

Saw Mill River and Hudson River Stakeholder Report

LOOK DEEP INTO NATURE, AND THEN YOU WILL UNDERSTAND EVERYTHING. - ALBERT EINSTEIN



Photo Credit: Steve Pucillo [Farragut Ave.]

"THE RIVER IS LOW"

"The river is low" was a reverberating statement from our volunteers that arrived in the lab after both sampling dates this month. Even after the mention of how lovely and comfortable our spring and summer seasons have been before the heat waves, there was still much concern for the lack of rainfall we have been observing lately within the watershed. Surprising amounts of bacteria were found throughout the Saw Mill river and its tributaries - even with the reported lack of rainfall and low water levels across the watershed.

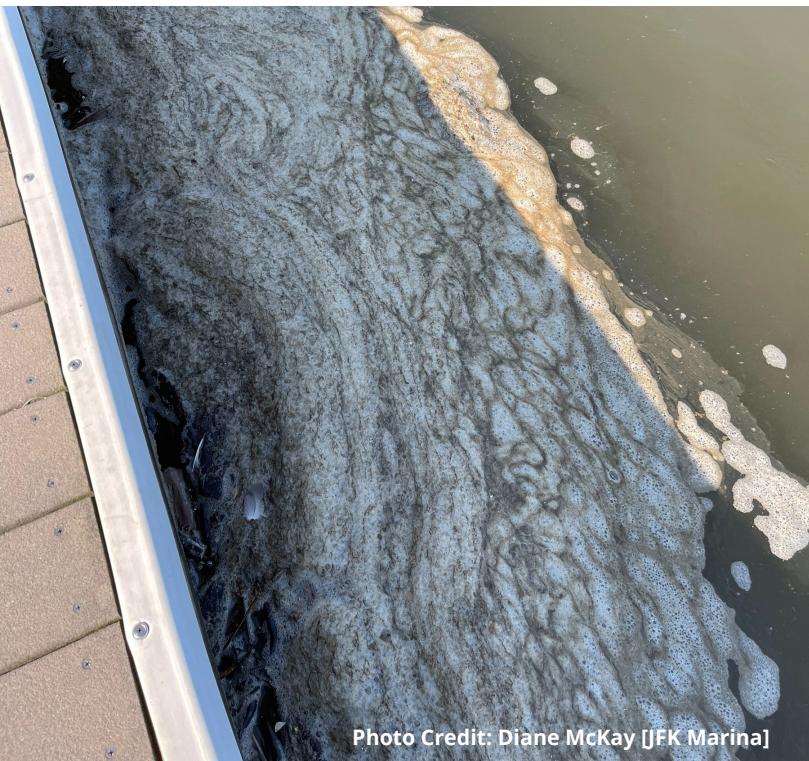


Photo Credit: Diane McKay [JFK Marina]

(The Distinguished River): A section of our newsletter dedicated to the great ever changing rivers

Warm waters, excess nutrients, and dry weather are the perfect conditions for stream suds. This photo, taken by sampler Diane M. at JFK Marina, depicts these natural processes in real time along the floating dock present on site. The breakdown of organic matter accumulation and the introduction of other natural and introduced biota in streams can cause a foaming reaction. This foam is often seen as white and airy and turns a brown color as time passes.

To read more about foam on rivers, check out [this page by the Ausable River Association](#).

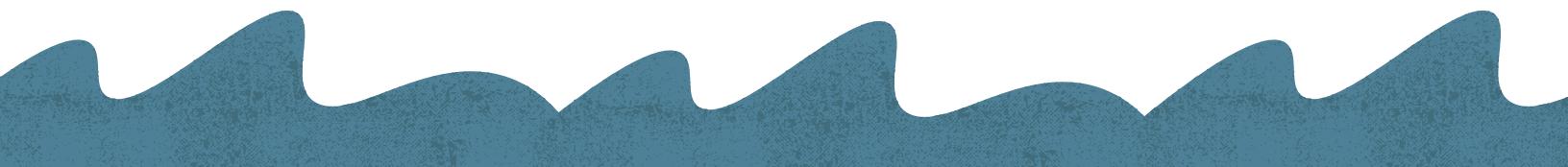
(DATA):

Most Probable Number (MPN) of Colony Forming Enterococcus Bacteria per 100ml sample. EPA recommends public notification and possible temporary beach closure for single Enterococcus samples above 60 cells/100ml. Samples testing above this threshold appear in **red** on the Riverkeeper website, while those below it appear in **green**. To avoid exposure to chronic contamination, the geometric mean, a weighted 30-day average, should not exceed 30 cells/100ml. To avoid exposure to occasional high levels of contamination, no more than 10% of samples should exceed 110 cells/100ml.

