



September 30, 2015

VIA ELECTRONIC MAIL

Mr. Jeff Myers
NYSDEC Division of Water
Bureau of Watershed Assessment and Management
625 Broadway, 4th Floor
Albany, NY 12233-3502

Dear Mr. Myers:

Riverkeeper appreciates this opportunity to submit water quality data for NYSDEC's biennial statewide waterbody assessment and comments on the 2014 Draft Consolidated Listing and Assessment Methodology.

WATER QUALITY DATA

Since 2010, Riverkeeper and community partners have tested select Hudson River tributaries for the presence of the fecal-indicating bacteria *Enterococcus*. The watersheds tested are the Catskill, Esopus, Pocantico, Rondout, Sawyer Kill, Sparkill and Wallkill (Table 1). Since 2012, we have monitored fixed locations in these watersheds once per month from May to October (Table 2). This submission includes data from 106 sampling locations distributed throughout 32 waterbody segments in the Hudson River watershed.

The data submitted here are from samples collected by individuals trained by Riverkeeper staff and processed in the Riverkeeper laboratory. The study design, procedures and protocols are described in our Quality Assurance Project Plan (attached), approved by NYSDEC and NEIWPC. This QAPP was approved in 2014, but it describes practices used for the duration of this monitoring project.

The community partners we work with to gather these samples are diverse and increasing in number. The partners involved in results presented here include the Ashokan Center, Catskill Creek Watershed Awareness Project, Gardiner Environmental Conservation Commission, Montgomery Conservation Advisory Council, Rochester Environmental Conservation Commission, Rosendale Commission for Conservation of the Environment, Sparkill Creek Watershed Alliance, Wallkill River Watershed Alliance, and Wawarsing Environmental

Conservation Commission. Riverkeeper has presented our study results and conclusions at dozens of community meetings hosted by various local governments and groups throughout the region. This work has been featured in numerous articles in local and regional media.

EPA recommends *Enterococcus* as a fecal contamination indicator in fresh and saline waters. Potential sources of fecal contamination include, but are not limited to, untreated or improperly sewage and septage. In its 2012 Section 305(b) Water Quality Report, NYSDEC identified aging wastewater infrastructure and inadequate septic systems as major causes of stream and river impairment in the Hudson River watershed.¹ Bathers that come into contact with water contaminated by human or animal waste are at increased risk of illnesses caused by pathogens that may be present in those wastes. The majority of beach closings and advisories in the United States are due to sewage contamination.²

Our sampling locations were selected with preference to bathing and recreational access points, including official and unofficial beaches, swimming holes, water play areas, fishing access locations and boat launches. Despite the dearth of officially recognized beaches, people swim at scores of locations in Hudson River tributaries (see attached photos). In addition to primary contact recreation such as swimming and child water play, people enter the water for fishing, paddling and other activities. Most of our samples are taken in Class B waters, where primary contact recreation is a designated use, or Class C waters, where water quality should support primary contact recreation. Some samples are in Class A waters.

Riverkeeper's dataset is the most comprehensive publicly available source of information about recreational water quality in the Hudson Valley region. In the Hudson River Estuary watershed, municipalities conduct recreational water quality testing only at official beaches. Our tributary sampling program includes two official beaches, both on the Esopus Creek: Saugerties Village Beach and Marbletown Recreation Park Beach. The Ulster County Department of Health tests for fecal-indicating bacteria at these beaches three times per swimming season (June through August).

Our data show widespread impairment of public bathing and recreational uses, with the majority of waterbody segments sampled failing multiple assessment criteria for these uses.

¹ "2012" Section 305(b) Water Quality Report." New York State Department of Environmental Conservation, 2012, <http://www.dec.ny.gov/chemical/66532.html>

² Dorfman, M., and K.S. Rosselot. Testing the Waters: A Guide to Water Quality at Vacation Beaches, Natural Resources Defense Council, New York, NY, 2010.

NYSDEC Public Bathing Use Assessment Criteria

According to NYSDEC's Public Bathing Use Assessment Criteria,³ a waterbody is impaired if "monitoring data show exceedance of one or more parameter-specific use evaluation criteria." For *Enterococcus*, the freshwater criterion is a geometric mean of 33 per 100 mL.⁴ Of our 106 sampling locations, 95 fail this criterion (Table 3). When geomeans are calculated by waterbody segment, 30 of the 32 waterbody segments we tested fail this criterion (Table 4).

EPA Recreational Water Quality Criteria

EPA's Recreational Water Quality guidelines⁵ provide two metrics for using *Enterococcus* data to assess whether a waterbody supports public bathing use: the geometric mean (30 per 100 mL) and the Statistical Threshold Value (110 per 100 mL, not to be exceeded in more than 10% of samples). While our sampling is monthly, not weekly as recommended by EPA, our data should provide the same probability distribution. Ninety-eight of 106 sites sampled (92%) failed the EPA's geometric mean criterion (Table 3). All but two sampling locations failed the EPA's STV criterion, with one location (Piermont- Pirelli Park) at the threshold value (Table 3). At two thirds of the sampling sites, 50% or more of samples exceeded the STV. Thirty of the 32 segments we sampled failed the EPA's geomean criterion, and all segments failed the STV criterion (Table 4).

Although the majority of sites and waterbody segments fail both NYS and EPA criteria, there is large variation in the degree of failure from site to site, segment to segment, and waterbody to waterbody (Table 5), suggesting that while the impacts of fecal contamination are widespread, some waterbodies are more impacted than others.

We post our sampling results on the Riverkeeper website soon after sampling.⁶ These web pages were accessed more than 50,000 times during the 2014 and 2015 (through September 22, 2015) recreational seasons, highlighting the widespread demand for swimmable water throughout the Hudson Valley. Our water quality study conclusions and recommendations are detailed in our report titled "How's the Water? 2015: Fecal Contamination in the Hudson River and its Tributaries."⁷

³ "The New York State Consolidated Assessment and Listing Methodology: Section 305(b) Assessment Methodology," March 2015, <http://www.dec.ny.gov/chemical/31290.html>

⁴ *Ibid.*

⁵ EPA Recreational Water Quality Criteria, Office of Water Document #820-F-12-058, <http://water.epa.gov/scitech/swguidance/standards/criteria/health/recreation/upload/RWQC2012.pdf>

⁶ <http://www.riverkeeper.org/water-quality/citizen-data/>

⁷ http://www.riverkeeper.org/wp-content/uploads/2015/06/Riverkeeper_WQReport_2015_Final.pdf

We plan to continue monitoring at all locations except the Sawyer Kill in 2016. We also work with partners in the Saw Mill River, Sparta Brook, and Quassaick Creek watersheds, as well as in New York City and Ossining. We plan to continue these activities in 2016.

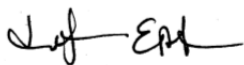
The Lower Hudson River watershed is slated for sampling in NYSDEC's Rotating Integrated Basin Study in 2017-2019. Based on the data submitted here, and the public interest that it represents, we respectfully request that the Catskill, Esopus, Pocantico, Rondout, Sparkill and Wallkill watersheds be targeted during RIBS sampling in 2017, and that pathogens be assessed in these waters. NYSDEC's Water Quality Monitoring Strategy includes a public information-gathering meeting in each hydrological basin prior to the first year of sampling. Riverkeeper looks forward to attending this meeting with our partners and providing input on the sampling plan.

COMMENTS ON NYSDEC PROPOSED CALM

As expressed in our comments submitted March 14, 2014, Riverkeeper is concerned about limitations on acceptance of third-party data proposed in the revised CALM. NYSDEC's response to comments asserts that "setting appropriate benchmarks regarding the use of [third-party] data is critical to developing consistent assessments."⁸ As stated in our March 2014 comments, and as expressed by other commenters, we reiterate that DEC must set clear and attainable guidelines for citizen scientists. We encourage DEC to work with Riverkeeper and our partners, and with EPA Region 2, on developing standards for acceptance and evaluation of third-party data.

I can be reached at jepstein@riverkeeper.org or at (914) 478-4501 x248 to answer any questions regarding this submission. We sincerely appreciate your assistance with this matter.

Sincerely,



Jennifer Epstein
Water Quality Program Associate
Riverkeeper

⁸ Response to Comments: The 2014 NYS Section 303(d) List of Impaired Waters Requiring a TMDL, September 2014, http://www.dec.ny.gov/docs/water_pdf/303drespsumm2014.pdf

Table 1: Waterbody Location Information (Numbers correspond to PI/PWL Worksheet)

Segment ID	1. Waterbody Name	2. Waterbody Type	8. Describe Waterbody Segment	9. Waterbody Classification	10. County	11. NYSDEC Region
1301-0088	Sparkill Creek, Lower	River	Mouth to NY-NJ state line	C	Rockland	3
1301-0094	Hudson River (Class SB), portion	Estuary	Riverdale (Westchester/ Bronx County line) to Bear Mountain Bridge	SB	Rockland Westchester	3
1301-0106	Sparkill Creek, Upper, and minor tribs	River	Above NY-NJ state line	C	Rockland	3
1301-0108	Minor Tribs to Upper Sparkill Creek	River	Total length of select tribs to Upper Sparkill Creek	B/C	Rockland	3
1301-0109	Pocantico River, Lower, and tribs	Estuary	N. Tarrytown to Pocantico Lake	C	Westchester	3
1301-0110	Pocantico River, Middle, and tribs	River	Pocantico Lake to Echo Lake	B	Westchester	3
1301-0220	Minor tribs to West of Hudson	River	Total length of select tribs, Saugerties to ??	C	Ulster	3
1306-0017	Walkkill River, Upper, and minor tribs	River	Above Middletown	C	Orange	3
1306-0027	Walkkill River, Lower, Main Stem	River	Sturgeon Pond to Tuthill	B	Ulster	3
1306-0031	Rondout River, Lower, Main Stem	River	Dam at Eddyville to Walkkill River	B	Ulster	3
1306-0038	Walkkill River, Middle, Main Stem	River	Tuthill to Middletown	B	Orange Ulster	3
1306-0040	Minor Tribs to Lower Walkkill River	River	Total length of select tribs, from Sturgeon Pool to Tuthill	C	Ulster	3
1306-0045	Shawangunk Kill, Lower, and minor tribs	River	Mouth to Pinebush	B	Ulster	3
1306-0061	Minor Tribs to Middle Walkkill	River	Total length of select tribs, from Tuthill to Middletown	C	Orange	3
1306-0088	Rondout Creek, Middle, Main Stem	River	Walkkill River to Wawarsing	B	Ulster	3
1306-0089	Rondout Creek, Middle, and minor tribs	River	Wawarsing to Honk Lake	C	Ulster	3
1306-	Rondout Creek,	River	Honk Lake to	C	Ulster	3

