

Technical Memorandum

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

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Introduction

The Housatonic Watershed water quality survey was conducted in 2007, along with benthic macroinvertebrate sampling and fish population sampling as part of the Division of Watershed Management (DWM) programmatic monitoring (MassDEP 2005a). This technical memorandum reports the water quality data from that survey. Biological data (benthic macroinvertebrate and fish population) are reported in other memoranda. Consistent with DWM's approach to watershed monitoring to meet defined programmatic objectives, water quality surveys were conducted during the months of May, June, July, August, and September. Table 1 provides details and locations regarding these sampling events.

Project Objectives

The specific objectives of the 2007 Housatonic Watershed monitoring were to:

- Provide biological and habitat data to document the status of benthic and fish communities over time (trend monitoring).
- Provide biological, habitat, and dissolved oxygen, temperature, and chemical data to DWM's Environmental Monitoring and Assessment Program to be used in making *Aquatic Life* and *Aesthetics* use assessments required by Section 305(b) of the Clean Water Act; provide data for other informational needs of Massachusetts regulatory agencies.
- Provide quality assured *E. coli* bacteria data for the purpose of assessing *Primary* and *Secondary Contact Recreation* uses.

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

Sampling Plan

Samples for total phosphorous, total nitrogen, ammonia-nitrogen, total suspended solids, color, turbidity, *E. coli* bacteria counts, dissolved oxygen and other field measurements were obtained from a total of 30 stations. Water quality surveys (grab samples and in-situ measurements) were conducted on the following dates: May 8th, June 12th, July 17th, August 21st and September 25th. Additionally, continuous temperature and dissolved oxygen monitoring with unattended multi-probes was carried out for consecutive 96 hour periods at 21 sites. Further descriptions of watershed monitoring activities within the Housatonic River Watershed may be found in the Sampling and Analysis Plan (MassDEP. 2007a.).

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), and CN 101.1 – *Ambient Trace Metal Sampling* (MassDEP 2007b). 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 multi-probe 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 Data Collection* (MassDEP 2007c).

Table 1. MassDEP DWM 2007 Housatonic River Watershed Sampling Station Descriptions and Sampling Matrix

River/Stream	Unique ID*	Station	Monitoring Site Description (sample type**)
Anthony Brook	W1576	AB01	North Mountain Road, Dalton (6)
Beartown Brook	W1567	BT01	Meadow St., Lee (1,2,4,5)
E. Br. Housatonic R.	W1572	EB01A	Old Windsor Road, Dalton (1,4,5)
E. Br. Housatonic R.	W1574	EB01B	Route 8 crossing in Dalton nearest the Hinsdale border (3)
E. Br. Housatonic R.	W1107	02B	Downstream of Pomeroy Ave., Pittsfield (1,2,4,5)
E. Br. Housatonic R.	W1726	O2BFF	Pomeroy Avenue, Pittsfield (1,2)
E. Br. Housatonic R.	W1724	Crane1	~150 feet downstream from the first dam upstream of South Street, Dalton (3)
E. Br. Housatonic R.	W1725	Crane2	Housatonic Street, Dalton (3)
E. Br. Housatonic R.	W1727	Crane3	Route 8, Dalton (3)
Egypt Brook	W1603	EG01	Holiday Road, Dalton (6)
Goose Pond Brook	W1110	07B	Tyringham Road, Lee (1,4,5)
Green River	W1112	23A	Rte 23/41, Great Barrington (1,4,5)
Hop Brook	W1115	HB	Meadow Street, Lee (1,2,4,5)
Housatonic River	W1105	04B	Holmes Road, Pittsfield (1,2,4,5)
Housatonic River	W1104	04C	New Lenox Road, Lenox (1,2,4,5)
Housatonic River	W1103	19A	~360 ft upstream of Valley Street, Lenox (1,4,5)
Housatonic River	W1102	19C	Downstream of Lee WWTP discharge, Lee (4,5)
Housatonic River	W1101	19E	Upstream of RR bridge east of Route 183, Stockbridge (1,2,4,5)
Housatonic River	W1100	20A	Division Street, Great Barrington (1,3,4,5)
Housatonic River	W1099	20D	Kellogg Road, Sheffield (1,2,3,4,5)
Housatonic River	W1566	20F	Rannapo Road, Sheffield (2,4,5)
Hubbard Brook	W1113	15A	Route 7, Sheffield (1,2,3,4,5)
Hubbard Brook	W1571	15C	Upstream of Egremont Road, Sheffield (1,3)
Konkapot River	W0377	KR07	East side at Clayton Mill River Road, New Marlborough (1,4,5)
Konkapot River	W0375	KR05	Upstream Konkapot Road, New Marlborough (1,4,5)
Konkapot River	W0371	KR01	Downstream of Route 7A bridge, Sheffield (1,2,4,5)
Larrywaug Brook	W1561	LW01	South of Route 90, between Route 183 and the old stone bridge abutments upstream of road, Stockbridge (1,2,4,5)
Onota Brook	W1570	OB01	Most downstream crossing of Peck's Road, Pittsfield (1,2,4,5)
Rawson Brook	W1569	RA01	~925 feet upstream from Wellman Road, Monterey (1,2,4,5)
Sackett Brook	W1563	SA01	East New Lenox Rd, Pittsfield (1,3,4,5)
Schenob Brook	W1559	SC01	Upstream of Miller Ave., Sheffield (1,2,4,5)
SW Br. Housatonic R.	W1573	SWB01	downstream from railroad bridge west of Clapp Park, Pittsfield (1,2,3,4,5)
Town Brook	W1562	TB01	Upstream of unnamed tributary confluence at Miner Road, Lanesborough (1,2,4,5)
Town Brook	W1723	TB01A	Downstream at Miner Road, Lanesborough (1,2)
Wahconah Falls Brook	W1568	WF02	Most downstream crossing of Route 9/8A, Dalton (1,4,5)
Washington Mt. Brook	W1564	WM01	Most downstream crossing of Washington Mountain Road, Lee (1,4,5)
West Br. Housatonic R.	W1575	HW01	~630 feet downstream from Route 20, Pittsfield (1,2,3,4,5)
Williams River	W1098	06A	Division St., Great Barrington (1,2,3,4,5)
Williams River	W1560	06B	~400 feet downstream of East Alford Road, West Stockbridge (1,2,3,4,5)

* Use Ctrl+Click on Unique ID to follow link to Google Maps application

** 1=Attended multi-probe, 2=Deployed multi-probe, 3=Temperature Probe, 4=Nutrients/Color/Turbidity, 5=Bacteria, 6= Dissolved metals

Concurrent with the collection of water quality samples, site characteristics and sampling conditions were recorded on 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 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 4.4 - *Multi-probe Deployments for Unattended Logging* (MassDEP 2004b).

The DWM quality assurance and database management staff reviewed lab data reports and all multi-probe data. The data were validated and finalized per procedures outlined in CN 56.6 - *DWM Water Quality Data Processing and Validation* (MassDEP 2012a). 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 2007 DWM data is provided in CN 320.0 – *Water Quality Data Validation Report for Year 2007 Project Data* (MassDEP 2012b). Appendix 1 of this technical memorandum contains definitions for all data qualifiers.

Station Observations

Station observations were recorded on field sheets for each survey by a DWM investigator. Station observations are described in Table 2 for each DWM sampling event.

Sampling Issues and Coordinator Notes

The Housatonic sampling effort for 2007 generally followed the proposed sampling set forth in the SAP (MassDEP 2007a). Some monitoring was added in response to conditions observed in the field, particularly in the Williams River. Excessive algal growth noted at stations 06A and 06B resulted in benthic macroinvertebrate and periphyton monitoring also being conducted at these two stations, in addition to the original plan for fish population sampling due to temperature concerns.

At Washington Mountain Brook, station WM01, dense and pervasive “blue-grey” color filamentous algae was reported by crew leads towards the latter part of the sampling season. Benthic macroinvertebrate sampling had been planned, and a fish population survey was added at this station to check for possible impacts indicated by the algae growth. This stream had not been previously designated as a segment and no previous water quality data had been collected. The source of the algae remains unclear—possible influence to this otherwise forested watershed include an old dumping area, houses/trailers located close to the stream bank upstream, a lack of riparian vegetation upstream, and natural causes. Investigations upstream of the sampling location on foot did not directly rule out or implicate any of these sources.

Although the Massachusetts surface water quality standards generally apply bacteria criteria seasonally from April 1 – October 15, given the high flows and low water temperatures in this watershed in spring, it may be advisable to delay bacteria sampling until mid May and thereafter. Sampling for bacteria between mid May and the end of September may be more representative of favorable conditions for recreational contact.

Table 2. 2007 Field observations from 2007 MA DEP DWM surveys of the Housatonic River Watershed

Site	Date	Odor	Water Clarity	Aquatic Plants	Periphyton	Floating Scum	Obj. Deposits	Comments
02B	5/8/07	Musty (basement)	Slightly Turbid	None	None	No	No	
02B	6/12/07	Musty (basement)	Highly Turbid/murky	Unobservable	Unobservable	No	No	
02B	7/17/07	Musty (basement)	Clear	None	Sparse	No	No	
02B	8/21/07	Musty (basement)	Clear	None	None	No	No	
02B	9/25/07	Musty (basement)	Slightly Turbid	None	Sparse	No	No	
04B	5/8/07	Musty (basement)	Clear	None	Sparse	No	No	
04B	6/12/07	Musty (basement)	Slightly Turbid	None	Moderate	No	No	
04B	7/17/07	Musty (basement)	Slightly Turbid	None	Moderate	Yes	No	Scum: Thin pollen/dust blanket
04B	8/21/07	Musty (basement)	Clear	None	Moderate	No	No	
04B	9/25/07	Musty (basement)	Slightly Turbid	None	Dense	No	No	
04C	5/8/07	None	Slightly Turbid	None	Unobservable	No	No	
04C	6/12/07	Musty (basement)	Highly Turbid/murky	Unobservable	Unobservable	No	No	
04C	7/17/07	Musty (basement)	Highly Turbid/murky	None	Very Dense	No	Yes	Obj. Deposits: Trash. Periphyton: Very dense film.
04C	8/21/07	Musty (basement)	Moderately Turbid	Blank	Very Dense	No	No	Periphyton: Very dense film on rocks.
04C	9/25/07	Musty (basement)	Highly Turbid/murky	Blank	Unobservable	No	No	
06A	5/8/07	None	Slightly Turbid	None	None	No	No	
06A	6/12/07	Blank	Slightly Turbid	None	Moderate	No	No	
06A	7/17/07	None	Slightly Turbid	None	Moderate	No	No	
06A	8/21/07	None	Clear	None	Very Dense	No	No	Periphyton: Very dense brown loose floc on rocks
06A	9/25/07	None	Clear	None	Moderate	No	No	
06B	5/8/07	None	Slightly Turbid	None	Sparse	Blank	No	
06B	6/12/07	Musty (basement)	Clear	None	Unobservable	No	No	
06B	7/17/07	Musty (basement)	Clear	None	Moderate	No	No	
06B	8/21/07	Musty (basement)	Clear	None	Very Dense	No	Yes	Obj. Deposits: Trash. Periphyton: Very dense brown loose floc on rocks, plants, woody debris, and bottom
06B	9/25/07	None	Clear	None	Very Dense	No	No	Periphyton: Very dense brown filamentous algae

Site	Date	Odor	Water Clarity	Aquatic Plants	Periphyton	Floating Scum	Obj. Deposits	Comments
07B	5/8/07	None	Clear	None	None	No	Yes	Obj. Deposits: Trash.
07B	6/12/07	None	Clear	None	None	No	No	
07B	7/17/07	None	Clear	None	None	No	No	
07B	8/21/07	None	Clear	None	Moderate	No	No	
07B	9/25/07	None	Clear	None	Sparse	No	No	
15A	5/8/07	None	Clear	Unobservable	Unobservable	No	No	
15A	6/12/07	None	Slightly Turbid	None	None	No	No	
15A	7/17/07	None	Clear	None	None	No	No	
15A	8/21/07	None	Slightly Turbid	None	Sparse	No	No	
15A	9/25/07	None	Slightly Turbid	Unobservable	Moderate	No	No	
19A	5/8/07	Musty (basement)	Slightly Turbid	None	Dense	No	Yes	Obj. Deposits: Slight trash.
19A	6/12/07	Musty (basement)	Slightly Turbid	None	Dense	No	No	
19A	7/17/07	None	Slightly Turbid	None	Dense	No	No	
19A	8/21/07	None	Slightly Turbid	None	Moderate	Yes	Yes	Scum: Foam. Obj. Deposits: Trash.
19A	9/25/07	Other	Clear	Sparse	Dense	Yes	No	Scum: Foam. Natural or from upstream discharge. Comment: Smell (other) indicated as orange juice
19C	5/8/07	None	Slightly Turbid	None	Dense	No	No	
19C	6/12/07	Musty (basement)	Slightly Turbid	Sparse	Moderate	No	No	
19C	7/17/07	None	Clear	Sparse	Very Dense	No	No	Periphyton: Very dense filamentous algae on bottom.
19C	8/21/07	Musty (basement)	Clear	Moderate	Very Dense	No	No	Periphyton: Very dense green/brown filamentous algae on bottom.
19C	9/25/07	Musty (basement)	Clear	Sparse	Very Dense	Yes	No	Plants: Millfoil, grasslike sp., sagittaria, duckweed. Scum: Duckweed. Periphyton: Very Dense brown floc on bottom
19E	5/8/07	None	Slightly Turbid	None	Moderate	No	Yes	Obj. Deposits: Trash.
19E	6/12/07	Musty (basement)	Slightly Turbid	Unobservable	Dense	No	No	
19E	7/17/07	Blank	Slightly Turbid	Sparse	Moderate	No	No	
19E	8/21/07	Musty (basement)	Slightly Turbid	None	Moderate	Yes	Yes	Scum: Foam ripples upstream. Obj. Deposits: Trash
19E	9/25/07	Fishy, Musty (basement)	Clear	None	Very Dense	Yes	No	Scum: Foam- likely natural. Periphyton: Very dense green filamentous algae

Site	Date	Odor	Water Clarity	Aquatic Plants	Periphyton	Floating Scum	Obj. Deposits	Comments
20A	5/8/07	None	Moderately Turbid	None	Dense	No	Yes	Obj. Deposits: Some trash.
20A	6/12/07	None	Slightly Turbid	None	Very Dense	No	No	Periphyton: Very dense loose floc on rocks, bottom, and woody debris.
20A	7/17/07	None	Slightly Turbid	Sparse	Moderate	No	No	
20A	8/21/07	None	Slightly Turbid	None	Dense	No	No	
20A	9/25/07	Musty (basement)	Clear	Sparse	Sparse	Yes	No	Plants: Millfoil, potamogeton sp., possible curly leaf pondweed. Scum: Foam- likely natural
20D	5/8/07	None	Clear	None	None	No	No	
20D	6/12/07	None	Clear	None	None	No	No	
20D	7/17/07	None	Clear	None	None	No	No	
20D	8/21/07	None	Clear	None	Sparse	No	Yes	Obj. Deposits: Trash on banks
20D	9/25/07	None	Clear	None	Sparse	No	No	
20F	5/8/07	None	Slightly Turbid	Unobservable	Unobservable	No	Blank	
20F	6/12/07	None	Slightly Turbid	Unobservable	Unobservable	No	No	
20F	7/17/07	None	Moderately Turbid	Unobservable	Unobservable	No	No	
20F	8/21/07	Unobservable	Slightly Turbid	Unobservable	Unobservable	Yes	No	Scum: Algal mat. Algal mat along inside of bend downstream of bridge. About 20 feet wide and 50 ft long. Not sufficient to impair any uses.
20F	9/25/07	None	Slightly Turbid	Sparse	Unobservable	No	No	
23A	5/8/07	None	Clear	None	Sparse	No	No	
23A	6/12/07	None	Clear	None	Blank	No	No	
23A	7/17/07	None	Clear	None	Sparse	No	No	
23A	8/21/07	None	Clear	None	Moderate	No	No	
23A	9/25/07	None	Clear	None	Moderate	No	No	
AB01	7/18/07	None	Clear	None	Moderate	No	No	
AB01	8/22/07	None	Clear	None	Sparse	No	No	
AB01	9/18/07	None	Clear	None	None	No	No	
BT01	5/8/07	None	Clear	None	None	No	No	
BT01	6/12/07	None	Slightly Turbid	None	None	No	No	
BT01	7/17/07	None	Clear	None	Sparse	No	No	
BT01	8/21/07	None	Clear	None	Moderate	No	No	
BT01	9/25/07	None	Clear	None	Moderate	No	No	

Site	Date	Odor	Water Clarity	Aquatic Plants	Periphyton	Floating Scum	Obj. Deposits	Comments
EB01A	5/8/07	None	Clear	None	Dense	No	No	
EB01A	6/12/07	None	Slightly Turbid	None	Dense	No	No	
EB01A	7/17/07	None	Clear	None	Very Dense	No	No	Periphyton: Very dense film.
EB01A	8/21/07	Musty (basement)	Slightly Turbid	Blank	Dense	No	No	
EB01A	9/25/07	None	Clear	None	Very Dense	No	No	Periphyton: Very dense brown film on rocks
EG01	7/18/07	None	Clear	None	Sparse	No	No	
EG01	8/22/07	None	Clear	None	Sparse	No	No	
EG01	9/18/07	None	Clear	None	Sparse	No	No	
HB	5/8/07	None	Clear	None	None	No	No	
HB	6/12/07	None	Slightly Turbid	None	Unobservable	No	No	
HB	7/17/07	None	Slightly Turbid	Sparse	None	No	No	
HB	8/21/07	Musty (basement)	Slightly Turbid	None	Unobservable	No	No	
HB	9/25/07	None	Clear	Sparse	Unobservable	No	No	
HW01	5/8/07	None	Clear	None	Moderate	No	No	Obj. Deposits: Trash on banks but not in water.
HW01	6/12/07	Musty (basement)	Slightly Turbid	None	Very Dense	No	No	Periphyton: Very dense film on rocks.
HW01	7/17/07	Musty (basement)	Slightly Turbid	None	Sparse	No	Yes	Obj. Deposits: Trash.
HW01	8/21/07	Musty (basement)	Clear	None	Very Dense	No	Yes	Obj. Deposits: Trash. Periphyton: Very dense film on bottom
HW01	9/25/07	Musty (basement)	Slightly Turbid	None	Very Dense	No	No	Periphyton: Very dense brown film on rocks. Comments: Multiple probe deployment fieldsheets indicate presence of trash sufficient to impair aesthetics at this site.
KR01	5/8/07	None	Clear	None	Sparse	No	No	
KR01	6/12/07	None	Clear	None	Sparse	No	Yes	Obj. Deposits: Trash.
KR01	7/17/07	None	Clear	None	Moderate	No	No	
KR01	8/21/07	None	Clear	None	Moderate	No	No	
KR01	9/25/07	None	Clear	None	Sparse	No	No	
KR05	5/8/07	None	Blank	None	Moderate	No	No	
KR05	6/12/07	None	Clear	None	Sparse	No	Yes	Obj. Deposits: Trash.
KR05	7/17/07	None	Clear	None	Sparse	No	No	
KR05	8/21/07	None	Clear	None	Sparse	No	No	
KR05	9/25/07	None	Clear	None	Moderate	No	No	
KR07	5/8/07	None	Clear	None	Sparse	No	No	

