



Hudson River Water Quality Report: May 21 – 25, 2010

May 2010 marked the start of Riverkeeper's fifth season of water quality sampling in the Hudson River Estuary. This report provides a snapshot of May's water quality findings.

For more information on this program, and to view historic sampling data, please visit www.riverkeeper.org/water-quality/udson. See below for May 2010 data.

Together with our science partners from Lamont-Doherty Earth Observatory and Queens College, we sampled for Enterococcus (Enterococcus), an indicator of untreated sewage, at our 75 standard sampling locations between May 21 and May 25. This sampling run followed several rain-free days and the generally low Enterococcus cell counts reflect that. All but four of our sampling locations had "acceptable" counts – good news.




Locations with unacceptable sewage levels:

- [Sparkill Creek \(above the tide\)](#): We're not surprised to see poor water quality in Sparkill Creek, this is often the case as you can see in the historical data on our website.
- [Kingston sewage plant outfall on Rondout Creek](#): Rondout Creek is interesting in several ways. We sample at three locations within the Creek. After heavy rain, the sewage outfall is sometimes the cleanest water in the Creek. On other days, like this one in May, the reverse is true. In addition, it's interesting to note that of the eight sewage treatment plant outfalls we sample, Kingston's was the highest (this month).
- [Hudson River at the Dunn Memorial Bridge, Albany](#): The high count of 980 (maximum acceptable count is 61) we found at the Dunn Memorial Bridge may indicate a point source nearby because about 2 miles south, at Island Creek, the count was very low (6), and about 1.5 miles north, at the rowing dock, the count was low again (7). This kind of spatial variability usually disappears after a rain event when sewage discharges are generally greater and river flow is faster.
- [Mohawk River Watershed north of lock](#): Our two northernmost sampling locations are the Hudson River and the Mohawk just above their confluence at Waterford. These samples represent two separate watersheds and the difference in water quality reflects that.

This patrol contrasts dramatically with sampling runs in July and August of 2009, which were rainy months, with high Enterococcus counts. Sampling history at all locations can be viewed at www.riverkeeper.org/water-quality/udson.

May 2010 Sampling Data




For River Mile 0 to River Mile 44, the following standards apply:

 Enterococcus count (under 35/100ml) is acceptable by EPA standards*	 Enterococcus count (between 35 and 104/100ml), if sustained over time, would be unacceptable by EPA standards*	 Enterococcus count (over 104/100ml) is unacceptable by EPA standards*
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River Mile	Site Name	Sample Date	Enterococcus Count	Quality
0.1	The Battery midchannel	May 21, 2010	20	Acceptable
2.5	East River midchannel at 23rd St.	May 21, 2010	10	Acceptable
2.6	Newtown Creek- Dutch Kills	May 21, 2010	0	Acceptable
2.7	Newtown Creek- Metropolitan Ave. Bridge	May 21, 2010	93	Possible Risk
4	East River at Roosevelt Island	May 21, 2010	10	Acceptable
4.7	Castle Point, NJ	May 21, 2010	0	Acceptable
6	Pier 96 Kayak Launch	May 21, 2010	0	Acceptable
7	79th St. mid-channel	May 21, 2010	0	Acceptable
7.9	125th St. Pier	May 21, 2010	0	Acceptable
8	125th St. Wastewater Treatment Plant Outfall	May 21, 2010	10	Acceptable
8.1	Harlem River- Washington Ave. Bridge	May 21, 2010	41	Possible Risk
12	George Washington Bridge midchannel	May 21, 2010	0	Acceptable
12.1	Harlem River- Willis Ave. Bridge	May 21, 2010	10	Acceptable
14	Dyckman Street Beach	May 21, 2010	0	Acceptable
17.5	Yonkers Wastewater Treatment Plant Outfall	May 22, 2010	41	Possible Risk
18.4	Saw Mill River	May 22, 2010	41	Possible Risk
18.5	Yonkers midchannel	May 22, 2010	0	Acceptable
25.9	Irvington Beach	May 22, 2010	20	Acceptable
26	Piermont Sewage Treatment Plant Outfall	May 22, 2010	0	Acceptable
26.1	Piermont Pier	May 22, 2010	10	Acceptable
26.5	Upper Sparkill Creek	May 24, 2010	488	Unacceptable
27.5	Tappan Zee Bridge midchannel	May 22, 2010	30	Acceptable
28	Kingsland Point Park and Pocantico River	May 22, 2010	10	Acceptable
28.1	Nyack Launch Ramp	May 10, 2010	75	Possible Risk
28.1	Nyack Launch Ramp	May 22, 2010	0	Acceptable
34	Ossining Beach	May 22, 2010	10	Acceptable
35	Croton Point Beach	May 22, 2010	0	Acceptable