Segment ID	1. Waterbody Name	2. Waterbody Type	8. Describe Waterbody Segment	9. Waterbody Classification	10. County	11. NYSDEC Region
0091	Middle, and tribs		Rondout Reservoir			
1306-0107	Rochester Creek and minor tribs	River	Entire stream and select tribs	A	Ulster	3
1306-0113	Sandburg Creek, Lower, and tribs	River	Mouth to Spring Glen	B	Ulster	3
1306-0116	Beer Kill and minor tribs	River	Entire stream and select tribs	B	Ulster	3
1307-0003	Esopus Creek, Middle, and minor tribs	River	Kingston to Ashokan Reservoir	B	Ulster	3
1307-0010	Esopus Creek, Lower, Main Stem	Estuary	Mouth to Kingston	B	Ulster	3
1307-0013	Plattekill Creek, Lower, and minor tribs	River	Mouth to Blue Mountain	B	Ulster	3
1307-0017	Saw Kill, Lower, and tribs	River	Mouth to Zena	B	Ulster	3
1309-0004	Catskill Creek, Middle, and minor tribs	River	Cauterskill to Freehold	B	Greene	4
1309-0006	Kaaterskill Creek, Lower, and tribs	River	Mouth to Asbury	B	Greene	4
1309-0010	Catskill Creek, Lower, Main Stem	Estuary	Mouth to Cauterskill	C	Greene	4
1309-0011	Catskill Creek, Upper, and minor tribs	River	Above Freehold	C	Greene Albany Schoharie	4
1309-0027	Basic Creek, Lower, and tribs	River	Stream and tribs, from mouth to reservoir	C	Greene	4
1309-0029	Thorp Creek and tribs	River	Entire stream and tribs	C	Greene	4
1309-0030	Ten Mile Creek and tribs	River	Entire stream and tribs	C	Greene	4

Table 2: List of Monitoring Stations by Waterbody Segment

Segment ID	Sampling Location	County	Latitude	Longitude
1301-0088	Piermont- Skating Pond	Rockland	41.029292	-73.925459
	Sparkill- Route 340	Rockland	41.025410	-73.927440
	Tappan- Moturis	Rockland	41.017918	-73.934915
	Tappan- State Line	Rockland	41.015142	-73.942295
1301-0094	Piermont- Pirelli Park	Rockland	41.043417	-73.913700
	Piermont- Old Draw Bridge	Rockland	41.037720	-73.915585
1301-0106	Tappan- Oak Tree Road	Rockland	41.020593	-73.946839
	Tappan- Route 303	Rockland	41.030024	-73.943887
	Orangeburg- Orangetown STP	Rockland	41.037839	-73.937329
	Orangeburg- Route 303/340	Rockland	41.045058	-73.944951
	Blauvelt- Clausland Arm	Rockland	41.054588	-73.944913
	Blauvelt- Spruce Street	Rockland	41.058629	-73.945322
	Blauvelt- Marsico Court	Rockland	41.066457	-73.940593
1301-0108	Blauvelt- Blauvelt Arm tributary	Rockland	41.054489	-73.945322
	Blauvelt- Tackamack trib at Greenbush Rd Bridge	Rockland	41.058766	-73.943657
	Orangeburg- Tackamack tributary	Rockland	41.061175	-73.938923
1301-0109	Sleepy Hollow- Below Philipsburg Manor	Westchester	41.088163	-73.864206
	Sleepy Hollow Cemetery	Westchester	41.090418	-73.860620
	Sleepy Hollow- Rockefeller Park	Westchester	41.102461	-73.854664
	Sleepy Hollow- Gory Brook tributary	Westchester	41.104337	-73.853746
	Sleepy Hollow- Rockefeller Brook tributary	Westchester	41.099465	-73.846899
	Sleepy Hollow- DEP Spillway	Westchester	41.102658	-73.844596
	Briarcliff Manor- Below Pocantico Lake	Westchester	41.111004	-73.842689
1301-0110	Briarcliff Manor- Unnamed tributary at pump house	Westchester	41.133230	-73.836779
	Briarcliff Manor- Above Pocantico Lake	Westchester	41.127108	-73.821193
	Briarcliff Manor- Long Hill Road	Westchester	41.132504	-73.818576
	Briarcliff Manor- North County Trail	Westchester	41.147989	-73.825023
	Briarcliff Manor- Stone Creek Lane	Westchester	41.172049	-73.813696
	New Castle- Echo Lake	Westchester	41.178675	-73.811209
1301-0220	Saugerties- Below sewage outfall at Malden Rest Stop	Ulster	42.115079	-73.954916
	Saugerties- Great Vly wetland boat & fishing	Ulster	42.138628	-73.944189
	Saugerties- Lauren Tice Road above rest	Ulster	42.121092	-73.954450

Segment ID	Sampling Location	County	Latitude	Longitude
	stop			
	Saugerties- Malden Turnpike Fire Dept intake	Ulster	42.107693	-73.949703
	Saugerties- Mike Krout Road	Ulster	42.097298	-73.945116
	Saugerties- Seamon Park	Ulster	42.084407	-73.943441
	Saugerties- West Camp Road	Ulster	42.138152	-73.947344
1306-0017	Unionville- Nat'l Wildlife Refuge boat & fishing	Orange	41.287959	-74.534687
	Wawayanda- Pellets Island Bridge	Orange	41.380761	-74.413570
	Goshen- Route 6/17M	Orange	41.402306	-74.389020
	Goshen- Echo Lake Road	Orange	41.412233	-74.377633
1306-0027	Gardiner- USGS Streamgage	Ulster	41.686489	-74.165277
	New Paltz- Plains Road boat launch	Ulster	41.743696	-74.093597
	New Paltz- Springtown Road boat launch	Ulster	41.752775	-74.094357
	Tillson- Rt 32 Bridge fishing access	Ulster	41.814862	-74.057965
	Rifton- Cow Hough Road fishing access	Ulster	41.821704	-74.046457
1306-0031	Eddyville- Creek Locks fishing access	Ulster	41.885055	-74.029968
1306-0038	Middletown- Cemetery Road	Orange	41.438734	-74.365807
	Middletown- Stony Ford Road	Orange	41.457044	-74.300413
	Montgomery- I-84 Crossing	Orange	41.498205	-74.252680
	Montgomery- Benedict Farm Park floating dock	Orange	41.526412	-74.254817
	Montgomery- Riverfront Park fishing access	Orange	41.542235	-74.209059
	Shawangunk- Orange/Ulster Line fishing access	Ulster	41.595594	-74.184161
	Shawangunk- Galeville Bridge	Ulster	41.635177	-74.188052
1306-0040	New Paltz- Saw Mill Brook tributary	Ulster	41.743257	-74.092506
	New Paltz- Mill Brook tributary at Route 32	Ulster	41.755150	-74.082833
1306-0045	Gardiner- Shawangunk Kill tributary	Ulster	41.687355	-74.172679
1306-0061	Goshen- Rio Grande tributary at Heritage Trail	Orange	41.401059	-74.359392
1306-0088	Wawarsing- Foordemoore Road Bridge	Ulster	41.762914	-74.333579
	Kerhonkson- Route 44/55 Bridge	Ulster	41.769927	-74.311366
	Kerhonkson- 42nd Street Bridge	Ulster	41.772732	-74.297487
	Accord- Route 209 & River Street	Ulster	41.791333	-74.228422
	Accord- Fire Dept intake	Ulster	41.786329	-74.232227
	Alligerville- Route 6 Bridge swimming hole	Ulster	41.796539	-74.177009
	High Falls swimming hole	Ulster	41.828621	-74.128506

