

Saw Mill River and Hudson River Stakeholder Report

AN UNDERSTANDING OF THE NATURAL WORLD IS A SOURCE OF NOT ONLY GREAT CURIOSITY, BUT GREAT FULFILMENT.

- DAVID ATTENBOROUGH

Photo Credit: S. County Trail - Steve Pucillo



WET WEATHER VS. MILDLY WET WEATHER

Samples from the first collection date of June 9 trailed a morning with a measurement high of 3.1 inches of rain. Data results indicated that this rainfall attributed large amounts of the fecal indicator bacteria that exceeded the maximum capacity of our testing process throughout the Saw Mill River watershed. This river, unlike the Hudson River, is not connected to Combined Sewer Overflow (CSO) based sewage treatment plants. CSO based sewage treatment plants mitigate maximum capacity by overflowing a mixture of stormwater and sewage into larger waterbodies - such as the plant in Yonkers connected to Hudson River. The Saw Mill River is part of a Municipal Separate Storm Sewer System (MS4); this system hosts sewage and storm water in separate pipes and does not have a maximum capacity overflow.

Samples from yesterday's collection date of June 23 trailed a morning with a measurement high of 0.5 inches of rain. And although this amount of rainfall seems like a small measurement, there is still some impacts of this on the results of a single event sample of fecal indicator bacteria testing.



Diagram By: US Environmental Protection Agency

Yesterday's rain event did not reach the total testing maximum as did the last sampling event; however, even a half of an inch of rain has clear impacts on water quality and health of the river exceeding policy safety thresholds throughout the entire mainstem Saw Mill River and its tributaries. These bacteria also have impacts on other important attributes of water such as its dissolved oxygen content.

(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	6/23/22	11:16 A	41
Hudson	-	SMR-HR-18.5	(YONKERS) Yonkers Paddling and Rowing Club	6/23/22	11:00 A	20
Saw Mill	0.19	SMR-0.19	(Yonkers) SRM, Daylighted Section	6/23/22	11:25 A	223
Saw Mill	1.11	SMR-1.11	(YONKERS) Walsh Road	6/23/22	9:56 A	546
Saw Mill	2.44	SMR-2.44	(YONKERS) Torre Place	6/23/22	9:42 A	1376
Saw Mill	4.22	SMR-4.22	(YONKERS) Hearst Street	6/23/22	10:35 A	256
Saw Mill	4.87	SMR-4.87	(HASTINGS) S. County Trail Boat Access at Farragut Avenue	6/23/22	10:28 A	145
Saw Mill	7.9	SMR-7.9	(ARDSLEY) V.E. Macy Park Ballfields	6/23/22	9:54 A	238
Saw Mill	10.31	SMR-RB-0.13	(GREENBURG) Rum Brook Tributary	6/23/22	9:26 A	332
Saw Mill	10.41	SMR-10.41	(GREENBURG) Rum Brook Park Ballfields	6/23/22	9:21 A	203
Saw Mill	11.72	SMR-MB-0.15	(ELMSFORD) Mine Brook Tributary	6/23/22	9:00 A	201
Saw Mill	11.82	SMR-11.82	(ELMSFORD) Above Mine Brook	6/23/22	9:10 A	557
Saw Mill	14.88	SMR-14.88	(MOUNT PLEASANT) Saw Mill River Road	6/23/22	NA	NA
Saw Mill	17.57	SMR-NB-0.07	(MOUNT PLEASANT) Nannyhagen Brook Tributary	6/23/22	9:15 A	673
Saw Mill	18.84	SMR-18.84	(PLEASANTVILLE) Pleasant Avenue	6/23/22	8:37 A	563
Saw Mill	20.66	SMR-TB-0.34	(NEW CASTLE) Tertia Brook Tributary	6/23/22	8:59 A	110
Saw Mill	21.18	SMR-21.18	(NEW CASTLE) Duck Pond Spillway	6/23/22	8:51 A	127



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We also take a moment to thank Atomyze and 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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