

Technical Memorandum

**HUDSON RIVER WATERSHED 2007
DWM WATER QUALITY MONITORING DATA**

January 2013

**Matthew Reardon
Massachusetts Department of Environmental Protection
Division of Watershed Management
DWM Control Number CN 287.1**

**COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS
Richard K. Sullivan Jr., Secretary
MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
Kenneth L. Kimmell, Commissioner
BUREAU OF RESOURCE PROTECTION
Bethany Card, Assistant Commissioner
DIVISION OF WATERSHED MANAGEMENT**



Table of Contents

Introduction	3
Project Objectives	3
Sampling Plan	3
Field and Analytical Methods	10
Quality Assurance and Quality Control	10
Station Observations	11
Sampling Issues and Coordinator Notes	24
Survey Conditions	25
Water Quality Data	29
References	83
Appendix 1: 2007 Data Symbols and Qualifiers	84

List of Tables and Figures

Table 1. 2007 Sampling sites, description and parameteric coverage for Hudson River Watershed Sampling	5
Table 2. 2007 Field observations from MassDEP DWM Hudson River Watershed surveys	11
Table 3. Total monthly precipitation in 2007 and monthly average precipitation for 1981 to 2010 at the North Adams Harriman Airport weather station	25
Table 4. USGS gage stations used to estimate the hydrological conditions in the Hudson River Watershed during the 2007 DWM water quality surveys and the estimated 7Q10 flows for each gage	26
Table 5. Precipitation and discharge	26
Table 6. 2007 MassDEP Hudson River Watershed water quality data	29
Table 7. 2007 MassDEP Hudson River Watershed <i>E. coli</i> geometric means for sites with a minimum of five samples	60
Table 8. 2007 MassDEP Hudson River Watershed attended probe data	61
Table 9. 2007 MassDEP Hudson River Watershed summary of unattended probe temperature data	74
Table 10. 2007 MassDEP Hudson River Watershed summary of unattended probe dissolved oxygen data	78
Table 11. 2007 MassDEP Hudson River Watershed continuous temperature deploy data	82
Figure 1. MassDEP DWM 2007 Monitoring Station Locations in the Hudson River Watershed	9

Introduction

The Hudson River Watershed water quality survey was conducted in 2007, along with benthic macroinvertebrate sampling and fish population sampling, as part of the Division of Watershed Management (DWM) monitoring. Consistent with DWM's general approach to watershed monitoring to meet defined programmatic objectives, water quality surveys were conducted during the months of April, May, June, July, August and September. This technical memorandum is designed to present final DWM generated water quality monitoring data for use in watershed assessment reports and for reporting data to outside groups.

Project Objectives

The results of the 2007 Hudson River water quality monitoring factor into regulatory actions taken by the MassDEP and the US EPA, are incorporated into DWM's Water Quality Assessment Reports, and are used to update Sections 305(b) and 303(d) reporting elements of the Clean Water Act. Additionally, these data are used in the development of Total Maximum Daily Loads (TMDLs) to address waters not attaining water quality standards and to aid in the development of National Pollutant Discharge Elimination System (NPDES) permits.

The specific objectives of the 2007 Hudson River Watershed monitoring were to:

- 1) Collect physico-chemical data to assess the *Aquatic Life Use*.
- 2) Collect biological data (benthic macroinvertebrate, fish population, habitat assessments and algal population) to assess the *Aquatic Life Use*. The results of the 2007 benthic macroinvertebrate monitoring are detailed in a separate technical memorandum (Reardon 2012). Fish population data will also be used to determine whether a cold water fishery exists in the segments sampled. The results of the 2007 fish population monitoring will be detailed in a separate technical memorandum.
- 3) Collect bacteria data to assess the *Primary and Secondary Contact Recreational Uses*. Field observations during sampling will be used to assess the *Aesthetics Use*.
- 4) Screen fish to provide information to the Massachusetts Department of Public Health (MDPH) for public health risk assessment due to fish tissue contaminants (metals, polychlorinated biphenyls (PCBs) and pesticides). The results of the 2007 fish toxics monitoring are detailed in a separate technical memorandum (Maietta *et. al* 2008).
- 5) Gather water quality data to determine long-term trends in water quality in the Hudson River Basin.
- 6) Gather stream temperature to determine whether a cold water fishery exists in segments sampled and determine the impact of point source discharges.

Sampling Plan

Information pertaining to station location, rationale and objectives is available in *Sampling Plan for Year 2007 Surface Water Monitoring in the Hudson Watershed* (MassDEP 2007a). For a description of the DWM's general approach to watershed monitoring, see the *MADEP, DWM QAPP for Surface Water Monitoring and Assessment, 2005-2009* (MassDEP 2005a).

Samples for total phosphorous, total nitrogen, ammonia-N, apparent color, true color and turbidity were obtained from a total of twenty-six stations (Table 1). Samples were taken for total suspended solids analysis at twenty-five stations (Table 1). Samples were taken for *E. coli* analysis at twenty-seven

stations (Table 1). *In-situ* measurements of temperature, dissolved oxygen, pH, and conductivity were collected at thirty-two stations (Table 1). Five water quality surveys consisting of grab samples for water chemistry and *E. coli* bacteria and *in-situ* measurements were conducted on the following dates: April 24th, May 29th, June 26th, August 7th and September 11th. In addition to these five sampling dates an additional bacteria only sampling survey was conducted on September 27th. Bacteria sampling was also conducted on August 21st at stations NBH0.17 and HR16.195.

Metals sampling occurred on July 18th at four locations along the Hoosic River. During subsequent metals sampling efforts on August 22nd and September 18th, only two locations in the Hoosic River near the Lime Street crossing and Hodges Road crossing were sampled (Table 1). Continuous temperature and dissolved oxygen monitoring with unattended probes were carried out for a minimum duration of 24 hours at 22 sites (Table 1). Attended *in-situ* measurements of temperature, dissolved oxygen, pH, and conductivity were collected at ten stations on July 16th as part of a special dissolved oxygen investigation in the Hoosic River in Adams and North Adams. The sampling was prompted by previous measurements of dissolved oxygen supersaturation and the intended goal of the sampling was to determine if there was a spatial pattern to the dissolved oxygen dynamics in this stretch of the Hoosic River.

Continuous temperature monitoring was also conducted at ten stations to determine whether conditions supportive of a cold water fishery exist in sampled segments and/or to determine the impact of point source discharges (Table 1). Habitat assessments were completed at eleven water quality stations. Water quality samples for alkalinity were obtained from twelve stations. In addition, at seventeen stations water samples were analyzed for hardness. Table 1 and Figure 1 provide details and locations of the 2007 sampling sites.

Table 1. 2007 Sampling sites, descriptions and parametric coverage for Hudson River Watershed Sampling

Unique ID	Station ID	Waterbody	Description	Latitude	Longitude	Nutrients, Color, Turbidity*	Total Suspended Solids	Bacteria	Habitat Assessment	Temperature	Attended Multiprobe**	Deployed Multiprobe	Dissolved Metals	Hardness	Alkalinity
W1734	BB0.37	Bassett Brook	[approximately 300 feet upstream from Fred Mason Road, Cheshire]	42.59664	-73.14780							X			
W1558	BB00	Bassett Brook	[approximately 200 feet upstream from Fred Mason Road, Cheshire]	42.59657	-73.14744					X		X			
W1552	BDB0.8	Broad Brook	[Route 7 (Simonds Road), Williamstown]	42.73583	-73.20647	X	X	X	X	X	X	X		X	X
W1591	BEB0.3	Bently Brook	[unnamed road west of Corey Road, Hancock]	42.55793	-73.29639	X	X	X	X		X				
W1547	BXB0.9	Buxton Brook	[approximately 700 feet upstream from Main Street, Williamstown]	42.71699	-73.22601	X	X	X			X	X		X	X
W1553	GE0.02	East Branch Green River	[approximately 80 feet from confluence with the Green River, New Ashford (east of Route 7, near the Williamstown border)]	42.62861	-73.22483	X	X	X			X	X		X	X
W1728	GE0.02A	East Branch Green River	[approximately 340 feet upstream of the confluence with the Green River near Roys Road, New Ashford]	42.62798	-73.22503					X					
W1554	GE0.3	East Branch Green River	[approximately 100 feet downstream from Greylock Road, New Ashford]	42.59683	-73.21573					X					
W1130	GN01A	Green River	[approximately 450 feet upstream of Route 2 bridge, Williamstown]	42.70927	-73.19644	X	X	X	X		X	X		X	X
W1128	GNK01	Green River	[Route 43 bridge crossing closest to Scott Hill Road, Williamstown]	42.67641	-73.23044	X	X	X	X		X	X			
W1129	GNK02	Green River	[approximately 150 feet downstream of the East Branch Green River confluence, New Ashford]	42.62919	-73.22486	X	X	X			X	X			X
W1555	GNK3.6	Green River	[approximately 100 feet upstream of Hopper Road, Williamstown]	42.67793	-73.21148	X	X	X	X		X			X	
W1556	HO0.04	Hopper Brook	[approximatley 100 feet upstream from the confluence with the Green River, Williamstown]	42.67786	-73.21037	X	X	X			X			X	
W1729	HO0.04A	Hopper Brook	[Hopper Road, Williamstown]	42.67663	-73.21005							X			

Table 1 (continued). 2007 Sampling sites, descriptions and parametric frequency for Hudson River Watershed Sampling

Unique ID	Station ID	Waterbody	Description	Latitude	Longitude	Nutrients, Color, Turbidity*	Total Suspended Solids	Bacteria	Habitat Assessment	Temperature	Attended Multiprobe**	Deployed Multiprobe	Dissolved Metals	Hardness	Alkalinity
W1593	HR02B	Hoosic River	[approximately 5800 feet downstream of Route 7 bridge, Williamstown (approximately 3800 feet downstream of Hoosac WPCF discharge MA0100510)]	42.73466	-73.21844	X	X	X			X	X	X	X	X
W1127	HR03	Hoosic River	[approximately 1300 feet downstream of Route 7 bridge, Williamstown (approximately 500 feet upstream of Hoosac WPCF discharge MA0100510)]	42.72935	-73.20908	X	X	X			X	X	X	X	X
W0427	HR07	Hoosic River	[upstream at Hodges Cross Road bridge, North Adams.]	42.66508	-73.10397	X	X	X					X	X	X
W0426	HR07A	Hoosic River	[approximately 50 feet upstream of Lime Street bridge, Adams. (downstream of gated storm valve) (approximately 2050 feet upstream of Adams WWTP (MA0100315) discharge)]	42.63946	-73.10863	X	X	X			X		X	X	X
W1598	HR07A.5	Hoosic River	[approximately 100 feet downstream from the confluence of Southwick Brook, north of Lime Street bridge, Adams]	42.64004	-73.10863							X			
W1732	HR07A2	Hoosic River	[approximately 350 feet upstream of Lime Street bridge (approximately 100 feet upstream of gated storm outfalls), Adams]	42.63863	-73.10844						X		X	X	
W1731	HR07B.5	Hoosic River	[approximately 100 feet downstream of Hodges Cross Road bridge, North Adams]	42.66552	-73.10396							X			
W1730	HR07X	Hoosic River	[directly under Hodges Cross Road bridge, North Adams]	42.66519	-73.10399								X	X	
W1738	HR13.06	Hoosic River	[approximately 650 feet upstream from Hodges Cross Road, North Adams]	42.66350	-73.10459						X				
W1739	HR13.15	Hoosic River	[approximately 1200 feet upstream from Hodges Cross Road, North Adams]	42.66223	-73.10417						X				
W1740	HR13.31	Hoosic River	[approximately 2000 feet upstream from Hodges Cross Road, North Adams]	42.66037	-73.10464						X				

Table 1 (continued). 2007 Sampling sites, descriptions and parametric frequency for Hudson River Watershed Sampling

Unique ID	Station ID	Waterbody	Description	Latitude	Longitude	Nutrients, Color, Turbidity*	Total Suspended Solids	Bacteria	Habitat Assessment	Temperature	Attended Multiprobe**	Deployed Multiprobe	Dissolved Metals	Hardness	Alkalinity
W1741	HR15.72	Hoosic River	[approximately 1800 feet upstream of Lime Street (approximately 180 feet downstream of roll dam), Adams]	42.63496	-73.11025						X				
W1742	HR15.79	Hoosic River	[approximately 2200 feet upstream of Lime Street (approximately 200 feet upstream of roll dam), Adams]	42.63423	-73.11122						X				
W1743	HR15.96	Hoosic River	[approximately 400 feet downstream from Cook Street (approximately 460 feet downstream of roll dam), Adams]	42.63196	-73.11278						X				
W1744	HR16.195	Hoosic River	[at footbridge west off Murray Street, Adams]	42.62900	-73.11505			X			X				
W1745	HR16.71	Hoosic River	[Spring Street, Adams]	42.62172	-73.11552						X				
W1746	HR16.895	Hoosic River	[Pleasant Street, Adams]	42.62110	-73.11900						X				
W1549	HR22.8	Hoosic River	[Church Street, Cheshire]	42.56184	-73.15602	X	X	X	X	X	X	X			
W1551	HR6.71	Hoosic River	[approximately 150 feet upstream of Ashton Avenue, North Adams]	42.70301	-73.16777	X	X	X	X		X	X		X	
W1733	HU00	Hudson Brook	[approximately 50 feet upstream from confluence with the North Branch Hoosic River, North Adams]	42.70571	-73.08944									X	
W1119	KB00	Kitchen Brook	[West Mountain Road, Cheshire]	42.56453	-73.17365					X	X	X			
W1557	KDH2.29	Kinderhook Creek	[downstream at Potter Mountain Road, Hancock]	42.54234	-73.31706	X	X	X	X		X	X		X	X
W1548	MB0.68	Miller Brook	[approximately 160 feet downstream from East Road, Adams]	42.62353	-73.10382	X	X	X		X	X	X		X	
W1597	NBH0.17	North Branch Hoosic River	[approximately 360 feet west of Marshall Street, North Adams (approximately 1000 feet upstream from confluence with Hoosic River)]	42.70239	-73.11515	X		X							
W1124	NBH00	North Branch Hoosic River	[Henderson Road, Clarksburg]	42.73458	-73.07087	X	X	X			X	X			X

Table 1 (continued). 2007 Sampling sites, descriptions and parametric frequency for Hudson River Watershed Sampling

Unique ID	Station ID	Waterbody	Description	Latitude	Longitude	Nutrients, Color, Turbidity*	Total Suspended Solids	Bacteria	Habitat Assessment	Temperature	Attended Multiprobe**	Deployed Multiprobe	Dissolved Metals	Hardness	Alkalinity
W1123	NBH02	North Branch Hoosic River	[approximately 550 feet downstream/west of the most westerly Beaver Street (Route 8) bridge crossing in North Adams]	42.70283	-73.09266	X	X	X	X		X				X
W1125	PA01	Paull Brook	[Galvin Road, North Adams]	42.70247	-73.17416	X	X	X			X	X			
W1133	PA01.5	Paull Brook	[Route 2, North Adams]	42.70091	-73.17003	X	X	X							
W1550	SB0.02	Southwick Brook	[approximately 170 feet from confluence with the Hoosic River, north of Lime Street, Adams]	42.63965	-73.10788	X	X	X						X	
W1604	SB0.19	Southwick Brook	[upstream at Davis Road, Adams]	42.63941	-73.10486	X	X	X							
W1118	SB0.5	South Brook	[Wells Road, Cheshire]	42.56297	-73.15136	X	X	X	X		X	X			
W1735	SF01	Broad Brook	[approximately 60 feet downstream from confluence of unnamed tributary receiving Steinerfilm (MAG250958) discharge, Williamstown]	42.73816	-73.21632					X					
W1736	SF02	Broad Brook	[approximately 20 feet upstream from confluence of unnamed tributary receiving Steinerfilm (MAG250958) discharge, Williamstown]	42.73823	-73.21612					X					
W1737	SF03	Unnamed Tributary	[unnamed tributary to Broad Brook approximately 20 feet from Steinerfilm (MAG250958) discharge, Williamstown (tributary not depicted on the 1988 USGS Williamstown quad)]	42.73871	-73.21505					X					
W1122	TB00	Tophet Brook	[East Street, Adams]	42.61555	-73.10402	X	X	X	X		X	X			
Totals						26	25	27	11	10	32	22	6	17	12

* total phosphorous, total nitrogen, ammonia-N, color (apparent and true), turbidity

** includes July 16, 2007 DO investigation

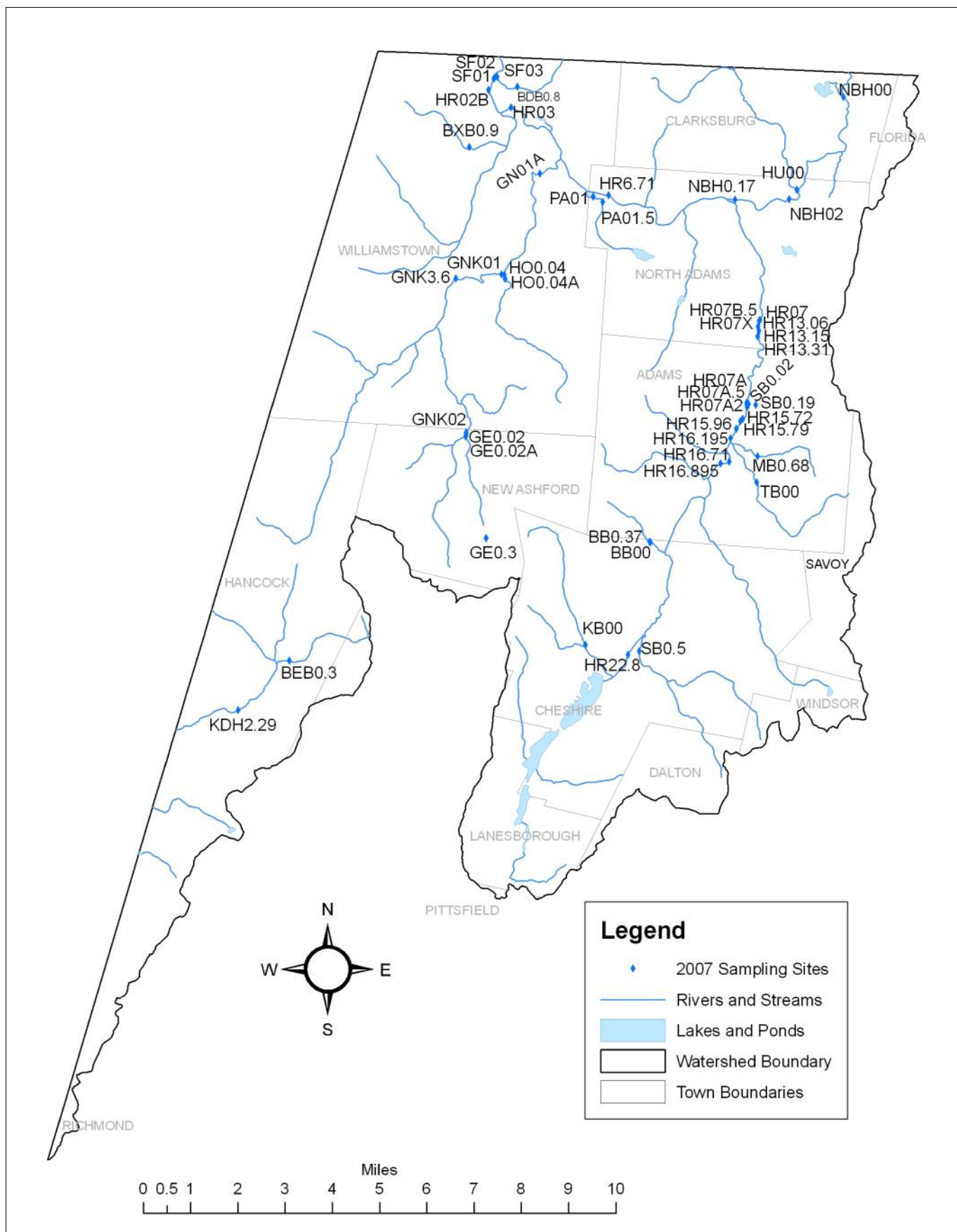


Figure 1. MassDEP DWM 2007 Monitoring Station Locations in the Hudson River Watershed

Field and Analytical Methods

Procedures used for water sampling and sample handling are described in the *Sample Collection Techniques for DWM Surface Water Quality Monitoring* (MassDEP 2004). The Wall Experiment Station (WES) in Lawrence, MA supplied all sample bottles and field preservatives, which were prepared according to the *WES Laboratory Quality Assurance Plan and Standard Operating Procedures* (MassDEP 2001). Procedures for multi-probe calibration and deployment are described in *Water Quality Multi-probe Data Collection* (MassDEP 2005b) and *Multi-probe Sonde Deployments for Continuous Unattended Water Quality Collection* (MassDEP 2007b).

Wade-in grab samples were collected and sent to Wall Experiment Station (WES) in Lawrence, MA where they were analyzed for low-level total phosphorus (TP), total nitrogen (TN), ammonia as nitrogen (NH₃-N), alkalinity and total suspended solids (TSS). *E. coli* bacteria samples were analyzed at Test America Laboratories Inc. in Westfield, MA. *In-situ* parameters measured using a multi-probe included dissolved oxygen, percent saturation, pH, conductivity, temperature, and total dissolved solids. Hardness, apparent color, true color and turbidity were analyzed at the DWM laboratory in Worcester, MA.

Concurrent with the collection of water quality samples, site characteristics and sampling conditions were recorded on DWM field sheets. Riparian vegetation, observed uses, potential pollution sources, the presence/absence of objectionable deposits (trash, debris and scum), the extent of periphyton/algae/aquatic plant growth within the sampling reach, and sampling conditions were all noted at each station (Table 2).

Quality Assurance and Quality Control

Monitoring data collected as part of the 2007 Hudson River Watershed sampling project has generally met the specific programmatic data quality objectives (DQOs) outlined in the applicable quality assurance project plan (MassDEP 2005a) or has met data validation criteria sufficient for publication. Quality assurance for watershed monitoring by the DWM is provided to ensure implementation of an effective and efficient sampling design, and to provide data to meet specific data quality objectives.

DWM quality assurance and database management staff reviewed lab data reports and all multi-probe data. The data were validated and finalized per appropriate data validation procedures. Detailed data validation procedures for laboratory data, attended multi-probe data and unattended multi-probe data were conducted using appropriate procedures (MassDEP 2012a, MassDEP 2012b, MassDEP 2012c). A complete summary of the review process for all 2007 DWM data is provided in the *Water Quality Data Validation Report for Year 2007 Project Data* (MassDEP 2012d). Appendix 1 of this technical memorandum contains definitions for all data qualifiers (MassDEP 2012d).

Station Observations

Station observations were recorded on field sheets for each survey by a DWM investigator and are summarized below in Table 2 for each DWM sampling event (MassDEP 2008).

Table 2. 2007 Field observations from MassDEP DWM Hudson River Watershed surveys. Note: If multiple types of periphyton were observed, the highest observed density is used in this table. S=sparse (0-25%), M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NR=not recorded

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W0426	4/24/2007	1114	Flowing	N	Moderately Turbid	Light Yellow/Tan	No		No		N	N	N	N	N
W0426	5/29/2007	1125	Flowing	N	Clear	Clear	No		No		N	M	S	NR	NR
W0426	6/26/2007	1149	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W0426	7/18/2007	1310	Flowing	Raw sewage	Slightly Turbid	Clear	No		Yes	Trash (one bicycle)	N	N	N	N	N
W0426	8/7/2007	1143	Flowing	N	Clear	Clear	Yes	Foam (natural)	No		N	M	S	NR	NR
W0426	9/11/2007	1145	Flowing	NR	Highly Turbid	Brownish	Yes	Other (brown solids and foam, floating apples)	No		U	U	U	U	U
W0426	9/27/2007	1124	Flowing	N	Clear	Clear	No		No		N	D	NR	NR	NR
W0427	4/24/2007	1138	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W0427	5/29/2007	1153	Flowing	Effluent treated	Slightly Turbid	Clear	No		Yes	Trash (miminal)	N	N	N	N	N
W0427	6/26/2007	1215	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W0427	7/16/2007	1500	Flowing	Musty (Basement)	Slightly Turbid	Clear	Yes	Foam (believed to be natural)	No		N	NR	NR	NR	NR
W0427	8/7/2007	1209	Flowing	N effluent in air	Clear	Clear	Yes	Foam (minimal)	No		N	NR	S	NR	NR
W0427	8/22/2007	1330	Flowing	N	Clear	Clear	Yes	Foam (foam appears natural)	No		N	NR	M	NR	NR
W0427	9/11/2007	1213	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W0427	9/18/2007	1315	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W0427	9/27/2007	1142	Flowing	N	Clear	Clear	No		No		N	M	NR	NR	NR
W1118	4/24/2007	943	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1118	5/29/2007	957	Flowing	NR	Clear	Clear	No		No		N	VD	NR	NR	NR
W1118	6/26/2007	1045	Flowing	N	Clear	Clear	No		No		S	NR	VD	NR	NR

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1118	8/7/2007	1008	Flowing	N	Clear	Clear	No		No		N	M	M	NR	NR
W1118	9/11/2007	1035	Flowing	N	Clear	Clear	No		No		N	M	NR	NR	NR
W1118	9/27/2007	1026	Flowing	N	Clear	Clear	No		No		N	VD	NR	NR	NR
W1118	5/25/2007	1054	NR	NR	NR	NR	Not Applicable - Probe Deploy Field Sheet								
W1118	6/22/2007	1151	Flowing	N	Clear	Clear									
W1118	8/3/2007	1100	Flowing	N	Clear	Clear									
W1118	9/7/2007	1106	Flowing	N	Clear	Clear									
W1119	8/3/2007	1021	Flowing	N	Clear	Clear	No		Yes	Trash (from road)	N	NR	NR	NR	M
W1119	8/8/2007	1000	Flowing	N	Clear	Clear	No		No		N	NR	S	NR	NR
W1119	5/25/2007	953	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1119	6/22/2007	1040	Flowing	N	Clear	Clear									
W1119	6/27/2007	1340	Flowing	N	Clear	Clear									
W1119	9/7/2007	1008	Flowing	N	Clear	Clear									
W1122	4/24/2007	1011	Flowing	N	Highly Turbid	Greenish	No		No		N	U	U	U	U
W1122	5/25/2007	1111	Flowing	Musty (Basement)	Clear	Clear	No		No		N	N	N	N	N
W1122	5/29/2007	1035	Flowing	N	Clear	Clear	No		Yes	trash; minimal impact but one metal bar and metal sign in water, dumping on land still problem	N	NR	NR	NR	S
W1122	5/30/2007	1109	Flowing	N	Clear	Clear	No		Yes	Trash (some minimal trash amounts in stream (road sign, DAP adhesive))	N	NR	NR	NR	S
W1122	6/26/2007	1110	Flowing	N	Clear	Clear	No		Yes	Trash (some trash on banks, a few items in stream)	N	N	N	N	N
W1122	8/3/2007	1122	Flowing	N	Clear	Light Yellow/Tan	No		Yes	Trash (steel, plastic, etc. Not major)	N	NR	NR	NR	S
W1122	8/7/2007	1035	Flowing	N	Clear	Clear	No		Yes	Trash (mostly on bank)	N	NR	S	NR	S
W1122	8/8/2007	1132	Flowing	N	Slightly Turbid	Brownish	No		Yes	Trash; definite dumping area - a toilet and other urban waste but not sufficient to impair uses	U	NR	S	NR	S
W1122	9/7/2007	1134	Flowing	N	Clear	Clear	No		Yes	Trash (minor)	N	NR	M	NR	S

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1122	9/11/2007	1058	Flowing	NR	Highly Turbid	Brownish	Yes	Foam (appears natural)	Yes	Trash (minimal trash)	U	U	U	U	U
W1122	9/14/2007	1102	Flowing	N	Clear	Light Yellow/Tan	No		Yes	Trash	N	NR	S	NR	S
W1122	9/27/2007	1046	Flowing	Musty (Basement)	Clear	Clear	No		Yes	Trash (minimal)	N	NR	NR	M	NR
W1122	6/22/2007	1220	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1123	4/24/2007	1205	Flowing	N	Highly Turbid	Greenish	No		Yes	trash; trash on banks, N observed in stream	U	U	U	U	U
W1123	5/29/2007	1227	Flowing	N	Moderately Turbid	Clear	No		Yes	Trash (minimal some cinder blocks, trash dumping on banks)	N	NR	NR	VD	NR
W1123	6/26/2007	1230	Flowing	N	Moderately Turbid	Clear	No		Yes	Trash	N	NR	NR	VD	NR
W1123	8/7/2007	1230	Flowing	N	Highly Turbid	Greenish	Yes	Foam (likely natural)	Yes	minimal	N	NR	NR	VD	NR
W1123	9/11/2007	1243	Flowing	NR	Highly Turbid	Brownish	Yes	other; foams/coarse woody debris, apples, etc	No		U	U	U	U	U
W1123	9/27/2007	1201	Flowing	Musty (Basement)	Slightly Turbid	Greenish	No		Yes	Trash (minimal)	N	NR	D	VD	NR
W1124	4/24/2007	925	Flowing	N	Highly Turbid	Greyish/greenish	No		No		U	U	U	U	U
W1124	5/29/2007	1035	Flowing	N	Clear	Clear	No		Yes	Trash	N	NR	S	S	S
W1124	6/26/2007	1040	Flowing	Musty (Basement)	Clear	Clear	No		No		N	D	D	NR	NR
W1124	8/7/2007	1025	Flowing	N	Clear	Light Yellow/Tan	No		Yes	Trash (minor)	N	NR	M	NR	NR
W1124	9/11/2007	1048	Flowing	N	Moderately Turbid	Dark Tan	No		No		U	U	U	U	U
W1124	9/27/2007	1045	Flowing	Musty (Basement)	Slightly Turbid	Clear	No		No		N	NR	M	NR	NR
W1124	5/25/2007	1329	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1124	6/22/2007	1439	Flowing	N	Clear	Light Yellow/Tan									
W1124	8/3/2007	1310	Flowing	N	Clear	Clear									
W1124	9/7/2007	1320	Flowing	N	Clear	Clear									
W1125	4/24/2007	1040	Flowing	N	Slightly Turbid	Clear	No		No		N	N	N	N	N
W1125	5/29/2007	1135	Flowing	N	Slightly Turbid	Clear	No		Yes	Trash	N	NR	NR	S	NR

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1125	6/26/2007	1138	Flowing	Musty (Basement)	Clear	Clear	No		Yes	Trash	N	N	N	N	N
W1125	8/7/2007	1105	No Water	NR	NR	NR	NR		NR		NR	NR	NR	NR	NR
W1125	9/7/2007	1417	No Water	NR	NR	NR	Un-Observable		Yes	trash; minimal	N	NR	NR	NR	NR
W1125	9/11/2007	1201	Flowing	Musty (Basement)	Highly Turbid	Un-Observable	No		No		U	U	U	U	U
W1125	9/14/2007	1350	Flowing	N	Clear	Clear	No		Yes	trash; metal debris (horseshoe and chrome bumper etc.)	N	N	N	N	N
W1125	9/27/2007	1130	No Water	NR	NR	NR	NR		NR		NR	NR	NR	NR	NR
W1125	5/25/2007	1438	Flowing	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet								
W1125	6/22/2007	1540	Flowing	N	Slightly Turbid	Brownish									
W1125	8/3/2007	1430	No Water	NR	NR	NR									
W1127	4/24/2007	1130	Flowing	N	Highly Turbid	brownish/green	No		Yes	trash (slight amount)	U	U	U	U	U
W1127	5/25/2007	1128	Flowing	N	Slightly Turbid	Clear	No		No		S	NR	M	NR	NR
W1127	5/29/2007	1220	Flowing	N	Slightly Turbid	Clear	No		Yes	Trash	N	NR	NR	M	NR
W1127	5/30/2007	1048	Flowing	N	Clear	Clear	No		No		N	S	M	NR	NR
W1127	6/26/2007	1206	Flowing	Fishy	Slightly Turbid	Clear	No		Yes	Trash	U	D	D	D	NR
W1127	7/18/2007	1513	Flowing	N	Highly Turbid	Greenish	Yes	Foam (foam appears natural)	No		U	U	U	U	U
W1127	8/7/2007	1142	Flowing	Effluent treated	Slightly Turbid	Greyish	No		Yes	Trash; minor fishing gear	N	S	VD	NR	NR
W1127	9/11/2007	1230	Flowing	Musty (Basement)	Highly turbid/murky	Un-Observable	No		No		U	U	U	U	U
W1127	9/27/2007	1158	Flowing	Musty (Basement)	Clear	Clear	No		No		N	VD	VD	NR	NR
W1127	6/22/2007	1135	Flowing	N	Slightly Turbid	Greyish	Not Applicable - Probe Deploy Field Sheet								
W1127	8/3/2007	1045	Flowing	N	Clear	Clear									
W1127	9/7/2007	1139	Flowing	N	Clear	Clear									
W1128	4/24/2007	1112	Flowing	N	Slightly Turbid	Greyish	No		No		N	N	N	N	N
W1128	5/29/2007	1158	Flowing	N	Slightly Turbid	Clear	No		Yes	Trash (limited amount)	N	NR	S	NR	NR
W1128	6/26/2007	1158	Flowing	Fishy	Slightly Turbid	Light Yellow/Tan	No		Yes	Trash (paper, cups)	NR	D	D	NR	D

