

Saw Mill River and Hudson River Stakeholder Report

I DON'T WANT TO PROTECT THE ENVIRONMENT, I WANT TO CREATE A WORLD WHERE THE ENVIRONMENT DOESN'T NEED PROTECTING. - UNKNOWN



Photo Credit: Richie Walsh Rd.

LOOKING BACK

Our sampling season seems to have come and gone with swift movement through our lives. Volunteers dedicated weeks of sampling and transport of critical data that informs us on the health of our river. A question we receive all too often is "How is the water quality of [site indication]". It is always difficult to answer this inquiry because - there is not one way answer to this question. Natural systems are constantly changing and in order to give a broad stroke answer, long term studies of the environment in question need to be completed. Even then, it is complicated since there are many changing factors that influence the system constantly. The following geometric mean (gm) calculations of the 2021 season are just that, a represented central tendency based on the single samples collected throughout the season.

These numbers do not correlate with words such as "good" or "bad"; but rather, "needs continuing research" or "needs additional support" - because no two sampling days are the exact same and no moments of sampling collection contain the same sample. We look forward to continuing our research of the Saw Mill and Hudson River and providing stakeholders, such as yourself, with information that supports the continued learning of our environment.

(GM DATA SUMMARY 2021 SEASON)

NYC-HR-20 YONKERS - JFK MARINA.....	96
NYC-HR-18.5 YONKERS - YPRC.....	94
SMR 0.19 - YONKERS - SAW MILL DAYLIGHTED.....	653
SMR 1.11 - YONKERS - WALSH RD.....	1616
SMR 2.44 - YONKERS - TORRE PL.....	917
SMR 4.22 - YONKERS - HEARST ST.....	318
SMR 4.87 - HASTINGS - S. COUNTY TRAIL.....	332
SMR 7.9 - ARDSLEY - V.E. MACY PARK.....	325
SMR-RB-0.13 - ELMSFORD - RUM BROOK TRIB.....	563
SMR 10.41 - ELMSFORD - RUM BROOK BALLFIELDS.....	460
SMR-MB-0.15 - ELMSFORD - MINE BROOK TRIB.....	575

SMR 11.82 - ELMSFORD - ABOVE MINE BROOK.....	877
SMR 14.88 HAWTHORNE - SAW MILL RIVER RD.....	682
SMR-NB-0.07 - HAWTHORNE - NANNYHAGEN TRIB.....	1405
SMR 18.84 PLEASANTVILLE - PLEASANT AVE.....	533
SMR-TB-0.34 NEW CASTLE - TERTIA BROOK TRIB.....	426
SMR 21.18 - NEW CASTLE - DUCK POND SPILLWAY.....	107

GEOMETRIC MEAN (GM): is the average value or mean which signifies the central tendency of the set of numbers by finding the product of their values.

DATA

*Most Probable Number of Colony Forming Enterobacteria per 100ml sample. EPA recommends public notification and possible temporary beach closure for single Enterobacteria 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	MPN*
Hudson		SMR-HR-20	Yonkers - JFK Marina boat launch	10/21/2021 10:48 AM	189
Hudson		SMR-HR-18.5	Yonkers Paddling and Rowing Club	10/21/2021 11:20 AM	41
Saw Mill	0.19	SMR-0.19	Yonkers - Saw Mill River, daylighted section	10/21/2021 11:40 AM	213
Saw Mill	1.11	SMR-1.11	Yonkers - Walsh Road	n/a	n/a
Saw Mill	2.44	SMR-2.44	Yonkers - Torre Place	n/a	n/a
Saw Mill	4.22	SMR-4.22	Yonkers - Hearst Street	10/21/2021 11:25 AM	63
Saw Mill	4.87	SMR-4.87	Hastings - South County Trail boat access at Farragut Avenue	10/21/2021 11:04 AM	199
Saw Mill	7.9	SMR-7.90	Ardsley- V. E. Macy Park ballfields	10/21/2021 10:10 AM	98
Saw Mill	10.31	SMR-RB-0.13	Greenburgh - Rum Brook tributary	10/21/2021 8:36 AM	158
Saw Mill	10.41	SMR-10.41	Greenburgh - Rum Brook Park ballfields	10/21/2021 8:42 AM	173
Saw Mill	11.72	SMR-MB-0.15	Elmsford- Mine Brook tributary	n/a	n/a
Saw Mill	11.82	SMR-11.82	Elmsford- Above Mine Brook	n/a	n/a
Saw Mill	14.88	SMR-14.88	Mount Pleasant - Saw Mill River Road	10/21/2021 9:38 AM	199
Saw Mill	17.57	SMR-NB-0.07	Mount Pleasant - Nannyhagen Brook tributary	10/21/2021 9:12 AM	14136
Saw Mill	18.84	SMR-18.84	Pleasantville - Pleasant Ave	10/21/2021 9:03 AM	134
Saw Mill	20.66	SMR-TB-0.34	New Castle - Tertia Brook tributary	10/21/2021 8:44 AM	94
Saw Mill	21.18	SMR-21.18	New Castle - Duck Pond spillway	10/21/2021 8:53 AM	20

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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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