Site	Date	Odor	Water Clarity	Aquatic Plants	Periphyton	Floating Scum	Obj. Deposits	Comments
KR07	6/12/07	None	Clear	None	None	No	Yes	Obj. Deposits: Trash.
KR07	7/17/07	None	Clear	None	Sparse	No	No	
KR07	8/21/07	None	Clear	None	Dense	No	No	
KR07	9/25/07	None	Clear	None	Moderate	No	No	
LW01	5/8/07	Musty (basement)	Clear	None	Sparse	No	No	
LW01	6/12/07	Musty (basement)	Slightly Turbid	None	Sparse	No	No	
LW01	7/17/07	None	Slightly Turbid	None	Sparse	No	No	
LW01	8/21/07	Musty (basement)	Clear	None	None	No	Yes	Obj. Deposits: Trash.
LW01	9/25/07	Musty (basement)	Clear	None	None	Yes	No	Scum: Foam
OB01	5/8/07	None	Clear	None	Dense	No	No	
OB01	6/12/07	Fishy	Slightly Turbid	None	Dense	No	No	
OB01	7/17/07	Musty (basement)	Clear	None	Moderate	No	Yes	Obj. Deposits: Trash.
OB01	8/21/07	Musty (basement)	Clear	Sparse	Moderate	No	No	
OB01	9/25/07	None	Clear	None	Sparse	No	No	
RA01	5/8/07	None	Clear	None	Sparse	No	No	
RA01	6/12/07	None	Clear	Sparse	Sparse	No	No	
RA01	7/17/07	None	Clear	Sparse	Sparse	No	No	
RA01	8/21/07	None	Clear	None	Moderate	No	No	
RA01	9/25/07	None	Clear	Sparse	Moderate	No	No	
SA01	5/8/07	None	Clear	None	None	No	No	
SA01	6/12/07	Musty (basement)	Slightly Turbid	Blank	Dense	No	No	
SA01	7/17/07	None	Clear	None	Sparse	No	Yes	Obj. Deposits: Trash.
SA01	8/21/07	None	Clear	None	Moderate	No	No	
SA01	9/25/07	None	Clear	None	Dense	No	No	
SC01	5/8/07	None	Blank	None	Sparse	No	No	
SC01	6/12/07	None	Slightly Turbid	None	Unobservable	No	Yes	Obj. Deposits: Trash- street sign.
SC01	7/17/07	None	Slightly Turbid	None	Moderate	No	No	
SC01	8/21/07	None	Clear	None	None	No	Yes	Obj. Deposits: Oily sheen oozing from bank.
SC01	9/25/07	None	Clear	None	Sparse	No	No	
SWB01	5/8/07	None	Clear	None	None	No	No	
SWB01	6/12/07	Musty (basement)	Slightly Turbid	Sparse	Dense	No	No	
SWB01	7/17/07	Musty (basement)	Slightly Turbid	None	Very Dense	No	No	Periphyton: Very dense film on rocks.
SWB01	8/21/07	Musty (basement)	Slightly Turbid	None	Very Dense	No	No	Periphyton: Very dense brown film on rocks
SWB01	9/25/07	None	Clear	None	Very Dense	No	No	Periphyton: Very dense brown film on rocks

Site	Date	Odor	Water Clarity	Aquatic Plants	Periphyton	Floating Scum	Obj. Deposits	Comments
TB01	5/8/07	None	Clear	None	None	No	No	
TB01	6/12/07	None	Slightly Turbid	None	Moderate	No	No	
TB01	7/17/07	Musty (basement)	Clear	None	Moderate	No	No	
TB01	8/21/07	Musty (basement)	Moderately Turbid	None	Very Dense	No	No	Periphyton: Very dense brown film on rocks
TB01	9/25/07	None	Moderately Turbid	None	Very Dense	No	No	Periphyton: Very dense film on rocks
WF02	5/8/07	None	Clear	None	Sparse	No	No	
WF02	6/12/07	None	Clear	None	Sparse	No	No	
WF02	7/17/07	Musty (basement)	Clear	None	Moderate	No	Yes	Obj. Deposits: Trash.
WF02	8/21/07	Musty (basement)	Clear	None	Moderate	No	No	
WF02	9/25/07	None	Clear	None	Dense	No	No	
WM01	5/8/07	None	Clear	None	None	No	No	
WM01	6/12/07	None	Clear	None	Moderate	No	No	
WM01	7/17/07	None	Clear	None	Sparse	No	No	
WM01	8/21/07	None	Clear	None	Very Dense	No	No	Periphyton: Very dense grey filamentous algae on plants and rocks in riffles, runs and pools.
WM01	9/25/07	None	Clear	Blank	Very Dense	No	No	Periphyton: Very dense blue filamentous algae on rocks

Survey Conditions

Precipitation and stream discharge data were collected and analyzed to determine hydrologic conditions leading up to and during the water quality sampling events. This review was used, in part, to determine whether the water quality and bacteria data were representative of “wet-” or “dry-weather” sampling conditions. Precipitation data were collected from the National Weather Service’s website (<http://www.erh.noaa.gov/box/dailystns.shtml>) (NOAA 2012). The Pittsfield, MA weather station precipitation gage was used to determine precipitation and weather conditions for five days prior to and on the sampling dates (Table 3).

Stream flow data were obtained from two continuous USGS stream gages in the watershed: Gage 01197500 on the Housatonic River near Great Barrington and Gage 01197000 on the East Branch Housatonic River at Coltsville. USGS also maintains gage 01198000 on the Green River near Great Barrington; however, flows are not available for the first three survey dates in 2007, thus these data are not reported here. Data from the above stream gages were retrieved from USGS online sources (USGS 2012a; 2012b) and are presented in Table 3.

Table 3. The precipitation totals (inches) and daily average discharge (cubic feet per second) for five days prior to and each DWM 2007 Housatonic River Watershed survey date (USGS 2012a; NOAA 2012).

Note: Shaded dates indicate the deployment of multiprobes. “A” indicates that an Attended Multi-probe was used on that date, and “S” indicates that a water sample was collected on that date. T = trace precipitation. The percentage (in brackets) is a comparison of the 2007 daily mean discharge on the date noted to the Period of Record daily mean discharge for that date.

Date	Precipitation (in.)	Daily Mean Discharge in cfs (percent of that date’s period of record daily mean)	
	Pittsfield, MA Municipal Airport	East Branch Housatonic River at Coltsville, MA (01197000)	Housatonic River near Great Barrington, MA (01197500)
05/03/07	0	169 (102%)	771 (102%)
05/04/07	0	123 (73%)	668 (87%)
05/05/07	0	107 (75%)	571 (76%)
05/06/07	0	97 (72%)	510 (72%)
05/07/07	0	90 (72%)	483 (71%)
05/08/07 S	0	83 (71%)	463 (71%)
06/07/07	0	108 (90%)	570 (113%)
06/08/07 A	0	86 (89%)	438 (87%)
06/09/07	0	72 (80%)	379 (80%)
06/10/07	T	57 (70%)	345 (74%)
06/11/07	0.65	51 (65%)	304 (67%)
06/12/07 S	T	79 (87%)	322 (75%)
06/13/07 A	0	62 (58%)	325 (73%)
07/12/07	0	55 (122%)	254 (103%)
07/13/07 A	0.03	45 (87%)	237 (93%)
07/14/07	0.01	35 (64%)	217 (79%)
07/15/07	0.04	30 (60%)	186 (68%)
07/16/07	0	29 (52%)	186 (68%)
07/17/07 S	T	27 (59%)	156 (57%)
07/18/07 A	0.57	33 (77%)	163 (67%)
08/16/07	0	16 (37%)	107 (45%)

08/17/07	A	0.06	14 (32%)	103 (47%)
08/18/07		T	14 (31%)	96 (43%)
08/19/07		0	13 (23%)	93 (37%)
08/20/07		0.03	13 (27%)	92 (39%)
08/21/07	S	0.01	13 (30%)	91 (42%)
08/22/07	A	0	13 (30%)	91 (40%)
09/20/07		0	15 (21%)	98 (33%)
09/21/07	A	0.01	14 (15%)	94 (30%)
09/22/07		0.12	14 (18%)	91 (25%)
09/23/07		0	13 (21%)	91 (27%)
09/24/07		0	15 (25%)	88 (29%)
09/25/07	S	0	15 (23%)	86 (30%)
09/26/07	A	0.12	14 (23%)	85 (31%)

It is the practice of DWM to define a “wet-weather” sample as one that was collected at a location that received at least 0.5 inches of rainfall within the 72 hours antecedent to sample collection. Only July 6 was considered representative of wet-weather conditions; all other sampling dates represented dry conditions.

Water Quality Data

Raw data files, field sheets, lab reports and chain of custody (COC) records are stored in open files at the DWM in Worcester. Data exports for publishing are provided by DWM's database managers following data validation. Water Chemistry, Attended Multi-probe, and Unattended Multi-probe data are provided below (Tables 5, 6, and 7, respectively). Data qualifiers are listed in Appendix 1.