Watershed	River Mile	Site ID	Site Name	Sample Date	Sampling Time	MPN*
Hudson	-	SMR-HR-20	(YONKERS) JFK Marina Boat Launch	8/4/22	8:43 A	20
Hudson	-	SMR-HR-18.5	(YONKERS) Yonkers Paddling and Rowing Club	8/5/22	11:43 A	31
Saw Mill	0.19	SMR-0.19	(Yonkers) SMR, Daylighted Section	8/4/22	11:58 A	173
Saw Mill	1.11	SMR-1.11	(YONKERS) Walsh Road	8/4/22	10:11 A	613
Saw Mill	2.44	SMR-2.44	(YONKERS) Torre Place	8/4/22	9:55 A	573
Saw Mill	4.22	SMR-4.22	(YONKERS) Hearst Street	8/4/22	10:42 A	185
Saw Mill	4.87	SMR-4.87	(HASTINGS) S. County Trail Boat Access at Farragut Avenue	8/4/22	10:32 A	109
Saw Mill	7.9	SMR-7.9	(ARDSLEY) V.E. Macy Park Ballfields	8/4/22	10:07 A	275
Saw Mill	10.31	SMR-RB-0.13	(GREENBURG) Rum Brook Tributary	8/4/22	9:05 A	583
Saw Mill	10.41	SMR-10.41	(GREENBURG) Rum Brook Park Ballfields	8/4/22	8:57 A	301
Saw Mill	11.72	SMR-MB-0.15	(ELMSFORD) Mine Brook Tributary	8/4/22	8:40 A	272
Saw Mill	11.82	SMR-11.82	(ELMSFORD) Above Mine Brook	8/4/22	8:50 A	471
Saw Mill	14.88	SMR-14.88	(MOUNT PLEASANT) Saw Mill River Road	8/4/22	9:27 A	269
Saw Mill	17.57	SMR-NB-0.07	(MOUNT PLEASANT) Nannyhagen Brook Tributary	8/4/22	11:23 A	414
Saw Mill	18.84	SMR-18.84	(PLEASANTVILLE) Pleasant Avenue	8/4/22	11:10 A	397
Saw Mill	20.66	SMR-TB-0.34	(NEW CASTLE) Tertia Brook Tributary	8/4/22	10:54 A	299
Saw Mill	21.18	SMR-21.18	(NEW CASTLE) Duck Pond Spillway	8/4/22	10:46 A	520

The data presented above was collected and analyzed during the first sampling event of the month of August - please excuse this delay in data reporting to stakeholders. Data collected at YPRC on 8/5/2022 supported the Blue Team's Summer Riverfront Environmental Day.

This weeks results can be found below.



(DATA):

Most Probable Number (MPN) of Colony Forming Enterococcus Bacteria per 100ml sample. EPA recommends public notification and possible temporary beach closure for single Enterococcus samples above 60 cells/100ml. Samples testing above this threshold appear in **red** on the Riverkeeper website, while those below it appear in **green**. To avoid exposure to chronic contamination, the geometric mean, a weighted 30-day average, should not exceed 30 cells/100ml. To avoid exposure to occasional high levels of contamination, no more than 10% of samples should exceed 110 cells/100ml.

Watershed	River Mile	Site ID	Site Name	Sample Date	Sampling Time	MPN*
Hudson	-	SMR-HR-20	(YONKERS) JFK Marina Boat Launch	8/18/22	11:20 A	<10
Hudson	-	SMR-HR-18.5	(YONKERS) Yonkers Paddling and Rowing Club	8/18/22	10:13 A	<10
Saw Mill	0.19	SMR-0.19	(Yonkers) SMR, Daylighted Section	8/18/22	11:50 A	211
Saw Mill	1.11	SMR-1.11	(YONKERS) Walsh Road	8/18/22	9:29 A	520
Saw Mill	2.44	SMR-2.44	(YONKERS) Torre Place	8/18/22	9:13 A	504
Saw Mill	4.22	SMR-4.22	(YONKERS) Hearst Street	8/18/22	10:25 A	122
Saw Mill	4.87	SMR-4.87	(HASTINGS) S. County Trail Boat Access at Farragut Avenue	8/18/22	10:10 A	85
Saw Mill	7.9	SMR-7.9	(ARDSLEY) V.E. Macy Park Ballfields	8/18/22	9:51 A	31
Saw Mill	10.31	SMR-RB-0.13	(GREENBURG) Rum Brook Tributary	8/18/22	10:17 A	399
Saw Mill	10.41	SMR-10.41	(GREENBURG) Rum Brook Park Ballfields	8/18/22	10:20 A	62
Saw Mill	11.72	SMR-MB-0.15	(ELMSFORD) Mine Brook Tributary	8/18/22	8:40 A	201
Saw Mill	11.82	SMR-11.82	(ELMSFORD) Above Mine Brook	8/18/22	8:45 A	253
Saw Mill	14.88	SMR-14.88	(MOUNT PLEASANT) Saw Mill River Road	8/18/22	9:29 A	341
Saw Mill	17.57	SMR-NB-0.07	(MOUNT PLEASANT) Nannyhagen Brook Tributary	8/18/22	9:16 A	432
Saw Mill	18.84	SMR-18.84	(PLEASANTVILLE) Pleasant Avenue	8/18/22	9:04 A	160
Saw Mill	20.66	SMR-TB-0.34	(NEW CASTLE) Tertia Brook Tributary	8/18/22	8:42 A	345
Saw Mill	21.18	SMR-21.18	(NEW CASTLE) Duck Pond Spillway	8/18/22	8:54 A	650



SPECIAL ACKNOWLEDGMENTS

The program is funded in part by ConEdison and is part of the Lower Hudson Urban Waters Collaborative which includes CURB, Riverkeeper, and Bronx River Alliance.



We also take a moment to thank YOU!

WE ACKNOWLEDGE YOUR SUPPORT IN HELPING US CREATE A UNIFIED VOICE SURROUNDING OUR LOCAL WATERWAYS THROUGH VOLUNTEERING, RESEARCH, EDUCATION, AND OUTREACH. IF YOU WISH TO BECOME MORE INVOLVED AND LEARN HOW YOU CAN SUPPORT US, VISIT OUR WEBSITE AT

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