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1128	8/7/2007	1116	Flowing	N	Clear	Clear	No		No		N	S	NR	NR	NR
W1128	9/11/2007	1110	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1128	9/27/2007	1120	Flowing	N	Clear	Clear	No		No		N	D	NR	NR	NR
W1128	5/25/2007	1353	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1128	6/22/2007	1300	Flowing	N	Clear	greenish									
W1128	8/3/2007	1250	Flowing	N	Clear	Clear									
W1128	9/7/2007	1332	Flowing	N	Clear	Clear									
W1129	4/24/2007	1032	Flowing	N	Clear	Greyish	No		No		N	N	N	N	N
W1129	5/29/2007	1111	Flowing	N	Clear	Clear	No		Yes	Trash (tarp)	N	S	S	NR	S
W1129	6/26/2007	1125	Flowing	N	Clear	Clear	No		No		NR	NR	S	NR	NR
W1129	8/7/2007	1044	Flowing	N	Clear	Clear	No		No		N	S	S	NR	NR
W1129	9/11/2007	1135	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1129	9/27/2007	1103	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1129	5/25/2007	1420	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1129	6/22/2007	1340	Flowing	N	Clear	Clear									
W1129	8/3/2007	1332	Flowing	N	Clear	Clear									
W1129	9/7/2007	1416	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1130	4/24/2007	1220	Flowing	N	Slightly Turbid	Greyish	No		No		U	U	U	U	U
W1130	5/29/2007	1310	Flowing	N	Slightly Turbid	Clear	No		No		N	M	D	NR	S
W1130	6/26/2007	1231	Flowing	Musty (Basement)	Clear	Clear	No		No		NR	M	VD	NR	NR
W1130	8/7/2007	1204	Flowing	N	Clear	Clear	No		No		N	M	NR	NR	NR
W1130	9/11/2007	1040	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1130	9/27/2007	1147	Flowing	N	Clear	Clear	No		No		N	M	NR	NR	NR
W1130	5/25/2007	1257	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1130	6/22/2007	1220	Flowing	N	Clear	Clear									
W1130	8/3/2007	1130	Flowing	N	Clear	Clear									
W1130	9/7/2007	1228	Flowing	N	Clear	Clear									
W1133	8/7/2007	1235	Flowing	N	Clear	Clear	No		Yes	Trash (minor amount for	N	NR	M	NR	NR

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
										large road crossing)					
W1133	9/27/2007	1133	**Not Recorded	N	Clear	Clear	No		No		NR	N	N	N	N
W1547	4/24/2007	1106	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1547	5/29/2007	1155	Flowing	N	Clear	Clear	No		No		N	NR	NR	NR	S
W1547	6/26/2007	1155	Flowing	N	Clear	Clear	No		Yes	Trash	N	NR	NR	NR	S
W1547	8/7/2007	1120	Flowing	N	Clear	Clear	No		No		N	NR	S	NR	NR
W1547	9/11/2007	1215	Flowing	Musty (Basement)	Highly turbid/murky	Brownish	No		No		U	U	U	U	U
W1547	9/27/2007	1145	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1547	5/25/2007	1203	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1547	6/22/2007	1200	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1547	8/3/2007	1108	Flowing	N	Clear	Clear									
W1547	9/7/2007	1204	Flowing	N	Clear	Clear									
W1548	4/24/2007	1037	Flowing	N	Slightly Turbid	Greenish	No		No		N	N	N	N	N
W1548	5/29/2007	1054	Flowing	N	Clear	Clear	No		No		N	NR	NR	NR	S
W1548	6/26/2007	1126	Flowing	N	Slightly Turbid	Clear	No		No		N	NR	S	NR	M
W1548	8/7/2007	1055	Flowing	N	Clear	Clear	No		Yes	Trash (minimal downstream)	N	NR	NR	NR	S
W1548	9/11/2007	1119	Flowing	NR	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1548	9/27/2007	1055	Flowing	N	Clear	Clear	No		Yes	Trash (minimal trash)	N	NR	NR	NR	S
W1548	5/25/2007	1148	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1548	6/22/2007	1301	Flowing	N	Clear	Clear									
W1548	6/27/2007	1140	Flowing	N	Clear	Clear									
W1548	8/3/2007	1140	Flowing	N	Clear	Clear									
W1548	9/7/2007	1152	Flowing	N	Clear	Clear									
W1549	4/24/2007	919	Flowing	N	Slightly Turbid	Greyish	No		No		N	N	N	N	N
W1549	5/29/2007	945	Flowing	N	Clear	Clear	No		No		N	N	N	N	N

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1549	6/26/2007	1035	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1549	8/7/2007	955	Flowing	Musty (Basement)	Clear	Clear	No		No		N	M	NR	NR	NR
W1549	9/11/2007	1017	Flowing	N	Clear	Clear	No		No		N	NR	M	NR	NR
W1549	9/27/2007	1018	Flowing	N	Clear	Clear	No		No		N	M	NR	NR	NR
W1549	5/25/2007	1029	Flowing	Rotting vegetables	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1549	6/22/2007	1137	Flowing	N	Clear	Clear									
W1549	6/27/2007	1316	Flowing	N	Clear	Clear									
W1549	8/3/2007	1046	Flowing	N	Clear	Clear									
W1549	9/7/2007	1047	Flowing	N	Clear	Clear									
W1550	4/24/2007	1058	Flowing	NR	Slightly Turbid	Light Yellow/Tan	No		No		N	N	N	N	N
W1550	5/29/2007	1107	Flowing	N	Clear	Clear	No		NR		N	VD	NR	NR	NR
W1550	6/26/2007	1143	Flowing	N	Clear	Clear	No		Yes	Other (silt on rocks)	N	NR	NR	VD	NR
W1550	8/7/2007	1110	No Water	NR	NR	NR	NR		NR		NR	NR	NR	NR	NR
W1550	9/11/2007	1138	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1550	9/27/2007	1121	No Water	NR	NR	NR	NR		NR		NR	NR	NR	NR	NR
W1551	4/24/2007	1015	Flowing	N	Highly Turbid	Brownish	No		Yes	trash; slight amount	U	U	U	U	U
W1551	5/29/2007	1120	Flowing	N	Clear	Clear	No		No		N	M	M	NR	NR
W1551	6/26/2007	1125	Flowing	Fishy	Slightly Turbid	Clear	No		Yes	Trash	N	D	D	NR	NR
W1551	8/7/2007	1058	Flowing	Effluent treated	Slightly Turbid	Greyish	No		Yes	Trash (minor)	N	NR	D	NR	NR
W1551	9/11/2007	1140	Flowing	Musty (Basement)	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1551	9/27/2007	1116	Flowing	Musty (Basement)	Slightly Turbid	Clear	No		No		NR	NR	VD	NR	NR
W1551	5/25/2007	1418	Flowing	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet								
W1551	6/22/2007	1519	Flowing	N	Slightly Turbid	Greyish									
W1551	8/3/2007	1400	Flowing	N	Clear	Greyish									
W1551	9/7/2007	1357	Flowing	N	Clear	Clear									
W1552	4/24/2007	1223	Flowing	N	Slightly Turbid	Brownish	No		No		N	N	N	N	N

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1552	5/29/2007	1247	Flowing	N	Clear	Clear	No		Yes	Trash	N	D	S	NR	NR
W1552	6/26/2007	1230	Flowing	N	Slightly Turbid	Clear	No		Yes	Trash	N	D	NR	D	NR
W1552	8/7/2007	1208	Flowing	N	Clear	Clear	No		Yes	Trash	N	NR	M	NR	NR
W1552	9/11/2007	1258	Flowing	Musty (Basement)	Highly turbid/murky	Un-Observable	No		No		U	U	U	U	U
W1552	9/27/2007	1215	Flowing	Musty (Basement)	Clear	Clear	No		No		N	M	S	NR	NR
W1552	5/25/2007	1017	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1552	6/22/2007	1033	Flowing	N	Clear	Clear									
W1552	6/27/2007	1455	Flowing	Musty (Basement)	Clear	Light Yellow/Tan									
W1552	8/3/2007	940	Flowing	N	Clear	Clear									
W1552	9/7/2007	1027	Flowing	N	Clear	Clear									
W1553	4/24/2007	1048	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1553	5/29/2007	1128	Flowing	N	Clear	Clear	No		No		N	S	NR	NR	S
W1553	5/30/2007	1310	Flowing	N	Clear	Clear	No		No		N	NR	S	NR	NR
W1553	6/26/2007	1131	Flowing	Musty (Basement)	Clear	Clear	No		No		S	NR	NR	NR	S
W1553	8/7/2007	1056	Flowing	N	Clear	Clear	No		No		N	NR	S	NR	NR
W1553	9/11/2007	1134	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1553	9/27/2007	1056	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1553	6/22/2007	1335	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1553	8/3/2007	1337	Flowing	N	Clear	Clear									
W1553	9/7/2007	1403	Flowing	N	Clear	Clear									
W1554	6/27/2007	1542	Flowing	N	Clear	Clear									
W1555	4/24/2007	1138	Flowing	N	Slightly Turbid	Greyish	No		No		N	N	N	N	N
W1555	5/29/2007	1217	Flowing	N	Clear	Clear	No		No		N	S	S	NR	NR
W1555	6/26/2007	1205	Flowing	Fishy	Clear	Clear	No		No		NR	M	D	NR	D
W1555	8/7/2007	1130	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1555	9/11/2007	1054	Flowing	N	Highly Turbid	Brownish	No		Un-Observeable		U	U	U	U	U

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1555	9/27/2007	1136	Flowing	N	Clear	Clear	No		No		N	S	NR	NR	NR
W1556	4/24/2007	1152	Flowing	N	Slightly Turbid	Greyish	No		No		U	U	U	U	U
W1556	5/29/2007	1235	Flowing	N	Slightly Turbid	Clear	No		No		N	S	NR	NR	NR
W1556	5/30/2007	1220	Flowing	N	Clear	Clear	No		No		N	NR	S	NR	NR
W1556	6/26/2007	1212	Flowing	Fishy	Slightly Turbid	Clear	No		No		NR	S	VD	NR	S
W1556	8/7/2007	1143	Flowing	N	Clear	Clear	No		No		N	NR	NR	NR	S
W1556	8/13/2007	1500	Flowing	Raw sewage Other (cow droppings)	Highly Turbid	Greyish	No		No		U	N	N	N	N
W1556	9/11/2007	1300	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1556	9/27/2007	1129	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1557	4/24/2007	942	Flowing	N	Clear	Greyish	No		No		N	N	N	N	N
W1557	5/25/2007	1507	Flowing	N	Clear	Clear	No		No		S	NR	S	NR	S
W1557	5/29/2007	1038	Flowing	N	Clear	Clear	No		No		N	S	D	NR	NR
W1557	5/30/2007	1350	Flowing	N	Clear	Clear	No		No		N	NR	S	NR	NR
W1557	6/26/2007	1058	Flowing	N	Clear	Clear	No		No		NR	NR	M	NR	S
W1557	8/7/2007	1019	Flowing	N	Clear	Clear	No		No		N	M	NR	NR	S
W1557	9/7/2007	1445	Flowing	N	Clear	Clear	No		No		N	S	M	NR	S
W1557	9/11/2007	1205	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1557	9/14/2007	1320	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1557	9/27/2007	1030	Flowing	N	Clear	Clear	No		No		N	M	NR	NR	NR
W1557	6/22/2007	1424	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1557	8/3/2007	1407	Flowing	N	Clear	Clear									
W1558	6/27/2007	1213	Flowing	N	Clear	Clear									
W1591	4/24/2007	926	Flowing	N	Clear	Greyish	No		No		N	N	N	N	N
W1591	5/25/2007	1525	Flowing	N	Clear	Clear	No		No		N	NR	S	NR	NR
W1591	5/29/2007	1000	Flowing	N	Clear	Clear	No		Yes	Trash (some styrofoam, geo-tech style cloth fallen in)	N	S	S	NR	S
W1591	5/30/2007	1408	Flowing	N	Clear	Clear	No		No		N	NR	S	NR	NR

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1591	6/22/2007	1440	Flowing	N	Clear	Clear	No		Yes	trash; Geo-tech stabilization cloth exposed on banks	N	M	NR	NR	NR
W1591	6/26/2007	1034	Flowing	N	Clear	Clear	No		No		NR	M	M	NR	D
W1591	6/27/2007	1420	Flowing	N	Clear	Clear	No		Yes	Other (old silt fence)	S	NR	M	NR	NR
W1591	8/3/2007	1427	Flowing	N	Clear	Clear	No		No		N	NR	D	NR	M
W1591	8/7/2007	1003	Flowing	N	Clear	Clear	No		No		N	S	M	NR	S
W1591	8/8/2007	1428	Flowing	N	Highly Turbid	Un-Observable	No		No		U	U	U	U	U
W1591	9/7/2007	1500	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1591	9/11/2007	1219	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1591	9/14/2007	1335	Flowing	N	Clear	Clear	No		No		N	NR	S	NR	S
W1591	9/27/2007	1041	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1593	4/24/2007	1153	Flowing	N	Highly Turbid	Brownish	No		No		U	U	U	U	U
W1593	5/29/2007	1232	Flowing	Musty (Basement)	Slightly Turbid	Clear	No		No		N	M	NR	S	NR
W1593	6/26/2007	1218	Flowing	Fishy	Moderately Turbid	Clear	Yes	Pollen/dust blankets (little pollen and bubbles)	No		N	D	NR	NR	NR
W1593	7/18/2007	1435	Flowing	Effluent(treated)	Highly Turbid	Clear	Yes	Foam (foam appears natural)	No		U	U	U	U	U
W1593	8/7/2007	1155	Flowing	Effluent treated (more), Musty(basement) less.	Slightly Turbid	Greyish	No		No		N	VD	NR	NR	NR
W1593	9/11/2007	1243	Flowing	Musty (Basement)	Highly turbid/murky	Un-Observable	No		No		U	U	U	U	U
W1593	9/27/2007	1204	Flowing	Musty (Basement) Rotting Vegetables	Moderately Turbid	Light Yellow/Tan	No		No		N	VD	VD	NR	NR
W1593	5/25/2007	1059	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1593	6/22/2007	1100	Flowing	N	Slightly Turbid	Greyish	Not Applicable - Probe Deploy Field Sheet								
W1593	8/3/2007	1012	Flowing	N	Clear	Clear									
W1593	9/7/2007	1111	Flowing	N	Clear	Clear									
W1597	5/29/2007	1058	Flowing	N	Clear	Clear									
W1597	6/26/2007	1115	Flowing	N	Slightly Turbid	Clear	No		No		N	NR	M	NR	NR
W1597	8/7/2007	1045	Flowing	Effluent treated	Slightly Turbid	Greyish	No		Yes	Trash	N	S	NR	NR	NR
W1597	8/21/2007	1201	Flowing	N	Clear	Clear	No		Yes	Trash	N	N	N	N	N
W1597	9/11/2007	1110	Flowing	Musty (Basement)	Highly Turbid	Brownish	No		Yes	Other (wall falling into chutes)	N	N	N	N	N
W1597	9/27/2007	1105	Flowing	Musty (Basement)	Slightly Turbid	Light Yellow/Tan	No		No		U	U	U	U	U
W1598	7/16/2007	1400	Flowing	N	Clear	Clear	No		No		N	NR	VD	NR	NR
W1598	5/25/2007	1215	Flowing	N	Clear	Clear	Yes	Foam (lots of bubbles)	No		N	NR	S	NR	NR
W1598	6/22/2007	1328	Flowing	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet								
W1598	8/3/2007	1206	Flowing	N	Clear	Clear									
W1598	9/7/2007	1216	Flowing	N	Clear	Clear									
W1604	8/7/2007	1112	Flowing	N	Clear	Clear									
W1604	9/27/2007	1134	Flowing	N	Clear	Clear	No		Yes	Trash (metal scrap, minimal downstream)	N	NR	NR	NR	S
W1728	6/27/2007	1417	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1729	5/25/2007	1325	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1729	6/22/2007	1241	Flowing	N	Clear	Clear	No		No		N	M	S	NR	NR
W1729	8/3/2007	1203	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1729	9/7/2007	1308	Flowing	N	Clear	Clear									
W1730	7/18/2007	1350	Flowing	N	Clear	Clear									
W1731	5/25/2007	1250	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1731	6/22/2007	1400	Flowing	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet								
W1731	8/3/2007	1234	Flowing	N	Clear	Clear									
W1731	9/7/2007	1243	Flowing	N	Clear	Clear									
W1732	8/22/2007	1300	Flowing	N	Clear	Clear									
W1732	9/18/2007	1240	Flowing	N	Clear	Clear	Yes	Foam, Other (grass clippings, DPW currently weed wacking swales)	Yes	Other (grass clippings)	N	M	NR	NR	NR
W1733	5/29/2007	1240	Flowing	N	Clear	Clear	No		No		N	NR	M	NR	NR
W1733	6/26/2007	1243	Flowing	N	Clear	Clear	No		No		N	N	N	N	N
W1734	8/3/2007	1518	Flowing	N	Clear	Clear	No		No		N	NR	M	NR	NR
W1735	7/9/2007	1253	Flowing	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet								
W1736	7/9/2007	1327	Flowing	N	Clear	Clear									
W1737	7/9/2007	1422	Flowing	N	Clear	Clear									
W1738	7/16/2007	1527	Flowing	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet								

Unique ID	DATE	Time	Flow Status	Odor	Water Clarity	Color	Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Areal Density				
											Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss
W1739	7/16/2007	1552	Flowing	N	Slightly Turbid	Clear	Yes	Other (note: CPOM) coarse particulate organic matter	No		N	NR	NR	NR	NR
W1740	7/16/2007	1620	Flowing	Musty (Basement)	Slightly Turbid	Clear	Yes	Foam (small amount)	NR		NR	NR	NR	NR	NR
W1741	7/16/2007	1340	Flowing	N	Clear	Clear	Yes	Foam	No		N	N	N	N	N
W1742	7/16/2007	1220	Flowing	N	Clear	Clear	Yes	Foam (foam from upstream roll dam)	No		N	S	NR	NR	NR
W1743	7/16/2007	1312	Flowing	N	Clear	Clear	Yes	Foam (natural bubble foam)	No		N	S	NR	NR	NR
W1744	7/16/2007	1128	Flowing	N	Clear	Clear	Yes	Foam; foam believed natural from upstream roll dam	Yes	Trash; minimal trash	N	S	NR	NR	NR
W1744	8/21/2007	1224	Flowing	N	Clear	Clear	Yes	Foam (foam from roll dam upstream)	No		N	U	U	U	U
W1744	9/27/2007	1106	Flowing	N	Clear	Clear	Yes	Foam (foam from upstream roll dam)	Yes	Trash (minimal trash)	N	U	U	U	U
W1745	7/16/2007	1052	Flowing	N	Clear	Clear	Yes	Foam (foam from upstream roll dam)	No		N	U	U	U	U
W1746	7/16/2007	1020	Flowing	NR	Clear	Clear	Yes	Foam (foam believed to be natural)	No		N	S	NR	NR	NR
W1746	9/14/2007	1040	Flowing	N	Clear	Light Yellow/Tan	Yes	Foam (foam bubbles appears natural)	No	concrete chute	N	M	NR	NR	NR
							No		No		N	S	NR	NR	NR

Sampling Issues and Coordinator Notes

Some field sheet observations are qualitative and subject to the interpretation of individual sampling crew members; particularly observations of light trash and foam noted on many field sheets. These observations, though accurate, are literal interpretations of the fieldsheet categories and are not indicative of levels of objectionable deposits or foam severe enough to impair the Aesthetics uses of the majority of these waters.

During the September 11th sampling event heavy rain fell throughout the sampling day. A flood warning was issued for the Hoosic River. The North Branch Hoosic River was at “bank full” condition during sampling on September 11th. Very high sediment loads were noticed and measured at the sampling sites for this day. The storm bypass gates near Station HR07A were activated. Many of the bacteria samples collected on this day had confluent growth which made it impossible to quantify the *E. coli* bacteria. Inadequate dilution by the laboratory may be the cause of this issue. Extremely turbid samples like those collected on September 11th, may be better analyzed using the Colilert system instead of membrane filtration. It should also be noted that each crew’s bacteria blank also showed *E. coli* contamination either due to field or lab error. Due to the extraordinary weather and flow conditions and no reliable bacteria data available from September 11th, an additional bacteria sampling survey was conducted on September 27th.

The July 16th dissolved oxygen investigation did not elucidate any spatial patterns in dissolved oxygen concentrations. Dissolved oxygen concentrations were generally uniform throughout the reach of the Hoosic River sampled.

Unattended multi-probes deployed on September 7th could not be retrieved until September 14th due to high flows. It should be noted that many of the probes were inadequately secured. It is unlikely our current method of securing the probes with cinder blocks would have worked during the September flood given the fact that a large boulder landed on one of the probes. Many of the probes deployed throughout the summer moved during deployment. Unattended probes should be secured to the stream bed at a minimum with cinder blocks in all future deployments in this watershed given its highly flashy nature.

On October 4th a strong sewage smell was noted in the water at Station HR6.71 (Aston Ave. canoe launch) during a habitat evaluation. Observed conditions were relayed to the bacteria source tracking program at the Western Regional Office (WERO) of the MassDEP. Subsequently WERO bacteria source tracking crews found a discharge of raw sewage upstream of Station HR6.71 at the Versaille Avenue outfall of the North Adams stormwater system. WERO crews documented conditions and contacted North Adams officials. It was discovered that a sewage system pump had failed causing sewage to back up into a storm outfall and then surcharge into the river. For complete details on this sewage overflow see *2007 Western Region Bacteria Source Tracking Project* (Kurpaska and Poach 2008). Pump operation was restored by North Adams officials and the overflow ceased to discharge untreated sewage.

Given the high flows, due to snow melt, and low water temperatures in this watershed in spring, bacteria sampling should not begin until mid-May. The five sampling dates for bacteria should be conducted between mid May and October 15th in order to sample during safer sampling conditions as well as the most representative and realistic recreational contact conditions.

Survey Conditions

Stream discharge and precipitation information was collected and analyzed to determine hydrologic conditions leading up to and during the water quality sampling events. Precipitation data collected during the survey period in 2007 were downloaded from the National Oceanic and Atmospheric Administration (NOAA), National Climatic Data Center (NCDC) for the North Adams Harriman Airport weather station (NOAA 2012a). The precipitation totals on the water quality survey dates and the five days prior to the survey dates were extracted from the retrieved records. In addition, the Harriman Airport weather station's monthly precipitation totals for 2007 and the monthly average of total precipitation for the period 1981 to 2010 were downloaded to determine if precipitation amounts in 2007 were above or below normal (NOAA 2012b) (Table 3).

Stream discharge data from the Hoosic River at Adams (01331500), the Hoosic River near Williamstown (01332500) and the Green River at Williamstown (01333000) were downloaded from the USGS. (Table 4) (USGS 2012a). In addition, the 7Q10 for each gage station was calculated using USGS StreamStats (Table 4). The entire period of record for each USGS gage station was downloaded and the average daily discharge values on the water quality survey dates and the five days prior to the survey dates were extracted from these records. The percent of time that the average daily discharge on the extracted dates were equaled or exceeded during the entire period of record for the gage was calculated to put the discharge value into historical perspective. The precipitation and discharge data are summarized and presented in Table 5.

Table 3. Total monthly precipitation in 2007 and monthly average precipitation for 1981 to 2010 at the North Adams Harriman Airport weather station (NOAA 2012a).

Month	Harriman Airport 2007 Monthly Total Precipitation (in)	Harriman Airport Monthly Average Precipitation (1981-2010) (in.)	Harriman Airport 2007 Monthly Precipitation as Percent of Monthly Average Precipitation (1981-2010)
January	3.34	2.66	126%
February	1.69	2.57	66%
March	3.44	3.55	97%
April	5.04	3.83	132%
May	3.81	4.11	93%
June	3.33	4.96	67%
July	4.96	4.55	109%
August	2.3	4.19	55%
September	4.82	4.11	117%
October	5.04	4.74	106%
November	3.46	3.96	87%
December	3.91	3.38	116%

Table 4. USGS gage stations used to estimate the hydrological conditions in the Hudson River Watershed during the 2007 DWM water quality surveys and the estimated 7Q10 flows for each gage. (USGS 2012a, USGS 2012b).

Station Name	Latitude, Longitude	Period of Record	7Q10 (cfs)	Remarks
USGS 01331500 Hoosic River At Adams	42°36'40", 73°07'28"	October 1931 to Present	8.53	Records good except those for estimated daily discharge, which are poor. Diversion upstream for municipal supply of Adams. Some diurnal fluctuation by mill upstream prior to 1961. Flow regulated by Cheshire Reservoir 5.1 mi upstream.
USGS 01332500 Hoosic River Near Williamstown	42° 42'01", 73° 09'34"	July 1940 to Present	25.5	Prior to 1966, slight diurnal fluctuation at low flow caused by mills upstream. Some regulation by Cheshire Reservoir 16 mi upstream. Satellite gage-height telemeter at station.
USGS 01333000 Green River At Williamstown	42°42'32", 73°11'50"	September 1949 to Present	4.57	Records good except those for estimated daily discharges, which are poor. Slight diurnal fluctuation at times caused by mill upstream

Table 5. Precipitation and discharge-The precipitation totals (inches) and daily average discharge (cubic feet per second) with percent exceeded on the water quality survey dates and the five days prior to the survey dates. Percent exceeded is percent of time that the discharge was equaled or exceeded during the period of record for the stream gage. Shaded dates indicate the deployment of multi-probes and large bold dates indicate collection of water samples (USGS 2012a) (NOAA 2012a).

	Precipitation(in)	Discharge (cfs) (% exceeded)	Discharge (cfs) (% exceeded)	Discharge (cfs) (% exceeded)
Date	Harriman Airport	USGS 01331500 Hoosic River At Adams	USGS 01332500 Hoosic River Near Williamstown	USGS 01333000 Green River At Williamstown
4/19/2007	0	371 (5%)	1360 (5%)	509 (4%)
4/20/2007	0	405 (5%)	1500 (4%)	510 (4%)
4/21/2007	0	397 (5%)	1470 (5%)	483 (4%)
4/22/2007	0	381 (5%)	1460 (5%)	445 (5%)
4/23/2007	0.05	356 (6%)	1490 (5%)	417 (5%)
4/24/2007	0	322 (6%)	1480 (5%)	393 (5%)
5/20/2007	0.57	123 (23%)	473 (17%)	140 (19%)
5/21/2007	0.23	141 (19%)	695 (10%)	219 (11%)
5/22/2007	0.03	100 (30%)	387 (21%)	136 (20%)
5/23/2007	0	94 (32%)	303 (29%)	110 (26%)
5/24/2007	0	71 (43%)	244 (37%)	93 (31%)
5/25/2007	0	62 (49%)	207 (44%)	80 (36%)
5/26/2007	0	54 (55%)	182 (49%)	69 (41%)
5/27/2007	0.74	49 (60%)	167 (53%)	66 (43%)
5/28/2007	T	81 (37%)	377 (22%)	98 (29%)
5/29/2007	0	53 (56%)	208 (44%)	63 (44%)
5/30/2007	0	47 (63%)	171 (52%)	55 (50%)
6/17/2007	0.08	39 (71%)	114 (71%)	28 (72%)
6/18/2007	0	37 (74%)	123 (68%)	28 (72%)
6/19/2007	0.05	33 (79%)	106 (74%)	25 (76%)

	Precipitation(in)	Discharge (cfs) (% exceeded)	Discharge (cfs) (% exceeded)	Discharge (cfs) (% exceeded)
Date	Harriman Airport	USGS 01331500 Hoosic River At Adams	USGS 01332500 Hoosic River Near Williamstown	USGS 01333000 Green River At Williamstown
6/20/2007	0	32 (80%)	103 (76%)	25 (76%)
6/21/2007	0.02	30 (83%)	100 (77%)	23 (78%)
6/22/2007	0.62	47 (63%)	141 (61%)	30 (70%)
6/23/2007	0.01	43 (67%)	163 (54%)	27 (74%)
6/24/2007	0	33 (79%)	114 (71%)	22 (79%)
6/25/2007	0	30 (83%)	104 (75%)	21 (80%)
6/26/2007	0	33 (79%)	91 (81%)	20 (81%)
6/27/2007	0.49	28 (85%)	114 (71%)	21 (80%)
7/4/2007	0.37	24 (89%)	71 (89%)	17 (85%)
7/5/2007	0.29	45 (65%)	151 (58%)	29 (71%)
7/6/2007	0.24	37 (74%)	163 (54%)	36 (64%)
7/7/2007	0.01	37 (74%)	122 (68%)	27 (74%)
7/8/2007	0.01	32 (80%)	101 (76%)	20 (81%)
7/9/2007	0.43	100 (30%)	207 (44%)	70 (40%)
7/11/2007	0.74	46 (64%)	119 (69%)	33 (67%)
7/12/2007	0	71 (43%)	202 (45%)	56 (49%)
7/13/2007	T	44 (66%)	120 (69%)	31 (69%)
7/14/2007	0	36 (75%)	100 (77%)	26 (75%)
7/15/2007	0.73	37 (74%)	110 (73%)	33 (67%)
7/16/2007	0.06	38 (73%)	117 (70%)	33 (67%)
7/18/2007	1.08	62 (49%)	186 (48%)	73 (39%)
7/29/2007	0	51 (58%)	132 (65%)	31 (69%)
7/30/2007	0	41 (69%)	109 (73%)	28 (72%)
7/31/2007	0	35 (76%)	97 (78%)	25 (76%)
8/1/2007	0	32 (80%)	90 (81%)	23 (78%)
8/2/2007	0	29 (84%)	87 (83%)	22 (79%)
8/3/2007	0.65	31 (81%)	111 (72%)	22 (79%)
8/4/2007	0	35 (76%)	132 (65%)	24 (77%)
8/5/2007	0.01	26 (87%)	92 (81%)	20 (81%)
8/6/2007	T	24 (89%)	86 (83%)	19 (82%)
8/7/2007	0.04	25 (88%)	87 (83%)	19 (82%)
8/8/2007	0.34	51 (58%)	154 (57%)	28 (72%)
8/9/2007	0	34 (77%)	120 (69%)	21 (80%)
8/10/2007	0.46	47 (63%)	143 (61%)	27 (74%)
8/11/2007	0	45 (65%)	148 (59%)	25 (76%)
8/12/2007	0	33 (79%)	122 (68%)	20 (81%)
8/13/2007	0.21	35 (76%)	133 (64%)	21 (80%)
8/16/2007	0	27 (86%)	93 (80%)	17 (85%)
8/17/2007	0.12	27 (86%)	87 (83%)	17 (85%)

	Precipitation(in)	Discharge (cfs) (% exceeded)	Discharge (cfs) (% exceeded)	Discharge (cfs) (% exceeded)
Date	Harriman Airport	USGS 01331500 Hoosic River At Adams	USGS 01332500 Hoosic River Near Williamstown	USGS 01333000 Green River At Williamstown
8/18/2007	T	26 (87%)	89 (82%)	17 (85%)
8/19/2007	0	24 (89%)	81 (85%)	16 (86%)
8/20/2007	0	22 (91%)	77 (87%)	15 (87%)
8/21/2007	0.01	21 (93%)	74 (88%)	15 (87%)
8/22/2007	0	21 (93%)	71 (89%)	15 (87%)
9/2/2007	0	20 (94%)	70 (89%)	12 (90%)
9/3/2007	0.01	20 (94%)	66 (91%)	12 (90%)
9/4/2007	0	18 (96%)	62 (93%)	12 (90%)
9/5/2007	0	17 (97%)	60 (94%)	11 (91%)
9/6/2007	0	17 (97%)	59 (94%)	11 (91%)
9/7/2007	0	17 (97%)	59 (94%)	11 (91%)
9/8/2007	0.12	17 (97%)	58 (95%)	11 (91%)
9/9/2007	0.91	35 (76%)	98 (78%)	15 (87%)
9/10/2007	0.08	60 (51%)	149 (59%)	22 (79%)
9/11/2007	3.1	194 (13%)	978 (7%)	231 (10%)
9/12/2007	0	170 (15%)	512 (15%)	69 (41%)
9/13/2007	0	44 (66%)	161 (55%)	32 (68%)
9/14/2007	0.01	40 (70%)	112 (72%)	25 (76%)
9/15/2007	0.28	43 (67%)	114 (71%)	26 (75%)
9/16/2007	0	39 (71%)	106 (74%)	22 (79%)
9/17/2007	0	33 (79%)	88 (82%)	20 (81%)
9/18/2007	0	30 (83%)	79 (86%)	19 (82%)
9/22/2007	0.1	26 (87%)	63 (92%)	16 (86%)
9/23/2007	0	26 (87%)	63 (92%)	16 (86%)
9/24/2007	0	24 (89%)	58 (95%)	15 (87%)
9/25/2007	0	23 (90%)	54 (96%)	15 (87%)
9/26/2007	0.03	23 (90%)	54 (96%)	15 (87%)
9/27/2007	0.01	24 (89%)	56 (95%)	15 (87%)

Water Quality Data

All MassDEP DWM water quality data are managed and maintained in the Water Quality Data Access Database. Tables 6, 7, 8, 9 and 10 below are 2007 data for the Hudson Watershed. Table 7 presents the geometric mean of the *E. coli* samples. The procedures used to accept, accept with qualification or censor data are based on the DWM SOP for data validation and usability (MassDEP 2012a), and are in addition to separate quality assurance activities and laboratory validation steps undertaken by WES. Data qualifiers are listed in Appendix 1.