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
02B	W1107	21-0358	5/8/07	11:40	Ammonia-N	mg/L	0.31	
02B	W1107	21-0358	5/8/07	11:40	Apparent Color	PCU	27	
02B	W1107	21-0358	5/8/07	11:40	E. coli	CFU/100mL	22	
02B	W1107	21-0358	5/8/07	11:40	Suspended Solids	mg/L	2.1	
02B	W1107	21-0358	5/8/07	11:40	Total Nitrogen	mg/L	0.97	
02B	W1107	21-0358	5/8/07	11:40	Total Phosphorus	mg/L	0.014	d
02B	W1107	21-0358	5/8/07	11:40	True Color	PCU	25	
02B	W1107	21-0358	5/8/07	11:40	Turbidity	NTU	2.8	
02B	W1107	21-0416	6/12/07	12:08	Ammonia-N	mg/L	0.12	
02B	W1107	21-0416	6/12/07	12:08	Apparent Color	PCU	46	
02B	W1107	21-0416	6/12/07	12:08	E. coli	CFU/100mL	368	
02B	W1107	21-0416	6/12/07	12:08	Suspended Solids	mg/L	10	
02B	W1107	21-0416	6/12/07	12:08	Total Nitrogen	mg/L	0.98	
02B	W1107	21-0416	6/12/07	12:08	Total Phosphorus	mg/L	0.028	
02B	W1107	21-0416	6/12/07	12:08	True Color	PCU	36	
02B	W1107	21-0416	6/12/07	12:08	Turbidity	NTU	4.1	
02B	W1107	21-0604	7/17/07	12:08	Ammonia-N	mg/L	0.25	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
02B	W1107	21-0604	7/17/07	12:08	Apparent Color	PCU	41	
02B	W1107	21-0604	7/17/07	12:08	E. coli	CFU/100mL	>200	
02B	W1107	21-0604	7/17/07	12:08	Suspended Solids	mg/L	3.3	
02B	W1107	21-0604	7/17/07	12:08	Total Nitrogen	mg/L	1.3	
02B	W1107	21-0604	7/17/07	12:08	Total Phosphorus	mg/L	0.019	
02B	W1107	21-0604	7/17/07	12:08	True Color	PCU	26	
02B	W1107	21-0604	7/17/07	12:08	Turbidity	NTU	1.9	
02B	W1107	21-0720	8/21/07	10:39	Ammonia-N	mg/L	0.43	
02B	W1107	21-0720	8/21/07	10:39	Apparent Color	PCU	41	
02B	W1107	21-0720	8/21/07	10:39	E. coli	CFU/100mL	480	
02B	W1107	21-0720	8/21/07	10:39	Suspended Solids	mg/L	3.7	
02B	W1107	21-0720	8/21/07	10:39	Total Nitrogen	mg/L	1.5	
02B	W1107	21-0720	8/21/07	10:39	Total Phosphorus	mg/L	0.020	
02B	W1107	21-0720	8/21/07	10:39	True Color	PCU	33	
02B	W1107	21-0720	8/21/07	10:39	Turbidity	NTU	4.1	
02B	W1107	21-0831	9/25/07	10:38	Ammonia-N	mg/L	0.21	
02B	W1107	21-0831	9/25/07	10:38	E. coli	CFU/100mL	160	
02B	W1107	21-0831	9/25/07	10:38	Suspended Solids	mg/L	2.3	h
02B	W1107	21-0831	9/25/07	10:38	Total Nitrogen	mg/L	1.4	
02B	W1107	21-0831	9/25/07	10:38	Total Phosphorus	mg/L	0.020	
04B	W1105	21-0359	5/8/07	11:53	Ammonia-N	mg/L	0.15	
04B	W1105	21-0359	5/8/07	11:53	Apparent Color	PCU	18	
04B	W1105	21-0359	5/8/07	11:53	E. coli	CFU/100mL	16	
04B	W1105	21-0359	5/8/07	11:53	Hardness	mg/L	120	
04B	W1105	21-0359	5/8/07	11:53	Suspended Solids	mg/L	2.4	
04B	W1105	21-0359	5/8/07	11:53	Total Nitrogen	mg/L	0.72	
04B	W1105	21-0359	5/8/07	11:53	Total Phosphorus	mg/L	0.012	d
04B	W1105	21-0359	5/8/07	11:53	True Color	PCU	15	
04B	W1105	21-0359	5/8/07	11:53	Turbidity	NTU	2.2	
04B	W1105	21-0417	6/12/07	12:20	Ammonia-N	mg/L	0.08	
04B	W1105	21-0417	6/12/07	12:20	Apparent Color	PCU	30	
04B	W1105	21-0417	6/12/07	12:20	E. coli	CFU/100mL	416	
04B	W1105	21-0417	6/12/07	12:20	Suspended Solids	mg/L	12	
04B	W1105	21-0417	6/12/07	12:20	Total Nitrogen	mg/L	0.84	
04B	W1105	21-0417	6/12/07	12:20	Total Phosphorus	mg/L	0.030	
04B	W1105	21-0417	6/12/07	12:20	True Color	PCU	24	
04B	W1105	21-0417	6/12/07	12:20	Turbidity	NTU	3.6	
04B	W1105	21-0605	7/17/07	12:16	Ammonia-N	mg/L	0.14	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
04B	W1105	21-0605	7/17/07	12:16	Apparent Color	PCU	30	
04B	W1105	21-0605	7/17/07	12:16	E. coli	CFU/100mL	>200	
04B	W1105	21-0605	7/17/07	12:16	Hardness	mg/L	120	
04B	W1105	21-0605	7/17/07	12:16	Suspended Solids	mg/L	3.7	
04B	W1105	21-0605	7/17/07	12:16	Total Nitrogen	mg/L	0.95	
04B	W1105	21-0605	7/17/07	12:16	Total Phosphorus	mg/L	0.019	
04B	W1105	21-0605	7/17/07	12:16	True Color	PCU	16	
04B	W1105	21-0605	7/17/07	12:16	Turbidity	NTU	2.2	
04B	W1105	21-0721	8/21/07	10:24	Ammonia-N	mg/L	0.22	
04B	W1105	21-0721	8/21/07	10:24	Apparent Color	PCU	46	
04B	W1105	21-0721	8/21/07	10:24	E. coli	CFU/100mL	140	
04B	W1105	21-0721	8/21/07	10:24	Suspended Solids	mg/L	4.3	
04B	W1105	21-0721	8/21/07	10:24	Total Nitrogen	mg/L	1.2	
04B	W1105	21-0721	8/21/07	10:24	Total Phosphorus	mg/L	0.022	
04B	W1105	21-0721	8/21/07	10:24	True Color	PCU	19	
04B	W1105	21-0721	8/21/07	10:24	Turbidity	NTU	4.5	
04B	W1105	21-0832	9/25/07	10:30	Ammonia-N	mg/L	0.16	
04B	W1105	21-0832	9/25/07	10:30	E. coli	CFU/100mL	220	
04B	W1105	21-0832	9/25/07	10:30	Hardness	mg/L	190	f
04B	W1105	21-0832	9/25/07	10:30	Suspended Solids	mg/L	2.5	h
04B	W1105	21-0832	9/25/07	10:30	Total Nitrogen	mg/L	1.0	
04B	W1105	21-0832	9/25/07	10:30	Total Phosphorus	mg/L	0.019	
04C	W1104	21-0361	5/8/07	12:33	Ammonia-N	mg/L	0.10	
04C	W1104	21-0361	5/8/07	12:33	Apparent Color	PCU	<15	
04C	W1104	21-0361	5/8/07	12:33	E. coli	CFU/100mL	30	
04C	W1104	21-0361	5/8/07	12:33	Suspended Solids	mg/L	2.2	
04C	W1104	21-0361	5/8/07	12:33	Total Nitrogen	mg/L	1.5	
04C	W1104	21-0361	5/8/07	12:33	Total Phosphorus	mg/L	0.072	d
04C	W1104	21-0361	5/8/07	12:33	True Color	PCU	<15	
04C	W1104	21-0361	5/8/07	12:33	Turbidity	NTU	2.2	
04C	W1104	21-0419	6/12/07	12:55	Ammonia-N	mg/L	0.07	
04C	W1104	21-0419	6/12/07	12:55	Apparent Color	PCU	33	
04C	W1104	21-0419	6/12/07	12:55	E. coli	CFU/100mL	536	
04C	W1104	21-0419	6/12/07	12:55	Suspended Solids	mg/L	8.4	
04C	W1104	21-0419	6/12/07	12:55	Total Nitrogen	mg/L	1.9	
04C	W1104	21-0419	6/12/07	12:55	Total Phosphorus	mg/L	0.091	
04C	W1104	21-0419	6/12/07	12:55	True Color	PCU	28	
04C	W1104	21-0419	6/12/07	12:55	Turbidity	NTU	6.1	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
04C	W1104	21-0607	7/17/07	12:48	Ammonia-N	mg/L	0.09	
04C	W1104	21-0607	7/17/07	12:48	Apparent Color	PCU	24	
04C	W1104	21-0607	7/17/07	12:48	E. coli	CFU/100mL	256	
04C	W1104	21-0607	7/17/07	12:48	Suspended Solids	mg/L	4.2	
04C	W1104	21-0607	7/17/07	12:48	Total Nitrogen	mg/L	2.6	
04C	W1104	21-0607	7/17/07	12:48	Total Phosphorus	mg/L	0.11	
04C	W1104	21-0607	7/17/07	12:48	True Color	PCU	18	
04C	W1104	21-0607	7/17/07	12:48	Turbidity	NTU	2.8	
04C	W1104	21-0723	8/21/07	9:40	Ammonia-N	mg/L	0.12	
04C	W1104	21-0723	8/21/07	9:40	Apparent Color	PCU	34	
04C	W1104	21-0723	8/21/07	9:40	E. coli	CFU/100mL	100	
04C	W1104	21-0723	8/21/07	9:40	Suspended Solids	mg/L	3.9	
04C	W1104	21-0723	8/21/07	9:40	Total Nitrogen	mg/L	5.2	
04C	W1104	21-0723	8/21/07	9:40	Total Phosphorus	mg/L	0.18	
04C	W1104	21-0723	8/21/07	9:40	True Color	PCU	18	
04C	W1104	21-0723	8/21/07	9:40	Turbidity	NTU	3.0	
04C	W1104	21-0834	9/25/07	9:43	Ammonia-N	mg/L	0.15	
04C	W1104	21-0834	9/25/07	9:43	E. coli	CFU/100mL	200	
04C	W1104	21-0834	9/25/07	9:43	Suspended Solids	mg/L	4.3	h
04C	W1104	21-0834	9/25/07	9:43	Total Nitrogen	mg/L	4.9	
04C	W1104	21-0834	9/25/07	9:43	Total Phosphorus	mg/L	0.33	
06A	W1098	21-0363	5/8/07	9:42	Ammonia-N	mg/L	<0.02	
06A	W1098	21-0363	5/8/07	9:42	Apparent Color	PCU	<15	
06A	W1098	21-0363	5/8/07	9:42	E. coli	CFU/100mL	6	
06A	W1098	21-0363	5/8/07	9:42	Suspended Solids	mg/L	1.0	
06A	W1098	21-0363	5/8/07	9:42	Total Nitrogen	mg/L	0.35	
06A	W1098	21-0363	5/8/07	9:42	Total Phosphorus	mg/L	0.006	
06A	W1098	21-0363	5/8/07	9:42	True Color	PCU	<15	
06A	W1098	21-0363	5/8/07	9:42	Turbidity	NTU	1.0	
06A	W1098	21-0421	6/12/07	13:04	Ammonia-N	mg/L	<0.02	
06A	W1098	21-0421	6/12/07	13:04	Apparent Color	PCU	21	
06A	W1098	21-0421	6/12/07	13:04	E. coli	CFU/100mL	20	
06A	W1098	21-0421	6/12/07	13:04	Suspended Solids	mg/L	2.0	
06A	W1098	21-0421	6/12/07	13:04	Total Nitrogen	mg/L	0.39	
06A	W1098	21-0421	6/12/07	13:04	Total Phosphorus	mg/L	0.010	
06A	W1098	21-0421	6/12/07	13:04	True Color	PCU	<15	
06A	W1098	21-0421	6/12/07	13:04	Turbidity	NTU	1.5	
06A	W1098	21-0609	7/17/07	12:28	Ammonia-N	mg/L	0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
06A	W1098	21-0609	7/17/07	12:28	Apparent Color	PCU	<15	
06A	W1098	21-0609	7/17/07	12:28	E. coli	CFU/100mL	42	
06A	W1098	21-0609	7/17/07	12:28	Suspended Solids	mg/L	4.3	
06A	W1098	21-0609	7/17/07	12:28	Total Nitrogen	mg/L	0.42	
06A	W1098	21-0609	7/17/07	12:28	Total Phosphorus	mg/L	0.007	
06A	W1098	21-0609	7/17/07	12:28	True Color	PCU	<15	
06A	W1098	21-0609	7/17/07	12:28	Turbidity	NTU	1.0	
06A	W1098	21-0725	8/21/07	12:20	Ammonia-N	mg/L	<0.02	
06A	W1098	21-0725	8/21/07	12:20	Apparent Color	PCU	<15	
06A	W1098	21-0725	8/21/07	12:20	E. coli	CFU/100mL	40	
06A	W1098	21-0725	8/21/07	12:20	Suspended Solids	mg/L	<1.0	
06A	W1098	21-0725	8/21/07	12:20	Total Nitrogen	mg/L	0.40	
06A	W1098	21-0725	8/21/07	12:20	Total Phosphorus	mg/L	0.005	
06A	W1098	21-0725	8/21/07	12:20	True Color	PCU	<15	
06A	W1098	21-0725	8/21/07	12:20	Turbidity	NTU	1.8	
06A	W1098	21-0836	9/25/07	12:18	Ammonia-N	mg/L	<0.02	
06A	W1098	21-0836	9/25/07	12:18	E. coli	CFU/100mL	60	
06A	W1098	21-0836	9/25/07	12:18	Suspended Solids	mg/L	<1.0	h
06A	W1098	21-0836	9/25/07	12:18	Total Nitrogen	mg/L	0.48	
06A	W1098	21-0836	9/25/07	12:18	Total Phosphorus	mg/L	<0.005	
06B	W1560	21-0362	5/8/07	9:20	Ammonia-N	mg/L	0.02	
06B	W1560	21-0362	5/8/07	9:20	Apparent Color	PCU	<15	
06B	W1560	21-0362	5/8/07	9:20	E. coli	CFU/100mL	6	
06B	W1560	21-0362	5/8/07	9:20	Suspended Solids	mg/L	1.0	
06B	W1560	21-0362	5/8/07	9:20	Total Nitrogen	mg/L	0.32	
06B	W1560	21-0362	5/8/07	9:20	Total Phosphorus	mg/L	0.009	
06B	W1560	21-0362	5/8/07	9:20	True Color	PCU	<15	
06B	W1560	21-0362	5/8/07	9:20	Turbidity	NTU	1.6	
06B	W1560	21-0420	6/12/07	13:23	Ammonia-N	mg/L	<0.02	
06B	W1560	21-0420	6/12/07	13:23	Apparent Color	PCU	28	
06B	W1560	21-0420	6/12/07	13:23	E. coli	CFU/100mL	24	
06B	W1560	21-0420	6/12/07	13:23	Suspended Solids	mg/L	1.5	
06B	W1560	21-0420	6/12/07	13:23	Total Nitrogen	mg/L	0.37	
06B	W1560	21-0420	6/12/07	13:23	Total Phosphorus	mg/L	0.014	
06B	W1560	21-0420	6/12/07	13:23	True Color	PCU	<15	
06B	W1560	21-0420	6/12/07	13:23	Turbidity	NTU	2.3	
06B	W1560	21-0608	7/17/07	12:44	Ammonia-N	mg/L	0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
06B	W1560	21-0608	7/17/07	12:44	Apparent Color	PCU	28	
06B	W1560	21-0608	7/17/07	12:44	E. coli	CFU/100mL	36	
06B	W1560	21-0608	7/17/07	12:44	Suspended Solids	mg/L	1.4	
06B	W1560	21-0608	7/17/07	12:44	Total Nitrogen	mg/L	0.39	
06B	W1560	21-0608	7/17/07	12:44	Total Phosphorus	mg/L	0.012	
06B	W1560	21-0608	7/17/07	12:44	True Color	PCU	<15	
06B	W1560	21-0608	7/17/07	12:44	Turbidity	NTU	2.0	
06B	W1560	21-0724	8/21/07	12:35	Ammonia-N	mg/L	<0.02	
06B	W1560	21-0724	8/21/07	12:35	Apparent Color	PCU	28	
06B	W1560	21-0724	8/21/07	12:35	E. coli	CFU/100mL	10	
06B	W1560	21-0724	8/21/07	12:35	Suspended Solids	mg/L	<1.0	
06B	W1560	21-0724	8/21/07	12:35	Total Nitrogen	mg/L	0.31	
06B	W1560	21-0724	8/21/07	12:35	Total Phosphorus	mg/L	0.011	
06B	W1560	21-0724	8/21/07	12:35	True Color	PCU	16	
06B	W1560	21-0724	8/21/07	12:35	Turbidity	NTU	2.0	
06B	W1560	21-0835	9/25/07	12:30	Ammonia-N	mg/L	<0.02	
06B	W1560	21-0835	9/25/07	12:30	E. coli	CFU/100mL	<20	
06B	W1560	21-0835	9/25/07	12:30	Suspended Solids	mg/L	<1.0	h
06B	W1560	21-0835	9/25/07	12:30	Total Nitrogen	mg/L	0.27	
06B	W1560	21-0835	9/25/07	12:30	Total Phosphorus	mg/L	0.007	
07B	W1110	21-0371	5/8/07	11:56	Ammonia-N	mg/L	<0.02	
07B	W1110	21-0371	5/8/07	11:56	Apparent Color	PCU	<15	
07B	W1110	21-0371	5/8/07	11:56	E. coli	CFU/100mL	0	a
07B	W1110	21-0371	5/8/07	11:56	Suspended Solids	mg/L	1.6	
07B	W1110	21-0371	5/8/07	11:56	Total Nitrogen	mg/L	0.22	
07B	W1110	21-0371	5/8/07	11:56	Total Phosphorus	mg/L	0.006	
07B	W1110	21-0371	5/8/07	11:56	True Color	PCU	<15	
07B	W1110	21-0371	5/8/07	11:56	Turbidity	NTU	1.3	
07B	W1110	21-0429	6/12/07	10:54	Ammonia-N	mg/L	<0.02	
07B	W1110	21-0429	6/12/07	10:54	Apparent Color	PCU	20	
07B	W1110	21-0429	6/12/07	10:54	E. coli	CFU/100mL	42	
07B	W1110	21-0429	6/12/07	10:54	Suspended Solids	mg/L	<1.0	
07B	W1110	21-0429	6/12/07	10:54	Total Nitrogen	mg/L	0.31	
07B	W1110	21-0429	6/12/07	10:54	Total Phosphorus	mg/L	<0.005	
07B	W1110	21-0429	6/12/07	10:54	True Color	PCU	16	
07B	W1110	21-0429	6/12/07	10:54	Turbidity	NTU	0.6	
07B	W1110	21-0617	7/17/07	10:31	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
07B	W1110	21-0617	7/17/07	10:31	Apparent Color	PCU	<15	
07B	W1110	21-0617	7/17/07	10:31	E. coli	CFU/100mL	112	
07B	W1110	21-0617	7/17/07	10:31	Suspended Solids	mg/L	2.9	
07B	W1110	21-0617	7/17/07	10:31	Total Nitrogen	mg/L	0.27	
07B	W1110	21-0617	7/17/07	10:31	Total Phosphorus	mg/L	0.008	
07B	W1110	21-0617	7/17/07	10:31	True Color	PCU	<15	
07B	W1110	21-0617	7/17/07	10:31	Turbidity	NTU	1.4	
07B	W1110	21-0733	8/21/07	10:31	Ammonia-N	mg/L	<0.02	
07B	W1110	21-0733	8/21/07	10:31	Apparent Color	PCU	<15	
07B	W1110	21-0733	8/21/07	10:31	E. coli	CFU/100mL	30	
07B	W1110	21-0733	8/21/07	10:31	Suspended Solids	mg/L	<1.0	
07B	W1110	21-0733	8/21/07	10:31	Total Nitrogen	mg/L	0.25	
07B	W1110	21-0733	8/21/07	10:31	Total Phosphorus	mg/L	<0.005	
07B	W1110	21-0733	8/21/07	10:31	True Color	PCU	<15	
07B	W1110	21-0733	8/21/07	10:31	Turbidity	NTU	0.6	
07B	W1110	21-0844	9/25/07	10:34	Ammonia-N	mg/L	<0.02	
07B	W1110	21-0844	9/25/07	10:34	E. coli	CFU/100mL	60	
07B	W1110	21-0844	9/25/07	10:34	Suspended Solids	mg/L	<1.0	h
07B	W1110	21-0844	9/25/07	10:34	Total Nitrogen	mg/L	0.20	
07B	W1110	21-0844	9/25/07	10:34	Total Phosphorus	mg/L	<0.005	
15A	W1113	21-0377	5/8/07	10:30	Ammonia-N	mg/L	0.05	
15A	W1113	21-0377	5/8/07	10:30	Apparent Color	PCU	18	
15A	W1113	21-0377	5/8/07	10:30	E. coli	CFU/100mL	14	
15A	W1113	21-0377	5/8/07	10:30	Suspended Solids	mg/L	4.1	
15A	W1113	21-0377	5/8/07	10:30	Total Nitrogen	mg/L	0.36	
15A	W1113	21-0377	5/8/07	10:30	Total Phosphorus	mg/L	0.017	
15A	W1113	21-0377	5/8/07	10:30	True Color	PCU	18	
15A	W1113	21-0377	5/8/07	10:30	Turbidity	NTU	3.8	d
15A	W1113	21-0435	6/12/07	10:38	Ammonia-N	mg/L	0.05	
15A	W1113	21-0435	6/12/07	10:38	Apparent Color	PCU	23	
15A	W1113	21-0435	6/12/07	10:38	E. coli	CFU/100mL	128	
15A	W1113	21-0435	6/12/07	10:38	Suspended Solids	mg/L	7.2	
15A	W1113	21-0435	6/12/07	10:38	Total Nitrogen	mg/L	0.44	
15A	W1113	21-0435	6/12/07	10:38	Total Phosphorus	mg/L	0.024	
15A	W1113	21-0435	6/12/07	10:38	True Color	PCU	20	
15A	W1113	21-0435	6/12/07	10:38	Turbidity	NTU	3.4	
15A	W1113	21-0623	7/17/07	10:39	Ammonia-N	mg/L	0.05	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
15A	W1113	21-0623	7/17/07	10:39	Apparent Color	PCU	34	
15A	W1113	21-0623	7/17/07	10:39	E. coli	CFU/100mL	560	
15A	W1113	21-0623	7/17/07	10:39	Suspended Solids	mg/L	5.1	
15A	W1113	21-0623	7/17/07	10:39	Total Nitrogen	mg/L	0.48	
15A	W1113	21-0623	7/17/07	10:39	Total Phosphorus	mg/L	0.024	
15A	W1113	21-0623	7/17/07	10:39	True Color	PCU	22	
15A	W1113	21-0623	7/17/07	10:39	Turbidity	NTU	3.5	
15A	W1113	21-0739	8/21/07	10:37	Ammonia-N	mg/L	0.03	
15A	W1113	21-0739	8/21/07	10:37	Apparent Color	PCU	27	
15A	W1113	21-0739	8/21/07	10:37	E. coli	CFU/100mL	110	
15A	W1113	21-0739	8/21/07	10:37	Suspended Solids	mg/L	4.7	
15A	W1113	21-0739	8/21/07	10:37	Total Nitrogen	mg/L	0.42	
15A	W1113	21-0739	8/21/07	10:37	Total Phosphorus	mg/L	0.022	
15A	W1113	21-0739	8/21/07	10:37	True Color	PCU	16	
15A	W1113	21-0739	8/21/07	10:37	Turbidity	NTU	3.5	
15A	W1113	21-0850	9/25/07	10:48	Ammonia-N	mg/L	0.03	
15A	W1113	21-0850	9/25/07	10:48	E. coli	CFU/100mL	120	
15A	W1113	21-0850	9/25/07	10:48	Suspended Solids	mg/L	4.0	h
15A	W1113	21-0850	9/25/07	10:48	Total Nitrogen	mg/L	0.45	
15A	W1113	21-0850	9/25/07	10:48	Total Phosphorus	mg/L	0.020	
19A	W1103	21-0374	5/8/07	13:00	Ammonia-N	mg/L	0.05	
19A	W1103	21-0374	5/8/07	13:00	Apparent Color	PCU	27	
19A	W1103	21-0374	5/8/07	13:00	E. coli	CFU/100mL	4	
19A	W1103	21-0374	5/8/07	13:00	Suspended Solids	mg/L	1.6	
19A	W1103	21-0374	5/8/07	13:00	Total Nitrogen	mg/L	1.1	
19A	W1103	21-0374	5/8/07	13:00	Total Phosphorus	mg/L	0.055	
19A	W1103	21-0374	5/8/07	13:00	True Color	PCU	24	