35.5	Haverstraw Bay midchannel	May 22, 2010	0	Acceptable
38	Furnace Brook	May 22, 2010	0	Acceptable
39	Emeline Beach	May 22, 2010	10	Acceptable
40	Cedar Pond Brook	May 22, 2010	0	Acceptable
40.5	Stony Point mid-channel	May 22, 2010	0	Acceptable
43	Peekskill Riverfront Green Park	May 22, 2010	0	Acceptable

For River Mile 45 north, the following standards apply:

 Enterococcus count (under 33/100ml) is acceptable by EPA standards*	 Enterococcus count (between 33 and 61/100ml), if sustained over time, would be unacceptable by EPA standards*	 Enterococcus count (over 61/100ml) is unacceptable by EPA standards*
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44	Annesville Creek	May 22, 2010	0	Acceptable
46	Fort Montgomery	May 23, 2010	36	Possible Risk
52.5	West Point Sewage Treatment Plant Outfall	May 23, 2010	0	Acceptable
53.5	Cold Spring Harbor	May 23, 2010	12	Acceptable
54	Little Stony Point	May 23, 2010	4	Acceptable
60	Newburgh Launch Ramp	May 23, 2010	41	Possible Risk
61	Beacon Harbor	May 23, 2010	7	Acceptable
66.5	Wappingers Creek	May 24, 2010	1	Acceptable
68	Marlboro Landing	May 24, 2010	5	Acceptable
75	Poughkeepsie Launch Ramp	May 24, 2010	4	Acceptable
77	Poughkeepsie Drinking Water Intake	May 24, 2010	0	Acceptable
84.5	Norrie Point mid-channel	May 24, 2010	1	Acceptable
85	Norrie Point Yacht Basin	May 24, 2010	9	Acceptable
88	Port Ewen Drinking Water Intake	May 24, 2010	0	Acceptable
92	Kingston Point Beach	May 24, 2010	1	Acceptable
92.1	Kingston Sewage Treatment Plant Outfall	May 24, 2010	99	Unacceptable
92.2	Kingston Public Dock	May 24, 2010	20	Acceptable
92.3	Eddyville Anchorage	May 24, 2010	1	Acceptable
97	Ulster Landing Beach	May 24, 2010	0	Acceptable
99	Tivoli Landing	May 24, 2010	3	Acceptable
102	Esopus Creek Entrance	May 24, 2010	5	Acceptable
102.1	Esopus Creek West	May 24, 2010	23	Acceptable
103	Malden Launch Ramp	May 24, 2010	21	Acceptable
108.5	Inbocht Bay	May 24, 2010	17	Acceptable
113	Catskill Launch Ramp	May 25, 2010	2	Acceptable
113.1	Catskill Creek – East End	May 25, 2010	4	Acceptable
113.2	Catskill Creek – First Bridge	May 25, 2010	4	Acceptable
116.5	Hudson Launch Ramp	May 25, 2010	4	Acceptable
117	Athens Sewage Treatment Plant Outfall	May 25, 2010	8	Acceptable

122.5	Gay's Point midchannel	May 25, 2010	4	Acceptable
124	Coxsackie Waterfront Park	May 25, 2010	19	Acceptable
133	Coeymans Landing	May 25, 2010	1	Acceptable
137	Castleton-Vlockie Kill	May 25, 2010	1	Acceptable
138	Bethlehem Launch Ramp	May 25, 2010	13	Acceptable
142	Island Creek/Normans Kill	May 25, 2010	6	Acceptable
144.5	Dunn Memorial Bridge	May 25, 2010	980	Unacceptable
146	Albany Rowing Dock	May 25, 2010	7	Acceptable
151.5	Congress Street Bridge	May 25, 2010	28	Acceptable
152.5	Hudson River above Troy Lock	May 25, 2010	30	Acceptable
155	Mohawk River	May 25, 2010	117	Unacceptable
155.1	Hudson above confluence with Mohawk River	May 25, 2010	0	Acceptable

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