Segment ID	Sampling Location	County	Latitude	Longitude
	Rosendale- AJ Snyder Field swimming hole	Ulster	41.836866	-74.099820
	Rosendale Trestle swimming hole	Ulster	41.843153	-74.087637
	Tillson- NY Thruway Crossing	Ulster	41.852718	-74.059377
1306-0089	Napanoch- Route 209	Ulster	41.737832	-74.376616
	Napanoch- State Prison	Ulster	41.742879	-74.366427
	Wawarsing- Port Ben Road	Ulster	41.750807	-74.350176
1306-0091	Wawarsing- Below Rondout Res fishing access	Ulster	41.790704	-74.413962
1306-0107	Accord- Rochester Creek tributary	Ulster	41.791740	-74.228535
1306-0113	Ellenville- Sandburg Creek tributary	Ulster	41.718428	-74.383785
1306-0116	Ellenville- Beer Kill tributary	Ulster	41.720071	-74.386463
1307-0003	Kingston- Washington Avenue Bridge	Ulster	41.939358	-74.024324
	Hurley- Wyncoop Rd Bridge Fire Dept intake	Ulster	41.927713	-74.068043
	Hurley- Route 209 fishing access	Ulster	41.896450	-74.098770
	Marbletown- Tongore Park swimming beach	Ulster	41.874325	-74.140857
1307-0010	Saugerties Village Beach	Ulster	42.070910	-73.952140
	Mt Marion- USGS Streamgage	Ulster	42.038929	-73.971461
	Lake Katrine- Leggs Mill Bridge	Ulster	41.995310	-73.997330
	Lincoln Park- Orlando Park	Ulster	41.961295	-74.011191
1307-0013	Lake Katrine- Plattekill Creek tributary	Ulster	42.019465	-73.996910
1307-0017	Lake Katrine- Sawkill Creek tributary	Ulster	41.980502	-74.010980
1309-0004	Cairo- Above WWTP outfall	Greene	42.313733	-73.995987
	Cairo- Below WWTP outfall	Greene	42.314691	-73.995220
	Cauterskill- Rt 23 Bridge swimming hole	Greene	42.247972	-73.896722
	Leeds- Fire Department intake	Greene	42.255630	-73.904700
	Leeds- Slippery Rock	Greene	42.256944	-73.904111
	South Cairo Bridge	Greene	42.278122	-73.957263
1309-0006	Cauterskill- Kaaterskill Creek tributary	Greene	42.217798	-73.914686
1309-0010	Jefferson Heights- West Main Street	Greene	42.222778	-73.885278
1309-0011	Durham- Dean's Mill swimming hole & fishing	Greene	42.402010	-74.133439
	East Durham- Route 67/67A swimming hole	Greene	42.373428	-74.079190
	Livingstonville- CCC Camp Road fishing access	Schoharie	42.471781	-74.247049
	Livingstonville- Route 145	Schoharie	42.481043	-74.257769
	Livingstonville- Stone Store Road	Schoharie	42.487333	-74.286614
	Middleburgh- The Vlaie fishing & boating	Schoharie	42.521000	-74.306048

Segment ID	Sampling Location	County	Latitude	Longitude
	access			
	Oak Hill- Above Oak Hill	Greene	42.410773	-74.154125
	Oak Hill- Brandow Memorial Park boating access	Greene	42.404881	-74.151308
	Potter Hollow- Route 145/81 fishing access	Albany	42.414874	-74.201222
	Preston Hollow- Cheese Hill Road fishing access	Albany	42.447398	-74.211323
1309-0027	Freehold- Basic Creek tributary	Greene	42.357848	-74.051643
1309-0029	East Durham- Thorp Creek tributary	Greene	42.382568	-74.117320
1309-0030	Durham- Ten Mile Creek tributary	Greene	42.406929	-74.135219
None listed	Tillson- Coutant Rd below Sturgeon Pool	Ulster	41.848648	-74.048150

Table 3: Riverkeeper Community Monitoring Data and NYS DEC and EPA Regulatory Criteria- by Sampling Site

Segment ID	Sampling Location	# Samples	Geometric Mean	% Samples Exceeding EPA STV criterion (110 cells/ 100 mL)
1301-0088	Piermont- Skating Pond	21	1237	100%
	Sparkill- Route 340	20	1227	100%
	Tappan- Moturis	20	1833	100%
	Tappan- State Line	20	897	95%
1301-0094	Piermont- Pirelli Park	10	29	10%
	Piermont- Old Draw Bridge	20	763	95%
1301-0106	Tappan- Oak Tree Road	20	898	85%
	Tappan- Route 303	21	823	95%
	Orangeburg- Orangetown STP	20	805	95%
	Orangeburg- Route 303/340	20	867	90%
	Blauvelt- Clausland Arm	21	562	76%
	Blauvelt- Spruce Street	21	912	90%
	Blauvelt- Marsico Court	21	479	76%
1301-0108	Blauvelt- Blauvelt Arm tributary	21	445	81%
	Blauvelt- Tackamack trib at Greenbush Rd Bridge	21	156	48%
	Orangeburg- Tackamack tributary	21	250	57%
1301-0109	Sleepy Hollow- Below Philipsburg Manor	20	444	75%
	Sleepy Hollow Cemetery	21	458	81%
	Sleepy Hollow- Rockefeller Park	21	343	81%
	Sleepy Hollow- Gory Brook tributary	19	403	74%
	Sleepy Hollow- Rockefeller Brook tributary	5	952	100%
	Sleepy Hollow- DEP Spillway	19	385	79%
	Briarcliff Manor- Below Pocantico Lake	21	303	76%
1301-0110	Briarcliff Manor- Unnamed tributary at pump house	20	437	65%
	Briarcliff Manor- Above Pocantico Lake	21	409	71%
	Briarcliff Manor- Long Hill Road	21	330	71%
	Briarcliff Manor- North County Trail	20	295	75%
	Briarcliff Manor- Stone Creek Lane	20	446	80%
	New Castle- Echo Lake	19	198	53%
1301-0220	Saugerties- Below sewage outfall at Malden Rest Stop	4	582	75%

Segment ID	Sampling Location	# Samples	Geometric Mean	% Samples Exceeding EPA STV criterion (110 cells/100 mL)
	Saugerties- Great Vly wetland boat & fishing	5	83	40%
	Saugerties- Lauren Tice Road above rest stop	10	355	80%
	Saugerties- Malden Turnpike Fire Dept intake	11	308	73%
	Saugerties- Mike Krout Road	6	275	50%
	Saugerties- Seamon Park	12	125	50%
	Saugerties- West Camp Road	6	277	83%
1306-0017	Unionville- Nat'l Wildlife Refuge boat & fishing	17	260	65%
	Wawayanda- Pellets Island Bridge	18	635	94%
	Goshen- Route 6/17M	18	712	89%
	Goshen- Echo Lake Road	18	533	94%
1306-0027	Gardiner- USGS Streamgage	19	383	79%
	New Paltz- Plains Road boat launch	18	297	72%
	New Paltz- Springtown Road boat launch	18	397	83%
	Tillson- Rt 32 Bridge fishing access	18	256	67%
	Rifton- Cow Hough Road fishing access	18	180	56%
1306-0031	Eddyville- Creek Locks fishing access	18	149	50%
1306-0038	Middletown- Cemetery Road	18	738	100%
	Middletown- Stony Ford Road	18	505	89%
	Montgomery- I-84 Crossing	18	712	83%
	Montgomery- Benedict Farm Park floating dock	18	504	89%
	Montgomery- Riverfront Park fishing access	18	571	89%
	Shawangunk- Orange/Ulster Line fishing access	18	221	67%
	Shawangunk- Galeville Bridge	18	506	89%
1306-0040	New Paltz- Saw Mill Brook tributary	18	598	94%
	New Paltz- Mill Brook tributary at Route 32	17	560	82%
1306-0045	Gardiner- Shawangunk Kill tributary	18	368	78%
1306-0061	Goshen- Rio Grande tributary at Heritage Trail	18	1369	100%
1306-0088	Wawarsing- Foordemoore Road Bridge	18	211	61%
	Kerhonkson- Route 44/55 Bridge	18	204	56%
	Kerhonkson- 42nd Street Bridge	18	172	61%

Segment ID	Sampling Location	# Samples	Geometric Mean	% Samples Exceeding EPA STV criterion (110 cells/100 mL)
	Accord- Route 209 & River Street	18	117	56%
	Accord- Fire Dept intake	6	181	83%
	Alligerville- Route 6 Bridge swimming hole	18	119	50%
	High Falls swimming hole	18	124	39%
	Rosendale- AJ Snyder Field swimming hole	18	270	72%
	Rosendale Trestle swimming hole	18	246	72%
	Tillson- NY Thruway Crossing	18	151	44%
1306-0089	Napanoch- Route 209	17	236	65%
	Napanoch- State Prison	18	195	50%
	Wawarsing- Port Ben Road	18	212	67%
1306-0091	Wawarsing- Below Rondout Res fishing access	18	35	17%
1306-0107	Accord- Rochester Creek tributary	18	149	61%
1306-0113	Ellenville- Sandburg Creek tributary	6	163	50%
1306-0116	Ellenville- Beer Kill tributary	18	148	56%
1307-0003	Kingston- Washington Avenue Bridge	25	32	16%
	Hurley- Wyncoop Rd Bridge Fire Dept intake	19	32	26%
	Hurley- Route 209 fishing access	5	26	0%
	Marbletown- Tongore Park swimming beach	19	24	11%
1307-0010	Saugerties Village Beach	29	26	21%
	Mt Marion- USGS Streamgage	29	38	28%
	Lake Katrine- Leggs Mill Bridge	24	40	29%
	Lincoln Park- Orlando Park	25	54	28%
1307-0013	Lake Katrine- Plattekill Creek tributary	6	51	33%
1307-0017	Lake Katrine- Sawkill Creek tributary	6	78	33%
1309-0004	Cairo- Above WWTP outfall	6	29	17%
	Cairo- Below WWTP outfall	6	25	17%
	Cauterskill- Rt 23 Bridge swimming hole	19	31	16%
	Leeds- Fire Department intake	18	57	22%
	Leeds- Slippery Rock	16	76	44%
	South Cairo Bridge	17	72	35%
1309-0006	Cauterskill- Kaaterskill Creek tributary	6	60	17%
1309-0010	Jefferson Heights- West Main Street	21	27	14%

