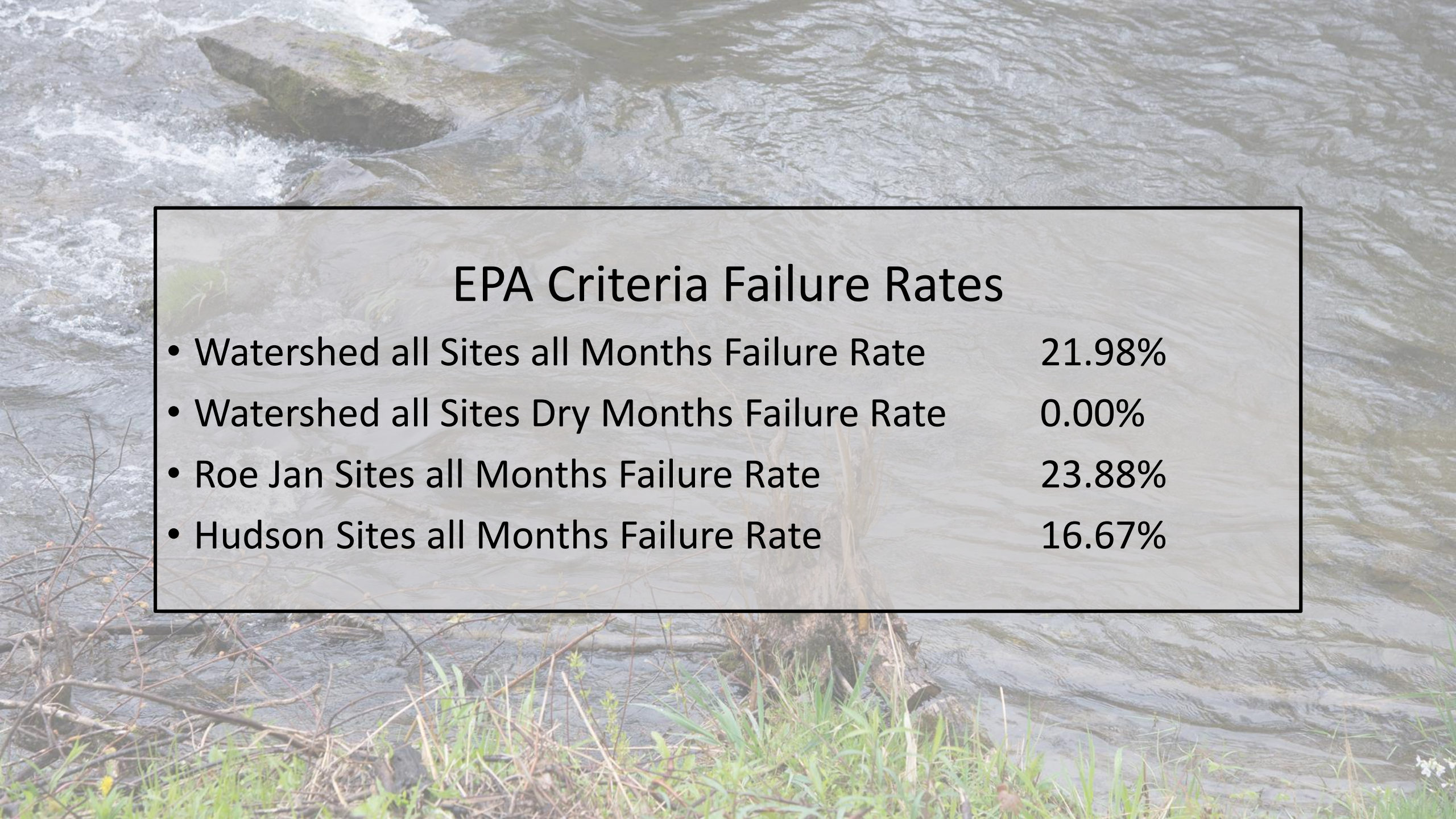




## Dry Months

- May
  - No failures on the Roe Jan or the Hudson
  - Average on the Roe Jan of 18.5
- June
  - No failures on the Roe Jan or the Hudson
  - Highest reading on the Roe Jan was 21
  - Average on the Roe Jan was 12.1
- October
  - No failures on the Roe Jan or Hudson
  - A close call of 59.9 at Hall Hill
  - Average on the Roe Jan was 24.7