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1552	BDB0.8	4/24/2007	12:23	11-0300		Alkalinity	mg/L as CaCO ₃	8	
W1552	BDB0.8	5/29/2007	12:47	11-0397		Alkalinity	mg/L as CaCO ₃	27	
W1552	BDB0.8	6/26/2007	12:31	11-0506		Alkalinity	mg/L as CaCO ₃	58	
W1552	BDB0.8	8/7/2007	12:08	11-0681		Alkalinity	mg/L as CaCO ₃	71	
W1552	BDB0.8	9/11/2007	12:58	11-0757		Alkalinity	mg/L as CaCO ₃	47	
W1552	BDB0.8	4/24/2007	12:23	11-0300		Ammonia-N	mg/L	<0.02	
W1552	BDB0.8	5/29/2007	12:47	11-0397		Ammonia-N	mg/L	<0.02	
W1552	BDB0.8	6/26/2007	12:31	11-0506		Ammonia-N	mg/L	<0.02	
W1552	BDB0.8	8/7/2007	12:08	11-0681		Ammonia-N	mg/L	<0.02	
W1552	BDB0.8	9/11/2007	12:58	11-0757		Ammonia-N	mg/L	0.03	
W1552	BDB0.8	4/24/2007	12:23	11-0300		Apparent Color	PCU	<15	
W1552	BDB0.8	5/29/2007	12:47	11-0397		Apparent Color	PCU	20	
W1552	BDB0.8	6/26/2007	12:31	11-0506		Apparent Color	PCU	<15	
W1552	BDB0.8	8/7/2007	12:08	11-0681		Apparent Color	PCU	17	
W1552	BDB0.8	9/11/2007	12:58	11-0757		Apparent Color	PCU	200	
W1552	BDB0.8	4/24/2007	12:23	11-0300		<i>E. coli</i>	CFU/100mL	<2	
W1552	BDB0.8	5/29/2007	12:47	11-0397		<i>E. coli</i>	CFU/100mL	12	
W1552	BDB0.8	6/26/2007	12:31	11-0506		<i>E. coli</i>	CFU/100mL	16	
W1552	BDB0.8	8/7/2007	12:08	11-0681		<i>E. coli</i>	CFU/100mL	40	
W1552	BDB0.8	9/11/2007	12:58	11-0757		<i>E. coli</i>	CFU/100mL	**	
W1552	BDB0.8	9/27/2007	12:15	11-0793		<i>E. coli</i>	CFU/100mL	80	
W1552	BDB0.8	8/7/2007	12:08	11-0681		Hardness	mg/L	83	
W1552	BDB0.8	9/11/2007	12:58	11-0757		Hardness	mg/L	51	
W1552	BDB0.8	4/24/2007	12:23	11-0300		Suspended Solids	mg/L	4.3	
W1552	BDB0.8	5/29/2007	12:47	11-0397		Suspended Solids	mg/L	1.7	
W1552	BDB0.8	6/26/2007	12:31	11-0506		Suspended Solids	mg/L	1.2	
W1552	BDB0.8	8/7/2007	12:08	11-0681		Suspended Solids	mg/L	1.1	
W1552	BDB0.8	9/11/2007	12:58	11-0757		Suspended Solids	mg/L	300	
W1552	BDB0.8	4/24/2007	12:23	11-0300		Total Nitrogen	mg/L	0.77	
W1552	BDB0.8	5/29/2007	12:47	11-0397		Total Nitrogen	mg/L	0.35	
W1552	BDB0.8	6/26/2007	12:31	11-0506		Total Nitrogen	mg/L	0.36	
W1552	BDB0.8	8/7/2007	12:08	11-0681		Total Nitrogen	mg/L	0.36	
W1552	BDB0.8	9/11/2007	12:58	11-0757		Total Nitrogen	mg/L	2.5	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1552	BDB0.8	4/24/2007	12:23	11-0300		Total Phosphorus	mg/L	0.012	
W1552	BDB0.8	5/29/2007	12:47	11-0397		Total Phosphorus	mg/L	0.005	
W1552	BDB0.8	6/26/2007	12:31	11-0506		Total Phosphorus	mg/L	0.007	
W1552	BDB0.8	8/7/2007	12:08	11-0681		Total Phosphorus	mg/L	0.006	
W1552	BDB0.8	9/11/2007	12:58	11-0757		Total Phosphorus	mg/L	0.55	
W1552	BDB0.8	4/24/2007	12:23	11-0300		True Color	PCU	<15	
W1552	BDB0.8	5/29/2007	12:47	11-0397		True Color	PCU	16	
W1552	BDB0.8	6/26/2007	12:31	11-0506		True Color	PCU	<15	
W1552	BDB0.8	8/7/2007	12:08	11-0681		True Color	PCU	<15	
W1552	BDB0.8	9/11/2007	12:58	11-0757		True Color	PCU	36	
W1552	BDB0.8	4/24/2007	12:23	11-0300		Turbidity	NTU	3.0	
W1552	BDB0.8	5/29/2007	12:47	11-0397		Turbidity	NTU	0.7	
W1552	BDB0.8	6/26/2007	12:31	11-0506		Turbidity	NTU	<0.5	
W1552	BDB0.8	8/7/2007	12:08	11-0681		Turbidity	NTU	0.8	
W1552	BDB0.8	9/11/2007	12:58	11-0757		Turbidity	NTU	200	
W1591	BEB0.3	4/24/2007	9:28	11-0268		Ammonia-N	mg/L	<0.02	
W1591	BEB0.3	5/29/2007	10:02	11-0379		Ammonia-N	mg/L	<0.02	
W1591	BEB0.3	6/26/2007	10:34	11-0484		Ammonia-N	mg/L	<0.02	
W1591	BEB0.3	8/7/2007	10:03	11-0659		Ammonia-N	mg/L	<0.02	
W1591	BEB0.3	9/11/2007	12:19	11-0735		Ammonia-N	mg/L	0.08	
W1591	BEB0.3	4/24/2007	9:28	11-0268		Apparent Color	PCU	<15	
W1591	BEB0.3	5/29/2007	10:02	11-0379		Apparent Color	PCU	<15	
W1591	BEB0.3	6/26/2007	10:34	11-0484		Apparent Color	PCU	<15	
W1591	BEB0.3	8/7/2007	10:03	11-0659		Apparent Color	PCU	<15	
W1591	BEB0.3	9/11/2007	12:19	11-0735		Apparent Color	PCU	170	
W1591	BEB0.3	4/24/2007	9:28	11-0268		<i>E. coli</i>	CFU/100mL	2	
W1591	BEB0.3	5/29/2007	10:02	11-0379		<i>E. coli</i>	CFU/100mL	6	
W1591	BEB0.3	6/26/2007	10:34	11-0484		<i>E. coli</i>	CFU/100mL	18	
W1591	BEB0.3	8/7/2007	10:03	11-0659		<i>E. coli</i>	CFU/100mL	56	h
W1591	BEB0.3	9/11/2007	12:19	11-0735		<i>E. coli</i>	CFU/100mL	**	
W1591	BEB0.3	9/27/2007	10:41	11-0775		<i>E. coli</i>	CFU/100mL	150	
W1591	BEB0.3	4/24/2007	9:28	11-0268		Suspended Solids	mg/L	12	
W1591	BEB0.3	5/29/2007	10:02	11-0379		Suspended Solids	mg/L	2.3	
W1591	BEB0.3	6/26/2007	10:34	11-0484		Suspended Solids	mg/L	1.1	
W1591	BEB0.3	8/7/2007	10:03	11-0659		Suspended Solids	mg/L	1.8	d
W1591	BEB0.3	9/11/2007	12:19	11-0735		Suspended Solids	mg/L	660	
W1591	BEB0.3	4/24/2007	9:28	11-0268		Total Nitrogen	mg/L	0.69	
W1591	BEB0.3	5/29/2007	10:02	11-0379		Total Nitrogen	mg/L	0.49	
W1591	BEB0.3	6/26/2007	10:34	11-0484		Total Nitrogen	mg/L	0.53	
W1591	BEB0.3	8/7/2007	10:03	11-0659		Total Nitrogen	mg/L	0.74	
W1591	BEB0.3	9/11/2007	12:19	11-0735		Total Nitrogen	mg/L	1.8	
W1591	BEB0.3	4/24/2007	9:28	11-0268		Total Phosphorus	mg/L	0.028	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1591	BEB0.3	5/29/2007	10:02	11-0379		Total Phosphorus	mg/L	<0.005	
W1591	BEB0.3	6/26/2007	10:34	11-0484		Total Phosphorus	mg/L	<0.005	
W1591	BEB0.3	8/7/2007	10:03	11-0659		Total Phosphorus	mg/L	<0.005	
W1591	BEB0.3	9/11/2007	12:19	11-0735		Total Phosphorus	mg/L	0.76	
W1591	BEB0.3	4/24/2007	9:28	11-0268		True Color	PCU	<15	
W1591	BEB0.3	5/29/2007	10:02	11-0379		True Color	PCU	<15	
W1591	BEB0.3	6/26/2007	10:34	11-0484		True Color	PCU	<15	
W1591	BEB0.3	8/7/2007	10:03	11-0659		True Color	PCU	<15	
W1591	BEB0.3	9/11/2007	12:19	11-0735		True Color	PCU	22	
W1591	BEB0.3	4/24/2007	9:28	11-0268		Turbidity	NTU	11.0	
W1591	BEB0.3	5/29/2007	10:02	11-0379		Turbidity	NTU	1.2	
W1591	BEB0.3	6/26/2007	10:34	11-0484		Turbidity	NTU	0.6	
W1591	BEB0.3	8/7/2007	10:03	11-0659		Turbidity	NTU	1.0	
W1591	BEB0.3	9/11/2007	12:19	11-0735		Turbidity	NTU	440	
W1547	BXB0.9	4/24/2007	11:06	11-0294		Alkalinity	mg/L as CaCO3	9	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	Alkalinity	mg/L as CaCO3	16	
W1547	BXB0.9	6/26/2007	11:56	11-0503		Alkalinity	mg/L as CaCO3	29	
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	Alkalinity	mg/L as CaCO3	45	
W1547	BXB0.9	9/11/2007	12:15	11-0754	11-0759	Alkalinity	mg/L as CaCO3	21	
W1547	BXB0.9	4/24/2007	11:06	11-0294		Ammonia-N	mg/L	<0.02	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	Ammonia-N	mg/L	<0.02	
W1547	BXB0.9	6/26/2007	11:56	11-0503		Ammonia-N	mg/L	<0.02	
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	Ammonia-N	mg/L	<0.02	
W1547	BXB0.9	9/11/2007	12:15	11-0754	11-0759	Ammonia-N	mg/L	0.04	
W1547	BXB0.9	4/24/2007	11:06	11-0294		Apparent Color	PCU	<15	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	Apparent Color	PCU	<15	
W1547	BXB0.9	6/26/2007	11:56	11-0503		Apparent Color	PCU	<15	
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	Apparent Color	PCU	<15	
W1547	BXB0.9	9/11/2007	12:15	11-0754	11-0759	Apparent Color	PCU	400	
W1547	BXB0.9	4/24/2007	11:06	11-0294		<i>E. coli</i>	CFU/100mL	<2	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	<i>E. coli</i>	CFU/100mL	14	
W1547	BXB0.9	6/26/2007	11:56	11-0503		<i>E. coli</i>	CFU/100mL	6	
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	<i>E. coli</i>	CFU/100mL	80	
W1547	BXB0.9	9/11/2007	12:15	11-0754	11-0759	<i>E. coli</i>	CFU/100mL	**	
W1547	BXB0.9	9/27/2007	11:45	11-0790		<i>E. coli</i>	CFU/100mL	90	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	Hardness	mg/L	24	
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	Hardness	mg/L	57	
W1547	BXB0.9	4/24/2007	11:06	11-0294		Suspended Solids	mg/L	8.8	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	Suspended Solids	mg/L	1.9	
W1547	BXB0.9	6/26/2007	11:56	11-0503		Suspended Solids	mg/L	1.1	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	Suspended Solids	mg/L	1.3	
W1547	BXB0.9	9/11/2007	12:15	11-0754	11-0759	Suspended Solids	mg/L	1400	
W1547	BXB0.9	4/24/2007	11:06	11-0294		Total Nitrogen	mg/L	0.76	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	Total Nitrogen	mg/L	0.30	
W1547	BXB0.9	6/26/2007	11:56	11-0503		Total Nitrogen	mg/L	0.28	
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	Total Nitrogen	mg/L	0.36	
W1547	BXB0.9	9/11/2007	12:15	11-0754	11-0759	Total Nitrogen	mg/L	5.5	
W1547	BXB0.9	4/24/2007	11:06	11-0294		Total Phosphorus	mg/L	0.007	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	Total Phosphorus	mg/L	0.005	
W1547	BXB0.9	6/26/2007	11:56	11-0503		Total Phosphorus	mg/L	0.006	
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	Total Phosphorus	mg/L	<0.005	
W1547	BXB0.9	9/11/2007	12:15	11-0754	11-0759	Total Phosphorus	mg/L	2.1	
W1547	BXB0.9	4/24/2007	11:06	11-0294		True Color	PCU	<15	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	True Color	PCU	<15	
W1547	BXB0.9	6/26/2007	11:56	11-0503		True Color	PCU	<15	
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	True Color	PCU	<15	
W1547	BXB0.9	9/11/2007	12:15	11-0754	11-0759	True Color	PCU	22	
W1547	BXB0.9	4/24/2007	11:06	11-0294		Turbidity	NTU	3.0	
W1547	BXB0.9	5/29/2007	11:55	11-0392	11-0393	Turbidity	NTU	<0.5	
W1547	BXB0.9	6/26/2007	11:56	11-0503		Turbidity	NTU	0.7	
W1547	BXB0.9	8/7/2007	11:24	11-0676	11-0677	Turbidity	NTU	1.0	d
W1547	BXB0.9	9/11/2007	12:15	11-0754	11-0759	Turbidity	NTU	750	
W1553	GE0.02	4/24/2007	10:43	11-0274		Alkalinity	mg/L as CaCO3	24	
W1553	GE0.02	5/29/2007	11:28	11-0382		Alkalinity	mg/L as CaCO3	42	
W1553	GE0.02	6/26/2007	11:31	11-0487		Alkalinity	mg/L as CaCO3	55	
W1553	GE0.02	9/11/2007	11:34	11-0740		Alkalinity	mg/L as CaCO3	30	
W1553	GE0.02	4/24/2007	10:43	11-0274		Ammonia-N	mg/L	<0.02	
W1553	GE0.02	5/29/2007	11:28	11-0382		Ammonia-N	mg/L	<0.02	
W1553	GE0.02	6/26/2007	11:31	11-0487		Ammonia-N	mg/L	<0.02	
W1553	GE0.02	8/7/2007	10:56	11-0664		Ammonia-N	mg/L	<0.02	
W1553	GE0.02	9/11/2007	11:34	11-0740		Ammonia-N	mg/L	0.06	
W1553	GE0.02	4/24/2007	10:43	11-0274		Apparent Color	PCU	<15	
W1553	GE0.02	5/29/2007	11:28	11-0382		Apparent Color	PCU	<15	
W1553	GE0.02	6/26/2007	11:31	11-0487		Apparent Color	PCU	<15	
W1553	GE0.02	8/7/2007	10:56	11-0664		Apparent Color	PCU	<15	
W1553	GE0.02	9/11/2007	11:34	11-0740		Apparent Color	PCU	180	
W1553	GE0.02	4/24/2007	10:43	11-0274		<i>E. coli</i>	CFU/100mL	<2	
W1553	GE0.02	5/29/2007	11:28	11-0382		<i>E. coli</i>	CFU/100mL	6	
W1553	GE0.02	6/26/2007	11:31	11-0487		<i>E. coli</i>	CFU/100mL	4	
W1553	GE0.02	8/7/2007	10:56	11-0664		<i>E. coli</i>	CFU/100mL	16	h