19A	W1103	21-0374	5/8/07	13:00	Turbidity	NTU	2.4	
19A	W1103	21-0432	6/12/07	9:38	Ammonia-N	mg/L	0.12	
19A	W1103	21-0432	6/12/07	9:38	Apparent Color	PCU	44	
19A	W1103	21-0432	6/12/07	9:38	E. coli	CFU/100mL	68	
19A	W1103	21-0432	6/12/07	9:38	Suspended Solids	mg/L	4.9	
19A	W1103	21-0432	6/12/07	9:38	Total Nitrogen	mg/L	1.6	
19A	W1103	21-0432	6/12/07	9:38	Total Phosphorus	mg/L	0.077	
19A	W1103	21-0432	6/12/07	9:38	True Color	PCU	23	
19A	W1103	21-0432	6/12/07	9:38	Turbidity	NTU	1.8	
19A	W1103	21-0620	7/17/07	9:30	Ammonia-N	mg/L	0.08	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
19A	W1103	21-0620	7/17/07	9:30	Apparent Color	PCU	32	
19A	W1103	21-0620	7/17/07	9:30	E. coli	CFU/100mL	58	
19A	W1103	21-0620	7/17/07	9:30	Suspended Solids	mg/L	3.2	
19A	W1103	21-0620	7/17/07	9:30	Total Nitrogen	mg/L	2.1	
19A	W1103	21-0620	7/17/07	9:30	Total Phosphorus	mg/L	0.089	
19A	W1103	21-0620	7/17/07	9:30	True Color	PCU	20	
19A	W1103	21-0620	7/17/07	9:30	Turbidity	NTU	1.9	
19A	W1103	21-0736	8/21/07	9:28	Ammonia-N	mg/L	0.13	
19A	W1103	21-0736	8/21/07	9:28	Apparent Color	PCU	40	
19A	W1103	21-0736	8/21/07	9:28	E. coli	CFU/100mL	40	
19A	W1103	21-0736	8/21/07	9:28	Suspended Solids	mg/L	4.0	
19A	W1103	21-0736	8/21/07	9:28	Total Nitrogen	mg/L	3.5	
19A	W1103	21-0736	8/21/07	9:28	Total Phosphorus	mg/L	0.098	
19A	W1103	21-0736	8/21/07	9:28	True Color	PCU	24	
19A	W1103	21-0736	8/21/07	9:28	Turbidity	NTU	3.0	
19A	W1103	21-0847	9/25/07	9:38	Ammonia-N	mg/L	0.06	
19A	W1103	21-0847	9/25/07	9:38	E. coli	CFU/100mL	80	
19A	W1103	21-0847	9/25/07	9:38	Suspended Solids	mg/L	2.7	h
19A	W1103	21-0847	9/25/07	9:38	Total Nitrogen	mg/L	3.6	
19A	W1103	21-0847	9/25/07	9:38	Total Phosphorus	mg/L	0.19	
19C	W1102	21-0372	5/8/07	12:18	Ammonia-N	mg/L	<0.02	
19C	W1102	21-0372	5/8/07	12:18	Apparent Color	PCU	20	
19C	W1102	21-0372	5/8/07	12:18	E. coli	CFU/100mL	2	
19C	W1102	21-0372	5/8/07	12:18	Suspended Solids	mg/L	1.7	
19C	W1102	21-0372	5/8/07	12:18	Total Nitrogen	mg/L	0.79	
19C	W1102	21-0372	5/8/07	12:18	Total Phosphorus	mg/L	0.035	
19C	W1102	21-0372	5/8/07	12:18	True Color	PCU	17	
19C	W1102	21-0372	5/8/07	12:18	Turbidity	NTU	2.0	
19C	W1102	21-0430	6/12/07	10:34	Ammonia-N	mg/L	0.02	
19C	W1102	21-0430	6/12/07	10:34	Apparent Color	PCU	35	
19C	W1102	21-0430	6/12/07	10:34	E. coli	CFU/100mL	102	
19C	W1102	21-0430	6/12/07	10:34	Suspended Solids	mg/L	3.2	
19C	W1102	21-0430	6/12/07	10:34	Total Nitrogen	mg/L	1.4	
19C	W1102	21-0430	6/12/07	10:34	Total Phosphorus	mg/L	0.055	
19C	W1102	21-0430	6/12/07	10:34	True Color	PCU	25	
19C	W1102	21-0430	6/12/07	10:34	Turbidity	NTU	2.6	
19C	W1102	21-0618	7/17/07	10:17	Ammonia-N	mg/L	0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
19C	W1102	21-0618	7/17/07	10:17	Apparent Color	PCU	25	
19C	W1102	21-0618	7/17/07	10:17	E. coli	CFU/100mL	112	
19C	W1102	21-0618	7/17/07	10:17	Suspended Solids	mg/L	1.3	
19C	W1102	21-0618	7/17/07	10:17	Total Nitrogen	mg/L	1.7	
19C	W1102	21-0618	7/17/07	10:17	Total Phosphorus	mg/L	0.056	
19C	W1102	21-0618	7/17/07	10:17	True Color	PCU	<15	
19C	W1102	21-0618	7/17/07	10:17	Turbidity	NTU	1.0	
19C	W1102	21-0734	8/21/07	10:18	Ammonia-N	mg/L	<0.02	
19C	W1102	21-0734	8/21/07	10:18	Apparent Color	PCU	36	
19C	W1102	21-0734	8/21/07	10:18	E. coli	CFU/100mL	120	
19C	W1102	21-0734	8/21/07	10:18	Suspended Solids	mg/L	<1.0	
19C	W1102	21-0734	8/21/07	10:18	Total Nitrogen	mg/L	2.6	
19C	W1102	21-0734	8/21/07	10:18	Total Phosphorus	mg/L	0.070	
19C	W1102	21-0734	8/21/07	10:18	True Color	PCU	30	
19C	W1102	21-0734	8/21/07	10:18	Turbidity	NTU	1.1	
19C	W1102	21-0845	9/25/07	10:21	Ammonia-N	mg/L	<0.02	
19C	W1102	21-0845	9/25/07	10:21	E. coli	CFU/100mL	40	
19C	W1102	21-0845	9/25/07	10:21	Suspended Solids	mg/L	<1.0	h
19C	W1102	21-0845	9/25/07	10:21	Total Nitrogen	mg/L	2.6	
19C	W1102	21-0845	9/25/07	10:21	Total Phosphorus	mg/L	0.13	
19E	W1101	21-0365	5/8/07	10:27	Ammonia-N	mg/L	<0.02	
19E	W1101	21-0365	5/8/07	10:27	Apparent Color	PCU	20	
19E	W1101	21-0365	5/8/07	10:27	E. coli	CFU/100mL	4	
19E	W1101	21-0365	5/8/07	10:27	Hardness	mg/L	120	
19E	W1101	21-0365	5/8/07	10:27	Suspended Solids	mg/L	2.5	
19E	W1101	21-0365	5/8/07	10:27	Total Nitrogen	mg/L	0.73	
19E	W1101	21-0365	5/8/07	10:27	Total Phosphorus	mg/L	0.029	
19E	W1101	21-0365	5/8/07	10:27	True Color	PCU	17	
19E	W1101	21-0365	5/8/07	10:27	Turbidity	NTU	2.1	
19E	W1101	21-0423	6/12/07	12:17	Ammonia-N	mg/L	0.04	
19E	W1101	21-0423	6/12/07	12:17	Apparent Color	PCU	27	
19E	W1101	21-0423	6/12/07	12:17	E. coli	CFU/100mL	200	
19E	W1101	21-0423	6/12/07	12:17	Suspended Solids	mg/L	4.4	
19E	W1101	21-0423	6/12/07	12:17	Total Nitrogen	mg/L	1.3	
19E	W1101	21-0423	6/12/07	12:17	Total Phosphorus	mg/L	0.048	
19E	W1101	21-0423	6/12/07	12:17	True Color	PCU	<15	
19E	W1101	21-0423	6/12/07	12:17	Turbidity	NTU	2.4	
19E	W1101	21-0611	7/17/07	11:48	Ammonia-N	mg/L	0.04	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
19E	W1101	21-0611	7/17/07	11:48	Apparent Color	PCU	25	
19E	W1101	21-0611	7/17/07	11:48	E. coli	CFU/100mL	72	
19E	W1101	21-0611	7/17/07	11:48	Hardness	mg/L	140	
19E	W1101	21-0611	7/17/07	11:48	Suspended Solids	mg/L	2.8	
19E	W1101	21-0611	7/17/07	11:48	Total Nitrogen	mg/L	1.3	
19E	W1101	21-0611	7/17/07	11:48	Total Phosphorus	mg/L	0.058	
19E	W1101	21-0611	7/17/07	11:48	True Color	PCU	18	
19E	W1101	21-0611	7/17/07	11:48	Turbidity	NTU	1.5	
19E	W1101	21-0727	8/21/07	11:45	Ammonia-N	mg/L	<0.02	
19E	W1101	21-0727	8/21/07	11:45	Apparent Color	PCU	28	
19E	W1101	21-0727	8/21/07	11:45	E. coli	CFU/100mL	30	
19E	W1101	21-0727	8/21/07	11:45	Suspended Solids	mg/L	1.8	
19E	W1101	21-0727	8/21/07	11:45	Total Nitrogen	mg/L	1.5	
19E	W1101	21-0727	8/21/07	11:45	Total Phosphorus	mg/L	0.048	
19E	W1101	21-0727	8/21/07	11:45	True Color	PCU	21	
19E	W1101	21-0727	8/21/07	11:45	Turbidity	NTU	1.4	
19E	W1101	21-0838	9/25/07	11:45	Ammonia-N	mg/L	<0.02	
19E	W1101	21-0838	9/25/07	11:45	E. coli	CFU/100mL	<20	
19E	W1101	21-0838	9/25/07	11:45	Hardness	mg/L	160	f
19E	W1101	21-0838	9/25/07	11:45	Suspended Solids	mg/L	1.1	h
19E	W1101	21-0838	9/25/07	11:45	Total Nitrogen	mg/L	1.6	
19E	W1101	21-0838	9/25/07	11:45	Total Phosphorus	mg/L	0.068	
20A	W1100	21-0364	5/8/07	10:01	Ammonia-N	mg/L	<0.02	
20A	W1100	21-0364	5/8/07	10:01	Apparent Color	PCU	17	
20A	W1100	21-0364	5/8/07	10:01	E. coli	CFU/100mL	2	
20A	W1100	21-0364	5/8/07	10:01	Suspended Solids	mg/L	5.3	
20A	W1100	21-0364	5/8/07	10:01	Total Nitrogen	mg/L	0.73	
20A	W1100	21-0364	5/8/07	10:01	Total Phosphorus	mg/L	0.031	
20A	W1100	21-0364	5/8/07	10:01	True Color	PCU	15	
20A	W1100	21-0364	5/8/07	10:01	Turbidity	NTU	3.0	
20A	W1100	21-0422	6/12/07	12:44	Ammonia-N	mg/L	0.05	
20A	W1100	21-0422	6/12/07	12:44	Apparent Color	PCU	30	
20A	W1100	21-0422	6/12/07	12:44	E. coli	CFU/100mL	20	
20A	W1100	21-0422	6/12/07	12:44	Suspended Solids	mg/L	9.4	
20A	W1100	21-0422	6/12/07	12:44	Total Nitrogen	mg/L	1.3	
20A	W1100	21-0422	6/12/07	12:44	Total Phosphorus	mg/L	0.061	
20A	W1100	21-0422	6/12/07	12:44	True Color	PCU	20	
20A	W1100	21-0422	6/12/07	12:44	Turbidity	NTU	4.3	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
20A	W1100	21-0610	7/17/07	12:07	Ammonia-N	mg/L	0.04	
20A	W1100	21-0610	7/17/07	12:07	Apparent Color	PCU	29	
20A	W1100	21-0610	7/17/07	12:07	E. coli	CFU/100mL	32	
20A	W1100	21-0610	7/17/07	12:07	Suspended Solids	mg/L	3.4	
20A	W1100	21-0610	7/17/07	12:07	Total Nitrogen	mg/L	1.2	
20A	W1100	21-0610	7/17/07	12:07	Total Phosphorus	mg/L	0.056	
20A	W1100	21-0610	7/17/07	12:07	True Color	PCU	19	
20A	W1100	21-0610	7/17/07	12:07	Turbidity	NTU	2.6	
20A	W1100	21-0726	8/21/07	12:00	Ammonia-N	mg/L	0.02	
20A	W1100	21-0726	8/21/07	12:00	Apparent Color	PCU	24	
20A	W1100	21-0726	8/21/07	12:00	E. coli	CFU/100mL	50	
20A	W1100	21-0726	8/21/07	12:00	Suspended Solids	mg/L	1.7	
20A	W1100	21-0726	8/21/07	12:00	Total Nitrogen	mg/L	1.1	
20A	W1100	21-0726	8/21/07	12:00	Total Phosphorus	mg/L	0.042	
20A	W1100	21-0726	8/21/07	12:00	True Color	PCU	22	
20A	W1100	21-0726	8/21/07	12:00	Turbidity	NTU	1.9	
20A	W1100	21-0837	9/25/07	12:02	Ammonia-N	mg/L	0.02	
20A	W1100	21-0837	9/25/07	12:02	E. coli	CFU/100mL	60	
20A	W1100	21-0837	9/25/07	12:02	Suspended Solids	mg/L	1.7	h
20A	W1100	21-0837	9/25/07	12:02	Total Nitrogen	mg/L	1.4	
20A	W1100	21-0837	9/25/07	12:02	Total Phosphorus	mg/L	0.055	
20D	W1099	21-0376	5/8/07	10:08	Ammonia-N	mg/L	0.03	
20D	W1099	21-0376	5/8/07	10:08	Apparent Color	PCU	17	
20D	W1099	21-0376	5/8/07	10:08	E. coli	CFU/100mL	8	
20D	W1099	21-0376	5/8/07	10:08	Suspended Solids	mg/L	3.8	
20D	W1099	21-0376	5/8/07	10:08	Total Nitrogen	mg/L	0.73	
20D	W1099	21-0376	5/8/07	10:08	Total Phosphorus	mg/L	0.024	
20D	W1099	21-0376	5/8/07	10:08	True Color	PCU	15	
20D	W1099	21-0376	5/8/07	10:08	Turbidity	NTU	3.4	d
20D	W1099	21-0434	6/12/07	10:21	Ammonia-N	mg/L	0.03	
20D	W1099	21-0434	6/12/07	10:21	Apparent Color	PCU	24	
20D	W1099	21-0434	6/12/07	10:21	E. coli	CFU/100mL	64	
20D	W1099	21-0434	6/12/07	10:21	Suspended Solids	mg/L	9.2	
20D	W1099	21-0434	6/12/07	10:21	Total Nitrogen	mg/L	1.1	
20D	W1099	21-0434	6/12/07	10:21	Total Phosphorus	mg/L	0.054	
20D	W1099	21-0434	6/12/07	10:21	True Color	PCU	17	
20D	W1099	21-0434	6/12/07	10:21	Turbidity	NTU	3.3	
20D	W1099	21-0622	7/17/07	10:21	Ammonia-N	mg/L	0.04	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
20D	W1099	21-0622	7/17/07	10:21	Apparent Color	PCU	25	
20D	W1099	21-0622	7/17/07	10:21	E. coli	CFU/100mL	150	
20D	W1099	21-0622	7/17/07	10:21	Suspended Solids	mg/L	3.5	
20D	W1099	21-0622	7/17/07	10:21	Total Nitrogen	mg/L	1.0	
20D	W1099	21-0622	7/17/07	10:21	Total Phosphorus	mg/L	0.050	
20D	W1099	21-0622	7/17/07	10:21	True Color	PCU	<15	
20D	W1099	21-0622	7/17/07	10:21	Turbidity	NTU	1.7	
20D	W1099	21-0738	8/21/07	10:17	Ammonia-N	mg/L	<0.02	
20D	W1099	21-0738	8/21/07	10:17	Apparent Color	PCU	26	
20D	W1099	21-0738	8/21/07	10:17	E. coli	CFU/100mL	80	
20D	W1099	21-0738	8/21/07	10:17	Suspended Solids	mg/L	2.1	
20D	W1099	21-0738	8/21/07	10:17	Total Nitrogen	mg/L	1.1	
20D	W1099	21-0738	8/21/07	10:17	Total Phosphorus	mg/L	0.062	
20D	W1099	21-0738	8/21/07	10:17	True Color	PCU	19	
20D	W1099	21-0738	8/21/07	10:17	Turbidity	NTU	1.5	
20D	W1099	21-0849	9/25/07	10:32	Ammonia-N	mg/L	<0.02	
20D	W1099	21-0849	9/25/07	10:32	E. coli	CFU/100mL	100	
20D	W1099	21-0849	9/25/07	10:32	Suspended Solids	mg/L	1.3	h
20D	W1099	21-0849	9/25/07	10:32	Total Nitrogen	mg/L	1.2	
20D	W1099	21-0849	9/25/07	10:32	Total Phosphorus	mg/L	0.11	
20F	W1566	21-0379	5/8/07	11:15	Ammonia-N	mg/L	0.04	
20F	W1566	21-0379	5/8/07	11:15	Apparent Color	PCU	23	
20F	W1566	21-0379	5/8/07	11:15	E. coli	CFU/100mL	4	
20F	W1566	21-0379	5/8/07	11:15	Suspended Solids	mg/L	7.6	
20F	W1566	21-0379	5/8/07	11:15	Total Nitrogen	mg/L	0.69	
20F	W1566	21-0379	5/8/07	11:15	Total Phosphorus	mg/L	0.030	
20F	W1566	21-0379	5/8/07	11:15	True Color	PCU	20	
20F	W1566	21-0379	5/8/07	11:15	Turbidity	NTU	4.7	d
20F	W1566	21-0437	6/12/07	11:15	Ammonia-N	mg/L	0.05	
20F	W1566	21-0437	6/12/07	11:15	Apparent Color	PCU	27	
20F	W1566	21-0437	6/12/07	11:15	E. coli	CFU/100mL	74	
20F	W1566	21-0437	6/12/07	11:15	Suspended Solids	mg/L	9.5	
20F	W1566	21-0437	6/12/07	11:15	Total Nitrogen	mg/L	0.92	
20F	W1566	21-0437	6/12/07	11:15	Total Phosphorus	mg/L	0.040	
20F	W1566	21-0437	6/12/07	11:15	True Color	PCU	16	
20F	W1566	21-0437	6/12/07	11:15	Turbidity	NTU	4.0	
20F	W1566	21-0625	7/17/07	11:19	Ammonia-N	mg/L	0.05	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
20F	W1566	21-0625	7/17/07	11:19	Apparent Color	PCU	32	
20F	W1566	21-0625	7/17/07	11:19	E. coli	CFU/100mL	150	
20F	W1566	21-0625	7/17/07	11:19	Suspended Solids	mg/L	5.1	
20F	W1566	21-0625	7/17/07	11:19	Total Nitrogen	mg/L	1.0	
20F	W1566	21-0625	7/17/07	11:19	Total Phosphorus	mg/L	0.054	
20F	W1566	21-0625	7/17/07	11:19	True Color	PCU	<15	
20F	W1566	21-0625	7/17/07	11:19	Turbidity	NTU	3.2	
20F	W1566	21-0741	8/21/07	11:20	Ammonia-N	mg/L	0.02	
20F	W1566	21-0741	8/21/07	11:20	Apparent Color	PCU	27	
20F	W1566	21-0741	8/21/07	11:20	E. coli	CFU/100mL	20	
20F	W1566	21-0741	8/21/07	11:20	Suspended Solids	mg/L	3.8	
20F	W1566	21-0741	8/21/07	11:20	Total Nitrogen	mg/L	0.89	
20F	W1566	21-0741	8/21/07	11:20	Total Phosphorus	mg/L	0.048	
20F	W1566	21-0741	8/21/07	11:20	True Color	PCU	<15	
20F	W1566	21-0741	8/21/07	11:20	Turbidity	NTU	3.4	
20F	W1566	21-0852	9/25/07	11:27	Ammonia-N	mg/L	0.03	
20F	W1566	21-0852	9/25/07	11:27	E. coli	CFU/100mL	120	
20F	W1566	21-0852	9/25/07	11:27	Suspended Solids	mg/L	3.1	h
20F	W1566	21-0852	9/25/07	11:27	Total Nitrogen	mg/L	0.94	
20F	W1566	21-0852	9/25/07	11:27	Total Phosphorus	mg/L	0.046	
23A	W1112	21-0375	5/8/07	9:32	Ammonia-N	mg/L	<0.02	
23A	W1112	21-0375	5/8/07	9:32	Apparent Color	PCU	<15	
23A	W1112	21-0375	5/8/07	9:32	E. coli	CFU/100mL	14	
23A	W1112	21-0375	5/8/07	9:32	Suspended Solids	mg/L	1.0	
23A	W1112	21-0375	5/8/07	9:32	Total Nitrogen	mg/L	0.69	
23A	W1112	21-0375	5/8/07	9:32	Total Phosphorus	mg/L	<0.005	
23A	W1112	21-0375	5/8/07	9:32	True Color	PCU	<15	
23A	W1112	21-0375	5/8/07	9:32	Turbidity	NTU	0.6	d
23A	W1112	21-0433	6/12/07	9:41	Ammonia-N	mg/L	<0.02	
23A	W1112	21-0433	6/12/07	9:41	Apparent Color	PCU	<15	
23A	W1112	21-0433	6/12/07	9:41	E. coli	CFU/100mL	96	
23A	W1112	21-0433	6/12/07	9:41	Suspended Solids	mg/L	1.5	
23A	W1112	21-0433	6/12/07	9:41	Total Nitrogen	mg/L	0.60	
23A	W1112	21-0433	6/12/07	9:41	Total Phosphorus	mg/L	<0.005	
23A	W1112	21-0433	6/12/07	9:41	True Color	PCU	<15	
23A	W1112	21-0433	6/12/07	9:41	Turbidity	NTU	<0.5	
23A	W1112	21-0621	7/17/07	9:45	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
23A	W1112	21-0621	7/17/07	9:45	Apparent Color	PCU	<15	
23A	W1112	21-0621	7/17/07	9:45	E. coli	CFU/100mL	810	
23A	W1112	21-0621	7/17/07	9:45	Suspended Solids	mg/L	1.1	
23A	W1112	21-0621	7/17/07	9:45	Total Nitrogen	mg/L	0.68	
23A	W1112	21-0621	7/17/07	9:45	Total Phosphorus	mg/L	<0.005	
23A	W1112	21-0621	7/17/07	9:45	True Color	PCU	<15	
23A	W1112	21-0621	7/17/07	9:45	Turbidity	NTU	<0.5	
23A	W1112	21-0737	8/21/07	9:50	Ammonia-N	mg/L	<0.02	
23A	W1112	21-0737	8/21/07	9:50	Apparent Color	PCU	<15	
23A	W1112	21-0737	8/21/07	9:50	E. coli	CFU/100mL	30	
23A	W1112	21-0737	8/21/07	9:50	Suspended Solids	mg/L	<1.0	
23A	W1112	21-0737	8/21/07	9:50	Total Nitrogen	mg/L	0.53	
23A	W1112	21-0737	8/21/07	9:50	Total Phosphorus	mg/L	<0.005	
23A	W1112	21-0737	8/21/07	9:50	True Color	PCU	<15	
23A	W1112	21-0737	8/21/07	9:50	Turbidity	NTU	0.6	
23A	W1112	21-0848	9/25/07	10:00	Ammonia-N	mg/L	<0.02	
23A	W1112	21-0848	9/25/07	10:00	E. coli	CFU/100mL	<20	
23A	W1112	21-0848	9/25/07	10:00	Suspended Solids	mg/L	<1.0	h
23A	W1112	21-0848	9/25/07	10:00	Total Nitrogen	mg/L	0.56	
23A	W1112	21-0848	9/25/07	10:00	Total Phosphorus	mg/L	<0.005	
AB01	W1576	21-0632	7/18/07	12:01	Aluminum - Dissolved	µg/L	120	
AB01	W1576	21-0632	7/18/07	12:01	Antimony - Dissolved	µg/L	<0.15	
AB01	W1576	21-0632	7/18/07	12:01	Arsenic - Dissolved	µg/L	<0.51	
AB01	W1576	21-0632	7/18/07	12:01	Barium - Dissolved	µg/L	16	
AB01	W1576	21-0632	7/18/07	12:01	Beryllium - Dissolved	µg/L	##	b, d, j
AB01	W1576	21-0632	7/18/07	12:01	Cadmium - Dissolved	µg/L	<0.13	
AB01	W1576	21-0632	7/18/07	12:01	Calcium - Dissolved	mg/L	1.9	
AB01	W1576	21-0632	7/18/07	12:01	Chromium - Dissolved	µg/L	0.34	d
AB01	W1576	21-0632	7/18/07	12:01	Cobalt - Dissolved	µg/L	0.18	
AB01	W1576	21-0632	7/18/07	12:01	Copper - Dissolved	µg/L	##	b, d
AB01	W1576	21-0632	7/18/07	12:01	Hardness	mg/L as CaCO ₃	9.6	
AB01	W1576	21-0632	7/18/07	12:01	Iron - Dissolved	µg/L	41	
AB01	W1576	21-0632	7/18/07	12:01	Lead - Dissolved	µg/L	0.21	d

