Technical Memorandum

CONNECTICUT RIVER WATERSHED 2008
DWM WATER QUALITY MONITORING DATA

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Division of Watershed Management
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COMMONWEALTH OF MASSACHUSETTS
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Contents

Introduction 3
Project Objectives 3
Sampling Plan 3
Field and Analytical Methods 3
Quality Assurance (QA) and Quality Control (QC) 4
Survey Conditions 6
Station Observations 8
Water Quality Data 8
References 68
Appendix 1: 2008 Data Symbols and Qualifiers 70

List of Tables

Table 1. MassDEP, DWM 2008 Connecticut River Watershed sampling station descriptions, sampling parameters and frequency. 5

Table 2. 2008 Monthly precipitation (in inches) and Period of Record (POR) monthly mean precipitation at Barnes Municipal Airfield (BAF). The POR for BAF is 29 years.. 6

Table 3. Description of USGS stream gaging stations from which the 2008 Daily Mean Discharge and Period of Record (POR) Discharge were obtained.. 7

Table 4. Precipitation totals (inches) and daily mean discharge (cfs) for five days prior to and upon each DWM 2008 Connecticut River Watershed survey date. 7

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys 10

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data 28

Table 7. Geometric mean of the 2008 *E. coli* results for each DWM Connecticut River sampling station 56

Table 8. 2008 MassDEP, DWM Connecticut River Watershed Attended Multiprobe Data 57

Table 9. 2008 MassDEP, DWM Connecticut River Watershed Deployed Multiprobe Data 65

Table 10. 2008 MassDEP, DWM Connecticut River Watershed Temperature Data 66

Introduction

The purpose of this technical memorandum is to publish water quality data collected in the Connecticut River Watershed as part of the Massachusetts Department of Environmental Protection (MassDEP), Division of Watershed Management (DWM) programmatic monitoring (MassDEP 2005a). The Connecticut River Watershed water quality surveys were conducted between the months of May and September in 2008. Water quality samples were analyzed for nutrients and other conventional pollutants, bacteria (*Escherichia coli*), as well as dissolved oxygen and other field measurements. The aquatic macroinvertebrate and fish community data are published in separate technical memoranda.

Project Objectives

The 2008 surveys of the Connecticut River Watershed focused on obtaining information to meet the following objectives (MassDEP 2008a):

- provide biological, habitat, dissolved oxygen, temperature, and chemical data for the purpose of assessing Aquatic Life and Aesthetics uses as required by Section 305(b) of the Clean Water Act and documenting biological, chemical, and physical changes over time (trend monitoring);
- provide quality-assured *E. coli* data for the purpose of assessing Primary and Secondary Contact Recreational uses and documenting changes in pathogen levels over time (trend monitoring); and
- provide data for other informational needs of Massachusetts regulatory agencies such as NPDES permitting and TMDL development.

Additional information regarding project objectives and sampling design may be found in *Connecticut River Watershed Sampling and Analysis 2008* (MassDEP 2008b).

Sampling Plan

Water quality surveys were conducted a total of six times (May 6th, June 3rd, July 1st, July 29th, September 3rd, and September 9th). Grab samples for total phosphorus, total nitrogen, ammonia-nitrogen, color, turbidity, and *E. coli* were collected at a total of 33 stations. Attended multiprobes (measuring dissolved oxygen, temperature, pH, conductivity, and total dissolved solids) were employed at 34 stations. Multiprobes (measuring dissolved oxygen and temperature) were deployed at 15 stations during the months of May, June, July, and September. Continuous temperature loggers were deployed at 11 stations (MassDEP 2008b).

Table 1 provides details and locations of the 2008 sampling sites.

Field and Analytical Methods

Procedures used for water quality sampling and sample handling are described in CN 1.21 - *Sample Collection Techniques for DWM Surface Water Quality Monitoring* (MassDEP 2004). The Wall Experiment Station (WES) 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 used for multiprobe calibration and deployment are described in CN 4.21 - *Water Quality Multiprobe Data Collection* (MassDEP 2005b) and CN 4.41 - *Multi-Probe Sonde Deployments for Continuous Unattended Water Quality Data Collection* (MassDEP 2007).

Concurrent with the collection of water quality samples, site characteristics and sampling conditions were recorded on the DWM field sheets. Riparian vegetation, observed uses (e.g. swimming, boating, fishing), 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.

Quality Assurance (QA) and Quality Control (QC)

Quality assurance and quality control procedures used in collecting samples and measurements were consistent with the prevailing DWM protocols that are described in CN 1.21 - *Sample Collection Techniques for DWM Surface Water Quality Monitoring* (MassDEP 2004), CN 4.21 - *Water Quality Multiprobe Data Collection* (MassDEP 2005b) and CN 4.41 - *Multi-Probe Sonde Deployments for Continuous Unattended Water Quality Data Collection* (MassDEP 2007).

The DWM quality assurance and database management staff reviewed laboratory data reports and all multiprobe data. The data were validated and finalized per the following data validation procedures:

CN 56.4 - *File Processing and Data Validation for ATTENDED Water Quality Probe Data* (MassDEP 2012a),

CN 56.5 - *File Processing and Data Validation for UNATTENDED Water Quality Probe Data* (MassDEP 2012b), and

CN 56.6 – *DWM Water Quality Data Processing and Validation - Laboratory Data* (MassDEP 2012c).

All water quality sample data were validated by reviewing QC sample results, analytical holding time compliance, QC sample frequency and related ancillary data/documentation (at a minimum). A complete summary of the data review process for all 2008 DWM data is provided in CN 361.0 – *Water Quality Data Validation Report for Year 2008 Project Data* (MassDEP 2012d). Appendix 1 of this technical memorandum contains definitions for all data qualifiers.

Table 1. MassDEP, DWM 2008 Connecticut River Watershed sampling station descriptions, sampling parameters and frequency.

Station ID	Unique ID	Waterbody	Description	Latitude	Longitude	Nutrients/ Solids/Color	*E.Coli*	Attended Multiprobe	Deployed MultiProbe	Temperature Logger
AM01	W1783	Amethyst Brook	trail bridge crossing north/west of Allen Mill Road, Amherst	42.37833	-72.48171	5	6	5		
BACH1	W1052	Bachelor Brook	Route 47, South Hadley	42.27015	-72.58689	5	6	6	3	
BB01	W1063	Bloody Brook	Whately Road, Deerfield	42.47836	-72.61894	5	6	6	3	
Butt1	W2060	Buttery Brook	~170 feet downstream of Gaylord Street, South Hadley	42.21947	-72.59309					1
Butt2	W2061	Buttery Brook	~500 feet downstream of Gaylord Street, South Hadley	42.21871	-72.59372					1
CT116	W1045	Connecticut River	Route116, Deerfield/Sunderland	42.46760	-72.58479	5	6	5		
CTBERN	W1799	Connecticut River	~ 800 feet north of the Route 10 bridge, Northfield]	42.68537	-72.47375	5	6	8	3	1
CTENF	W1395	Connecticut River	at USGS gage #01184000 south of Route 190, Enfield, CT	42.00311	-72.60856	4	5	5		
CTRT9	W1784	Connecticut River	~ 450 feet downstream from Route 9 bridge, Hadley	42.33650	-72.61557	5	6	8	3	1
DRY1	W1785	Dry Brook	Main Road, Gill	42.64202	-72.49771	5	6	6	3	
FALL1	W1782	Fall River	~ 1000 feet upstream of Factory Hollow Road, Greenfield	42.62058	-72.54989	5	6	6		1
FORT1	W1804	Fort River	bike path bridge ~50 feet east of Route 116, Amherst	42.35565	-72.52065	5	6	5		
FORT2	W1051	Fort River	Route 47, Hadley	42.33279	-72.57858	5	6	6	3	
FOUR1	W1803	Fourmile Brook	Pine Meadow Road, Northfield	42.61634	-72.47760	5	6	5		
HOP1	W1800	Hop Brook	Station Road, Amherst	42.34205	-72.49359	5	6	5		
LAMP1	W1055	Lampson Brook	George Hannum Street, Belchertown	42.28301	-72.42817	5	6	8	4	
LM1	W1794	Longmeadow Brook	west at the Route 5 crossing, Longmeadow	42.03630	-72.58362	5	6	9	4	
LPLAIN1	W1801	Long Plain Brook	Route 116, Sunderland	42.43426	-72.54565	2	2	5		
MAN1	W1793	Manhan River	Gunn Road, Southampton	42.24110	-72.70536	5	6	5		
MAN2	W1065	Manhan River	Fort Hill Road, Easthampton	42.28350	-72.64060	5	6	6	3	
MOOSE1	W1787	Moose Brook	Moose Brook Road, Southampton	42.21446	-72.72428	5	6	5		
MRHAD1	W1050	Mill River	Mill River Lane, Hadley	42.38640	-72.55039	5	6	8	4	
MRHAT1	W1795	Mill River	North Street, Whately	42.46908	-72.64150	5	6	5		
MRHAT2	W2057	Mill River	Christian Lane, Whately	42.44445	-72.63015			1		1
MRHAT3	W1061	Mill River	Maple Street, Hatfield	42.36655	-72.60489	5	6	8	3	1
MRNOHAM1	W1796	Mill River	Clement Street, Northampton	42.31899	-72.66514	5	6	6	3	
MRSPRING1	W1786	Mill River	[~225 feet upstream of Mill Street Springfield	42.09413	-72.56912	5	6	8	4	
NBMAN1	W1797	North Br. Manhan River	Pomeroy Meadow Road, Easthampton/Southampton	42.26683	-72.69715	5	6	5		
ROAR1	W1788	Roaring Brook	North Street, Whately	42.46068	-72.64355	5	6	5		
RUSS1	W1802	Russellville Brook	Route 47, Hadley	42.41181	-72.56712	5	6	5		
SAW1	W1048	Sawmill River	South Ferry Road, Montague	42.54256	-72.54912	5	6	5		
SCANT1	W1789	Scantic River	Mill Road, Hampden	42.04832	-72.45399	5	6	5		1
SCANT2	W2059	Scantic River	~ 25 feet upstream of Temple Brook, Hampden	42.05043	-72.38600					1
STONY1	W1792	Stony Brook	~ 425 feet upstream of Route 116, South Hadley	42.24704	-72.58038	5	6	6	3	
STONY2	W1790	Stony Brook	Morgan Street, South Hadley	42.25114	-72.55944	5	6	5		
TEMP 2	W2121	Temple Brook	Scantic Road, Hampden	42.05124	-72.38505					1
TEMP1	W2058	Temple Brook	at confluence with Scantic River, Hampden	42.05049	-72.38601					1
WEST1	W1791	Weston Brook	Boardman Street, Belchertown	42.27108	-72.44986	5	6	8	4	
WILLA1	W1798	Unnamed Tributary	Yelle Street, Chicopee	42.19117	-72.59882	5	6	5		

Survey Conditions

Precipitation and stream discharge data were collected to estimate hydrological conditions during the 2008 water quality surveys in the Connecticut River Watershed. Precipitation data collected during the survey period in 2008 were downloaded from the National Oceanic and Atmospheric Administration (NOAA), National Climatic Data Center (NCDC) for the Barnes Municipal Airport (14775/BAF) weather station (NOAA 2013). The precipitation totals on the water quality survey dates and the five days prior to the survey dates were extracted from the records. In addition, the monthly precipitation totals for 2008 and the Period of Record (POR – 29 years) monthly averages for the weather station were downloaded to determine if precipitation amounts in 2008 were above or below normal (Table 2).

Table 2. 2008 Monthly precipitation (in inches) and Period of Record (POR) monthly mean precipitation at Barnes Municipal Airfield (BAF). The POR for BAF is 29 years (NOAA 2013).

Month	2008 Precipitation (in.)	POR Precipitation (in.)
January	1.94	3.26
February	8.9	2.83
March	4.97	4.1
April	3.6	4.37
May	2.29	4.44
June	4.53	4.35
July	9.95	4.09
August	3.68	4.16
September	8.59	4.49
October	2.85	4.75
November	3.48	4.12
December	4.86	3.43
TOTAL	**59.64**	**48.39**

Stream discharge data from two United States Geological Survey (USGS) stream gage stations (Table 3) were downloaded from the USGS (USGS 2013a). The two stations were Gage 01170500 Connecticut River at Montague City, MA, and Gage 01184000 Connecticut River at Thompsonville, CT. In addition to the daily mean discharge data for 2008, the Period of Record (POR) daily mean discharges for each gage station were downloaded from the USGS website. Descriptions of these gages and the data compiled are included in Table 3 (USGS 2013b). The percent comparison of the observed 2008 discharge to the POR discharge allows for an historical perspective and a comparison to “expected” discharge. Stream discharge data and precipitation data (Table 4) are provided for the five days prior to sample collection.

Table 3. Description of USGS stream gaging stations from which the 2008 Daily Mean Discharge and Period of Record (POR) Discharge were obtained (USGS 2013a,USGS 2013b).

Station Name	**Location**	**Period of Record**	**7Q10 (cfs)**	**Remarks**
USGS 01170500 Connecticut River at Montague City, MA	42°34'48" -72°34'28"	1904 to Present	1,300	Records good except those for estimated daily discharge, which are fair. Flow regulated by powerplants and by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, and other reservoirs, combined usable capacity, about 43.4 billion ft^3
USGS 01184000 Connecticut River at Thompsonville, CT	41°59′14″ -72°36′21″	1928 to Present	1,870	Records good. Flow regulated by power plants, by diversion from Chicopee River Basin and by First Connecticut and Second Connecticut Lakes, Lake Francis, Moore and Comerford Reservoirs, Quabbin Reservoir, and other reservoirs, combined usable capacity, about 107 billion ft^3.

Table 4. Precipitation totals (inches) and daily mean discharge (cfs) for five days prior to and upon each DWM 2008 Connecticut River Watershed survey date (NOAA 2013,USGS 2013a).

Note: The numbers in parentheses in the discharge columns represents a percent comparison to the Period of Record (POR) daily mean discharge. The period of record for Gage 01107500 is 104 years. The period of record for Gage 011084000 is 80 years. Shaded dates indicate the deployment of multiprobes and bold dates indicate collection of water samples.

Date	Rainfall at Barnes Airfield	Discharge and (percent of POR mean discharge) at gage 01170500	Discharge and (percent of POR mean discharge) at gage 01184000
05/01/08	T	39400 (116)	46200 (121)
05/02/08	0.18	39100 (118)	45400 (124)
05/03/08	0.21	35900 (109)	43400 (120)
05/04/08	0.06	28800 (90)	38900 (107)
05/05/08	0	24400 (79)	31800 (90)
05/06/08	0	22400 (77)	28100 (84)
05/29/08	0	12400 (76)	15200 (80)
05/30/08	0	9150 (59)	13500 (71)
05/31/08	0.22	10100 (66)	12100 (66)
06/01/08	0.01	8090 (52)	10800 (59)
06/02/08	T	11100 (70)	12100 (63)
06/03/08	T	11000 (71)	12500 (65)
06/04/08	0.3	13500 (89)	15900 (85)
06/26/08	T	5070 (55)	7900 (71)
06/27/08	0.01	6970 (77)	6530 (60)

Table 4. Precipitation totals (inches) and daily mean discharge (cfs) for five days prior to and upon each DWM 2008 Connecticut River Watershed survey date (NOAA 2013,USGS 2013a).

Note: The numbers in parentheses in the discharge columns represents a percent comparison to the Period of Record (POR) daily mean discharge. The period of record for Gage 01107500 is 104 years. The period of record for Gage 011084000 is 80 years. Shaded dates indicate the deployment of multiprobes and bold dates indicate collection of water samples.

Date	Rainfall at Barnes Airfield	Discharge and (percent of POR mean discharge) at gage 01170500	Discharge and (percent of POR mean discharge) at gage 01184000
06/28/08	0.06	4460 (49)	7500 (66)
06/29/08	0.09	2710 (30)	5330 (47)
06/30/08	0.07	5930 (63)	3890 (35)
07/01/08	1.15	2980 (31)	5900 (52)
07/02/08	0.01	3970 (42)	4270 (39)
07/24/08	0.96	9550 (146)	10800 (128)
07/25/08	0	8330 (131)	9960 (123)
07/26/08	0.01	7780 (127)	7550 (99)
07/27/08	1.58	4920 (81)	7750 (105)
07/28/08	0	6510 (111)	7400 (104)
07/29/08	0	6300 (104)	9380 (134)
07/30/08	0.01	6460 (96)	8140 (104)
08/29/08	0.02	5850 (100)	3850 (53)
08/30/08	0.18	4790 (79)	5800 (78)
08/31/08	0	3700 (62)	4630 (63)
09/01/08	0.01	2060 (36)	3550 (50)
09/02/08	T	1810 (32)	2750 (41)
09/03/08	0.02	3490 (65)	2330 (34)
09/04/08	0	4460 (83)	3200 (49)
09/05/08	0	2230 (43)	4150 (66)
09/06/08	4.52	1870 (36)	2720 (43)
09/07/08	0.04	5220 (102)	2430 (37)
09/08/08	0	4330 (82)	4790 (72)
09/09/08	0.72	2200 (41)	4180 (64)
09/10/08	0	3030 (56)	2880 (44)

Station Observations

Station observations were recorded on field sheets for each survey by a DWM investigator. Station observations are described below in Table 5 for each sampling event.

Water Quality Data

All MassDEP DWM water quality data are managed and maintained in the Water Quality Data Access Database (WQD). Tables 6 – 10 below provide the 2008 Connecticut River Watershed water quality data. The procedures used to accept, accept with qualification, or censor data are based on the DWM Standard Operating Procedures (SOP) for data validation and usability (MassDEP 2012a, MassDEP 2012b, MassDEP 2012c, and MassDEP 2012d) and are in addition to separate quality assurance activities and

laboratory validation steps undertaken by the WES. Definitions for the data qualifiers are provided in Appendix 1.

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NA=not recorded, NP=not applicable – probe deploy field sheet)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AM01	W1783	05/06/08	N	Clear	Clear	N	S	NR	NR	NR	No		No	
AM01	W1783	06/03/08	N	Clear	Clear	N	M	NR	NR	NR	No		No	
AM01	W1783	07/01/08	N	Clear	Yellow/ Tan	N	NR	NR	NR	S	No		No	
AM01	W1783	07/29/08	N	Clear	Yellow/ Tan	N	NR	S	NR	S	No		No	
AM01	W1783	09/03/08	N	Clear	Clear	N	NR	S	NR	NR	No		No	
AM01	W1783	09/09/08	N	Clear	Yellow/ Tan	N	N	N	N	N	No		No	
BACH1	W1052	05/06/08	Musty	Slightly Turbid	Yellow/ Tan	S	N	N	N	N	Yes	duckweed	Yes	trash, light
BACH1	W1052	05/30/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
BACH1	W1052	06/03/08	Musty	Slightly Turbid	Yellow/ Tan	N	NR	NR	M	NR	Yes	pollen/dust blankets, Foam	No	
BACH1	W1052	06/27/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
BACH1	W1052	07/01/08	N	Highly Turbid	Yellow/ Tan	N	N	N	N	N	No		No	
BACH1	W1052	07/25/08	Musty	Slightly Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
BACH1	W1052	07/29/08	N	Mod. Turbid	Yellow/ Tan	S	U	U	U	U	Yes	pollen/dust blankets	Yes	trash; construction debris
BACH1	W1052	09/03/08	N	Clear	Yellow/ Tan	S	N	N	N	N	No		No	

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NA=not recorded, NP=not applicable – probe deploy field sheet)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
BACH1	W1052	09/09/08	N	Mod. Turbid	Yellow/ Tan	U	U	U	U	U	No		No	
BB01	W1063	05/06/08	N	Slightly Turbid	Brown	N	U	U	U	U	No		No	
BB01	W1063	05/30/08	N	Mod. Turbid	Brown	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
BB01	W1063	06/03/08	N	Highly Turbid	Brown	U	U	U	U	U	No		No	
BB01	W1063	06/27/08	U	Highly Turbid	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
BB01	W1063	07/01/08	N	Highly Turbid	Brown	N	U	U	U	U	No		No	
BB01	W1063	07/25/08	U	Highly Turbid	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
BB01	W1063	07/29/08	N	Mod. Turbid	Brown	U	U	U	U	U	No		No	
BB01	W1063	09/03/08	N	Highly Turbid	Brown	N	U	U	U	U	Yes	Algal mat	No	
BB01	W1063	09/09/08	N	Highly Turbid	Brown	U	U	U	U	U	No		No	
Butt1	W2060	07/09/08	Musty	Slightly Turbid	Grayish	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
Butt2	W2061	07/09/08	N	Mod. Turbid	Grayish	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
CT116	W1045	05/06/08	N	Mod. Turbid	Brown	U	U	U	U	U	No		No	

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NA=not recorded, NP=not applicable – probe deploy field sheet)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
CT116	W1045	06/03/08	N	Clear	Yellow/ Tan	U	U	U	U	U	Yes		No	
CT116	W1045	07/01/08	N	Clear	Clear	D	N	N	N	N	No		No	
CT116	W1045	07/29/08	Dirt	Mod. Turbid	Dark Tan	U	U	U	U	U	No		No	
CT116	W1045	09/03/08	N	Clear	Yellow/ Tan	N	S	M	NR	NR	No		No	
CT116	W1045	09/09/08	N	Mod. Turbid	Brown	N	U	U	U	U	No		No	
CTBERN	W1799	05/06/08	N	Slightly Turbid	Brown	N	U	U	U	U	No		No	
CTBERN	W1799	05/30/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
CTBERN	W1799	06/03/08	N	Clear	Yellow/ Tan	N	NR	NR	NR	S	Yes	pollen/ dust blankets	No	
CTBERN	W1799	06/27/08	N	Clear	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
CTBERN	W1799	06/27/08	N	Clear	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
CTBERN	W1799	07/01/08	N	Clear	Brown	N	NR	M	NR	NR	No		No	
CTBERN	W1799	07/25/08	N	Highly Turbid	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
CTBERN	W1799	07/29/08	Dirt	Slightly Turbid	Brown	N	NR	D	NR	NR	No		No	
CTBERN	W1799	09/03/08	N	Clear	Brown	S	U	U	U	U	No		No	
CTBERN	W1799	09/09/08	N	Slightly Turbid	Brown	N	U	U	U	U	No		No	

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NA=not recorded, NP=not applicable – probe deploy field sheet)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
CTENF	W1395	05/06/08	Musty	Slightly Turbid	Clear	N	N	N	N	N	No		No	
CTENF	W1395	06/03/08	Effluent (Treated)	Slightly Turbid	Clear	U	NR	NR	S	NR	No		Yes	Light trash
CTENF	W1395	07/01/08	N	U deep, high flow	Clear	U	U	U	U	U	U		No	
CTENF	W1395	07/29/08	Fishy	Highly Turbid	Brown	U	U	U	U	U	No		No	
CTENF	W1395	09/03/08	N	Clear	Yellow/ Tan	S	NR	S	NR	NR	No		No	
CTENF	W1395	09/09/08	NR	NR	NR	N/A	NR	NR	NR	NR	N/A		N/A	
CTRT9	W1784	05/06/08	N	Clear	Clear	N	NR	NR	NR	NR	No		No	
CTRT9	W1784	05/30/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
CTRT9	W1784	06/03/08	N	Clear	Clear	U	U	U	U	U	Yes	pollen/dust blankets	No	
CTRT9	W1784	06/27/08	N	Clear	Brown	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
CTRT9	W1784	06/27/08	NR	NR	NR	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
CTRT9	W1784	07/01/08	N	U	Clear	U	U	U	U	U	No		No	
CTRT9	W1784	07/25/08	U	Highly Turbid	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
CTRT9	W1784	07/29/08	N	Slightly Turbid	Clear	U	U	U	U	U	Yes	Foam, leaves, debris	No	
CTRT9	W1784	09/03/08	Musty	Clear	Clear	U	U	U	U	U	Yes	Pollen/dust blankets	No	

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NA=not recorded, NP=not applicable – probe deploy field sheet)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
CTRT9	W1784	09/09/08	N	Slightly Turbid	Yellow/ Tan	U	U	U	U	U	No		No	
DRY1	W1785	05/06/08	N	Clear	Clear	S	N	N	N	N	No		No	
DRY1	W1785	05/30/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
DRY1	W1785	06/03/08	N	Clear	Yellow/ Tan	S	N	N	N	N	No		No	
DRY1	W1785	06/27/08	N	Slightly Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
DRY1	W1785	07/01/08	N	Slightly Turbid	Dark Tan	N	NR	NR	NR	S	No		No	
DRY1	W1785	07/25/08	N	Highly Turbid	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
DRY1	W1785	07/29/08	N	Slightly Turbid	Brown	S	NR	NR	NR	NR	No		No	
DRY1	W1785	09/03/08	N	Clear	Dark Tan	M	NR	S	NR	NR	No		No	
DRY1	W1785	09/09/08	N	Slightly Turbid	Yellow/ Tan	S	U	U	U	U	No		No	
FALL1	W1782	05/06/08	N	Clear	Clear	N	N	N	N	N	No		No	
FALL1	W1782	06/03/08	N	Clear	Clear	N	N	N	N	N	Yes	Foam	No	
FALL1	W1782	07/01/08	N	Clear	Brown	N	NR	S	NR	NR	No		No	
FALL1	W1782	07/01/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
FALL1	W1782	07/29/08	N	Slightly Turbid	light tan	N	N	N	N	N	No		No	
FALL1	W1782	09/03/08	N	Clear	Clear	N	NR	S	NR	NR	No		No	