Segment ID	Sampling Location	# Samples	Geometric Mean	% Samples Exceeding EPA STV criterion (110 cells/100 mL)
1309-0011	Durham- Dean's Mill swimming hole & fishing	6	52	17%
	East Durham- Route 67/67A swimming hole	6	88	33%
	Livingstonville- CCC Camp Road fishing access	6	68	33%
	Livingstonville- Route 145	6	88	33%
	Livingstonville- Stone Store Road	6	151	33%
	Middleburgh- The Vlaie fishing & boating access	6	41	17%
	Oak Hill- Above Oak Hill	6	52	17%
	Oak Hill- Brandow Memorial Park boating access	6	48	17%
	Potter Hollow- Route 145/81 fishing access	6	28	17%
	Preston Hollow- Cheese Hill Road fishing access	6	44	17%
1309-0027	Freehold- Basic Creek tributary	6	94	17%
1309-0029	East Durham- Thorp Creek tributary	4	87	50%
1309-0030	Durham- Ten Mile Creek tributary	6	34	17%
None listed	Tillson- Coutant Rd below Sturgeon Pool	18	88	33%

Table 4: Riverkeeper Community Monitoring Data and NYS DEC and EPA Regulatory Criteria- by Waterbody Segment

Segment ID	Waterbody Name	# Sites	# Samples	Geometric Mean	% Samples Exceeding EPA STV criterion (110 cells/100 mL)
1301-0088	Sparkill Creek, Lower	4	81	1257	99%
1301-0094	Hudson River (Class SB), portion	2	30	276	67%
1301-0106	Sparkill Creek, Upper, and minor tribs	7	144	742	87%
1301-0108	Minor Tribs to Upper Sparkill Creek	3	63	259	62%
1301-0109	Pocantico River, Lower, and tribs	7	126	399	79%
1301-0110	Pocantico River, Middle, and tribs	6	121	342	69%
1301-0220	Minor tribs to West of Hudson	7	54	235	65%
1306-0017	Wallkill River, Upper, and minor tribs	4	71	505	86%
1306-0027	Wallkill River, Lower, Main Stem	5	91	292	71%
1306-0031	Rondout River, Lower, Main Stem	1	18	149	50%
1306-0038	Wallkill River, Middle, Main Stem	7	126	506	87%
1306-0040	Minor Tribs to Lower Wallkill River	2	35	579	89%
1306-0045	Shawangunk Kill, Lower, and minor tribs	1	18	368	78%
1306-0061	Minor Tribs to Middle Wallkill	1	18	1369	100%
1306-0088	Rondout Creek, Middle, Main Stem	10	168	172	58%
1306-0089	Rondout Creek, Middle, and minor tribs	3	53	213	60%
1306-0091	Rondout Creek, Middle, and tribs	1	18	35	17%
1306-0107	Rochester Creek and minor tribs	1	18	149	61%
1306-0113	Sandburg Creek, Lower, and tribs	1	6	163	50%
1306-0116	Beer Kill and minor tribs	1	18	148	56%
1307-0003	Esopus Creek, Middle, and minor tribs	4	68	29	16%
1307-0010	Esopus Creek, Lower, Main Stem	4	107	38	26%
1307-	Plattekill Creek, Lower, and minor	1	6	51	33%

Segment ID	Waterbody Name	# Sites	# Samples	Geometric Mean	% Samples Exceeding EPA STV criterion (110 cells/100 mL)
0013	tribs				
1307-0017	Saw Kill, Lower, and tribs	1	6	78	33%
1309-0004	Catskill Creek, Middle, and minor tribs	6	82	49	27%
1309-0006	Kaaterskill Creek, Lower, and tribs	1	6	60	17%
1309-0010	Catskill Creek, Lower, Main Stem	1	26	25	15%
1309-0011	Catskill Creek, Upper, and minor tribs	10	60	59	23%
1309-0027	Basic Creek, Lower, and tribs	1	6	94	17%
1309-0029	Thorp Creek and tribs	1	4	87	50%
1309-0030	Ten Mile Creek and tribs	1	6	34	17%

Table 5: Riverkeeper Community Monitoring Data- Raw Data

Sampling Location	Sample Date	Enterococci Count
1301-0088		
Piermont- Skating Pond	05/28/11	517
	09/03/11	517
	11/06/11	387
	05/12/12	770
	06/02/12	>2420
	07/14/12	>2420
	08/04/12	>2420
	09/08/12	>2420
	10/06/12	>2420
	05/04/13	173
	06/15/13	1986
	07/13/13	>2420
	08/10/13	>2420
	09/14/13	>2420
	10/12/13	727
	05/03/14	291
	06/07/14	1986
	07/05/14	>2420
	08/02/14	>2420
	09/06/14	1046
10/04/14	1046	
Sparkill- Route 340	05/28/11	816
	11/06/11	613
	05/12/12	727
	06/02/12	>2420
	07/14/12	>2420
	08/04/12	687
	09/08/12	>2420
	10/06/12	>2420
	05/04/13	299
	06/15/13	2420
	07/13/13	>2420
	08/10/13	>2420
	09/14/13	>2420

Sampling Location	Sample Date	Enterococci Count
	10/12/13	816
	05/03/14	219
	06/07/14	1300
	07/05/14	>2420
	08/02/14	>2420
	09/06/14	727
	10/04/14	687
Tappan- Moturis	05/28/11	816
	11/06/11	1414
	05/12/12	867
	06/02/12	>24196
	07/14/12	>2420
	08/04/12	2420
	09/08/12	>2420
	10/06/12	>2420
	05/04/13	921
	06/15/13	2420
	07/13/13	>2420
	08/10/13	>2420
	09/14/13	>2420
	10/12/13	866
	05/03/14	238
	06/07/14	2420
	07/05/14	>2420
08/02/14	>2420	
09/06/14	980	
10/04/14	>2420	
Tappan- State Line	05/28/11	387
	11/06/11	112
	05/12/12	365
	06/02/12	>2420
	07/14/12	1046
	08/04/12	1120
	09/08/12	1986
	10/06/12	2420
	05/04/13	49
	06/15/13	1553

Sampling Location	Sample Date	Enterococci Count
	07/13/13	2420
	08/10/13	1986
	09/14/13	>2420
	10/12/13	361
	05/03/14	153
	06/07/14	1986
	07/05/14	2420
	08/02/14	>2420
	09/06/14	387
	10/04/14	>2420
1301-0094		
Piermont- Old Draw Bridge	05/28/11	345
	11/06/11	>2420
	05/12/12	364
	06/02/12	>24196
	07/14/12	580
	08/04/12	199
	09/08/12	682
	10/06/12	1169
	05/04/13	31
	06/15/13	677
	07/13/13	168
	08/10/13	5475
	09/14/13	4352
	10/12/13	121
	05/03/14	292
	06/07/14	364
	07/05/14	2851
	08/02/14	>24196
	09/06/14	243
	10/04/14	364
Piermont- Pirelli Park	07/13/13	108
	08/10/13	20
	09/14/13	41
	10/12/13	30
	05/03/14	10
	06/07/14	<10

Sampling Location	Sample Date	Enterococci Count
	07/05/14	86
	08/02/14	41
	09/06/14	10
	10/04/14	420
1301-0106		
Blauvelt- Clausland Arm	05/28/11	89
	09/03/11	99
	11/06/11	66
	05/12/12	166
	06/02/12	>2420
	07/14/12	1300
	08/04/12	517
	09/08/12	1414
	10/06/12	866
	05/04/13	42
	06/15/13	649
	07/13/13	>2420
	08/10/13	816
	09/14/13	>2420
	10/12/13	>2420
	05/03/14	64
	06/07/14	613
	07/05/14	1986
	08/02/14	>2420
	09/06/14	308
10/04/14	1553	
Blauvelt- Marsico Court	05/28/11	72
	09/03/11	112
	11/06/11	34
	05/12/12	30
	06/02/12	>2420
	07/14/12	921
	08/04/12	649
	09/08/12	649
	10/06/12	1414
	05/04/13	173
	06/15/13	866

Sampling Location	Sample Date	Enterococci Count
	07/13/13	1203
	08/10/13	1986
	09/14/13	1300
	10/12/13	1046
	05/03/14	35
	06/07/14	107
	07/05/14	1414
	08/02/14	1986
	09/06/14	1414
	10/04/14	>2420
Blauvelt- Spruce Street	05/28/11	1120
	09/03/11	158
	11/06/11	89
	05/12/12	205
	06/02/12	>2420
	07/14/12	1300
	08/04/12	2420
	09/08/12	980
	10/06/12	1203
	05/04/13	89
	06/15/13	1120
	07/13/13	>2420
	08/10/13	>2420
	09/14/13	>2420
	10/12/13	>2420
	05/03/14	112
	06/07/14	770
	07/05/14	>2420
	08/02/14	>2420
	09/06/14	1203
10/04/14	>2420	
Orangeburg- Orangetown STP	05/28/11	548
	09/03/11	167
	11/06/11	131
	06/02/12	>2420
	07/14/12	921
	08/04/12	866

Sampling Location	Sample Date	Enterococci Count
	09/08/12	1414
	10/06/12	2420
	05/04/13	37
	06/15/13	921
	07/13/13	>2420
	08/10/13	>2420
	09/14/13	>2420
	10/12/13	980
	05/03/14	120
	06/07/14	579
	07/05/14	>2420
	08/02/14	>2420
	09/06/14	816
	10/04/14	1046
Orangeburg- Route 303/340	05/28/11	345
	11/06/11	54
	05/12/12	365
	06/02/12	>2420
	07/14/12	>2420
	08/04/12	1300
	09/08/12	770
	10/06/12	1300
	05/04/13	118
	06/15/13	649
	07/13/13	>2420
	08/10/13	1733
	09/14/13	>2420
	10/12/13	921
	05/03/14	49
	06/07/14	1300
07/05/14	2420	
08/02/14	>2420	
09/06/14	1733	
10/04/14	>2420	
Tappan- Oak Tree Road	05/28/11	488
	11/06/11	58
	05/12/12	613