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1553	GE0.02	9/11/2007	11:34	11-0740		<i>E. coli</i>	CFU/100mL	**	
W1553	GE0.02	9/27/2007	10:56	11-0780		<i>E. coli</i>	CFU/100mL	<10	
W1553	GE0.02	9/11/2007	11:34	11-0740		Hardness	mg/L	38	
W1553	GE0.02	4/24/2007	10:43	11-0274		Suspended Solids	mg/L	8.6	
W1553	GE0.02	5/29/2007	11:28	11-0382		Suspended Solids	mg/L	1.2	
W1553	GE0.02	6/26/2007	11:31	11-0487		Suspended Solids	mg/L	1.0	
W1553	GE0.02	8/7/2007	10:56	11-0664		Suspended Solids	mg/L	<1.0	d
W1553	GE0.02	9/11/2007	11:34	11-0740		Suspended Solids	mg/L	590	
W1553	GE0.02	4/24/2007	10:43	11-0274		Total Nitrogen	mg/L	0.93	
W1553	GE0.02	5/29/2007	11:28	11-0382		Total Nitrogen	mg/L	0.61	
W1553	GE0.02	6/26/2007	11:31	11-0487		Total Nitrogen	mg/L	0.57	
W1553	GE0.02	8/7/2007	10:56	11-0664		Total Nitrogen	mg/L	0.52	
W1553	GE0.02	9/11/2007	11:34	11-0740		Total Nitrogen	mg/L	3.3	
W1553	GE0.02	4/24/2007	10:43	11-0274		Total Phosphorus	mg/L	0.008	
W1553	GE0.02	5/29/2007	11:28	11-0382		Total Phosphorus	mg/L	<0.005	
W1553	GE0.02	6/26/2007	11:31	11-0487		Total Phosphorus	mg/L	<0.005	
W1553	GE0.02	8/7/2007	10:56	11-0664		Total Phosphorus	mg/L	<0.005	
W1553	GE0.02	9/11/2007	11:34	11-0740		Total Phosphorus	mg/L	0.72	
W1553	GE0.02	4/24/2007	10:43	11-0274		True Color	PCU	<15	
W1553	GE0.02	5/29/2007	11:28	11-0382		True Color	PCU	<15	
W1553	GE0.02	6/26/2007	11:31	11-0487		True Color	PCU	<15	
W1553	GE0.02	8/7/2007	10:56	11-0664		True Color	PCU	<15	
W1553	GE0.02	9/11/2007	11:34	11-0740		True Color	PCU	18	
W1553	GE0.02	4/24/2007	10:43	11-0274		Turbidity	NTU	5.9	
W1553	GE0.02	5/29/2007	11:28	11-0382		Turbidity	NTU	0.7	
W1553	GE0.02	6/26/2007	11:31	11-0487		Turbidity	NTU	<0.5	
W1553	GE0.02	8/7/2007	10:56	11-0664		Turbidity	NTU	0.5	
W1553	GE0.02	9/11/2007	11:34	11-0740		Turbidity	NTU	310	
W1130	GN01A	4/24/2007	12:20	11-0282	11-0283	Alkalinity	mg/L as CaCO3	31	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	Alkalinity	mg/L as CaCO3	59	
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	Alkalinity	mg/L as CaCO3	82	
W1130	GN01A	8/7/2007	12:04	11-0672		Alkalinity	mg/L as CaCO3	80	
W1130	GN01A	9/11/2007	10:40	11-0744		Alkalinity	mg/L as CaCO3	63	
W1130	GN01A	4/24/2007	12:20	11-0282	11-0283	Ammonia-N	mg/L	<0.02	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	Ammonia-N	mg/L	<0.02	
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	Ammonia-N	mg/L	0.02	
W1130	GN01A	8/7/2007	12:04	11-0672		Ammonia-N	mg/L	<0.02	
W1130	GN01A	9/11/2007	10:40	11-0744		Ammonia-N	mg/L	0.06	
W1130	GN01A	4/24/2007	12:20	11-0282	11-0283	Apparent Color	PCU	<15	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	Apparent Color	PCU	18	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	Apparent Color	PCU	16	
W1130	GN01A	8/7/2007	12:04	11-0672		Apparent Color	PCU	<15	
W1130	GN01A	9/11/2007	10:40	11-0744		Apparent Color	PCU	90	
W1130	GN01A	4/24/2007	12:20	11-0282	11-0283	<i>E. coli</i>	CFU/100mL	<2	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	<i>E. coli</i>	CFU/100mL	32	
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	<i>E. coli</i>	CFU/100mL	30	
W1130	GN01A	8/7/2007	12:04	11-0672		<i>E. coli</i>	CFU/100mL	132	
W1130	GN01A	9/11/2007	10:40	11-0744		<i>E. coli</i>	CFU/100mL	**	
W1130	GN01A	9/27/2007	11:47	11-0784		<i>E. coli</i>	CFU/100mL	150	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	Hardness	mg/L	68	
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	Hardness	mg/L	95	
W1130	GN01A	8/7/2007	12:04	11-0672		Hardness	mg/L	90	
W1130	GN01A	9/11/2007	10:40	11-0744		Hardness	mg/L	72	
W1130	GN01A	4/24/2007	12:20	11-0282	11-0283	Suspended Solids	mg/L	19	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	Suspended Solids	mg/L	2.0	
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	Suspended Solids	mg/L	2.2	
W1130	GN01A	8/7/2007	12:04	11-0672		Suspended Solids	mg/L	1.4	d
W1130	GN01A	9/11/2007	10:40	11-0744		Suspended Solids	mg/L	150	
W1130	GN01A	4/24/2007	12:20	11-0282	11-0283	Total Nitrogen	mg/L	1.0	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	Total Nitrogen	mg/L	0.65	
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	Total Nitrogen	mg/L	0.65	
W1130	GN01A	8/7/2007	12:04	11-0672		Total Nitrogen	mg/L	0.47	
W1130	GN01A	9/11/2007	10:40	11-0744		Total Nitrogen	mg/L	1.1	
W1130	GN01A	4/24/2007	12:20	11-0282	11-0283	Total Phosphorus	mg/L	0.015	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	Total Phosphorus	mg/L	<0.005	
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	Total Phosphorus	mg/L	0.005	
W1130	GN01A	8/7/2007	12:04	11-0672		Total Phosphorus	mg/L	<0.005	
W1130	GN01A	9/11/2007	10:40	11-0744		Total Phosphorus	mg/L	0.23	
W1130	GN01A	4/24/2007	12:20	11-0282	11-0283	True Color	PCU	<15	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	True Color	PCU	<15	
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	True Color	PCU	<15	
W1130	GN01A	8/7/2007	12:04	11-0672		True Color	PCU	<15	
W1130	GN01A	9/11/2007	10:40	11-0744		True Color	PCU	23	
W1130	GN01A	4/24/2007	12:20	11-0282	11-0283	Turbidity	NTU	17.5	
W1130	GN01A	5/29/2007	13:18	11-0386	11-0387	Turbidity	NTU	1.2	
W1130	GN01A	6/26/2007	12:31	11-0491	11-0492	Turbidity	NTU	1.0	
W1130	GN01A	8/7/2007	12:04	11-0672		Turbidity	NTU	1.4	
W1130	GN01A	9/11/2007	10:40	11-0744		Turbidity	NTU	115	
W1128	GNK01	4/24/2007	11:15	11-0276		Ammonia-N	mg/L	<0.02	
W1128	GNK01	5/29/2007	12:00	11-0383		Ammonia-N	mg/L	<0.02	
W1128	GNK01	6/26/2007	11:58	11-0488		Ammonia-N	mg/L	<0.02	
W1128	GNK01	8/7/2007	11:16	11-0665		Ammonia-N	mg/L	<0.02	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1128	GNK01	9/11/2007	11:10	11-0741		Ammonia-N	mg/L	0.06	
W1128	GNK01	4/24/2007	11:15	11-0276		Apparent Color	PCU	<15	
W1128	GNK01	5/29/2007	12:00	11-0383		Apparent Color	PCU	<15	
W1128	GNK01	6/26/2007	11:58	11-0488		Apparent Color	PCU	16	
W1128	GNK01	8/7/2007	11:16	11-0665		Apparent Color	PCU	<15	
W1128	GNK01	9/11/2007	11:10	11-0741		Apparent Color	PCU	60	
W1128	GNK01	4/24/2007	11:15	11-0276		<i>E. coli</i>	CFU/100mL	<2	
W1128	GNK01	5/29/2007	12:00	11-0383		<i>E. coli</i>	CFU/100mL	14	
W1128	GNK01	6/26/2007	11:58	11-0488		<i>E. coli</i>	CFU/100mL	28	
W1128	GNK01	8/7/2007	11:16	11-0665		<i>E. coli</i>	CFU/100mL	132	h
W1128	GNK01	9/11/2007	11:10	11-0741		<i>E. coli</i>	CFU/100mL	**	
W1128	GNK01	9/27/2007	11:20	11-0781		<i>E. coli</i>	CFU/100mL	90	
W1128	GNK01	4/24/2007	11:15	11-0276		Suspended Solids	mg/L	14	
W1128	GNK01	5/29/2007	12:00	11-0383		Suspended Solids	mg/L	1.9	
W1128	GNK01	6/26/2007	11:58	11-0488		Suspended Solids	mg/L	2.1	
W1128	GNK01	8/7/2007	11:16	11-0665		Suspended Solids	mg/L	2.2	d
W1128	GNK01	9/11/2007	11:10	11-0741		Suspended Solids	mg/L	100	
W1128	GNK01	4/24/2007	11:15	11-0276		Total Nitrogen	mg/L	0.97	
W1128	GNK01	5/29/2007	12:00	11-0383		Total Nitrogen	mg/L	0.62	
W1128	GNK01	6/26/2007	11:58	11-0488		Total Nitrogen	mg/L	0.51	
W1128	GNK01	8/7/2007	11:16	11-0665		Total Nitrogen	mg/L	0.44	
W1128	GNK01	9/11/2007	11:10	11-0741		Total Nitrogen	mg/L	0.90	
W1128	GNK01	4/24/2007	11:15	11-0276		Total Phosphorus	mg/L	0.013	
W1128	GNK01	5/29/2007	12:00	11-0383		Total Phosphorus	mg/L	<0.005	
W1128	GNK01	6/26/2007	11:58	11-0488		Total Phosphorus	mg/L	0.005	
W1128	GNK01	8/7/2007	11:16	11-0665		Total Phosphorus	mg/L	<0.005	
W1128	GNK01	9/11/2007	11:10	11-0741		Total Phosphorus	mg/L	0.14	
W1128	GNK01	4/24/2007	11:15	11-0276		True Color	PCU	<15	
W1128	GNK01	5/29/2007	12:00	11-0383		True Color	PCU	<15	
W1128	GNK01	6/26/2007	11:58	11-0488		True Color	PCU	<15	
W1128	GNK01	8/7/2007	11:16	11-0665		True Color	PCU	<15	
W1128	GNK01	9/11/2007	11:10	11-0741		True Color	PCU	18	
W1128	GNK01	4/24/2007	11:15	11-0276		Turbidity	NTU	13.0	
W1128	GNK01	5/29/2007	12:00	11-0383		Turbidity	NTU	1.1	
W1128	GNK01	6/26/2007	11:58	11-0488		Turbidity	NTU	1.4	
W1128	GNK01	8/7/2007	11:16	11-0665		Turbidity	NTU	2.4	
W1128	GNK01	9/11/2007	11:10	11-0741		Turbidity	NTU	75.0	
W1129	GNK02	4/24/2007	10:30	11-0272		Alkalinity	mg/L as CaCO3	30	
W1129	GNK02	5/29/2007	11:13	11-0381		Alkalinity	mg/L as CaCO3	51	
W1129	GNK02	6/26/2007	11:25	11-0486		Alkalinity	mg/L as CaCO3	70	
W1129	GNK02	8/7/2007	10:44	11-0663		Alkalinity	mg/L as	76	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
							CaCO3		
W1129	GNK02	9/11/2007	11:35	11-0739		Alkalinity	mg/L as CaCO3	35	
W1129	GNK02	4/24/2007	10:30	11-0272		Ammonia-N	mg/L	<0.02	
W1129	GNK02	5/29/2007	11:13	11-0381		Ammonia-N	mg/L	<0.02	
W1129	GNK02	6/26/2007	11:25	11-0486		Ammonia-N	mg/L	<0.02	
W1129	GNK02	8/7/2007	10:44	11-0663		Ammonia-N	mg/L	<0.02	
W1129	GNK02	9/11/2007	11:35	11-0739		Ammonia-N	mg/L	0.10	
W1129	GNK02	4/24/2007	10:30	11-0272		Apparent Color	PCU	<15	
W1129	GNK02	5/29/2007	11:13	11-0381		Apparent Color	PCU	<15	
W1129	GNK02	6/26/2007	11:25	11-0486		Apparent Color	PCU	<15	
W1129	GNK02	8/7/2007	10:44	11-0663		Apparent Color	PCU	<15	
W1129	GNK02	9/11/2007	11:35	11-0739		Apparent Color	PCU	120	
W1129	GNK02	4/24/2007	10:30	11-0272		<i>E. coli</i>	CFU/100mL	4	
W1129	GNK02	5/29/2007	11:13	11-0381		<i>E. coli</i>	CFU/100mL	18	
W1129	GNK02	6/26/2007	11:25	11-0486		<i>E. coli</i>	CFU/100mL	12	
W1129	GNK02	8/7/2007	10:44	11-0663		<i>E. coli</i>	CFU/100mL	24	h
W1129	GNK02	9/11/2007	11:35	11-0739		<i>E. coli</i>	CFU/100mL	**	
W1129	GNK02	9/27/2007	11:03	11-0779		<i>E. coli</i>	CFU/100mL	<10	
W1129	GNK02	4/24/2007	10:30	11-0272		Suspended Solids	mg/L	6.3	
W1129	GNK02	5/29/2007	11:13	11-0381		Suspended Solids	mg/L	1.0	
W1129	GNK02	6/26/2007	11:25	11-0486		Suspended Solids	mg/L	1.1	
W1129	GNK02	8/7/2007	10:44	11-0663		Suspended Solids	mg/L	<1.0	d
W1129	GNK02	9/11/2007	11:35	11-0739		Suspended Solids	mg/L	580	
W1129	GNK02	4/24/2007	10:30	11-0272		Total Nitrogen	mg/L	0.93	
W1129	GNK02	5/29/2007	11:13	11-0381		Total Nitrogen	mg/L	0.65	
W1129	GNK02	6/26/2007	11:25	11-0486		Total Nitrogen	mg/L	0.62	
W1129	GNK02	8/7/2007	10:44	11-0663		Total Nitrogen	mg/L	0.47	
W1129	GNK02	9/11/2007	11:35	11-0739		Total Nitrogen	mg/L	3.0	
W1129	GNK02	4/24/2007	10:30	11-0272		Total Phosphorus	mg/L	0.008	
W1129	GNK02	5/29/2007	11:13	11-0381		Total Phosphorus	mg/L	<0.005	
W1129	GNK02	6/26/2007	11:25	11-0486		Total Phosphorus	mg/L	<0.005	
W1129	GNK02	8/7/2007	10:44	11-0663		Total Phosphorus	mg/L	<0.005	
W1129	GNK02	9/11/2007	11:35	11-0739		Total Phosphorus	mg/L	0.78	
W1129	GNK02	4/24/2007	10:30	11-0272		True Color	PCU	<15	
W1129	GNK02	5/29/2007	11:13	11-0381		True Color	PCU	<15	
W1129	GNK02	6/26/2007	11:25	11-0486		True Color	PCU	<15	
W1129	GNK02	8/7/2007	10:44	11-0663		True Color	PCU	<15	
W1129	GNK02	9/11/2007	11:35	11-0739		True Color	PCU	22	
W1129	GNK02	4/24/2007	10:30	11-0272		Turbidity	NTU	4.2	
W1129	GNK02	5/29/2007	11:13	11-0381		Turbidity	NTU	1.2	
W1129	GNK02	6/26/2007	11:25	11-0486		Turbidity	NTU	<0.5	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1129	GNK02	8/7/2007	10:44	11-0663		Turbidity	NTU	<0.5	
W1129	GNK02	9/11/2007	11:35	11-0739		Turbidity	NTU	145	
W1555	GNK3.6	4/24/2007	11:38	11-0278		Ammonia-N	mg/L	<0.02	
W1555	GNK3.6	5/29/2007	12:17	11-0384		Ammonia-N	mg/L	<0.02	
W1555	GNK3.6	6/26/2007	12:05	11-0489		Ammonia-N	mg/L	<0.02	
W1555	GNK3.6	8/7/2007	11:30	11-0670		Ammonia-N	mg/L	<0.02	
W1555	GNK3.6	9/11/2007	10:54	11-0742		Ammonia-N	mg/L	0.03	
W1555	GNK3.6	4/24/2007	11:38	11-0278		Apparent Color	PCU	<15	
W1555	GNK3.6	5/29/2007	12:17	11-0384		Apparent Color	PCU	<15	
W1555	GNK3.6	6/26/2007	12:05	11-0489		Apparent Color	PCU	18	
W1555	GNK3.6	8/7/2007	11:30	11-0670		Apparent Color	PCU	<15	
W1555	GNK3.6	9/11/2007	10:54	11-0742		Apparent Color	PCU	50	
W1555	GNK3.6	4/24/2007	11:38	11-0278		<i>E. coli</i>	CFU/100mL	2	
W1555	GNK3.6	5/29/2007	12:17	11-0384		<i>E. coli</i>	CFU/100mL	14	
W1555	GNK3.6	6/26/2007	12:05	11-0489		<i>E. coli</i>	CFU/100mL	62	
W1555	GNK3.6	8/7/2007	11:30	11-0670		<i>E. coli</i>	CFU/100mL	220	
W1555	GNK3.6	9/11/2007	10:54	11-0742		<i>E. coli</i>	CFU/100mL	##	a
W1555	GNK3.6	9/27/2007	11:36	11-0782		<i>E. coli</i>	CFU/100mL	110	
W1555	GNK3.6	8/7/2007	11:30	11-0670		Hardness	mg/L	90	
W1555	GNK3.6	9/11/2007	10:54	11-0742		Hardness	mg/L	75	
W1555	GNK3.6	4/24/2007	11:38	11-0278		Suspended Solids	mg/L	15	
W1555	GNK3.6	5/29/2007	12:17	11-0384		Suspended Solids	mg/L	2.0	
W1555	GNK3.6	6/26/2007	12:05	11-0489		Suspended Solids	mg/L	1.8	
W1555	GNK3.6	8/7/2007	11:30	11-0670		Suspended Solids	mg/L	1.4	d
W1555	GNK3.6	9/11/2007	10:54	11-0742		Suspended Solids	mg/L	58	
W1555	GNK3.6	4/24/2007	11:38	11-0278		Total Nitrogen	mg/L	0.99	
W1555	GNK3.6	5/29/2007	12:17	11-0384		Total Nitrogen	mg/L	0.61	
W1555	GNK3.6	6/26/2007	12:05	11-0489		Total Nitrogen	mg/L	0.55	
W1555	GNK3.6	8/7/2007	11:30	11-0670		Total Nitrogen	mg/L	0.44	
W1555	GNK3.6	9/11/2007	10:54	11-0742		Total Nitrogen	mg/L	0.70	
W1555	GNK3.6	4/24/2007	11:38	11-0278		Total Phosphorus	mg/L	0.014	
W1555	GNK3.6	5/29/2007	12:17	11-0384		Total Phosphorus	mg/L	<0.005	
W1555	GNK3.6	6/26/2007	12:05	11-0489		Total Phosphorus	mg/L	<0.005	
W1555	GNK3.6	8/7/2007	11:30	11-0670		Total Phosphorus	mg/L	<0.005	
W1555	GNK3.6	9/11/2007	10:54	11-0742		Total Phosphorus	mg/L	0.080	
W1555	GNK3.6	4/24/2007	11:38	11-0278		True Color	PCU	<15	
W1555	GNK3.6	5/29/2007	12:17	11-0384		True Color	PCU	<15	
W1555	GNK3.6	6/26/2007	12:05	11-0489		True Color	PCU	<15	
W1555	GNK3.6	8/7/2007	11:30	11-0670		True Color	PCU	<15	
W1555	GNK3.6	9/11/2007	10:54	11-0742		True Color	PCU	18	
W1555	GNK3.6	4/24/2007	11:38	11-0278		Turbidity	NTU	15.0	
W1555	GNK3.6	5/29/2007	12:17	11-0384		Turbidity	NTU	1.4	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1555	GNK3.6	6/26/2007	12:05	11-0489		Turbidity	NTU	1.1	
W1555	GNK3.6	8/7/2007	11:30	11-0670		Turbidity	NTU	1.8	
W1555	GNK3.6	9/11/2007	10:54	11-0742		Turbidity	NTU	54.0	
W1556	HO0.04	4/24/2007	11:54	11-0280		Ammonia-N	mg/L	<0.02	
W1556	HO0.04	5/29/2007	12:37	11-0385		Ammonia-N	mg/L	<0.02	
W1556	HO0.04	6/26/2007	12:12	11-0490		Ammonia-N	mg/L	<0.02	
W1556	HO0.04	8/7/2007	11:43	11-0671		Ammonia-N	mg/L	<0.02	
W1556	HO0.04	9/11/2007	13:00	11-0743		Ammonia-N	mg/L	0.03	
W1556	HO0.04	4/24/2007	11:54	11-0280		Apparent Color	PCU	<15	
W1556	HO0.04	5/29/2007	12:37	11-0385		Apparent Color	PCU	<15	
W1556	HO0.04	6/26/2007	12:12	11-0490		Apparent Color	PCU	<15	
W1556	HO0.04	8/7/2007	11:43	11-0671		Apparent Color	PCU	<15	
W1556	HO0.04	9/11/2007	13:00	11-0743		Apparent Color	PCU	360	
W1556	HO0.04	4/24/2007	11:54	11-0280		<i>E. coli</i>	CFU/100mL	2	
W1556	HO0.04	5/29/2007	12:37	11-0385		<i>E. coli</i>	CFU/100mL	114	
W1556	HO0.04	6/26/2007	12:12	11-0490		<i>E. coli</i>	CFU/100mL	18	
W1556	HO0.04	8/7/2007	11:43	11-0671		<i>E. coli</i>	CFU/100mL	56	
W1556	HO0.04	9/11/2007	13:00	11-0743		<i>E. coli</i>	CFU/100mL	**	
W1556	HO0.04	9/27/2007	11:29	11-0783		<i>E. coli</i>	CFU/100mL	350	
W1556	HO0.04	8/7/2007	11:43	11-0671		Hardness	mg/L	82	
W1556	HO0.04	9/11/2007	13:00	11-0743		Hardness	mg/L	34	
W1556	HO0.04	4/24/2007	11:54	11-0280		Suspended Solids	mg/L	24	
W1556	HO0.04	5/29/2007	12:37	11-0385		Suspended Solids	mg/L	1.7	
W1556	HO0.04	6/26/2007	12:12	11-0490		Suspended Solids	mg/L	1.3	
W1556	HO0.04	8/7/2007	11:43	11-0671		Suspended Solids	mg/L	<1.0	d
W1556	HO0.04	9/11/2007	13:00	11-0743		Suspended Solids	mg/L	700	
W1556	HO0.04	4/24/2007	11:54	11-0280		Total Nitrogen	mg/L	1.2	
W1556	HO0.04	5/29/2007	12:37	11-0385		Total Nitrogen	mg/L	0.80	
W1556	HO0.04	6/26/2007	12:12	11-0490		Total Nitrogen	mg/L	0.61	
W1556	HO0.04	8/7/2007	11:43	11-0671		Total Nitrogen	mg/L	0.51	
W1556	HO0.04	9/11/2007	13:00	11-0743		Total Nitrogen	mg/L	1.8	
W1556	HO0.04	4/24/2007	11:54	11-0280		Total Phosphorus	mg/L	0.019	
W1556	HO0.04	5/29/2007	12:37	11-0385		Total Phosphorus	mg/L	<0.005	
W1556	HO0.04	6/26/2007	12:12	11-0490		Total Phosphorus	mg/L	<0.005	
W1556	HO0.04	8/7/2007	11:43	11-0671		Total Phosphorus	mg/L	<0.005	
W1556	HO0.04	9/11/2007	13:00	11-0743		Total Phosphorus	mg/L	0.58	
W1556	HO0.04	4/24/2007	11:54	11-0280		True Color	PCU	<15	
W1556	HO0.04	5/29/2007	12:37	11-0385		True Color	PCU	<15	
W1556	HO0.04	6/26/2007	12:12	11-0490		True Color	PCU	<15	
W1556	HO0.04	8/7/2007	11:43	11-0671		True Color	PCU	<15	
W1556	HO0.04	9/11/2007	13:00	11-0743		True Color	PCU	30	
W1556	HO0.04	4/24/2007	11:54	11-0280		Turbidity	NTU	20.0	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1556	HO0.04	5/29/2007	12:37	11-0385		Turbidity	NTU	1.2	
W1556	HO0.04	6/26/2007	12:12	11-0490		Turbidity	NTU	0.9	
W1556	HO0.04	8/7/2007	11:43	11-0671		Turbidity	NTU	0.9	
W1556	HO0.04	8/13/2007	15:05	11-0529		Turbidity	NTU	120	f
W1556	HO0.04	9/11/2007	13:00	11-0743		Turbidity	NTU	570	
W1593	HR02B	4/24/2007	11:53	11-0298		Alkalinity	mg/L as CaCO3	26	
W1593	HR02B	5/29/2007	12:32	11-0396		Alkalinity	mg/L as CaCO3	67	
W1593	HR02B	6/26/2007	12:18	11-0505		Alkalinity	mg/L as CaCO3	110	
W1593	HR02B	8/7/2007	11:57	11-0680		Alkalinity	mg/L as CaCO3	120	
W1593	HR02B	9/11/2007	12:43	11-0756		Alkalinity	mg/L as CaCO3	76	
W1593	HR02B	7/18/2007	14:43	11-0546		Aluminum - Dissolved	µg/L	<40	
W1593	HR02B	4/24/2007	11:53	11-0298		Ammonia-N	mg/L	0.08	
W1593	HR02B	5/29/2007	12:32	11-0396		Ammonia-N	mg/L	<0.02	
W1593	HR02B	6/26/2007	12:18	11-0505		Ammonia-N	mg/L	0.02	
W1593	HR02B	8/7/2007	11:57	11-0680		Ammonia-N	mg/L	0.05	
W1593	HR02B	9/11/2007	12:43	11-0756		Ammonia-N	mg/L	0.18	
W1593	HR02B	7/18/2007	14:43	11-0546		Antimony - Dissolved	µg/L	0.21	
W1593	HR02B	4/24/2007	11:53	11-0298		Apparent Color	PCU	23	
W1593	HR02B	5/29/2007	12:32	11-0396		Apparent Color	PCU	23	
W1593	HR02B	6/26/2007	12:18	11-0505		Apparent Color	PCU	20	
W1593	HR02B	8/7/2007	11:57	11-0680		Apparent Color	PCU	21	
W1593	HR02B	9/11/2007	12:43	11-0756		Apparent Color	PCU	200	
W1593	HR02B	7/18/2007	14:43	11-0546		Arsenic - Dissolved	µg/L	0.51	
W1593	HR02B	7/18/2007	14:43	11-0546		Barium - Dissolved	µg/L	15	
W1593	HR02B	7/18/2007	14:43	11-0546		Beryllium - Dissolved	µg/L	##	b, d, j
W1593	HR02B	7/18/2007	14:43	11-0546		Cadmium - Dissolved	µg/L	<0.13	
W1593	HR02B	7/18/2007	14:43	11-0546		Calcium - Dissolved	mg/L	29	b
W1593	HR02B	7/18/2007	14:43	11-0546		Chromium - Dissolved	µg/L	2.7	
W1593	HR02B	7/18/2007	14:43	11-0546		Cobalt - Dissolved	µg/L	<0.17	
W1593	HR02B	7/18/2007	14:43	11-0546		Copper - Dissolved	µg/L	##	b
W1593	HR02B	4/24/2007	11:53	11-0298		<i>E. coli</i>	CFU/100mL	46	
W1593	HR02B	5/29/2007	12:32	11-0396		<i>E. coli</i>	CFU/100mL	72	
W1593	HR02B	6/26/2007	12:18	11-0505		<i>E. coli</i>	CFU/100mL	148	
W1593	HR02B	8/7/2007	11:57	11-0680		<i>E. coli</i>	CFU/100mL	80	
W1593	HR02B	9/11/2007	12:43	11-0756		<i>E. coli</i>	CFU/100mL	**	
W1593	HR02B	9/27/2007	12:04	11-0792		<i>E. coli</i>	CFU/100mL	280	
W1593	HR02B	5/29/2007	12:32	11-0396		Hardness	mg/L	79	
W1593	HR02B	6/26/2007	12:18	11-0505		Hardness	mg/L	140	
W1593	HR02B	7/18/2007	14:43	11-0546		Hardness	mg/L as CaCO3	110	
W1593	HR02B	8/7/2007	11:57	11-0680		Hardness	mg/L	140	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1593	HR02B	9/11/2007	12:43	11-0756		Hardness	mg/L	65	
W1593	HR02B	7/18/2007	14:43	11-0546		Iron - Dissolved	µg/L	<30	
W1593	HR02B	7/18/2007	14:43	11-0546		Lead - Dissolved	µg/L	0.41	
W1593	HR02B	7/18/2007	14:43	11-0546		Magnesium - Dissolved	mg/L	8.7	
W1593	HR02B	7/18/2007	14:43	11-0546		Manganese - Dissolved	µg/L	17	
W1593	HR02B	7/18/2007	14:43	11-0546		Molybdenum - Dissolved	µg/L	0.91	
W1593	HR02B	7/18/2007	14:43	11-0546		Nickel - Dissolved	µg/L	1.3	
W1593	HR02B	7/18/2007	14:43	11-0546		Selenium - Dissolved	µg/L	<2.6	
W1593	HR02B	7/18/2007	14:43	11-0546		Silver - Dissolved	µg/L	<0.13	
W1593	HR02B	4/24/2007	11:53	11-0298		Suspended Solids	mg/L	38	
W1593	HR02B	5/29/2007	12:32	11-0396		Suspended Solids	mg/L	2.0	
W1593	HR02B	6/26/2007	12:18	11-0505		Suspended Solids	mg/L	6.7	
W1593	HR02B	8/7/2007	11:57	11-0680		Suspended Solids	mg/L	3.6	
W1593	HR02B	9/11/2007	12:43	11-0756		Suspended Solids	mg/L	580	
W1593	HR02B	7/18/2007	14:43	11-0546		Thallium - Dissolved	µg/L	<0.16	
W1593	HR02B	4/24/2007	11:53	11-0298		Total Nitrogen	mg/L	0.81	
W1593	HR02B	5/29/2007	12:32	11-0396		Total Nitrogen	mg/L	1.1	
W1593	HR02B	6/26/2007	12:18	11-0505		Total Nitrogen	mg/L	1.2	
W1593	HR02B	8/7/2007	11:57	11-0680		Total Nitrogen	mg/L	1.0	
W1593	HR02B	9/11/2007	12:43	11-0756		Total Nitrogen	mg/L	2.9	
W1593	HR02B	4/24/2007	11:53	11-0298		Total Phosphorus	mg/L	0.040	
W1593	HR02B	5/29/2007	12:32	11-0396		Total Phosphorus	mg/L	0.036	
W1593	HR02B	6/26/2007	12:18	11-0505		Total Phosphorus	mg/L	0.057	
W1593	HR02B	8/7/2007	11:57	11-0680		Total Phosphorus	mg/L	0.053	
W1593	HR02B	9/11/2007	12:43	11-0756		Total Phosphorus	mg/L	0.79	
W1593	HR02B	4/24/2007	11:53	11-0298		True Color	PCU	<15	
W1593	HR02B	5/29/2007	12:32	11-0396		True Color	PCU	21	
W1593	HR02B	6/26/2007	12:18	11-0505		True Color	PCU	<15	
W1593	HR02B	8/7/2007	11:57	11-0680		True Color	PCU	20	
W1593	HR02B	9/11/2007	12:43	11-0756		True Color	PCU	15	
W1593	HR02B	4/24/2007	11:53	11-0298		Turbidity	NTU	26.5	
W1593	HR02B	5/29/2007	12:32	11-0396		Turbidity	NTU	2.6	
W1593	HR02B	6/26/2007	12:18	11-0505		Turbidity	NTU	4.5	
W1593	HR02B	8/7/2007	11:57	11-0680		Turbidity	NTU	3.4	
W1593	HR02B	9/11/2007	12:43	11-0756		Turbidity	NTU	285	
W1593	HR02B	7/18/2007	14:43	11-0546		Vanadium - Dissolved	µg/L	1.0	
W1593	HR02B	7/18/2007	14:43	11-0546		Zinc - Dissolved	µg/L	4.0	b
W1127	HR03	4/24/2007	11:30	11-0296	11-0305	Alkalinity	mg/L as CaCO3	25	
W1127	HR03	5/29/2007	12:20	11-0395		Alkalinity	mg/L as CaCO3	65	
W1127	HR03	6/26/2007	12:08	11-0504		Alkalinity	mg/L as CaCO3	110	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1127	HR03	8/7/2007	11:44	11-0679		Alkalinity	mg/L as CaCO ₃	110	
W1127	HR03	9/11/2007	12:30	11-0755		Alkalinity	mg/L as CaCO ₃	75	
W1127	HR03	7/18/2007	15:15	11-0545		Aluminum - Dissolved	µg/L	<40	
W1127	HR03	4/24/2007	11:30	11-0296	11-0305	Ammonia-N	mg/L	0.02	
W1127	HR03	5/29/2007	12:20	11-0395		Ammonia-N	mg/L	<0.02	
W1127	HR03	6/26/2007	12:08	11-0504		Ammonia-N	mg/L	0.03	
W1127	HR03	8/7/2007	11:44	11-0679		Ammonia-N	mg/L	<0.02	
W1127	HR03	9/11/2007	12:30	11-0755		Ammonia-N	mg/L	0.09	
W1127	HR03	7/18/2007	15:15	11-0545		Antimony - Dissolved	µg/L	0.23	
W1127	HR03	4/24/2007	11:30	11-0296	11-0305	Apparent Color	PCU	28	
W1127	HR03	5/29/2007	12:20	11-0395		Apparent Color	PCU	26	
W1127	HR03	6/26/2007	12:08	11-0504		Apparent Color	PCU	20	
W1127	HR03	8/7/2007	11:44	11-0679		Apparent Color	PCU	27	
W1127	HR03	9/11/2007	12:30	11-0755		Apparent Color	PCU	90	
W1127	HR03	7/18/2007	15:15	11-0545		Arsenic - Dissolved	µg/L	0.51	
W1127	HR03	7/18/2007	15:15	11-0545		Barium - Dissolved	µg/L	14	
W1127	HR03	7/18/2007	15:15	11-0545		Beryllium - Dissolved	µg/L	##	b, d, j
W1127	HR03	7/18/2007	15:15	11-0545		Cadmium - Dissolved	µg/L	<0.13	
W1127	HR03	7/18/2007	15:15	11-0545		Calcium - Dissolved	mg/L	29	b
W1127	HR03	7/18/2007	15:15	11-0545		Chromium - Dissolved	µg/L	2.8	
W1127	HR03	7/18/2007	15:15	11-0545		Cobalt - Dissolved	µg/L	<0.17	
W1127	HR03	7/18/2007	15:15	11-0545		Copper - Dissolved	µg/L	##	b
W1127	HR03	4/24/2007	11:30	11-0296	11-0305	<i>E. coli</i>	CFU/100mL	62	
W1127	HR03	5/29/2007	12:20	11-0395		<i>E. coli</i>	CFU/100mL	50	
W1127	HR03	6/26/2007	12:08	11-0504		<i>E. coli</i>	CFU/100mL	34	
W1127	HR03	8/7/2007	11:44	11-0679		<i>E. coli</i>	CFU/100mL	200	
W1127	HR03	9/11/2007	12:30	11-0755		<i>E. coli</i>	CFU/100mL	**	
W1127	HR03	9/27/2007	11:58	11-0791		<i>E. coli</i>	CFU/100mL	460	
W1127	HR03	7/18/2007	15:15	11-0545		Hardness	mg/L as CaCO ₃	110	
W1127	HR03	8/7/2007	11:44	11-0679		Hardness	mg/L	140	
W1127	HR03	9/11/2007	12:30	11-0755		Hardness	mg/L	78	
W1127	HR03	7/18/2007	15:15	11-0545		Iron - Dissolved	µg/L	<30	
W1127	HR03	7/18/2007	15:15	11-0545		Lead - Dissolved	µg/L	0.25	
W1127	HR03	7/18/2007	15:15	11-0545		Magnesium - Dissolved	mg/L	8.4	
W1127	HR03	7/18/2007	15:15	11-0545		Manganese - Dissolved	µg/L	17	
W1127	HR03	7/18/2007	15:15	11-0545		Molybdenum - Dissolved	µg/L	0.64	
W1127	HR03	7/18/2007	15:15	11-0545		Nickel - Dissolved	µg/L	1.1	
W1127	HR03	7/18/2007	15:15	11-0545		Selenium - Dissolved	µg/L	<2.6	
W1127	HR03	7/18/2007	15:15	11-0545		Silver - Dissolved	µg/L	<0.13	
W1127	HR03	4/24/2007	11:30	11-0296	11-0305	Suspended Solids	mg/L	36	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1127	HR03	5/29/2007	12:20	11-0395		Suspended Solids	mg/L	2.3	
W1127	HR03	6/26/2007	12:08	11-0504		Suspended Solids	mg/L	7.3	
W1127	HR03	8/7/2007	11:44	11-0679		Suspended Solids	mg/L	4.2	
W1127	HR03	9/11/2007	12:30	11-0755		Suspended Solids	mg/L	360	
W1127	HR03	7/18/2007	15:15	11-0545		Thallium - Dissolved	µg/L	<0.16	
W1127	HR03	4/24/2007	11:30	11-0296	11-0305	Total Nitrogen	mg/L	0.72	
W1127	HR03	5/29/2007	12:20	11-0395		Total Nitrogen	mg/L	0.52	
W1127	HR03	6/26/2007	12:08	11-0504		Total Nitrogen	mg/L	0.80	
W1127	HR03	8/7/2007	11:44	11-0679		Total Nitrogen	mg/L	0.69	
W1127	HR03	9/11/2007	12:30	11-0755		Total Nitrogen	mg/L	2.1	
W1127	HR03	4/24/2007	11:30	11-0296	11-0305	Total Phosphorus	mg/L	0.037	
W1127	HR03	5/29/2007	12:20	11-0395		Total Phosphorus	mg/L	0.014	
W1127	HR03	6/26/2007	12:08	11-0504		Total Phosphorus	mg/L	0.044	
W1127	HR03	8/7/2007	11:44	11-0679		Total Phosphorus	mg/L	0.015	
W1127	HR03	9/11/2007	12:30	11-0755		Total Phosphorus	mg/L	0.54	
W1127	HR03	4/24/2007	11:30	11-0296	11-0305	True Color	PCU	16	
W1127	HR03	5/29/2007	12:20	11-0395		True Color	PCU	20	
W1127	HR03	6/26/2007	12:08	11-0504		True Color	PCU	<15	
W1127	HR03	8/7/2007	11:44	11-0679		True Color	PCU	20	
W1127	HR03	9/11/2007	12:30	11-0755		True Color	PCU	20	
W1127	HR03	4/24/2007	11:30	11-0296	11-0305	Turbidity	NTU	28.5	
W1127	HR03	5/29/2007	12:20	11-0395		Turbidity	NTU	1.9	
W1127	HR03	6/26/2007	12:08	11-0504		Turbidity	NTU	2.9	
W1127	HR03	8/7/2007	11:44	11-0679		Turbidity	NTU	3.3	
W1127	HR03	9/11/2007	12:30	11-0755		Turbidity	NTU	185	
W1127	HR03	7/18/2007	15:15	11-0545		Vanadium - Dissolved	µg/L	1.0	
W1127	HR03	7/18/2007	15:15	11-0545		Zinc - Dissolved	µg/L	2.3	b
W0427	HR07	9/11/2007	12:16	11-0733		Alkalinity	mg/L as CaCO ₃	50	f
W0427	HR07	8/22/2007	13:33	11-0548		Aluminum - Dissolved	µg/L	<40	f
W0427	HR07	9/18/2007	13:22	11-0441		Aluminum - Dissolved	µg/L	<40	
W0427	HR07	4/24/2007	11:38	11-0264		Ammonia-N	mg/L	0.02	
W0427	HR07	5/29/2007	11:56	11-0377		Ammonia-N	mg/L	0.02	
W0427	HR07	6/26/2007	12:15	11-0482		Ammonia-N	mg/L	0.05	
W0427	HR07	8/7/2007	12:15	11-0657		Ammonia-N	mg/L	<0.02	
W0427	HR07	9/11/2007	12:16	11-0733		Ammonia-N	mg/L	0.16	
W0427	HR07	8/22/2007	13:33	11-0548		Antimony - Dissolved	µg/L	0.16	f
W0427	HR07	9/18/2007	13:22	11-0441		Antimony - Dissolved	µg/L	##	b
W0427	HR07	4/24/2007	11:38	11-0264		Apparent Color	PCU	<15	
W0427	HR07	5/29/2007	11:56	11-0377		Apparent Color	PCU	18	
W0427	HR07	6/26/2007	12:15	11-0482		Apparent Color	PCU	16	
W0427	HR07	8/7/2007	12:15	11-0657		Apparent Color	PCU	18	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W0427	HR07	9/11/2007	12:16	11-0733		Apparent Color	PCU	55	
W0427	HR07	8/22/2007	13:33	11-0548		Arsenic - Dissolved	µg/L	<0.51	f
W0427	HR07	9/18/2007	13:22	11-0441		Arsenic - Dissolved	µg/L	<0.51	
W0427	HR07	8/22/2007	13:33	11-0548		Barium - Dissolved	µg/L	18	f
W0427	HR07	9/18/2007	13:22	11-0441		Barium - Dissolved	µg/L	18	
W0427	HR07	8/22/2007	13:33	11-0548		Beryllium - Dissolved	µg/L	<0.20	f
W0427	HR07	9/18/2007	13:22	11-0441		Beryllium - Dissolved	µg/L	##	b
W0427	HR07	8/22/2007	13:33	11-0548		Cadmium - Dissolved	µg/L	<0.13	f
W0427	HR07	9/18/2007	13:22	11-0441		Cadmium - Dissolved	µg/L	<0.13	
W0427	HR07	8/22/2007	13:33	11-0548		Calcium - Dissolved	mg/L	44	f
W0427	HR07	9/18/2007	13:22	11-0441		Calcium - Dissolved	mg/L	40	
W0427	HR07	8/22/2007	13:33	11-0548		Chromium - Dissolved	µg/L	4.4	f
W0427	HR07	9/18/2007	13:22	11-0441		Chromium - Dissolved	µg/L	1.5	d
W0427	HR07	8/22/2007	13:33	11-0548		Cobalt - Dissolved	µg/L	<0.17	f
W0427	HR07	9/18/2007	13:22	11-0441		Cobalt - Dissolved	µg/L	<0.17	
W0427	HR07	8/22/2007	13:33	11-0548		Copper - Dissolved	µg/L	##	b
W0427	HR07	9/18/2007	13:22	11-0441		Copper - Dissolved	µg/L	##	b
W0427	HR07	4/24/2007	11:38	11-0264		<i>E. coli</i>	CFU/100mL	96	
W0427	HR07	5/29/2007	11:56	11-0377		<i>E. coli</i>	CFU/100mL	122	
W0427	HR07	6/26/2007	12:15	11-0482		<i>E. coli</i>	CFU/100mL	144	
W0427	HR07	8/7/2007	12:15	11-0657		<i>E. coli</i>	CFU/100mL	204	
W0427	HR07	9/11/2007	12:16	11-0733		<i>E. coli</i>	CFU/100mL	**	
W0427	HR07	9/27/2007	11:45	11-0773		<i>E. coli</i>	CFU/100mL	20	
W0427	HR07	5/29/2007	11:56	11-0377		Hardness	mg/L	110	
W0427	HR07	6/26/2007	12:15	11-0482		Hardness	mg/L	160	
W0427	HR07	8/7/2007	12:15	11-0657		Hardness	mg/L	170	
W0427	HR07	8/22/2007	13:33	11-0548		Hardness	mg/L as CaCO ₃	170	f
W0427	HR07	9/11/2007	12:16	11-0733		Hardness	mg/L	59	
W0427	HR07	9/18/2007	13:22	11-0441		Hardness	mg/L as CaCO ₃	150	
W0427	HR07	8/22/2007	13:33	11-0548		Iron - Dissolved	µg/L	74	f
W0427	HR07	9/18/2007	13:22	11-0441		Iron - Dissolved	µg/L	37	
W0427	HR07	8/22/2007	13:33	11-0548		Lead - Dissolved	µg/L	0.32	f
W0427	HR07	9/18/2007	13:22	11-0441		Lead - Dissolved	µg/L	<0.14	
W0427	HR07	8/22/2007	13:33	11-0548		Magnesium - Dissolved	mg/L	14	f
W0427	HR07	9/18/2007	13:22	11-0441		Magnesium - Dissolved	mg/L	12	
W0427	HR07	8/22/2007	13:33	11-0548		Manganese - Dissolved	µg/L	27	f
W0427	HR07	9/18/2007	13:22	11-0441		Manganese - Dissolved	µg/L	31	b
W0427	HR07	8/22/2007	13:33	11-0548		Molybdenum - Dissolved	µg/L	2.3	f
W0427	HR07	9/18/2007	13:22	11-0441		Molybdenum - Dissolved	µg/L	2.1	
W0427	HR07	8/22/2007	13:33	11-0548		Nickel - Dissolved	µg/L	3.0	f, j