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Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
FALL1	W1782	09/09/08	N	Clear	Yellow/ Tan	N	U	U	U	U	No		No	
FORT1	W1804	05/06/08	N	Clear	Clear	N	N	N	N	N	No		No	
FORT1	W1804	06/03/08	N	Clear	Yellow/ Tan	N	N	N	N	N	Yes	Foam, natural	No	
FORT1	W1804	07/01/08	N	Slightly Turbid	Yellow/ Tan	S	N	N	N	N	No		No	
FORT1	W1804	07/29/08	N	Clear	Yellow/ Tan	S	NR	S	NR	NR	Yes	Foam, natural	No	
FORT1	W1804	09/03/08	Musty	Clear	Clear	S	NR	M	NR	NR	Yes	Foam	No	
FORT1	W1804	09/09/08	Musty	Clear	Yellow/ Tan	N	N	N	N	N	No		No	
FORT2	W1051	05/06/08	N	Clear	Clear	N	N	N	N	N	No		No	
FORT2	W1051	05/30/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
FORT2	W1051	06/03/08	N	Clear	Yellow/ Tan	N	N	N	N	N	Yes	Foam, natural	No	
FORT2	W1051	06/27/08	N	Slightly Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
FORT2	W1051	07/01/08	Musty	Mod. Turbid	Yellow/ Tan	N	U	U	U	U	Yes	Foam	No	
FORT2	W1051	07/25/08	U	Highly Turbid	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
FORT2	W1051	07/29/08	N	Clear	Yellow/ Tan	U	U	U	U	U	Yes	Foam, natural	No	
FORT2	W1051	09/03/08	Sulfide	Clear	Yellow/ Tan	N	M	NR	NR	S	Yes	Foam, natural	No	

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Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
FORT2	W1051	09/09/08	Musty	Mod. Turbid	Yellow/ Tan	N	N	N	N	N	No		No	
FOUR1	W1803	05/06/08	N	Clear	Clear	N	N	N	N	N	No		No	
FOUR1	W1803	06/03/08	N	Clear	Clear	N	N	N	N	N	No		No	
FOUR1	W1803	07/01/08	N	Clear	Clear	N	N	N	N	N	No		No	
FOUR1	W1803	07/29/08	N	Clear	Clear	N	NR	S	NR	NR	No		No	
FOUR1	W1803	09/03/08	N	Clear	Yellow/ Tan	N	NR	M	M	NR	No		No	
FOUR1	W1803	09/09/08	N	Clear	Yellow/ Tan	N	NR	S	NR	NR	No		No	
HOP1	W1800	05/06/08	N	Slightly Turbid	Brown	S	N	N	N	N	No		No	
HOP1	W1800	06/03/08	N	Clear	Clear	S	U	U	U	U	No		No	
HOP1	W1800	07/01/08	Musty	Highly Turbid	Yellow/ Tan	S	U	U	U	U	No		No	
HOP1	W1800	07/29/08	N	Clear	Clear	U	U	U	U	U	Yes	Foam, natural	No	
HOP1	W1800	09/03/08	NR	Slightly Turbid	NR	D	S	NR	NR	NR	No		No	
HOP1	W1800	09/09/08	Musty	Clear	Yellow/ Tan	NR	NR	NR	NR	NR	No		No	
LAMP1	W1055	05/06/08	N	Clear	Clear	N	S	S	S	NR	No		Yes	
LAMP1	W1055	05/30/08	Sewage/ Septic	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
LAMP1	W1055	06/03/08	N	Clear	Yellow/ Tan	N	NR	NR	S	S	No		Yes	a piece of a broken pipe

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Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
														in the stream
LAMP1	W1055	06/27/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
LAMP1	W1055	07/01/08	Musty	Clear	Yellow/ Tan	N	NR	NR	NR	S	No		Yes	trash; beer cans, large part of pipe in water
LAMP1	W1055	07/25/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
LAMP1	W1055	07/29/08	N	Clear	Clear	N	N	N	N	N	No		No	
LAMP1	W1055	09/03/08	Effluent (Treated) slight	Clear	Clear	N	N	N	N	N	No		No	
LAMP1	W1055	09/05/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
LAMP1	W1055	09/09/08	N	Slightly Turbid	Yellow/ Tan	N	N	N	N	N	No		No	
LM1	W1794	05/06/08	Musty	Mod. Turbid	Yellow/ Tan	U	U	U	U	U	No		Yes	trash
LM1	W1794	05/30/08	N	Mod. Turbid	Grayish	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
LM1	W1794	06/03/08	Musty	Slightly Turbid	Yellow/ Tan	U	U	U	U	U	Yes	pollen/dust blankets	Yes	trash
LM1	W1794	06/27/08	U	Highly Turbid	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
LM1	W1794	07/01/08	Raw sewage	Highly Turbid	Yellow/ Tan	U	U	U	U	U	No		Yes	trash

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Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
LM1	W1794	07/25/08	U	Mod. Turbid	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
LM1	W1794	07/29/08	Musty	Highly Turbid	Brown	U	U	U	U	U	Yes	pollen/dust blankets	Yes	Trash
LM1	W1794	09/03/08	Raw sewage	Highly Turbid	Yellow/ Tan	N	N	N	N	N	No		No	
LM1	W1794	09/05/08	U	Mod. Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
LM1	W1794	09/09/08	Musty	Highly Turbid	Dark Tan	U	U	U	U	U	Yes	Woody debris	Yes	Trash. Some trash on bank.
LPLAIN1	W1801	05/06/08	N	Clear	Clear	N	N	N	N	N	No		No	
LPLAIN1*	W1801	06/03/08	N	Clear	Clear	N	N	N	M	N	No		No	
* = The above station (LPLAIN1) was observed to be dry on the July 1st survey. No further sampling was possible.														
MAN1	W1793	05/06/08	N	Clear	Clear	N	N	N	N	N	No		No	
MAN1	W1793	06/03/08	N	Clear	Clear	N	N	N	N	N	Yes	Foam, natural	No	
MAN1	W1793	07/01/08	N	Clear	Clear	N	M	NR	NR	NR	No		Yes	Trash
MAN1	W1793	07/29/08	N	Clear	Clear	N	N	N	N	N	Yes	Foam	No	
MAN1	W1793	09/03/08	Musty	Clear	Clear	N	NR	S	NR	NR	Yes	Foam, natural	No	
MAN1	W1793	09/09/08	N	Mod. Turbid	Brown	NR	U	U	U	U	No		No	
MAN2	W1065	05/06/08	N	Slightly Turbid	Clear	N	N	N	N	N	No		No	
MAN2	W1065	05/30/08	U	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	

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Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
MAN2	W1065	06/03/08	NR	Clear	Clear	N	N	N	N	N	No		No	
MAN2	W1065	06/27/08	U	U	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MAN2	W1065	07/01/08	N	Mod. Turbid	Clear	N	U	U	U	U	No		No	
MAN2	W1065	07/25/08	U	Mod. Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MAN2	W1065	07/29/08	N	Clear	Clear	U	U	U	U	U	Yes	pollen/dust blankets	No	
MAN2	W1065	09/03/08	Musty	Clear	Clear	N	NR	NR	VD	NR	No		No	
MAN2	W1065	09/09/08	N	Highly Turbid	Brown	S	N	N	N	N	No		No	
MOOSE1	W1787	05/06/08	N	Clear	Clear	N	N	N	N	N	No		No	
MOOSE1	W1787	06/03/08	N	Clear	Clear	N	N	N	N	N	No		No	
MOOSE1	W1787	07/01/08	N	Clear	Clear	N	N	N	N	N	No		No	
MOOSE1	W1787	07/29/08	N	Clear	Clear	N	N	N	N	N	No		No	
MOOSE1	W1787	09/03/08	N	Clear	Clear	N	N	N	N	N	No		No	
MOOSE1	W1787	09/09/08	N	Highly Turbid	Brown	U	U	U	U	U	No		No	
MRHAD1	W1050	05/06/08	N	Clear	Clear	S	N	N	N	N	No		No	
MRHAD1	W1050	05/30/08	N	Slightly Turbid	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRHAD1	W1050	06/03/08	N	Clear	Clear	S	N	N	N	N	No		No	
MRHAD1	W1050	06/27/08	N	Slightly Turbid	Brown	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRHAD1	W1050	07/01/08	N	Highly	Yellow/	S	N	N	N	N	No		No	

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Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
				Turbid	Tan									
MRHAD1	W1050	07/25/08	N	Highly Turbid	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRHAD1	W1050	07/29/08	N	Clear	Clear	S	U	U	U	U	No		No	
MRHAD1	W1050	09/03/08	Musty	Clear	Clear	S	N	N	N	N	No		No	
MRHAD1	W1050	09/05/08	N	Slightly Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRHAD1	W1050	09/09/08	Musty	Clear	Yellow/ Tan	S	NR	NR	NR	NR	No		No	
MRHAT1	W1795	05/06/08	N	Clear	Yellow/ Tan	S	N	N	N	N	No		No	
MRHAT1	W1795	06/03/08	N	Mod. Turbid	Brown	S	N	N	N	N	No		No	
MRHAT1	W1795	07/01/08	N	Slightly Turbid	Brown	N	S	NR	NR	NR	No		No	
MRHAT1	W1795	07/29/08	N	Clear	Yellow/ Tan	S	NR	S	NR	NR	No		No	
MRHAT1	W1795	09/03/08	N	NR	NR	S	S	NR	NR	NR	No		No	
MRHAT1	W1795	09/09/08	N	Slightly Turbid	Brown	U	U	U	U	U	No		No	
MRHAT2	W2057	06/27/08	N	Mod. Turbid	Brown	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRHAT3	W1061	05/06/08	N	Clear	Clear	S	N	N	N	N	No		No	
MRHAT3	W1061	05/30/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRHAT3	W1061	06/03/08	N	Slightly Turbid	Brown	N	N	N	N	N	No		No	

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Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
MRHAT3	W1061	06/27/08	N	Clear	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRHAT3	W1061	06/27/08	NR	Clear	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRHAT3	W1061	07/01/08	NR	Slightly Turbid	Brown	N	U	U	U	U	No		No	
MRHAT3	W1061	07/25/08	U	Highly Turbid	U	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRHAT3	W1061	07/29/08	Musty	Slightly Turbid	Dark Tan	M	U	U	U	U	No		No	
MRHAT3	W1061	09/03/08	N	Clear	Brown	M	S	NR	M	NR	No		No	
MRHAT3	W1061	09/09/08	N	Mod. Turbid	Brown	U	U	U	U	U	No		No	
MRNOHAM1	W1796	05/06/08	N	Clear	Clear	N	N	N	N	N	No		No	
MRNOHAM1	W1796	05/30/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRNOHAM1	W1796	06/03/08	N	Clear	Yellow/ Tan	N	N	N	N	N	No		No	
MRNOHAM1	W1796	06/27/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRNOHAM1	W1796	07/01/08	N	Clear	Yellow/ Tan	N	NR	NR	NR	NR	No		No	
MRNOHAM1	W1796	07/25/08	Musty	Slightly Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRNOHAM1	W1796	07/29/08	N	Clear	Dark Tan	N	NR	S	NR	NR	No		No	
MRNOHAM1	W1796	09/03/08	N	Clear	Dark Tan	N	NR	M	NR	NR	No		No	

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Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
MRNOHAM1	W1796	09/09/08	NR	Slightly Turbid	Brown	U	U	U	U	U	No		No	
MRSPRING1	W1786	05/06/08	Raw sewage	Clear	Yellow/ Tan	U	U	U	U	U	No		Yes	other; impair for aesthetics D.Davis
MRSPRING1	W1786	05/30/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRSPRING1	W1786	06/03/08	Musty sewage odor in air	Slightly Turbid	Yellow/ Tan	N	S	M	M	NR	Yes	pollen/dust blankets	Yes	trash
MRSPRING1	W1786	06/27/08	Musty Sewage/ Septic	Mod. Turbid	Brown	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRSPRING1	W1786	07/01/08	Musty	Highly Turbid	Yellow/ Tan	N	N	N	N	N	No		Yes	trash; TV, lots of plastic bags, paper/plastic kitchenware on banks and in water
MRSPRING1	W1786	07/25/08	N	Mod. Turbid	Brown	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRSPRING1	W1786	07/29/08	NR	Mod. Turbid	Brown	U	U	U	U	U	No		Yes	Trash

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Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
MRSPRING1	W1786	09/03/08	Raw sewage	Slightly Turbid	Yellow/ Tan	NR	NR	NR	NR	NR	No		Yes	trash
MRSPRING1	W1786	09/05/08	Fishy	Slightly Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
MRSPRING1	W1786	09/09/08	N	Highly Turbid	Yellow/ Tan	U	U	U	U	U	No		Yes	Trash.
NBMAN1	W1797	05/06/08	NR	Clear	Clear	N	N	N	N	N	No		No	
NBMAN1	W1797	06/03/08	N	Clear	Yellow/ Tan	N	M	NR	NR	NR	Yes	pollen/dust blankets; natural	No	
NBMAN1	W1797	07/01/08	N	Slightly Turbid	Clear	N	N	N	N	N	No		No	
NBMAN1	W1797	07/29/08	N	Clear	Clear	N	S	NR	NR	NR	Yes	Foam, natural	No	
NBMAN1	W1797	09/03/08	Musty	Clear	Clear	N	NR	D	NR	NR	No		No	
NBMAN1	W1797	09/09/08	N	Mod. Turbid	Yellow/ Tan	NR	NR	NR	NR	NR	No		Yes	Trash. Minor
ROAR1	W1788	05/06/08	N	Clear	Yellow/ Tan	N	M	S	NR	NR	No		No	
ROAR1	W1788	06/03/08	N	Clear	Clear	N	M	NR	NR	NR	No		No	
ROAR1	W1788	07/01/08	N	Clear	Clear	N	S	NR	NR	NR	No		No	
ROAR1	W1788	07/29/08	N	Clear	Clear	N	N	N	N	N	No		No	
ROAR1	W1788	09/03/08	N	Clear	Dark Tan	NR	NR	M	S	NR	No		No	
ROAR1	W1788	09/09/08	N	Clear	Yellow/ Tan	N	U	U	U	U	No		No	

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NA=not recorded, NP=not applicable – probe deploy field sheet)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
RUSS1	W1802	05/06/08	N	Clear	Clear	S	N	N	N	N	No		No	
RUSS1	W1802	06/03/08	N	Clear	Clear	S	N	N	N	N	No		No	
RUSS1	W1802	07/01/08	N	Clear	Clear	S	N	N	N	N	No		No	
RUSS1	W1802	07/29/08	N	Clear	Clear	M	N	N	N	N	No		No	
RUSS1	W1802	09/03/08	Musty	Clear	Clear	D	N	N	N	N	No		No	
RUSS1	W1802	09/09/08	Musty	Clear	Clear	M	N	N	N	N	No		Yes	Trash. Minor
SAW1	W1048	05/06/08	N	Clear	Clear	N	N	N	N	N	No		No	
SAW1	W1048	06/03/08	N	Clear	Clear	N	N	N	N	N	No		No	
SAW1	W1048	07/01/08	N	Clear	Clear	N	N	N	N	N	No		No	
SAW1	W1048	07/29/08	N	Clear	light tan	N	N	N	N	N	No		No	
SAW1	W1048	09/03/08	N	Clear	Dark Tan	N	NR	NR	S	NR	No		No	
SAW1	W1048	09/09/08	N	Mod. Turbid	Dark Tan	N	U	U	U	U	No		No	
SCANT1	W1789	05/06/08	N	Clear	Clear	N	NR	S	S	NR	No		Yes	light trash
SCANT1	W1789	06/03/08	N	Clear	Clear	N	N	N	N	N	Yes	pollen/dust blankets; cottonwood chaff	Yes	trash; light
SCANT1	W1789	07/01/08	Musty	Mod. Turbid	Yellow/ Tan	N	N	N	N	N	No		No	
SCANT1	W1789	07/09/08	Musty	Clear	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NA=not recorded, NP=not applicable – probe deploy field sheet)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
SCANT1	W1789	07/29/08	NR	Slightly Turbid	Yellow/ Tan	S	N	N	N	N	No		No	
SCANT1	W1789	09/03/08	N	Clear	Clear	N	N	N	N	N	No		No	
SCANT1	W1789	09/09/08	N	Mod. Turbid	Dark Tan	U	U	U	U	U	No		No	
SCANT2	W2059	07/09/08	Musty	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
STONY1	W1792	05/06/08	Musty	Clear	Yellow/ Tan	N	N	N	N	N	No		No	
STONY1	W1792	05/30/08	N	Slightly Turbid	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
STONY1	W1792	06/03/08	N	Clear	Yellow/ Tan	S	D	M	NR	NR	No		No	
STONY1	W1792	06/27/08	Musty	Highly Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
STONY1	W1792	07/01/08	N	Highly Turbid	Yellow/ Tan	S	D	D	NR	NR	Yes	Foam, natural	No	
STONY1	W1792	07/25/08	Musty	Slightly Turbid	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
STONY1	W1792	07/29/08	Musty	Mod. Turbid	Brown	U	U	U	U	U	No		No	
STONY1	W1792	09/03/08	N	Mod. Turbid	Yellow/ Tan	N	S	NR	NR	S	Yes	Foam (slight)	No	
STONY1	W1792	09/09/08	Musty	Mod. Turbid	Dark Tan	U	U	U	U	U	No		No	
STONY2	W1790	05/06/08	N	Slightly Turbid	Yellow/ Tan	S	N	N	N	N	No		No	

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NA=not recorded, NP=not applicable – probe deploy field sheet)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
STONY2	W1790	06/03/08	N	Clear	Yellow/ Tan	S	NR	D	NR	NR	No		Yes	trash; light
STONY2	W1790	07/01/08	Musty	Highly Turbid	Yellow/ Tan	S	D	D	NR	NR	No		No	
STONY2	W1790	07/29/08	Musty	Mod. Turbid	Brown	S	U	U	U	U	No		No	
STONY2	W1790	09/03/08	N	Mod. Turbid	Yellow/ Tan	NR	NR	S	NR	NR	No		No	
STONY2	W1790	09/09/08	Musty	Mod. Turbid	Yellow/ Tan	U	U	U	U	U	No		No	
TEMP 2	W2121	07/15/09	N	Clear	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
TEMP1	W2058	07/09/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
WEST1	W1791	05/06/08	Musty	Slightly Turbid	Clear	S	NR	NR	NR	M	No		No	
WEST1	W1791	05/30/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
WEST1	W1791	06/03/08	N	Clear	Yellow/ Tan	S	D	M	S	S	No		No	
WEST1	W1791	06/27/08	N	Clear	Clear	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
WEST1	W1791	07/01/08	Musty	Slightly Turbid	Yellow/ Tan	S	S	NR	NR	S	Yes	Foam	No	
WEST1	W1791	07/25/08	Musty	Clear	Reddish	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
WEST1	W1791	07/29/08	N	Slightly Turbid	Yellow/ Tan	S	U	U	U	U	No		No	
WEST1	W1791	09/03/08	N	Clear	Yellow/ Tan	M	M	NR	NR	NR	No		No	

Table 5. 2008 Field observations from MassDEP DWM Connecticut River Watershed river surveys

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NA=not recorded, NP=not applicable – probe deploy field sheet)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
WEST1	W1791	09/05/08	N	Clear	Yellow/ Tan	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
WEST1	W1791	09/09/08	N	Mod. Turbid	Yellow/ Tan	S	NR	NR	NR	D	No		No	
WILLA1	W1798	05/06/08	Musty	Clear	Clear	N	NR	S	NR	NR	No		Yes	trash
WILLA1	W1798	06/03/08	N	Clear	Clear	N	M	NR	NR	NR	No		Yes	trash; minor
WILLA1	W1798	07/01/08	Musty	Slightly Turbid	Clear	N	N	N	N	N	No		No	
WILLA1	W1798	07/29/08	Musty	Slightly Turbid	Grayish	N	NR	S	NR	NR	No		Yes	Trash
WILLA1	W1798	09/03/08	N	Clear	Clear	N	N	N	N	S	No		No	
WILLA1	W1798	09/09/08	Musty	Highly Turbid rainstorm	Brown	U	U	U	U	U	No		Yes	trash; light trash