Sampling Location	Sample Date	Enterococci Count
	06/02/12	>2420
	07/14/12	>2420
	08/04/12	1553
	09/08/12	1733
	10/06/12	>2420
	05/04/13	29
	06/15/13	1046
	07/13/13	>2420
	08/10/13	>2420
	09/14/13	>2420
	10/12/13	649
	05/03/14	101
	06/07/14	1203
	07/05/14	>2420
	08/02/14	>2420
	09/06/14	365
10/04/14	>2420	
Tappan- Route 303	05/28/11	411
	11/06/11	192
	05/12/12	326
	06/02/12	>2420
	07/14/12	1203
	08/04/12	1120
	09/08/12	1300
	10/06/12	>2420
	05/04/13	48
	06/15/13	479
	07/13/13	>2420
	08/10/13	>2420
	09/14/13	>2420
	09/14/13	461
	10/12/13	649
	05/03/14	120
06/07/14	687	
07/05/14	1553	
08/02/14	>2420	
09/06/14	866	

Sampling Location	Sample Date	Enterococci Count
	10/04/14	>2420
1301-0108		
Blauvelt- Blauvelt Arm tributary	05/28/11	158
	09/03/11	96
	11/06/11	63
	05/12/12	96
	06/02/12	>2420
	07/14/12	166
	08/04/12	687
	09/08/12	214
	10/06/12	1986
	05/04/13	1733
	06/15/13	479
	07/13/13	1533
	08/10/13	579
	09/14/13	248
	10/12/13	816
	05/03/14	107
	06/07/14	238
	07/05/14	727
	08/02/14	>2420
	09/06/14	687
10/04/14	816	
Blauvelt- Tackamack trib at Greenbush Rd Bridge	05/28/11	58
	09/03/11	65
	11/06/11	52
	05/12/12	70
	06/02/12	>2420
	07/14/12	261
	08/04/12	48
	09/08/12	65
	10/06/12	770
	05/04/13	14
	06/15/13	109
	07/13/13	1203
	08/10/13	91
09/14/13	411	

Sampling Location	Sample Date	Enterococci Count
	10/12/13	133
	05/03/14	6
	06/07/14	139
	07/05/14	1733
	08/02/14	461
	09/06/14	86
	10/04/14	1046
Orangeburg- Tackamack tributary	05/28/11	13
	09/03/11	71
	11/06/11	65
	05/12/12	81
	06/02/12	2420
	07/14/12	78
	08/04/12	91
	09/08/12	89
	10/06/12	613
	05/04/13	6
	06/15/13	866
	07/13/13	517
	08/10/13	548
	09/14/13	1203
	10/12/13	461
	05/03/14	47
	06/07/14	361
	07/05/14	1553
	08/02/14	>2420
	09/06/14	403
10/04/14	>2420	
1301-0109		
Briarcliff Manor- Below Pocantico Lake	06/12/10	91
	11/04/10	1414
	11/06/11	117
	05/12/12	134
	06/02/12	>2420
	07/14/12	54
	08/04/12	980
	09/08/12	1414

Sampling Location	Sample Date	Enterococci Count
	10/06/12	>2420
	05/04/13	2
	06/15/13	1986
	07/13/13	46
	08/10/13	921
	09/14/13	435
	10/12/13	113
	05/03/14	214
	06/07/14	17
	07/05/14	1203
	08/02/14	>2420
	09/06/14	172
	10/04/14	980
Sleepy Hollow- Below Philipsburg Manor	06/12/10	1553
	11/06/11	32
	05/12/12	60
	06/02/12	2420
	07/14/12	361
	08/04/12	83
	09/08/12	308
	10/06/12	>2420
	05/04/13	7
	06/15/13	921
	07/13/13	1300
	08/10/13	980
	09/14/13	1046
	10/12/13	285
	05/03/14	167
	06/07/14	73
07/05/14	1553	
08/02/14	>2420	
09/06/14	1986	
10/04/14	>2420	
Sleepy Hollow Cemetery	06/12/10	687
	11/04/10	>2420
	11/06/11	59
	05/12/12	155

Sampling Location	Sample Date	Enterococci Count
	06/02/12	>2420
	07/14/12	345
	08/04/12	184
	09/08/12	238
	10/06/12	>2420
	05/04/13	21
	06/15/13	461
	07/13/13	1203
	08/10/13	2420
	09/14/13	579
	10/12/13	101
	05/03/14	126
	06/07/14	70
	07/05/14	1414
	08/02/14	>2420
	09/06/14	461
	10/04/14	>2420
Sleepy Hollow- DEP Spillway	11/06/11	167
	05/12/12	28
	06/02/12	>2420
	07/14/12	>2420
	08/04/12	130
	09/08/12	>2420
	10/06/12	1046
	05/04/13	326
	06/15/13	178
	07/13/13	1733
	08/10/13	158
	09/14/13	1414
	10/12/13	66
	05/03/14	60
	06/07/14	152
	07/05/14	1986
	08/02/14	326
	09/06/14	71
	10/04/14	>2420

Sampling Location	Sample Date	Enterococci Count
Sleepy Hollow- Gory Brook tributary	11/06/11	103
	05/12/12	6
	06/02/12	>2420
	07/14/12	1733
	08/04/12	210
	09/08/12	1203
	10/06/12	1733
	05/04/13	11
	06/15/13	602
	07/13/13	1733
	08/10/13	>2420
	09/14/13	1414
	10/12/13	131
	05/03/14	28
	06/07/14	50
	07/05/14	1733
	08/02/14	1300
	09/06/14	980
10/04/14	1733	
Sleepy Hollow- Rockefeller Brook tributary	06/07/14	281
	07/05/14	2420
	08/02/14	921
	09/06/14	517
	10/04/14	>2420
Sleepy Hollow- Rockefeller Park	06/12/10	121
	11/04/10	>2420
	11/06/11	54
	05/12/12	24
	06/02/12	>2420
	07/14/12	308
	08/04/12	195
	09/08/12	128
	10/06/12	>2420
	05/04/13	17
	06/15/13	1120
	07/13/13	299
08/10/13	1046	

Sampling Location	Sample Date	Enterococci Count
	09/14/13	2420
	10/12/13	240
	05/03/14	162
	06/07/14	13
	07/05/14	1553
	08/02/14	>2420
	09/06/14	150
	10/04/14	>2420
1301-0110		
Briarcliff Manor- Above Pocantico Lake	06/12/10	10
	11/04/10	>2420
	11/06/11	57
	05/12/12	80
	06/02/12	>2420
	07/14/12	308
	08/04/12	1414
	09/08/12	>2420
	10/06/12	816
	05/04/13	50
	06/15/13	270
	07/13/13	980
	08/10/13	1120
	09/14/13	2420
	10/12/13	104
	05/03/14	57
	06/07/14	228
	07/05/14	770
	08/02/14	>2420
	09/06/14	139
10/04/14	>2420	
Briarcliff Manor- Long Hill Road	06/12/10	249
	11/04/10	>2420
	11/06/11	26
	05/12/12	41
	06/02/12	>2420
	07/14/12	51
	08/04/12	125

Sampling Location	Sample Date	Enterococci Count
	09/08/12	>2420
	10/06/12	1986
	05/04/13	18
	06/15/13	146
	07/13/13	461
	08/10/13	579
	09/14/13	>2420
	10/12/13	13
	05/03/14	55
	06/07/14	200
	07/05/14	1553
	08/02/14	2420
	09/06/14	>2420
	10/04/14	727
Briarcliff Manor- North County Trail	06/12/10	548
	11/06/11	25
	05/12/12	60
	06/02/12	>2420
	07/14/12	173
	08/04/12	183
	09/08/12	>2420
	10/06/12	222
	05/04/13	24
	06/15/13	260
	07/13/13	276
	08/10/13	866
	09/14/13	313
	10/12/13	75
	05/03/14	69
	06/07/14	285
07/05/14	816	
08/02/14	>2420	
09/06/14	222	
10/04/14	2420	
Briarcliff Manor- Stone Creek Lane	11/04/10	>2420
	11/06/11	18
	05/12/12	48

Sampling Location	Sample Date	Enterococci Count
	06/02/12	1986
	07/14/12	378
	08/04/12	921
	09/08/12	>2420
	10/06/12	1120
	05/04/13	24
	06/15/13	727
	07/13/13	980
	08/10/13	345
	09/14/13	435
	10/12/13	42
	05/03/14	185
	06/07/14	206
	07/05/14	1120
	08/02/14	2420
	09/06/14	921
	10/04/14	>2420
Briarcliff Manor- Unnamed tributary at pump house	11/04/10	>2420
	11/06/11	18
	05/12/12	67
	06/02/12	>2420
	07/14/12	1733
	08/04/12	1553
	09/08/12	>2420
	10/06/12	921
	05/04/13	53
	06/15/13	101
	07/13/13	>2420
	08/10/13	>2420
	09/14/13	461
	10/12/13	59
	05/03/14	56
	06/07/14	185
	07/05/14	1203
08/02/14	1986	
09/06/14	30	
10/04/14	>2420	

Sampling Location	Sample Date	Enterococci Count
New Castle- Echo Lake	11/04/10	>2420
	11/06/11	16
	05/12/12	51
	06/02/12	110
	07/14/12	2420
	09/08/12	12
	10/06/12	1733
	05/04/13	72
	06/15/13	178
	07/13/13	93
	08/10/13	159
	09/14/13	28
	10/12/13	54
	05/03/14	461
	06/07/14	15
	07/05/14	1300
	08/02/14	>2420
09/06/14	260	
10/04/14	>2420	
1301-0220		
Saugerties- Below sewage outfall at Malden Rest Stop	07/24/12	>2420
	08/21/12	192
	09/18/12	>2420
	10/18/12	102
Saugerties- Great Vly wetland boat & fishing	06/27/13	1553
	07/25/13	179
	08/22/13	32
	09/26/13	91
	10/24/13	5
Saugerties- Lauren Tice Road above rest stop	07/24/12	101
	08/21/12	579
	09/18/12	>2420
	10/18/12	40
	06/06/13	345
	06/27/13	921
	07/25/13	1414
	08/22/13	205