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W0427	HR07	9/18/2007	13:22	11-0441		Nickel - Dissolved	µg/L	1.3	
W0427	HR07	8/22/2007	13:33	11-0548		Selenium - Dissolved	µg/L	<2.6	f
W0427	HR07	9/18/2007	13:22	11-0441		Selenium - Dissolved	µg/L	<2.6	
W0427	HR07	8/22/2007	13:33	11-0548		Silver - Dissolved	µg/L	0.21	f
W0427	HR07	9/18/2007	13:22	11-0441		Silver - Dissolved	µg/L	<0.13	
W0427	HR07	4/24/2007	11:38	11-0264		Suspended Solids	mg/L	21	
W0427	HR07	5/29/2007	11:56	11-0377		Suspended Solids	mg/L	3.1	
W0427	HR07	6/26/2007	12:15	11-0482		Suspended Solids	mg/L	4.1	d
W0427	HR07	8/7/2007	12:15	11-0657		Suspended Solids	mg/L	4.8	
W0427	HR07	9/11/2007	12:16	11-0733		Suspended Solids	mg/L	240	
W0427	HR07	8/22/2007	13:33	11-0548		Thallium - Dissolved	µg/L	<0.16	f
W0427	HR07	9/18/2007	13:22	11-0441		Thallium - Dissolved	µg/L	<0.16	
W0427	HR07	4/24/2007	11:38	11-0264		Total Nitrogen	mg/L	0.63	
W0427	HR07	5/29/2007	11:56	11-0377		Total Nitrogen	mg/L	1.0	
W0427	HR07	6/26/2007	12:15	11-0482		Total Nitrogen	mg/L	1.3	
W0427	HR07	8/7/2007	12:15	11-0657		Total Nitrogen	mg/L	1.2	
W0427	HR07	9/11/2007	12:16	11-0733		Total Nitrogen	mg/L	1.8	
W0427	HR07	4/24/2007	11:38	11-0264		Total Phosphorus	mg/L	0.028	
W0427	HR07	5/29/2007	11:56	11-0377		Total Phosphorus	mg/L	0.058	
W0427	HR07	6/26/2007	12:15	11-0482		Total Phosphorus	mg/L	0.085	
W0427	HR07	8/7/2007	12:15	11-0657		Total Phosphorus	mg/L	0.062	
W0427	HR07	9/11/2007	12:16	11-0733		Total Phosphorus	mg/L	0.40	
W0427	HR07	4/24/2007	11:38	11-0264		True Color	PCU	<15	
W0427	HR07	5/29/2007	11:56	11-0377		True Color	PCU	<15	
W0427	HR07	6/26/2007	12:15	11-0482		True Color	PCU	<15	
W0427	HR07	8/7/2007	12:15	11-0657		True Color	PCU	17	
W0427	HR07	9/11/2007	12:16	11-0733		True Color	PCU	<15	
W0427	HR07	4/24/2007	11:38	11-0264		Turbidity	NTU	6.5	
W0427	HR07	5/29/2007	11:56	11-0377		Turbidity	NTU	3.5	
W0427	HR07	6/26/2007	12:15	11-0482		Turbidity	NTU	1.1	
W0427	HR07	8/7/2007	12:15	11-0657		Turbidity	NTU	1.8	b
W0427	HR07	9/11/2007	12:16	11-0733		Turbidity	NTU	135	
W0427	HR07	8/22/2007	13:33	11-0548		Vanadium - Dissolved	µg/L	1.6	f
W0427	HR07	9/18/2007	13:22	11-0441		Vanadium - Dissolved	µg/L	0.54	
W0427	HR07	8/22/2007	13:33	11-0548		Zinc - Dissolved	µg/L	4.8	f, j
W0427	HR07	9/18/2007	13:22	11-0441		Zinc - Dissolved	µg/L	2.1	b
W0426	HR07A	4/24/2007	11:16	11-0260	11-0302	Alkalinity	mg/L as CaCO3	35	
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	Alkalinity	mg/L as CaCO3	77	
W0426	HR07A	6/26/2007	11:52	11-0480		Alkalinity	mg/L as CaCO3	110	f
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	Alkalinity	mg/L as CaCO3	120	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W0426	HR07A	9/11/2007	11:57	11-0731		Alkalinity	mg/L as CaCO ₃	55	f
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Aluminum - Dissolved	µg/L	<40	
W0426	HR07A	4/24/2007	11:16	11-0260	11-0302	Ammonia-N	mg/L	<0.02	
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	Ammonia-N	mg/L	<0.02	
W0426	HR07A	6/26/2007	11:52	11-0480		Ammonia-N	mg/L	<0.02	
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	Ammonia-N	mg/L	<0.02	
W0426	HR07A	9/11/2007	11:57	11-0731		Ammonia-N	mg/L	0.15	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Antimony - Dissolved	µg/L	<0.15	
W0426	HR07A	4/24/2007	11:16	11-0260	11-0302	Apparent Color	PCU	<15	
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	Apparent Color	PCU	17	d
W0426	HR07A	6/26/2007	11:52	11-0480		Apparent Color	PCU	17	
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	Apparent Color	PCU	20	
W0426	HR07A	9/11/2007	11:57	11-0731		Apparent Color	PCU	100	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Arsenic - Dissolved	µg/L	<0.51	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Barium - Dissolved	µg/L	17	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Beryllium - Dissolved	µg/L	##	b, d, j
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Cadmium - Dissolved	µg/L	<0.13	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Calcium - Dissolved	mg/L	30	b
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Chromium - Dissolved	µg/L	2.9	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Cobalt - Dissolved	µg/L	<0.17	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Copper - Dissolved	µg/L	##	b
W0426	HR07A	4/24/2007	11:16	11-0260	11-0302	<i>E. coli</i>	CFU/100mL	132	
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	<i>E. coli</i>	CFU/100mL	220	
W0426	HR07A	6/26/2007	11:52	11-0480		<i>E. coli</i>	CFU/100mL	152	
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	<i>E. coli</i>	CFU/100mL	388	
W0426	HR07A	9/11/2007	11:57	11-0731		<i>E. coli</i>	CFU/100mL	**	
W0426	HR07A	9/27/2007	11:25	11-0771		<i>E. coli</i>	CFU/100mL	340	
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	Hardness	mg/L	91	
W0426	HR07A	6/26/2007	11:52	11-0480		Hardness	mg/L	120	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Hardness	mg/L as CaCO ₃	120	
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	Hardness	mg/L	120	
W0426	HR07A	9/11/2007	11:57	11-0731		Hardness	mg/L	55	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Iron - Dissolved	µg/L	32	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Lead - Dissolved	µg/L	<0.14	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Magnesium - Dissolved	mg/L	10.0	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Manganese - Dissolved	µg/L	8.9	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Molybdenum - Dissolved	µg/L	0.32	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Nickel - Dissolved	µg/L	1.1	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Selenium - Dissolved	µg/L	<2.6	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Silver - Dissolved	µg/L	<0.13	
W0426	HR07A	4/24/2007	11:16	11-0260	11-0302	Suspended Solids	mg/L	8.6	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	Suspended Solids	mg/L	2.5	d
W0426	HR07A	6/26/2007	11:52	11-0480		Suspended Solids	mg/L	3.3	d
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	Suspended Solids	mg/L	2.6	d
W0426	HR07A	9/11/2007	11:57	11-0731		Suspended Solids	mg/L	430	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Thallium - Dissolved	µg/L	<0.16	
W0426	HR07A	4/24/2007	11:16	11-0260	11-0302	Total Nitrogen	mg/L	0.55	
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	Total Nitrogen	mg/L	0.54	
W0426	HR07A	6/26/2007	11:52	11-0480		Total Nitrogen	mg/L	0.56	
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	Total Nitrogen	mg/L	0.47	
W0426	HR07A	9/11/2007	11:57	11-0731		Total Nitrogen	mg/L	3.0	
W0426	HR07A	4/24/2007	11:16	11-0260	11-0302	Total Phosphorus	mg/L	0.016	
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	Total Phosphorus	mg/L	0.015	
W0426	HR07A	6/26/2007	11:52	11-0480		Total Phosphorus	mg/L	0.015	
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	Total Phosphorus	mg/L	0.008	
W0426	HR07A	9/11/2007	11:57	11-0731		Total Phosphorus	mg/L	0.78	
W0426	HR07A	4/24/2007	11:16	11-0260	11-0302	True Color	PCU	<15	
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	True Color	PCU	17	
W0426	HR07A	6/26/2007	11:52	11-0480		True Color	PCU	<15	
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	True Color	PCU	18	
W0426	HR07A	9/11/2007	11:57	11-0731		True Color	PCU	20	
W0426	HR07A	4/24/2007	11:16	11-0260	11-0302	Turbidity	NTU	5.7	
W0426	HR07A	5/29/2007	11:30	11-0373	11-0374	Turbidity	NTU	2.3	
W0426	HR07A	6/26/2007	11:52	11-0480		Turbidity	NTU	1.0	
W0426	HR07A	8/7/2007	11:48	11-0653	11-0654	Turbidity	NTU	2.0	b
W0426	HR07A	9/11/2007	11:57	11-0731		Turbidity	NTU	215	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Vanadium - Dissolved	µg/L	0.89	
W0426	HR07A	7/18/2007	13:14	11-0541	11-0542	Zinc - Dissolved	µg/L	1.8	b
W1732	HR07A2	8/22/2007	13:02	11-0547		Aluminum - Dissolved	µg/L	<40	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Aluminum - Dissolved	µg/L	<40	
W1732	HR07A2	8/22/2007	13:02	11-0547		Antimony - Dissolved	µg/L	1.2	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Antimony - Dissolved	µg/L	##	b, d
W1732	HR07A2	8/22/2007	13:02	11-0547		Arsenic - Dissolved	µg/L	<0.51	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Arsenic - Dissolved	µg/L	<0.51	
W1732	HR07A2	8/22/2007	13:02	11-0547		Barium - Dissolved	µg/L	16	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Barium - Dissolved	µg/L	16	
W1732	HR07A2	8/22/2007	13:02	11-0547		Beryllium - Dissolved	µg/L	<0.20	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Beryllium - Dissolved	µg/L	##	b, d
W1732	HR07A2	8/22/2007	13:02	11-0547		Cadmium - Dissolved	µg/L	<0.13	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Cadmium - Dissolved	µg/L	<0.13	
W1732	HR07A2	8/22/2007	13:02	11-0547		Calcium - Dissolved	mg/L	35	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Calcium - Dissolved	mg/L	31	
W1732	HR07A2	8/22/2007	13:02	11-0547		Chromium - Dissolved	µg/L	2.9	f

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Chromium - Dissolved	µg/L	2.6	d
W1732	HR07A2	8/22/2007	13:02	11-0547		Cobalt - Dissolved	µg/L	<0.17	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Cobalt - Dissolved	µg/L	<0.17	
W1732	HR07A2	8/22/2007	13:02	11-0547		Copper - Dissolved	µg/L	##	b
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Copper - Dissolved	µg/L	##	b, d
W1732	HR07A2	8/22/2007	13:02	11-0547		Hardness	mg/L as CaCO3	140	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Hardness	mg/L as CaCO3	120	
W1732	HR07A2	8/22/2007	13:02	11-0547		Iron - Dissolved	µg/L	30	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Iron - Dissolved	µg/L	39	
W1732	HR07A2	8/22/2007	13:02	11-0547		Lead - Dissolved	µg/L	0.19	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Lead - Dissolved	µg/L	<0.14	
W1732	HR07A2	8/22/2007	13:02	11-0547		Magnesium - Dissolved	mg/L	13	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Magnesium - Dissolved	mg/L	11	
W1732	HR07A2	8/22/2007	13:02	11-0547		Manganese - Dissolved	µg/L	6.8	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Manganese - Dissolved	µg/L	14	b
W1732	HR07A2	8/22/2007	13:02	11-0547		Molybdenum - Dissolved	µg/L	0.33	b, f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Molybdenum - Dissolved	µg/L	0.33	
W1732	HR07A2	8/22/2007	13:02	11-0547		Nickel - Dissolved	µg/L	0.86	f, j
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Nickel - Dissolved	µg/L	0.95	
W1732	HR07A2	8/22/2007	13:02	11-0547		Selenium - Dissolved	µg/L	<2.6	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Selenium - Dissolved	µg/L	<2.6	
W1732	HR07A2	8/22/2007	13:02	11-0547		Silver - Dissolved	µg/L	<0.13	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Silver - Dissolved	µg/L	<0.13	
W1732	HR07A2	8/22/2007	13:02	11-0547		Thallium - Dissolved	µg/L	<0.16	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Thallium - Dissolved	µg/L	<0.16	
W1732	HR07A2	8/22/2007	13:02	11-0547		Vanadium - Dissolved	µg/L	0.83	f
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Vanadium - Dissolved	µg/L	0.81	d
W1732	HR07A2	8/22/2007	13:02	11-0547		Zinc - Dissolved	µg/L	0.97	f, j
W1732	HR07A2	9/18/2007	12:43	11-0508	11-0762	Zinc - Dissolved	µg/L	0.33	b, d
W1730	HR07X	7/18/2007	13:55	11-0544		Aluminum - Dissolved	µg/L	<40	
W1730	HR07X	7/18/2007	13:55	11-0544		Antimony - Dissolved	µg/L	0.20	
W1730	HR07X	7/18/2007	13:55	11-0544		Arsenic - Dissolved	µg/L	<0.51	
W1730	HR07X	7/18/2007	13:55	11-0544		Barium - Dissolved	µg/L	16	
W1730	HR07X	7/18/2007	13:55	11-0544		Beryllium - Dissolved	µg/L	##	b, d, j
W1730	HR07X	7/18/2007	13:55	11-0544		Cadmium - Dissolved	µg/L	<0.13	
W1730	HR07X	7/18/2007	13:55	11-0544		Calcium - Dissolved	mg/L	33	b
W1730	HR07X	7/18/2007	13:55	11-0544		Chromium - Dissolved	µg/L	3.0	
W1730	HR07X	7/18/2007	13:55	11-0544		Cobalt - Dissolved	µg/L	<0.17	
W1730	HR07X	7/18/2007	13:55	11-0544		Copper - Dissolved	µg/L	##	b
W1730	HR07X	7/18/2007	13:55	11-0544		Hardness	mg/L as CaCO3	120	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1730	HR07X	7/18/2007	13:55	11-0544		Iron - Dissolved	µg/L	<30	
W1730	HR07X	7/18/2007	13:55	11-0544		Lead - Dissolved	µg/L	0.33	
W1730	HR07X	7/18/2007	13:55	11-0544		Magnesium - Dissolved	mg/L	9.8	
W1730	HR07X	7/18/2007	13:55	11-0544		Manganese - Dissolved	µg/L	28	
W1730	HR07X	7/18/2007	13:55	11-0544		Molybdenum - Dissolved	µg/L	0.74	
W1730	HR07X	7/18/2007	13:55	11-0544		Nickel - Dissolved	µg/L	1.4	
W1730	HR07X	7/18/2007	13:55	11-0544		Selenium - Dissolved	µg/L	<2.6	
W1730	HR07X	7/18/2007	13:55	11-0544		Silver - Dissolved	µg/L	<0.13	
W1730	HR07X	7/18/2007	13:55	11-0544		Thallium - Dissolved	µg/L	<0.16	
W1730	HR07X	7/18/2007	13:55	11-0544		Vanadium - Dissolved	µg/L	1.1	
W1730	HR07X	7/18/2007	13:55	11-0544		Zinc - Dissolved	µg/L	4.8	b
W1744	HR16.195	8/21/2007	12:27	11-0556		<i>E. coli</i>	CFU/100mL	260	
W1744	HR16.195	9/27/2007	11:10	11-0795		<i>E. coli</i>	CFU/100mL	660	
W1549	HR22.8	4/24/2007	9:22	11-0250		Ammonia-N	mg/L	<0.02	
W1549	HR22.8	5/29/2007	9:49	11-0369		Ammonia-N	mg/L	0.02	
W1549	HR22.8	6/26/2007	10:39	11-0474		Ammonia-N	mg/L	0.03	
W1549	HR22.8	8/7/2007	10:02	11-0649		Ammonia-N	mg/L	<0.02	
W1549	HR22.8	9/11/2007	10:26	11-0725		Ammonia-N	mg/L	0.03	
W1549	HR22.8	4/24/2007	9:22	11-0250		Apparent Color	PCU	<15	
W1549	HR22.8	5/29/2007	9:49	11-0369		Apparent Color	PCU	18	
W1549	HR22.8	6/26/2007	10:39	11-0474		Apparent Color	PCU	21	
W1549	HR22.8	8/7/2007	10:02	11-0649		Apparent Color	PCU	25	
W1549	HR22.8	9/11/2007	10:26	11-0725		Apparent Color	PCU	20	
W1549	HR22.8	4/24/2007	9:22	11-0250		<i>E. coli</i>	CFU/100mL	8	
W1549	HR22.8	5/29/2007	9:49	11-0369		<i>E. coli</i>	CFU/100mL	94	
W1549	HR22.8	6/26/2007	10:39	11-0474		<i>E. coli</i>	CFU/100mL	344	
W1549	HR22.8	8/7/2007	10:02	11-0649		<i>E. coli</i>	CFU/100mL	292	h
W1549	HR22.8	9/11/2007	10:26	11-0725		<i>E. coli</i>	CFU/100mL	##	a
W1549	HR22.8	9/27/2007	10:22	11-0765		<i>E. coli</i>	CFU/100mL	100	
W1549	HR22.8	4/24/2007	9:22	11-0250		Suspended Solids	mg/L	6.5	
W1549	HR22.8	5/29/2007	9:49	11-0369		Suspended Solids	mg/L	1.7	
W1549	HR22.8	6/26/2007	10:39	11-0474		Suspended Solids	mg/L	2.7	d
W1549	HR22.8	8/7/2007	10:02	11-0649		Suspended Solids	mg/L	2.3	
W1549	HR22.8	9/11/2007	10:26	11-0725		Suspended Solids	mg/L	14	
W1549	HR22.8	4/24/2007	9:22	11-0250		Total Nitrogen	mg/L	0.46	
W1549	HR22.8	5/29/2007	9:49	11-0369		Total Nitrogen	mg/L	0.44	
W1549	HR22.8	6/26/2007	10:39	11-0474		Total Nitrogen	mg/L	0.47	
W1549	HR22.8	8/7/2007	10:02	11-0649		Total Nitrogen	mg/L	0.52	
W1549	HR22.8	9/11/2007	10:26	11-0725		Total Nitrogen	mg/L	0.59	
W1549	HR22.8	4/24/2007	9:22	11-0250		Total Phosphorus	mg/L	0.019	
W1549	HR22.8	5/29/2007	9:49	11-0369		Total Phosphorus	mg/L	0.013	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1549	HR22.8	6/26/2007	10:39	11-0474		Total Phosphorus	mg/L	0.018	
W1549	HR22.8	8/7/2007	10:02	11-0649		Total Phosphorus	mg/L	0.013	
W1549	HR22.8	9/11/2007	10:26	11-0725		Total Phosphorus	mg/L	0.035	
W1549	HR22.8	4/24/2007	9:22	11-0250		True Color	PCU	<15	
W1549	HR22.8	5/29/2007	9:49	11-0369		True Color	PCU	15	
W1549	HR22.8	6/26/2007	10:39	11-0474		True Color	PCU	<15	
W1549	HR22.8	8/7/2007	10:02	11-0649		True Color	PCU	20	
W1549	HR22.8	9/11/2007	10:26	11-0725		True Color	PCU	<15	
W1549	HR22.8	4/24/2007	9:22	11-0250		Turbidity	NTU	2.6	
W1549	HR22.8	5/29/2007	9:49	11-0369		Turbidity	NTU	1.5	
W1549	HR22.8	6/26/2007	10:39	11-0474		Turbidity	NTU	2.2	
W1549	HR22.8	8/7/2007	10:02	11-0649		Turbidity	NTU	2.1	b
W1549	HR22.8	9/11/2007	10:26	11-0725		Turbidity	NTU	6.7	
W1551	HR6.71	4/24/2007	10:13	11-0288	11-0289	Ammonia-N	mg/L	<0.02	
W1551	HR6.71	5/29/2007	11:20	11-0390		Ammonia-N	mg/L	<0.02	
W1551	HR6.71	6/26/2007	11:30	11-0497		Ammonia-N	mg/L	0.04	
W1551	HR6.71	8/7/2007	10:58	11-0674		Ammonia-N	mg/L	<0.02	
W1551	HR6.71	9/11/2007	11:40	11-0746	11-0747	Ammonia-N	mg/L	0.10	
W1551	HR6.71	4/24/2007	10:13	11-0288	11-0289	Apparent Color	PCU	19	
W1551	HR6.71	5/29/2007	11:20	11-0390		Apparent Color	PCU	27	
W1551	HR6.71	6/26/2007	11:30	11-0497		Apparent Color	PCU	22	
W1551	HR6.71	8/7/2007	10:58	11-0674		Apparent Color	PCU	22	
W1551	HR6.71	9/11/2007	11:40	11-0746	11-0747	Apparent Color	PCU	100	
W1551	HR6.71	4/24/2007	10:13	11-0288	11-0289	<i>E. coli</i>	CFU/100mL	50	
W1551	HR6.71	5/29/2007	11:20	11-0390		<i>E. coli</i>	CFU/100mL	60	
W1551	HR6.71	6/26/2007	11:30	11-0497		<i>E. coli</i>	CFU/100mL	152	
W1551	HR6.71	8/7/2007	10:58	11-0674		<i>E. coli</i>	CFU/100mL	280	h
W1551	HR6.71	9/11/2007	11:40	11-0746	11-0747	<i>E. coli</i>	CFU/100mL	**	
W1551	HR6.71	9/27/2007	11:16	11-0786	11-0787	<i>E. coli</i>	CFU/100mL	2200	
W1551	HR6.71	6/26/2007	11:30	11-0497		Hardness	mg/L	130	
W1551	HR6.71	9/11/2007	11:40	11-0746	11-0747	Hardness	mg/L	68	
W1551	HR6.71	4/24/2007	10:13	11-0288	11-0289	Suspended Solids	mg/L	26	
W1551	HR6.71	5/29/2007	11:20	11-0390		Suspended Solids	mg/L	2.0	
W1551	HR6.71	6/26/2007	11:30	11-0497		Suspended Solids	mg/L	4.3	
W1551	HR6.71	8/7/2007	10:58	11-0674		Suspended Solids	mg/L	4.8	
W1551	HR6.71	9/11/2007	11:40	11-0746	11-0747	Suspended Solids	mg/L	270	
W1551	HR6.71	4/24/2007	10:13	11-0288	11-0289	Total Nitrogen	mg/L	0.65	
W1551	HR6.71	5/29/2007	11:20	11-0390		Total Nitrogen	mg/L	0.48	
W1551	HR6.71	6/26/2007	11:30	11-0497		Total Nitrogen	mg/L	0.83	
W1551	HR6.71	8/7/2007	10:58	11-0674		Total Nitrogen	mg/L	0.85	
W1551	HR6.71	9/11/2007	11:40	11-0746	11-0747	Total Nitrogen	mg/L	1.9	
W1551	HR6.71	4/24/2007	10:13	11-0288	11-0289	Total Phosphorus	mg/L	0.032	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1551	HR6.71	5/29/2007	11:20	11-0390		Total Phosphorus	mg/L	0.020	
W1551	HR6.71	6/26/2007	11:30	11-0497		Total Phosphorus	mg/L	0.052	
W1551	HR6.71	8/7/2007	10:58	11-0674		Total Phosphorus	mg/L	0.034	
W1551	HR6.71	9/11/2007	11:40	11-0746	11-0747	Total Phosphorus	mg/L	0.47	
W1551	HR6.71	4/24/2007	10:13	11-0288	11-0289	True Color	PCU	<15	
W1551	HR6.71	5/29/2007	11:20	11-0390		True Color	PCU	18	
W1551	HR6.71	6/26/2007	11:30	11-0497		True Color	PCU	16	
W1551	HR6.71	8/7/2007	10:58	11-0674		True Color	PCU	20	
W1551	HR6.71	9/11/2007	11:40	11-0746	11-0747	True Color	PCU	18	d
W1551	HR6.71	4/24/2007	10:13	11-0288	11-0289	Turbidity	NTU	16.5	
W1551	HR6.71	5/29/2007	11:20	11-0390		Turbidity	NTU	1.6	
W1551	HR6.71	6/26/2007	11:30	11-0497		Turbidity	NTU	4.7	
W1551	HR6.71	8/7/2007	10:58	11-0674		Turbidity	NTU	3.6	
W1551	HR6.71	9/11/2007	11:40	11-0746	11-0747	Turbidity	NTU	160	
W1733	HU00	5/29/2007	12:42	11-0402		Apparent Color	PCU	27	
W1733	HU00	6/26/2007	12:43	11-0440		Apparent Color	PCU	19	
W1733	HU00	5/29/2007	12:42	11-0402		Hardness	mg/L	>200	
W1733	HU00	6/26/2007	12:43	11-0440		Hardness	mg/L	45	
W1733	HU00	5/29/2007	12:42	11-0402		True Color	PCU	17	
W1733	HU00	6/26/2007	12:43	11-0440		True Color	PCU	17	
W1733	HU00	5/29/2007	12:42	11-0402		Turbidity	NTU	0.7	
W1733	HU00	6/26/2007	12:43	11-0440		Turbidity	NTU	0.5	
W1557	KDH2.29	4/24/2007	9:50	11-0270		Alkalinity	mg/L as CaCO3	23	
W1557	KDH2.29	5/29/2007	10:40	11-0380		Alkalinity	mg/L as CaCO3	38	
W1557	KDH2.29	6/26/2007	10:58	11-0485		Alkalinity	mg/L as CaCO3	50	
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	Alkalinity	mg/L as CaCO3	53	
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	Alkalinity	mg/L as CaCO3	18	
W1557	KDH2.29	4/24/2007	9:50	11-0270		Ammonia-N	mg/L	<0.02	
W1557	KDH2.29	5/29/2007	10:40	11-0380		Ammonia-N	mg/L	<0.02	
W1557	KDH2.29	6/26/2007	10:58	11-0485		Ammonia-N	mg/L	<0.02	
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	Ammonia-N	mg/L	<0.02	
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	Ammonia-N	mg/L	0.07	
W1557	KDH2.29	4/24/2007	9:50	11-0270		Apparent Color	PCU	<15	
W1557	KDH2.29	5/29/2007	10:40	11-0380		Apparent Color	PCU	<15	
W1557	KDH2.29	6/26/2007	10:58	11-0485		Apparent Color	PCU	<15	
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	Apparent Color	PCU	<15	
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	Apparent Color	PCU	280	d
W1557	KDH2.29	4/24/2007	9:50	11-0270		<i>E. coli</i>	CFU/100mL	<2	
W1557	KDH2.29	5/29/2007	10:40	11-0380		<i>E. coli</i>	CFU/100mL	4	
W1557	KDH2.29	6/26/2007	10:58	11-0485		<i>E. coli</i>	CFU/100mL	6	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	<i>E. coli</i>	CFU/100mL	60	h
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	<i>E. coli</i>	CFU/100mL	**	
W1557	KDH2.29	9/27/2007	10:30	11-0776	11-0777	<i>E. coli</i>	CFU/100mL	20	
W1557	KDH2.29	5/29/2007	10:40	11-0380		Hardness	mg/L	53	
W1557	KDH2.29	6/26/2007	10:58	11-0485		Hardness	mg/L	69	
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	Hardness	mg/L	75	
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	Hardness	mg/L	27	
W1557	KDH2.29	4/24/2007	9:50	11-0270		Suspended Solids	mg/L	6.7	
W1557	KDH2.29	5/29/2007	10:40	11-0380		Suspended Solids	mg/L	1.0	
W1557	KDH2.29	6/26/2007	10:58	11-0485		Suspended Solids	mg/L	<1.0	
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	Suspended Solids	mg/L	##	d
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	Suspended Solids	mg/L	980	
W1557	KDH2.29	4/24/2007	9:50	11-0270		Total Nitrogen	mg/L	0.84	
W1557	KDH2.29	5/29/2007	10:40	11-0380		Total Nitrogen	mg/L	0.74	
W1557	KDH2.29	6/26/2007	10:58	11-0485		Total Nitrogen	mg/L	1.0	
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	Total Nitrogen	mg/L	0.97	
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	Total Nitrogen	mg/L	3.8	
W1557	KDH2.29	4/24/2007	9:50	11-0270		Total Phosphorus	mg/L	0.011	
W1557	KDH2.29	5/29/2007	10:40	11-0380		Total Phosphorus	mg/L	<0.005	
W1557	KDH2.29	6/26/2007	10:58	11-0485		Total Phosphorus	mg/L	0.010	
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	Total Phosphorus	mg/L	<0.005	
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	Total Phosphorus	mg/L	1.3	
W1557	KDH2.29	4/24/2007	9:50	11-0270		True Color	PCU	<15	
W1557	KDH2.29	5/29/2007	10:40	11-0380		True Color	PCU	<15	
W1557	KDH2.29	6/26/2007	10:58	11-0485		True Color	PCU	<15	
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	True Color	PCU	<15	
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	True Color	PCU	25	d
W1557	KDH2.29	4/24/2007	9:50	11-0270		Turbidity	NTU	5.6	
W1557	KDH2.29	5/29/2007	10:40	11-0380		Turbidity	NTU	0.8	
W1557	KDH2.29	6/26/2007	10:58	11-0485		Turbidity	NTU	<0.5	
W1557	KDH2.29	8/7/2007	10:19	11-0660	11-0661	Turbidity	NTU	<0.5	
W1557	KDH2.29	9/11/2007	12:05	11-0736	11-0737	Turbidity	NTU	530	
W1548	MB0.68	4/24/2007	10:40	11-0258		Ammonia-N	mg/L	<0.02	
W1548	MB0.68	5/29/2007	10:56	11-0372		Ammonia-N	mg/L	<0.02	
W1548	MB0.68	6/26/2007	11:28	11-0477	11-0478	Ammonia-N	mg/L	<0.02	
W1548	MB0.68	8/7/2007	11:00	11-0652		Ammonia-N	mg/L	<0.02	
W1548	MB0.68	9/11/2007	11:23	11-0728	11-0729	Ammonia-N	mg/L	0.19	
W1548	MB0.68	4/24/2007	10:40	11-0258		Apparent Color	PCU	<15	
W1548	MB0.68	5/29/2007	10:56	11-0372		Apparent Color	PCU	<15	
W1548	MB0.68	6/26/2007	11:28	11-0477	11-0478	Apparent Color	PCU	<15	
W1548	MB0.68	8/7/2007	11:00	11-0652		Apparent Color	PCU	<15	
W1548	MB0.68	9/11/2007	11:23	11-0728	11-0729	Apparent Color	PCU	48	d