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
AM01	W1783	34-0586	05/06/08	11:00	Ammonia-N	mg/L	<0.02	
AM01	W1783	34-0688	06/03/08	11:21	Ammonia-N	mg/L	<0.02	
AM01	W1783	34-0790	07/01/08	11:03	Ammonia-N	mg/L	<0.02	
AM01	W1783	34-0922	07/29/08	11:07	Ammonia-N	mg/L	<0.02	
AM01	W1783	34-1033	09/09/08	10:45	Ammonia-N	mg/L	<0.02	
AM01	W1783	34-0586	05/06/08	11:00	*E. coli*	CFU/100mL	<4	
AM01	W1783	34-0688	06/03/08	11:21	*E. coli*	CFU/100mL	4	
AM01	W1783	34-0790	07/01/08	11:03	*E. coli*	CFU/100mL	10	
AM01	W1783	34-0922	07/29/08	11:07	*E. coli*	CFU/100mL	<10	
AM01	W1783	34-0979	09/03/08	10:46	*E. coli*	CFU/100mL	20	
AM01	W1783	34-1033	09/09/08	10:45	*E. coli*	CFU/100mL	340	
AM01	W1783	34-0586	05/06/08	11:00	Suspended Solids	mg/L	<1.0	
AM01	W1783	34-0688	06/03/08	11:21	Suspended Solids	mg/L	<1.0	
AM01	W1783	34-0790	07/01/08	11:03	Suspended Solids	mg/L	1.0	
AM01	W1783	34-0922	07/29/08	11:07	Suspended Solids	mg/L	1.1	
AM01	W1783	34-1033	09/09/08	10:45	Suspended Solids	mg/L	1.9	
AM01	W1783	34-0586	05/06/08	11:00	Total Nitrogen	mg/L	0.18	
AM01	W1783	34-0688	06/03/08	11:21	Total Nitrogen	mg/L	0.28	
AM01	W1783	34-0790	07/01/08	11:03	Total Nitrogen	mg/L	0.27	
AM01	W1783	34-0922	07/29/08	11:07	Total Nitrogen	mg/L	0.25	h
AM01	W1783	34-1033	09/09/08	10:45	Total Nitrogen	mg/L	0.32	
AM01	W1783	34-0586	05/06/08	11:00	Total Phosphorus	mg/L	0.005	
AM01	W1783	34-0688	06/03/08	11:21	Total Phosphorus	mg/L	0.005	
AM01	W1783	34-0790	07/01/08	11:03	Total Phosphorus	mg/L	0.007	
AM01	W1783	34-0922	07/29/08	11:07	Total Phosphorus	mg/L	0.008	h
AM01	W1783	34-1033	09/09/08	10:45	Total Phosphorus	mg/L	0.014	
AM01	W1783	34-0586	05/06/08	11:00	True Color	PCU	<15	
AM01	W1783	34-0688	06/03/08	11:21	True Color	PCU	<15	
AM01	W1783	34-0790	07/01/08	11:03	True Color	PCU	27	
AM01	W1783	34-0922	07/29/08	11:07	True Color	PCU	42	
AM01	W1783	34-1033	09/09/08	10:45	True Color	PCU	47	
AM01	W1783	34-0586	05/06/08	11:00	Turbidity	NTU	0.9	b
AM01	W1783	34-0688	06/03/08	11:21	Turbidity	NTU	<0.5	b
AM01	W1783	34-0790	07/01/08	11:03	Turbidity	NTU	0.8	
AM01	W1783	34-0922	07/29/08	11:07	Turbidity	NTU	0.8	
AM01	W1783	34-1033	09/09/08	10:45	Turbidity	NTU	1.3	
BACH1	W1052	34-0597	05/06/08	10:31	Ammonia-N	mg/L	<0.02	
BACH1	W1052	34-0699	06/03/08	10:17	Ammonia-N	mg/L	<0.02	
BACH1	W1052	34-0801	07/01/08	10:11	Ammonia-N	mg/L	0.03	
BACH1	W1052	34-0933	07/29/08	10:40	Ammonia-N	mg/L	0.03	
BACH1	W1052	34-1044	09/09/08	10:15	Ammonia-N	mg/L	0.02	
BACH1	W1052	34-0597	05/06/08	10:31	*E. coli*	CFU/100mL	76	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
BACH1	W1052	34-0699	06/03/08	10:17	*E. coli*	CFU/100mL	100	
BACH1	W1052	34-0801	07/01/08	10:11	*E. coli*	CFU/100mL	160	
BACH1	W1052	34-0933	07/29/08	10:40	*E. coli*	CFU/100mL	180	
BACH1	W1052	34-0990	09/03/08	10:07	*E. coli*	CFU/100mL	180	
BACH1	W1052	34-1044	09/09/08	10:15	*E. coli*	CFU/100mL	300	
BACH1	W1052	34-0597	05/06/08	10:31	Suspended Solids	mg/L	10	
BACH1	W1052	34-0699	06/03/08	10:17	Suspended Solids	mg/L	5.3	
BACH1	W1052	34-0801	07/01/08	10:11	Suspended Solids	mg/L	4.5	
BACH1	W1052	34-0933	07/29/08	10:40	Suspended Solids	mg/L	4.2	
BACH1	W1052	34-1044	09/09/08	10:15	Suspended Solids	mg/L	7.0	
BACH1	W1052	34-0597	05/06/08	10:31	Total Nitrogen	mg/L	0.43	
BACH1	W1052	34-0699	06/03/08	10:17	Total Nitrogen	mg/L	0.53	
BACH1	W1052	34-0801	07/01/08	10:11	Total Nitrogen	mg/L	0.55	
BACH1	W1052	34-0933	07/29/08	10:40	Total Nitrogen	mg/L	0.58	h
BACH1	W1052	34-1044	09/09/08	10:15	Total Nitrogen	mg/L	0.43	
BACH1	W1052	34-0597	05/06/08	10:31	Total Phosphorus	mg/L	0.029	
BACH1	W1052	34-0699	06/03/08	10:17	Total Phosphorus	mg/L	0.034	
BACH1	W1052	34-0801	07/01/08	10:11	Total Phosphorus	mg/L	0.033	
BACH1	W1052	34-0933	07/29/08	10:40	Total Phosphorus	mg/L	0.056	h
BACH1	W1052	34-1044	09/09/08	10:15	Total Phosphorus	mg/L	0.045	
BACH1	W1052	34-0597	05/06/08	10:31	True Color	PCU	32	
BACH1	W1052	34-0699	06/03/08	10:17	True Color	PCU	26	
BACH1	W1052	34-0801	07/01/08	10:11	True Color	PCU	31	
BACH1	W1052	34-0933	07/29/08	10:40	True Color	PCU	68	
BACH1	W1052	34-1044	09/09/08	10:15	True Color	PCU	56	
BACH1	W1052	34-0597	05/06/08	10:31	Turbidity	NTU	3.8	
BACH1	W1052	34-0699	06/03/08	10:17	Turbidity	NTU	3.8	
BACH1	W1052	34-0801	07/01/08	10:11	Turbidity	NTU	3.3	
BACH1	W1052	34-0933	07/29/08	10:40	Turbidity	NTU	2.8	
BACH1	W1052	34-1044	09/09/08	10:15	Turbidity	NTU	3.9	
BB01	W1063	34-0574	05/06/08	12:14	Ammonia-N	mg/L	0.08	
BB01	W1063	34-0676	06/03/08	11:59	Ammonia-N	mg/L	0.20	
BB01	W1063	34-0778	07/01/08	11:50	Ammonia-N	mg/L	0.18	
BB01	W1063	34-0910	07/29/08	11:44	Ammonia-N	mg/L	0.10	
BB01	W1063	34-1021	09/09/08	11:57	Ammonia-N	mg/L	0.13	
BB01	W1063	34-0574	05/06/08	12:14	*E. coli*	CFU/100mL	92	
BB01	W1063	34-0676	06/03/08	11:59	*E. coli*	CFU/100mL	108	
BB01	W1063	34-0778	07/01/08	11:50	*E. coli*	CFU/100mL	230	
BB01	W1063	34-0910	07/29/08	11:44	*E. coli*	CFU/100mL	410	
BB01	W1063	34-0967	09/03/08	11:29	*E. coli*	CFU/100mL	170	
BB01	W1063	34-1021	09/09/08	11:57	*E. coli*	CFU/100mL	960	
BB01	W1063	34-0574	05/06/08	12:14	Suspended Solids	mg/L	2.3	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
BB01	W1063	34-0676	06/03/08	11:59	Suspended Solids	mg/L	5.0	
BB01	W1063	34-0778	07/01/08	11:50	Suspended Solids	mg/L	6.2	
BB01	W1063	34-0910	07/29/08	11:44	Suspended Solids	mg/L	3.3	
BB01	W1063	34-1021	09/09/08	11:57	Suspended Solids	mg/L	3.6	
BB01	W1063	34-0574	05/06/08	12:14	Total Nitrogen	mg/L	0.68	
BB01	W1063	34-0676	06/03/08	11:59	Total Nitrogen	mg/L	0.85	
BB01	W1063	34-0778	07/01/08	11:50	Total Nitrogen	mg/L	0.81	
BB01	W1063	34-0910	07/29/08	11:44	Total Nitrogen	mg/L	0.88	h
BB01	W1063	34-1021	09/09/08	11:57	Total Nitrogen	mg/L	0.95	
BB01	W1063	34-0574	05/06/08	12:14	Total Phosphorus	mg/L	0.038	
BB01	W1063	34-0676	06/03/08	11:59	Total Phosphorus	mg/L	0.093	
BB01	W1063	34-0778	07/01/08	11:50	Total Phosphorus	mg/L	0.094	
BB01	W1063	34-0910	07/29/08	11:44	Total Phosphorus	mg/L	0.098	h
BB01	W1063	34-1021	09/09/08	11:57	Total Phosphorus	mg/L	0.12	
BB01	W1063	34-0574	05/06/08	12:14	True Color	PCU	16	
BB01	W1063	34-0676	06/03/08	11:59	True Color	PCU	31	
BB01	W1063	34-0778	07/01/08	11:50	True Color	PCU	43	
BB01	W1063	34-0910	07/29/08	11:44	True Color	PCU	34	
BB01	W1063	34-1021	09/09/08	11:57	True Color	PCU	45	
BB01	W1063	34-0574	05/06/08	12:14	Turbidity	NTU	1.7	
BB01	W1063	34-0676	06/03/08	11:59	Turbidity	NTU	8.2	
BB01	W1063	34-0778	07/01/08	11:50	Turbidity	NTU	9.8	
BB01	W1063	34-0910	07/29/08	11:44	Turbidity	NTU	4.9	b
BB01	W1063	34-1021	09/09/08	11:57	Turbidity	NTU	5.4	
CT116	W1045	34-0573	05/06/08	11:45	Ammonia-N	mg/L	0.02	
CT116	W1045	34-0675	06/03/08	11:32	Ammonia-N	mg/L	0.02	
CT116	W1045	34-0777	07/01/08	11:30	Ammonia-N	mg/L	0.02	
CT116	W1045	34-0909	07/29/08	11:25	Ammonia-N	mg/L	0.02	
CT116	W1045	34-1020	09/09/08	11:25	Ammonia-N	mg/L	0.03	
CT116	W1045	34-0573	05/06/08	11:45	*E. coli*	CFU/100mL	8	
CT116	W1045	34-0675	06/03/08	11:32	*E. coli*	CFU/100mL	8	
CT116	W1045	34-0777	07/01/08	11:30	*E. coli*	CFU/100mL	10	
CT116	W1045	34-0909	07/29/08	11:25	*E. coli*	CFU/100mL	40	
CT116	W1045	34-0966	09/03/08	11:09	*E. coli*	CFU/100mL	<10	
CT116	W1045	34-1020	09/09/08	11:25	*E. coli*	CFU/100mL	140	
CT116	W1045	34-0675	06/03/08	11:32	Hardness	mg/L	44	
CT116	W1045	34-0777	07/01/08	11:30	Hardness	mg/L	32	
CT116	W1045	34-0909	07/29/08	11:25	Hardness	mg/L	27	
CT116	W1045	34-0573	05/06/08	11:45	Suspended Solids	mg/L	12	
CT116	W1045	34-0675	06/03/08	11:32	Suspended Solids	mg/L	1.9	
CT116	W1045	34-0777	07/01/08	11:30	Suspended Solids	mg/L	3.3	
CT116	W1045	34-0909	07/29/08	11:25	Suspended Solids	mg/L	10	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
CT116	W1045	34-1020	09/09/08	11:25	Suspended Solids	mg/L	3.8	
CT116	W1045	34-0573	05/06/08	11:45	Total Nitrogen	mg/L	0.40	
CT116	W1045	34-0675	06/03/08	11:32	Total Nitrogen	mg/L	0.54	
CT116	W1045	34-0777	07/01/08	11:30	Total Nitrogen	mg/L	0.44	
CT116	W1045	34-0909	07/29/08	11:25	Total Nitrogen	mg/L	0.38	h
CT116	W1045	34-1020	09/09/08	11:25	Total Nitrogen	mg/L	0.42	
CT116	W1045	34-0573	05/06/08	11:45	Total Phosphorus	mg/L	0.023	
CT116	W1045	34-0675	06/03/08	11:32	Total Phosphorus	mg/L	0.013	
CT116	W1045	34-0777	07/01/08	11:30	Total Phosphorus	mg/L	0.014	
CT116	W1045	34-0909	07/29/08	11:25	Total Phosphorus	mg/L	0.025	h
CT116	W1045	34-1020	09/09/08	11:25	Total Phosphorus	mg/L	0.015	
CT116	W1045	34-0573	05/06/08	11:45	True Color	PCU	<15	
CT116	W1045	34-0675	06/03/08	11:32	True Color	PCU	<15	
CT116	W1045	34-0777	07/01/08	11:30	True Color	PCU	16	
CT116	W1045	34-0909	07/29/08	11:25	True Color	PCU	31	
CT116	W1045	34-1020	09/09/08	11:25	True Color	PCU	29	
CT116	W1045	34-0573	05/06/08	11:45	Turbidity	NTU	3.6	
CT116	W1045	34-0675	06/03/08	11:32	Turbidity	NTU	1.1	
CT116	W1045	34-0777	07/01/08	11:30	Turbidity	NTU	2.6	
CT116	W1045	34-0909	07/29/08	11:25	Turbidity	NTU	5.9	b
CT116	W1045	34-1020	09/09/08	11:25	Turbidity	NTU	3.2	
CTBERN	W1799	34-0569	05/06/08	9:20	Ammonia-N	mg/L	0.02	
CTBERN	W1799	34-0671	06/03/08	9:31	Ammonia-N	mg/L	<0.02	
CTBERN	W1799	34-0773	07/01/08	9:24	Ammonia-N	mg/L	0.02	
CTBERN	W1799	34-0905	07/29/08	9:27	Ammonia-N	mg/L	0.02	
CTBERN	W1799	34-1016	09/09/08	9:40	Ammonia-N	mg/L	0.03	
CTBERN	W1799	34-0569	05/06/08	9:20	*E. coli*	CFU/100mL	2	
CTBERN	W1799	34-0671	06/03/08	9:31	*E. coli*	CFU/100mL	4	
CTBERN	W1799	34-0773	07/01/08	9:24	*E. coli*	CFU/100mL	60	
CTBERN	W1799	34-0905	07/29/08	9:27	*E. coli*	CFU/100mL	50	
CTBERN	W1799	34-0962	09/03/08	9:38	*E. coli*	CFU/100mL	<10	
CTBERN	W1799	34-1016	09/09/08	9:40	*E. coli*	CFU/100mL	220	
CTBERN	W1799	34-0671	06/03/08	9:31	Hardness	mg/L	48	
CTBERN	W1799	34-0773	07/01/08	9:24	Hardness	mg/L	36	
CTBERN	W1799	34-0905	07/29/08	9:27	Hardness	mg/L	29	
CTBERN	W1799	34-0569	05/06/08	9:20	Suspended Solids	mg/L	6.0	
CTBERN	W1799	34-0671	06/03/08	9:31	Suspended Solids	mg/L	1.9	
CTBERN	W1799	34-0773	07/01/08	9:24	Suspended Solids	mg/L	5.5	
CTBERN	W1799	34-0905	07/29/08	9:27	Suspended Solids	mg/L	6.3	
CTBERN	W1799	34-1016	09/09/08	9:40	Suspended Solids	mg/L	1.9	
CTBERN	W1799	34-0569	05/06/08	9:20	Total Nitrogen	mg/L	0.36	
CTBERN	W1799	34-0671	06/03/08	9:31	Total Nitrogen	mg/L	0.52	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
CTBERN	W1799	34-0773	07/01/08	9:24	Total Nitrogen	mg/L	0.43	
CTBERN	W1799	34-0905	07/29/08	9:27	Total Nitrogen	mg/L	0.37	h
CTBERN	W1799	34-1016	09/09/08	9:40	Total Nitrogen	mg/L	0.38	
CTBERN	W1799	34-0569	05/06/08	9:20	Total Phosphorus	mg/L	0.015	
CTBERN	W1799	34-0671	06/03/08	9:31	Total Phosphorus	mg/L	0.014	
CTBERN	W1799	34-0773	07/01/08	9:24	Total Phosphorus	mg/L	0.027	
CTBERN	W1799	34-0905	07/29/08	9:27	Total Phosphorus	mg/L	0.019	h
CTBERN	W1799	34-1016	09/09/08	9:40	Total Phosphorus	mg/L	0.011	
CTBERN	W1799	34-0569	05/06/08	9:20	True Color	PCU	<15	
CTBERN	W1799	34-0671	06/03/08	9:31	True Color	PCU	<15	
CTBERN	W1799	34-0773	07/01/08	9:24	True Color	PCU	19	
CTBERN	W1799	34-0905	07/29/08	9:27	True Color	PCU	29	
CTBERN	W1799	34-1016	09/09/08	9:40	True Color	PCU	26	
CTBERN	W1799	34-0569	05/06/08	9:20	Turbidity	NTU	5.1	
CTBERN	W1799	34-0671	06/03/08	9:31	Turbidity	NTU	1.7	
CTBERN	W1799	34-0773	07/01/08	9:24	Turbidity	NTU	4.1	
CTBERN	W1799	34-0905	07/29/08	9:27	Turbidity	NTU	5.2	b
CTBERN	W1799	34-1016	09/09/08	9:40	Turbidity	NTU	2.2	
CTENF	W1395	34-0606	05/06/08	14:02	Ammonia-N	mg/L	0.03	
CTENF	W1395	34-0708	06/03/08	13:20	Ammonia-N	mg/L	0.03	
CTENF	W1395	34-0810	07/01/08	13:29	Ammonia-N	mg/L	0.04	
CTENF	W1395	34-0942	07/29/08	13:58	Ammonia-N	mg/L	0.03	
CTENF	W1395	34-0606	05/06/08	14:02	*E. coli*	CFU/100mL	24	
CTENF	W1395	34-0708	06/03/08	13:20	*E. coli*	CFU/100mL	44	
CTENF	W1395	34-0810	07/01/08	13:29	*E. coli*	CFU/100mL	230	
CTENF	W1395	34-0942	07/29/08	13:58	*E. coli*	CFU/100mL	260	
CTENF	W1395	34-0999	09/03/08	12:38	*E. coli*	CFU/100mL	10	
CTENF	W1395	34-0708	06/03/08	13:20	Hardness	mg/L	45	
CTENF	W1395	34-0810	07/01/08	13:29	Hardness	mg/L	36	
CTENF	W1395	34-0942	07/29/08	13:58	Hardness	mg/L	30	
CTENF	W1395	34-0606	05/06/08	14:02	Suspended Solids	mg/L	8.6	
CTENF	W1395	34-0708	06/03/08	13:20	Suspended Solids	mg/L	2.7	
CTENF	W1395	34-0810	07/01/08	13:29	Suspended Solids	mg/L	9.6	
CTENF	W1395	34-0942	07/29/08	13:58	Suspended Solids	mg/L	21	
CTENF	W1395	34-0606	05/06/08	14:02	Total Nitrogen	mg/L	0.43	
CTENF	W1395	34-0708	06/03/08	13:20	Total Nitrogen	mg/L	0.73	
CTENF	W1395	34-0810	07/01/08	13:29	Total Nitrogen	mg/L	0.52	
CTENF	W1395	34-0942	07/29/08	13:58	Total Nitrogen	mg/L	0.51	h
CTENF	W1395	34-0606	05/06/08	14:02	Total Phosphorus	mg/L	0.030	
CTENF	W1395	34-0708	06/03/08	13:20	Total Phosphorus	mg/L	0.032	
CTENF	W1395	34-0810	07/01/08	13:29	Total Phosphorus	mg/L	0.031	
CTENF	W1395	34-0942	07/29/08	13:58	Total Phosphorus	mg/L	0.048	h