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
AB01	W1576	21-0632	7/18/07	12:01	Magnesium - Dissolved	mg/L	1.2	
AB01	W1576	21-0632	7/18/07	12:01	Manganese - Dissolved	µg/L	5.8	
AB01	W1576	21-0632	7/18/07	12:01	Molybdenum - Dissolved	µg/L	<0.16	
AB01	W1576	21-0632	7/18/07	12:01	Nickel - Dissolved	µg/L	1.7	
AB01	W1576	21-0632	7/18/07	12:01	Selenium - Dissolved	µg/L	<2.6	
AB01	W1576	21-0632	7/18/07	12:01	Silver - Dissolved	µg/L	<0.13	
AB01	W1576	21-0632	7/18/07	12:01	Thallium - Dissolved	µg/L	<0.16	
AB01	W1576	21-0632	7/18/07	12:01	Vanadium - Dissolved	µg/L	0.25	
AB01	W1576	21-0632	7/18/07	12:01	Zinc - Dissolved	µg/L	4.1	
AB01	W1576	21-0748	8/22/07	11:14	Aluminum - Dissolved	µg/L	86	
AB01	W1576	21-0748	8/22/07	11:14	Antimony - Dissolved	µg/L	##	d
AB01	W1576	21-0748	8/22/07	11:14	Arsenic - Dissolved	µg/L	<0.51	
AB01	W1576	21-0748	8/22/07	11:14	Barium - Dissolved	µg/L	13	
AB01	W1576	21-0748	8/22/07	11:14	Beryllium - Dissolved	µg/L	<0.20	
AB01	W1576	21-0748	8/22/07	11:14	Cadmium - Dissolved	µg/L	<0.13	
AB01	W1576	21-0748	8/22/07	11:14	Calcium - Dissolved	mg/L	2.2	
AB01	W1576	21-0748	8/22/07	11:14	Chromium - Dissolved	µg/L	0.28	d
AB01	W1576	21-0748	8/22/07	11:14	Cobalt - Dissolved	µg/L	<0.17	
AB01	W1576	21-0748	8/22/07	11:14	Copper - Dissolved	µg/L	##	b
AB01	W1576	21-0748	8/22/07	11:14	Hardness	mg/L as CaCO ₃	11	
AB01	W1576	21-0748	8/22/07	11:14	Iron - Dissolved	µg/L	<30	
AB01	W1576	21-0748	8/22/07	11:14	Lead - Dissolved	µg/L	##	d
AB01	W1576	21-0748	8/22/07	11:14	Magnesium - Dissolved	mg/L	1.3	
AB01	W1576	21-0748	8/22/07	11:14	Manganese - Dissolved	µg/L	2.9	d
AB01	W1576	21-0748	8/22/07	11:14	Molybdenum - Dissolved	µg/L	<0.16	
AB01	W1576	21-0748	8/22/07	11:14	Nickel - Dissolved	µg/L	1.6	
AB01	W1576	21-0748	8/22/07	11:14	Selenium - Dissolved	µg/L	<2.6	
AB01	W1576	21-0748	8/22/07	11:14	Silver - Dissolved	µg/L	<0.13	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
AB01	W1576	21-0748	8/22/07	11:14	Thallium - Dissolved	µg/L	<0.16	
AB01	W1576	21-0748	8/22/07	11:14	Vanadium - Dissolved	µg/L	0.15	
AB01	W1576	21-0748	8/22/07	11:14	Zinc - Dissolved	µg/L	2.4	
AB01	W1576	21-0753	9/18/07	11:15	Aluminum - Dissolved	µg/L	130	f
AB01	W1576	21-0753	9/18/07	11:15	Antimony - Dissolved	µg/L	2.4	f
AB01	W1576	21-0753	9/18/07	11:15	Arsenic - Dissolved	µg/L	<0.51	f
AB01	W1576	21-0753	9/18/07	11:15	Barium - Dissolved	µg/L	14	f
AB01	W1576	21-0753	9/18/07	11:15	Beryllium - Dissolved	µg/L	0.80	b, f, j
AB01	W1576	21-0753	9/18/07	11:15	Cadmium - Dissolved	µg/L	<0.13	f
AB01	W1576	21-0753	9/18/07	11:15	Calcium - Dissolved	mg/L	1.8	f
AB01	W1576	21-0753	9/18/07	11:15	Chromium - Dissolved	µg/L	0.73	f
AB01	W1576	21-0753	9/18/07	11:15	Cobalt - Dissolved	µg/L	<0.17	f
AB01	W1576	21-0753	9/18/07	11:15	Copper - Dissolved	µg/L	##	b, f
AB01	W1576	21-0753	9/18/07	11:15	Hardness	mg/L as CaCO ₃	9.4	f
AB01	W1576	21-0753	9/18/07	11:15	Iron - Dissolved	µg/L	39	f
AB01	W1576	21-0753	9/18/07	11:15	Lead - Dissolved	µg/L	0.46	f
AB01	W1576	21-0753	9/18/07	11:15	Magnesium - Dissolved	mg/L	1.2	f
AB01	W1576	21-0753	9/18/07	11:15	Manganese - Dissolved	µg/L	2.8	f
AB01	W1576	21-0753	9/18/07	11:15	Molybdenum - Dissolved	µg/L	<0.16	f
AB01	W1576	21-0753	9/18/07	11:15	Nickel - Dissolved	µg/L	2.3	f
AB01	W1576	21-0753	9/18/07	11:15	Selenium - Dissolved	µg/L	<2.6	f
AB01	W1576	21-0753	9/18/07	11:15	Silver - Dissolved	µg/L	<0.13	f
AB01	W1576	21-0753	9/18/07	11:15	Thallium - Dissolved	µg/L	<0.16	f
AB01	W1576	21-0753	9/18/07	11:15	Vanadium - Dissolved	µg/L	0.32	f
AB01	W1576	21-0753	9/18/07	11:15	Zinc - Dissolved	µg/L	5.4	f
BT01	W1567	21-0367	5/8/07	11:15	Ammonia-N	mg/L	<0.02	
BT01	W1567	21-0367	5/8/07	11:15	Apparent Color	PCU	<15	
BT01	W1567	21-0367	5/8/07	11:15	E. coli	CFU/100mL	2	d
BT01	W1567	21-0367	5/8/07	11:15	Suspended Solids	mg/L	<1.0	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
BT01	W1567	21-0367	5/8/07	11:15	Total Nitrogen	mg/L	0.15	
BT01	W1567	21-0367	5/8/07	11:15	Total Phosphorus	mg/L	<0.005	
BT01	W1567	21-0367	5/8/07	11:15	True Color	PCU	<15	
BT01	W1567	21-0367	5/8/07	11:15	Turbidity	NTU	1.0	d
BT01	W1567	21-0425	6/12/07	11:29	Ammonia-N	mg/L	<0.02	
BT01	W1567	21-0425	6/12/07	11:29	Apparent Color	PCU	<15	
BT01	W1567	21-0425	6/12/07	11:29	E. coli	CFU/100mL	<2	
BT01	W1567	21-0425	6/12/07	11:29	Suspended Solids	mg/L	<1.0	
BT01	W1567	21-0425	6/12/07	11:29	Total Nitrogen	mg/L	0.21	
BT01	W1567	21-0425	6/12/07	11:29	Total Phosphorus	mg/L	<0.005	
BT01	W1567	21-0425	6/12/07	11:29	True Color	PCU	<15	
BT01	W1567	21-0425	6/12/07	11:29	Turbidity	NTU	<0.5	
BT01	W1567	21-0613	7/17/07	11:06	Ammonia-N	mg/L	<0.02	
BT01	W1567	21-0613	7/17/07	11:06	Apparent Color	PCU	<15	
BT01	W1567	21-0613	7/17/07	11:06	E. coli	CFU/100mL	232	
BT01	W1567	21-0613	7/17/07	11:06	Suspended Solids	mg/L	<1.0	
BT01	W1567	21-0613	7/17/07	11:06	Total Nitrogen	mg/L	0.26	
BT01	W1567	21-0613	7/17/07	11:06	Total Phosphorus	mg/L	<0.005	
BT01	W1567	21-0613	7/17/07	11:06	True Color	PCU	<15	
BT01	W1567	21-0613	7/17/07	11:06	Turbidity	NTU	<0.5	
BT01	W1567	21-0729	8/21/07	11:06	Ammonia-N	mg/L	<0.02	
BT01	W1567	21-0729	8/21/07	11:06	Apparent Color	PCU	<15	
BT01	W1567	21-0729	8/21/07	11:06	E. coli	CFU/100mL	60	
BT01	W1567	21-0729	8/21/07	11:06	Suspended Solids	mg/L	<1.0	
BT01	W1567	21-0729	8/21/07	11:06	Total Nitrogen	mg/L	0.33	
BT01	W1567	21-0729	8/21/07	11:06	Total Phosphorus	mg/L	<0.005	
BT01	W1567	21-0729	8/21/07	11:06	True Color	PCU	<15	
BT01	W1567	21-0729	8/21/07	11:06	Turbidity	NTU	<0.5	
BT01	W1567	21-0840	9/25/07	11:06	Ammonia-N	mg/L	<0.02	
BT01	W1567	21-0840	9/25/07	11:06	E. coli	CFU/100mL	<20	
BT01	W1567	21-0840	9/25/07	11:06	Suspended Solids	mg/L	<1.0	h
BT01	W1567	21-0840	9/25/07	11:06	Total Nitrogen	mg/L	0.48	
BT01	W1567	21-0840	9/25/07	11:06	Total Phosphorus	mg/L	0.006	
EB01A	W1572	21-0351	5/8/07	9:55	Ammonia-N	mg/L	<0.02	
EB01A	W1572	21-0351	5/8/07	9:55	Apparent Color	PCU	27	
EB01A	W1572	21-0351	5/8/07	9:55	E. coli	CFU/100mL	30	
EB01A	W1572	21-0351	5/8/07	9:55	Hardness	mg/L	73	
EB01A	W1572	21-0351	5/8/07	9:55	Suspended Solids	mg/L	1.3	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
EB01A	W1572	21-0351	5/8/07	9:55	Total Nitrogen	mg/L	0.35	
EB01A	W1572	21-0351	5/8/07	9:55	Total Phosphorus	mg/L	0.008	d
EB01A	W1572	21-0351	5/8/07	9:55	True Color	PCU	25	
EB01A	W1572	21-0351	5/8/07	9:55	Turbidity	NTU	1.3	
EB01A	W1572	21-0409	6/12/07	10:35	Ammonia-N	mg/L	<0.02	
EB01A	W1572	21-0409	6/12/07	10:35	Apparent Color	PCU	50	
EB01A	W1572	21-0409	6/12/07	10:35	E. coli	CFU/100mL	208	
EB01A	W1572	21-0409	6/12/07	10:35	Suspended Solids	mg/L	4.4	
EB01A	W1572	21-0409	6/12/07	10:35	Total Nitrogen	mg/L	0.45	
EB01A	W1572	21-0409	6/12/07	10:35	Total Phosphorus	mg/L	0.021	
EB01A	W1572	21-0409	6/12/07	10:35	True Color	PCU	28	
EB01A	W1572	21-0409	6/12/07	10:35	Turbidity	NTU	4.6	
EB01A	W1572	21-0597	7/17/07	10:32	Ammonia-N	mg/L	0.02	
EB01A	W1572	21-0597	7/17/07	10:32	Apparent Color	PCU	47	
EB01A	W1572	21-0597	7/17/07	10:32	E. coli	CFU/100mL	112	
EB01A	W1572	21-0597	7/17/07	10:32	Hardness	mg/L	90	
EB01A	W1572	21-0597	7/17/07	10:32	Suspended Solids	mg/L	2.1	
EB01A	W1572	21-0597	7/17/07	10:32	Total Nitrogen	mg/L	0.51	
EB01A	W1572	21-0597	7/17/07	10:32	Total Phosphorus	mg/L	0.013	
EB01A	W1572	21-0597	7/17/07	10:32	True Color	PCU	38	
EB01A	W1572	21-0597	7/17/07	10:32	Turbidity	NTU	1.7	
EB01A	W1572	21-0713	8/21/07	11:59	Ammonia-N	mg/L	<0.02	
EB01A	W1572	21-0713	8/21/07	11:59	Apparent Color	PCU	28	
EB01A	W1572	21-0713	8/21/07	11:59	E. coli	CFU/100mL	20	
EB01A	W1572	21-0713	8/21/07	11:59	Suspended Solids	mg/L	1.1	
EB01A	W1572	21-0713	8/21/07	11:59	Total Nitrogen	mg/L	0.60	
EB01A	W1572	21-0713	8/21/07	11:59	Total Phosphorus	mg/L	0.015	
EB01A	W1572	21-0713	8/21/07	11:59	True Color	PCU	26	
EB01A	W1572	21-0713	8/21/07	11:59	Turbidity	NTU	1.0	
EB01A	W1572	21-0824	9/25/07	11:58	Ammonia-N	mg/L	<0.02	
EB01A	W1572	21-0824	9/25/07	11:58	E. coli	CFU/100mL	40	
EB01A	W1572	21-0824	9/25/07	11:58	Hardness	mg/L	160	f
EB01A	W1572	21-0824	9/25/07	11:58	Suspended Solids	mg/L	<1.0	h
EB01A	W1572	21-0824	9/25/07	11:58	Total Nitrogen	mg/L	0.51	
EB01A	W1572	21-0824	9/25/07	11:58	Total Phosphorus	mg/L	<0.005	
EG01	W1603	21-0634	7/18/07	11:34	Aluminum - Dissolved	µg/L	66	
EG01	W1603	21-0634	7/18/07	11:34	Antimony - Dissolved	µg/L	<0.15	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
EG01	W1603	21-0634	7/18/07	11:34	Arsenic - Dissolved	µg/L	<0.51	
EG01	W1603	21-0634	7/18/07	11:34	Barium - Dissolved	µg/L	19	
EG01	W1603	21-0634	7/18/07	11:34	Beryllium - Dissolved	µg/L	0.33	b, d, j
EG01	W1603	21-0634	7/18/07	11:34	Cadmium - Dissolved	µg/L	<0.13	
EG01	W1603	21-0634	7/18/07	11:34	Calcium - Dissolved	mg/L	3.7	
EG01	W1603	21-0634	7/18/07	11:34	Chromium - Dissolved	µg/L	0.43	
EG01	W1603	21-0634	7/18/07	11:34	Cobalt - Dissolved	µg/L	<0.17	
EG01	W1603	21-0634	7/18/07	11:34	Copper - Dissolved	µg/L	##	b
EG01	W1603	21-0634	7/18/07	11:34	Hardness	mg/L as CaCO3	16	
EG01	W1603	21-0634	7/18/07	11:34	Iron - Dissolved	µg/L	42	
EG01	W1603	21-0634	7/18/07	11:34	Lead - Dissolved	µg/L	0.22	
EG01	W1603	21-0634	7/18/07	11:34	Magnesium - Dissolved	mg/L	1.6	
EG01	W1603	21-0634	7/18/07	11:34	Manganese - Dissolved	µg/L	7.2	
EG01	W1603	21-0634	7/18/07	11:34	Molybdenum - Dissolved	µg/L	<0.16	
EG01	W1603	21-0634	7/18/07	11:34	Nickel - Dissolved	µg/L	0.62	
EG01	W1603	21-0634	7/18/07	11:34	Selenium - Dissolved	µg/L	<2.6	
EG01	W1603	21-0634	7/18/07	11:34	Silver - Dissolved	µg/L	<0.13	
EG01	W1603	21-0634	7/18/07	11:34	Thallium - Dissolved	µg/L	<0.16	
EG01	W1603	21-0634	7/18/07	11:34	Vanadium - Dissolved	µg/L	0.19	
EG01	W1603	21-0634	7/18/07	11:34	Zinc - Dissolved	µg/L	2.9	
EG01	W1603	21-0751	8/22/07	11:40	Aluminum - Dissolved	µg/L	44	
EG01	W1603	21-0751	8/22/07	11:40	Antimony - Dissolved	µg/L	1.0	d
EG01	W1603	21-0751	8/22/07	11:40	Arsenic - Dissolved	µg/L	<0.51	
EG01	W1603	21-0751	8/22/07	11:40	Barium - Dissolved	µg/L	15	
EG01	W1603	21-0751	8/22/07	11:40	Beryllium - Dissolved	µg/L	<0.20	
EG01	W1603	21-0751	8/22/07	11:40	Cadmium - Dissolved	µg/L	<0.13	
EG01	W1603	21-0751	8/22/07	11:40	Calcium - Dissolved	mg/L	3.8	
EG01	W1603	21-0751	8/22/07	11:40	Chromium - Dissolved	µg/L	0.26	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
EG01	W1603	21-0751	8/22/07	11:40	Cobalt - Dissolved	µg/L	<0.17	
EG01	W1603	21-0751	8/22/07	11:40	Copper - Dissolved	µg/L	##	b
EG01	W1603	21-0751	8/22/07	11:40	Hardness	mg/L as CaCO3	17	
EG01	W1603	21-0751	8/22/07	11:40	Iron - Dissolved	µg/L	35	
EG01	W1603	21-0751	8/22/07	11:40	Lead - Dissolved	µg/L	<0.14	d
EG01	W1603	21-0751	8/22/07	11:40	Magnesium - Dissolved	mg/L	1.7	
EG01	W1603	21-0751	8/22/07	11:40	Manganese - Dissolved	µg/L	6.9	
EG01	W1603	21-0751	8/22/07	11:40	Molybdenum - Dissolved	µg/L	<0.16	d
EG01	W1603	21-0751	8/22/07	11:40	Nickel - Dissolved	µg/L	0.51	
EG01	W1603	21-0751	8/22/07	11:40	Selenium - Dissolved	µg/L	<2.6	
EG01	W1603	21-0751	8/22/07	11:40	Silver - Dissolved	µg/L	<0.13	
EG01	W1603	21-0751	8/22/07	11:40	Thallium - Dissolved	µg/L	<0.16	
EG01	W1603	21-0751	8/22/07	11:40	Vanadium - Dissolved	µg/L	<0.15	
EG01	W1603	21-0751	8/22/07	11:40	Zinc - Dissolved	µg/L	2.0	
EG01	W1603	21-0754	9/18/07	10:50	Aluminum - Dissolved	µg/L	67	f
EG01	W1603	21-0754	9/18/07	10:50	Antimony - Dissolved	µg/L	<0.15	f
EG01	W1603	21-0754	9/18/07	10:50	Arsenic - Dissolved	µg/L	<0.51	f
EG01	W1603	21-0754	9/18/07	10:50	Barium - Dissolved	µg/L	16	f
EG01	W1603	21-0754	9/18/07	10:50	Beryllium - Dissolved	µg/L	0.36	b, f, j
EG01	W1603	21-0754	9/18/07	10:50	Cadmium - Dissolved	µg/L	<0.13	f
EG01	W1603	21-0754	9/18/07	10:50	Calcium - Dissolved	mg/L	3.8	f
EG01	W1603	21-0754	9/18/07	10:50	Chromium - Dissolved	µg/L	0.48	f
EG01	W1603	21-0754	9/18/07	10:50	Cobalt - Dissolved	µg/L	<0.17	f
EG01	W1603	21-0754	9/18/07	10:50	Copper - Dissolved	µg/L	##	b, f
EG01	W1603	21-0754	9/18/07	10:50	Hardness	mg/L as CaCO3	17	f
EG01	W1603	21-0754	9/18/07	10:50	Iron - Dissolved	µg/L	53	f
EG01	W1603	21-0754	9/18/07	10:50	Lead - Dissolved	µg/L	<0.14	f
EG01	W1603	21-0754	9/18/07	10:50	Magnesium - Dissolved	mg/L	1.7	f