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1548	MB0.68	4/24/2007	10:40	11-0258		<i>E. coli</i>	CFU/100mL	2	
W1548	MB0.68	5/29/2007	10:56	11-0372		<i>E. coli</i>	CFU/100mL	78	
W1548	MB0.68	6/26/2007	11:28	11-0477	11-0478	<i>E. coli</i>	CFU/100mL	28	
W1548	MB0.68	8/7/2007	11:00	11-0652		<i>E. coli</i>	CFU/100mL	76	h
W1548	MB0.68	9/11/2007	11:23	11-0728	11-0729	<i>E. coli</i>	CFU/100mL	**	
W1548	MB0.68	9/27/2007	10:58	11-0768	11-0769	<i>E. coli</i>	CFU/100mL	50	
W1548	MB0.68	5/29/2007	10:56	11-0372		Hardness	mg/L	51	
W1548	MB0.68	6/26/2007	11:28	11-0477	11-0478	Hardness	mg/L	100	
W1548	MB0.68	8/7/2007	11:00	11-0652		Hardness	mg/L	120	
W1548	MB0.68	9/11/2007	11:23	11-0728	11-0729	Hardness	mg/L	50	
W1548	MB0.68	4/24/2007	10:40	11-0258		Suspended Solids	mg/L	12	
W1548	MB0.68	5/29/2007	10:56	11-0372		Suspended Solids	mg/L	1.9	
W1548	MB0.68	6/26/2007	11:28	11-0477	11-0478	Suspended Solids	mg/L	##	d
W1548	MB0.68	8/7/2007	11:00	11-0652		Suspended Solids	mg/L	<1.0	
W1548	MB0.68	9/11/2007	11:23	11-0728	11-0729	Suspended Solids	mg/L	130	d
W1548	MB0.68	4/24/2007	10:40	11-0258		Total Nitrogen	mg/L	0.66	
W1548	MB0.68	5/29/2007	10:56	11-0372		Total Nitrogen	mg/L	0.33	
W1548	MB0.68	6/26/2007	11:28	11-0477	11-0478	Total Nitrogen	mg/L	0.58	
W1548	MB0.68	8/7/2007	11:00	11-0652		Total Nitrogen	mg/L	0.63	
W1548	MB0.68	9/11/2007	11:23	11-0728	11-0729	Total Nitrogen	mg/L	1.3	
W1548	MB0.68	4/24/2007	10:40	11-0258		Total Phosphorus	mg/L	0.013	
W1548	MB0.68	5/29/2007	10:56	11-0372		Total Phosphorus	mg/L	0.007	
W1548	MB0.68	6/26/2007	11:28	11-0477	11-0478	Total Phosphorus	mg/L	0.009	
W1548	MB0.68	8/7/2007	11:00	11-0652		Total Phosphorus	mg/L	0.009	
W1548	MB0.68	9/11/2007	11:23	11-0728	11-0729	Total Phosphorus	mg/L	0.18	
W1548	MB0.68	4/24/2007	10:40	11-0258		True Color	PCU	<15	
W1548	MB0.68	5/29/2007	10:56	11-0372		True Color	PCU	<15	
W1548	MB0.68	6/26/2007	11:28	11-0477	11-0478	True Color	PCU	<15	
W1548	MB0.68	8/7/2007	11:00	11-0652		True Color	PCU	<15	
W1548	MB0.68	9/11/2007	11:23	11-0728	11-0729	True Color	PCU	22	
W1548	MB0.68	4/24/2007	10:40	11-0258		Turbidity	NTU	4.3	
W1548	MB0.68	5/29/2007	10:56	11-0372		Turbidity	NTU	1.2	
W1548	MB0.68	6/26/2007	11:28	11-0477	11-0478	Turbidity	NTU	0.6	
W1548	MB0.68	8/7/2007	11:00	11-0652		Turbidity	NTU	0.7	b
W1548	MB0.68	9/11/2007	11:23	11-0728	11-0729	Turbidity	NTU	64.0	
W1597	NBH0.17	9/11/2007	11:10	11-0758		Ammonia-N	mg/L	0.18	
W1597	NBH0.17	5/29/2007	11:00	11-0398		<i>E. coli</i>	CFU/100mL	118	
W1597	NBH0.17	6/26/2007	11:16	11-0507		<i>E. coli</i>	CFU/100mL	316	
W1597	NBH0.17	8/7/2007	10:45	11-0682		<i>E. coli</i>	CFU/100mL	380	h
W1597	NBH0.17	8/21/2007	12:05	11-0557	11-0558	<i>E. coli</i>	CFU/100mL	260	
W1597	NBH0.17	9/11/2007	11:10	11-0758		<i>E. coli</i>	CFU/100mL	**	
W1597	NBH0.17	9/27/2007	11:05	11-0794		<i>E. coli</i>	CFU/100mL	320	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1597	NBH0.17	9/11/2007	11:10	11-0758		Total Nitrogen	mg/L	1.1	
W1597	NBH0.17	9/11/2007	11:10	11-0758		Total Phosphorus	mg/L	0.34	
W1124	NBH00	4/24/2007	9:40	11-0286		Alkalinity	mg/L as CaCO3	3	
W1124	NBH00	5/29/2007	10:35	11-0389		Alkalinity	mg/L as CaCO3	6	
W1124	NBH00	6/26/2007	10:41	11-0494	11-0495	Alkalinity	mg/L as CaCO3	15	
W1124	NBH00	8/7/2007	10:30	11-0673		Alkalinity	mg/L as CaCO3	16	
W1124	NBH00	9/11/2007	10:48	11-0745		Alkalinity	mg/L as CaCO3	13	
W1124	NBH00	4/24/2007	9:40	11-0286		Ammonia-N	mg/L	<0.02	
W1124	NBH00	5/29/2007	10:35	11-0389		Ammonia-N	mg/L	<0.02	
W1124	NBH00	6/26/2007	10:41	11-0494	11-0495	Ammonia-N	mg/L	<0.02	
W1124	NBH00	8/7/2007	10:30	11-0673		Ammonia-N	mg/L	<0.02	
W1124	NBH00	9/11/2007	10:48	11-0745		Ammonia-N	mg/L	0.02	
W1124	NBH00	4/24/2007	9:40	11-0286		Apparent Color	PCU	15	
W1124	NBH00	5/29/2007	10:35	11-0389		Apparent Color	PCU	25	
W1124	NBH00	6/26/2007	10:41	11-0494	11-0495	Apparent Color	PCU	19	
W1124	NBH00	8/7/2007	10:30	11-0673		Apparent Color	PCU	<15	
W1124	NBH00	9/11/2007	10:48	11-0745		Apparent Color	PCU	30	
W1124	NBH00	4/24/2007	9:40	11-0286		<i>E. coli</i>	CFU/100mL	<2	
W1124	NBH00	5/29/2007	10:35	11-0389		<i>E. coli</i>	CFU/100mL	6	
W1124	NBH00	6/26/2007	10:41	11-0494	11-0495	<i>E. coli</i>	CFU/100mL	16	
W1124	NBH00	8/7/2007	10:30	11-0673		<i>E. coli</i>	CFU/100mL	48	h
W1124	NBH00	9/11/2007	10:48	11-0745		<i>E. coli</i>	CFU/100mL	##	a
W1124	NBH00	9/27/2007	10:45	11-0785		<i>E. coli</i>	CFU/100mL	10	
W1124	NBH00	4/24/2007	9:40	11-0286		Suspended Solids	mg/L	16	
W1124	NBH00	5/29/2007	10:35	11-0389		Suspended Solids	mg/L	<1.0	
W1124	NBH00	6/26/2007	10:41	11-0494	11-0495	Suspended Solids	mg/L	<1.0	d
W1124	NBH00	8/7/2007	10:30	11-0673		Suspended Solids	mg/L	<1.0	
W1124	NBH00	9/11/2007	10:48	11-0745		Suspended Solids	mg/L	28	
W1124	NBH00	4/24/2007	9:40	11-0286		Total Nitrogen	mg/L	0.75	
W1124	NBH00	5/29/2007	10:35	11-0389		Total Nitrogen	mg/L	0.27	
W1124	NBH00	6/26/2007	10:41	11-0494	11-0495	Total Nitrogen	mg/L	0.22	
W1124	NBH00	8/7/2007	10:30	11-0673		Total Nitrogen	mg/L	0.26	
W1124	NBH00	9/11/2007	10:48	11-0745		Total Nitrogen	mg/L	0.37	
W1124	NBH00	4/24/2007	9:40	11-0286		Total Phosphorus	mg/L	0.063	
W1124	NBH00	5/29/2007	10:35	11-0389		Total Phosphorus	mg/L	<0.005	
W1124	NBH00	6/26/2007	10:41	11-0494	11-0495	Total Phosphorus	mg/L	0.005	
W1124	NBH00	8/7/2007	10:30	11-0673		Total Phosphorus	mg/L	<0.005	
W1124	NBH00	9/11/2007	10:48	11-0745		Total Phosphorus	mg/L	0.052	
W1124	NBH00	4/24/2007	9:40	11-0286		True Color	PCU	<15	
W1124	NBH00	5/29/2007	10:35	11-0389		True Color	PCU	19	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1124	NBH00	6/26/2007	10:41	11-0494	11-0495	True Color	PCU	<15	
W1124	NBH00	8/7/2007	10:30	11-0673		True Color	PCU	<15	
W1124	NBH00	9/11/2007	10:48	11-0745		True Color	PCU	22	
W1124	NBH00	4/24/2007	9:40	11-0286		Turbidity	NTU	4.4	
W1124	NBH00	5/29/2007	10:35	11-0389		Turbidity	NTU	<0.5	
W1124	NBH00	6/26/2007	10:41	11-0494	11-0495	Turbidity	NTU	<0.5	
W1124	NBH00	8/7/2007	10:30	11-0673		Turbidity	NTU	0.5	
W1124	NBH00	9/11/2007	10:48	11-0745		Turbidity	NTU	17.0	
W1123	NBH02	4/24/2007	12:07	11-0266		Alkalinity	mg/L as CaCO3	5	
W1123	NBH02	5/29/2007	12:32	11-0378		Alkalinity	mg/L as CaCO3	15	
W1123	NBH02	6/26/2007	12:30	11-0483		Alkalinity	mg/L as CaCO3	36	f
W1123	NBH02	8/7/2007	12:37	11-0658		Alkalinity	mg/L as CaCO3	46	
W1123	NBH02	9/11/2007	12:45	11-0734		Alkalinity	mg/L as CaCO3	23	f
W1123	NBH02	4/24/2007	12:07	11-0266		Ammonia-N	mg/L	<0.02	
W1123	NBH02	5/29/2007	12:32	11-0378		Ammonia-N	mg/L	<0.02	
W1123	NBH02	6/26/2007	12:30	11-0483		Ammonia-N	mg/L	0.02	
W1123	NBH02	8/7/2007	12:37	11-0658		Ammonia-N	mg/L	<0.02	
W1123	NBH02	9/11/2007	12:45	11-0734		Ammonia-N	mg/L	0.06	
W1123	NBH02	4/24/2007	12:07	11-0266		Apparent Color	PCU	<15	
W1123	NBH02	5/29/2007	12:32	11-0378		Apparent Color	PCU	21	
W1123	NBH02	6/26/2007	12:30	11-0483		Apparent Color	PCU	21	
W1123	NBH02	8/7/2007	12:37	11-0658		Apparent Color	PCU	29	
W1123	NBH02	9/11/2007	12:45	11-0734		Apparent Color	PCU	360	
W1123	NBH02	4/24/2007	12:07	11-0266		<i>E. coli</i>	CFU/100mL	<2	
W1123	NBH02	5/29/2007	12:32	11-0378		<i>E. coli</i>	CFU/100mL	10	
W1123	NBH02	6/26/2007	12:30	11-0483		<i>E. coli</i>	CFU/100mL	6	
W1123	NBH02	8/7/2007	12:37	11-0658		<i>E. coli</i>	CFU/100mL	60	
W1123	NBH02	9/11/2007	12:45	11-0734		<i>E. coli</i>	CFU/100mL	**	
W1123	NBH02	9/27/2007	12:03	11-0774		<i>E. coli</i>	CFU/100mL	20	
W1123	NBH02	4/24/2007	12:07	11-0266		Suspended Solids	mg/L	30	
W1123	NBH02	5/29/2007	12:32	11-0378		Suspended Solids	mg/L	4.3	
W1123	NBH02	6/26/2007	12:30	11-0483		Suspended Solids	mg/L	6.3	d
W1123	NBH02	8/7/2007	12:37	11-0658		Suspended Solids	mg/L	6.8	
W1123	NBH02	9/11/2007	12:45	11-0734		Suspended Solids	mg/L	1400	
W1123	NBH02	4/24/2007	12:07	11-0266		Total Nitrogen	mg/L	0.65	
W1123	NBH02	5/29/2007	12:32	11-0378		Total Nitrogen	mg/L	0.24	
W1123	NBH02	6/26/2007	12:30	11-0483		Total Nitrogen	mg/L	0.28	
W1123	NBH02	8/7/2007	12:37	11-0658		Total Nitrogen	mg/L	0.29	
W1123	NBH02	9/11/2007	12:45	11-0734		Total Nitrogen	mg/L	3.7	
W1123	NBH02	4/24/2007	12:07	11-0266		Total Phosphorus	mg/L	0.029	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1123	NBH02	5/29/2007	12:32	11-0378		Total Phosphorus	mg/L	0.007	
W1123	NBH02	6/26/2007	12:30	11-0483		Total Phosphorus	mg/L	0.013	
W1123	NBH02	8/7/2007	12:37	11-0658		Total Phosphorus	mg/L	0.007	
W1123	NBH02	9/11/2007	12:45	11-0734		Total Phosphorus	mg/L	1.4	
W1123	NBH02	4/24/2007	12:07	11-0266		True Color	PCU	<15	
W1123	NBH02	5/29/2007	12:32	11-0378		True Color	PCU	17	
W1123	NBH02	6/26/2007	12:30	11-0483		True Color	PCU	16	
W1123	NBH02	8/7/2007	12:37	11-0658		True Color	PCU	17	
W1123	NBH02	9/11/2007	12:45	11-0734		True Color	PCU	25	
W1123	NBH02	4/24/2007	12:07	11-0266		Turbidity	NTU	21.5	
W1123	NBH02	5/29/2007	12:32	11-0378		Turbidity	NTU	6.4	
W1123	NBH02	6/26/2007	12:30	11-0483		Turbidity	NTU	6.9	
W1123	NBH02	8/7/2007	12:37	11-0658		Turbidity	NTU	10.0	b
W1123	NBH02	9/11/2007	12:45	11-0734		Turbidity	NTU	530	
W1125	PA01	4/24/2007	10:40	11-0292		Ammonia-N	mg/L	<0.02	
W1125	PA01	5/29/2007	11:35	11-0391		Ammonia-N	mg/L	<0.02	
W1125	PA01	6/26/2007	11:40	11-0502		Ammonia-N	mg/L	<0.02	
W1125	PA01	9/11/2007	12:01	11-0749		Ammonia-N	mg/L	0.07	
W1125	PA01	4/24/2007	10:40	11-0292		Apparent Color	PCU	<15	
W1125	PA01	5/29/2007	11:35	11-0391		Apparent Color	PCU	24	
W1125	PA01	6/26/2007	11:40	11-0502		Apparent Color	PCU	19	
W1125	PA01	9/11/2007	12:01	11-0749		Apparent Color	PCU	170	
W1125	PA01	4/24/2007	10:40	11-0292		<i>E. coli</i>	CFU/100mL	16	
W1125	PA01	5/29/2007	11:35	11-0391		<i>E. coli</i>	CFU/100mL	158	
W1125	PA01	6/26/2007	11:40	11-0502		<i>E. coli</i>	CFU/100mL	84	
W1125	PA01	9/11/2007	12:01	11-0749		<i>E. coli</i>	CFU/100mL	**	
W1125	PA01	4/24/2007	10:40	11-0292		Suspended Solids	mg/L	9.6	
W1125	PA01	5/29/2007	11:35	11-0391		Suspended Solids	mg/L	2.9	
W1125	PA01	6/26/2007	11:40	11-0502		Suspended Solids	mg/L	<1.0	
W1125	PA01	9/11/2007	12:01	11-0749		Suspended Solids	mg/L	490	
W1125	PA01	4/24/2007	10:40	11-0292		Total Nitrogen	mg/L	0.72	
W1125	PA01	5/29/2007	11:35	11-0391		Total Nitrogen	mg/L	0.46	
W1125	PA01	6/26/2007	11:40	11-0502		Total Nitrogen	mg/L	0.35	
W1125	PA01	9/11/2007	12:01	11-0749		Total Nitrogen	mg/L	2.2	
W1125	PA01	4/24/2007	10:40	11-0292		Total Phosphorus	mg/L	0.008	
W1125	PA01	5/29/2007	11:35	11-0391		Total Phosphorus	mg/L	0.005	
W1125	PA01	6/26/2007	11:40	11-0502		Total Phosphorus	mg/L	0.008	
W1125	PA01	9/11/2007	12:01	11-0749		Total Phosphorus	mg/L	0.57	
W1125	PA01	4/24/2007	10:40	11-0292		True Color	PCU	<15	
W1125	PA01	5/29/2007	11:35	11-0391		True Color	PCU	16	
W1125	PA01	6/26/2007	11:40	11-0502		True Color	PCU	17	
W1125	PA01	9/11/2007	12:01	11-0749		True Color	PCU	25	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1125	PA01	4/24/2007	10:40	11-0292		Turbidity	NTU	4.0	
W1125	PA01	5/29/2007	11:35	11-0391		Turbidity	NTU	0.9	
W1125	PA01	6/26/2007	11:40	11-0502		Turbidity	NTU	1.4	
W1125	PA01	9/11/2007	12:01	11-0749		Turbidity	NTU	260	
W1133	PA01.5	8/7/2007	12:35	11-0675		Ammonia-N	mg/L	<0.02	
W1133	PA01.5	8/7/2007	12:35	11-0675		Apparent Color	PCU	20	
W1133	PA01.5	8/7/2007	12:35	11-0675		<i>E. coli</i>	CFU/100mL	108	
W1133	PA01.5	9/27/2007	11:33	11-0789		<i>E. coli</i>	CFU/100mL	20	
W1133	PA01.5	8/7/2007	12:35	11-0675		Suspended Solids	mg/L	5.7	
W1133	PA01.5	8/7/2007	12:35	11-0675		Total Nitrogen	mg/L	0.33	
W1133	PA01.5	8/7/2007	12:35	11-0675		Total Phosphorus	mg/L	0.008	
W1133	PA01.5	8/7/2007	12:35	11-0675		True Color	PCU	16	
W1133	PA01.5	8/7/2007	12:35	11-0675		Turbidity	NTU	1.8	
W1550	SB0.02	4/24/2007	11:04	11-0262		Ammonia-N	mg/L	<0.02	
W1550	SB0.02	5/29/2007	11:10	11-0376		Ammonia-N	mg/L	<0.02	
W1550	SB0.02	6/26/2007	11:44	11-0481		Ammonia-N	mg/L	0.02	
W1550	SB0.02	9/11/2007	11:39	11-0732		Ammonia-N	mg/L	0.12	
W1550	SB0.02	4/24/2007	11:04	11-0262		Apparent Color	PCU	<15	
W1550	SB0.02	5/29/2007	11:10	11-0376		Apparent Color	PCU	<15	
W1550	SB0.02	6/26/2007	11:44	11-0481		Apparent Color	PCU	18	
W1550	SB0.02	9/11/2007	11:39	11-0732		Apparent Color	PCU	55	
W1550	SB0.02	4/24/2007	11:04	11-0262		<i>E. coli</i>	CFU/100mL	<2	
W1550	SB0.02	5/29/2007	11:10	11-0376		<i>E. coli</i>	CFU/100mL	216	
W1550	SB0.02	6/26/2007	11:44	11-0481		<i>E. coli</i>	CFU/100mL	440	
W1550	SB0.02	9/11/2007	11:39	11-0732		<i>E. coli</i>	CFU/100mL	**	
W1550	SB0.02	9/11/2007	11:39	11-0732		Hardness	mg/L	37	
W1550	SB0.02	4/24/2007	11:04	11-0262		Suspended Solids	mg/L	20	
W1550	SB0.02	5/29/2007	11:10	11-0376		Suspended Solids	mg/L	<1.0	
W1550	SB0.02	6/26/2007	11:44	11-0481		Suspended Solids	mg/L	9.9	d
W1550	SB0.02	9/11/2007	11:39	11-0732		Suspended Solids	mg/L	280	
W1550	SB0.02	4/24/2007	11:04	11-0262		Total Nitrogen	mg/L	0.46	
W1550	SB0.02	5/29/2007	11:10	11-0376		Total Nitrogen	mg/L	0.19	
W1550	SB0.02	6/26/2007	11:44	11-0481		Total Nitrogen	mg/L	0.40	
W1550	SB0.02	9/11/2007	11:39	11-0732		Total Nitrogen	mg/L	1.6	
W1550	SB0.02	4/24/2007	11:04	11-0262		Total Phosphorus	mg/L	0.015	
W1550	SB0.02	5/29/2007	11:10	11-0376		Total Phosphorus	mg/L	<0.005	
W1550	SB0.02	6/26/2007	11:44	11-0481		Total Phosphorus	mg/L	0.010	
W1550	SB0.02	9/11/2007	11:39	11-0732		Total Phosphorus	mg/L	0.36	
W1550	SB0.02	4/24/2007	11:04	11-0262		True Color	PCU	<15	
W1550	SB0.02	5/29/2007	11:10	11-0376		True Color	PCU	<15	
W1550	SB0.02	6/26/2007	11:44	11-0481		True Color	PCU	<15	
W1550	SB0.02	9/11/2007	11:39	11-0732		True Color	PCU	17	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1550	SB0.02	4/24/2007	11:04	11-0262		Turbidity	NTU	11.0	
W1550	SB0.02	5/29/2007	11:10	11-0376		Turbidity	NTU	0.7	
W1550	SB0.02	6/26/2007	11:44	11-0481		Turbidity	NTU	3.2	
W1550	SB0.02	9/11/2007	11:39	11-0732		Turbidity	NTU	110	
W1604	SB0.19	8/7/2007	11:20	11-0656		Ammonia-N	mg/L	<0.02	
W1604	SB0.19	8/7/2007	11:20	11-0656		Apparent Color	PCU	<15	
W1604	SB0.19	8/7/2007	11:20	11-0656		<i>E. coli</i>	CFU/100mL	200	h
W1604	SB0.19	9/27/2007	11:36	11-0772		<i>E. coli</i>	CFU/100mL	550	
W1604	SB0.19	8/7/2007	11:20	11-0656		Suspended Solids	mg/L	13	
W1604	SB0.19	8/7/2007	11:20	11-0656		Total Nitrogen	mg/L	0.43	
W1604	SB0.19	8/7/2007	11:20	11-0656		Total Phosphorus	mg/L	0.013	
W1604	SB0.19	8/7/2007	11:20	11-0656		True Color	PCU	<15	
W1604	SB0.19	8/7/2007	11:20	11-0656		Turbidity	NTU	<0.5	b
W1118	SB0.5	4/24/2007	9:40	11-0252		Ammonia-N	mg/L	<0.02	
W1118	SB0.5	5/29/2007	10:02	11-0370		Ammonia-N	mg/L	<0.02	
W1118	SB0.5	6/26/2007	10:48	11-0475		Ammonia-N	mg/L	<0.02	
W1118	SB0.5	8/7/2007	10:15	11-0650		Ammonia-N	mg/L	<0.02	
W1118	SB0.5	9/11/2007	10:37	11-0726		Ammonia-N	mg/L	0.03	
W1118	SB0.5	4/24/2007	9:40	11-0252		Apparent Color	PCU	20	
W1118	SB0.5	5/29/2007	10:02	11-0370		Apparent Color	PCU	20	
W1118	SB0.5	6/26/2007	10:48	11-0475		Apparent Color	PCU	<15	
W1118	SB0.5	8/7/2007	10:15	11-0650		Apparent Color	PCU	16	
W1118	SB0.5	9/11/2007	10:37	11-0726		Apparent Color	PCU	25	
W1118	SB0.5	4/24/2007	9:40	11-0252		<i>E. coli</i>	CFU/100mL	<2	
W1118	SB0.5	5/29/2007	10:02	11-0370		<i>E. coli</i>	CFU/100mL	8	
W1118	SB0.5	6/26/2007	10:48	11-0475		<i>E. coli</i>	CFU/100mL	32	
W1118	SB0.5	8/7/2007	10:15	11-0650		<i>E. coli</i>	CFU/100mL	44	h
W1118	SB0.5	9/11/2007	10:37	11-0726		<i>E. coli</i>	CFU/100mL	##	a
W1118	SB0.5	9/27/2007	10:28	11-0766		<i>E. coli</i>	CFU/100mL	<10	
W1118	SB0.5	4/24/2007	9:40	11-0252		Suspended Solids	mg/L	6.0	
W1118	SB0.5	5/29/2007	10:02	11-0370		Suspended Solids	mg/L	<1.0	
W1118	SB0.5	6/26/2007	10:48	11-0475		Suspended Solids	mg/L	<1.0	d
W1118	SB0.5	8/7/2007	10:15	11-0650		Suspended Solids	mg/L	<1.0	
W1118	SB0.5	9/11/2007	10:37	11-0726		Suspended Solids	mg/L	3.7	
W1118	SB0.5	4/24/2007	9:40	11-0252		Total Nitrogen	mg/L	0.32	
W1118	SB0.5	5/29/2007	10:02	11-0370		Total Nitrogen	mg/L	0.21	
W1118	SB0.5	6/26/2007	10:48	11-0475		Total Nitrogen	mg/L	0.26	
W1118	SB0.5	8/7/2007	10:15	11-0650		Total Nitrogen	mg/L	0.24	
W1118	SB0.5	9/11/2007	10:37	11-0726		Total Nitrogen	mg/L	0.39	
W1118	SB0.5	4/24/2007	9:40	11-0252		Total Phosphorus	mg/L	0.007	
W1118	SB0.5	5/29/2007	10:02	11-0370		Total Phosphorus	mg/L	<0.005	
W1118	SB0.5	6/26/2007	10:48	11-0475		Total Phosphorus	mg/L	<0.005	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1118	SB0.5	8/7/2007	10:15	11-0650		Total Phosphorus	mg/L	<0.005	
W1118	SB0.5	9/11/2007	10:37	11-0726		Total Phosphorus	mg/L	0.012	
W1118	SB0.5	4/24/2007	9:40	11-0252		True Color	PCU	18	
W1118	SB0.5	5/29/2007	10:02	11-0370		True Color	PCU	15	
W1118	SB0.5	6/26/2007	10:48	11-0475		True Color	PCU	<15	
W1118	SB0.5	8/7/2007	10:15	11-0650		True Color	PCU	<15	
W1118	SB0.5	9/11/2007	10:37	11-0726		True Color	PCU	15	
W1118	SB0.5	4/24/2007	9:40	11-0252		Turbidity	NTU	2.4	
W1118	SB0.5	5/29/2007	10:02	11-0370		Turbidity	NTU	0.9	
W1118	SB0.5	6/26/2007	10:48	11-0475		Turbidity	NTU	<0.5	
W1118	SB0.5	8/7/2007	10:15	11-0650		Turbidity	NTU	<0.5	b
W1118	SB0.5	9/11/2007	10:37	11-0726		Turbidity	NTU	3.9	
W1122	TB00	4/24/2007	10:08	11-0254	11-0255	Ammonia-N	mg/L	<0.02	
W1122	TB00	5/29/2007	10:39	11-0371		Ammonia-N	mg/L	<0.02	
W1122	TB00	6/26/2007	11:12	11-0476		Ammonia-N	mg/L	<0.02	
W1122	TB00	8/7/2007	10:37	11-0651		Ammonia-N	mg/L	<0.02	
W1122	TB00	9/11/2007	11:06	11-0727		Ammonia-N	mg/L	0.07	
W1122	TB00	4/24/2007	10:08	11-0254	11-0255	Apparent Color	PCU	20	
W1122	TB00	5/29/2007	10:39	11-0371		Apparent Color	PCU	19	
W1122	TB00	6/26/2007	11:12	11-0476		Apparent Color	PCU	<15	
W1122	TB00	8/7/2007	10:37	11-0651		Apparent Color	PCU	21	
W1122	TB00	9/11/2007	11:06	11-0727		Apparent Color	PCU	55	
W1122	TB00	4/24/2007	10:08	11-0254	11-0255	<i>E. coli</i>	CFU/100mL	20	
W1122	TB00	5/29/2007	10:39	11-0371		<i>E. coli</i>	CFU/100mL	38	
W1122	TB00	6/26/2007	11:12	11-0476		<i>E. coli</i>	CFU/100mL	18	
W1122	TB00	8/7/2007	10:37	11-0651		<i>E. coli</i>	CFU/100mL	24	h
W1122	TB00	9/11/2007	11:06	11-0727		<i>E. coli</i>	CFU/100mL	**	
W1122	TB00	9/27/2007	10:48	11-0767		<i>E. coli</i>	CFU/100mL	<10	
W1122	TB00	4/24/2007	10:08	11-0254	11-0255	Suspended Solids	mg/L	26	
W1122	TB00	5/29/2007	10:39	11-0371		Suspended Solids	mg/L	1.6	
W1122	TB00	6/26/2007	11:12	11-0476		Suspended Solids	mg/L	<1.0	d
W1122	TB00	8/7/2007	10:37	11-0651		Suspended Solids	mg/L	1.8	
W1122	TB00	9/11/2007	11:06	11-0727		Suspended Solids	mg/L	56	
W1122	TB00	4/24/2007	10:08	11-0254	11-0255	Total Nitrogen	mg/L	0.62	
W1122	TB00	5/29/2007	10:39	11-0371		Total Nitrogen	mg/L	0.40	
W1122	TB00	6/26/2007	11:12	11-0476		Total Nitrogen	mg/L	0.70	
W1122	TB00	8/7/2007	10:37	11-0651		Total Nitrogen	mg/L	0.66	
W1122	TB00	9/11/2007	11:06	11-0727		Total Nitrogen	mg/L	1.2	
W1122	TB00	4/24/2007	10:08	11-0254	11-0255	Total Phosphorus	mg/L	0.038	
W1122	TB00	5/29/2007	10:39	11-0371		Total Phosphorus	mg/L	0.011	
W1122	TB00	6/26/2007	11:12	11-0476		Total Phosphorus	mg/L	0.017	
W1122	TB00	8/7/2007	10:37	11-0651		Total Phosphorus	mg/L	0.019	

Table 6. 2007 MassDEP Hudson River Watershed water quality data

Unique ID	Station ID	Date	Time	OWMID	Duplicate	Analyte	Units	Result	Qualifier*
W1122	TB00	9/11/2007	11:06	11-0727		Total Phosphorus	mg/L	0.16	
W1122	TB00	4/24/2007	10:08	11-0254	11-0255	True Color	PCU	19	
W1122	TB00	5/29/2007	10:39	11-0371		True Color	PCU	18	
W1122	TB00	6/26/2007	11:12	11-0476		True Color	PCU	<15	
W1122	TB00	8/7/2007	10:37	11-0651		True Color	PCU	15	
W1122	TB00	9/11/2007	11:06	11-0727		True Color	PCU	20	
W1122	TB00	4/24/2007	10:08	11-0254	11-0255	Turbidity	NTU	15.5	
W1122	TB00	5/29/2007	10:39	11-0371		Turbidity	NTU	1.2	
W1122	TB00	6/26/2007	11:12	11-0476		Turbidity	NTU	0.5	
W1122	TB00	8/7/2007	10:37	11-0651		Turbidity	NTU	0.8	b
W1122	TB00	9/11/2007	11:06	11-0727		Turbidity	NTU	35.5	

*see Appendix 1 for a complete list of data symbols and qualifiers

Table7. 2007 MassDEP Hudson River Watershed *E. coli* geometric means for sites with a minimum of five samples.

Unique ID	Station ID	Waterbody	# of E. Coli Samples	Geomean* (CFU/100 mL)
W1552	BDB0.8	Broad Brook	5	17
W1591	BEB0.3	Bently Brook	5	18
W1547	BXB0.9	Buxton Brook	5	16
W1553	GE0.02	East Branch Green River	5	6
W1130	GN01A	Green River	5	33
W1128	GNK01	Green River	5	25
W1129	GNK02	Green River	5	12
W1555	GNK3.6	Green River	5	33
W1556	HO0.04	Hopper Brook	5	38
W1593	HR02B	Hoosic River	5	102
W1127	HR03	Hoosic River	5	99
W0427	HR07	Hoosic River	5	93
W0426	HR07A	Hoosic River	5	225
W1549	HR22.8	Hoosic River	5	95
W1551	HR6.71	Hoosic River	5	195
W1557	KDH2.29	Kinderhook Creek	5	9
W1548	MB0.68	Miller Brook	5	28
W1597	NBH0.17	North Branch Hoosic River	5	260
W1124	NBH00	North Branch Hoosic River	5	10
W1123	NBH02	North Branch Hoosic River	5	11
W1118	SB0.5	South Brook	5	12
W1122	TB00	Tophet Brook	5	20

*The detection limit or the upper quantification limit was used in the geometric mean calculation if the result was either below the detection limit or above the upper quantification limit. Results from duplicate samples were removed before completing the geometric mean calculation.

Table 8. 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
BB0.37	W1734	Bassett Brook	11-0605	8/3/2007	3:27 PM	Flowing	0.1		17.4		7.5	u	67		43		8.8		93	
BB0.37	W1734	Bassett Brook	11-0635	8/8/2007	11:10 AM	Flowing	0.2		16.6		7.3		55		35		8.6		90	
BB00	W1558	Bassett Brook	11-0518	6/27/2007	12:16 PM	Flowing	--		15.7	s	--		--		--		--		--	
BB00	W1558	Bassett Brook	11-0403	8/13/2007	10:45 AM	Flowing	--		15.3	s	--		--		--		--		--	
BB00	W1558	Bassett Brook	11-0802	10/17/2007	10:55 AM	Flowing	--		8.3	s	--		--		--		--		--	
BDB0.8	W1552	Broad Brook	11-0301	4/24/2007	12:29 PM	Flowing	0.3		7.7		7.2		33		21		12.4		104	
BDB0.8	W1552	Broad Brook	11-0339	5/25/2007	10:22 AM	Flowing	0.2		13.0		7.5		78		50		10.3		98	
BDB0.8	W1552	Broad Brook	11-0359	5/30/2007	10:00 AM	Flowing	0.2		11.9		7.5		81		52		10.6		99	
BDB0.8	W1552	Broad Brook	11-0452	6/22/2007	10:40 AM	Flowing	0.2		13.4		7.9		125		80		9.9	i	97	i
BDB0.8	W1552	Broad Brook	11-0463	6/27/2007	10:01 AM	Flowing	0.1		16.4		7.8		143		91		9.9		102	
BDB0.8	W1552	Broad Brook	11-0522	6/27/2007	2:59 PM	Flowing	--		18.7	s	--		--		--		--		--	
BDB0.8	W1552	Broad Brook	11-0616	8/3/2007	9:49 AM	Flowing	0.2		18.6		8.0		167		107		8.3	i	90	i
BDB0.8	W1552	Broad Brook	11-0636	8/8/2007	10:36 AM	Flowing	0.2		17.8		7.9	u	141		90		9.0		97	
BDB0.8	W1552	Broad Brook	11-0687	8/13/2007	1:17 PM	Flowing	--		18.3	s	--		--		--		--		--	
BDB0.8	W1552	Broad Brook	11-0703	9/7/2007	10:32 AM	Flowing	0.2		16.1		8.1	i	##	i	##	i	9.3	i	95	i
BDB0.8	W1552	Broad Brook	11-0714	9/14/2007	9:44 AM	Flowing	0.2		13.0		7.8		130		83		10.1		97	
BDB0.8	W1552	Broad Brook	11-0801	10/17/2007	1:07 PM	Flowing	--		9.9	s	--		--		--		--		--	
BEB0.3	W1591	Bently Brook	11-0269	4/24/2007	9:29 AM	Flowing	0.2		6.8		6.7	u	84		54		12.6		103	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
BEB0.3	W1591	Bently Brook	11-0337	5/25/2007	3:31 PM	Flowing	0.2		15.4		7.4		128		82		9.4		94	
BEB0.3	W1591	Bently Brook	11-0357	5/30/2007	2:14 PM	Flowing	0.2		14.6		7.4		141		91		9.5		94	
BEB0.3	W1591	Bently Brook	11-0462	6/22/2007	2:45 PM	Flowing	0.1		13.3		7.5		186		119		9.6	i	94	i
BEB0.3	W1591	Bently Brook	11-0473	6/27/2007	2:27 PM	Flowing	0.1		18.6		7.5		##	u	##	u	8.9		97	
BEB0.3	W1591	Bently Brook	11-0648	8/3/2007	2:35 PM	Flowing	0.2		19.7		7.6		241		154		8.2	i	91	i
BEB0.3	W1591	Bently Brook	11-0646	8/8/2007	2:34 PM	Flowing	0.1		20.3		7.6		178		114		8.4		95	
BEB0.3	W1591	Bently Brook	11-0713	9/7/2007	3:07 PM	Flowing	0.2		18.2		7.8	i	##	i	##	i	8.1	i	86	i
BEB0.3	W1591	Bently Brook	11-0724	9/14/2007	1:41 PM	Flowing	0.1		14.3		7.6		249		160		9.3		92	
BXB0.9	W1547	Buxton Brook	11-0295	4/24/2007	11:10 AM	Flowing	0.1		9.3		7.4		44		28		11.8		103	
BXB0.9	W1547	Buxton Brook	11-0344	5/25/2007	12:11 PM	Flowing	0.1		13.4		7.2		49		31		9.9		96	
BXB0.9	W1547	Buxton Brook	11-0364	5/30/2007	11:13 AM	Flowing	0.1		11.9		7.2		55		35		10.2		95	
BXB0.9	W1547	Buxton Brook	11-0455	6/22/2007	12:07 PM	Flowing	0.1		13.3		7.5		76		49		9.8	i	96	i
BXB0.9	W1547	Buxton Brook	11-0466	6/27/2007	11:12 AM	Flowing	0.0	i	16.5		7.5		90		58		9.4		97	
BXB0.9	W1547	Buxton Brook	11-0619	8/3/2007	11:14 AM	Flowing	0.1		18.5		7.7		131		84		7.5	i	81	i
BXB0.9	W1547	Buxton Brook	11-0639	8/8/2007	11:52 AM	Flowing	0.2		19.1		7.8		107		68		8.7		96	
BXB0.9	W1547	Buxton Brook	11-0706	9/7/2007	12:09 PM	Flowing	0.2		16.1		7.8	i	##	i	##	i	7.4	i	75	i
BXB0.9	W1547	Buxton Brook	11-0717	9/14/2007	11:13 AM	Flowing	0.1		13.4		7.7		131		84		9.7		93	
GE0.02	W1553	East Branch Green River	11-0275	4/24/2007	10:51 AM	Flowing	0.2		8.8		7.6		75		49		12.1		104	
GE0.02	W1553	East Branch Green River	11-0401	5/30/2007	1:15 PM	Flowing	0.3		12.9		7.7		107		68		10.0		95	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
GE0.02	W1553	East Branch Green River	11-0460	6/22/2007	1:42 PM	Flowing	0.2		13.2		7.8		121		78		9.8	i	95	i
GE0.02	W1553	East Branch Green River	11-0471	6/27/2007	1:11 PM	Flowing	0.1		17.0		7.8		132		85		9.2		96	
GE0.02	W1553	East Branch Green River	11-0624	8/3/2007	1:44 PM	Flowing	0.1		18.8		7.8		133		85		8.1	i	88	i
GE0.02	W1553	East Branch Green River	11-0644	8/8/2007	1:40 PM	Flowing	0.2		18.6		7.9		133		85		8.7		95	
GE0.02	W1553	East Branch Green River	11-0711	9/7/2007	2:09 PM	Flowing	0.2		16.5		7.7	i	##	i	##	i	8.4	i	86	i
GE0.02	W1553	East Branch Green River	11-0722	9/14/2007	12:45 PM	Flowing	0.2		13.5		7.7		130		83		9.6		93	
GE0.02A	W1728	East Branch Green River	11-0521	6/27/2007	2:19 PM	Flowing	--		17.3	s	--		--		--		--		--	
GE0.02A	W1728	East Branch Green River	11-0809	8/13/2007	12:22 PM	Flowing	--		16.9	s	--		--		--		--		--	
GE0.02A	W1728	East Branch Green River	11-0800	10/17/2007	12:07 PM	Flowing	--		9.5	s	--		--		--		--		--	
GE0.3	W1554	East Branch Green River	11-0520	6/27/2007	3:50 PM	Flowing	--		19.5	s	--		--		--		--		--	
GE0.3	W1554	East Branch Green River	11-0405	8/13/2007	12:03 PM	Flowing	--		17.3	s	--		--		--		--		--	
GE0.3	W1554	East Branch Green River	11-0799	10/17/2007	11:49 AM	Flowing	--		10.6	s	--		--		--		--		--	
GN01A	W1130	Green River	11-0285	4/24/2007	12:23 PM	Flowing	0.3		9.6		7.7		115		74		12.1		106	
GN01A	W1130	Green River	11-0343	5/25/2007	1:05 PM	Flowing	0.2		16.3		8.4		171		109		9.9		101	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
GN01A	W1130	Green River	11-0363	5/30/2007	11:38 AM	Flowing	0.2		14.1		8.3		186		119		10.5		103	
GN01A	W1130	Green River	11-0456	6/22/2007	12:27 PM	Flowing	0.3		15.5		8.3		223		142		9.6	i	98	i
GN01A	W1130	Green River	11-0467	6/27/2007	11:37 AM	Flowing	0.2		20.5		8.2		242		155		9.0		101	
GN01A	W1130	Green River	11-0620	8/3/2007	11:37 AM	Flowing	0.3		21.0		8.5		242		155		8.6	i	98	i
GN01A	W1130	Green River	11-0640	8/8/2007	12:13 PM	Flowing	0.4		20.6		8.4		228		146		9.0		103	
GN01A	W1130	Green River	11-0707	9/7/2007	12:34 PM	Flowing	0.3		19.1		8.5	i	##	i	##	i	9.2	i	100	i
GN01A	W1130	Green River	11-0718	9/14/2007	11:34 AM	Flowing	0.4		14.3		8.2		268		171		10.0		99	
GNK01	W1128	Green River	11-0277	4/24/2007	11:19 AM	Flowing	0.2		9.0		7.6		117		76		12.3		106	
GNK01	W1128	Green River	11-0341	5/25/2007	1:59 PM	Flowing	0.2		17.3		8.1		160		102		9.9		103	
GNK01	W1128	Green River	11-0361	5/30/2007	12:46 PM	Flowing	0.1		16.2		8.2		171		109		10.4		106	
GNK01	W1128	Green River	11-0458	6/22/2007	1:08 PM	Flowing	0.3		15.7		8.5		201		129		10.8	i	111	i
GNK01	W1128	Green River	11-0469	6/27/2007	12:25 PM	Flowing	0.2		22.4		8.6		210		134		9.9		115	
GNK01	W1128	Green River	11-0622	8/3/2007	1:00 PM	Flowing	0.3		23.4		8.6		220		141		9.0	i	107	i
GNK01	W1128	Green River	11-0642	8/8/2007	1:01 PM	Flowing	0.3		21.9		8.4		211		135		9.2		108	
GNK01	W1128	Green River	11-0709	9/7/2007	1:39 PM	Flowing	0.2		24.0		8.8	i	##	i	##	i	9.1	i	108	i
GNK01	W1128	Green River	11-0720	9/14/2007	12:21 PM	Flowing	0.3		16.6		8.1		250		160		9.6		99	
GNK02	W1129	Green River	11-0273	4/24/2007	10:38 AM	Flowing	0.3		8.7		7.4		135		88		12.1		104	
GNK02	W1129	Green River	11-0340	5/25/2007	2:30 PM	Flowing	0.2		14.8		7.9		173		111		9.6		96	
GNK02	W1129	Green River	11-0360	5/30/2007	1:26 PM	Flowing	0.3		13.1		7.9		191		122		9.8		94	
GNK02	W1129	Green River	11-0459	6/22/2007	1:53 PM	Flowing	0.1		13.3		8.0		226		144		9.7	i	95	i