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
CTENF	W1395	34-0606	05/06/08	14:02	True Color	PCU	<15	
CTENF	W1395	34-0708	06/03/08	13:20	True Color	PCU	<15	
CTENF	W1395	34-0810	07/01/08	13:29	True Color	PCU	18	
CTENF	W1395	34-0942	07/29/08	13:58	True Color	PCU	31	
CTENF	W1395	34-0606	05/06/08	14:02	Turbidity	NTU	4.2	
CTENF	W1395	34-0708	06/03/08	13:20	Turbidity	NTU	1.5	
CTENF	W1395	34-0810	07/01/08	13:29	Turbidity	NTU	4.1	
CTENF	W1395	34-0942	07/29/08	13:58	Turbidity	NTU	14.5	
CTRT9	W1784	34-0590	05/06/08	12:36	Ammonia-N	mg/L	<0.02	
CTRT9	W1784	34-0692	06/03/08	13:38	Ammonia-N	mg/L	<0.02	
CTRT9	W1784	34-0794	07/01/08	12:32	Ammonia-N	mg/L	0.02	
CTRT9	W1784	34-0926	07/29/08	13:06	Ammonia-N	mg/L	0.03	
CTRT9	W1784	34-1037	09/09/08	11:59	Ammonia-N	mg/L	0.03	
CTRT9	W1784	34-0590	05/06/08	12:36	*E. coli*	CFU/100mL	2	
CTRT9	W1784	34-0692	06/03/08	13:38	*E. coli*	CFU/100mL	8	
CTRT9	W1784	34-0794	07/01/08	12:32	*E. coli*	CFU/100mL	30	
CTRT9	W1784	34-0926	07/29/08	13:06	*E. coli*	CFU/100mL	70	
CTRT9	W1784	34-0983	09/03/08	11:53	*E. coli*	CFU/100mL	10	
CTRT9	W1784	34-1037	09/09/08	11:59	*E. coli*	CFU/100mL	180	
CTRT9	W1784	34-0692	06/03/08	13:38	Hardness	mg/L	46	
CTRT9	W1784	34-0794	07/01/08	12:32	Hardness	mg/L	35	
CTRT9	W1784	34-0926	07/29/08	13:06	Hardness	mg/L	28	
CTRT9	W1784	34-0590	05/06/08	12:36	Suspended Solids	mg/L	7.0	
CTRT9	W1784	34-0692	06/03/08	13:38	Suspended Solids	mg/L	2.1	
CTRT9	W1784	34-0794	07/01/08	12:32	Suspended Solids	mg/L	7.7	
CTRT9	W1784	34-0926	07/29/08	13:06	Suspended Solids	mg/L	20	
CTRT9	W1784	34-1037	09/09/08	11:59	Suspended Solids	mg/L	7.2	
CTRT9	W1784	34-0590	05/06/08	12:36	Total Nitrogen	mg/L	0.38	
CTRT9	W1784	34-0692	06/03/08	13:38	Total Nitrogen	mg/L	0.53	
CTRT9	W1784	34-0794	07/01/08	12:32	Total Nitrogen	mg/L	0.47	
CTRT9	W1784	34-0926	07/29/08	13:06	Total Nitrogen	mg/L	0.42	h
CTRT9	W1784	34-1037	09/09/08	11:59	Total Nitrogen	mg/L	0.46	
CTRT9	W1784	34-0590	05/06/08	12:36	Total Phosphorus	mg/L	0.015	
CTRT9	W1784	34-0692	06/03/08	13:38	Total Phosphorus	mg/L	0.014	
CTRT9	W1784	34-0794	07/01/08	12:32	Total Phosphorus	mg/L	0.021	
CTRT9	W1784	34-0926	07/29/08	13:06	Total Phosphorus	mg/L	0.035	h
CTRT9	W1784	34-1037	09/09/08	11:59	Total Phosphorus	mg/L	0.024	
CTRT9	W1784	34-0590	05/06/08	12:36	True Color	PCU	<15	
CTRT9	W1784	34-0692	06/03/08	13:38	True Color	PCU	<15	
CTRT9	W1784	34-0794	07/01/08	12:32	True Color	PCU	18	
CTRT9	W1784	34-0926	07/29/08	13:06	True Color	PCU	30	
CTRT9	W1784	34-1037	09/09/08	11:59	True Color	PCU	30	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
CTRT9	W1784	34-0590	05/06/08	12:36	Turbidity	NTU	3.1	b
CTRT9	W1784	34-0692	06/03/08	13:38	Turbidity	NTU	1.7	b
CTRT9	W1784	34-0794	07/01/08	12:32	Turbidity	NTU	4.0	
CTRT9	W1784	34-0926	07/29/08	13:06	Turbidity	NTU	10.5	
CTRT9	W1784	34-1037	09/09/08	11:59	Turbidity	NTU	2.7	
DRY1	W1785	34-0570	05/06/08	10:02	Ammonia-N	mg/L	<0.02	
DRY1	W1785	34-0672	06/03/08	9:52	Ammonia-N	mg/L	0.03	
DRY1	W1785	34-0774	07/01/08	9:44	Ammonia-N	mg/L	0.04	
DRY1	W1785	34-0906	07/29/08	9:46	Ammonia-N	mg/L	<0.02	
DRY1	W1785	34-1017	09/09/08	9:55	Ammonia-N	mg/L	0.02	
DRY1	W1785	34-0570	05/06/08	10:02	*E. coli*	CFU/100mL	44	
DRY1	W1785	34-0672	06/03/08	9:52	*E. coli*	CFU/100mL	248	
DRY1	W1785	34-0774	07/01/08	9:44	*E. coli*	CFU/100mL	160	
DRY1	W1785	34-0906	07/29/08	9:46	*E. coli*	CFU/100mL	140	
DRY1	W1785	34-0963	09/03/08	9:57	*E. coli*	CFU/100mL	50	
DRY1	W1785	34-1017	09/09/08	9:55	*E. coli*	CFU/100mL	260	
DRY1	W1785	34-0570	05/06/08	10:02	Suspended Solids	mg/L	8.3	
DRY1	W1785	34-0672	06/03/08	9:52	Suspended Solids	mg/L	2.1	
DRY1	W1785	34-0774	07/01/08	9:44	Suspended Solids	mg/L	4.9	
DRY1	W1785	34-0906	07/29/08	9:46	Suspended Solids	mg/L	11	
DRY1	W1785	34-1017	09/09/08	9:55	Suspended Solids	mg/L	4.3	
DRY1	W1785	34-0570	05/06/08	10:02	Total Nitrogen	mg/L	0.40	
DRY1	W1785	34-0672	06/03/08	9:52	Total Nitrogen	mg/L	0.65	
DRY1	W1785	34-0774	07/01/08	9:44	Total Nitrogen	mg/L	0.61	
DRY1	W1785	34-0906	07/29/08	9:46	Total Nitrogen	mg/L	0.37	h
DRY1	W1785	34-1017	09/09/08	9:55	Total Nitrogen	mg/L	0.46	
DRY1	W1785	34-0570	05/06/08	10:02	Total Phosphorus	mg/L	0.019	
DRY1	W1785	34-0672	06/03/08	9:52	Total Phosphorus	mg/L	0.021	
DRY1	W1785	34-0774	07/01/08	9:44	Total Phosphorus	mg/L	0.049	
DRY1	W1785	34-0906	07/29/08	9:46	Total Phosphorus	mg/L	0.034	h
DRY1	W1785	34-1017	09/09/08	9:55	Total Phosphorus	mg/L	0.028	
DRY1	W1785	34-0570	05/06/08	10:02	True Color	PCU	18	
DRY1	W1785	34-0672	06/03/08	9:52	True Color	PCU	17	
DRY1	W1785	34-0774	07/01/08	9:44	True Color	PCU	63	
DRY1	W1785	34-0906	07/29/08	9:46	True Color	PCU	40	
DRY1	W1785	34-1017	09/09/08	9:55	True Color	PCU	47	
DRY1	W1785	34-0570	05/06/08	10:02	Turbidity	NTU	5.6	
DRY1	W1785	34-0672	06/03/08	9:52	Turbidity	NTU	2.1	
DRY1	W1785	34-0774	07/01/08	9:44	Turbidity	NTU	4.7	
DRY1	W1785	34-0906	07/29/08	9:46	Turbidity	NTU	5.8	b
DRY1	W1785	34-1017	09/09/08	9:55	Turbidity	NTU	4.6	
FALL1	W1782	34-0571	05/06/08	10:30	Ammonia-N	mg/L	<0.02	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
FALL1	W1782	34-0673	06/03/08	10:20	Ammonia-N	mg/L	<0.02	
FALL1	W1782	34-0775	07/01/08	10:10	Ammonia-N	mg/L	<0.02	
FALL1	W1782	34-0907	07/29/08	10:05	Ammonia-N	mg/L	<0.02	
FALL1	W1782	34-1018	09/09/08	10:19	Ammonia-N	mg/L	<0.02	
FALL1	W1782	34-0571	05/06/08	10:30	*E. coli*	CFU/100mL	6	
FALL1	W1782	34-0673	06/03/08	10:20	*E. coli*	CFU/100mL	8	
FALL1	W1782	34-0775	07/01/08	10:10	*E. coli*	CFU/100mL	230	
FALL1	W1782	34-0907	07/29/08	10:05	*E. coli*	CFU/100mL	150	
FALL1	W1782	34-0964	09/03/08	10:14	*E. coli*	CFU/100mL	20	
FALL1	W1782	34-1018	09/09/08	10:19	*E. coli*	CFU/100mL	740	
FALL1	W1782	34-0571	05/06/08	10:30	Suspended Solids	mg/L	1.8	
FALL1	W1782	34-0673	06/03/08	10:20	Suspended Solids	mg/L	<1.0	
FALL1	W1782	34-0775	07/01/08	10:10	Suspended Solids	mg/L	<1.0	
FALL1	W1782	34-0907	07/29/08	10:05	Suspended Solids	mg/L	4.7	
FALL1	W1782	34-1018	09/09/08	10:19	Suspended Solids	mg/L	2.0	
FALL1	W1782	34-0571	05/06/08	10:30	Total Nitrogen	mg/L	0.50	
FALL1	W1782	34-0673	06/03/08	10:20	Total Nitrogen	mg/L	0.78	
FALL1	W1782	34-0775	07/01/08	10:10	Total Nitrogen	mg/L	0.71	
FALL1	W1782	34-0907	07/29/08	10:05	Total Nitrogen	mg/L	0.41	h
FALL1	W1782	34-1018	09/09/08	10:19	Total Nitrogen	mg/L	0.59	
FALL1	W1782	34-0571	05/06/08	10:30	Total Phosphorus	mg/L	0.006	
FALL1	W1782	34-0673	06/03/08	10:20	Total Phosphorus	mg/L	<0.005	
FALL1	W1782	34-0775	07/01/08	10:10	Total Phosphorus	mg/L	0.007	
FALL1	W1782	34-0907	07/29/08	10:05	Total Phosphorus	mg/L	0.018	h
FALL1	W1782	34-1018	09/09/08	10:19	Total Phosphorus	mg/L	0.011	
FALL1	W1782	34-0571	05/06/08	10:30	True Color	PCU	<15	
FALL1	W1782	34-0673	06/03/08	10:20	True Color	PCU	<15	
FALL1	W1782	34-0775	07/01/08	10:10	True Color	PCU	<15	
FALL1	W1782	34-0907	07/29/08	10:05	True Color	PCU	<15	
FALL1	W1782	34-1018	09/09/08	10:19	True Color	PCU	<15	
FALL1	W1782	34-0571	05/06/08	10:30	Turbidity	NTU	1.1	
FALL1	W1782	34-0673	06/03/08	10:20	Turbidity	NTU	<0.5	
FALL1	W1782	34-0775	07/01/08	10:10	Turbidity	NTU	0.5	
FALL1	W1782	34-0907	07/29/08	10:05	Turbidity	NTU	2.3	b
FALL1	W1782	34-1018	09/09/08	10:19	Turbidity	NTU	1.0	
FORT1	W1804	34-0588	05/06/08	11:53	Ammonia-N	mg/L	<0.02	
FORT1	W1804	34-0690	06/03/08	12:15	Ammonia-N	mg/L	0.04	
FORT1	W1804	34-0792	07/01/08	11:53	Ammonia-N	mg/L	0.03	
FORT1	W1804	34-0924	07/29/08	11:59	Ammonia-N	mg/L	<0.02	
FORT1	W1804	34-1035	09/09/08	11:25	Ammonia-N	mg/L	0.03	
FORT1	W1804	34-0588	05/06/08	11:53	*E. coli*	CFU/100mL	24	
FORT1	W1804	34-0690	06/03/08	12:15	*E. coli*	CFU/100mL	60	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
FORT1	W1804	34-0792	07/01/08	11:53	*E. coli*	CFU/100mL	100	
FORT1	W1804	34-0924	07/29/08	11:59	*E. coli*	CFU/100mL	30	
FORT1	W1804	34-0981	09/03/08	11:18	*E. coli*	CFU/100mL	140	
FORT1	W1804	34-1035	09/09/08	11:25	*E. coli*	CFU/100mL	460	
FORT1	W1804	34-0588	05/06/08	11:53	Suspended Solids	mg/L	1.4	
FORT1	W1804	34-0690	06/03/08	12:15	Suspended Solids	mg/L	2.3	
FORT1	W1804	34-0792	07/01/08	11:53	Suspended Solids	mg/L	2.2	
FORT1	W1804	34-0924	07/29/08	11:59	Suspended Solids	mg/L	2.4	
FORT1	W1804	34-1035	09/09/08	11:25	Suspended Solids	mg/L	4.6	
FORT1	W1804	34-0588	05/06/08	11:53	Total Nitrogen	mg/L	0.25	
FORT1	W1804	34-0690	06/03/08	12:15	Total Nitrogen	mg/L	0.45	
FORT1	W1804	34-0792	07/01/08	11:53	Total Nitrogen	mg/L	0.40	
FORT1	W1804	34-0924	07/29/08	11:59	Total Nitrogen	mg/L	0.42	h
FORT1	W1804	34-1035	09/09/08	11:25	Total Nitrogen	mg/L	0.45	
FORT1	W1804	34-0588	05/06/08	11:53	Total Phosphorus	mg/L	0.011	
FORT1	W1804	34-0690	06/03/08	12:15	Total Phosphorus	mg/L	0.031	
FORT1	W1804	34-0792	07/01/08	11:53	Total Phosphorus	mg/L	0.024	
FORT1	W1804	34-0924	07/29/08	11:59	Total Phosphorus	mg/L	0.029	h
FORT1	W1804	34-1035	09/09/08	11:25	Total Phosphorus	mg/L	0.036	
FORT1	W1804	34-0588	05/06/08	11:53	True Color	PCU	17	
FORT1	W1804	34-0690	06/03/08	12:15	True Color	PCU	39	
FORT1	W1804	34-0792	07/01/08	11:53	True Color	PCU	47	
FORT1	W1804	34-0924	07/29/08	11:59	True Color	PCU	53	
FORT1	W1804	34-1035	09/09/08	11:25	True Color	PCU	60	
FORT1	W1804	34-0588	05/06/08	11:53	Turbidity	NTU	1.3	b
FORT1	W1804	34-0690	06/03/08	12:15	Turbidity	NTU	3.5	b
FORT1	W1804	34-0792	07/01/08	11:53	Turbidity	NTU	3.2	
FORT1	W1804	34-0924	07/29/08	11:59	Turbidity	NTU	3.3	
FORT1	W1804	34-1035	09/09/08	11:25	Turbidity	NTU	4.7	
FORT2	W1051	34-0589	05/06/08	12:23	Ammonia-N	mg/L	<0.02	
FORT2	W1051	34-0691	06/03/08	13:18	Ammonia-N	mg/L	0.04	
FORT2	W1051	34-0793	07/01/08	12:14	Ammonia-N	mg/L	0.04	
FORT2	W1051	34-0925	07/29/08	12:48	Ammonia-N	mg/L	0.03	
FORT2	W1051	34-1036	09/09/08	11:44	Ammonia-N	mg/L	0.03	
FORT2	W1051	34-0589	05/06/08	12:23	E. coli	CFU/100mL	52	
FORT2	W1051	34-0691	06/03/08	13:18	*E. coli*	CFU/100mL	208	
FORT2	W1051	34-0793	07/01/08	12:14	*E. coli*	CFU/100mL	240	
FORT2	W1051	34-0925	07/29/08	12:48	*E. coli*	CFU/100mL	210	
FORT2	W1051	34-0982	09/03/08	11:39	*E. coli*	CFU/100mL	240	
FORT2	W1051	34-1036	09/09/08	11:44	*E. coli*	CFU/100mL	1500	
FORT2	W1051	34-0589	05/06/08	12:23	Suspended Solids	mg/L	12	
FORT2	W1051	34-0691	06/03/08	13:18	Suspended Solids	mg/L	3.5	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
FORT2	W1051	34-0793	07/01/08	12:14	Suspended Solids	mg/L	10	
FORT2	W1051	34-0925	07/29/08	12:48	Suspended Solids	mg/L	18	
FORT2	W1051	34-1036	09/09/08	11:44	Suspended Solids	mg/L	25	
FORT2	W1051	34-0589	05/06/08	12:23	Total Nitrogen	mg/L	0.36	
FORT2	W1051	34-0691	06/03/08	13:18	Total Nitrogen	mg/L	0.54	
FORT2	W1051	34-0793	07/01/08	12:14	Total Nitrogen	mg/L	0.52	
FORT2	W1051	34-0925	07/29/08	12:48	Total Nitrogen	mg/L	0.52	h
FORT2	W1051	34-1036	09/09/08	11:44	Total Nitrogen	mg/L	0.54	
FORT2	W1051	34-0589	05/06/08	12:23	Total Phosphorus	mg/L	0.022	
FORT2	W1051	34-0691	06/03/08	13:18	Total Phosphorus	mg/L	0.033	
FORT2	W1051	34-0793	07/01/08	12:14	Total Phosphorus	mg/L	0.038	
FORT2	W1051	34-0925	07/29/08	12:48	Total Phosphorus	mg/L	0.053	h
FORT2	W1051	34-1036	09/09/08	11:44	Total Phosphorus	mg/L	0.070	
FORT2	W1051	34-0589	05/06/08	12:23	True Color	PCU	16	
FORT2	W1051	34-0691	06/03/08	13:18	True Color	PCU	32	
FORT2	W1051	34-0793	07/01/08	12:14	True Color	PCU	39	
FORT2	W1051	34-0925	07/29/08	12:48	True Color	PCU	47	
FORT2	W1051	34-1036	09/09/08	11:44	True Color	PCU	45	
FORT2	W1051	34-0589	05/06/08	12:23	Turbidity	NTU	3.9	b
FORT2	W1051	34-0691	06/03/08	13:18	Turbidity	NTU	3.9	b
FORT2	W1051	34-0793	07/01/08	12:14	Turbidity	NTU	6.0	
FORT2	W1051	34-0925	07/29/08	12:48	Turbidity	NTU	12.5	
FORT2	W1051	34-1036	09/09/08	11:44	Turbidity	NTU	13.5	
FOUR1	W1803	34-0568	05/06/08	9:00	Ammonia-N	mg/L	<0.02	
FOUR1	W1803	34-0670	06/03/08	8:56	Ammonia-N	mg/L	<0.02	
FOUR1	W1803	34-0772	07/01/08	9:00	Ammonia-N	mg/L	<0.02	
FOUR1	W1803	34-0904	07/29/08	8:59	Ammonia-N	mg/L	<0.02	
FOUR1	W1803	34-1015	09/09/08	9:07	Ammonia-N	mg/L	<0.02	
FOUR1	W1803	34-0568	05/06/08	9:00	*E. coli*	CFU/100mL	2	h
FOUR1	W1803	34-0670	06/03/08	8:56	*E. coli*	CFU/100mL	8	h
FOUR1	W1803	34-0772	07/01/08	9:00	*E. coli*	CFU/100mL	40	
FOUR1	W1803	34-0904	07/29/08	8:59	*E. coli*	CFU/100mL	90	
FOUR1	W1803	34-0961	09/03/08	9:11	*E. coli*	CFU/100mL	10	
FOUR1	W1803	34-1015	09/09/08	9:07	*E. coli*	CFU/100mL	40	
FOUR1	W1803	34-0568	05/06/08	9:00	Suspended Solids	mg/L	<1.0	
FOUR1	W1803	34-0670	06/03/08	8:56	Suspended Solids	mg/L	<1.0	
FOUR1	W1803	34-0772	07/01/08	9:00	Suspended Solids	mg/L	<1.0	
FOUR1	W1803	34-0904	07/29/08	8:59	Suspended Solids	mg/L	<1.0	
FOUR1	W1803	34-1015	09/09/08	9:07	Suspended Solids	mg/L	<1.0	
FOUR1	W1803	34-0568	05/06/08	9:00	Total Nitrogen	mg/L	0.10	
FOUR1	W1803	34-0670	06/03/08	8:56	Total Nitrogen	mg/L	0.12	
FOUR1	W1803	34-0772	07/01/08	9:00	Total Nitrogen	mg/L	0.14	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
FOUR1	W1803	34-0904	07/29/08	8:59	Total Nitrogen	mg/L	0.17	h
FOUR1	W1803	34-1015	09/09/08	9:07	Total Nitrogen	mg/L	0.13	
FOUR1	W1803	34-0568	05/06/08	9:00	Total Phosphorus	mg/L	<0.005	
FOUR1	W1803	34-0670	06/03/08	8:56	Total Phosphorus	mg/L	<0.005	
FOUR1	W1803	34-0772	07/01/08	9:00	Total Phosphorus	mg/L	<0.005	
FOUR1	W1803	34-0904	07/29/08	8:59	Total Phosphorus	mg/L	0.005	h
FOUR1	W1803	34-1015	09/09/08	9:07	Total Phosphorus	mg/L	0.005	
FOUR1	W1803	34-0568	05/06/08	9:00	True Color	PCU	<15	
FOUR1	W1803	34-0670	06/03/08	8:56	True Color	PCU	<15	
FOUR1	W1803	34-0772	07/01/08	9:00	True Color	PCU	<15	
FOUR1	W1803	34-0904	07/29/08	8:59	True Color	PCU	<15	
FOUR1	W1803	34-1015	09/09/08	9:07	True Color	PCU	<15	
FOUR1	W1803	34-0568	05/06/08	9:00	Turbidity	NTU	<0.5	
FOUR1	W1803	34-0670	06/03/08	8:56	Turbidity	NTU	<0.5	
FOUR1	W1803	34-0772	07/01/08	9:00	Turbidity	NTU	<0.5	
FOUR1	W1803	34-0904	07/29/08	8:59	Turbidity	NTU	0.6	b
FOUR1	W1803	34-1015	09/09/08	9:07	Turbidity	NTU	1.5	
HOP1	W1800	34-0587	05/06/08	11:30	Ammonia-N	mg/L	<0.02	
HOP1	W1800	34-0689	06/03/08	11:52	Ammonia-N	mg/L	0.03	
HOP1	W1800	34-0791	07/01/08	11:31	Ammonia-N	mg/L	0.05	
HOP1	W1800	34-0923	07/29/08	11:32	Ammonia-N	mg/L	<0.02	
HOP1	W1800	34-1034	09/09/08	11:09	Ammonia-N	mg/L	0.02	
HOP1	W1800	34-0587	05/06/08	11:30	*E. coli*	CFU/100mL	14	
HOP1	W1800	34-0689	06/03/08	11:52	*E. coli*	CFU/100mL	88	
HOP1	W1800	34-0791	07/01/08	11:31	*E. coli*	CFU/100mL	30	
HOP1	W1800	34-0923	07/29/08	11:32	*E. coli*	CFU/100mL	80	
HOP1	W1800	34-0980	09/03/08	11:03	*E. coli*	CFU/100mL	360	
HOP1	W1800	34-1034	09/09/08	11:09	*E. coli*	CFU/100mL	140	
HOP1	W1800	34-0587	05/06/08	11:30	Suspended Solids	mg/L	2.2	
HOP1	W1800	34-0689	06/03/08	11:52	Suspended Solids	mg/L	3.3	
HOP1	W1800	34-0791	07/01/08	11:31	Suspended Solids	mg/L	2.4	
HOP1	W1800	34-0923	07/29/08	11:32	Suspended Solids	mg/L	3.0	
HOP1	W1800	34-1034	09/09/08	11:09	Suspended Solids	mg/L	3.5	
HOP1	W1800	34-0587	05/06/08	11:30	Total Nitrogen	mg/L	0.30	
HOP1	W1800	34-0689	06/03/08	11:52	Total Nitrogen	mg/L	0.56	
HOP1	W1800	34-0791	07/01/08	11:31	Total Nitrogen	mg/L	0.57	
HOP1	W1800	34-0923	07/29/08	11:32	Total Nitrogen	mg/L	0.59	h
HOP1	W1800	34-1034	09/09/08	11:09	Total Nitrogen	mg/L	0.56	
HOP1	W1800	34-0587	05/06/08	11:30	Total Phosphorus	mg/L	0.014	
HOP1	W1800	34-0689	06/03/08	11:52	Total Phosphorus	mg/L	0.037	
HOP1	W1800	34-0791	07/01/08	11:31	Total Phosphorus	mg/L	0.040	
HOP1	W1800	34-0923	07/29/08	11:32	Total Phosphorus	mg/L	0.036	h