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
EG01	W1603	21-0754	9/18/07	10:50	Manganese - Dissolved	µg/L	6.2	f
EG01	W1603	21-0754	9/18/07	10:50	Molybdenum - Dissolved	µg/L	<0.16	f
EG01	W1603	21-0754	9/18/07	10:50	Nickel - Dissolved	µg/L	0.57	f
EG01	W1603	21-0754	9/18/07	10:50	Selenium - Dissolved	µg/L	<2.6	f
EG01	W1603	21-0754	9/18/07	10:50	Silver - Dissolved	µg/L	0.18	f
EG01	W1603	21-0754	9/18/07	10:50	Thallium - Dissolved	µg/L	<0.16	f
EG01	W1603	21-0754	9/18/07	10:50	Vanadium - Dissolved	µg/L	0.22	f
EG01	W1603	21-0754	9/18/07	10:50	Zinc - Dissolved	µg/L	1.6	f
HB	W1115	21-0370	5/8/07	11:37	Ammonia-N	mg/L	0.05	
HB	W1115	21-0370	5/8/07	11:37	Apparent Color	PCU	<15	
HB	W1115	21-0370	5/8/07	11:37	E. coli	CFU/100mL	4	
HB	W1115	21-0370	5/8/07	11:37	Suspended Solids	mg/L	4.9	
HB	W1115	21-0370	5/8/07	11:37	Total Nitrogen	mg/L	0.27	
HB	W1115	21-0370	5/8/07	11:37	Total Phosphorus	mg/L	0.014	
HB	W1115	21-0370	5/8/07	11:37	True Color	PCU	<15	
HB	W1115	21-0370	5/8/07	11:37	Turbidity	NTU	2.6	
HB	W1115	21-0428	6/12/07	11:04	Ammonia-N	mg/L	0.02	
HB	W1115	21-0428	6/12/07	11:04	Apparent Color	PCU	30	
HB	W1115	21-0428	6/12/07	11:04	E. coli	CFU/100mL	52	
HB	W1115	21-0428	6/12/07	11:04	Suspended Solids	mg/L	4.2	
HB	W1115	21-0428	6/12/07	11:04	Total Nitrogen	mg/L	0.35	
HB	W1115	21-0428	6/12/07	11:04	Total Phosphorus	mg/L	0.019	
HB	W1115	21-0428	6/12/07	11:04	True Color	PCU	25	
HB	W1115	21-0428	6/12/07	11:04	Turbidity	NTU	2.4	
HB	W1115	21-0616	7/17/07	10:53	Ammonia-N	mg/L	0.04	
HB	W1115	21-0616	7/17/07	10:53	Apparent Color	PCU	38	
HB	W1115	21-0616	7/17/07	10:53	E. coli	CFU/100mL	320	
HB	W1115	21-0616	7/17/07	10:53	Suspended Solids	mg/L	4.0	
HB	W1115	21-0616	7/17/07	10:53	Total Nitrogen	mg/L	0.41	
HB	W1115	21-0616	7/17/07	10:53	Total Phosphorus	mg/L	0.022	
HB	W1115	21-0616	7/17/07	10:53	True Color	PCU	29	
HB	W1115	21-0616	7/17/07	10:53	Turbidity	NTU	2.9	
HB	W1115	21-0732	8/21/07	10:53	Ammonia-N	mg/L	0.02	
HB	W1115	21-0732	8/21/07	10:53	Apparent Color	PCU	29	
HB	W1115	21-0732	8/21/07	10:53	E. coli	CFU/100mL	110	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
HB	W1115	21-0732	8/21/07	10:53	Suspended Solids	mg/L	4.7	
HB	W1115	21-0732	8/21/07	10:53	Total Nitrogen	mg/L	0.26	
HB	W1115	21-0732	8/21/07	10:53	Total Phosphorus	mg/L	0.021	
HB	W1115	21-0732	8/21/07	10:53	True Color	PCU	22	
HB	W1115	21-0732	8/21/07	10:53	Turbidity	NTU	4.1	
HB	W1115	21-0843	9/25/07	10:54	Ammonia-N	mg/L	<0.02	
HB	W1115	21-0843	9/25/07	10:54	E. coli	CFU/100mL	340	
HB	W1115	21-0843	9/25/07	10:54	Suspended Solids	mg/L	4.8	h
HB	W1115	21-0843	9/25/07	10:54	Total Nitrogen	mg/L	0.24	
HB	W1115	21-0843	9/25/07	10:54	Total Phosphorus	mg/L	0.023	
HW01	W1575	21-0357	5/8/07	11:24	Ammonia-N	mg/L	0.02	
HW01	W1575	21-0357	5/8/07	11:24	Apparent Color	PCU	<15	
HW01	W1575	21-0357	5/8/07	11:24	E. coli	CFU/100mL	30	
HW01	W1575	21-0357	5/8/07	11:24	Suspended Solids	mg/L	2.7	
HW01	W1575	21-0357	5/8/07	11:24	Total Nitrogen	mg/L	0.48	
HW01	W1575	21-0357	5/8/07	11:24	Total Phosphorus	mg/L	0.015	d
HW01	W1575	21-0357	5/8/07	11:24	True Color	PCU	<15	
HW01	W1575	21-0357	5/8/07	11:24	Turbidity	NTU	2.3	
HW01	W1575	21-0415	6/12/07	11:58	Ammonia-N	mg/L	0.04	
HW01	W1575	21-0415	6/12/07	11:58	Apparent Color	PCU	<15	
HW01	W1575	21-0415	6/12/07	11:58	E. coli	CFU/100mL	448	
HW01	W1575	21-0415	6/12/07	11:58	Suspended Solids	mg/L	7.0	
HW01	W1575	21-0415	6/12/07	11:58	Total Nitrogen	mg/L	0.47	
HW01	W1575	21-0415	6/12/07	11:58	Total Phosphorus	mg/L	0.034	
HW01	W1575	21-0415	6/12/07	11:58	True Color	PCU	<15	
HW01	W1575	21-0415	6/12/07	11:58	Turbidity	NTU	5.9	
HW01	W1575	21-0603	7/17/07	11:53	Ammonia-N	mg/L	0.04	
HW01	W1575	21-0603	7/17/07	11:53	Apparent Color	PCU	26	
HW01	W1575	21-0603	7/17/07	11:53	E. coli	CFU/100mL	432	
HW01	W1575	21-0603	7/17/07	11:53	Suspended Solids	mg/L	3.0	
HW01	W1575	21-0603	7/17/07	11:53	Total Nitrogen	mg/L	0.42	
HW01	W1575	21-0603	7/17/07	11:53	Total Phosphorus	mg/L	0.024	
HW01	W1575	21-0603	7/17/07	11:53	True Color	PCU	<15	
HW01	W1575	21-0603	7/17/07	11:53	Turbidity	NTU	2.3	
HW01	W1575	21-0719	8/21/07	10:52	Ammonia-N	mg/L	0.07	
HW01	W1575	21-0719	8/21/07	10:52	Apparent Color	PCU	27	
HW01	W1575	21-0719	8/21/07	10:52	E. coli	CFU/100mL	160	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
HW01	W1575	21-0719	8/21/07	10:52	Suspended Solids	mg/L	1.7	
HW01	W1575	21-0719	8/21/07	10:52	Total Nitrogen	mg/L	0.48	
HW01	W1575	21-0719	8/21/07	10:52	Total Phosphorus	mg/L	0.033	
HW01	W1575	21-0719	8/21/07	10:52	True Color	PCU	<15	
HW01	W1575	21-0719	8/21/07	10:52	Turbidity	NTU	2.8	
HW01	W1575	21-0830	9/25/07	10:55	Ammonia-N	mg/L	0.04	
HW01	W1575	21-0830	9/25/07	10:55	E. coli	CFU/100mL	140	
HW01	W1575	21-0830	9/25/07	10:55	Suspended Solids	mg/L	2.6	h
HW01	W1575	21-0830	9/25/07	10:55	Total Nitrogen	mg/L	0.42	
HW01	W1575	21-0830	9/25/07	10:55	Total Phosphorus	mg/L	0.028	
KR01	W0371	21-0380	5/8/07	11:35	Ammonia-N	mg/L	<0.02	
KR01	W0371	21-0380	5/8/07	11:35	Apparent Color	PCU	<15	
KR01	W0371	21-0380	5/8/07	11:35	E. coli	CFU/100mL	10	
KR01	W0371	21-0380	5/8/07	11:35	Hardness	mg/L	130	
KR01	W0371	21-0380	5/8/07	11:35	Suspended Solids	mg/L	3.2	
KR01	W0371	21-0380	5/8/07	11:35	Total Nitrogen	mg/L	0.49	
KR01	W0371	21-0380	5/8/07	11:35	Total Phosphorus	mg/L	0.011	
KR01	W0371	21-0380	5/8/07	11:35	True Color	PCU	<15	
KR01	W0371	21-0380	5/8/07	11:35	Turbidity	NTU	2.1	d
KR01	W0371	21-0438	6/12/07	11:27	Ammonia-N	mg/L	<0.02	
KR01	W0371	21-0438	6/12/07	11:27	Apparent Color	PCU	15	
KR01	W0371	21-0438	6/12/07	11:27	E. coli	CFU/100mL	134	
KR01	W0371	21-0438	6/12/07	11:27	Suspended Solids	mg/L	4.2	
KR01	W0371	21-0438	6/12/07	11:27	Total Nitrogen	mg/L	0.56	
KR01	W0371	21-0438	6/12/07	11:27	Total Phosphorus	mg/L	0.017	
KR01	W0371	21-0438	6/12/07	11:27	True Color	PCU	<15	
KR01	W0371	21-0438	6/12/07	11:27	Turbidity	NTU	2.2	
KR01	W0371	21-0626	7/17/07	11:31	Ammonia-N	mg/L	0.03	
KR01	W0371	21-0626	7/17/07	11:31	Apparent Color	PCU	25	
KR01	W0371	21-0626	7/17/07	11:31	E. coli	CFU/100mL	130	
KR01	W0371	21-0626	7/17/07	11:31	Hardness	mg/L	140	
KR01	W0371	21-0626	7/17/07	11:31	Suspended Solids	mg/L	3.3	
KR01	W0371	21-0626	7/17/07	11:31	Total Nitrogen	mg/L	0.53	
KR01	W0371	21-0626	7/17/07	11:31	Total Phosphorus	mg/L	0.014	
KR01	W0371	21-0626	7/17/07	11:31	True Color	PCU	19	
KR01	W0371	21-0626	7/17/07	11:31	Turbidity	NTU	1.8	
KR01	W0371	21-0742	8/21/07	11:31	Ammonia-N	mg/L	<0.02	
KR01	W0371	21-0742	8/21/07	11:31	Apparent Color	PCU	17	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
KR01	W0371	21-0742	8/21/07	11:31	E. coli	CFU/100mL	130	
KR01	W0371	21-0742	8/21/07	11:31	Suspended Solids	mg/L	1.5	
KR01	W0371	21-0742	8/21/07	11:31	Total Nitrogen	mg/L	0.63	
KR01	W0371	21-0742	8/21/07	11:31	Total Phosphorus	mg/L	0.013	
KR01	W0371	21-0742	8/21/07	11:31	True Color	PCU	<15	
KR01	W0371	21-0742	8/21/07	11:31	Turbidity	NTU	1.2	
KR01	W0371	21-0853	9/25/07	11:50	Ammonia-N	mg/L	<0.02	
KR01	W0371	21-0853	9/25/07	11:50	E. coli	CFU/100mL	440	p
KR01	W0371	21-0853	9/25/07	11:50	Hardness	mg/L	180	f
KR01	W0371	21-0853	9/25/07	11:50	Suspended Solids	mg/L	1.4	h
KR01	W0371	21-0853	9/25/07	11:50	Total Nitrogen	mg/L	0.72	
KR01	W0371	21-0853	9/25/07	11:50	Total Phosphorus	mg/L	0.015	
KR05	W0375	21-0381	5/8/07	12:00	Ammonia-N	mg/L	<0.02	
KR05	W0375	21-0381	5/8/07	12:00	Apparent Color	PCU	<15	
KR05	W0375	21-0381	5/8/07	12:00	E. coli	CFU/100mL	10	
KR05	W0375	21-0381	5/8/07	12:00	Hardness	mg/L	100	
KR05	W0375	21-0381	5/8/07	12:00	Suspended Solids	mg/L	1.1	
KR05	W0375	21-0381	5/8/07	12:00	Total Nitrogen	mg/L	0.21	
KR05	W0375	21-0381	5/8/07	12:00	Total Phosphorus	mg/L	0.007	
KR05	W0375	21-0381	5/8/07	12:00	True Color	PCU	<15	
KR05	W0375	21-0381	5/8/07	12:00	Turbidity	NTU	1.0	d
KR05	W0375	21-0439	6/12/07	11:53	Ammonia-N	mg/L	<0.02	
KR05	W0375	21-0439	6/12/07	11:53	Apparent Color	PCU	17	
KR05	W0375	21-0439	6/12/07	11:53	E. coli	CFU/100mL	24	
KR05	W0375	21-0439	6/12/07	11:53	Suspended Solids	mg/L	1.6	
KR05	W0375	21-0439	6/12/07	11:53	Total Nitrogen	mg/L	0.28	
KR05	W0375	21-0439	6/12/07	11:53	Total Phosphorus	mg/L	0.008	
KR05	W0375	21-0439	6/12/07	11:53	True Color	PCU	<15	
KR05	W0375	21-0439	6/12/07	11:53	Turbidity	NTU	1.0	
KR05	W0375	21-0627	7/17/07	11:54	Ammonia-N	mg/L	<0.02	
KR05	W0375	21-0627	7/17/07	11:54	Apparent Color	PCU	19	
KR05	W0375	21-0627	7/17/07	11:54	E. coli	CFU/100mL	180	
KR05	W0375	21-0627	7/17/07	11:54	Hardness	mg/L	100	
KR05	W0375	21-0627	7/17/07	11:54	Suspended Solids	mg/L	1.9	
KR05	W0375	21-0627	7/17/07	11:54	Total Nitrogen	mg/L	0.32	
KR05	W0375	21-0627	7/17/07	11:54	Total Phosphorus	mg/L	0.010	
KR05	W0375	21-0627	7/17/07	11:54	True Color	PCU	17	
KR05	W0375	21-0627	7/17/07	11:54	Turbidity	NTU	1.2	
KR05	W0375	21-0743	8/21/07	11:50	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
KR05	W0375	21-0743	8/21/07	11:50	Apparent Color	PCU	16	
KR05	W0375	21-0743	8/21/07	11:50	E. coli	CFU/100mL	20	
KR05	W0375	21-0743	8/21/07	11:50	Suspended Solids	mg/L	1.0	
KR05	W0375	21-0743	8/21/07	11:50	Total Nitrogen	mg/L	0.18	
KR05	W0375	21-0743	8/21/07	11:50	Total Phosphorus	mg/L	0.005	
KR05	W0375	21-0743	8/21/07	11:50	True Color	PCU	<15	
KR05	W0375	21-0743	8/21/07	11:50	Turbidity	NTU	0.9	
KR05	W0375	21-0854	9/25/07	12:11	Ammonia-N	mg/L	<0.02	
KR05	W0375	21-0854	9/25/07	12:11	E. coli	CFU/100mL	<20	
KR05	W0375	21-0854	9/25/07	12:11	Hardness	mg/L	170	f
KR05	W0375	21-0854	9/25/07	12:11	Suspended Solids	mg/L	<1.0	h
KR05	W0375	21-0854	9/25/07	12:11	Total Nitrogen	mg/L	0.17	
KR05	W0375	21-0854	9/25/07	12:11	Total Phosphorus	mg/L	<0.005	
KR07	W0377	21-0382	5/8/07	12:34	Ammonia-N	mg/L	<0.02	
KR07	W0377	21-0382	5/8/07	12:34	Apparent Color	PCU	<15	
KR07	W0377	21-0382	5/8/07	12:34	E. coli	CFU/100mL	0	a
KR07	W0377	21-0382	5/8/07	12:34	Suspended Solids	mg/L	2.6	
KR07	W0377	21-0382	5/8/07	12:34	Total Nitrogen	mg/L	0.25	
KR07	W0377	21-0382	5/8/07	12:34	Total Phosphorus	mg/L	0.009	
KR07	W0377	21-0382	5/8/07	12:34	True Color	PCU	<15	
KR07	W0377	21-0382	5/8/07	12:34	Turbidity	NTU	1.7	d
KR07	W0377	21-0440	6/12/07	12:15	Ammonia-N	mg/L	<0.02	
KR07	W0377	21-0440	6/12/07	12:15	Apparent Color	PCU	22	
KR07	W0377	21-0440	6/12/07	12:15	E. coli	CFU/100mL	14	
KR07	W0377	21-0440	6/12/07	12:15	Suspended Solids	mg/L	3.1	
KR07	W0377	21-0440	6/12/07	12:15	Total Nitrogen	mg/L	0.28	
KR07	W0377	21-0440	6/12/07	12:15	Total Phosphorus	mg/L	0.011	
KR07	W0377	21-0440	6/12/07	12:15	True Color	PCU	15	
KR07	W0377	21-0440	6/12/07	12:15	Turbidity	NTU	1.0	d
KR07	W0377	21-0628	7/17/07	12:24	Ammonia-N	mg/L	<0.02	
KR07	W0377	21-0628	7/17/07	12:24	Apparent Color	PCU	23	
KR07	W0377	21-0628	7/17/07	12:24	E. coli	CFU/100mL	160	d
KR07	W0377	21-0628	7/17/07	12:24	Suspended Solids	mg/L	2.9	
KR07	W0377	21-0628	7/17/07	12:24	Total Nitrogen	mg/L	0.33	
KR07	W0377	21-0628	7/17/07	12:24	Total Phosphorus	mg/L	0.012	
KR07	W0377	21-0628	7/17/07	12:24	True Color	PCU	<15	
KR07	W0377	21-0628	7/17/07	12:24	Turbidity	NTU	1.1	
KR07	W0377	21-0744	8/21/07	12:24	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
KR07	W0377	21-0744	8/21/07	12:24	Apparent Color	PCU	22	d
KR07	W0377	21-0744	8/21/07	12:24	E. coli	CFU/100mL	10	
KR07	W0377	21-0744	8/21/07	12:24	Suspended Solids	mg/L	<1.0	
KR07	W0377	21-0744	8/21/07	12:24	Total Nitrogen	mg/L	0.18	
KR07	W0377	21-0744	8/21/07	12:24	Total Phosphorus	mg/L	0.006	
KR07	W0377	21-0744	8/21/07	12:24	True Color	PCU	<15	
KR07	W0377	21-0744	8/21/07	12:24	Turbidity	NTU	0.8	
KR07	W0377	21-0855	9/25/07	12:40	Ammonia-N	mg/L	<0.02	
KR07	W0377	21-0855	9/25/07	12:40	E. coli	CFU/100mL	20	
KR07	W0377	21-0855	9/25/07	12:40	Suspended Solids	mg/L	<1.0	h
KR07	W0377	21-0855	9/25/07	12:40	Total Nitrogen	mg/L	0.18	
KR07	W0377	21-0855	9/25/07	12:40	Total Phosphorus	mg/L	0.007	
LW01	W1561	21-0366	5/8/07	10:49	Ammonia-N	mg/L	<0.02	
LW01	W1561	21-0366	5/8/07	10:49	Apparent Color	PCU	<15	
LW01	W1561	21-0366	5/8/07	10:49	E. coli	CFU/100mL	0	a
LW01	W1561	21-0366	5/8/07	10:49	Suspended Solids	mg/L	1.6	
LW01	W1561	21-0366	5/8/07	10:49	Total Nitrogen	mg/L	0.33	
LW01	W1561	21-0366	5/8/07	10:49	Total Phosphorus	mg/L	0.009	
LW01	W1561	21-0366	5/8/07	10:49	True Color	PCU	<15	
LW01	W1561	21-0366	5/8/07	10:49	Turbidity	NTU	1.1	
LW01	W1561	21-0424	6/12/07	11:58	Ammonia-N	mg/L	<0.02	
LW01	W1561	21-0424	6/12/07	11:58	Apparent Color	PCU	21	
LW01	W1561	21-0424	6/12/07	11:58	E. coli	CFU/100mL	40	
LW01	W1561	21-0424	6/12/07	11:58	Suspended Solids	mg/L	3.0	
LW01	W1561	21-0424	6/12/07	11:58	Total Nitrogen	mg/L	0.35	
LW01	W1561	21-0424	6/12/07	11:58	Total Phosphorus	mg/L	0.016	
LW01	W1561	21-0424	6/12/07	11:58	True Color	PCU	<15	
LW01	W1561	21-0424	6/12/07	11:58	Turbidity	NTU	1.3	
LW01	W1561	21-0612	7/17/07	11:33	Ammonia-N	mg/L	0.02	
LW01	W1561	21-0612	7/17/07	11:33	Apparent Color	PCU	28	
LW01	W1561	21-0612	7/17/07	11:33	E. coli	CFU/100mL	110	
LW01	W1561	21-0612	7/17/07	11:33	Suspended Solids	mg/L	1.2	
LW01	W1561	21-0612	7/17/07	11:33	Total Nitrogen	mg/L	0.36	
LW01	W1561	21-0612	7/17/07	11:33	Total Phosphorus	mg/L	0.010	
LW01	W1561	21-0612	7/17/07	11:33	True Color	PCU	15	
LW01	W1561	21-0612	7/17/07	11:33	Turbidity	NTU	1.6	
LW01	W1561	21-0728	8/21/07	11:30	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
LW01	W1561	21-0728	8/21/07	11:30	Apparent Color	PCU	35	
LW01	W1561	21-0728	8/21/07	11:30	E. coli	CFU/100mL	30	
LW01	W1561	21-0728	8/21/07	11:30	Suspended Solids	mg/L	<1.0	
LW01	W1561	21-0728	8/21/07	11:30	Total Nitrogen	mg/L	0.33	
LW01	W1561	21-0728	8/21/07	11:30	Total Phosphorus	mg/L	0.011	
LW01	W1561	21-0728	8/21/07	11:30	True Color	PCU	19	
LW01	W1561	21-0728	8/21/07	11:30	Turbidity	NTU	2.1	
LW01	W1561	21-0839	9/25/07	11:32	Ammonia-N	mg/L	<0.02	
LW01	W1561	21-0839	9/25/07	11:32	E. coli	CFU/100mL	60	
LW01	W1561	21-0839	9/25/07	11:32	Suspended Solids	mg/L	<1.0	h
LW01	W1561	21-0839	9/25/07	11:32	Total Nitrogen	mg/L	0.25	
LW01	W1561	21-0839	9/25/07	11:32	Total Phosphorus	mg/L	0.008	
OB01	W1570	21-0355	5/8/07	10:50	Ammonia-N	mg/L	<0.02	
OB01	W1570	21-0355	5/8/07	10:50	Apparent Color	PCU	<15	
OB01	W1570	21-0355	5/8/07	10:50	E. coli	CFU/100mL	<2	
OB01	W1570	21-0355	5/8/07	10:50	Suspended Solids	mg/L	4.0	
OB01	W1570	21-0355	5/8/07	10:50	Total Nitrogen	mg/L	0.37	
OB01	W1570	21-0355	5/8/07	10:50	Total Phosphorus	mg/L	0.013	d
OB01	W1570	21-0355	5/8/07	10:50	True Color	PCU	<15	
OB01	W1570	21-0355	5/8/07	10:50	Turbidity	NTU	2.5	
OB01	W1570	21-0413	6/12/07	11:28	Ammonia-N	mg/L	0.04	
OB01	W1570	21-0413	6/12/07	11:28	Apparent Color	PCU	<15	
OB01	W1570	21-0413	6/12/07	11:28	E. coli	CFU/100mL	<2	
OB01	W1570	21-0413	6/12/07	11:28	Suspended Solids	mg/L	4.4	
OB01	W1570	21-0413	6/12/07	11:28	Total Nitrogen	mg/L	0.45	
OB01	W1570	21-0413	6/12/07	11:28	Total Phosphorus	mg/L	0.020	
OB01	W1570	21-0413	6/12/07	11:28	True Color	PCU	<15	
OB01	W1570	21-0413	6/12/07	11:28	Turbidity	NTU	2.4	
OB01	W1570	21-0601	7/17/07	11:24	Ammonia-N	mg/L	0.02	
OB01	W1570	21-0601	7/17/07	11:24	Apparent Color	PCU	17	
OB01	W1570	21-0601	7/17/07	11:24	E. coli	CFU/100mL	96	
OB01	W1570	21-0601	7/17/07	11:24	Suspended Solids	mg/L	3.2	
OB01	W1570	21-0601	7/17/07	11:24	Total Nitrogen	mg/L	0.41	
OB01	W1570	21-0601	7/17/07	11:24	Total Phosphorus	mg/L	0.016	
OB01	W1570	21-0601	7/17/07	11:24	True Color	PCU	<15	
OB01	W1570	21-0601	7/17/07	11:24	Turbidity	NTU	2.4	
OB01	W1570	21-0717	8/21/07	11:16	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
OB01	W1570	21-0717	8/21/07	11:16	Apparent Color	PCU	20	
OB01	W1570	21-0717	8/21/07	11:16	E. coli	CFU/100mL	40	
OB01	W1570	21-0717	8/21/07	11:16	Suspended Solids	mg/L	1.8	
OB01	W1570	21-0717	8/21/07	11:16	Total Nitrogen	mg/L	0.48	
OB01	W1570	21-0717	8/21/07	11:16	Total Phosphorus	mg/L	0.013	
OB01	W1570	21-0717	8/21/07	11:16	True Color	PCU	16	
OB01	W1570	21-0717	8/21/07	11:16	Turbidity	NTU	2.3	
OB01	W1570	21-0828	9/25/07	11:18	Ammonia-N	mg/L	0.02	
OB01	W1570	21-0828	9/25/07	11:18	E. coli	CFU/100mL	<20	
OB01	W1570	21-0828	9/25/07	11:18	Suspended Solids	mg/L	1.4	h
OB01	W1570	21-0828	9/25/07	11:18	Total Nitrogen	mg/L	0.45	
OB01	W1570	21-0828	9/25/07	11:18	Total Phosphorus	mg/L	0.013	
RA01	W1569	21-0385	5/8/07	13:15	Ammonia-N	mg/L	<0.02	
RA01	W1569	21-0385	5/8/07	13:15	Apparent Color	PCU	28	
RA01	W1569	21-0385	5/8/07	13:15	E. coli	CFU/100mL	6	
RA01	W1569	21-0385	5/8/07	13:15	Suspended Solids	mg/L	1.1	
RA01	W1569	21-0385	5/8/07	13:15	Total Nitrogen	mg/L	0.20	
RA01	W1569	21-0385	5/8/07	13:15	Total Phosphorus	mg/L	0.008	
RA01	W1569	21-0385	5/8/07	13:15	True Color	PCU	25	
RA01	W1569	21-0385	5/8/07	13:15	Turbidity	NTU	1.0	d
RA01	W1569	21-0443	6/12/07	13:11	Ammonia-N	mg/L	<0.02	
RA01	W1569	21-0443	6/12/07	13:11	Apparent Color	PCU	30	
RA01	W1569	21-0443	6/12/07	13:11	E. coli	CFU/100mL	20	
RA01	W1569	21-0443	6/12/07	13:11	Suspended Solids	mg/L	1.6	
RA01	W1569	21-0443	6/12/07	13:11	Total Nitrogen	mg/L	0.32	
RA01	W1569	21-0443	6/12/07	13:11	Total Phosphorus	mg/L	0.013	
RA01	W1569	21-0443	6/12/07	13:11	True Color	PCU	20	
RA01	W1569	21-0443	6/12/07	13:11	Turbidity	NTU	1.4	
RA01	W1569	21-0631	7/17/07	13:27	Ammonia-N	mg/L	0.02	
RA01	W1569	21-0631	7/17/07	13:27	Apparent Color	PCU	38	
RA01	W1569	21-0631	7/17/07	13:27	E. coli	CFU/100mL	80	
RA01	W1569	21-0631	7/17/07	13:27	Suspended Solids	mg/L	<1.0	
RA01	W1569	21-0631	7/17/07	13:27	Total Nitrogen	mg/L	0.39	
RA01	W1569	21-0631	7/17/07	13:27	Total Phosphorus	mg/L	0.014	
RA01	W1569	21-0631	7/17/07	13:27	True Color	PCU	28	
RA01	W1569	21-0631	7/17/07	13:27	Turbidity	NTU	1.4	
RA01	W1569	21-0747	8/21/07	13:15	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
RA01	W1569	21-0747	8/21/07	13:15	Apparent Color	PCU	30	
RA01	W1569	21-0747	8/21/07	13:15	E. coli	CFU/100mL	10	
RA01	W1569	21-0747	8/21/07	13:15	Suspended Solids	mg/L	<1.0	
RA01	W1569	21-0747	8/21/07	13:15	Total Nitrogen	mg/L	0.23	
RA01	W1569	21-0747	8/21/07	13:15	Total Phosphorus	mg/L	0.007	
RA01	W1569	21-0747	8/21/07	13:15	True Color	PCU	23	
RA01	W1569	21-0747	8/21/07	13:15	Turbidity	NTU	0.9	
RA01	W1569	21-0858	9/25/07	13:17	Ammonia-N	mg/L	<0.02	
RA01	W1569	21-0858	9/25/07	13:17	E. coli	CFU/100mL	20	
RA01	W1569	21-0858	9/25/07	13:17	Suspended Solids	mg/L	<1.0	h
RA01	W1569	21-0858	9/25/07	13:17	Total Nitrogen	mg/L	0.18	
RA01	W1569	21-0858	9/25/07	13:17	Total Phosphorus	mg/L	0.005	
SA01	W1563	21-0360	5/8/07	12:08	Ammonia-N	mg/L	<0.02	
SA01	W1563	21-0360	5/8/07	12:08	Apparent Color	PCU	<15	
SA01	W1563	21-0360	5/8/07	12:08	E. coli	CFU/100mL	<2	
SA01	W1563	21-0360	5/8/07	12:08	Suspended Solids	mg/L	<1.0	
SA01	W1563	21-0360	5/8/07	12:08	Total Nitrogen	mg/L	0.43	
SA01	W1563	21-0360	5/8/07	12:08	Total Phosphorus	mg/L	<0.005	d
SA01	W1563	21-0360	5/8/07	12:08	True Color	PCU	<15	
SA01	W1563	21-0360	5/8/07	12:08	Turbidity	NTU	0.7	
SA01	W1563	21-0418	6/12/07	12:32	Ammonia-N	mg/L	<0.02	
SA01	W1563	21-0418	6/12/07	12:32	Apparent Color	PCU	<15	
SA01	W1563	21-0418	6/12/07	12:32	E. coli	CFU/100mL	64	
SA01	W1563	21-0418	6/12/07	12:32	Suspended Solids	mg/L	1.4	
SA01	W1563	21-0418	6/12/07	12:32	Total Nitrogen	mg/L	0.40	
SA01	W1563	21-0418	6/12/07	12:32	Total Phosphorus	mg/L	0.006	
SA01	W1563	21-0418	6/12/07	12:32	True Color	PCU	<15	
SA01	W1563	21-0418	6/12/07	12:32	Turbidity	NTU	0.7	
SA01	W1563	21-0606	7/17/07	12:30	Ammonia-N	mg/L	0.02	
SA01	W1563	21-0606	7/17/07	12:30	Apparent Color	PCU	<15	
SA01	W1563	21-0606	7/17/07	12:30	E. coli	CFU/100mL	112	
SA01	W1563	21-0606	7/17/07	12:30	Suspended Solids	mg/L	<1.0	
SA01	W1563	21-0606	7/17/07	12:30	Total Nitrogen	mg/L	0.54	
SA01	W1563	21-0606	7/17/07	12:30	Total Phosphorus	mg/L	<0.005	
SA01	W1563	21-0606	7/17/07	12:30	True Color	PCU	<15	
SA01	W1563	21-0606	7/17/07	12:30	Turbidity	NTU	<0.5	
SA01	W1563	21-0722	8/21/07	10:02	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
SA01	W1563	21-0722	8/21/07	10:02	Apparent Color	PCU	18	
SA01	W1563	21-0722	8/21/07	10:02	E. coli	CFU/100mL	60	
SA01	W1563	21-0722	8/21/07	10:02	Suspended Solids	mg/L	<1.0	
SA01	W1563	21-0722	8/21/07	10:02	Total Nitrogen	mg/L	0.37	
SA01	W1563	21-0722	8/21/07	10:02	Total Phosphorus	mg/L	<0.005	
SA01	W1563	21-0722	8/21/07	10:02	True Color	PCU	<15	
SA01	W1563	21-0722	8/21/07	10:02	Turbidity	NTU	1.1	
SA01	W1563	21-0833	9/25/07	10:05	Ammonia-N	mg/L	<0.02	
SA01	W1563	21-0833	9/25/07	10:05	E. coli	CFU/100mL	80	
SA01	W1563	21-0833	9/25/07	10:05	Suspended Solids	mg/L	<1.0	h
SA01	W1563	21-0833	9/25/07	10:05	Total Nitrogen	mg/L	0.33	
SA01	W1563	21-0833	9/25/07	10:05	Total Phosphorus	mg/L	<0.005	
SC01	W1559	21-0378	5/8/07	10:48	Ammonia-N	mg/L	0.04	
SC01	W1559	21-0378	5/8/07	10:48	Apparent Color	PCU	22	
SC01	W1559	21-0378	5/8/07	10:48	E. coli	CFU/100mL	6	
SC01	W1559	21-0378	5/8/07	10:48	Suspended Solids	mg/L	5.2	
SC01	W1559	21-0378	5/8/07	10:48	Total Nitrogen	mg/L	0.31	
SC01	W1559	21-0378	5/8/07	10:48	Total Phosphorus	mg/L	0.016	
SC01	W1559	21-0378	5/8/07	10:48	True Color	PCU	20	
SC01	W1559	21-0378	5/8/07	10:48	Turbidity	NTU	4.3	d
SC01	W1559	21-0436	6/12/07	10:52	Ammonia-N	mg/L	0.04	
SC01	W1559	21-0436	6/12/07	10:52	Apparent Color	PCU	33	
SC01	W1559	21-0436	6/12/07	10:52	E. coli	CFU/100mL	140	
SC01	W1559	21-0436	6/12/07	10:52	Suspended Solids	mg/L	4.6	
SC01	W1559	21-0436	6/12/07	10:52	Total Nitrogen	mg/L	0.41	
SC01	W1559	21-0436	6/12/07	10:52	Total Phosphorus	mg/L	0.021	
SC01	W1559	21-0436	6/12/07	10:52	True Color	PCU	22	
SC01	W1559	21-0436	6/12/07	10:52	Turbidity	NTU	3.3	
SC01	W1559	21-0624	7/17/07	10:52	Ammonia-N	mg/L	0.04	
SC01	W1559	21-0624	7/17/07	10:52	Apparent Color	PCU	35	
SC01	W1559	21-0624	7/17/07	10:52	E. coli	CFU/100mL	84	
SC01	W1559	21-0624	7/17/07	10:52	Suspended Solids	mg/L	3.9	
SC01	W1559	21-0624	7/17/07	10:52	Total Nitrogen	mg/L	0.51	
SC01	W1559	21-0624	7/17/07	10:52	Total Phosphorus	mg/L	0.021	
SC01	W1559	21-0624	7/17/07	10:52	True Color	PCU	30	
SC01	W1559	21-0624	7/17/07	10:52	Turbidity	NTU	2.4	
SC01	W1559	21-0740	8/21/07	10:50	Ammonia-N	mg/L	0.03	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
SC01	W1559	21-0740	8/21/07	10:50	Apparent Color	PCU	30	
SC01	W1559	21-0740	8/21/07	10:50	E. coli	CFU/100mL	90	
SC01	W1559	21-0740	8/21/07	10:50	Suspended Solids	mg/L	2.5	
SC01	W1559	21-0740	8/21/07	10:50	Total Nitrogen	mg/L	0.40	
SC01	W1559	21-0740	8/21/07	10:50	Total Phosphorus	mg/L	0.021	
SC01	W1559	21-0740	8/21/07	10:50	True Color	PCU	26	
SC01	W1559	21-0740	8/21/07	10:50	Turbidity	NTU	3.1	
SC01	W1559	21-0851	9/25/07	11:06	Ammonia-N	mg/L	0.02	
SC01	W1559	21-0851	9/25/07	11:06	E. coli	CFU/100mL	60	
SC01	W1559	21-0851	9/25/07	11:06	Suspended Solids	mg/L	1.6	h
SC01	W1559	21-0851	9/25/07	11:06	Total Nitrogen	mg/L	0.37	
SC01	W1559	21-0851	9/25/07	11:06	Total Phosphorus	mg/L	0.016	
SWB01	W1573	21-0356	5/8/07	11:13	Ammonia-N	mg/L	<0.02	
SWB01	W1573	21-0356	5/8/07	11:13	Apparent Color	PCU	<15	
SWB01	W1573	21-0356	5/8/07	11:13	E. coli	CFU/100mL	6	
SWB01	W1573	21-0356	5/8/07	11:13	Suspended Solids	mg/L	1.3	
SWB01	W1573	21-0356	5/8/07	11:13	Total Nitrogen	mg/L	0.37	
SWB01	W1573	21-0356	5/8/07	11:13	Total Phosphorus	mg/L	0.006	d
SWB01	W1573	21-0356	5/8/07	11:13	True Color	PCU	<15	
SWB01	W1573	21-0356	5/8/07	11:13	Turbidity	NTU	1.4	
SWB01	W1573	21-0414	6/12/07	11:47	Ammonia-N	mg/L	<0.02	
SWB01	W1573	21-0414	6/12/07	11:47	Apparent Color	PCU	24	
SWB01	W1573	21-0414	6/12/07	11:47	E. coli	CFU/100mL	368	
SWB01	W1573	21-0414	6/12/07	11:47	Suspended Solids	mg/L	4.7	
SWB01	W1573	21-0414	6/12/07	11:47	Total Nitrogen	mg/L	0.46	
SWB01	W1573	21-0414	6/12/07	11:47	Total Phosphorus	mg/L	0.018	
SWB01	W1573	21-0414	6/12/07	11:47	True Color	PCU	<15	
SWB01	W1573	21-0414	6/12/07	11:47	Turbidity	NTU	2.7	
SWB01	W1573	21-0602	7/17/07	11:42	Ammonia-N	mg/L	0.03	
SWB01	W1573	21-0602	7/17/07	11:42	Apparent Color	PCU	22	
SWB01	W1573	21-0602	7/17/07	11:42	E. coli	CFU/100mL	256	
SWB01	W1573	21-0602	7/17/07	11:42	Suspended Solids	mg/L	3.2	
SWB01	W1573	21-0602	7/17/07	11:42	Total Nitrogen	mg/L	0.60	
SWB01	W1573	21-0602	7/17/07	11:42	Total Phosphorus	mg/L	0.011	
SWB01	W1573	21-0602	7/17/07	11:42	True Color	PCU	<15	
SWB01	W1573	21-0602	7/17/07	11:42	Turbidity	NTU	3.0	
SWB01	W1573	21-0718	8/21/07	11:02	Ammonia-N	mg/L	0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
SWB01	W1573	21-0718	8/21/07	11:02	Apparent Color	PCU	25	
SWB01	W1573	21-0718	8/21/07	11:02	E. coli	CFU/100mL	250	
SWB01	W1573	21-0718	8/21/07	11:02	Suspended Solids	mg/L	2.4	
SWB01	W1573	21-0718	8/21/07	11:02	Total Nitrogen	mg/L	0.54	
SWB01	W1573	21-0718	8/21/07	11:02	Total Phosphorus	mg/L	0.011	
SWB01	W1573	21-0718	8/21/07	11:02	True Color	PCU	25	
SWB01	W1573	21-0718	8/21/07	11:02	Turbidity	NTU	2.1	
SWB01	W1573	21-0829	9/25/07	11:06	Ammonia-N	mg/L	<0.02	
SWB01	W1573	21-0829	9/25/07	11:06	E. coli	CFU/100mL	100	
SWB01	W1573	21-0829	9/25/07	11:06	Suspended Solids	mg/L	2.0	h
SWB01	W1573	21-0829	9/25/07	11:06	Total Nitrogen	mg/L	0.46	
SWB01	W1573	21-0829	9/25/07	11:06	Total Phosphorus	mg/L	0.009	
TB01	W1562	21-0352	5/8/07	10:33	Ammonia-N	mg/L	<0.02	
TB01	W1562	21-0352	5/8/07	10:33	Apparent Color	PCU	<15	
TB01	W1562	21-0352	5/8/07	10:33	E. coli	CFU/100mL	2	d
TB01	W1562	21-0352	5/8/07	10:33	Suspended Solids	mg/L	1.6	
TB01	W1562	21-0352	5/8/07	10:33	Total Nitrogen	mg/L	0.63	
TB01	W1562	21-0352	5/8/07	10:33	Total Phosphorus	mg/L	<0.005	d
TB01	W1562	21-0352	5/8/07	10:33	True Color	PCU	<15	
TB01	W1562	21-0352	5/8/07	10:33	Turbidity	NTU	1.2	
TB01	W1562	21-0410	6/12/07	11:08	Ammonia-N	mg/L	<0.02	
TB01	W1562	21-0410	6/12/07	11:08	Apparent Color	PCU	<15	
TB01	W1562	21-0410	6/12/07	11:08	E. coli	CFU/100mL	204	
TB01	W1562	21-0410	6/12/07	11:08	Suspended Solids	mg/L	1.8	
TB01	W1562	21-0410	6/12/07	11:08	Total Nitrogen	mg/L	0.47	
TB01	W1562	21-0410	6/12/07	11:08	Total Phosphorus	mg/L	0.006	
TB01	W1562	21-0410	6/12/07	11:08	True Color	PCU	<15	
TB01	W1562	21-0410	6/12/07	11:08	Turbidity	NTU	1.2	
TB01	W1562	21-0598	7/17/07	11:06	Ammonia-N	mg/L	0.03	
TB01	W1562	21-0598	7/17/07	11:06	Apparent Color	PCU	18	
TB01	W1562	21-0598	7/17/07	11:06	E. coli	CFU/100mL	116	
TB01	W1562	21-0598	7/17/07	11:06	Suspended Solids	mg/L	1.5	
TB01	W1562	21-0598	7/17/07	11:06	Total Nitrogen	mg/L	0.34	
TB01	W1562	21-0598	7/17/07	11:06	Total Phosphorus	mg/L	0.006	
TB01	W1562	21-0598	7/17/07	11:06	True Color	PCU	<15	
TB01	W1562	21-0598	7/17/07	11:06	Turbidity	NTU	1.9	
TB01	W1562	21-0714	8/21/07	11:31	Ammonia-N	mg/L	0.03	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
TB01	W1562	21-0714	8/21/07	11:31	Apparent Color	PCU	44	
TB01	W1562	21-0714	8/21/07	11:31	E. coli	CFU/100mL	90	
TB01	W1562	21-0714	8/21/07	11:31	Suspended Solids	mg/L	2.4	d
TB01	W1562	21-0714	8/21/07	11:31	Total Nitrogen	mg/L	0.19	
TB01	W1562	21-0714	8/21/07	11:31	Total Phosphorus	mg/L	0.005	
TB01	W1562	21-0714	8/21/07	11:31	True Color	PCU	<15	
TB01	W1562	21-0714	8/21/07	11:31	Turbidity	NTU	4.9	
TB01	W1562	21-0825	9/25/07	11:35	Ammonia-N	mg/L	0.02	
TB01	W1562	21-0825	9/25/07	11:35	E. coli	CFU/100mL	100	d
TB01	W1562	21-0825	9/25/07	11:35	Suspended Solids	mg/L	1.2	d, h
TB01	W1562	21-0825	9/25/07	11:35	Total Nitrogen	mg/L	0.20	
TB01	W1562	21-0825	9/25/07	11:35	Total Phosphorus	mg/L	0.005	
WF02	W1568	21-0350	5/8/07	9:31	Ammonia-N	mg/L	0.06	
WF02	W1568	21-0350	5/8/07	9:31	Apparent Color	PCU	22	
WF02	W1568	21-0350	5/8/07	9:31	E. coli	CFU/100mL	40	
WF02	W1568	21-0350	5/8/07	9:31	Suspended Solids	mg/L	<1.0	
WF02	W1568	21-0350	5/8/07	9:31	Total Nitrogen	mg/L	0.54	
WF02	W1568	21-0350	5/8/07	9:31	Total Phosphorus	mg/L	<0.005	d
WF02	W1568	21-0350	5/8/07	9:31	True Color	PCU	21	
WF02	W1568	21-0350	5/8/07	9:31	Turbidity	NTU	1.5	
WF02	W1568	21-0408	6/12/07	9:45	Ammonia-N	mg/L	<0.02	
WF02	W1568	21-0408	6/12/07	9:45	Apparent Color	PCU	18	
WF02	W1568	21-0408	6/12/07	9:45	E. coli	CFU/100mL	132	
WF02	W1568	21-0408	6/12/07	9:45	Suspended Solids	mg/L	1.7	
WF02	W1568	21-0408	6/12/07	9:45	Total Nitrogen	mg/L	0.61	
WF02	W1568	21-0408	6/12/07	9:45	Total Phosphorus	mg/L	0.011	
WF02	W1568	21-0408	6/12/07	9:45	True Color	PCU	18	
WF02	W1568	21-0408	6/12/07	9:45	Turbidity	NTU	4.1	
WF02	W1568	21-0596	7/17/07	10:06	Ammonia-N	mg/L	0.02	
WF02	W1568	21-0596	7/17/07	10:06	Apparent Color	PCU	19	
WF02	W1568	21-0596	7/17/07	10:06	E. coli	CFU/100mL	480	
WF02	W1568	21-0596	7/17/07	10:06	Suspended Solids	mg/L	<1.0	
WF02	W1568	21-0596	7/17/07	10:06	Total Nitrogen	mg/L	0.57	
WF02	W1568	21-0596	7/17/07	10:06	Total Phosphorus	mg/L	<0.005	
WF02	W1568	21-0596	7/17/07	10:06	True Color	PCU	<15	
WF02	W1568	21-0596	7/17/07	10:06	Turbidity	NTU	0.7	
WF02	W1568	21-0712	8/21/07	12:16	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
WF02	W1568	21-0712	8/21/07	12:16	Apparent Color	PCU	<15	
WF02	W1568	21-0712	8/21/07	12:16	E. coli	CFU/100mL	30	
WF02	W1568	21-0712	8/21/07	12:16	Suspended Solids	mg/L	<1.0	
WF02	W1568	21-0712	8/21/07	12:16	Total Nitrogen	mg/L	0.56	
WF02	W1568	21-0712	8/21/07	12:16	Total Phosphorus	mg/L	<0.005	
WF02	W1568	21-0712	8/21/07	12:16	True Color	PCU	<15	
WF02	W1568	21-0712	8/21/07	12:16	Turbidity	NTU	0.6	
WF02	W1568	21-0823	9/25/07	12:20	Ammonia-N	mg/L	<0.02	
WF02	W1568	21-0823	9/25/07	12:20	E. coli	CFU/100mL	20	
WF02	W1568	21-0823	9/25/07	12:20	Suspended Solids	mg/L	2.5	h
WF02	W1568	21-0823	9/25/07	12:20	Total Nitrogen	mg/L	0.41	
WF02	W1568	21-0823	9/25/07	12:20	Total Phosphorus	mg/L	<0.005	
WM01	W1564	21-0373	5/8/07	12:42	Ammonia-N	mg/L	<0.02	
WM01	W1564	21-0373	5/8/07	12:42	Apparent Color	PCU	24	
WM01	W1564	21-0373	5/8/07	12:42	E. coli	CFU/100mL	0	a
WM01	W1564	21-0373	5/8/07	12:42	Suspended Solids	mg/L	<1.0	
WM01	W1564	21-0373	5/8/07	12:42	Total Nitrogen	mg/L	0.26	
WM01	W1564	21-0373	5/8/07	12:42	Total Phosphorus	mg/L	0.006	
WM01	W1564	21-0373	5/8/07	12:42	True Color	PCU	22	
WM01	W1564	21-0373	5/8/07	12:42	Turbidity	NTU	1.0	
WM01	W1564	21-0431	6/12/07	10:04	Ammonia-N	mg/L	<0.02	
WM01	W1564	21-0431	6/12/07	10:04	Apparent Color	PCU	44	
WM01	W1564	21-0431	6/12/07	10:04	E. coli	CFU/100mL	32	
WM01	W1564	21-0431	6/12/07	10:04	Suspended Solids	mg/L	2.0	
WM01	W1564	21-0431	6/12/07	10:04	Total Nitrogen	mg/L	0.29	
WM01	W1564	21-0431	6/12/07	10:04	Total Phosphorus	mg/L	0.010	
WM01	W1564	21-0431	6/12/07	10:04	True Color	PCU	43	
WM01	W1564	21-0431	6/12/07	10:04	Turbidity	NTU	1.2	
WM01	W1564	21-0619	7/17/07	9:51	Ammonia-N	mg/L	0.02	
WM01	W1564	21-0619	7/17/07	9:51	Apparent Color	PCU	<15	
WM01	W1564	21-0619	7/17/07	9:51	E. coli	CFU/100mL	24	
WM01	W1564	21-0619	7/17/07	9:51	Suspended Solids	mg/L	<1.0	
WM01	W1564	21-0619	7/17/07	9:51	Total Nitrogen	mg/L	0.37	
WM01	W1564	21-0619	7/17/07	9:51	Total Phosphorus	mg/L	<0.005	
WM01	W1564	21-0619	7/17/07	9:51	True Color	PCU	<15	
WM01	W1564	21-0619	7/17/07	9:51	Turbidity	NTU	<0.5	
WM01	W1564	21-0735	8/21/07	9:50	Ammonia-N	mg/L	<0.02	