Sampling Location	Sample Date	Enterococci Count
	09/26/13	248
	10/24/13	248
Saugerties- Malden Turnpike Fire Dept intake	06/19/12	345
	07/24/12	>2420
	08/21/12	222
	09/18/12	>2420
	10/18/12	36
	06/06/13	613
	06/27/13	248
	07/25/13	>2420
	08/22/13	121
	09/26/13	63
	10/24/13	52
	Saugerties- Mike Krout Road	05/23/12
06/19/12		45
07/24/12		>2420
08/21/12		77
09/18/12		>2420
10/18/12		33
Saugerties- Seamon Park	05/23/12	1300
	06/19/12	130
	07/24/12	90
	08/21/12	32
	09/18/12	>2420
	10/18/12	42
	06/06/13	687
	06/27/13	51
	07/25/13	517
	08/22/13	117
	09/26/13	29
	10/24/13	5
Saugerties- West Camp Road	06/06/13	179
	06/27/13	1120
	07/25/13	980
	08/22/13	613
	09/26/13	140
	10/24/13	27

Sampling Location	Sample Date	Enterococci Count	
1306-0017			
Goshen- Echo Lake Road	05/26/12	1120	
	06/30/12	173	
	07/28/12	>2420	
	09/01/12	1300	
	09/29/12	3784	
	10/27/12	461	
	06/08/13	>2420	
	06/29/13	>2420	
	07/27/13	173	
	08/24/13	326	
	09/28/13	249	
	10/26/13	44	
	05/31/14	308	
	06/28/14	288	
	07/26/14	461	
	08/30/14	649	
	09/27/14	218	
	11/01/14	548	
	Goshen- Route 6/17M	05/26/12	727
		06/30/12	211
07/28/12		>2420	
09/01/12		1986	
09/29/12		6867	
10/27/12		1120	
06/08/13		>2420	
06/29/13		>2420	
07/27/13		199	
08/24/13		488	
09/28/13		344	
10/26/13		60	
05/31/14		579	
06/28/14		770	
07/26/14		1300	
08/30/14		770	
09/27/14	921		
11/01/14	81		

Sampling Location	Sample Date	Enterococci Count
Unionville- Nat'l Wildlife Refuge boat & fishing	05/26/12	121
	06/30/12	39
	07/28/12	1300
	09/01/12	36
	09/29/12	794
	10/27/12	218
	06/08/13	>2420
	07/27/13	83
	08/24/13	479
	09/28/13	42
	10/26/13	24
	05/31/14	48
	06/28/14	349
	07/26/14	1986
	08/30/14	>2420
09/27/14	1120	
11/01/14	345	
Wawayanda- Pellets Island Bridge	05/26/12	361
	06/30/12	260
	07/28/12	>2420
	09/01/12	980
	09/29/12	4884
	10/27/12	921
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	260
	08/24/13	345
	09/28/13	313
	10/26/13	32
	05/31/14	461
	06/28/14	649
	07/26/14	727
08/30/14	921	
09/27/14	204	
11/01/14	1300	

Sampling Location	Sample Date	Enterococci Count
1306-0027		
Gardiner- USGS Streamgage	05/26/12	90
	06/30/12	137
	07/28/12	1046
	09/01/12	613
	09/29/12	1780
	10/27/12	727
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	276
	08/24/13	1120
	09/28/13	56
	10/26/13	14
	05/31/14	365
	06/23/14	28
	06/28/14	488
	07/26/14	517
	08/30/14	1733
	09/27/14	613
	11/01/14	308
	New Paltz- Plains Road boat launch	05/26/12
06/30/12		27
07/28/12		921
09/01/12		548
09/29/12		10462
10/27/12		387
06/08/13		>2420
06/29/13		>2420
07/27/13		178
08/24/13		240
09/28/13		102
10/26/13		25
05/31/14		260
06/28/14		135
07/26/14		260
08/30/14	727	
09/27/14	35	

Sampling Location	Sample Date	Enterococci Count
	11/01/14	67
New Paltz- Springtown Road boat launch	05/26/12	579
	06/30/12	89
	07/28/12	613
	09/01/12	727
	09/29/12	10462
	10/27/12	517
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	921
	08/24/13	111
	09/28/13	128
	10/26/13	20
	05/31/14	157
	06/28/14	308
	07/26/14	649
	08/30/14	1046
	09/27/14	55
11/01/14	172	
Rifton- Cow Hough Road fishing access	05/26/12	397
	06/30/12	45
	07/28/12	63
	09/01/12	687
	09/29/12	1541
	10/27/12	84
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	10
	08/24/13	46
	09/28/13	76
	10/26/13	13
	05/31/14	179
	06/28/14	1414
	07/26/14	208
	08/30/14	1300
	09/27/14	152
11/01/14	14	

Sampling Location	Sample Date	Enterococci Count
Tillson- Rt 32 Bridge fishing access	05/26/12	687
	06/30/12	38
	07/28/12	411
	09/01/12	225
	09/29/12	4611
	10/27/12	238
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	26
	08/24/13	34
	09/28/13	211
	10/26/13	20
	05/31/14	206
	06/28/14	>2420
	07/26/14	921
	08/30/14	1553
	09/27/14	36
11/01/14	15	
1306-0031		
Eddyville- Creek Locks fishing access	05/26/12	79
	06/30/12	2420
	07/28/12	157
	09/01/12	91
	09/29/12	554
	10/27/12	55
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	153
	08/24/13	96
	09/28/13	548
	10/26/13	15
	05/31/14	129
	06/28/14	60
	07/26/14	78
	08/30/14	12
	09/27/14	23
11/01/14	141	

Sampling Location	Sample Date	Enterococci Count
1306-0038		
Middletown- Cemetery Road	05/26/12	517
	06/30/12	141
	07/28/12	>2420
	09/01/12	548
	09/29/12	6131
	10/27/12	411
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	1203
	08/24/13	980
	09/28/13	137
	10/26/13	727
	05/31/14	411
	06/28/14	185
	07/26/14	980
	08/30/14	980
	09/27/14	501
	11/01/14	689
Middletown- Stony Ford Road	05/26/12	866
	06/30/12	344
	07/28/12	1203
	09/01/12	276
	09/29/12	1850
	10/27/12	687
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	285
	08/24/13	517
	09/28/13	50
	10/26/13	28
	05/31/14	137
	06/28/14	687
	07/26/14	1553
	08/30/14	1986
	09/27/14	199
	11/01/14	517

Sampling Location	Sample Date	Enterococci Count
Montgomery- Benedict Farm Park floating dock	05/26/12	1046
	06/30/12	214
	07/28/12	1986
	09/01/12	365
	09/29/12	6488
	10/27/12	313
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	162
	08/24/13	770
	09/28/13	345
	10/26/13	54
	05/31/14	291
	06/28/14	192
	07/26/14	>2420
	08/30/14	488
	09/27/14	157
11/01/14	96	
Montgomery- I-84 Crossing	05/26/12	435
	06/30/12	921
	07/28/12	2420
	09/01/12	>2420
	09/29/12	315
	10/27/12	>2420
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	84
	08/24/13	613
	09/28/13	78
	10/26/13	>2420
	05/31/14	167
	06/28/14	411
	07/26/14	1986
	08/30/14	770
	09/27/14	86
11/01/14	>2420	

Sampling Location	Sample Date	Enterococci Count
Montgomery- Riverfront Park fishing access	05/26/12	816
	06/30/12	40
	07/28/12	>2420
	09/01/12	2420
	09/29/12	1391
	10/27/12	272
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	199
	08/24/13	579
	09/28/13	291
	10/26/13	28
	05/31/14	155
	06/28/14	649
	07/26/14	1986
	08/30/14	980
	09/27/14	649
	11/01/14	816
Shawangunk- Galeville Bridge	05/26/12	1414
	06/30/12	292
	07/28/12	411
	09/01/12	727
	09/29/12	657
	10/27/12	285
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	866
	08/24/13	479
	09/28/13	78
	10/26/13	78
	05/31/14	387
	06/28/14	214
	07/26/14	921
	08/30/14	1733
	09/27/14	579
	11/01/14	179

Sampling Location	Sample Date	Enterococci Count
Shawangunk- Orange/Ulster Line fishing access	05/26/12	435
	06/30/12	2
	07/28/12	770
	09/01/12	457
	09/29/12	1421
	10/27/12	517
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	37
	08/24/13	78
	09/28/13	127
	10/26/13	517
	05/31/14	308
	06/28/14	42
	07/26/14	461
	08/30/14	199
	09/27/14	74
11/01/14	73	
1306-0040		
New Paltz- Mill Brook tributary at Route 32	06/30/12	236
	07/28/12	1986
	09/01/12	1414
	09/29/12	3076
	10/27/12	210
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	770
	08/24/13	>2420
	09/28/13	225
	10/26/13	32
	05/31/14	299
	06/28/14	2420
	07/26/14	416
	08/30/14	579
09/27/14	107	
11/01/14	84	

Sampling Location	Sample Date	Enterococci Count
New Paltz- Saw Mill Brook tributary	05/26/12	340
	06/30/12	980
	07/28/12	980
	09/01/12	>2420
	09/29/12	571
	10/27/12	114
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	80
	08/24/13	1733
	09/28/13	397
	10/26/13	112
	05/31/14	517
	06/28/14	980
	07/26/14	579
	08/30/14	1733
	09/27/14	308
11/01/14	328	
1306-0045		
Gardiner- Shawangunk Kill tributary	05/26/12	93
	06/30/12	118
	07/28/12	397
	09/01/12	687
	09/29/12	9804
	10/27/12	980
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	261
	08/24/13	687
	09/28/13	47
	10/26/13	36
	05/31/14	161
	06/28/14	365
	07/26/14	199
	08/30/14	>2420
	09/27/14	111
11/01/14	96	