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
HOP1	W1800	34-1034	09/09/08	11:09	Total Phosphorus	mg/L	0.037	
HOP1	W1800	34-0587	05/06/08	11:30	True Color	PCU	26	
HOP1	W1800	34-0689	06/03/08	11:52	True Color	PCU	57	
HOP1	W1800	34-0791	07/01/08	11:31	True Color	PCU	69	
HOP1	W1800	34-0923	07/29/08	11:32	True Color	PCU	90	
HOP1	W1800	34-1034	09/09/08	11:09	True Color	PCU	93	
HOP1	W1800	34-0587	05/06/08	11:30	Turbidity	NTU	2.1	b
HOP1	W1800	34-0689	06/03/08	11:52	Turbidity	NTU	4.7	b
HOP1	W1800	34-0791	07/01/08	11:31	Turbidity	NTU	8.5	
HOP1	W1800	34-0923	07/29/08	11:32	Turbidity	NTU	4.1	
HOP1	W1800	34-1034	09/09/08	11:09	Turbidity	NTU	3.8	
LAMP1	W1055	34-0595	05/06/08	9:45	Ammonia-N	mg/L	0.02	
LAMP1	W1055	34-0697	06/03/08	9:45	Ammonia-N	mg/L	0.06	
LAMP1	W1055	34-0799	07/01/08	9:31	Ammonia-N	mg/L	0.03	
LAMP1	W1055	34-0931	07/29/08	9:55	Ammonia-N	mg/L	0.03	
LAMP1	W1055	34-1042	09/09/08	9:40	Ammonia-N	mg/L	0.03	
LAMP1	W1055	34-0595	05/06/08	9:45	*E. coli*	CFU/100mL	68	
LAMP1	W1055	34-0697	06/03/08	9:45	*E. coli*	CFU/100mL	224	
LAMP1	W1055	34-0799	07/01/08	9:31	*E. coli*	CFU/100mL	140	
LAMP1	W1055	34-0931	07/29/08	9:55	*E. coli*	CFU/100mL	190	
LAMP1	W1055	34-0988	09/03/08	9:30	*E. coli*	CFU/100mL	30	
LAMP1	W1055	34-1042	09/09/08	9:40	*E. coli*	CFU/100mL	160	
LAMP1	W1055	34-0595	05/06/08	9:45	Suspended Solids	mg/L	4.8	
LAMP1	W1055	34-0697	06/03/08	9:45	Suspended Solids	mg/L	3.4	
LAMP1	W1055	34-0799	07/01/08	9:31	Suspended Solids	mg/L	3.5	
LAMP1	W1055	34-0931	07/29/08	9:55	Suspended Solids	mg/L	3.2	
LAMP1	W1055	34-1042	09/09/08	9:40	Suspended Solids	mg/L	6.7	
LAMP1	W1055	34-0595	05/06/08	9:45	Total Nitrogen	mg/L	3.2	
LAMP1	W1055	34-0697	06/03/08	9:45	Total Nitrogen	mg/L	5.5	
LAMP1	W1055	34-0799	07/01/08	9:31	Total Nitrogen	mg/L	4.0	
LAMP1	W1055	34-0931	07/29/08	9:55	Total Nitrogen	mg/L	1.3	h
LAMP1	W1055	34-1042	09/09/08	9:40	Total Nitrogen	mg/L	1.6	
LAMP1	W1055	34-0595	05/06/08	9:45	Total Phosphorus	mg/L	0.063	
LAMP1	W1055	34-0697	06/03/08	9:45	Total Phosphorus	mg/L	0.16	
LAMP1	W1055	34-0799	07/01/08	9:31	Total Phosphorus	mg/L	0.072	
LAMP1	W1055	34-0931	07/29/08	9:55	Total Phosphorus	mg/L	0.056	h
LAMP1	W1055	34-1042	09/09/08	9:40	Total Phosphorus	mg/L	0.072	
LAMP1	W1055	34-0595	05/06/08	9:45	True Color	PCU	<15	
LAMP1	W1055	34-0697	06/03/08	9:45	True Color	PCU	21	
LAMP1	W1055	34-0799	07/01/08	9:31	True Color	PCU	21	
LAMP1	W1055	34-0931	07/29/08	9:55	True Color	PCU	25	
LAMP1	W1055	34-1042	09/09/08	9:40	True Color	PCU	20	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
LAMP1	W1055	34-0595	05/06/08	9:45	Turbidity	NTU	1.3	
LAMP1	W1055	34-0697	06/03/08	9:45	Turbidity	NTU	4.1	
LAMP1	W1055	34-0799	07/01/08	9:31	Turbidity	NTU	2.0	
LAMP1	W1055	34-0931	07/29/08	9:55	Turbidity	NTU	3.1	
LAMP1	W1055	34-1042	09/09/08	9:40	Turbidity	NTU	1.7	
LM1	W1794	34-0605	05/06/08	13:37	Ammonia-N	mg/L	0.03	
LM1	W1794	34-0707	06/03/08	12:59	Ammonia-N	mg/L	0.05	
LM1	W1794	34-0809	07/01/08	13:07	Ammonia-N	mg/L	0.17	
LM1	W1794	34-0941	07/29/08	13:37	Ammonia-N	mg/L	0.09	
LM1	W1794	34-1052	09/09/08	13:00	Ammonia-N	mg/L	0.14	
LM1	W1794	34-0605	05/06/08	13:37	*E. coli*	CFU/100mL	48	
LM1	W1794	34-0707	06/03/08	12:59	*E. coli*	CFU/100mL	216	
LM1	W1794	34-0809	07/01/08	13:07	*E. coli*	CFU/100mL	780	
LM1	W1794	34-0941	07/29/08	13:37	*E. coli*	CFU/100mL	380	
LM1	W1794	34-0998	09/03/08	12:15	*E. coli*	CFU/100mL	220	
LM1	W1794	34-1052	09/09/08	13:00	*E. coli*	CFU/100mL	>4000	
LM1	W1794	34-0605	05/06/08	13:37	Suspended Solids	mg/L	9.9	
LM1	W1794	34-0707	06/03/08	12:59	Suspended Solids	mg/L	8.0	
LM1	W1794	34-0809	07/01/08	13:07	Suspended Solids	mg/L	28	
LM1	W1794	34-0941	07/29/08	13:37	Suspended Solids	mg/L	38	
LM1	W1794	34-1052	09/09/08	13:00	Suspended Solids	mg/L	340	
LM1	W1794	34-0605	05/06/08	13:37	Total Nitrogen	mg/L	1.3	
LM1	W1794	34-0707	06/03/08	12:59	Total Nitrogen	mg/L	1.1	
LM1	W1794	34-0809	07/01/08	13:07	Total Nitrogen	mg/L	1.2	
LM1	W1794	34-0941	07/29/08	13:37	Total Nitrogen	mg/L	1.3	h
LM1	W1794	34-1052	09/09/08	13:00	Total Nitrogen	mg/L	1.6	
LM1	W1794	34-0605	05/06/08	13:37	Total Phosphorus	mg/L	0.029	
LM1	W1794	34-0707	06/03/08	12:59	Total Phosphorus	mg/L	0.048	
LM1	W1794	34-0809	07/01/08	13:07	Total Phosphorus	mg/L	0.10	
LM1	W1794	34-0941	07/29/08	13:37	Total Phosphorus	mg/L	0.078	h
LM1	W1794	34-1052	09/09/08	13:00	Total Phosphorus	mg/L	0.44	
LM1	W1794	34-0605	05/06/08	13:37	True Color	PCU	<15	
LM1	W1794	34-0707	06/03/08	12:59	True Color	PCU	<15	
LM1	W1794	34-0809	07/01/08	13:07	True Color	PCU	42	
LM1	W1794	34-0941	07/29/08	13:37	True Color	PCU	32	
LM1	W1794	34-1052	09/09/08	13:00	True Color	PCU	24	
LM1	W1794	34-0605	05/06/08	13:37	Turbidity	NTU	6.6	
LM1	W1794	34-0707	06/03/08	12:59	Turbidity	NTU	7.4	
LM1	W1794	34-0809	07/01/08	13:07	Turbidity	NTU	32.0	
LM1	W1794	34-0941	07/29/08	13:37	Turbidity	NTU	39.0	
LM1	W1794	34-1052	09/09/08	13:00	Turbidity	NTU	245	
LPLAIN1	W1801	34-0581	05/06/08	9:48	Ammonia-N	mg/L	<0.02	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
LPLAIN1	W1801	34-0683	06/03/08	10:00	Ammonia-N	mg/L	<0.02	
LPLAIN1	W1801	34-0581	05/06/08	9:48	*E. coli*	CFU/100mL	4	
LPLAIN1	W1801	34-0683	06/03/08	10:00	*E. coli*	CFU/100mL	20	
LPLAIN1	W1801	34-0581	05/06/08	9:48	Suspended Solids	mg/L	<1.0	
LPLAIN1	W1801	34-0683	06/03/08	10:00	Suspended Solids	mg/L	1.9	
LPLAIN1	W1801	34-0581	05/06/08	9:48	Total Nitrogen	mg/L	0.35	
LPLAIN1	W1801	34-0683	06/03/08	10:00	Total Nitrogen	mg/L	0.26	
LPLAIN1	W1801	34-0581	05/06/08	9:48	Total Phosphorus	mg/L	0.005	
LPLAIN1	W1801	34-0683	06/03/08	10:00	Total Phosphorus	mg/L	<0.005	
LPLAIN1	W1801	34-0581	05/06/08	9:48	True Color	PCU	<15	
LPLAIN1	W1801	34-0683	06/03/08	10:00	True Color	PCU	<15	
LPLAIN1	W1801	34-0581	05/06/08	9:48	Turbidity	NTU	<0.5	b
LPLAIN1	W1801	34-0683	06/03/08	10:00	Turbidity	NTU	1.7	b
MAN1	W1793	34-0593	05/06/08	13:53	Ammonia-N	mg/L	<0.02	
MAN1	W1793	34-0695	06/03/08	14:54	Ammonia-N	mg/L	<0.02	
MAN1	W1793	34-0797	07/01/08	13:55	Ammonia-N	mg/L	0.02	
MAN1	W1793	34-0929	07/29/08	14:26	Ammonia-N	mg/L	<0.02	
MAN1	W1793	34-1040	09/09/08	13:03	Ammonia-N	mg/L	0.03	
MAN1	W1793	34-0593	05/06/08	13:53	*E. coli*	CFU/100mL	24	
MAN1	W1793	34-0695	06/03/08	14:54	*E. coli*	CFU/100mL	32	
MAN1	W1793	34-0797	07/01/08	13:55	*E. coli*	CFU/100mL	20	
MAN1	W1793	34-0929	07/29/08	14:26	*E. coli*	CFU/100mL	130	
MAN1	W1793	34-0986	09/03/08	13:04	*E. coli*	CFU/100mL	50	
MAN1	W1793	34-1040	09/09/08	13:03	*E. coli*	CFU/100mL	1200	
MAN1	W1793	34-0593	05/06/08	13:53	Suspended Solids	mg/L	3.9	
MAN1	W1793	34-0695	06/03/08	14:54	Suspended Solids	mg/L	4.6	
MAN1	W1793	34-0797	07/01/08	13:55	Suspended Solids	mg/L	1.9	
MAN1	W1793	34-0929	07/29/08	14:26	Suspended Solids	mg/L	6.4	
MAN1	W1793	34-1040	09/09/08	13:03	Suspended Solids	mg/L	33	
MAN1	W1793	34-0593	05/06/08	13:53	Total Nitrogen	mg/L	0.46	
MAN1	W1793	34-0695	06/03/08	14:54	Total Nitrogen	mg/L	0.71	
MAN1	W1793	34-0797	07/01/08	13:55	Total Nitrogen	mg/L	0.78	
MAN1	W1793	34-0929	07/29/08	14:26	Total Nitrogen	mg/L	0.50	h
MAN1	W1793	34-1040	09/09/08	13:03	Total Nitrogen	mg/L	0.63	
MAN1	W1793	34-0593	05/06/08	13:53	Total Phosphorus	mg/L	0.014	
MAN1	W1793	34-0695	06/03/08	14:54	Total Phosphorus	mg/L	0.021	
MAN1	W1793	34-0797	07/01/08	13:55	Total Phosphorus	mg/L	0.023	
MAN1	W1793	34-0929	07/29/08	14:26	Total Phosphorus	mg/L	0.033	h
MAN1	W1793	34-1040	09/09/08	13:03	Total Phosphorus	mg/L	0.070	
MAN1	W1793	34-0593	05/06/08	13:53	True Color	PCU	<15	
MAN1	W1793	34-0695	06/03/08	14:54	True Color	PCU	<15	
MAN1	W1793	34-0797	07/01/08	13:55	True Color	PCU	<15	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
MAN1	W1793	34-0929	07/29/08	14:26	True Color	PCU	17	
MAN1	W1793	34-1040	09/09/08	13:03	True Color	PCU	20	
MAN1	W1793	34-0593	05/06/08	13:53	Turbidity	NTU	1.6	b
MAN1	W1793	34-0695	06/03/08	14:54	Turbidity	NTU	3.2	b
MAN1	W1793	34-0797	07/01/08	13:55	Turbidity	NTU	1.7	
MAN1	W1793	34-0929	07/29/08	14:26	Turbidity	NTU	3.9	
MAN1	W1793	34-1040	09/09/08	13:03	Turbidity	NTU	14.5	
MAN2	W1065	34-0591	05/06/08	12:59	Ammonia-N	mg/L	0.12	
MAN2	W1065	34-0693	06/03/08	14:02	Ammonia-N	mg/L	0.06	
MAN2	W1065	34-0795	07/01/08	13:00	Ammonia-N	mg/L	0.07	
MAN2	W1065	34-0927	07/29/08	13:38	Ammonia-N	mg/L	0.04	
MAN2	W1065	34-1038	09/09/08	12:20	Ammonia-N	mg/L	0.06	
MAN2	W1065	34-0591	05/06/08	12:59	*E. coli*	CFU/100mL	26	
MAN2	W1065	34-0693	06/03/08	14:02	*E. coli*	CFU/100mL	100	
MAN2	W1065	34-0795	07/01/08	13:00	*E. coli*	CFU/100mL	300	
MAN2	W1065	34-0927	07/29/08	13:38	*E. coli*	CFU/100mL	200	
MAN2	W1065	34-0984	09/03/08	12:30	*E. coli*	CFU/100mL	160	
MAN2	W1065	34-1038	09/09/08	12:20	*E. coli*	CFU/100mL	940	
MAN2	W1065	34-0591	05/06/08	12:59	Suspended Solids	mg/L	8.1	
MAN2	W1065	34-0693	06/03/08	14:02	Suspended Solids	mg/L	2.8	
MAN2	W1065	34-0795	07/01/08	13:00	Suspended Solids	mg/L	4.1	
MAN2	W1065	34-0927	07/29/08	13:38	Suspended Solids	mg/L	16	
MAN2	W1065	34-1038	09/09/08	12:20	Suspended Solids	mg/L	27	
MAN2	W1065	34-0591	05/06/08	12:59	Total Nitrogen	mg/L	0.66	
MAN2	W1065	34-0693	06/03/08	14:02	Total Nitrogen	mg/L	0.78	
MAN2	W1065	34-0795	07/01/08	13:00	Total Nitrogen	mg/L	0.78	
MAN2	W1065	34-0927	07/29/08	13:38	Total Nitrogen	mg/L	0.60	h
MAN2	W1065	34-1038	09/09/08	12:20	Total Nitrogen	mg/L	0.72	
MAN2	W1065	34-0591	05/06/08	12:59	Total Phosphorus	mg/L	0.031	
MAN2	W1065	34-0693	06/03/08	14:02	Total Phosphorus	mg/L	0.024	
MAN2	W1065	34-0795	07/01/08	13:00	Total Phosphorus	mg/L	0.027	
MAN2	W1065	34-0927	07/29/08	13:38	Total Phosphorus	mg/L	0.049	h
MAN2	W1065	34-1038	09/09/08	12:20	Total Phosphorus	mg/L	0.078	
MAN2	W1065	34-0591	05/06/08	12:59	True Color	PCU	<15	
MAN2	W1065	34-0693	06/03/08	14:02	True Color	PCU	<15	
MAN2	W1065	34-0795	07/01/08	13:00	True Color	PCU	16	
MAN2	W1065	34-0927	07/29/08	13:38	True Color	PCU	18	
MAN2	W1065	34-1038	09/09/08	12:20	True Color	PCU	23	
MAN2	W1065	34-0591	05/06/08	12:59	Turbidity	NTU	4.6	b
MAN2	W1065	34-0693	06/03/08	14:02	Turbidity	NTU	2.7	b
MAN2	W1065	34-0795	07/01/08	13:00	Turbidity	NTU	3.2	
MAN2	W1065	34-0927	07/29/08	13:38	Turbidity	NTU	9.5	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
MAN2	W1065	34-1038	09/09/08	12:20	Turbidity	NTU	14.0	
MOOSE1	W1787	34-0594	05/06/08	14:25	Ammonia-N	mg/L	0.02	
MOOSE1	W1787	34-0696	06/03/08	15:27	Ammonia-N	mg/L	0.05	
MOOSE1	W1787	34-0798	07/01/08	14:25	Ammonia-N	mg/L	0.05	
MOOSE1	W1787	34-0930	07/29/08	14:50	Ammonia-N	mg/L	0.05	
MOOSE1	W1787	34-1041	09/09/08	13:26	Ammonia-N	mg/L	0.06	
MOOSE1	W1787	34-0594	05/06/08	14:25	*E. coli*	CFU/100mL	12	
MOOSE1	W1787	34-0696	06/03/08	15:27	*E. coli*	CFU/100mL	12	
MOOSE1	W1787	34-0798	07/01/08	14:25	*E. coli*	CFU/100mL	30	
MOOSE1	W1787	34-0930	07/29/08	14:50	*E. coli*	CFU/100mL	20	
MOOSE1	W1787	34-0987	09/03/08	13:19	*E. coli*	CFU/100mL	50	
MOOSE1	W1787	34-1041	09/09/08	13:26	*E. coli*	CFU/100mL	>4000	
MOOSE1	W1787	34-0594	05/06/08	14:25	Suspended Solids	mg/L	6.2	
MOOSE1	W1787	34-0696	06/03/08	15:27	Suspended Solids	mg/L	2.3	
MOOSE1	W1787	34-0798	07/01/08	14:25	Suspended Solids	mg/L	4.1	
MOOSE1	W1787	34-0930	07/29/08	14:50	Suspended Solids	mg/L	3.5	
MOOSE1	W1787	34-1041	09/09/08	13:26	Suspended Solids	mg/L	120	
MOOSE1	W1787	34-0594	05/06/08	14:25	Total Nitrogen	mg/L	1.4	
MOOSE1	W1787	34-0696	06/03/08	15:27	Total Nitrogen	mg/L	1.7	
MOOSE1	W1787	34-0798	07/01/08	14:25	Total Nitrogen	mg/L	1.5	
MOOSE1	W1787	34-0930	07/29/08	14:50	Total Nitrogen	mg/L	1.5	h
MOOSE1	W1787	34-1041	09/09/08	13:26	Total Nitrogen	mg/L	1.7	
MOOSE1	W1787	34-0594	05/06/08	14:25	Total Phosphorus	mg/L	0.016	
MOOSE1	W1787	34-0696	06/03/08	15:27	Total Phosphorus	mg/L	0.022	
MOOSE1	W1787	34-0798	07/01/08	14:25	Total Phosphorus	mg/L	0.024	
MOOSE1	W1787	34-0930	07/29/08	14:50	Total Phosphorus	mg/L	0.030	h
MOOSE1	W1787	34-1041	09/09/08	13:26	Total Phosphorus	mg/L	0.33	
MOOSE1	W1787	34-0594	05/06/08	14:25	True Color	PCU	<15	
MOOSE1	W1787	34-0696	06/03/08	15:27	True Color	PCU	<15	
MOOSE1	W1787	34-0798	07/01/08	14:25	True Color	PCU	<15	
MOOSE1	W1787	34-0930	07/29/08	14:50	True Color	PCU	<15	
MOOSE1	W1787	34-1041	09/09/08	13:26	True Color	PCU	37	
MOOSE1	W1787	34-0594	05/06/08	14:25	Turbidity	NTU	1.2	b
MOOSE1	W1787	34-0696	06/03/08	15:27	Turbidity	NTU	1.6	b
MOOSE1	W1787	34-0798	07/01/08	14:25	Turbidity	NTU	1.9	
MOOSE1	W1787	34-0930	07/29/08	14:50	Turbidity	NTU	2.4	
MOOSE1	W1787	34-1041	09/09/08	13:26	Turbidity	NTU	73.0	
MRHAD1	W1050	34-0585	05/06/08	10:37	Ammonia-N	mg/L	0.02	
MRHAD1	W1050	34-0687	06/03/08	10:58	Ammonia-N	mg/L	0.04	
MRHAD1	W1050	34-0789	07/01/08	10:29	Ammonia-N	mg/L	0.05	
MRHAD1	W1050	34-0921	07/29/08	10:41	Ammonia-N	mg/L	0.03	
MRHAD1	W1050	34-1032	09/09/08	10:22	Ammonia-N	mg/L	0.04	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
MRHAD1	W1050	34-0585	05/06/08	10:37	*E. coli*	CFU/100mL	26	
MRHAD1	W1050	34-0687	06/03/08	10:58	*E. coli*	CFU/100mL	232	
MRHAD1	W1050	34-0789	07/01/08	10:29	*E. coli*	CFU/100mL	200	
MRHAD1	W1050	34-0921	07/29/08	10:41	*E. coli*	CFU/100mL	140	
MRHAD1	W1050	34-0978	09/03/08	10:20	*E. coli*	CFU/100mL	340	
MRHAD1	W1050	34-1032	09/09/08	10:22	*E. coli*	CFU/100mL	440	
MRHAD1	W1050	34-0585	05/06/08	10:37	Suspended Solids	mg/L	2.0	
MRHAD1	W1050	34-0687	06/03/08	10:58	Suspended Solids	mg/L	3.1	
MRHAD1	W1050	34-0789	07/01/08	10:29	Suspended Solids	mg/L	3.3	
MRHAD1	W1050	34-0921	07/29/08	10:41	Suspended Solids	mg/L	5.5	
MRHAD1	W1050	34-1032	09/09/08	10:22	Suspended Solids	mg/L	3.6	
MRHAD1	W1050	34-0585	05/06/08	10:37	Total Nitrogen	mg/L	0.69	
MRHAD1	W1050	34-0687	06/03/08	10:58	Total Nitrogen	mg/L	1.1	
MRHAD1	W1050	34-0789	07/01/08	10:29	Total Nitrogen	mg/L	1.0	
MRHAD1	W1050	34-0921	07/29/08	10:41	Total Nitrogen	mg/L	0.79	h
MRHAD1	W1050	34-1032	09/09/08	10:22	Total Nitrogen	mg/L	0.89	
MRHAD1	W1050	34-0585	05/06/08	10:37	Total Phosphorus	mg/L	0.014	
MRHAD1	W1050	34-0687	06/03/08	10:58	Total Phosphorus	mg/L	0.022	
MRHAD1	W1050	34-0789	07/01/08	10:29	Total Phosphorus	mg/L	0.028	
MRHAD1	W1050	34-0921	07/29/08	10:41	Total Phosphorus	mg/L	0.077	h
MRHAD1	W1050	34-1032	09/09/08	10:22	Total Phosphorus	mg/L	0.037	
MRHAD1	W1050	34-0585	05/06/08	10:37	True Color	PCU	<15	
MRHAD1	W1050	34-0687	06/03/08	10:58	True Color	PCU	<15	
MRHAD1	W1050	34-0789	07/01/08	10:29	True Color	PCU	23	
MRHAD1	W1050	34-0921	07/29/08	10:41	True Color	PCU	39	
MRHAD1	W1050	34-1032	09/09/08	10:22	True Color	PCU	41	
MRHAD1	W1050	34-0585	05/06/08	10:37	Turbidity	NTU	2.2	b
MRHAD1	W1050	34-0687	06/03/08	10:58	Turbidity	NTU	2.8	b
MRHAD1	W1050	34-0789	07/01/08	10:29	Turbidity	NTU	4.4	
MRHAD1	W1050	34-0921	07/29/08	10:41	Turbidity	NTU	4.3	
MRHAD1	W1050	34-1032	09/09/08	10:22	Turbidity	NTU	3.7	
MRHAT1	W1795	34-0575	05/06/08	12:30	Ammonia-N	mg/L	0.03	
MRHAT1	W1795	34-0677	06/03/08	12:15	Ammonia-N	mg/L	0.03	
MRHAT1	W1795	34-0779	07/01/08	12:06	Ammonia-N	mg/L	0.03	
MRHAT1	W1795	34-0911	07/29/08	12:01	Ammonia-N	mg/L	0.03	
MRHAT1	W1795	34-1022	09/09/08	12:08	Ammonia-N	mg/L	0.04	
MRHAT1	W1795	34-0575	05/06/08	12:30	*E. coli*	CFU/100mL	4	
MRHAT1	W1795	34-0677	06/03/08	12:15	*E. coli*	CFU/100mL	144	
MRHAT1	W1795	34-0779	07/01/08	12:06	*E. coli*	CFU/100mL	210	
MRHAT1	W1795	34-0911	07/29/08	12:01	*E. coli*	CFU/100mL	100	
MRHAT1	W1795	34-0968	09/03/08	11:41	*E. coli*	CFU/100mL	100	
MRHAT1	W1795	34-1022	09/09/08	12:08	*E. coli*	CFU/100mL	740	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

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Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
MRHAT1	W1795	34-0575	05/06/08	12:30	Suspended Solids	mg/L	4.0	
MRHAT1	W1795	34-0677	06/03/08	12:15	Suspended Solids	mg/L	4.7	
MRHAT1	W1795	34-0779	07/01/08	12:06	Suspended Solids	mg/L	9.9	
MRHAT1	W1795	34-0911	07/29/08	12:01	Suspended Solids	mg/L	6.4	
MRHAT1	W1795	34-1022	09/09/08	12:08	Suspended Solids	mg/L	12	
MRHAT1	W1795	34-0575	05/06/08	12:30	Total Nitrogen	mg/L	0.38	
MRHAT1	W1795	34-0677	06/03/08	12:15	Total Nitrogen	mg/L	0.40	
MRHAT1	W1795	34-0779	07/01/08	12:06	Total Nitrogen	mg/L	0.32	
MRHAT1	W1795	34-0911	07/29/08	12:01	Total Nitrogen	mg/L	0.38	h
MRHAT1	W1795	34-1022	09/09/08	12:08	Total Nitrogen	mg/L	0.43	
MRHAT1	W1795	34-0575	05/06/08	12:30	Total Phosphorus	mg/L	0.016	
MRHAT1	W1795	34-0677	06/03/08	12:15	Total Phosphorus	mg/L	0.033	
MRHAT1	W1795	34-0779	07/01/08	12:06	Total Phosphorus	mg/L	0.022	
MRHAT1	W1795	34-0911	07/29/08	12:01	Total Phosphorus	mg/L	0.028	h
MRHAT1	W1795	34-1022	09/09/08	12:08	Total Phosphorus	mg/L	0.049	
MRHAT1	W1795	34-0575	05/06/08	12:30	True Color	PCU	<15	
MRHAT1	W1795	34-0677	06/03/08	12:15	True Color	PCU	15	
MRHAT1	W1795	34-0779	07/01/08	12:06	True Color	PCU	<15	
MRHAT1	W1795	34-0911	07/29/08	12:01	True Color	PCU	16	
MRHAT1	W1795	34-1022	09/09/08	12:08	True Color	PCU	24	
MRHAT1	W1795	34-0575	05/06/08	12:30	Turbidity	NTU	2.3	
MRHAT1	W1795	34-0677	06/03/08	12:15	Turbidity	NTU	3.9	
MRHAT1	W1795	34-0779	07/01/08	12:06	Turbidity	NTU	3.2	
MRHAT1	W1795	34-0911	07/29/08	12:01	Turbidity	NTU	3.6	b
MRHAT1	W1795	34-1022	09/09/08	12:08	Turbidity	NTU	7.9	
MRHAT3	W1061	34-0577	05/06/08	13:17	Ammonia-N	mg/L	0.03	
MRHAT3	W1061	34-0679	06/03/08	13:00	Ammonia-N	mg/L	0.06	
MRHAT3	W1061	34-0781	07/01/08	12:58	Ammonia-N	mg/L	0.06	
MRHAT3	W1061	34-0913	07/29/08	12:49	Ammonia-N	mg/L	0.03	
MRHAT3	W1061	34-1024	09/09/08	12:56	Ammonia-N	mg/L	0.05	
MRHAT3	W1061	34-0577	05/06/08	13:17	*E. coli*	CFU/100mL	16	
MRHAT3	W1061	34-0679	06/03/08	13:00	*E. coli*	CFU/100mL	80	
MRHAT3	W1061	34-0781	07/01/08	12:58	*E. coli*	CFU/100mL	70	
MRHAT3	W1061	34-0913	07/29/08	12:49	*E. coli*	CFU/100mL	170	
MRHAT3	W1061	34-0970	09/03/08	12:11	*E. coli*	CFU/100mL	10	
MRHAT3	W1061	34-1024	09/09/08	12:56	*E. coli*	CFU/100mL	540	
MRHAT3	W1061	34-0577	05/06/08	13:17	Suspended Solids	mg/L	2.0	
MRHAT3	W1061	34-0679	06/03/08	13:00	Suspended Solids	mg/L	1.9	
MRHAT3	W1061	34-0781	07/01/08	12:58	Suspended Solids	mg/L	1.8	
MRHAT3	W1061	34-0913	07/29/08	12:49	Suspended Solids	mg/L	5.1	
MRHAT3	W1061	34-1024	09/09/08	12:56	Suspended Solids	mg/L	13	
MRHAT3	W1061	34-0577	05/06/08	13:17	Total Nitrogen	mg/L	0.55	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
MRHAT3	W1061	34-0679	06/03/08	13:00	Total Nitrogen	mg/L	0.81	
MRHAT3	W1061	34-0781	07/01/08	12:58	Total Nitrogen	mg/L	0.72	
MRHAT3	W1061	34-0913	07/29/08	12:49	Total Nitrogen	mg/L	0.59	h
MRHAT3	W1061	34-1024	09/09/08	12:56	Total Nitrogen	mg/L	0.62	
MRHAT3	W1061	34-0577	05/06/08	13:17	Total Phosphorus	mg/L	0.019	
MRHAT3	W1061	34-0679	06/03/08	13:00	Total Phosphorus	mg/L	0.025	
MRHAT3	W1061	34-0781	07/01/08	12:58	Total Phosphorus	mg/L	0.032	
MRHAT3	W1061	34-0913	07/29/08	12:49	Total Phosphorus	mg/L	0.050	h
MRHAT3	W1061	34-1024	09/09/08	12:56	Total Phosphorus	mg/L	0.085	
MRHAT3	W1061	34-0577	05/06/08	13:17	True Color	PCU	18	
MRHAT3	W1061	34-0679	06/03/08	13:00	True Color	PCU	16	
MRHAT3	W1061	34-0781	07/01/08	12:58	True Color	PCU	36	
MRHAT3	W1061	34-0913	07/29/08	12:49	True Color	PCU	48	
MRHAT3	W1061	34-1024	09/09/08	12:56	True Color	PCU	51	
MRHAT3	W1061	34-0577	05/06/08	13:17	Turbidity	NTU	2.1	
MRHAT3	W1061	34-0679	06/03/08	13:00	Turbidity	NTU	1.6	
MRHAT3	W1061	34-0781	07/01/08	12:58	Turbidity	NTU	2.4	
MRHAT3	W1061	34-0913	07/29/08	12:49	Turbidity	NTU	4.5	b
MRHAT3	W1061	34-1024	09/09/08	12:56	Turbidity	NTU	13.5	
MRNOHAM1	W1796	34-0578	05/06/08	13:40	Ammonia-N	mg/L	<0.02	
MRNOHAM1	W1796	34-0680	06/03/08	13:26	Ammonia-N	mg/L	<0.02	
MRNOHAM1	W1796	34-0782	07/01/08	13:20	Ammonia-N	mg/L	<0.02	
MRNOHAM1	W1796	34-0914	07/29/08	13:20	Ammonia-N	mg/L	<0.02	
MRNOHAM1	W1796	34-1025	09/09/08	13:31	Ammonia-N	mg/L	0.05	
MRNOHAM1	W1796	34-0578	05/06/08	13:40	*E. coli*	CFU/100mL	4	
MRNOHAM1	W1796	34-0680	06/03/08	13:26	*E. coli*	CFU/100mL	20	
MRNOHAM1	W1796	34-0782	07/01/08	13:20	*E. coli*	CFU/100mL	140	
MRNOHAM1	W1796	34-0914	07/29/08	13:20	*E. coli*	CFU/100mL	80	
MRNOHAM1	W1796	34-0971	09/03/08	12:33	*E. coli*	CFU/100mL	50	
MRNOHAM1	W1796	34-1025	09/09/08	13:31	*E. coli*	CFU/100mL	2900	
MRNOHAM1	W1796	34-0578	05/06/08	13:40	Suspended Solids	mg/L	1.5	d
MRNOHAM1	W1796	34-0680	06/03/08	13:26	Suspended Solids	mg/L	<1.0	
MRNOHAM1	W1796	34-0782	07/01/08	13:20	Suspended Solids	mg/L	1.7	
MRNOHAM1	W1796	34-0914	07/29/08	13:20	Suspended Solids	mg/L	2.2	
MRNOHAM1	W1796	34-1025	09/09/08	13:31	Suspended Solids	mg/L	12	
MRNOHAM1	W1796	34-0578	05/06/08	13:40	Total Nitrogen	mg/L	0.29	
MRNOHAM1	W1796	34-0680	06/03/08	13:26	Total Nitrogen	mg/L	0.55	
MRNOHAM1	W1796	34-0782	07/01/08	13:20	Total Nitrogen	mg/L	0.43	
MRNOHAM1	W1796	34-0914	07/29/08	13:20	Total Nitrogen	mg/L	0.41	h
MRNOHAM1	W1796	34-1025	09/09/08	13:31	Total Nitrogen	mg/L	0.64	
MRNOHAM1	W1796	34-0578	05/06/08	13:40	Total Phosphorus	mg/L	0.007	
MRNOHAM1	W1796	34-0680	06/03/08	13:26	Total Phosphorus	mg/L	0.012	d