Table 4. MassDEP DWM 2007 Housatonic River Watershed water quality data.

Station ID	Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Units	Result	Data Qualifiers
WM01	W1564	21-0735	8/21/07	9:50	Apparent Color	PCU	21	
WM01	W1564	21-0735	8/21/07	9:50	E. coli	CFU/100mL	50	
WM01	W1564	21-0735	8/21/07	9:50	Suspended Solids	mg/L	<1.0	
WM01	W1564	21-0735	8/21/07	9:50	Total Nitrogen	mg/L	0.28	
WM01	W1564	21-0735	8/21/07	9:50	Total Phosphorus	mg/L	<0.005	
WM01	W1564	21-0735	8/21/07	9:50	True Color	PCU	20	
WM01	W1564	21-0735	8/21/07	9:50	Turbidity	NTU	<0.5	
WM01	W1564	21-0846	9/25/07	9:58	Ammonia-N	mg/L	<0.02	
WM01	W1564	21-0846	9/25/07	9:58	E. coli	CFU/100mL	<20	
WM01	W1564	21-0846	9/25/07	9:58	Suspended Solids	mg/L	<1.0	h
WM01	W1564	21-0846	9/25/07	9:58	Total Nitrogen	mg/L	0.27	
WM01	W1564	21-0846	9/25/07	9:58	Total Phosphorus	mg/L	<0.005	