Sampling Location	Sample Date	Enterococci Count
1306-0061		
Goshen- Rio Grande tributary at Heritage Trail	05/26/12	727
	06/30/12	199
	07/28/12	1986
	09/01/12	649
	09/29/12	1059
	10/27/12	192
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	>2420
	08/24/13	1986
	09/28/13	>2420
	10/26/13	1046
	05/31/14	1553
	06/28/14	2420
	07/26/14	>2420
	08/30/14	1986
	09/27/14	>2420
11/01/14	>2420	
1306-0088		
Accord- Fire Dept intake	05/31/14	115
	06/28/14	261
	07/26/14	291
	08/30/14	276
	09/27/14	261
	11/01/14	55
Accord- Route 209 & River Street	05/26/12	57
	06/30/12	9
	07/28/12	162
	09/01/12	120
	09/29/12	627
	10/27/12	84
	06/08/13	>2420
	06/29/13	649
	07/27/13	78
	08/24/13	178
09/28/13	11	

Sampling Location	Sample Date	Enterococci Count
	10/26/13	9
	05/31/14	102
	06/28/14	727
	07/26/14	248
	08/30/14	144
	09/27/14	214
	11/01/14	26
Alligerville- Route 6 Bridge swimming hole	05/26/12	49
	06/30/12	10
	07/28/12	204
	09/01/12	411
	09/29/12	1541
	10/27/12	167
	06/08/13	>2420
	06/29/13	1414
	07/27/13	173
	08/24/13	15
	09/28/13	15
	10/26/13	33
	05/31/14	48
	06/28/14	30
	07/26/14	345
08/30/14	96	
09/27/14	192	
11/01/14	55	
High Falls swimming hole	05/26/12	51
	06/30/12	42
	07/28/12	361
	09/01/12	45
	09/29/12	984
	10/27/12	110
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	96
	08/24/13	35
	09/28/13	65
	10/26/13	10

Sampling Location	Sample Date	Enterococci Count
	05/31/14	86
	06/28/14	276
	07/26/14	147
	08/30/14	461
	09/27/14	77
	11/01/14	8
Kerhonkson- 42nd Street Bridge	05/26/12	66
	06/30/12	58
	07/28/12	687
	09/01/12	121
	09/29/12	794
	10/27/12	99
	06/08/13	>2420
	06/29/13	770
	07/27/13	365
	08/24/13	411
	09/28/13	36
	10/26/13	9
	05/31/14	117
	06/28/14	866
	07/26/14	435
	08/30/14	116
09/27/14	42	
11/01/14	35	
Kerhonkson- Route 44/55 Bridge	05/26/12	73
	06/30/12	56
	07/28/12	727
	09/01/12	548
	09/29/12	820
	10/27/12	70
	06/08/13	>2420
	06/29/13	1120
	07/27/13	162
	08/24/13	249
	09/28/13	88
	10/26/13	29
	05/31/14	225

Sampling Location	Sample Date	Enterococci Count
	06/28/14	461
	07/26/14	261
	08/30/14	105
	09/27/14	86
	11/01/14	58
Rosendale- AJ Snyder Field swimming hole	05/26/12	49
	06/30/12	61
	07/28/12	1300
	09/01/12	31
	09/29/12	670
	10/27/12	185
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	214
	08/24/13	365
	09/28/13	1986
	10/26/13	23
	05/31/14	210
	06/28/14	365
	07/26/14	272
	08/30/14	>2420
09/27/14	178	
11/01/14	21	
Rosendale Trestle swimming hole	05/26/12	43
	06/30/12	45
	07/28/12	411
	09/01/12	96
	09/29/12	839
	10/27/12	1046
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	517
	08/24/13	272
	09/28/13	649
	10/26/13	51
	05/31/14	248
06/28/14	285	

Sampling Location	Sample Date	Enterococci Count
	07/26/14	152
	08/30/14	144
	09/27/14	148
	11/01/14	26
Tillson- NY Thruway Crossing	05/26/12	31
	06/30/12	78
	07/28/12	687
	09/01/12	130
	09/29/12	3448
	10/27/12	770
	06/08/13	2420
	06/29/13	>2420
	07/27/13	250
	08/24/13	89
	09/28/13	45
	10/26/13	26
	05/31/14	71
	06/28/14	57
	07/26/14	31
	08/30/14	54
	09/27/14	281
11/01/14	10	
Wawarsing- Foordemoore Road Bridge	05/26/12	76
	06/30/12	41
	07/28/12	488
	09/01/12	140
	09/29/12	226
	10/27/12	104
	06/08/13	>2420
	06/29/13	816
	07/27/13	109
	08/24/13	299
	09/28/13	184
	10/26/13	99
	05/31/14	193
06/28/14	1300	
07/26/14	548	

Sampling Location	Sample Date	Enterococci Count
	08/30/14	99
	09/27/14	50
	11/01/14	172
1306-0089		
Napanoch- Route 209	06/30/12	211
	07/28/12	659
	09/01/12	38
	09/29/12	295
	10/27/12	31
	06/08/13	1046
	06/29/13	>2420
	07/27/13	435
	08/24/13	66
	09/28/13	980
	10/26/13	548
	05/31/14	16
	06/28/14	2420
	07/26/14	1986
	08/30/14	344
	09/27/14	33
11/01/14	13	
Napanoch- State Prison	05/26/12	84
	06/30/12	57
	07/28/12	921
	09/01/12	47
	09/29/12	537
	10/27/12	60
	06/08/13	2420
	06/29/13	1553
	07/27/13	249
	08/24/13	161
	09/28/13	96
	10/26/13	93
	05/31/14	72
	06/28/14	1300
07/26/14	313	
08/30/14	313	

Sampling Location	Sample Date	Enterococci Count
	09/27/14	55
	11/01/14	37
Wawarsing- Port Ben Road	05/26/12	93
	06/30/12	152
	07/28/12	649
	09/01/12	56
	09/29/12	959
	10/27/12	236
	06/08/13	>2420
	06/29/13	980
	07/27/13	150
	08/24/13	118
	09/28/13	54
	10/26/13	56
	05/31/14	291
	06/28/14	1300
	07/26/14	173
	08/30/14	179
	09/27/14	45
11/01/14	93	
1306-0091		
Wawarsing- Below Rondout Res fishing access	05/26/12	9
	06/30/12	52
	07/28/12	48
	09/01/12	42
	09/29/12	275
	10/27/12	30
	06/08/13	548
	06/29/13	65
	07/27/13	111
	08/24/13	25
	09/28/13	19
	10/26/13	9
	05/31/14	6
	06/28/14	25
	07/26/14	22
08/30/14	16	

Sampling Location	Sample Date	Enterococci Count
	09/27/14	33
	11/01/14	25
1306-0107		
Accord- Rochester Creek tributary	05/26/12	41
	06/30/12	27
	07/28/12	461
	09/01/12	121
	09/29/12	3448
	10/27/12	59
	06/08/13	>2420
	06/29/13	980
	07/27/13	328
	08/24/13	130
	09/28/13	38
	10/26/13	21
	05/31/14	60
	06/28/14	517
	07/26/14	186
	08/30/14	141
09/27/14	115	
11/01/14	14	
1306-0113		
Ellenville- Sandburg Creek tributary	05/31/14	47
	06/28/14	1120
	07/26/14	435
	08/30/14	64
	09/27/14	50
	11/01/14	260
1306-0116		
Ellenville- Beer Kill tributary	05/26/12	70
	06/30/12	25
	07/28/12	285
	09/01/12	9
	09/29/12	512
	10/27/12	41
	06/08/13	>2420
	06/29/13	687

Sampling Location	Sample Date	Enterococci Count
	07/27/13	727
	08/24/13	387
	09/28/13	1733
	10/26/13	27
	05/31/14	31
	06/28/14	2420
	07/26/14	233
	08/30/14	162
	09/27/14	29
	11/01/14	7
1307-0003		
Hurley- Route 209 fishing access	05/23/14	29
	06/23/14	29
	07/18/14	24
	08/22/14	36
	09/13/14	16
Hurley- Wyncoop Rd Bridge Fire Dept intake	04/24/12	197
	05/23/12	36
	06/19/12	14
	07/24/12	291
	08/21/12	2
	09/18/12	>2420
	10/18/12	4
	06/06/13	228
	06/27/13	20
	07/25/13	19
	08/22/13	107
	09/26/13	1
	10/24/13	6
	05/23/14	59
	06/23/14	5
	07/18/14	24
	08/22/14	27
	09/13/14	36
	10/24/14	141
	Kingston- Washington Avenue Bridge	07/05/11
07/15/11		18

Sampling Location	Sample Date	Enterococci Count
	08/24/11	16
	09/21/11	276
	10/17/11	15
	11/14/11	4
	04/24/12	365
	05/23/12	47
	06/19/12	18
	07/24/12	23
	08/21/12	10
	09/18/12	921
	10/18/12	12
	06/06/13	921
	06/27/13	15
	07/25/13	17
	08/22/13	23
	09/26/13	6
	10/24/13	49
	05/23/14	58
	06/23/14	10
	07/18/14	10
08/22/14	40	
09/13/14	11	
10/24/14	30	
Marbletown- Tongore Park swimming beach	04/24/12	53
	05/23/12	25
	06/19/12	6
	07/24/12	7
	08/21/12	45
	09/18/12	1300
	10/18/12	2
	06/06/13	461
	06/27/13	11
	07/25/13	20
	08/22/13	46
	09/26/13	24
	10/24/13	8
	05/23/14	11