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
MRNOHAM1	W1796	34-0782	07/01/08	13:20	Total Phosphorus	mg/L	0.012	
MRNOHAM1	W1796	34-0914	07/29/08	13:20	Total Phosphorus	mg/L	0.017	h
MRNOHAM1	W1796	34-1025	09/09/08	13:31	Total Phosphorus	mg/L	0.051	
MRNOHAM1	W1796	34-0578	05/06/08	13:40	True Color	PCU	<15	
MRNOHAM1	W1796	34-0680	06/03/08	13:26	True Color	PCU	<15	
MRNOHAM1	W1796	34-0782	07/01/08	13:20	True Color	PCU	16	
MRNOHAM1	W1796	34-0914	07/29/08	13:20	True Color	PCU	32	
MRNOHAM1	W1796	34-1025	09/09/08	13:31	True Color	PCU	32	
MRNOHAM1	W1796	34-0578	05/06/08	13:40	Turbidity	NTU	0.9	d
MRNOHAM1	W1796	34-0680	06/03/08	13:26	Turbidity	NTU	0.7	
MRNOHAM1	W1796	34-0782	07/01/08	13:20	Turbidity	NTU	1.1	d
MRNOHAM1	W1796	34-0914	07/29/08	13:20	Turbidity	NTU	1.7	b, d
MRNOHAM1	W1796	34-1025	09/09/08	13:31	Turbidity	NTU	9.7	
MRSPRING1	W1786	34-0603	05/06/08	12:05	Ammonia-N	mg/L	0.02	
MRSPRING1	W1786	34-0705	06/03/08	11:55	Ammonia-N	mg/L	0.04	
MRSPRING1	W1786	34-0807	07/01/08	11:41	Ammonia-N	mg/L	0.04	
MRSPRING1	W1786	34-0939	07/29/08	12:38	Ammonia-N	mg/L	0.12	
MRSPRING1	W1786	34-1050	09/09/08	11:59	Ammonia-N	mg/L	0.41	
MRSPRING1	W1786	34-0603	05/06/08	12:05	*E. coli*	CFU/100mL	88	
MRSPRING1	W1786	34-0705	06/03/08	11:55	*E. coli*	CFU/100mL	328	
MRSPRING1	W1786	34-0807	07/01/08	11:41	*E. coli*	CFU/100mL	>200	
MRSPRING1	W1786	34-0939	07/29/08	12:38	*E. coli*	CFU/100mL	740	
MRSPRING1	W1786	34-0996	09/03/08	11:28	*E. coli*	CFU/100mL	>800	
MRSPRING1	W1786	34-1050	09/09/08	11:59	*E. coli*	CFU/100mL	>4000	
MRSPRING1	W1786	34-0603	05/06/08	12:05	Suspended Solids	mg/L	5.1	
MRSPRING1	W1786	34-0705	06/03/08	11:55	Suspended Solids	mg/L	4.6	
MRSPRING1	W1786	34-0807	07/01/08	11:41	Suspended Solids	mg/L	7.6	
MRSPRING1	W1786	34-0939	07/29/08	12:38	Suspended Solids	mg/L	5.8	
MRSPRING1	W1786	34-1050	09/09/08	11:59	Suspended Solids	mg/L	41	
MRSPRING1	W1786	34-0603	05/06/08	12:05	Total Nitrogen	mg/L	1.1	
MRSPRING1	W1786	34-0705	06/03/08	11:55	Total Nitrogen	mg/L	1.2	
MRSPRING1	W1786	34-0807	07/01/08	11:41	Total Nitrogen	mg/L	0.91	
MRSPRING1	W1786	34-0939	07/29/08	12:38	Total Nitrogen	mg/L	1.0	h
MRSPRING1	W1786	34-1050	09/09/08	11:59	Total Nitrogen	mg/L	1.8	
MRSPRING1	W1786	34-0603	05/06/08	12:05	Total Phosphorus	mg/L	0.036	
MRSPRING1	W1786	34-0705	06/03/08	11:55	Total Phosphorus	mg/L	0.039	
MRSPRING1	W1786	34-0807	07/01/08	11:41	Total Phosphorus	mg/L	0.048	
MRSPRING1	W1786	34-0939	07/29/08	12:38	Total Phosphorus	mg/L	0.063	h
MRSPRING1	W1786	34-1050	09/09/08	11:59	Total Phosphorus	mg/L	0.33	
MRSPRING1	W1786	34-0603	05/06/08	12:05	True Color	PCU	56	
MRSPRING1	W1786	34-0705	06/03/08	11:55	True Color	PCU	31	
MRSPRING1	W1786	34-0807	07/01/08	11:41	True Color	PCU	47	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
MRSPRING1	W1786	34-0939	07/29/08	12:38	True Color	PCU	85	
MRSPRING1	W1786	34-1050	09/09/08	11:59	True Color	PCU	63	
MRSPRING1	W1786	34-0603	05/06/08	12:05	Turbidity	NTU	3.0	
MRSPRING1	W1786	34-0705	06/03/08	11:55	Turbidity	NTU	3.0	
MRSPRING1	W1786	34-0807	07/01/08	11:41	Turbidity	NTU	5.3	
MRSPRING1	W1786	34-0939	07/29/08	12:38	Turbidity	NTU	6.7	
MRSPRING1	W1786	34-1050	09/09/08	11:59	Turbidity	NTU	19.5	
NBMAN1	W1797	34-0592	05/06/08	13:20	Ammonia-N	mg/L	<0.02	
NBMAN1	W1797	34-0694	06/03/08	14:27	Ammonia-N	mg/L	<0.02	
NBMAN1	W1797	34-0796	07/01/08	13:30	Ammonia-N	mg/L	0.02	
NBMAN1	W1797	34-0928	07/29/08	14:03	Ammonia-N	mg/L	<0.02	
NBMAN1	W1797	34-1039	09/09/08	12:40	Ammonia-N	mg/L	0.02	
NBMAN1	W1797	34-0592	05/06/08	13:20	*E. coli*	CFU/100mL	2	
NBMAN1	W1797	34-0694	06/03/08	14:27	*E. coli*	CFU/100mL	24	
NBMAN1	W1797	34-0796	07/01/08	13:30	*E. coli*	CFU/100mL	90	
NBMAN1	W1797	34-0928	07/29/08	14:03	*E. coli*	CFU/100mL	80	
NBMAN1	W1797	34-0985	09/03/08	12:48	*E. coli*	CFU/100mL	40	
NBMAN1	W1797	34-1039	09/09/08	12:40	*E. coli*	CFU/100mL	360	
NBMAN1	W1797	34-0592	05/06/08	13:20	Suspended Solids	mg/L	10	
NBMAN1	W1797	34-0694	06/03/08	14:27	Suspended Solids	mg/L	3.7	
NBMAN1	W1797	34-0796	07/01/08	13:30	Suspended Solids	mg/L	4.9	
NBMAN1	W1797	34-0928	07/29/08	14:03	Suspended Solids	mg/L	4.3	
NBMAN1	W1797	34-1039	09/09/08	12:40	Suspended Solids	mg/L	13	
NBMAN1	W1797	34-0592	05/06/08	13:20	Total Nitrogen	mg/L	0.50	
NBMAN1	W1797	34-0694	06/03/08	14:27	Total Nitrogen	mg/L	0.81	
NBMAN1	W1797	34-0796	07/01/08	13:30	Total Nitrogen	mg/L	0.82	
NBMAN1	W1797	34-0928	07/29/08	14:03	Total Nitrogen	mg/L	0.58	h
NBMAN1	W1797	34-1039	09/09/08	12:40	Total Nitrogen	mg/L	0.67	
NBMAN1	W1797	34-0592	05/06/08	13:20	Total Phosphorus	mg/L	0.015	
NBMAN1	W1797	34-0694	06/03/08	14:27	Total Phosphorus	mg/L	0.013	
NBMAN1	W1797	34-0796	07/01/08	13:30	Total Phosphorus	mg/L	0.017	
NBMAN1	W1797	34-0928	07/29/08	14:03	Total Phosphorus	mg/L	0.020	h
NBMAN1	W1797	34-1039	09/09/08	12:40	Total Phosphorus	mg/L	0.030	
NBMAN1	W1797	34-0592	05/06/08	13:20	True Color	PCU	<15	
NBMAN1	W1797	34-0694	06/03/08	14:27	True Color	PCU	<15	
NBMAN1	W1797	34-0796	07/01/08	13:30	True Color	PCU	<15	
NBMAN1	W1797	34-0928	07/29/08	14:03	True Color	PCU	20	
NBMAN1	W1797	34-1039	09/09/08	12:40	True Color	PCU	23	
NBMAN1	W1797	34-0592	05/06/08	13:20	Turbidity	NTU	8.1	b
NBMAN1	W1797	34-0694	06/03/08	14:27	Turbidity	NTU	3.4	b
NBMAN1	W1797	34-0796	07/01/08	13:30	Turbidity	NTU	4.9	
NBMAN1	W1797	34-0928	07/29/08	14:03	Turbidity	NTU	3.4	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
NBMAN1	W1797	34-1039	09/09/08	12:40	Turbidity	NTU	8.4	
ROAR1	W1788	34-0576	05/06/08	12:47	Ammonia-N	mg/L	<0.02	
ROAR1	W1788	34-0678	06/03/08	12:29	Ammonia-N	mg/L	<0.02	
ROAR1	W1788	34-0780	07/01/08	12:25	Ammonia-N	mg/L	<0.02	
ROAR1	W1788	34-0912	07/29/08	12:20	Ammonia-N	mg/L	<0.02	
ROAR1	W1788	34-1023	09/09/08	12:24	Ammonia-N	mg/L	<0.02	
ROAR1	W1788	34-0576	05/06/08	12:47	*E. coli*	CFU/100mL	<4	
ROAR1	W1788	34-0678	06/03/08	12:29	*E. coli*	CFU/100mL	8	
ROAR1	W1788	34-0780	07/01/08	12:25	*E. coli*	CFU/100mL	<10	
ROAR1	W1788	34-0912	07/29/08	12:20	*E. coli*	CFU/100mL	30	
ROAR1	W1788	34-0969	09/03/08	11:50	*E. coli*	CFU/100mL	50	
ROAR1	W1788	34-1023	09/09/08	12:24	*E. coli*	CFU/100mL	140	
ROAR1	W1788	34-0576	05/06/08	12:47	Suspended Solids	mg/L	<1.0	
ROAR1	W1788	34-0678	06/03/08	12:29	Suspended Solids	mg/L	<1.0	
ROAR1	W1788	34-0780	07/01/08	12:25	Suspended Solids	mg/L	1.7	
ROAR1	W1788	34-0912	07/29/08	12:20	Suspended Solids	mg/L	<1.0	
ROAR1	W1788	34-1023	09/09/08	12:24	Suspended Solids	mg/L	2.0	
ROAR1	W1788	34-0576	05/06/08	12:47	Total Nitrogen	mg/L	0.12	
ROAR1	W1788	34-0678	06/03/08	12:29	Total Nitrogen	mg/L	0.37	
ROAR1	W1788	34-0780	07/01/08	12:25	Total Nitrogen	mg/L	0.20	
ROAR1	W1788	34-0912	07/29/08	12:20	Total Nitrogen	mg/L	0.18	h
ROAR1	W1788	34-1023	09/09/08	12:24	Total Nitrogen	mg/L	0.20	
ROAR1	W1788	34-0576	05/06/08	12:47	Total Phosphorus	mg/L	<0.005	
ROAR1	W1788	34-0678	06/03/08	12:29	Total Phosphorus	mg/L	0.006	
ROAR1	W1788	34-0780	07/01/08	12:25	Total Phosphorus	mg/L	<0.005	
ROAR1	W1788	34-0912	07/29/08	12:20	Total Phosphorus	mg/L	0.005	h
ROAR1	W1788	34-1023	09/09/08	12:24	Total Phosphorus	mg/L	0.007	
ROAR1	W1788	34-0576	05/06/08	12:47	True Color	PCU	<15	
ROAR1	W1788	34-0678	06/03/08	12:29	True Color	PCU	<15	
ROAR1	W1788	34-0780	07/01/08	12:25	True Color	PCU	<15	
ROAR1	W1788	34-0912	07/29/08	12:20	True Color	PCU	<15	
ROAR1	W1788	34-1023	09/09/08	12:24	True Color	PCU	<15	
ROAR1	W1788	34-0576	05/06/08	12:47	Turbidity	NTU	<0.5	
ROAR1	W1788	34-0678	06/03/08	12:29	Turbidity	NTU	1.0	
ROAR1	W1788	34-0780	07/01/08	12:25	Turbidity	NTU	<0.5	
ROAR1	W1788	34-0912	07/29/08	12:20	Turbidity	NTU	1.4	b
ROAR1	W1788	34-1023	09/09/08	12:24	Turbidity	NTU	1.7	
RUSS1	W1802	34-0582	05/06/08	10:18	Ammonia-N	mg/L	0.04	
RUSS1	W1802	34-0684	06/03/08	10:33	Ammonia-N	mg/L	0.04	d
RUSS1	W1802	34-0786	07/01/08	9:55	Ammonia-N	mg/L	0.03	
RUSS1	W1802	34-0918	07/29/08	10:11	Ammonia-N	mg/L	0.03	d
RUSS1	W1802	34-1029	09/09/08	9:59	Ammonia-N	mg/L	0.04	d

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
RUSS1	W1802	34-0582	05/06/08	10:18	*E. coli*	CFU/100mL	6	
RUSS1	W1802	34-0684	06/03/08	10:33	*E. coli*	CFU/100mL	76	
RUSS1	W1802	34-0786	07/01/08	9:55	*E. coli*	CFU/100mL	240	
RUSS1	W1802	34-0918	07/29/08	10:11	*E. coli*	CFU/100mL	120	
RUSS1	W1802	34-0975	09/03/08	10:04	*E. coli*	CFU/100mL	120	
RUSS1	W1802	34-1029	09/09/08	9:59	*E. coli*	CFU/100mL	220	
RUSS1	W1802	34-0582	05/06/08	10:18	Suspended Solids	mg/L	5.0	
RUSS1	W1802	34-0684	06/03/08	10:33	Suspended Solids	mg/L	5.7	
RUSS1	W1802	34-0786	07/01/08	9:55	Suspended Solids	mg/L	6.3	
RUSS1	W1802	34-0918	07/29/08	10:11	Suspended Solids	mg/L	3.1	
RUSS1	W1802	34-1029	09/09/08	9:59	Suspended Solids	mg/L	2.7	
RUSS1	W1802	34-0582	05/06/08	10:18	Total Nitrogen	mg/L	1.2	
RUSS1	W1802	34-0684	06/03/08	10:33	Total Nitrogen	mg/L	1.3	
RUSS1	W1802	34-0786	07/01/08	9:55	Total Nitrogen	mg/L	1.1	
RUSS1	W1802	34-0918	07/29/08	10:11	Total Nitrogen	mg/L	1.2	h
RUSS1	W1802	34-1029	09/09/08	9:59	Total Nitrogen	mg/L	1.3	
RUSS1	W1802	34-0582	05/06/08	10:18	Total Phosphorus	mg/L	0.035	
RUSS1	W1802	34-0684	06/03/08	10:33	Total Phosphorus	mg/L	0.050	
RUSS1	W1802	34-0786	07/01/08	9:55	Total Phosphorus	mg/L	0.054	
RUSS1	W1802	34-0918	07/29/08	10:11	Total Phosphorus	mg/L	0.052	h
RUSS1	W1802	34-1029	09/09/08	9:59	Total Phosphorus	mg/L	0.047	
RUSS1	W1802	34-0582	05/06/08	10:18	True Color	PCU	<15	
RUSS1	W1802	34-0684	06/03/08	10:33	True Color	PCU	<15	
RUSS1	W1802	34-0786	07/01/08	9:55	True Color	PCU	16	
RUSS1	W1802	34-0918	07/29/08	10:11	True Color	PCU	22	
RUSS1	W1802	34-1029	09/09/08	9:59	True Color	PCU	21	d
RUSS1	W1802	34-0582	05/06/08	10:18	Turbidity	NTU	2.2	b
RUSS1	W1802	34-0684	06/03/08	10:33	Turbidity	NTU	3.1	b
RUSS1	W1802	34-0786	07/01/08	9:55	Turbidity	NTU	4.0	d
RUSS1	W1802	34-0918	07/29/08	10:11	Turbidity	NTU	2.4	
RUSS1	W1802	34-1029	09/09/08	9:59	Turbidity	NTU	1.8	
SAW1	W1048	34-0572	05/06/08	11:05	Ammonia-N	mg/L	<0.02	
SAW1	W1048	34-0674	06/03/08	10:53	Ammonia-N	mg/L	<0.02	
SAW1	W1048	34-0776	07/01/08	11:00	Ammonia-N	mg/L	<0.02	
SAW1	W1048	34-0908	07/29/08	10:51	Ammonia-N	mg/L	<0.02	
SAW1	W1048	34-1019	09/09/08	10:54	Ammonia-N	mg/L	<0.02	
SAW1	W1048	34-0572	05/06/08	11:05	*E. coli*	CFU/100mL	2	
SAW1	W1048	34-0674	06/03/08	10:53	*E. coli*	CFU/100mL	32	
SAW1	W1048	34-0776	07/01/08	11:00	*E. coli*	CFU/100mL	360	
SAW1	W1048	34-0908	07/29/08	10:51	*E. coli*	CFU/100mL	120	
SAW1	W1048	34-0965	09/03/08	10:50	*E. coli*	CFU/100mL	160	
SAW1	W1048	34-1019	09/09/08	10:54	*E. coli*	CFU/100mL	420	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
SAW1	W1048	34-0572	05/06/08	11:05	Suspended Solids	mg/L	1.8	
SAW1	W1048	34-0674	06/03/08	10:53	Suspended Solids	mg/L	<1.0	
SAW1	W1048	34-0776	07/01/08	11:00	Suspended Solids	mg/L	1.3	
SAW1	W1048	34-0908	07/29/08	10:51	Suspended Solids	mg/L	3.9	
SAW1	W1048	34-1019	09/09/08	10:54	Suspended Solids	mg/L	4.7	
SAW1	W1048	34-0572	05/06/08	11:05	Total Nitrogen	mg/L	0.22	
SAW1	W1048	34-0674	06/03/08	10:53	Total Nitrogen	mg/L	0.35	
SAW1	W1048	34-0776	07/01/08	11:00	Total Nitrogen	mg/L	0.34	
SAW1	W1048	34-0908	07/29/08	10:51	Total Nitrogen	mg/L	0.32	h
SAW1	W1048	34-1019	09/09/08	10:54	Total Nitrogen	mg/L	0.24	
SAW1	W1048	34-0572	05/06/08	11:05	Total Phosphorus	mg/L	0.006	
SAW1	W1048	34-0674	06/03/08	10:53	Total Phosphorus	mg/L	0.006	
SAW1	W1048	34-0776	07/01/08	11:00	Total Phosphorus	mg/L	0.008	
SAW1	W1048	34-0908	07/29/08	10:51	Total Phosphorus	mg/L	0.013	h
SAW1	W1048	34-1019	09/09/08	10:54	Total Phosphorus	mg/L	0.012	
SAW1	W1048	34-0572	05/06/08	11:05	True Color	PCU	<15	
SAW1	W1048	34-0674	06/03/08	10:53	True Color	PCU	<15	
SAW1	W1048	34-0776	07/01/08	11:00	True Color	PCU	<15	
SAW1	W1048	34-0908	07/29/08	10:51	True Color	PCU	32	
SAW1	W1048	34-1019	09/09/08	10:54	True Color	PCU	27	
SAW1	W1048	34-0572	05/06/08	11:05	Turbidity	NTU	1.0	
SAW1	W1048	34-0674	06/03/08	10:53	Turbidity	NTU	1.0	
SAW1	W1048	34-0776	07/01/08	11:00	Turbidity	NTU	1.1	
SAW1	W1048	34-0908	07/29/08	10:51	Turbidity	NTU	3.1	b
SAW1	W1048	34-1019	09/09/08	10:54	Turbidity	NTU	2.4	
SCANT1	W1789	34-0604	05/06/08	12:48	Ammonia-N	mg/L	<0.02	
SCANT1	W1789	34-0706	06/03/08	12:22	Ammonia-N	mg/L	<0.02	
SCANT1	W1789	34-0808	07/01/08	12:27	Ammonia-N	mg/L	<0.02	
SCANT1	W1789	34-0940	07/29/08	13:05	Ammonia-N	mg/L	<0.02	
SCANT1	W1789	34-1051	09/09/08	12:35	Ammonia-N	mg/L	0.02	
SCANT1	W1789	34-0604	05/06/08	12:48	*E. coli*	CFU/100mL	16	
SCANT1	W1789	34-0706	06/03/08	12:22	*E. coli*	CFU/100mL	52	
SCANT1	W1789	34-0808	07/01/08	12:27	*E. coli*	CFU/100mL	310	
SCANT1	W1789	34-0940	07/29/08	13:05	*E. coli*	CFU/100mL	280	
SCANT1	W1789	34-0997	09/03/08	11:55	*E. coli*	CFU/100mL	210	
SCANT1	W1789	34-1051	09/09/08	12:35	*E. coli*	CFU/100mL	3600	
SCANT1	W1789	34-0604	05/06/08	12:48	Suspended Solids	mg/L	1.4	
SCANT1	W1789	34-0706	06/03/08	12:22	Suspended Solids	mg/L	1.3	
SCANT1	W1789	34-0808	07/01/08	12:27	Suspended Solids	mg/L	2.9	
SCANT1	W1789	34-0940	07/29/08	13:05	Suspended Solids	mg/L	4.7	
SCANT1	W1789	34-1051	09/09/08	12:35	Suspended Solids	mg/L	9.7	
SCANT1	W1789	34-0604	05/06/08	12:48	Total Nitrogen	mg/L	0.32	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
SCANT1	W1789	34-0706	06/03/08	12:22	Total Nitrogen	mg/L	0.54	
SCANT1	W1789	34-0808	07/01/08	12:27	Total Nitrogen	mg/L	0.48	
SCANT1	W1789	34-0940	07/29/08	13:05	Total Nitrogen	mg/L	0.41	h
SCANT1	W1789	34-1051	09/09/08	12:35	Total Nitrogen	mg/L	0.43	
SCANT1	W1789	34-0604	05/06/08	12:48	Total Phosphorus	mg/L	0.007	
SCANT1	W1789	34-0706	06/03/08	12:22	Total Phosphorus	mg/L	0.012	
SCANT1	W1789	34-0808	07/01/08	12:27	Total Phosphorus	mg/L	0.018	
SCANT1	W1789	34-0940	07/29/08	13:05	Total Phosphorus	mg/L	0.019	h
SCANT1	W1789	34-1051	09/09/08	12:35	Total Phosphorus	mg/L	0.020	
SCANT1	W1789	34-0604	05/06/08	12:48	True Color	PCU	<15	
SCANT1	W1789	34-0706	06/03/08	12:22	True Color	PCU	<15	
SCANT1	W1789	34-0808	07/01/08	12:27	True Color	PCU	38	
SCANT1	W1789	34-0940	07/29/08	13:05	True Color	PCU	32	
SCANT1	W1789	34-1051	09/09/08	12:35	True Color	PCU	29	
SCANT1	W1789	34-0604	05/06/08	12:48	Turbidity	NTU	0.7	
SCANT1	W1789	34-0706	06/03/08	12:22	Turbidity	NTU	0.6	
SCANT1	W1789	34-0808	07/01/08	12:27	Turbidity	NTU	1.6	
SCANT1	W1789	34-0940	07/29/08	13:05	Turbidity	NTU	2.3	
SCANT1	W1789	34-1051	09/09/08	12:35	Turbidity	NTU	4.7	
STONY1	W1792	34-0598	05/06/08	10:45	Ammonia-N	mg/L	0.02	r
STONY1	W1792	34-0700	06/03/08	10:31	Ammonia-N	mg/L	0.05	
STONY1	W1792	34-0802	07/01/08	10:26	Ammonia-N	mg/L	0.04	
STONY1	W1792	34-0934	07/29/08	10:58	Ammonia-N	mg/L	0.04	
STONY1	W1792	34-1045	09/09/08	10:35	Ammonia-N	mg/L	0.03	
STONY1	W1792	34-0598	05/06/08	10:45	*E. coli*	CFU/100mL	52	r
STONY1	W1792	34-0700	06/03/08	10:31	*E. coli*	CFU/100mL	272	
STONY1	W1792	34-0802	07/01/08	10:26	*E. coli*	CFU/100mL	260	
STONY1	W1792	34-0934	07/29/08	10:58	*E. coli*	CFU/100mL	130	
STONY1	W1792	34-0991	09/03/08	10:33	*E. coli*	CFU/100mL	70	d
STONY1	W1792	34-1045	09/09/08	10:35	*E. coli*	CFU/100mL	200	
STONY1	W1792	34-0598	05/06/08	10:45	Suspended Solids	mg/L	2.9	d, r
STONY1	W1792	34-0700	06/03/08	10:31	Suspended Solids	mg/L	2.8	
STONY1	W1792	34-0802	07/01/08	10:26	Suspended Solids	mg/L	2.2	d
STONY1	W1792	34-0934	07/29/08	10:58	Suspended Solids	mg/L	2.6	
STONY1	W1792	34-1045	09/09/08	10:35	Suspended Solids	mg/L	4.2	
STONY1	W1792	34-0598	05/06/08	10:45	Total Nitrogen	mg/L	0.59	r
STONY1	W1792	34-0700	06/03/08	10:31	Total Nitrogen	mg/L	0.71	
STONY1	W1792	34-0802	07/01/08	10:26	Total Nitrogen	mg/L	0.65	
STONY1	W1792	34-0934	07/29/08	10:58	Total Nitrogen	mg/L	0.78	h
STONY1	W1792	34-1045	09/09/08	10:35	Total Nitrogen	mg/L	0.55	
STONY1	W1792	34-0598	05/06/08	10:45	Total Phosphorus	mg/L	0.032	r
STONY1	W1792	34-0700	06/03/08	10:31	Total Phosphorus	mg/L	0.047	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
STONY1	W1792	34-0802	07/01/08	10:26	Total Phosphorus	mg/L	0.063	
STONY1	W1792	34-0934	07/29/08	10:58	Total Phosphorus	mg/L	0.065	h
STONY1	W1792	34-1045	09/09/08	10:35	Total Phosphorus	mg/L	0.063	
STONY1	W1792	34-0598	05/06/08	10:45	True Color	PCU	53	r
STONY1	W1792	34-0700	06/03/08	10:31	True Color	PCU	44	
STONY1	W1792	34-0802	07/01/08	10:26	True Color	PCU	67	
STONY1	W1792	34-0934	07/29/08	10:58	True Color	PCU	90	
STONY1	W1792	34-1045	09/09/08	10:35	True Color	PCU	78	
STONY1	W1792	34-0598	05/06/08	10:45	Turbidity	NTU	2.8	r
STONY1	W1792	34-0700	06/03/08	10:31	Turbidity	NTU	3.3	
STONY1	W1792	34-0802	07/01/08	10:26	Turbidity	NTU	3.1	
STONY1	W1792	34-0934	07/29/08	10:58	Turbidity	NTU	3.8	
STONY1	W1792	34-1045	09/09/08	10:35	Turbidity	NTU	4.9	d
STONY2	W1790	34-0601	05/06/08	11:06	Ammonia-N	mg/L	<0.02	
STONY2	W1790	34-0703	06/03/08	10:51	Ammonia-N	mg/L	0.06	
STONY2	W1790	34-0805	07/01/08	10:49	Ammonia-N	mg/L	0.06	
STONY2	W1790	34-0937	07/29/08	11:24	Ammonia-N	mg/L	0.03	
STONY2	W1790	34-1048	09/09/08	11:00	Ammonia-N	mg/L	0.02	
STONY2	W1790	34-0601	05/06/08	11:06	*E. coli*	CFU/100mL	52	
STONY2	W1790	34-0703	06/03/08	10:51	*E. coli*	CFU/100mL	320	
STONY2	W1790	34-0805	07/01/08	10:49	*E. coli*	CFU/100mL	230	
STONY2	W1790	34-0937	07/29/08	11:24	*E. coli*	CFU/100mL	110	
STONY2	W1790	34-0994	09/03/08	10:45	*E. coli*	CFU/100mL	70	
STONY2	W1790	34-1048	09/09/08	11:00	*E. coli*	CFU/100mL	400	
STONY2	W1790	34-0601	05/06/08	11:06	Suspended Solids	mg/L	3.7	
STONY2	W1790	34-0703	06/03/08	10:51	Suspended Solids	mg/L	4.0	
STONY2	W1790	34-0805	07/01/08	10:49	Suspended Solids	mg/L	5.2	
STONY2	W1790	34-0937	07/29/08	11:24	Suspended Solids	mg/L	2.8	
STONY2	W1790	34-1048	09/09/08	11:00	Suspended Solids	mg/L	3.9	
STONY2	W1790	34-0601	05/06/08	11:06	Total Nitrogen	mg/L	0.54	
STONY2	W1790	34-0703	06/03/08	10:51	Total Nitrogen	mg/L	0.80	
STONY2	W1790	34-0805	07/01/08	10:49	Total Nitrogen	mg/L	0.68	
STONY2	W1790	34-0937	07/29/08	11:24	Total Nitrogen	mg/L	0.74	h
STONY2	W1790	34-1048	09/09/08	11:00	Total Nitrogen	mg/L	0.55	
STONY2	W1790	34-0601	05/06/08	11:06	Total Phosphorus	mg/L	0.032	
STONY2	W1790	34-0703	06/03/08	10:51	Total Phosphorus	mg/L	0.053	
STONY2	W1790	34-0805	07/01/08	10:49	Total Phosphorus	mg/L	0.071	
STONY2	W1790	34-0937	07/29/08	11:24	Total Phosphorus	mg/L	0.067	h
STONY2	W1790	34-1048	09/09/08	11:00	Total Phosphorus	mg/L	0.066	
STONY2	W1790	34-0601	05/06/08	11:06	True Color	PCU	52	
STONY2	W1790	34-0703	06/03/08	10:51	True Color	PCU	57	
STONY2	W1790	34-0805	07/01/08	10:49	True Color	PCU	78	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
STONY2	W1790	34-0937	07/29/08	11:24	True Color	PCU	87	
STONY2	W1790	34-1048	09/09/08	11:00	True Color	PCU	80	
STONY2	W1790	34-0601	05/06/08	11:06	Turbidity	NTU	3.2	
STONY2	W1790	34-0703	06/03/08	10:51	Turbidity	NTU	5.7	
STONY2	W1790	34-0805	07/01/08	10:49	Turbidity	NTU	5.7	
STONY2	W1790	34-0937	07/29/08	11:24	Turbidity	NTU	2.4	
STONY2	W1790	34-1048	09/09/08	11:00	Turbidity	NTU	3.0	
WEST1	W1791	34-0596	05/06/08	10:09	Ammonia-N	mg/L	<0.02	
WEST1	W1791	34-0698	06/03/08	9:55	Ammonia-N	mg/L	<0.02	
WEST1	W1791	34-0800	07/01/08	9:47	Ammonia-N	mg/L	0.05	
WEST1	W1791	34-0932	07/29/08	10:11	Ammonia-N	mg/L	0.02	
WEST1	W1791	34-1043	09/09/08	9:50	Ammonia-N	mg/L	0.02	
WEST1	W1791	34-0596	05/06/08	10:09	*E. coli*	CFU/100mL	4	
WEST1	W1791	34-0698	06/03/08	9:55	*E. coli*	CFU/100mL	80	
WEST1	W1791	34-0800	07/01/08	9:47	*E. coli*	CFU/100mL	130	
WEST1	W1791	34-0932	07/29/08	10:11	*E. coli*	CFU/100mL	80	
WEST1	W1791	34-0989	09/03/08	9:43	*E. coli*	CFU/100mL	40	
WEST1	W1791	34-1043	09/09/08	9:50	*E. coli*	CFU/100mL	160	
WEST1	W1791	34-0596	05/06/08	10:09	Suspended Solids	mg/L	2.1	
WEST1	W1791	34-0698	06/03/08	9:55	Suspended Solids	mg/L	1.8	
WEST1	W1791	34-0800	07/01/08	9:47	Suspended Solids	mg/L	3.6	
WEST1	W1791	34-0932	07/29/08	10:11	Suspended Solids	mg/L	2.0	
WEST1	W1791	34-1043	09/09/08	9:50	Suspended Solids	mg/L	2.7	
WEST1	W1791	34-0596	05/06/08	10:09	Total Nitrogen	mg/L	0.73	
WEST1	W1791	34-0698	06/03/08	9:55	Total Nitrogen	mg/L	0.68	
WEST1	W1791	34-0800	07/01/08	9:47	Total Nitrogen	mg/L	0.72	
WEST1	W1791	34-0932	07/29/08	10:11	Total Nitrogen	mg/L	0.68	h
WEST1	W1791	34-1043	09/09/08	9:50	Total Nitrogen	mg/L	0.66	
WEST1	W1791	34-0596	05/06/08	10:09	Total Phosphorus	mg/L	0.036	
WEST1	W1791	34-0698	06/03/08	9:55	Total Phosphorus	mg/L	0.086	
WEST1	W1791	34-0800	07/01/08	9:47	Total Phosphorus	mg/L	0.089	
WEST1	W1791	34-0932	07/29/08	10:11	Total Phosphorus	mg/L	0.093	h
WEST1	W1791	34-1043	09/09/08	9:50	Total Phosphorus	mg/L	0.092	
WEST1	W1791	34-0596	05/06/08	10:09	True Color	PCU	46	
WEST1	W1791	34-0698	06/03/08	9:55	True Color	PCU	34	
WEST1	W1791	34-0800	07/01/08	9:47	True Color	PCU	56	
WEST1	W1791	34-0932	07/29/08	10:11	True Color	PCU	105	
WEST1	W1791	34-1043	09/09/08	9:50	True Color	PCU	99	
WEST1	W1791	34-0596	05/06/08	10:09	Turbidity	NTU	2.1	
WEST1	W1791	34-0698	06/03/08	9:55	Turbidity	NTU	1.8	
WEST1	W1791	34-0800	07/01/08	9:47	Turbidity	NTU	3.2	
WEST1	W1791	34-0932	07/29/08	10:11	Turbidity	NTU	3.3	