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
GNK02	W1129	Green River	11-0470	6/27/2007	12:51 PM	Flowing	0.1		17.4		8.0		240		154		9.3		98	
GNK02	W1129	Green River	11-0623	8/3/2007	1:28 PM	Flowing	0.1		18.8		8.3		245		157		9.0	i	98	i
GNK02	W1129	Green River	11-0643	8/8/2007	1:28 PM	Flowing	0.2		18.5		8.3		234		150		9.0		98	
GNK02	W1129	Green River	11-0710	9/7/2007	2:23 PM	Flowing	0.3		17.0		8.1	i	##	i	##	i	8.4	i	88	i
GNK02	W1129	Green River	11-0721	9/14/2007	12:55 PM	Flowing	0.1		13.6		8.0		275		176		9.7		94	
GNK3.6	W1555	Green River	11-0279	4/24/2007	11:40 AM	Flowing	0.4		9.2		7.7		121		79		12.1		106	
HO0.04	W1556	Hopper Brook	11-0281	4/24/2007	11:58 AM	Flowing	0.3		7.7		7.7		59		38		12.6		105	
HO0.04	W1556	Hopper Brook	11-0362	5/30/2007	12:29 PM	Flowing	0.2		13.9		7.8		122		78		9.9		97	
HO0.04A	W1729	Hopper Brook	11-0342	5/25/2007	1:29 PM	Flowing	0.2		14.7		7.8		106		68		9.8		97	
HO0.04A	W1729	Hopper Brook	11-0457	6/22/2007	12:48 PM	Flowing	0.2		13.7		8.0		151		96		9.9	i	98	i
HO0.04A	W1729	Hopper Brook	11-0468	6/27/2007	12:05 PM	Flowing	0.0	i	17.9		7.9		161		103		9.3		99	
HO0.04A	W1729	Hopper Brook	11-0621	8/3/2007	12:10 PM	Flowing	0.2		19.2		8.0		165		105		8.7	i	96	i
HO0.04A	W1729	Hopper Brook	11-0641	8/8/2007	12:39 PM	Flowing	0.3		18.6		8.1		163		105		8.9		97	
HO0.04A	W1729	Hopper Brook	11-0708	9/7/2007	1:15 PM	Flowing	0.3		17.5		8.0	i	##	i	##	i	8.5	i	90	i
HO0.04A	W1729	Hopper Brook	11-0719	9/14/2007	11:59 AM	Flowing	0.1		14.6		7.9		153		98		9.6		95	
HR02B	W1593	Hoosic River	11-0299	39196.0	0.50194	Flowing	1.058		8.3		8		111		72		12.36		105	
HR02B	W1593	Hoosic River	11-0346	39227.0	0.46356	Flowing	0.4		16		8		249.3		159.5		11.44		115	
HR02B	W1593	Hoosic River	11-0366	39232.0	0.43645	Flowing	0.4		15		8		263.5		168.6		11.46		114	
HR02B	W1593	Hoosic River	11-0453	39255.0	0.46701	Flowing	0.3		17		8		364.3		233.1		10	i	106	i
HR02B	W1593	Hoosic River	11-0464	6/27/2007	10:24 AM	Flowing	0.2		21.2		8.0		391		251		9.6		109	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
HR02B	W1593	Hoosic River	11-0617	8/3/2007	10:23 AM	Flowing	0.2		22.5		8.3		388		249		9.0	i	105	i
HR02B	W1593	Hoosic River	11-0637	8/8/2007	10:58 AM	Flowing	0.5		20.8		8.0		390		249		8.4		96	
HR02B	W1593	Hoosic River	11-0704	9/7/2007	11:16 AM	Flowing	0.2		19.2		8.4	i	##	i	##	i	10.7	i	117	i
HR02B	W1593	Hoosic River	11-0715	9/14/2007	10:05 AM	Flowing	0.4		14.8		7.8		324		207		9.4		94	
HR03	W1127	Hoosic River	11-0297	4/24/2007	11:36 AM	Flowing	0.8		8.1		7.5		102	u	67	u	12.5		106	
HR03	W1127	Hoosic River	11-0345	5/25/2007	11:39 AM	Flowing	0.1		16.0		8.4		229		147		11.7		120	
HR03	W1127	Hoosic River	11-0365	5/30/2007	10:55 AM	Flowing	0.6		15.0		8.3		241		154		11.5		115	
HR03	W1127	Hoosic River	11-0454	6/22/2007	11:47 AM	Flowing	0.4		16.8		8.2		338		217		9.9	i	105	i
HR03	W1127	Hoosic River	11-0465	6/27/2007	10:47 AM	Flowing	0.6		21.3		8.1		369		236		9.8		111	
HR03	W1127	Hoosic River	11-0618	8/3/2007	10:54 AM	Flowing	0.4		22.5		8.3		374		239		8.7	i	102	i
HR03	W1127	Hoosic River	11-0638	8/8/2007	11:27 AM	Flowing	0.6		20.7		8.1		374		239		8.7		99	
HR03	W1127	Hoosic River	11-0705	9/7/2007	11:45 AM	Flowing	0.5		19.4		8.4	i	##	i	##	i	10.2	i	111	i
HR03	W1127	Hoosic River	11-0716	9/14/2007	10:39 AM	Flowing	0.4		14.7		7.9		298		191		9.6		95	
HR07	W0427	Hoosic River	11-0265	4/24/2007	11:48 AM	Flowing	0.2		8.9		7.7		145		93		11.5		101	
HR07	W0427	Hoosic River	11-0537	7/16/2007	3:06 PM	Flowing	0.8		21.1		8.3		374		243		9.2		103	
HR07A	W0426	Hoosic River	11-0263	4/24/2007	11:23 AM	Flowing	0.2		8.4		7.6		122		78		12.1		105	
HR07A.5	W1598	Hoosic River	11-0321	5/25/2007	12:21 PM	Flowing	0.3		17.7		8.6		245	i	157	i	11.0		116	
HR07A.5	W1598	Hoosic River	11-0352	5/30/2007	12:00 PM	Flowing	0.3		16.9		8.8		265		170		12.0		124	
HR07A.5	W1598	Hoosic River	11-0425	6/22/2007	1:37 PM	Flowing	0.3		16.8		8.3		324		208		9.6		101	
HR07A.5	W1598	Hoosic River	11-0436	6/27/2007	12:04 PM	Flowing	0.2		22.8		8.5		361		231		9.5		111	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
HR07A.5	W1598	Hoosic River	11-0536	7/16/2007	2:16 PM	Flowing	0.3		21.9		8.6		320		208		9.8		112	
HR07A.5	W1598	Hoosic River	11-0601	8/3/2007	12:14 PM	Flowing	0.2		23.9		8.8		355		227		10.5		127	
HR07A.5	W1598	Hoosic River	11-0631	8/8/2007	12:57 PM	Flowing	0.3		21.5		8.4		295		189		9.1		105	
HR07A.5	W1598	Hoosic River	11-0573	9/7/2007	12:21 PM	Flowing	0.2		20.3		8.8		398		255		12.2		135	
HR07A.5	W1598	Hoosic River	11-0689	9/14/2007	11:43 AM	Flowing	0.3		15.7		8.4		311		199		10.5		107	
HR07B.5	W1731	Hoosic River	11-0322	5/25/2007	12:56 PM	Flowing	0.3		17.7		8.4		300	i	192	i	10.3		109	
HR07B.5	W1731	Hoosic River	11-0353	5/30/2007	12:37 PM	Flowing	0.5		16.4		8.4		331		212		10.8		111	
HR07B.5	W1731	Hoosic River	11-0426	6/22/2007	2:08 PM	Flowing	0.3		16.7		8.2		380		243		8.9		94	
HR07B.5	W1731	Hoosic River	11-0435	6/27/2007	12:41 PM	Flowing	0.2		20.8		8.4		415		266		8.9		101	
HR07B.5	W1731	Hoosic River	11-0602	8/3/2007	12:44 PM	Flowing	0.4		22.0		8.3		411		263		9.7		113	
HR07B.5	W1731	Hoosic River	11-0632	8/8/2007	1:33 PM	Flowing	0.4		20.9		8.1		344		220		8.5		98	
HR07B.5	W1731	Hoosic River	11-0574	9/7/2007	12:51 PM	Flowing	0.6		18.4		8.3		453		290		10.7		114	
HR07B.5	W1731	Hoosic River	11-0690	9/14/2007	12:09 PM	Flowing	0.6		15.4		8.1		376		241		9.5		96	
HR13.06	W1738	Hoosic River	11-0538	7/16/2007	3:31 PM	Flowing	0.6		21.4		8.3		375		244		9.1		103	
HR13.15	W1739	Hoosic River	11-0539	7/16/2007	3:58 PM	Flowing	0.6		21.7		8.4		373		243		9.0		102	
HR13.31	W1740	Hoosic River	11-0540	7/16/2007	4:27 PM	Flowing	0.5		21.8		8.4		355		231		9.0		102	
HR15.72	W1741	Hoosic River	11-0535	7/16/2007	1:50 PM	Flowing	0.3		21.2		8.6		317		206		9.5		107	
HR15.79	W1742	Hoosic River	11-0533	7/16/2007	12:30 PM	Flowing	0.2		20.1		8.5		312		203		10.1		111	
HR15.96	W1743	Hoosic River	11-0534	7/16/2007	1:18 PM	Flowing	0.2		20.4		8.5		310		201		9.7		107	
HR16.195	W1744	Hoosic River	11-0532	7/16/2007	11:34 AM	Flowing	0.2		18.9		8.4		300		195		10.1		108	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
HR16.71	W1745	Hoosic River	11-0531	7/16/2007	10:59 AM	Flowing	0.0		18.2		8.3		286		186		10.3		110	
HR16.895	W1746	Hoosic River	11-0530	7/16/2007	10:27 AM	Flowing	###	i	17.6		8.0		287		186		9.9		104	
HR16.895	W1746	Hoosic River	11-0761	9/14/2007	10:48 AM	Flowing	0.2		14.7		8.3		295		189		10.4		103	
HR22.8	W1549	Hoosic River	11-0251	4/24/2007	9:32 AM	Flowing	0.2		10.6		7.8		165		106		11.0		101	
HR22.8	W1549	Hoosic River	11-0317	5/25/2007	10:36 AM	Flowing	0.2		18.8		8.7		212	i	135	i	8.7		94	
HR22.8	W1549	Hoosic River	11-0348	5/30/2007	10:26 AM	Flowing	0.1		17.9		8.3		219		141		8.4		89	
HR22.8	W1549	Hoosic River	11-0421	6/22/2007	11:42 AM	Flowing	0.1		19.1		7.9		258		165		7.9		87	
HR22.8	W1549	Hoosic River	11-0431	6/27/2007	10:34 AM	Flowing	0.2		22.3		7.9		274		175		7.6		89	
HR22.8	W1549	Hoosic River	11-0517	6/27/2007	1:23 PM	Flowing	--		24.0	s	--		--		--		--		--	
HR22.8	W1549	Hoosic River	11-0597	8/3/2007	10:53 AM	Flowing	0.1		23.6		8.0		263		169		7.6		91	
HR22.8	W1549	Hoosic River	11-0627	8/8/2007	10:20 AM	Flowing	0.2		21.1		7.7		232		149		7.2		82	
HR22.8	W1549	Hoosic River	11-0404	8/13/2007	11:06 AM	Flowing	--		22.0	s	--		--		--		--		--	
HR22.8	W1549	Hoosic River	11-0569	9/7/2007	10:54 AM	Flowing	0.2		18.3		7.6		304		195		8.1		86	
HR22.8	W1549	Hoosic River	11-0579	9/14/2007	9:54 AM	Flowing	0.3		17.9		7.8		287		184		8.4		90	
HR22.8	W1549	Hoosic River	11-0796	10/4/2007	10:43 AM	Flowing	--		17.1	s	--		--		--		--		--	
HR6.71	W1551	Hoosic River	11-0291	4/24/2007	10:19 AM	Flowing	0.3		7.5		7.2		92		60		12.8		107	
HR6.71	W1551	Hoosic River	11-0324	5/25/2007	2:26 PM	Flowing	0.2		18.7		8.9		236	i	151	i	10.9		117	
HR6.71	W1551	Hoosic River	11-0355	5/30/2007	2:14 PM	Flowing	0.2		17.9		9.0		249		160		11.2		119	
HR6.71	W1551	Hoosic River	11-0428	6/22/2007	3:28 PM	Flowing	0.1		17.0		8.4		366		234		9.5		100	
HR6.71	W1551	Hoosic River	11-0438	6/27/2007	2:22 PM	Flowing	0.1		23.6		8.4		386		247		9.5		113	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
HR6.71	W1551	Hoosic River	11-0604	8/3/2007	2:08 PM	Flowing	0.3		24.5		8.8		396		253		11.7		142	
HR6.71	W1551	Hoosic River	11-0634	8/8/2007	2:48 PM	Flowing	0.6		21.4		8.5		348		222		9.2		107	
HR6.71	W1551	Hoosic River	11-0576	9/7/2007	2:03 PM	Flowing	0.3		20.2		8.5		449		287		11.5		127	
HR6.71	W1551	Hoosic River	11-0692	9/14/2007	1:34 PM	Flowing	0.6		15.8		8.2		315		201		10.2		104	
KB00	W1119	Kitchen Brook	11-0316	5/25/2007	10:00 AM	Flowing	0.2		11.8		7.3	u	80	i	51	i	10.6		98	
KB00	W1119	Kitchen Brook	11-0368	5/30/2007	10:00 AM	Flowing	0.2		11.2		7.3	u	84		54		10.6		97	
KB00	W1119	Kitchen Brook	11-0420	6/22/2007	11:01 AM	Flowing	0.3		12.9		##	u	104		66		9.9		96	
KB00	W1119	Kitchen Brook	11-0430	6/27/2007	10:15 AM	Flowing	0.3		15.1		7.6	u	112		72		9.6		97	
KB00	W1119	Kitchen Brook	11-0519	6/27/2007	1:41 PM	Flowing	--		16.4	s	--		--		--		--		--	
KB00	W1119	Kitchen Brook	11-0596	8/3/2007	10:26 AM	Flowing	##	i	16.6		7.6	u	111		71		9.3		97	
KB00	W1119	Kitchen Brook	11-0626	8/8/2007	10:06 AM	Flowing	0.2		16.7		7.7		104		67		8.9		93	
KB00	W1119	Kitchen Brook	11-0615	8/13/2007	11:26 AM	Flowing	--		15.6	s	--		--		--		--		--	
KB00	W1119	Kitchen Brook	11-0568	9/7/2007	10:15 AM	Flowing	0.2		13.8		7.8		134		86		10.0		97	
KB00	W1119	Kitchen Brook	11-0578	9/14/2007	9:24 AM	Flowing	0.2		12.3		7.6		113		72		10.3		97	
KB00	W1119	Kitchen Brook	11-0803	10/17/2007	11:15 AM	Flowing	--		9.0	s	--		--		--		--		--	
KDH2.29	W1557	Kinderhook Creek	11-0271	4/24/2007	9:59 AM	Flowing	0.2		8.4		7.1		105		68		11.9		102	
KDH2.29	W1557	Kinderhook Creek	11-0338	5/25/2007	3:08 PM	Flowing	0.1		14.9		7.3		148		95		9.8		97	
KDH2.29	W1557	Kinderhook Creek	11-0358	5/30/2007	1:57 PM	Flowing	0.2		13.9		7.3		159		102		9.9		96	
KDH2.29	W1557	Kinderhook Creek	11-0461	6/22/2007	2:30 PM	Flowing	0.2		12.0		7.4		187		120		9.7	i	93	i

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
KDH2.29	W1557	Kinderhook Creek	11-0472	6/27/2007	2:08 PM	Flowing	0.1		14.9		7.3		203		130		9.8		98	
KDH2.29	W1557	Kinderhook Creek	11-0625	8/3/2007	2:17 PM	Flowing	0.1		16.4		7.5		201		129		9.0	i	94	i
KDH2.29	W1557	Kinderhook Creek	11-0645	8/8/2007	2:14 PM	Flowing	0.2		16.8		7.6		203		130		9.4		99	
KDH2.29	W1557	Kinderhook Creek	11-0712	9/7/2007	2:51 PM	Flowing	0.2		14.8		7.5	i	##	i	##	i	9.1	i	90	i
KDH2.29	W1557	Kinderhook Creek	11-0723	9/14/2007	1:25 PM	Flowing	0.2		13.0		7.5		214		137		9.6		92	
MB0.68	W1548	Miller Brook	11-0259	4/24/2007	10:49 AM	Flowing	0.3		6.4		7.2		61		39		12.1		100	
MB0.68	W1548	Miller Brook	11-0320	5/25/2007	11:55 AM	Flowing	0.2		13.2		7.8		147	i	94	i	9.8		94	
MB0.68	W1548	Miller Brook	11-0351	5/30/2007	11:40 AM	Flowing	0.3		12.3		7.8		163		104		10.1		95	
MB0.68	W1548	Miller Brook	11-0424	6/22/2007	1:08 PM	Flowing	0.1		13.5		8.1		279		178		9.7		95	
MB0.68	W1548	Miller Brook	11-0434	6/27/2007	11:38 AM	Flowing	0.2		16.9		8.0		304		195		9.1		95	
MB0.68	W1548	Miller Brook	11-0516	6/27/2007	11:39 AM	Flowing	--		16.7	s	--		--		--		--		--	
MB0.68	W1548	Miller Brook	11-0600	8/3/2007	11:48 AM	Flowing	0.2		18.6		8.0		347		222		8.8		95	
MB0.68	W1548	Miller Brook	11-0630	8/8/2007	11:52 AM	Flowing	0.2		18.4		8.0		226		145		8.4		91	
MB0.68	W1548	Miller Brook	11-0400	8/13/2007	10:17 AM	Flowing	--		16.7	s	--		--		--		--		--	
MB0.68	W1548	Miller Brook	11-0572	9/7/2007	12:00 PM	Flowing	0.2		16.2		8.0		402		258		9.1		93	
MB0.68	W1548	Miller Brook	11-0797	9/7/2007	2:59 PM	Flowing	--		15.2	s	--		--		--		--		--	
MB0.68	W1548	Miller Brook	11-0688	9/14/2007	11:22 AM	Flowing	0.1		13.7		8.0		280		179		9.9		96	
MB0.68	W1548	Miller Brook	11-0798	10/4/2007	12:00 PM	Flowing	--		15.6	s	--		--		--		--		--	
NBH00	W1124	North Branch Hoosic River	11-0287	4/24/2007	9:30 AM	Flowing	0.1		5.3		5.8		24		15		12.7		100	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
NBH00	W1124	North Branch Hoosic River	11-0323	5/25/2007	1:38 PM	Flowing	0.6		17.3		7.1	u	45	i	29	i	9.2		97	
NBH00	W1124	North Branch Hoosic River	11-0354	5/30/2007	1:36 PM	Flowing	0.5		16.6		7.2		47		30		9.4		96	
NBH00	W1124	North Branch Hoosic River	11-0427	6/22/2007	2:47 PM	Flowing	0.3		14.4		##	u	73		46		10.0		100	
NBH00	W1124	North Branch Hoosic River	11-0437	6/27/2007	1:29 PM	Flowing	0.3		21.3		7.3		83		53		9.6		109	
NBH00	W1124	North Branch Hoosic River	11-0603	8/3/2007	1:21 PM	Flowing	0.3		23.2		7.2	u	98		63		8.5		101	
NBH00	W1124	North Branch Hoosic River	11-0633	8/8/2007	2:09 PM	Flowing	0.4		19.9		7.1		62		40		8.3		93	
NBH00	W1124	North Branch Hoosic River	11-0575	9/7/2007	1:25 PM	Flowing	0.2		20.3		7.3	u	106		68		9.5		105	
NBH00	W1124	North Branch Hoosic River	11-0691	9/14/2007	12:52 PM	Flowing	0.5		15.2		7.1		76		49		9.3		93	
NBH02	W1123	North Branch Hoosic River	11-0267	4/24/2007	12:16 PM	Flowing	0.4		6.2		7.0		27		17		12.1		99	
PA01	W1125	Paull Brook	11-0293	4/24/2007	10:48 AM	Flowing	0.2		8.2		7.7		141		92		12.2		103	
PA01	W1125	Paull Brook	11-0325	5/25/2007	2:50 PM	Flowing	0.2		20.0		8.3		327	i	209	i	9.3		102	
PA01	W1125	Paull Brook	11-0356	5/30/2007	2:37 PM	Flowing	0.2		18.7		8.3		327		210		9.3		100	
PA01	W1125	Paull Brook	11-0429	6/22/2007	3:48 PM	Flowing	0.1		16.7		8.1		##	u	##	u	8.7		92	
PA01	W1125	Paull Brook	11-0439	6/27/2007	2:44 PM	Flowing	0.1		24.8		8.4		339		217		8.3		101	
PA01	W1125	Paull Brook	11-0810	8/3/2007	**	No Water	^^		^^		^^		^^		^^		^^		^^	
PA01	W1125	Paull Brook	11-0577	9/7/2007	**	No Water	^^		^^		^^		^^		^^		^^		^^	
PA01	W1125	Paull Brook	11-0693	9/14/2007	1:58 PM	Flowing	0.1		16.8		8.3		400		256		9.3		97	
PA01	W1125	Paull Brook	11-0811	**	**	No Water	^^		^^		^^		^^		^^		^^		^^	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
SB0.02	W1550	Southwick Brook	11-0261	4/24/2007	11:05 AM	Flowing	0.2		6.3		7.1		26		17		12.1		100	
SB0.5	W1118	South Brook	11-0253	4/24/2007	9:49 AM	Flowing	0.2		7.5		7.3		42		27		11.5		98	
SB0.5	W1118	South Brook	11-0318	5/25/2007	10:59 AM	**	0.2		13.2		7.7		69	i	44	i	10.0		96	
SB0.5	W1118	South Brook	11-0349	5/30/2007	10:44 AM	**	0.2		12.2		7.8		75		48		10.3		97	
SB0.5	W1118	South Brook	11-0422	6/22/2007	11:58 AM	Flowing	0.2		13.3		7.8		83		53		9.9		97	
SB0.5	W1118	South Brook	11-0432	6/27/2007	10:51 AM	Flowing	0.2		17.9		7.9		100		64		9.3		99	
SB0.5	W1118	South Brook	11-0598	8/3/2007	11:06 AM	Flowing	0.1		19.1		8.1		117		75		9.4		103	
SB0.5	W1118	South Brook	11-0628	8/8/2007	10:40 AM	Flowing	0.3		18.1		7.5		59		38		8.8		95	
SB0.5	W1118	South Brook	11-0570	9/7/2007	11:13 AM	Flowing	0.1		15.5		8.4		98		62		10.5		106	
SB0.5	W1118	South Brook	11-0580	9/14/2007	10:14 AM	Flowing	0.2		12.5		7.9		107		69		10.6		100	
SF01	W1735	Broad Brook	11-0526	7/9/2007	12:58 PM	Flowing	--		18.1	s	--		--		--		--		--	
SF01	W1735	Broad Brook	11-0549	8/13/2007	1:46 PM	Flowing	--		19.2	s	--		--		--		--		--	
SF01	W1735	Broad Brook	11-0804	10/17/2007	1:29 PM	Flowing	--		11.2	s	--		--		--		--		--	
SF02	W1736	Broad Brook	11-0527	7/9/2007	1:41 PM	Flowing	--		18.2	s	--		--		--		--		--	
SF02	W1736	Broad Brook	11-0550	8/13/2007	1:55 PM	Flowing	--		18.6	s	--		--		--		--		--	
SF02	W1736	Broad Brook	11-0805	10/17/2007	2:08 PM	Flowing	--		10.4	s, i	--		--		--		--		--	
SF03	W1737	Unnamed Tributary	11-0528	7/9/2007	2:27 PM	Flowing	--		19.8	s	--		--		--		--		--	
SF03	W1737	Unnamed Tributary	11-0551	8/13/2007	2:03 PM	Flowing	--		19.6	s	--		--		--		--		--	
SF03	W1737	Unnamed Tributary	11-0554	8/13/2007	2:43 PM	Flowing	--		19.5	s	--		--		--		--		--	

Table 8 (continued): 2007 MassDEP Hudson River Watershed attended probe data

Station ID	Unique ID	Water Body	OWMID	Date	Time	Flow Condition	Sample Depth (meters)	Depth Qualifiers*	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductivity (uS/cm)	Specific Conductivity Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Saturation (%)	Saturation Qualifiers*
SF03	W1737	Unnamed Tributary	11-0555	8/13/2007	3:05 PM	Flowing	--		19.1	s	--		--		--		--		--	
SF03	W1737	Unnamed Tributary	11-0806	10/17/2007	1:56 PM	Flowing	--		18.7	s	--		--		--		--		--	
TB00	W1122	Tophet Brook	11-0257	4/24/2007	10:17 AM	Flowing	0.2		4.8		7.1		48		30		12.3		98	
TB00	W1122	Tophet Brook	11-0319	5/25/2007	11:24 AM	Flowing	0.2		14.0		7.9		131	i	84	i	10.1		99	
TB00	W1122	Tophet Brook	11-0350	5/30/2007	11:16 AM	Flowing	0.6		12.9		8.0		148		95		10.1		97	
TB00	W1122	Tophet Brook	11-0423	6/22/2007	12:28 PM	Flowing	0.2		13.9		8.1		231		148		9.8		97	
TB00	W1122	Tophet Brook	11-0433	6/27/2007	11:20 AM	Flowing	0.1		18.5		8.1		245		157		9.1		98	
TB00	W1122	Tophet Brook	11-0599	8/3/2007	11:30 AM	Flowing	0.3		19.8		8.2		315		202		9.0		100	
TB00	W1122	Tophet Brook	11-0629	8/8/2007	11:38 AM	Flowing	0.3		18.5		7.9		161		104		8.7		95	
TB00	W1122	Tophet Brook	11-0571	9/7/2007	11:41 AM	Flowing	0.2		16.9		8.3		304		195		9.9		103	
TB00	W1122	Tophet Brook	11-0581	9/14/2007	11:08 AM	Flowing	0.3		13.2		8.1		187		120		10.2		98	

*see Appendix 1 for a complete list of data symbols and qualifiers

Table 9. 2007 MassDEP Hudson River Watershed summary of unattended probe temperature data

Unique ID	Station ID	Water Body	OWMID	Flow Condition	Start Date	End Date	Deployment Duration (Hours)	Average (deg. C)	Minimum (deg. C)	Maximum (deg. C)	Mean of the Daily Maximum (deg. C)	Amount of Time > 20 deg. C (Hours)	Percentage of Time > 20 deg. C (%)	Amount of Time > 28.3 deg. C (Hours)	Average Daily Amount of Time > 20 deg. C (Hours)
W1734	BB0.37	Bassett Brook	11-0595	Flowing	8/3/2007	8/8/2007	115.5	15.7	14.5	17.4	16.2	0.0	0%	0.0	0.0
W1552	BDB0.8	Broad Brook	11-0326	Flowing	5/25/2007	5/30/2007	119.5	13.4	11.2	15.6	14.7	0.0	0%	0.0	0.0
W1552	BDB0.8	Broad Brook	11-0442	Flowing	6/22/2007	6/27/2007	119.0	13.9	10.6	18.0	15.5	0.0	0%	0.0	0.0
W1552	BDB0.8	Broad Brook	11-0606	Flowing	8/3/2007	8/8/2007	120.5	18.1	16.1	20.6	18.9	8.7	7%	0.0	0.7
W1552	BDB0.8	Broad Brook	11-0694	Flowing	9/7/2007	9/12/2007	125.0	16.9	14.3	18.9	17.6	0.0	0%	0.0	0.0
W1547	BXB0.9	Buxton Brook	11-0334	Flowing	5/25/2007	5/30/2007	118.7	12.6	10.4	14.5	13.9	0.0	0%	0.0	0.0
W1547	BXB0.9	Buxton Brook	11-0445	Flowing	6/22/2007	6/27/2007	118.5	13.9	10.2	18.0	15.6	0.0	0%	0.0	0.0
W1547	BXB0.9	Buxton Brook	11-0609	Flowing	8/3/2007	8/8/2007	120.0	17.7	15.2	20.2	18.7	2.1	2%	0.0	0.0
W1547	BXB0.9	Buxton Brook	11-0697	Flowing	9/7/2007	9/12/2007	107.0	17.3	15.8	19.0	17.8	0.0	0%	0.0	0.0
W1553	GE0.02	East Branch Green River	11-0450	Flowing	6/22/2007	6/25/2007	25.5	12.3	10.9	13.3	--	0.0	0%	0.0	--
W1553	GE0.02	East Branch Green River	11-0614	Flowing	8/3/2007	8/8/2007	119.5	17.0	14.9	19.1	17.5	0.0	0%	0.0	0.0
W1553	GE0.02	East Branch Green River	11-0702	Flowing	9/7/2007	9/12/2007	81.0	17.0	16.4	18.2	17.6	0.0	0%	0.0	0.0
W1130	GN01A	Green River	11-0329	Flowing	5/25/2007	5/30/2007	118.3	15.2	11.8	18.7	18.0	0.0	0%	0.0	0.0
W1130	GN01A	Green River	11-0446	Flowing	6/22/2007	6/27/2007	119.0	17.4	12.0	24.1	20.8	24.7	21%	0.0	5.2
W1130	GN01A	Green River	11-0610	Flowing	8/3/2007	8/8/2007	120.0	20.5	17.2	24.5	22.4	64.9	54%	0.0	11.5
W1130	GN01A	Green River	11-0698	Flowing	9/7/2007	9/12/2007	106.5	19.9	16.8	23.3	20.8	51.5	48%	0.0	13.6
W1128	GNK01	Green River	11-0328	Flowing	5/25/2007	5/30/2007	118.5	14.6	11.1	18.4	17.8	0.0	0%	0.0	0.0
W1128	GNK01	Green River	11-0448	Flowing	6/22/2007	6/27/2007	118.5	16.9	11.3	24.8	21.6	20.5	17%	0.0	4.7
W1128	GNK01	Green River	11-0612	Flowing	8/3/2007	8/8/2007	119.5	19.7	15.9	24.8	22.9	45.1	38%	0.0	8.5
W1128	GNK01	Green River	11-0700	Flowing	9/7/2007	9/12/2007	122.0	19.1	14.6	25.4	21.0	35.5	29%	0.0	6.4