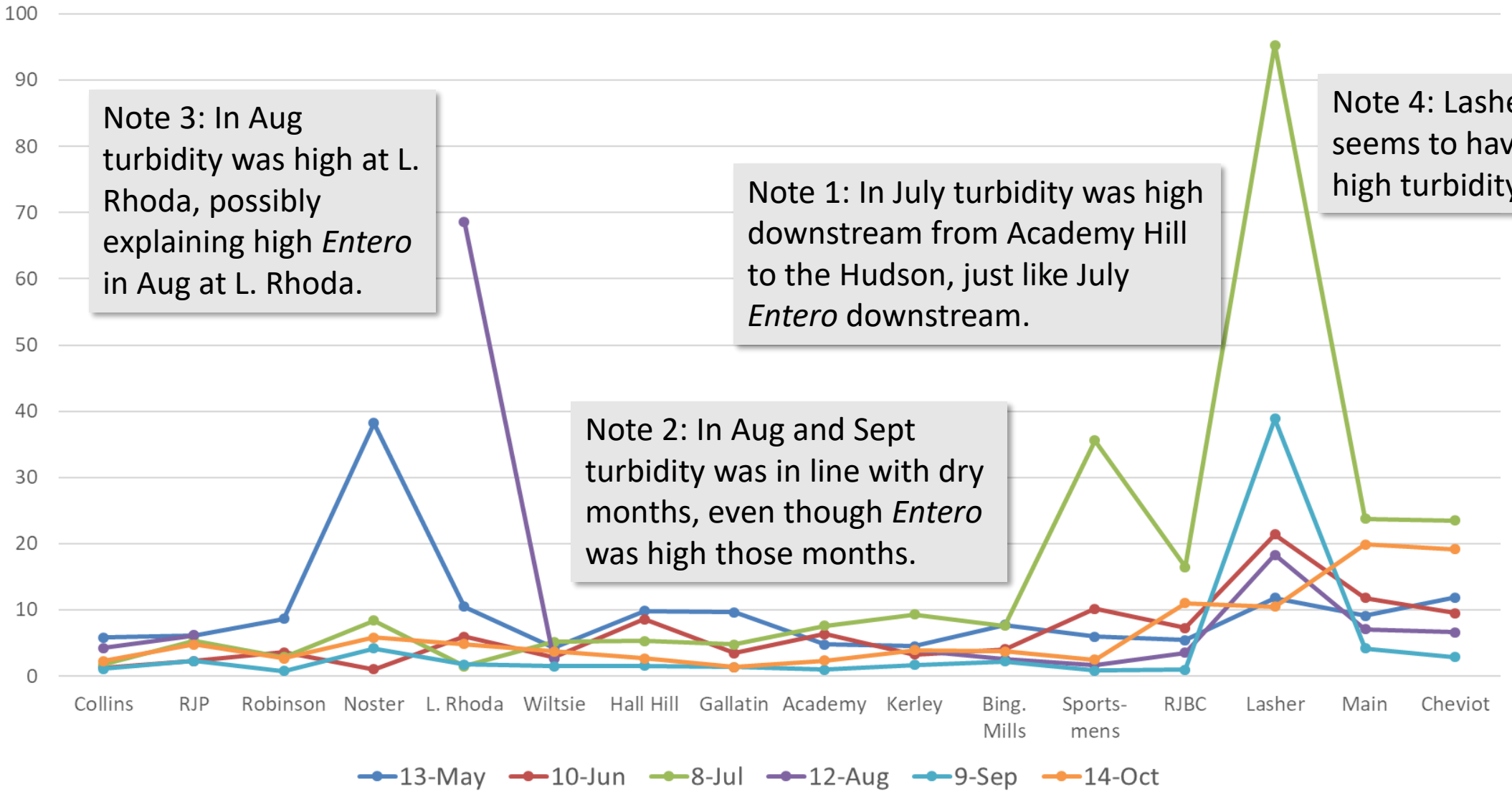
The background of the slide is a photograph of a river. In the upper left, a large, dark, mossy rock protrudes from the water, creating white rapids. The water is a murky, greyish-brown color. In the foreground, there are green reeds and some dry, brown branches. The overall scene is a natural, somewhat overcast river environment.

## EPA Criteria Failure Rates

- Watershed all Sites all Months Failure Rate 21.98%
- Watershed all Sites Dry Months Failure Rate 0.00%
- Roe Jan Sites all Months Failure Rate 23.88%
- Hudson Sites all Months Failure Rate 16.67%