Table 6. 2008 MassDEP, DWM Connecticut River Watershed water quality data

NOTE: Result Qualifier definitions appear in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Units	Result	Result Qualifiers
WEST1	W1791	34-1043	09/09/08	9:50	Turbidity	NTU	2.1	
WILLA1	W1798	34-0602	05/06/08	11:34	Ammonia-N	mg/L	0.04	
WILLA1	W1798	34-0704	06/03/08	11:17	Ammonia-N	mg/L	0.06	
WILLA1	W1798	34-0806	07/01/08	11:16	Ammonia-N	mg/L	0.08	
WILLA1	W1798	34-0938	07/29/08	12:08	Ammonia-N	mg/L	0.10	
WILLA1	W1798	34-1049	09/09/08	11:30	Ammonia-N	mg/L	0.32	
WILLA1	W1798	34-0602	05/06/08	11:34	*E. coli*	CFU/100mL	<4	
WILLA1	W1798	34-0704	06/03/08	11:17	*E. coli*	CFU/100mL	80	
WILLA1	W1798	34-0806	07/01/08	11:16	*E. coli*	CFU/100mL	230	
WILLA1	W1798	34-0938	07/29/08	12:08	*E. coli*	CFU/100mL	460	
WILLA1	W1798	34-0995	09/03/08	11:05	*E. coli*	CFU/100mL	140	
WILLA1	W1798	34-1049	09/09/08	11:30	*E. coli*	CFU/100mL	>20000	
WILLA1	W1798	34-0602	05/06/08	11:34	Suspended Solids	mg/L	5.0	
WILLA1	W1798	34-0704	06/03/08	11:17	Suspended Solids	mg/L	3.4	
WILLA1	W1798	34-0806	07/01/08	11:16	Suspended Solids	mg/L	4.6	
WILLA1	W1798	34-0938	07/29/08	12:08	Suspended Solids	mg/L	10	
WILLA1	W1798	34-1049	09/09/08	11:30	Suspended Solids	mg/L	700	
WILLA1	W1798	34-0602	05/06/08	11:34	Total Nitrogen	mg/L	1.7	
WILLA1	W1798	34-0704	06/03/08	11:17	Total Nitrogen	mg/L	1.8	
WILLA1	W1798	34-0806	07/01/08	11:16	Total Nitrogen	mg/L	1.7	
WILLA1	W1798	34-0938	07/29/08	12:08	Total Nitrogen	mg/L	1.4	h
WILLA1	W1798	34-1049	09/09/08	11:30	Total Nitrogen	mg/L	3.7	
WILLA1	W1798	34-0602	05/06/08	11:34	Total Phosphorus	mg/L	0.044	
WILLA1	W1798	34-0704	06/03/08	11:17	Total Phosphorus	mg/L	0.021	
WILLA1	W1798	34-0806	07/01/08	11:16	Total Phosphorus	mg/L	0.031	
WILLA1	W1798	34-0938	07/29/08	12:08	Total Phosphorus	mg/L	0.050	h
WILLA1	W1798	34-1049	09/09/08	11:30	Total Phosphorus	mg/L	1.9	
WILLA1	W1798	34-0602	05/06/08	11:34	True Color	PCU	<15	
WILLA1	W1798	34-0704	06/03/08	11:17	True Color	PCU	<15	
WILLA1	W1798	34-0806	07/01/08	11:16	True Color	PCU	<15	
WILLA1	W1798	34-0938	07/29/08	12:08	True Color	PCU	<15	
WILLA1	W1798	34-1049	09/09/08	11:30	True Color	PCU	<15	
WILLA1	W1798	34-0602	05/06/08	11:34	Turbidity	NTU	4.1	
WILLA1	W1798	34-0704	06/03/08	11:17	Turbidity	NTU	4.1	
WILLA1	W1798	34-0806	07/01/08	11:16	Turbidity	NTU	4.9	
WILLA1	W1798	34-0938	07/29/08	12:08	Turbidity	NTU	9.3	
WILLA1	W1798	34-1049	09/09/08	11:30	Turbidity	NTU	455	

Table 7. Geometric mean* of the 2008 *E. coli* results for each DWM Connecticut River sampling station

*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. Stations that had *E. coli* results that were below the detection limit are marked with [1]. Stations that had *E. Coli* results above the upper quantification are marked with a [2]. Please see Table 6 for a complete listing of *E. coli* results.

Station ID	Unique ID	Sample Count	Geometric Mean (CFU/100 ml)
AM01[1]	W1783	6	14.9
BACH1	W1052	6	150.9
BB01	W1063	6	231.2
CT116[1]	W1045	6	18.2
CTBERN[1]	W1799	6	19.4
CTENF	W1395	5	57.6
CTRT9	W1784	6	19.8
DRY1	W1785	6	121.3
FALL1	W1782	6	53.9
FORT1	W1804	6	80.8
FORT2	W1051	6	241.1
FOUR1	W1803	6	16.9
HOP1	W1800	6	72.8
LAMP1	W1055	6	111.7
LM1[2]	W1794	6	373.3
LPLAIN1	W1801	2	8.9
MAN1	W1793	6	70.2
MAN2	W1065	6	169.2
MOOSE1[2]	W1787	6	50.8
MRHAD1	W1050	6	171.3
MRHAT1	W1795	6	98.2
MRHAT3	W1061	6	65.9
MRNOHAM1	W1796	6	71.2
MRSPRING1[2]	W1786	6	489
NBMAN1	W1797	6	41.3
ROAR1[1]	W1788	6	20.2
RUSS1	W1802	6	83.8
SAW1	W1048	6	75.5
SCANT1	W1789	6	194.8
STONY1	W1792	6	137.3
STONY2	W1790	6	150.9
WEST1	W1791	6	52.6
WILLA1[12]	W1798	6	213.5

Table 8. 2008 MassDEP, DWM Connecticut River Watershed Attended Multiprobe Data

Note: Descriptions of data qualifiers may be found in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature °C	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AM01	W1783	34-0615	05/06/08	11:10	0.2		10.3		6.3		54		35		10.8		98	
AM01	W1783	34-0717	06/03/08	11:30	0.2		14.2		6.8		78	i	50	i	10.2		101	
AM01	W1783	34-0819	07/01/08	11:03	0		18.2		7		69		45		9.5		101	
AM01	W1783	34-0951	07/29/08	11:11	--		19		6.1		43		28		8.8		97	
AM01	W1783	34-1062	09/09/08	10:49	--		17.3		6		45		29		9.1		96	
BACH1	W1052	34-0656	05/30/08	10:44	0.5		17.1		7.1		168		107		9.1		96	
BACH1	W1052	34-0657	06/04/08	11:10	0.6		18.9		7.3	i	168	i	107	i	8.3		91	
BACH1	W1052	34-0758	06/27/08	10:32	0.5		19.9		7.3		172		110		8.6		97	
BACH1	W1052	34-0759	07/02/08	10:55	0.2		22.4		7.3		186		119		8.4		99	
BACH1	W1052	34-0890	07/25/08	12:11	0.7		22.1		6.9		124		79		7.9		92	
BACH1	W1052	34-0891	07/30/08	11:12	--		22.4		7.1		113		73		7.9		93	
BB01	W1063	34-0632	05/30/08	11:05	0.4		15.4		6.3		423	u, i	271	u, i	2.9		30	
BB01	W1063	34-0633	06/04/08	10:57	0.2		17.8		6.4	i	441	i	282	i	2.5	u	26	u
BB01	W1063	34-0734	06/27/08	11:32	0.5		17.1		6.3		504	u	323	u	3		32	
BB01	W1063	34-0735	07/02/08	11:16	0.5		19.3		6.3		196		126		5.4		59	
BB01	W1063	34-0866	07/25/08	11:07	--		20.2		6.4		169		108		5.5		61	
BB01	W1063	34-0867	07/30/08	11:01	1.1		19.1		6		440		281		0.3		4	
Butt1	W2060	34-0854	07/09/08	15:08	--		22.1	s	--		--		--		--		--	
Butt1	W2060	34-0855	10/06/08	11:26	--		12	s	--		--		--		--		--	
Butt2	W2061	34-0857	07/09/08	15:35	--		22.3	s	--		--		--		--		--	
Butt2	W2061	34-0858	10/06/08	11:41	--		12	s	--		--		--		--		--	
CT116	W1045	34-0610	05/06/08	11:49	0.1		9.8		7		81		52		11.8		105	
CT116	W1045	34-0712	06/03/08	11:35	0.4		19.5		7.3		132		85		8.9		99	
CT116	W1045	34-0814	07/01/08	11:31	0.6		22.3		7.3		99		63		8.6		102	
CT116	W1045	34-0946	07/29/08	11:29	0.9		21.2		7		80		51		8.3		96	
CT116	W1045	34-1057	09/09/08	11:31	1.2		22.1		--		--		--		8		92	
CTBERN	W1799	34-0626	05/30/08	9:31	1.2		18		7.4		129	i	83	i	9.5		102	

Table 8. 2008 MassDEP, DWM Connecticut River Watershed Attended Multiprobe Data

Note: Descriptions of data qualifiers may be found in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature °C	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
CTBERN	W1799	34-0627	06/04/08	9:39	1.1		19.9		7.3	i	138	i	88	i	8.9		99	
CTBERN	W1799	34-0728	06/27/08	10:04	0.4		20.2		7.1		93		60		8.5		96	
CTBERN	W1799	34-0830	06/27/08	10:13	--		20.2	m	--		--		--		8.5	m	96	m
CTBERN	W1799	34-0729	07/02/08	9:54	0.5		21.9		7.2		103		66		8.2		95	
CTBERN	W1799	34-0860	07/25/08	9:39	--		20		7.2		79		51		9.6		106	
CTBERN	W1799	34-0861	07/30/08	9:41	0.8		21.9		7.1		82		53		8.2		95	
CTBERN	W1799	34-0831	09/18/08	14:58	--		20.1	m	--		--		--		8.9	m	98	m
CTENF	W1395	34-0624	05/06/08	14:11	0.2		11.2		6.8		93		59		11		102	
CTENF	W1395	34-0726	06/03/08	13:26	0.2		20.9		7.4		159		104		9.6		107	
CTENF	W1395	34-0828	07/01/08	13:42	0.2		23.8		7.2		118		76		8.3		98	
CTENF	W1395	34-0960	07/29/08	14:06	0.7		21.6		7.1		86		56		##	i	##	i
CTENF	W1395	34-1071	09/09/08	**	**		**		**		**		**		**		**	
CTRT9	W1784	34-0641	05/30/08	13:27	3.2		18.8		7.3		131	i	84	i	9.2		99	
CTRT9	W1784	34-0642	06/04/08	12:47	3.3		19.9		7.2	i	136	i	87	i	8.7		97	
CTRT9	W1784	34-0743	06/27/08	14:01	0.6		20.8		7		96		62		8.5		97	
CTRT9	W1784	34-0833	06/27/08	14:08	--		20.8		--		--		--		8.4		96	
CTRT9	W1784	34-0744	07/02/08	12:54	2.5		22.6		6.9		105		67		8.3		98	
CTRT9	W1784	34-0875	07/25/08	13:34	--		20.9		7.1		88		56		8.9		101	
CTRT9	W1784	34-0876	07/30/08	13:21	2.4		22.1		7		80		51		8.3		98	
CTRT9	W1784	34-0834	09/05/08	12:04	--		23.9	u, m	--		--		--		7.4	u, m	89	u, m
DRY1	W1785	34-0629	05/30/08	10:08	0.4		13.6		6.6		99	i	63	i	9.9		96	
DRY1	W1785	34-0630	06/04/08	10:12	0.3		15.6		6.8	i	102	i	65	i	8.8		90	
DRY1	W1785	34-0731	06/27/08	10:49	0.2		16.8		6.9		100		64		9.3		98	
DRY1	W1785	34-0732	07/02/08	10:35	0.6		18.1		6.6		67		43		8.8		94	
DRY1	W1785	34-0863	07/25/08	10:27	--		18.3		##	u	52		34		8.7		93	
DRY1	W1785	34-0864	07/30/08	10:18	0.5		17.7		6.5		63		40		8.7		93	
FALL1	W1782	34-0608	05/06/08	10:30	0.3		9		7.2		129		82		11.8		103	

Table 8. 2008 MassDEP, DWM Connecticut River Watershed Attended Multiprobe Data

Note: Descriptions of data qualifiers may be found in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature °C	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
FALL1	W1782	34-0710	06/03/08	10:21	0.2		13.7		7.4		220		142		10.3		101	
FALL1	W1782	34-0812	07/01/08	10:14	0.1		16.8		7.4		201		129		10		105	
FALL1	W1782	34-0836	07/01/08	10:25	--		16.8	m	--		--		--		9.9	m	105	m
FALL1	W1782	34-0944	07/29/08	10:16	0.3		16.1		7.1		116		74		9.7		101	
FALL1	W1782	34-0837	09/03/08	10:20	--		16.4	s	--		--		--		--		--	
FALL1	W1782	34-1055	09/09/08	10:24	0.9		15		--		--		--		10.3		103	
FORT1	W1804	34-0617	05/06/08	12:02	0.5		12.8		6.6		91		58		10.4		99	
FORT1	W1804	34-0719	06/03/08	12:22	0.3		18.4		6.9		124	i	80	i	8.7		94	
FORT1	W1804	34-0821	07/01/08	11:58	0.3		21.5		7		122		80		8.8		99	
FORT1	W1804	34-0953	07/29/08	12:06	--		20.4		6.3		77		49		7		79	
FORT1	W1804	34-1064	09/09/08	11:29	--		17.7		6.2		81		52		7.3		77	
FORT2	W1051	34-0638	05/30/08	12:38	0.3		16.5		6.8		149	i	95	i	8.8		91	
FORT2	W1051	34-0639	06/04/08	12:21	0.4		17.2		6.8	i	146	i	93	i	8		85	
FORT2	W1051	34-0740	06/27/08	13:30	0.2		18.1		6.8		116		74		8.7		93	
FORT2	W1051	34-0741	07/02/08	12:31	0.1		21.1		6.8		144		92		7.8		89	
FORT2	W1051	34-0872	07/25/08	12:32	--		19.7		6.2		60		38		6.9		77	
FORT2	W1051	34-0873	07/30/08	12:39	0.3		21.2		6.7		101		65		7.5		86	
FOUR1	W1803	34-0607	05/06/08	9:12	0.2		7.4		6.6		51		33		11.8		100	
FOUR1	W1803	34-0709	06/03/08	9:09	0.1		12.4		6.6		70		45		9.7		92	
FOUR1	W1803	34-0811	07/01/08	9:04	0.1		16.3		6.8		63		41		9.5		99	
FOUR1	W1803	34-0943	07/29/08	9:02	0.1		16.9		6.8		54		35		9.3		98	
FOUR1	W1803	34-1054	09/09/08	9:15	0.2		15.6		--		--		--		10.1		102	
HOP1	W1800	34-0616	05/06/08	11:35	1.1		14.3		6.4		91		58		8.7		86	
HOP1	W1800	34-0718	06/03/08	11:59	0.8		18.7		6.5		118	i	76	i	6.5		71	
HOP1	W1800	34-0820	07/01/08	11:34	0.6		22.6		6.6		132		86		4.9		56	
HOP1	W1800	34-0952	07/29/08	11:41	--		21.5		6.1		82		53		4.1		47	
HOP1	W1800	34-1063	09/09/08	11:12	--		18.2		5.9		71		46		5		53	

Table 8. 2008 MassDEP, DWM Connecticut River Watershed Attended Multiprobe Data

Note: Descriptions of data qualifiers may be found in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature °C	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
LAMP1	W1055	34-0647	05/30/08	9:20	0.2		13.3		7.3		418		267		10.4		101	
LAMP1	W1055	34-0648	06/04/08	9:23	0.1		14.8		7.4	i	413	i	265	i	9.5		95	
LAMP1	W1055	34-0749	06/27/08	9:00	0.2		15.9		7.4		330		211		9.3		96	
LAMP1	W1055	34-0750	07/02/08	9:23	0.1		18.2		7.6		416	u	266	u	9		97	
LAMP1	W1055	34-0881	07/25/08	10:05	0.4		19.1		7.2		281		180		8.5		93	
LAMP1	W1055	34-0882	07/30/08	9:12	--		17.9		7.4		375	u	240	u	8.7		93	
LAMP1	W1055	34-1001	09/05/08	10:02	--		18.3		7.6		398		255		8.8		95	
LAMP1	W1055	34-1002	09/10/08	9:04	--		15.8		--		--		--		9.3		94	
LM1	W1794	34-1075	05/06/08	13:35	0.3		15.8		7.1		286		183		9.8		100	
LM1	W1794	34-0668	05/30/08	13:43	1.1		18.4		6.9		289		185		8.6		93	
LM1	W1794	34-0669	06/04/08	14:43	0.4		17.5		6.9	i	292	i	187	i	7.3		78	
LM1	W1794	34-0770	06/27/08	13:53	1.3		19.5		6.7		277		177		7.5		83	
LM1	W1794	34-0771	07/02/08	14:05	1.3		23.4		6.8		254		163		7.5		90	
LM1	W1794	34-0902	07/25/08	17:07	0.3		24.7		6.8		167		107		6.9		84	
LM1	W1794	34-0903	07/30/08	14:51	--		24.2		6.9		263		168		7.7		93	
LM1	W1794	34-1013	09/05/08	14:55	--		23.2		6.9		319		204		7.6		90	
LM1	W1794	34-1014	09/10/08	11:42	--		17.1		--		--		--		8.4		88	
LPLAIN1	W1801	34-0613	05/06/08	9:57	0.1		9.7		6.9	u	125		80		11.1		99	
LPLAIN1	W1801	34-0715	06/03/08	10:06	0	i	8.2		6.6		121	i	77	i	10.8		93	
LPLAIN1	W1801	34-0817	07/01/08	**	^^		^^		^^		^^		^^		^^		^^	
LPLAIN1	W1801	34-0949	07/29/08	**	^^		^^		^^		^^		^^		^^		^^	
LPLAIN1	W1801	34-1060	09/09/08	**	^^		^^		^^		^^		^^		^^		^^	
MAN1	W1793	34-0619	05/06/08	14:01	0.7		13.2		6.8		88		57		10.4		100	
MAN1	W1793	34-0721	06/03/08	15:02	0.4		18.2		7.3		131	i	84	i	9.5		102	
MAN1	W1793	34-0823	07/01/08	14:00	0.3		20.8		7.4		161		104		9.1		102	
MAN1	W1793	34-0955	07/29/08	14:33	--		22.8		7		96		61		7.9		93	
MAN1	W1793	34-1066	09/09/08	13:08	--		18.2		6.7		90		58		8.2		88	

Table 8. 2008 MassDEP, DWM Connecticut River Watershed Attended Multiprobe Data

Note: Descriptions of data qualifiers may be found in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature °C	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
MAN2	W1065	34-0662	05/30/08	12:18	1.5		16.4		7		158		101		9.2		95	
MAN2	W1065	34-0663	06/04/08	13:01	0.4		17.5		7.2	i	164	i	105	i	8.1		86	
MAN2	W1065	34-0764	06/27/08	12:20	1.8		18.2		6.8		145		93		8.4		91	
MAN2	W1065	34-0765	07/02/08	12:36	1.6		21.1		7		163		104		7.8		90	
MAN2	W1065	34-0896	07/25/08	15:05	3.7		21		6.8		117		75		8.2		94	
MAN2	W1065	34-0897	07/30/08	13:22	--		21.5		6.9		133		85		7.7		89	
MOOSE1	W1787	34-0620	05/06/08	14:32	0.4		13.1		7.3		234		150		10.7		103	
MOOSE1	W1787	34-0722	06/03/08	15:27	0.3		14.9		7.4		265	i	170	i	9.6		96	
MOOSE1	W1787	34-0824	07/01/08	14:27	0.2		16.2		7.5		271		176		9.8		100	
MOOSE1	W1787	34-0956	07/29/08	14:58	--		17.8		7.3		255		163		8.6		92	
MOOSE1	W1787	34-1067	09/09/08	13:31	--		15.9		6.9		158		101		8.6		88	
MRHAD1	W1050	34-0635	05/30/08	11:52	0.5		14.5		6.8		210	i	135	i	9.6		95	
MRHAD1	W1050	34-0636	06/04/08	11:41	0.1		16.1		6.7	i	188	i	120	i	8.2		85	
MRHAD1	W1050	34-0737	06/27/08	12:14	0.1		16.9		6.6		182		116		8.5		89	
MRHAD1	W1050	34-0738	07/02/08	11:53	0.4		19.7		6.7		222		142		8		89	
MRHAD1	W1050	34-0869	07/25/08	11:54	--		19.4		6.4		106		68		6.8		75	
MRHAD1	W1050	34-0870	07/30/08	12:02	0.5		19.1		6.5		169		108		7.5		82	
MRHAD1	W1050	34-1007	09/05/08	11:29	--		20		6.8		231		148		7.5		83	
MRHAD1	W1050	34-1008	09/10/08	10:09	--		16.1		--		--		--		7.7		79	
MRHAT1	W1795	34-0611	05/06/08	12:35	0.3		13.1		7.1		161		103		9.9		95	
MRHAT1	W1795	34-0713	06/03/08	12:19	0.4		19.5		7.2		196		126		7.9		88	
MRHAT1	W1795	34-0815	07/01/08	12:11	0.4		23		7.2		217		139		7.1		85	
MRHAT1	W1795	34-0947	07/29/08	12:05	0.2		20.7		7		171		110		7		80	
MRHAT1	W1795	34-1058	09/09/08	12:15	0.2		17.8		--		--		--		6.8		73	
MRHAT2	W2057	34-0842	06/27/08	15:41	--		19.2		--		--		--		8.1		89	
MRHAT2	W2057	34-0843	09/03/08	14:50	--		20.2	s	--		--		--		--		--	
MRHAT3	W1061	34-0644	05/30/08	13:57	0.1		18.4		7.1		195	i	125	i	8.7		94	