Sampling Location	Sample Date	Enterococci Count
	06/23/14	8
	07/18/14	4
	08/22/14	16
	09/13/14	98
	10/24/14	39
1307-0010		
Lake Katrine- Leggs Mill Bridge	07/05/11	56
	07/15/11	10
	08/24/11	9
	09/21/11	116
	10/17/11	42
	04/24/12	270
	05/23/12	125
	06/19/12	12
	07/24/12	816
	08/21/12	31
	09/18/12	64
	10/18/12	4
	06/06/13	63
	06/27/13	3
	07/25/13	128
	08/22/13	31
	09/26/13	8
	10/24/13	6
	05/23/14	214
	06/23/14	12
07/18/14	86	
08/22/14	72	
09/13/14	11	
10/24/14	548	
Lincoln Park- Orlando Park	07/05/11	238
	07/15/11	48
	08/24/11	18
	09/21/11	649
	10/17/11	37
	11/14/11	5
	04/24/12	980

Sampling Location	Sample Date	Enterococci Count
	05/23/12	88
	06/19/12	34
	07/24/12	60
	08/21/12	8
	09/18/12	1300
	10/18/12	4
	06/06/13	81
	06/27/13	53
	07/25/13	228
	08/22/13	17
	09/26/13	12
	10/24/13	5
	05/23/14	435
	06/23/14	28
	07/18/14	72
	08/22/14	32
	09/13/14	6
10/24/14	687	
Mt Marion- USGS Streamgage	08/20/10	6
	08/23/10	>2420
	09/16/10	12
	09/17/10	31
	07/05/11	49
	07/15/11	9
	08/24/11	8
	09/21/11	111
	10/17/11	23
	11/14/11	12
	04/24/12	249
	05/23/12	96
	06/19/12	15
	07/24/12	24
	08/21/12	6
	09/18/12	326
	10/18/12	2
06/06/13	73	
06/27/13	56	

Sampling Location	Sample Date	Enterococci Count
	07/25/13	921
	08/22/13	15
	09/26/13	8
	10/24/13	6
	05/23/14	153
	06/23/14	18
	07/18/14	39
	08/22/14	154
	09/13/14	48
	10/24/14	219
Saugerties Village Beach	08/20/10	22
	08/23/10	>2420
	09/16/10	2
	09/17/10	3
	07/05/11	162
	07/15/11	8
	08/24/11	3
	09/21/11	93
	10/17/11	61
	11/14/11	15
	04/24/12	190
	05/23/12	59
	06/19/12	6
	07/24/12	3
	08/21/12	4
	09/18/12	29
	10/18/12	5
	06/06/13	9
	06/27/13	38
	07/25/13	517
	08/22/13	55
	09/26/13	1
	10/24/13	13
	05/23/14	179
06/23/14	23	
07/18/14	45	
08/22/14	86	

Sampling Location	Sample Date	Enterococci Count
	09/13/14	13
	10/24/14	517
1307-0013		
Lake Katrine- Plattekill Creek tributary	05/23/14	210
	06/23/14	24
	07/18/14	25
	08/22/14	30
	09/13/14	13
	10/24/14	365
1307-0017		
Lake Katrine- Sawkill Creek tributary	05/23/14	77
	06/23/14	27
	07/18/14	62
	08/22/14	548
	09/13/14	12
	10/24/14	260
1309-0004		
Cairo- Above WWTP outfall	05/22/14	50
	06/22/14	3
	07/17/14	6
	08/21/14	110
	09/12/14	8
	10/23/14	816
Cairo- Below WWTP outfall	05/22/14	44
	06/22/14	3
	07/17/14	25
	08/21/14	14
	09/12/14	4
	10/23/14	1300
Cauterskill- Rt 23 Bridge swimming hole	07/14/11	10
	08/20/11	118
	10/16/11	104
	05/22/12	261
	06/19/12	29
	07/24/12	34
	09/17/12	24
	10/17/12	4

Sampling Location	Sample Date	Enterococcus Count
	06/07/13	84
	06/27/13	41
	08/22/13	5
	09/26/13	10
	10/24/13	3
	05/22/14	34
	06/22/14	50
	07/17/14	57
	08/21/14	5
	09/12/14	13
	10/23/14	>2420
Leeds- Fire Department intake	07/14/11	26
	04/23/12	1986
	05/22/12	387
	06/19/12	46
	08/20/12	91
	09/17/12	33
	10/17/12	1
	06/07/13	148
	06/27/13	91
	08/22/13	73
	09/26/13	40
	10/24/13	22
	05/22/14	30
	06/22/14	18
	07/17/14	81
08/21/14	24	
09/12/14	10	
10/23/14	1414	
Leeds- Slippery Rock	07/14/11	99
	08/20/11	142
	10/16/11	158
	05/22/12	287
	07/24/12	112
	08/20/12	1046
	09/17/12	13
	10/17/12	2

Sampling Location	Sample Date	Enterococci Count
	06/07/13	1203
	06/27/13	24
	08/22/13	50
	09/26/13	13
	10/24/13	10
	05/22/14	40
	06/22/14	36
	10/23/14	2420
South Cairo Bridge	05/22/12	173
	06/19/12	30
	07/24/12	>2420
	08/20/12	98
	09/17/12	10
	10/17/12	17
	06/07/13	313
	06/27/13	21
	08/22/13	36
	09/26/13	201
	10/24/13	19
	05/22/14	68
	06/22/14	26
	07/17/14	33
	08/21/14	261
09/12/14	7	
10/23/14	1733	
1309-0006		
Cauterskill- Kaaterskill Creek tributary	05/22/14	54
	06/22/14	47
	07/17/14	50
	08/21/14	13
	09/12/14	12
	10/23/14	>2420
1309-0010		
Jefferson Heights- West Main Street	07/01/11	13
	07/14/11	12
	08/20/11	31
	10/16/11	128

Sampling Location	Sample Date	Enterococci Count
	05/22/12	1046
	06/19/12	12
	07/24/12	81
	08/20/12	23
	09/17/12	16
	10/17/12	12
	06/07/13	62
	06/27/13	2
	08/22/13	6
	09/26/13	2
	10/24/13	7
	05/22/14	38
	06/22/14	34
	07/17/14	71
	08/21/14	26
09/12/14	7	
10/23/14	>2420	
1309-0011		
Durham- Dean's Mill swimming hole & fishing	05/22/14	61
	06/22/14	16
	07/17/14	24
	08/21/14	21
	09/12/14	17
	10/23/14	>2420
East Durham- Route 67/67A swimming hole	05/22/14	38
	06/22/14	16
	07/17/14	29
	08/21/14	11
	09/12/14	980
	10/23/14	>2420
Livingstonville- CCC Camp Road fishing access	05/22/14	326
	06/22/14	44
	07/17/14	25
	08/21/14	29
	09/12/14	4
	10/23/14	2420

Sampling Location	Sample Date	Enterococci Count
Livingstonville- Route 145	05/22/14	190
	06/22/14	90
	07/17/14	12
	08/21/14	37
	09/12/14	30
	10/23/14	1986
Livingstonville- Stone Store Road	05/22/14	>2420
	06/22/14	59
	07/17/14	40
	08/21/14	93
	09/12/14	17
	10/23/14	1300
Middleburgh- The Vlaie fishing & boating access	05/22/14	69
	06/22/14	23
	07/17/14	31
	08/21/14	17
	09/12/14	29
	10/23/14	206
Oak Hill- Above Oak Hill	05/22/14	21
	06/22/14	12
	07/17/14	23
	08/21/14	21
	09/12/14	64
	10/23/14	>2420
Oak Hill- Brandow Memorial Park boating access	05/22/14	25
	06/22/14	19
	07/17/14	20
	08/21/14	22
	09/12/14	23
	10/23/14	>2420
Potter Hollow- Route 145/81 fishing access	05/22/14	15
	06/22/14	21
	07/17/14	16
	08/21/14	13
	09/12/14	3
	10/23/14	>2420

Sampling Location	Sample Date	Enterococci Count
Preston Hollow- Cheese Hill Road fishing access	05/22/14	7
	06/22/14	33
	07/17/14	29
	08/21/14	71
	09/12/14	6
	10/23/14	>2420
1309-0027		
Freehold- Basic Creek tributary	05/22/14	32
	06/22/14	64
	07/17/14	44
	08/21/14	53
	09/12/14	91
	10/23/14	1553
1309-0029		
East Durham- Thorp Creek tributary	06/22/14	41
	07/17/14	49
	08/21/14	201
	09/12/14	144
1309-0030		
Durham- Ten Mile Creek tributary	05/22/14	58
	06/22/14	16
	07/17/14	21
	08/21/14	63
	09/12/14	1
	10/23/14	1300
No segment listed		
Tillson- Coutant Rd below Sturgeon Pool	05/26/12	84
	06/30/12	2
	07/28/12	>2420
	09/01/12	21
	09/29/12	865
	10/27/12	130
	06/08/13	>2420
	06/29/13	>2420
	07/27/13	549
	08/24/13	21
	09/28/13	23

Sampling Location	Sample Date	Enterocount
	10/26/13	30
	05/31/14	47
	06/28/14	109
	07/26/14	24
	08/30/14	29
	09/27/14	19
	11/01/14	32

Attachments: Photos of Recreational Use



1 Child swimming in Quassaick Creek at Algonquin Park, Orange County. Credit Scott Cuppett.



2 Swimmers at High Falls, Rondout Creek, Ulster County. Credit Dan Shapley.



3 Rochelle Riservato swimming at Creek Locks Road, Rondout Creek, Ulster County. Credit Rochelle Riservato.



4 Children swimming in Rondout Creek watershed. Credit Scott Cuppett.