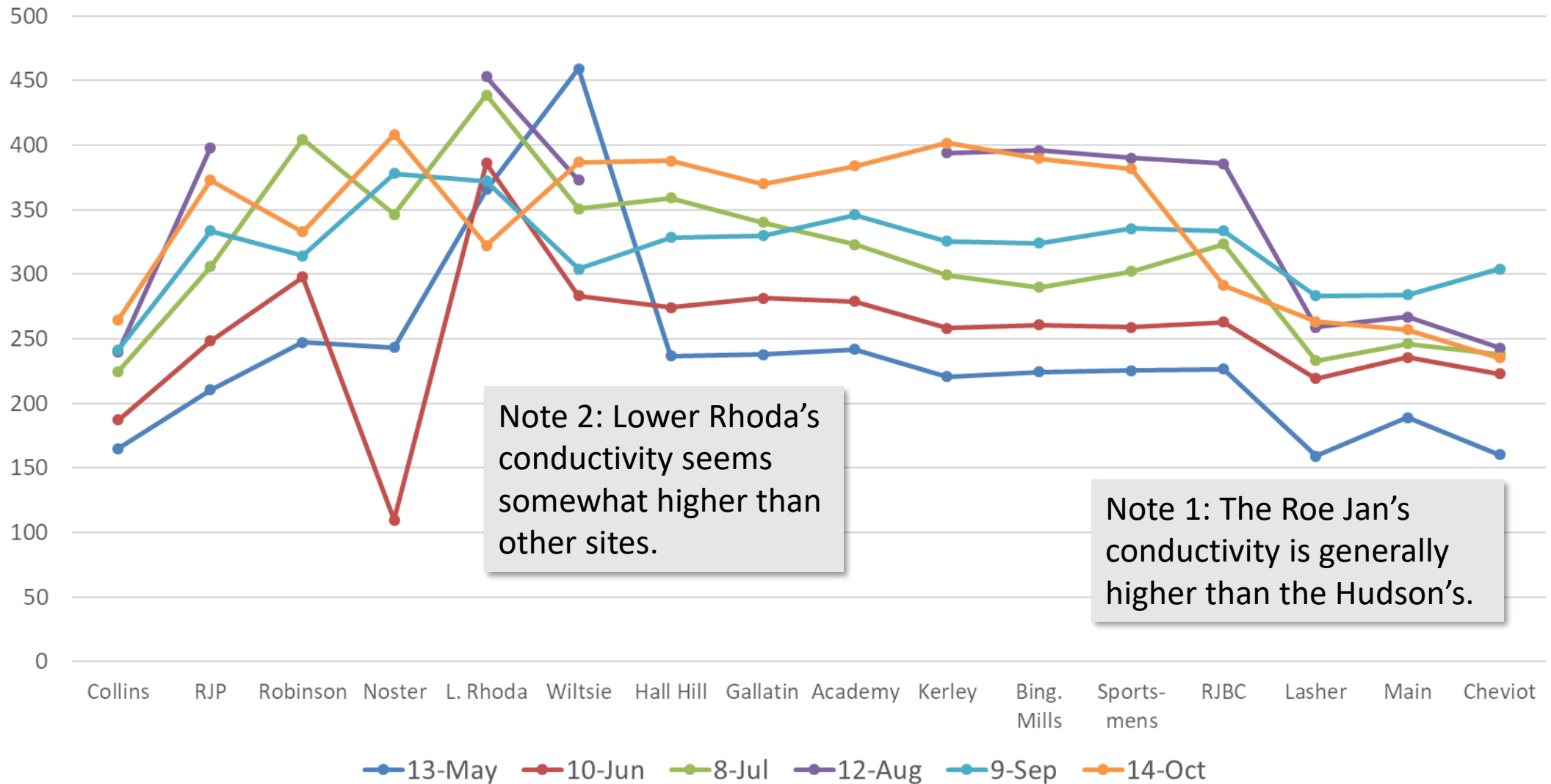
Roe Jan 2017 Turbidity (ntu)



Wet Sampling Periods



## Roe Jan Conductivity (uS)



Wet Sampling Periods



A photograph of a small bridge over a river in a wooded area. The bridge is made of concrete and has a metal guardrail. It is surrounded by trees and greenery. The water is calm and reflects the surrounding environment. The scene is peaceful and natural.

# Discussion

[RoeJanWatershed.org](http://RoeJanWatershed.org)



# SITE DISCUSSION

- Possibly drop site - Lower Rhoda Pond Outlet Ancram (low *Entero* readings)
- Drop site - Lower Main St. Germantown (RR, close to Cheviot)
- Possibly drop site - Collins St. Hillsdale (Hard, close to RJ park)
- Possibly drop site - Hall Hill Rd. Ancram – (Hard, near Gallatin) and replace with Ancram paper company site
- Probably add site - Shekomeko Creek, Pine Plains – get baseline data prior to likely large development in the Shekomeko watershed



# FUNDING DISCUSSION

- 2017 Expenses – Approx \$1000 for sampling and \$1200 for two meters
- 2017 TU Paid for one meter
- 2017 Stakeholders Contributions:
  - Ancram CAC: \$180 for 3 sites
  - Robinson Pond Homeowners Assoc: \$60 for Robinson outlet site
  - Gallatin Town Parks: \$60 for Gallatin Preserve site
  - Germantown Sportsmen's Club: \$60 for Sportsmen's site
- RJWC is now incorporated as a NYS Non Profit (NOT as a 501c3)
  - Plan is to get an EIN and Bylaws and Officers
  - ... get our own Bank Account
  - ... manage our own fiscal affairs, ending our reliance on RvK as fiscal sponsor





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