Table 8. 2008 MassDEP, DWM Connecticut River Watershed Attended Multiprobe Data

Note: Descriptions of data qualifiers may be found in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature °C	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
MRHAT3	W1061	34-0645	06/04/08	13:18	0.3		18.6		6.9	i	206	i	132	i	7.3		80	
MRHAT3	W1061	34-0746	06/27/08	14:58	0.1		20.2		7		177		113		8.5		95	
MRHAT3	W1061	34-0839	06/27/08	15:03	--		20.2		--		--		--		8.5		95	
MRHAT3	W1061	34-0747	07/02/08	13:32	0.4		23		7.1		215		138		8		95	
MRHAT3	W1061	34-0878	07/25/08	13:05	--		20.7		6.8		127		82		8.1		91	
MRHAT3	W1061	34-0879	07/30/08	13:56	0.1		22.7		7		164		105		8		95	
MRHAT3	W1061	34-0840	09/09/08	13:05	--		19.5	m	--		--		--		8	m	89	m
MRNOHAM1	W1796	34-0659	05/30/08	11:35	0.4		15.7		7.2		121		77		10.1		103	
MRNOHAM1	W1796	34-0660	06/04/08	12:00	0.3		16.4		7.2	i	121	i	78	i	9.4		98	
MRNOHAM1	W1796	34-0761	06/27/08	11:33	0.6		17.2		7.1		103		66		9.2		98	
MRNOHAM1	W1796	34-0762	07/02/08	11:50	0.6		19.9		7.4		113		72		9.4		104	
MRNOHAM1	W1796	34-0893	07/25/08	13:35	0.7		20.6		7.1		76		49		8.8		99	
MRNOHAM1	W1796	34-0894	07/30/08	12:17	--		20.2		7.2		99		63		9.1		101	
MRSPRING1	W1786	34-0665	05/30/08	13:08	0.2		20.6		7.3		293		188		7.9		89	
MRSPRING1	W1786	34-0666	06/04/08	14:01	0.2		20.5		7.6	i	300	i	192	i	8		90	
MRSPRING1	W1786	34-0767	06/27/08	13:15	0.3		22		7.4		246		157		7.6		89	
MRSPRING1	W1786	34-0768	07/02/08	13:26	0.4		26.2		8.7		223		143		6.8		85	
MRSPRING1	W1786	34-0899	07/25/08	16:05	0.4		22.1		6.9		140		90		8.2		96	
MRSPRING1	W1786	34-0900	07/30/08	14:12	--		24.8		7.4		165		106		7.4		91	
MRSPRING1	W1786	34-1010	09/05/08	13:59	--		23.6		8.3		324		207		7		83	
MRSPRING1	W1786	34-1011	09/10/08	11:09	--		20.1		--		--		--		8.6		95	
NBMAN1	W1797	34-0618	05/06/08	13:30	0.4		12.1		6.7		83		53		10.5		99	
NBMAN1	W1797	34-0720	06/03/08	14:33	0.2		16.5		7.1		110	i	70	i	10		104	
NBMAN1	W1797	34-0822	07/01/08	13:33	0.3		19.1		7.2		114		74		9.2		100	
NBMAN1	W1797	34-0954	07/29/08	14:08	--		19.9		6.8		90		58		8.2		92	
NBMAN1	W1797	34-1065	09/09/08	12:47	--		16.2		6.7		86		55		8.7		89	
ROAR1	W1788	34-0612	05/06/08	12:52	0.2		10.8		7.5		81		52		11.1		101	

Table 8. 2008 MassDEP, DWM Connecticut River Watershed Attended Multiprobe Data

Note: Descriptions of data qualifiers may be found in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature °C	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
ROAR1	W1788	34-0714	06/03/08	12:39	0.1		13.8		7.6		104		67		10.3		101	
ROAR1	W1788	34-0816	07/01/08	12:28	0.2		17.6		7.6		107		69		9.5		102	
ROAR1	W1788	34-0948	07/29/08	12:22	0.2		20.3		7.7		105		67		8.7		98	
ROAR1	W1788	34-1059	09/09/08	12:31	0.1		17.6		--		--		--		9		95	
RUSS1	W1802	34-0614	05/06/08	10:24	0.5		10.8		6.6		174		111		9.2		84	
RUSS1	W1802	34-0716	06/03/08	10:34	0.3		13.5		6.7		171	i	110	i	8.8		86	
RUSS1	W1802	34-0818	07/01/08	10:04	0.4		15.7		6.8		171		111		8.7		88	
RUSS1	W1802	34-0950	07/29/08	10:20	--		16		6.6		162		104		7.5		78	
RUSS1	W1802	34-1061	09/09/08	10:06	--		14.6		6.6		160		102		7.2		71	
SAW1	W1048	34-0609	05/06/08	11:06	0.4		10.4		6.9		67		43		11.2		101	
SAW1	W1048	34-0711	06/03/08	10:56	0.3		14.6		7		90		58		10.1		101	
SAW1	W1048	34-0813	07/01/08	11:02	0.3		18.5		7		89		57		9.3		102	
SAW1	W1048	34-0945	07/29/08	10:57	0.4		19.4		6.8		63		40		8.8		97	
SAW1	W1048	34-1056	09/09/08	10:58	1.7		18.7		--		--		--		9.2		100	
SCANT1	W1789	34-0623	05/06/08	12:54	0.5		12.4		6.5		86		55		10.6		100	
SCANT1	W1789	34-0725	06/03/08	12:34	0.2		15.9		7		101		66		10.2		103	
SCANT1	W1789	34-0827	07/01/08	12:39	0.8		19.3		6.9		101		66		9		97	
SCANT1	W1789	34-0851	07/09/08	13:49	--		22.1	s	--		--		--		--		--	
SCANT1	W1789	34-0959	07/29/08	13:14	0.8		19.3		6.8		79		51		##	i	##	i
SCANT1	W1789	34-1070	09/09/08	12:35	0.6		16.5		6.7		78		51		9.6		98	
SCANT1	W1789	34-0852	09/24/08	13:04	--		12.5	s	--		--		--		--		--	
SCANT2	W2059	34-0848	07/09/08	13:13	--		22.8	s	--		--		--		--		--	
SCANT2	W2059	34-0849	09/24/08	11:08	--		12.1	s	--		--		--		--		--	
STONY1	W1792	34-0653	05/30/08	10:21	0.2		17.3		7.4		178		114		9.3		99	
STONY1	W1792	34-0654	06/04/08	10:37	0.2		20		7.5	i	194	i	124	i	8.6		96	
STONY1	W1792	34-0755	06/27/08	10:02	0.3		20.1		7.5		153		98		8.8		100	
STONY1	W1792	34-0756	07/02/08	10:28	0.3		22.5		7.6		173		111		8.4		98	

Table 8. 2008 MassDEP, DWM Connecticut River Watershed Attended Multiprobe Data

Note: Descriptions of data qualifiers may be found in Appendix 1.

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature °C	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
STONY1	W1792	34-0887	07/25/08	11:29	0.4		21.7		6.9		92		59		8.6		99	
STONY1	W1792	34-0888	07/30/08	10:27	--		22.3		7.3		111		71		8.4		98	
STONY2	W1790	34-0621	05/06/08	11:14	0.1		13.1		6.6		138		88		8.5		83	
STONY2	W1790	34-0723	06/03/08	10:57	0		17.5		6.9		192		125		6.8		71	
STONY2	W1790	34-0825	07/01/08	10:52	0.1		21		6.8		187		122		5.5		61	
STONY2	W1790	34-0957	07/29/08	11:31	0.3		21.6		6.6		108		70		##	i	##	i
STONY2	W1790	34-1068	09/09/08	11:03	0.3		19.1		6.6		89		58		5.4		58	
TEMP 2	W2121	34-1077	07/15/09	15:32	--		16	s	--		--		--		--		--	
TEMP 2	W2121	34-1078	09/30/09	14:02	--		12.2	s	--		--		--		--		--	
TEMP1	W2058	34-0845	07/09/08	13:03	--		19.9	s	--		--		--		--		--	
TEMP1	W2058	34-0846	09/24/08	11:12	--		11.6	s	--		--		--		--		--	
WEST1	W1791	34-0650	05/30/08	9:47	0.2		12.8		7.1		264		169		10		96	
WEST1	W1791	34-0651	06/04/08	9:54	0.1		15.4		7.1	i	283	i	181	i	8.3		84	
WEST1	W1791	34-0752	06/27/08	9:24	0.1		17		7		262		168		7.9		83	
WEST1	W1791	34-0753	07/02/08	9:48	0.1		19.9		7.1		299		191		7.2		79	
WEST1	W1791	34-0884	07/25/08	10:35	0.4		19.7		6.4		129		83		5.9		65	
WEST1	W1791	34-0885	07/30/08	9:44	--		18.9		6.6		189		121		5.9		64	
WEST1	W1791	34-1004	09/05/08	10:29	--		18.3		7.1		342		219		7.6		82	
WEST1	W1791	34-1005	09/10/08	9:24	--		15.7		--		--		--		6.9		71	
WILLA1	W1798	34-0622	05/06/08	11:42	0	i	14		7.1		302		194		10.2		100	
WILLA1	W1798	34-0724	06/03/08	11:26	0.1		15.6		7.4		318		207		10.4		104	
WILLA1	W1798	34-0826	07/01/08	11:19	0.1		17.3		7.2		314		204		9.5		99	
WILLA1	W1798	34-0958	07/29/08	12:16	0.1		19		7.3		294		191		##	i	##	i
WILLA1	W1798	34-1069	09/09/08	11:36	0.3		17.2	u	6.9		##	u	##	u	10.4		108	

Table 9. 2008 MassDEP, DWM Connecticut River Watershed Deployed Multiprobe Data

Note: Descriptions of data qualifiers may be found in Appendix 1.

Station ID	Unique ID	OWMID	Start Date	Deployment Duration (Hours)	Minimum Dissolved Oxygen (mg/l)	Average Dissolved Oxygen (mg/L)	Amount of Time < 5.0 mg/L (Hours)	Percentage of Time < 5.0 mg/L (%)	Amount of Time < 6.0 mg/L (Hours)	Percentage of Time < 6.0 mg/L (%)	Minimum Saturation (%)	Average Saturation (%)	Maximum Saturation (%)
BACH1	W1052	34-0655	05/30/08	120.0	7.9	8.4	0	0	0	0	88.3	92.8	102.4
BACH1	W1052	34-0757	06/27/08	119.5	7.1	7.8	0	0	0	0	85.2	92.4	103.8
BACH1	W1052	34-0889	07/25/08	118.5	6.7	7.5	0	0	0	0	79.7	87.4	94.2
BB01	W1063	34-0631	05/30/08	119.0	0.2	0.2	119	100	119	100	2	2.0	4.6
BB01	W1063	34-0733	06/27/08	119.0	1.0	2.4	102.8	86.4	119	100	11.5	26.9	65
BB01	W1063	34-0865	07/25/08	119.5	1.5	3.9	86.4	72.3	119.5	100	16.8	43.0	63.1
CTBERN	W1799	34-0625	05/30/08	119.5	8.7	9.4	0	0	0	0	94.2	103.1	106.1
CTBERN	W1799	34-0727	06/27/08	119.0	8.0	8.5	0	0	0	0	92.6	98.0	104
CTBERN	W1799	34-0859	07/25/08	119.5	7.9	9.1	0	0	0	0	90.8	103.0	114.4
CTRT9	W1784	34-0640	05/30/08	119.0	8.5	9.0	0	0	0	0	94.2	99.6	106.5
CTRT9	W1784	34-0742	06/27/08	118.0	7.9	8.2	0	0	0	0	91.3	96.1	100.8
CTRT9	W1784	34-0874	07/25/08	119.0	8.1	8.9	0	0	0	0	93.6	100.4	105.2
DRY1	W1785	34-0628	05/30/08	119.5	8.3	9.0	0	0	0	0	87.1	92.7	103.2
DRY1	W1785	34-0730	06/27/08	119.5	7.5	8.2	0	0	0	0	85.4	89.9	98.1
DRY1	W1785	34-0862	07/25/08	119.5	7.7	8.1	0	0	0	0	82.4	88.0	94.2
FORT2	W1051	34-0637	05/30/08	119.0	7.4	8.0	0	0	0	0	78.6	84.1	93.7
FORT2	W1051	34-0739	06/27/08	118.5	7.0	7.5	0	0	0	0	81.2	84.6	89.8
FORT2	W1051	34-0871	07/25/08	119.5	6.2	7.1	0	0	0	0	70.4	79.7	85.8
LAMP1	W1055	34-0646	05/30/08	119.5	7.7	8.7	0	0	0	0	83.3	89.2	99.7
LAMP1	W1055	34-0748	06/27/08	119.5	7.4	8.1	0	0	0	0	79.6	89.7	94.3
LAMP1	W1055	34-0880	07/25/08	118.5	6.1	7.8	0	0	0	0	68.2	85.6	96.3
LAMP1	W1055	34-1000	09/05/08	38.5	7.5	8.0	0	0	0	0	83.5	89.5	95.2
LM1	W1794	34-0667	05/30/08	120.5	5.7	7.3	0	0	8.4	7.0	59.1	79.6	105.9
LM1	W1794	34-0769	06/27/08	120.0	5.0	6.4	0.9	0.8	42.3	35.3	57.8	74.6	101.7
LM1	W1794	34-0901	07/25/08	117.0	6.1	6.9	0	0	0	0	68.9	79.0	92.8
LM1	W1794	34-1012	09/05/08	116.5	6.4	7.3	0	0	0	0	73.5	81.8	95.2
MAN2	W1065	34-0661	05/30/08	118.5	7.9	8.5	0	0	0	0	84.2	90.3	101.2
MAN2	W1065	34-0763	06/27/08	120.0	7.0	7.6	0	0	0	0	80.9	87.1	93.3
MAN2	W1065	34-0895	07/25/08	117.5	6.9	7.7	0	0	0	0	79.7	87.5	94.3
MRHAD1	W1050	34-0634	05/30/08	119.5	6.9	8.2	0	0	0	0	72.4	84.7	98
MRHAD1	W1050	34-0736	06/27/08	82.5	5.7	6.8	0	0	4.0	4.8	63	75.1	84.5
MRHAD1	W1050	34-0868	07/25/08	59.5	5.1	6.0	0	0	26.1	43.9	56.6	66.8	75.1
MRHAD1	W1050	34-1006	09/05/08	9.0	7.7	8.0	0	0	0	0	86.3	91.3	93.9
MRHAT3	W1061	34-0643	05/30/08	119.0	6.8	7.8	0	0	0	0	74.5	84.6	98.4
MRHAT3	W1061	34-0745	06/27/08	118.5	6.5	7.1	0	0	0	0	75.7	81.7	89.8
MRHAT3	W1061	34-0877	07/25/08	120.0	7.3	7.8	0	0	0	0	84.4	88.9	93.1
MRNOHAM1	W1796	34-0658	05/30/08	120.0	9.0	9.7	0	0	0	0	96.3	101.1	108.7
MRNOHAM1	W1796	34-0760	06/27/08	119.5	8.3	8.8	0	0	0	0	96.1	99.7	106.1
MRNOHAM1	W1796	34-0892	07/25/08	118.0	8.4	8.9	0	0	0	0	95.3	98.5	103.3
MRSPRING1	W1786	34-0664	05/30/08	34.0	7.9	8.2	0	0	0	0	87.1	89.3	91.2
MRSPRING1	W1786	34-0766	06/27/08	119.0	6.9	7.5	0	0	0	0	85.7	90.2	95.3
MRSPRING1	W1786	34-0898	07/25/08	117.5	7.6	8.2	0	0	0	0	90.9	96.1	98.4
MRSPRING1	W1786	34-1009	09/05/08	117.0	7.4	8.4	0	0	0	0	89.4	96.5	99.8
STONY1	W1792	34-0652	05/30/08	120.0	8.4	8.9	0	0	0	0	97.6	99.8	104.2
STONY1	W1792	34-0754	06/27/08	119.5	7.7	8.1	0	0	0	0	95	96.2	97.3
STONY1	W1792	34-0886	07/25/08	118.5	7.9	8.3	0	0	0	0	94	96.5	100.3
WEST1	W1791	34-0649	05/30/08	119.5	7.0	8.1	0	0	0	0	73.7	83.8	98.1
WEST1	W1791	34-0751	06/27/08	120.0	5.1	6.4	0	0	24.5	20.5	57.5	71.5	83.9
WEST1	W1791	34-0883	07/25/08	118.5	5.1	5.6	0	0	112.8	95.2	58.5	62.8	68.9
WEST1	W1791	34-1003	09/05/08	118.5	5.8	6.8	0	0	11.4	9.6	63.6	73.5	86.8

Table 10. 2008 MassDEP, DWM Connecticut River Watershed Temperature Data

Note: Data qualifier descriptions appear in Appendix1. Temperature data sourced from both deployed multiprobes and deployed temperature loggers.

Station ID	Unique ID	OWMID	Start Date	Deployment Duration (hours)	Mean Temperature °C	Maximum Temperature °C	Mean of the Daily Maximum Temperature °C	Amount of time temperature greater than 20 °C (Hours)	Percent of time temperature greater than 20 °C (%)	Amount of time temperature greater than 28.3 °C (Hours)
BACH1	W1052	34-0655	05/30/08	120	19.5	21.7	20.9	41.0	34.2	0
BACH1	W1052	34-0757	06/27/08	119.5	22.9	24.5	24.2	119.5	100.0	0
BACH1	W1052	34-0889	07/25/08	118.5	22.6	24.1	23.8	118.5	100.0	0
BB01	W1063	34-0631	05/30/08	119	14.2	14.9	14.5	0.0	0.0	0
BB01	W1063	34-0733	06/27/08	119	19.0	21.0	19.7	23.5	19.8	0
BB01	W1063	34-0865	07/25/08	119.5	19.8	21.2	20.1	44.9	37.6	0
Butt1	W2060	34-0853	07/09/08	2131.5	18.8	24.8	20.0	706.5	33.1	0
Butt2	W2061	34-0856	07/09/08	2131.5	18.7	24.6	19.9	701.8	32.9	0
CTBERN	W1799	34-0625	05/30/08	119.5	19.2	20.2	19.7	6.8	5.7	0
CTBERN	W1799	34-0727	06/27/08	119	21.6	22.5	22.2	119.0	100.0	0
CTBERN	W1799	34-0829	06/27/08	1852	22.2	26.8	22.7	1671.2	90.2	0
CTBERN	W1799	34-0859	07/25/08	119.5	20.7	22.1	21.1	104.3	87.2	0
CTRT9	W1784	34-0640	05/30/08	119	19.5	20.5	20.0	26.2	22.0	0
CTRT9	W1784	34-0742	06/27/08	118	22.0	23.0	22.7	118.0	100.0	0
CTRT9	W1784	34-0832	06/27/08	1677.5	22.9	27.9	23.5	1546.0	92.2	0
CTRT9	W1784	34-0874	07/25/08	119	20.9	22.0	21.2	119.0	100.0	0
DRY1	W1785	34-0628	05/30/08	119.5	16.0	18.6	17.9	0.0	0.0	0
DRY1	W1785	34-0730	06/27/08	119.5	19.2	22.4	21.4	39.9	33.3	0
DRY1	W1785	34-0862	07/25/08	119.5	18.5	20.7	19.6	9.7	8.1	0
FALL1	W1782	34-0835	07/01/08	1535.5	17.5	23.0	19.0	171.4	11.2	0
FORT2	W1051	34-0637	05/30/08	119	17.4	19.3	18.5	0.0	0.0	0
FORT2	W1051	34-0739	06/27/08	118.5	20.4	22.4	21.7	80.4	67.9	0
FORT2	W1051	34-0871	07/25/08	119.5	20.5	21.4	21.0	98.5	82.4	0
LAMP1	W1055	34-0646	05/30/08	119.5	16.0	19.0	18.3	0.0	0.0	0
LAMP1	W1055	34-0748	06/27/08	119.5	19.4	22.2	21.7	42.1	35.2	0
LAMP1	W1055	34-0880	07/25/08	118.5	19.3	21.8	21.1	37.5	31.6	0
LAMP1	W1055	34-1000	09/05/08	118.5	18.9	22.0	19.7	31.0	26.2	0
LM1	W1794	34-0667	05/30/08	120.5	18.8	21.8	20.8	29.0	24.1	0
LM1	W1794	34-0769	06/27/08	120	22.0	25.8	25.2	106.8	89.0	0
LM1	W1794	34-0901	07/25/08	117	21.5	24.7	23.8	91.7	78.3	0
LM1	W1794	34-1012	09/05/08	116.5	20.1	23.6	21.6	66.6	57.2	0
MAN2	W1065	34-0661	05/30/08	120.5	17.6	19.1	18.4	0.0	0.0	0
MAN2	W1065	34-0763	06/27/08	120	20.9	22.5	21.9	95.0	79.2	0
MAN2	W1065	34-0895	07/25/08	117.5	21.0	22.3	21.7	99.8	84.9	0
MRHAD1	W1050	34-0634	05/30/08	119.5	16.5	18.3	18.0	0.0	0.0	0
MRHAD1	W1050	34-0736	06/27/08	119	19.3	20.9	20.3	29.6	24.9	0
MRHAD1	W1050	34-0868	07/25/08	120	19.7	20.7	20.4	37.2	31.0	0
MRHAD1	W1050	34-1006	09/05/08	12.5	20.9	21.4	--	12.4	99.6	0
MRHAT2	W2057	34-0841	06/27/08	1630.5	21.2	25.4	22.3	1174.3	72.0	0
MRHAT3	W1061	34-0643	05/30/08	119	18.7	20.3	19.6	7.9	6.7	0
MRHAT3	W1061	34-0745	06/27/08	118.5	21.6	23.4	22.8	101.2	85.4	0
MRHAT3	W1061	34-0838	06/27/08	1773.5	21.7	25.6	22.5	1481.7	83.5	0
MRHAT3	W1061	34-0877	07/25/08	120	21.4	22.8	22.0	112.6	93.8	0
MRNOHAM1	W1796	34-0658	05/30/08	120	17.0	19.0	18.3	0.0	0.0	0
MRNOHAM1	W1796	34-0760	06/27/08	119.5	20.3	22.4	21.8	76.2	63.7	0
MRNOHAM1	W1796	34-0892	07/25/08	118	19.9	21.7	21.0	59.6	50.5	0
MRSPRING1	W1786	34-0664	05/30/08	120.5	20.0	22.0	20.9	59.2	49.1	0

Table 10. 2008 MassDEP, DWM Connecticut River Watershed Temperature Data

Note: Data qualifier descriptions appear in Appendix1. Temperature data sourced from both deployed multiprobes and deployed temperature loggers.

Station ID	Unique ID	OWMID	Start Date	Deployment Duration (hours)	Mean Temperature °C	Maximum Temperature °C	Mean of the Daily Maximum Temperature °C	Amount of time temperature greater than 20 °C (Hours)	Percent of time temperature greater than 20 °C (%)	Amount of time temperature greater than 28.3 °C (Hours)
MRSPRING1	W1786	34-0766	06/27/08	119.5	23.5	26.2	24.6	119.5	100.0	0
MRSPRING1	W1786	34-0898	07/25/08	117.5	22.8	25.6	23.3	117.5	100.0	0
MRSPRING1	W1786	34-1009	09/05/08	117	21.7	24.9	22.6	111.5	95.3	0
SCANT1	W1789	34-0850	07/09/08	1847	17.9	23.1	18.8	309.1	16.7	0
SCANT2	W2059	34-0847	07/09/08	1845.5	17.9	24.1	19.2	306.9	16.6	0
STONY1	W1792	34-0652	05/30/08	120	20.3	22.4	21.6	72.1	60.0	0
STONY1	W1792	34-0754	06/27/08	119.5	23.0	25.1	24.6	119.5	100.0	0
STONY1	W1792	34-0886	07/25/08	118.5	22.1	23.6	22.9	118.5	100.0	0
TEMP 2	W2121	34-1076	07/15/09	1846	16.5	21.8	17.6	147.3	8.0	0
TEMP1	W2058	34-0844	07/09/08	1282	17.6	21.7	18.3	67.6	5.3	0
WEST1	W1791	34-0649	05/30/08	119.5	16.5	20.3	19.3	3.5	2.9	0
WEST1	W1791	34-0751	06/27/08	120	20.0	22.9	22.2	53.6	44.7	0
WEST1	W1791	34-0883	07/25/08	118.5	20.0	21.8	21.2	55.6	46.9	0
WEST1	W1791	34-1003	09/05/08	118.5	18.7	21.3	19.5	15.9	13.5	0

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APPENDIX 1: 2008 DATA SYMBOLS AND QUALIFIERS

Excerpted from: Water Quality Data Validation Report for Year 2008 Project Data (CN 361.0)

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 reagant 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