Table 9 (continued). 2007 MassDEP Hudson River Watershed summary of unattended probe temperature data

Unique ID	Station ID	Water Body	OWMID	Flow Condition	Start Date	End Date	Deployment Duration (Hours)	Average (deg. C)	Minimum (deg. C)	Maximum (deg. C)	Mean of the Daily Maximum (deg. C)	Amount of Time > 20 deg. C (Hours)	Percentage of Time > 20 deg. C (%)	Amount of Time > 28.3 deg. C (Hours)	Average Daily Amount of Time > 20 deg. C (Hours)
W1129	GNK02	Green River	11-0327	Flowing	5/25/2007	5/30/2007	118.5	13.0	10.6	15.2	14.6	0.0	0%	0.0	0.0
W1129	GNK02	Green River	11-0449	Flowing	6/22/2007	6/27/2007	118.5	14.0	10.1	18.3	15.7	0.0	0%	0.0	0.0
W1129	GNK02	Green River	11-0613	Flowing	8/3/2007	8/8/2007	119.5	17.2	15.1	19.8	18.1	0.0	0%	0.0	0.0
W1129	GNK02	Green River	11-0701	Flowing	9/7/2007	9/12/2007	121.5	17.0	14.0	18.8	17.9	0.0	0%	0.0	0.0
W1729	HO0.04A	Hopper Brook	11-0447	Flowing	6/22/2007	6/27/2007	119.0	14.4	10.3	20.0	17.6	0.0	0%	0.0	0.0
W1729	HO0.04A	Hopper Brook	11-0611	Flowing	8/3/2007	8/8/2007	120.0	17.8	15.2	21.2	19.5	10.0	8%	0.0	1.1
W1729	HO0.04A	Hopper Brook	11-0699	Flowing	9/7/2007	9/12/2007	122.5	17.2	14.0	20.1	18.3	1.7	1%	0.0	0.4
W1593	HR02B	Hoosic River	11-0335	Flowing	5/25/2007	5/30/2007	119.0	16.8	14.3	19.2	18.4	0.0	0%	0.0	0.0
W1593	HR02B	Hoosic River	11-0443	Flowing	6/22/2007	6/27/2007	118.5	18.3	14.0	23.7	20.3	36.5	31%	0.0	6.6
W1593	HR02B	Hoosic River	11-0607	Flowing	8/3/2007	8/8/2007	120.0	21.7	19.5	24.8	22.8	109.0	91%	0.0	21.3
W1593	HR02B	Hoosic River	11-0695	Flowing	9/7/2007	9/12/2007	108.0	20.1	16.9	22.7	21.0	62.8	58%	0.0	17.0
W1127	HR03	Hoosic River	11-0444	Flowing	6/22/2007	6/27/2007	118.5	18.4	13.9	24.0	20.5	37.2	31%	0.0	6.7
W1127	HR03	Hoosic River	11-0608	Flowing	8/3/2007	8/8/2007	120.0	21.7	19.4	25.0	22.9	105.1	88%	0.0	20.3
W1127	HR03	Hoosic River	11-0696	Flowing	9/7/2007	9/12/2007	124.0	19.7	15.7	22.8	21.0	62.4	50%	0.0	12.8
W1598	HR07A.5	Hoosic River	11-0311	Flowing	5/25/2007	5/30/2007	119.5	16.6	13.5	19.6	19.1	0.0	0%	0.0	0.0
W1598	HR07A.5	Hoosic River	11-0591	Flowing	8/3/2007	8/8/2007	120.0	20.1	17.0	25.7	23.0	49.4	41%	0.0	8.9
W1598	HR07A.5	Hoosic River	11-0564	Flowing	9/7/2007	9/12/2007	123.5	18.6	16.3	23.5	20.3	18.0	15%	0.0	2.7
W1598	HR07A.5	Hoosic River	11-0411	Flowing	--	--	--	--	--	--	--	--	--	--	--
W1731	HR07B.5	Hoosic River	11-0312	Flowing	5/25/2007	5/30/2007	119.5	17.0	14.1	19.8	19.0	0.0	0%	0.0	0.0
W1731	HR07B.5	Hoosic River	11-0412	Flowing	6/22/2007	6/27/2007	118.0	17.7	13.4	23.9	20.8	24.2	21%	0.0	5.0
W1731	HR07B.5	Hoosic River	11-0592	Flowing	8/3/2007	8/8/2007	120.5	20.7	17.7	24.9	22.6	69.7	58%	0.0	13.1
W1731	HR07B.5	Hoosic River	11-0565	Flowing	9/7/2007	9/12/2007	123.0	19.2	16.3	22.2	20.6	40.2	33%	0.0	8.0
W1549	HR22.8	Hoosic River	11-0308	Flowing	5/25/2007	5/30/2007	119.5	19.0	16.8	21.6	20.5	33.5	28%	0.0	5.5

Table 9 (continued). 2007 MassDEP Hudson River Watershed summary of unattended probe temperature data

Unique ID	Station ID	Water Body	OWMID	Flow Condition	Start Date	End Date	Deployment Duration (Hours)	Average (deg. C)	Minimum (deg. C)	Maximum (deg. C)	Mean of the Daily Maximum (deg. C)	Amount of Time > 20 deg. C (Hours)	Percentage of Time > 20 deg. C (%)	Amount of Time > 28.3 deg. C (Hours)	Average Daily Amount of Time > 20 deg. C (Hours)
W1549	HR22.8	Hoosic River	11-0407	Flowing	6/22/2007	6/27/2007	118.5	19.9	16.6	24.2	21.9	51.7	44%	0.0	10.3
W1549	HR22.8	Hoosic River	11-0587	Flowing	8/3/2007	8/8/2007	119.0	22.2	20.2	26.0	23.5	119.0	100%	0.0	24.0
W1549	HR22.8	Hoosic River	11-0561	Flowing	9/7/2007	9/12/2007	125.0	20.6	18.2	22.3	21.7	96.2	77%	0.0	20.3
W1551	HR6.71	Hoosic River	11-0314	Flowing	5/25/2007	5/30/2007	119.5	16.9	14.0	19.7	18.9	0.0	0%	0.0	0.0
W1551	HR6.71	Hoosic River	11-0418	Flowing	6/22/2007	6/27/2007	118.5	18.4	13.3	24.5	21.2	38.2	32%	0.0	6.0
W1551	HR6.71	Hoosic River	11-0594	Flowing	8/3/2007	8/8/2007	120.0	21.3	18.4	25.5	23.5	89.9	75%	0.0	16.5
W1551	HR6.71	Hoosic River	11-0567	Flowing	9/7/2007	9/12/2007	121.5	19.5	15.7	22.7	20.9	55.3	46%	0.0	11.5
W1119	KB00	Kitchen Brook	11-0307	Flowing	5/25/2007	5/30/2007	119.8	12.9	10.9	14.9	13.9	0.0	0%	0.0	0.0
W1119	KB00	Kitchen Brook	11-0560	Flowing	9/7/2007	9/12/2007	125.5	15.3	13.8	16.6	16.2	0.0	0%	0.0	0.0
W1119	KB00	Kitchen Brook	11-0406	Flowing	--	--	--	--	--	--	--	--	--	--	--
W1557	KDH2.29	Kinderhook Creek	11-0451	Flowing	6/22/2007	6/27/2007	66.0	11.3	9.4	13.7	13.6	0.0	0%	0.0	0.0
W1557	KDH2.29	Kinderhook Creek	11-0647	Flowing	8/3/2007	8/8/2007	119.5	14.1	12.1	16.7	15.5	0.0	0%	0.0	0.0
W1548	MB0.68	Miller Brook	11-0310	Flowing	5/25/2007	5/30/2007	119.5	13.0	10.8	17.4	15.1	0.0	0%	0.0	0.0
W1548	MB0.68	Miller Brook	11-0410	Flowing	6/22/2007	6/27/2007	118.0	13.8	10.4	17.4	15.0	0.0	0%	0.0	0.0
W1548	MB0.68	Miller Brook	11-0590	Flowing	8/3/2007	8/8/2007	119.5	17.7	15.6	21.4	18.2	2.8	2%	0.0	0.0
W1548	MB0.68	Miller Brook	11-0563	Flowing	9/7/2007	9/12/2007	123.5	17.1	14.2	21.5	18.8	1.0	1%	0.0	0.3
W1124	NBH00	North Branch Hoosic River	11-0313	Flowing	5/25/2007	5/30/2007	119.8	14.9	11.6	18.8	17.7	0.0	0%	0.0	0.0
W1124	NBH00	North Branch Hoosic River	11-0413	Flowing	6/22/2007	6/27/2007	118.0	16.2	11.1	23.3	20.3	15.7	13%	0.0	3.7
W1124	NBH00	North Branch Hoosic River	11-0593	Flowing	8/3/2007	8/8/2007	120.5	19.7	16.5	24.8	22.2	44.5	37%	0.0	8.5
W1124	NBH00	North Branch Hoosic River	11-0566	Flowing	9/7/2007	9/12/2007	122.5	18.0	14.5	21.7	19.0	21.5	18%	0.0	2.8
W1125	PA01	Paull Brook	11-0315	Flowing	5/25/2007	5/30/2007	119.5	17.1	13.5	20.8	19.6	8.2	7%	0.0	0.6
W1125	PA01	Paull Brook	11-0419	Flowing	6/22/2007	6/27/2007	118.5	18.0	12.3	24.6	20.4	38.5	33%	0.0	6.0

Table 9 (continued). 2007 MassDEP Hudson River Watershed summary of unattended probe temperature data

Unique ID	Station ID	Water Body	OWMID	Flow Condition	Start Date	End Date	Deployment Duration (Hours)	Average (deg. C)	Minimum (deg. C)	Maximum (deg. C)	Mean of the Daily Maximum (deg. C)	Amount of Time > 20 deg. C (Hours)	Percentage of Time > 20 deg. C (%)	Amount of Time > 28.3 deg. C (Hours)	Average Daily Amount of Time > 20 deg. C (Hours)
W1125	PA01	Paull Brook	11-0399	^^	--	--	--	--	--	--	--	--	--	--	--
W1118	SB0.5	South Brook	11-0309	**	5/25/2007	5/30/2007	119.5	13.9	10.9	16.9	16.1	0.0	0%	0.0	0.0
W1118	SB0.5	South Brook	11-0408	Flowing	6/22/2007	6/27/2007	118.5	14.9	10.7	19.5	16.8	0.0	0%	0.0	0.0
W1118	SB0.5	South Brook	11-0588	Flowing	8/3/2007	8/8/2007	119.0	18.2	15.8	21.3	19.7	12.4	10%	0.0	1.3
W1118	SB0.5	South Brook	11-0562	Flowing	9/7/2007	9/12/2007	108.0	17.0	15.7	19.1	18.0	0.0	0%	0.0	0.0
W1122	TB00	Tophet Brook	11-0409	Flowing	6/22/2007	6/27/2007	118.5	14.5	10.2	19.7	16.5	0.0	0%	0.0	0.0

see Appendix 1 for a complete list of data symbols and qualifiers

Table 10. 2007 MassDEP Hudson River Watershed summary of unattended probe dissolved oxygen data

Station ID	Unique ID	WaterBody	OWMID	Start Date	Deployment Duration (Hours)	Average (mg/L)	Minimum (mg/L)	Mean of the Daily Min (mg/L)	Mean of the Daily Max (mg/L)	Amount of Time < 5.0 mg/L (Hours)	Amount of Time < 6.0 mg/L (Hours)	Average Saturation (%)	Minimum Saturation (%)	Maximum Saturation (%)
BB0.37	W1734	Bassett Brook	11-0595	8/3/2007	115.5	8.9	8.5	8.7	9.1	0.0	0.0	90	89	92
BDB0.8	W1552	Broad Brook	11-0326	5/25/2007	119.5	10.0	9.6	9.7	10.4	0.0	0.0	97	95	99
BDB0.8	W1552	Broad Brook	11-0442	6/22/2007	119.0	9.8	8.8	9.4	10.3	0.0	0.0	97	93	101
BDB0.8	W1552	Broad Brook	11-0606	8/3/2007	120.5	8.9	8.2	8.6	9.4	0.0	0.0	95	91	103
BDB0.8	W1552	Broad Brook	11-0694	9/7/2007	125.0	8.9	8.4	8.6	9.2	0.0	0.0	92	89	101
BXB0.9	W1547	Buxton Brook	11-0334	5/25/2007	0.0	--	--	--	--	--	--	--	--	--
BXB0.9	W1547	Buxton Brook	11-0445	6/22/2007	118.5	9.7	8.7	9.3	10.3	0.0	0.0	96	93	99
BXB0.9	W1547	Buxton Brook	11-0609	8/3/2007	120.0	8.5	8.0	8.3	9.0	0.0	0.0	91	87	94
BXB0.9	W1547	Buxton Brook	11-0697	9/7/2007	107.0	8.8	8.3	8.5	9.1	0.0	0.0	92	88	98
GE0.02	W1553	East Branch Green River	11-0450	6/22/2007	25.5	9.6	9.3	--	--	0.0	0.0	92	91	93
GE0.02	W1553	East Branch Green River	11-0614	8/3/2007	119.5	8.9	8.5	8.7	9.3	0.0	0.0	94	91	97
GE0.02	W1553	East Branch Green River	11-0702	9/7/2007	81.0	8.5	8.0	8.2	8.6	0.0	0.0	88	83	93
GN01A	W1130	Green River	11-0329	5/25/2007	118.3	9.4	8.6	8.8	10.1	0.0	0.0	94	88	102
GN01A	W1130	Green River	11-0446	6/22/2007	119.0	8.7	7.2	7.9	9.7	0.0	0.0	--	--	--
GN01A	W1130	Green River	11-0610	8/3/2007	120.0	8.7	8.0	8.2	9.4	0.0	0.0	98	92	109
GN01A	W1130	Green River	11-0698	9/7/2007	106.5	8.4	7.7	8.0	9.0	0.0	0.0	93	88	109
GNK01	W1128	Green River	11-0328	5/25/2007	118.5	9.2	8.3	8.6	9.8	0.0	0.0	91	82	102
GNK01	W1128	Green River	11-0448	6/22/2007	118.5	9.2	7.1	7.9	10.8	0.0	0.0	97	80	121
GNK01	W1128	Green River	11-0612	8/3/2007	119.5	8.2	7.1	7.5	9.1	0.0	0.0	91	79	112

Table 10 (continued). 2007 MassDEP Hudson River Watershed summary of unattended probe dissolved oxygen data

Station ID	Unique ID	WaterBody	OWMID	Start Date	Deployment Duration (Hours)	Average (mg/L)	Minimum (mg/L)	Mean of the Daily Min (mg/L)	Mean of the Daily Max (mg/L)	Amount of Time < 5.0 mg/L (Hours)	Amount of Time < 6.0 mg/L (Hours)	Average Saturation (%)	Minimum Saturation (%)	Maximum Saturation (%)
GNK01	W1128	Green River	11-0700	9/7/2007	122.0	8.2	7.1	7.5	9.2	0.0	0.0	90	79	117
GNK02	W1129	Green River	11-0327	5/25/2007	118.5	10.1	9.6	9.7	10.4	0.0	0.0	96	95	99
GNK02	W1129	Green River	11-0449	6/22/2007	118.5	9.1	8.2	8.7	9.6	0.0	0.0	90	88	93
GNK02	W1129	Green River	11-0613	8/3/2007	119.5	8.6	8.1	8.3	8.9	0.0	0.0	90	86	97
GNK02	W1129	Green River	11-0701	9/7/2007	121.5	8.7	8.3	8.4	9.0	0.0	0.0	90	88	96
HO0.04A	W1729	Hopper Brook	11-0447	6/22/2007	119.0	9.6	8.3	8.9	10.2	0.0	0.0	--	--	--
HO0.04A	W1729	Hopper Brook	11-0611	8/3/2007	120.0	9.0	8.3	8.6	9.4	0.0	0.0	96	93	99
HO0.04A	W1729	Hopper Brook	11-0699	9/7/2007	122.5	8.8	8.3	8.5	9.0	0.0	0.0	92	90	96
HR02B	W1593	Hoosic River	11-0335	5/25/2007	119.0	10.0	8.3	8.4	12.5	0.0	0.0	104	86	139
HR02B	W1593	Hoosic River	11-0443	6/22/2007	118.5	9.0	6.2	7.3	11.7	0.0	0.0	98	73	137
HR02B	W1593	Hoosic River	11-0607	8/3/2007	120.0	8.5	6.1	6.4	11.9	0.0	0.0	98	70	155
HR02B	W1593	Hoosic River	11-0695	9/7/2007	108.0	7.9	5.6	6.1	9.4	0.0	2.7	88	58	153
HR03	W1127	Hoosic River	11-0444	6/22/2007	49.0	8.6	7.2	7.2	10.1	0.0	0.0	90	73	110
HR03	W1127	Hoosic River	11-0608	8/3/2007	120.0	8.5	6.4	6.7	11.3	0.0	0.0	98	74	144
HR03	W1127	Hoosic River	11-0696	9/7/2007	107.5	8.3	6.1	6.9	9.3	0.0	0.0	93	70	148
HR07A.5	W1598	Hoosic River	11-0311	5/25/2007	119.5	9.9	8.6	8.7	11.2	0.0	0.0	102	87	123
HR07A.5	W1598	Hoosic River	11-0591	8/3/2007	120.0	9.3	8.0	8.2	11.3	0.0	0.0	104	89	136
HR07A.5	W1598	Hoosic River	11-0564	9/7/2007	123.5	9.2	8.0	8.4	10.5	0.0	0.0	99	87	136
HR07A.5	W1598	Hoosic River	11-0411	--	--	--	--	--	--	--	--	--	--	--
HR07B.5	W1731	Hoosic River	11-0312	5/25/2007	119.5	8.3	7.1	7.3	9.4	0.0	0.0	87	72	117
HR07B.5	W1731	Hoosic River	11-0412	6/22/2007	118.0	8.5	7.2	7.7	9.5	0.0	0.0	92	84	105

Table 10 (continued). 2007 MassDEP Hudson River Watershed summary of unattended probe dissolved oxygen data

Station ID	Unique ID	WaterBody	OWMID	Start Date	Deployment Duration (Hours)	Average (mg/L)	Minimum (mg/L)	Mean of the Daily Min (mg/L)	Mean of the Daily Max (mg/L)	Amount of Time < 5.0 mg/L (Hours)	Amount of Time < 6.0 mg/L (Hours)	Average Saturation (%)	Minimum Saturation (%)	Maximum Saturation (%)
HR07B.5	W1731	Hoosic River	11-0592	8/3/2007	120.5	8.3	7.0	7.4	9.7	0.0	0.0	94	80	120
HR07B.5	W1731	Hoosic River	11-0565	9/7/2007	123.0	8.2	6.6	7.2	9.1	0.0	0.0	89	75	122
HR22.8	W1549	Hoosic River	11-0308	5/25/2007	119.5	7.9	7.2	7.4	8.2	0.0	0.0	85	78	95
HR22.8	W1549	Hoosic River	11-0407	6/22/2007	118.5	7.7	7.2	7.5	8.0	0.0	0.0	87	83	93
HR22.8	W1549	Hoosic River	11-0587	8/3/2007	119.0	7.3	6.7	6.8	8.1	0.0	0.0	85	77	99
HR22.8	W1549	Hoosic River	11-0561	9/7/2007	125.0	7.5	6.9	7.2	8.0	0.0	0.0	84	77	93
HR6.71	W1551	Hoosic River	11-0314	5/25/2007	119.5	9.8	8.5	8.6	11.3	0.0	0.0	102	88	125
HR6.71	W1551	Hoosic River	11-0418	6/22/2007	118.5	8.8	7.1	8.0	9.8	0.0	0.0	96	83	108
HR6.71	W1551	Hoosic River	11-0594	8/3/2007	120.0	8.8	7.6	7.7	10.6	0.0	0.0	101	86	139
HR6.71	W1551	Hoosic River	11-0567	9/7/2007	121.5	8.5	7.2	7.7	9.7	0.0	0.0	93	80	125
KB00	W1119	Kitchen Brook	11-0307	5/25/2007	119.8	10.1	9.5	9.8	10.4	0.0	0.0	96	94	99
KB00	W1119	Kitchen Brook	11-0560	9/7/2007	125.5	9.4	9.1	9.2	9.5	0.0	0.0	94	93	98
KB00	W1119	Kitchen Brook	11-0406	--	--	--	--	--	--	--	--	--	--	--
KDH2.29	W1557	Kinderhook Creek	11-0451	6/22/2007	66.0	9.5	8.8	9.2	9.9	0.0	0.0	89	81	93
KDH2.29	W1557	Kinderhook Creek	11-0647	8/3/2007	119.5	9.5	8.5	9.0	10.3	0.0	0.0	94	86	105
MB0.68	W1548	Miller Brook	11-0310	5/25/2007	119.5	10.0	9.1	9.4	10.3	0.0	0.0	95	92	98
MB0.68	W1548	Miller Brook	11-0410	6/22/2007	118.0	9.6	8.9	9.4	10.0	0.0	0.0	95	94	96
MB0.68	W1548	Miller Brook	11-0590	8/3/2007	119.5	8.7	7.9	8.6	9.0	0.0	0.0	93	90	96
MB0.68	W1548	Miller Brook	11-0563	9/7/2007	123.5	8.7	7.8	8.2	8.9	0.0	0.0	91	86	94
NBH00	W1124	North Branch Hoosic River	11-0313	5/25/2007	119.8	9.4	8.9	9.0	10.0	0.0	0.0	94	89	101

Table 10 (continued). 2007 MassDEP Hudson River Watershed summary of unattended probe dissolved oxygen data

Station ID	Unique ID	WaterBody	OWMID	Start Date	Deployment Duration (Hours)	Average (mg/L)	Minimum (mg/L)	Mean of the Daily Min (mg/L)	Mean of the Daily Max (mg/L)	Amount of Time < 5.0 mg/L (Hours)	Amount of Time < 6.0 mg/L (Hours)	Average Saturation (%)	Minimum Saturation (%)	Maximum Saturation (%)
NBH00	W1124	North Branch Hoosic River	11-0413	6/22/2007	118.0	9.2	7.8	8.4	10.0	0.0	0.0	95	86	110
NBH00	W1124	North Branch Hoosic River	11-0593	8/3/2007	120.5	7.8	7.0	7.3	8.5	0.0	0.0	87	80	97
NBH00	W1124	North Branch Hoosic River	11-0566	9/7/2007	122.5	8.5	7.6	8.1	9.0	0.0	0.0	90	82	106
PA01	W1125	Paull Brook	11-0315	5/25/2007	119.5	9.1	7.3	7.9	10.3	0.0	0.0	95	80	110
PA01	W1125	Paull Brook	11-0419	6/22/2007	118.5	8.4	6.5	7.6	9.2	0.0	0.0	90	74	100
PA01	W1125	Paull Brook	11-0399	--	--	--	--	--	--	--	--	--	--	--
SB0.5	W1118	South Brook	11-0309	5/25/2007	119.5	9.8	9.2	9.3	10.3	0.0	0.0	95	92	100
SB0.5	W1118	South Brook	11-0408	6/22/2007	118.5	9.6	6.8	8.7	10.1	0.0	0.0	97	74	102
SB0.5	W1118	South Brook	11-0588	8/3/2007	119.0	8.9	8.2	8.5	9.4	0.0	0.0	96	91	107
SB0.5	W1118	South Brook	11-0562	9/7/2007	108.0	9.2	8.7	8.8	9.8	0.0	0.0	96	91	110
TB00	W1122	Tophet Brook	11-0409	6/22/2007	118.5	9.6	8.6	9.2	10.0	0.0	0.0	96	93	101

see Appendix 1 for a complete list of data symbols and qualifiers

Table 11. 2007 MassDEP Hudson River Watershed continuous temperature deploy data

Deploy Details							Temperature								
Unique ID	Station ID	Water Body	OWMID	Start Date	End Date	Total Deployment (Hours)	Average (deg. C)	Standard Deviation	Minimum (deg. C)	Maximum (deg. C)	Range of 7-Day Average of the Daily Max (deg. C)	Maximum Weekly Average Temperature (deg. C)	Amount of Time > 20 deg. C (Hours)	Average Daily Amount of Time > 20 deg. C (Hours)	Average Daily Amount of Time > 28.3 deg. C (Hours)
W1548	MB0.68	Miller Brook	11-0509	6/27/2007	10/4/2007	2375.5	15.7	2.0	9.7	23.9	13.5-19.6	17.9	9.3	0.1	0.0
W1558	BB00	Bassett Brook	11-0511	6/27/2007	10/17/2007	2686.0	14.0	1.9	7.7	18.0	10.9-17.1	16.3	0.0	0.0	0.0
W1549	HR22.8	Hoosic River	11-0510	6/27/2007	10/4/2007	2373.0	20.2	2.3	14.3	26.3	18.4-25.4	23.6	1284.7	13.0	0.0
W1119	KB00	Kitchen Brook	11-0512	6/27/2007	10/17/2007	2685.0	14.1	1.9	8.2	18.2	11.1-17.4	16.4	0.0	0.0	0.0
W1728	GE0.02A	East Branch Green River	11-0514	6/27/2007	10/17/2007	2685.5	14.7	2.1	7.8	19.2	11.8-18.2	17.3	0.0	0.0	0.0
W1552	BDB0.8	Broad Brook	11-0515	6/27/2007	10/17/2007	2686.0	15.6	2.3	8.1	21.5	12.0-20.3	18.7	28.2	0.3	0.0
W1554	GE0.3	East Branch Green River	11-0513	6/27/2007	10/17/2007	2683.5	15.7	2.1	9.3	20.5	12.5-19.3	18.4	19.9	0.2	0.0
W1735	SF01	Broad Brook	11-0524	7/9/2007	10/17/2007	2400.0	16.4	2.2	8.6	20.4	12.6-19.9	18.8	13.5	0.1	0.0
W1736	SF02	Broad Brook	11-0523	7/9/2007	10/17/2007	1545.5	17.2	1.4	14.0	20.7	16.5-20.1	18.9	33.7	0.5	0.0
W1737	SF03	Unnamed Tributary	11-0525	7/9/2007	10/17/2007	2399.0	18.0	2.0	12.6	21.9	16.8-21.2	19.5	402.3	4.0	0.0

References

- Kurpaska, D. and M. Poach. 2008. *2007 Western Region Bacteria Source Tracking Project*. Massachusetts Department of Environmental Protection, Division of Watershed Management. Springfield, MA.
- Maietta, R., J. Ryder and R. Chase. 2008. CN319.0. *2007 Fish Toxics Monitoring Public Request and Year 2 Watershed Surveys*. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP. 2001. Laboratory Quality Assurance Plan and Standard Operating Procedures. Massachusetts Department of Environmental Protection, Division of Environmental Analysis, Senator William X. Wall Experiment Station. Lawrence, MA.
- MassDEP. 2004. CN 1.21 - *Sample Collection Techniques for DWM Surface Water Quality Monitoring SOP*. December 2004. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP. 2005a. CN 225.0 - *QUALITY ASSURANCE PROGRAM PLAN, Surface Water Monitoring & Assessment, MassDEP-Division of Watershed Management, 2005-2009*. April 2005. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP. 2005b. CN 4.21 - *Water Quality Multiprobe Data Collection*. September 2005. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP. 2007a. CN 287.0. *Sampling Plan for Year 2007 Surface Water Monitoring in the Hudson Watershed*. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP 2007b. CN 4.41 - *Multi-Probe Sonde Deployments for Continuous Unattended Water Quality Data Collection*. June 2007. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP. 2008. Open File. DWM Water quality river fieldsheets 2007. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP. 2012a. CN 56.6. DWM Water Quality Data Processing and Validation---Laboratory Data. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP. 2012b. CN 56.4 – *File Processing and Data Validation for Attended Water Quality Probe Data (Draft)*. May 2012. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP. 2012c. CN 56.5 – *File Processing and Data Validation for Unattended Water Quality Probe Data (Draft)*. May 2012. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- MassDEP. 2012d. CN 320.0 – *WATER QUALITY DATA VALIDATION REPORT for Year 2007 Project Data*. September 2012. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- NOAA. 2012a. [Online]. *Precipitation Data*. December 2012. National Oceanic and Atmospheric Administration, National Climatic Data Center. Asheville, NC. <http://www.ncdc.noaa.gov/oa/ncdc.html>
- NOAA. 2012b. [Online]. *1981–2010 U.S. Normals Data*. November 2012. National Oceanic and Atmospheric Administration, National Climatic Data Center. Asheville, NC. <http://gis.ncdc.noaa.gov/map/cdo/?thm=themeNormals>
- Reardon, M. 2012. CN 287.3. *Hudson River Watershed 2007 Benthic Macroinvertebrate Bioassessment*. Massachusetts Department of Environmental Protection, Division of Watershed Management. Worcester, MA.
- USGS. 2012a. [Online]. *Discharge Data from Real-time Gage Stations*. November 2012. United States Geological Service. Reston, VA. <http://waterdata.usgs.gov/ma/nwis/current/?type=flow>
- USGS. 2012b. [Online]. *StreamStats Data-Collection Station Report*. December 2012. United States Geological Service. Reston, VA. <http://streamstats.scr.usgs.gov/gages/viewer15.htm?stabbr=GAGES>

Appendix 1: 2007 Data Symbols and Qualifiers

Excerpted from: Water Quality Data Validation Report for Year 2007 Project Data (CN 320.0)

The following data qualifiers or symbols are used in the MADEP/DWM WQD database for qualified and censored water quality and multi-probe data. Decisions regarding censoring vs. qualification for specific, problematic data are made based on a thorough review of all pertinent information related to the data. Data qualifiers reported by laboratories are typically either directly-transferable to DWM data (e.g., "H" for holding time violation) or indirectly-transferable, where the qualifier symbol is transformed to conform to DWM's qualifier list (e.g., "R" qualifier used by a lab to reject data due to poor QC results is transformed to "a").

General Symbols (applicable to all types):

"##" = Censored data (i.e., data that has been discarded for some reason).

"**" = Missing data (i.e., data that should have been reported).

"--" = No data (i.e., data not taken/not required)

"^^" = No data due to no water

Multi-probe-specific Qualifiers:

"i" = inaccurate readings from Multi-probe likely; may be due to significant pre-survey calibration problems, post-survey checks outside typical acceptance ranges for the low ionic and deionized water checks, lack of calibration of the depth sensor prior to use, or to checks against laboratory analyses. Where documentation on unit pre-calibration is lacking, but SOPs at the time of sampling dictated pre-calibration prior to use, then data are considered potentially inaccurate.

"m" = method not followed; one or more protocols contained in the DWM Multi-probe SOP not followed, ie. operator error (eg. less than 3 readings per station (rivers) or per depth (lakes), or instrument failure not allowing method to be implemented.

"s" = field sheet recorded data were used to accept data, not data electronically recorded in the Multi-probe surveyor unit, due to operator error or equipment failure.

"u" = unstable readings, due to lack of sufficient equilibration time prior to final readings, non-representative location, highly-variable water quality conditions, etc. See Section 4.1 for acceptance criteria.

"c" = greater than calibration standard used for pre-calibration, or outside the acceptable range about the calibration standard. Typically used for conductivity (>718, 1,413, 2,760, 6,668 or 12,900 uS/cm) or turbidity (>10, 20 or 40 NTU). It can also be used for TDS and Salinity calculations based on qualified ("c") conductivity data, or that the calculation was not possible due to censored conductivity data (TDS and Salinity are calculated values and entirely based on conductivity reading). See Section 4.1 for acceptance criteria.

"r" = data not representative of actual field conditions.

"t" = tidal conditions

Sample-Specific Qualifiers:

"a" = accuracy as estimated at WES Lab via matrix spikes, PT sample recoveries, internal check standards and lab-fortified blanks did not meet project data quality objectives identified for program or in QAPP.

"b" = blank Contamination in lab reagent blanks and/or field blank samples (indicating possible bias high and false positives).

“ d ” = precision of field duplicates (as RPD) did not meet project data quality objectives identified for program or in QAPP. Batched samples may also be affected.

“ e ” = not theoretically possible. Specifically, used for bacteria data where colonies per unit volume for e-coli bacteria > fecal coliform bacteria, for lake Secchi and station depth data where a specific Secchi depth is greater than the reported station depth, and for other incongruous or conflicting results.

“ f ” = frequency of quality control duplicates did not meet data quality objectives identified for program or in QAPP.

“ h ” = holding time violation (usually indicating possible bias low)

“ j ” = ‘estimated’ value; used for lab-related issues where certain lab QC criteria are not met and re-testing is not possible (as identified by the WES lab only). Also used to report sample data where the sample concentration is less than the ‘reporting’ limit or RDL and greater than the method detection limit or MDL ($mdl < x < rdl$). Also used to note where values have been reported at levels less than the mdl.

“ m ” = method SOP not followed, only partially implemented or not implemented at all, due to complications with sample matrix (eg. sediment in sample, floc formation), lab error (eg. cross-contamination between samples), additional steps taken by the lab to deal with matrix complications, lost/unanalyzed samples, and missing data.

“ p ” = samples not preserved per SOP or analytical method requirements.

“ r ” = samples collected may not be representative of actual field conditions, including the possibility of “outlier” data and flow-limited conditions (e.g., pooled).

“ t ” = tidal conditions