*see Appendix 1 for a complete list of data qualifiers

Table 5. Geometric means of the 2007 *E. coli* results for the Housatonic River Watershed sampling stations.

Station ID	Unique ID	Sample Count	<i>E. Coli</i> Geometric Mean (CFU/100 ml)
02B	W1107	5	166*
04B	W1105	5	133*
04C	W1104	5	152
06A	W1098	5	26
06B	W1560	5	16*
07B	W1110	5	24
15A	W1113	5	106
19A	W1103	5	35
19C	W1102	5	41
19E	W1101	5	32*
20A	W1100	5	21
20D	W1099	5	57
20F	W1566	5	40
23A	W1112	5	58*
BT01	W1567	5	16*
EB01A	W1572	5	56
HB	W1115	5	76
HW01	W1575	5	167
KR01	W0371	5	100
KR05	W0375	5	28*
KR07	W0377	5	13
LW01	W1561	5	24*
OB01	W1570	5	13*
RA01	W1569	5	18
SA01	W1563	5	37*
SC01	W1559	5	52
SWB01	W1573	5	107
TB01	W1562	5	53
WF02	W1568	5	69
WM01	W1564	5	15*
02B	W1107	5	166
*The upper, or lower, detection limit was reported in one or more of the data points in the geometric mean calculation.			

Table 6. MassDEP DWM 2007 Housatonic River Watershed Attended Multi-probe Data

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. 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
02B	W1107	21-0470	6/8/07	14:39	0.5		19.8		7.6		301		193		8.8		98	
02B	W1107	21-0489	6/13/07	13:15	0.3		18.2		7.7		354		226		7.8		84	
02B	W1107	21-0670	8/17/07	14:02	0.1		23.3		7.8	i	701		449		6.7		80	
02B	W1107	21-0689	8/22/07	12:35	0.1		17.0		7.9		651		417		8.8		92	
02B	W1107	21-0781	9/21/07	13:05	0.2		19.7		7.9		681		436		9.0		99	
02B	W1107	21-0800	9/26/07	14:02	0.2		22.0		8.0		708		453		9.3		107	
02BFF	W1726	21-0554	7/13/07	14:04	0.2		22.0		8.0		400		256		7.9		92	
02BFF	W1726	21-0573	7/18/07	13:38	0.2		20.4		7.8		506		324		6.8		76	
04B	W1105	21-0471	6/8/07	15:16	0.6		20.2		7.7		302		193		8.6		96	
04B	W1105	21-0490	6/13/07	13:38	0.5		18.4		7.7		336		215		7.7		83	
04B	W1105	21-0555	7/13/07	14:36	0.3		22.5		8.0		369		236		7.8		92	
04B	W1105	21-0574	7/18/07	13:57	0.3		20.6		7.8		394		252		6.6		74	
04B	W1105	21-0671	8/17/07	14:28	0.3		21.8		7.8	i	589		377		6.8		80	
04B	W1105	21-0690	8/22/07	13:28	0.3		16.2		7.9		580		371		8.1		83	
04B	W1105	21-0782	9/21/07	13:22	0.3		17.2		7.8		560		359		8.1		85	
04B	W1105	21-0801	9/26/07	14:23	0.1		19.3		7.8		598		383		7.9		87	
04C	W1104	21-0472	6/8/07	16:04	1.5		18.3		7.5		321		205		8.1		88	
04C	W1104	21-0491	6/13/07	14:11	1.4		18.2		7.7		362		232		7.1		76	
04C	W1104	21-0556	7/13/07	15:18	0.4		21.3		7.9		406		260		7.3		83	
04C	W1104	21-0575	7/18/07	14:22	0.5		20.6		7.8		446		285		6.6		75	
04C	W1104	21-0672	8/17/07	15:00	1.8		21.5		7.7	i	535		343		6.1		71	
04C	W1104	21-0691	8/22/07	13:52	0.7		16.1		7.8		551		353		7.5		76	
04C	W1104	21-0783	9/21/07	13:52	1.7		17.0		7.7		511		327		7.1		74	
04C	W1104	21-0802	9/26/07	14:47	1.5		18.1		7.7		539		345		7.2		77	
06A	W1098	21-0475	6/8/07	11:06	0.3		18.0		8.2		388		248		9.5	i	102	i
06A	W1098	21-0494	6/13/07	10:35	0.2		19.2		8.1		430		275		8.6		94	

Table 6. MassDEP DWM 2007 Housatonic River Watershed Attended Multi-probe Data

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. 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
06A	W1098	21-0512	6/25/07	15:14	--		22.9	s	--		--		--		--		--	
06A	W1098	21-0559	7/13/07	10:13	0.3		20.9		8.2		456		292		8.9		101	
06A	W1098	21-0578	7/18/07	10:18	0.1		20.7		8.1		457		292		7.6		86	
06A	W1098	21-0675	8/17/07	10:38	0.2		21.2		8.1		483		309		8.9		102	
06A	W1098	21-0694	8/22/07	10:38	0.1		16.7		8.2		490		314		9.6		99	
06A	W1098	21-0786	9/21/07	10:15	0.2		16.1		8.1		501		321		9.3		95	
06A	W1098	21-0805	9/26/07	10:51	0.2		17.7		8.0		507		324		9.2		98	
06A	W1098	21-0521	10/18/07	11:11	--		13.1	s	--		--		--		--		--	
06B	W1560	21-0463	6/8/07	9:54	0.3		17.7		7.7		375		240		8.0		85	
06B	W1560	21-0482	6/13/07	9:32	0.2		20.3		7.8		425		272		7.1		79	
06B	W1560	21-0514	6/25/07	16:23	--		23.0	s	--		--		--		--		--	
06B	W1560	21-0547	7/13/07	9:59	0.1		22.6		7.9		465		298		6.8		80	
06B	W1560	21-0566	7/18/07	9:26	0.1		23.2		7.9		479		307		7.1		85	
06B	W1560	21-0663	8/17/07	9:24	##	i	21.6		8.2	i	523		335		8.2	u	95	u
06B	W1560	21-0682	8/22/07	9:20	0.1		17.3		8.1		538		344		8.8		92	
06B	W1560	21-0774	9/21/07	9:32	0.2		16.0		8.0		544		348		9.3		95	
06B	W1560	21-0793	9/26/07	9:33	0.2		17.7		8.1		561		359		8.9		95	
06B	W1560	21-0523	10/18/07	11:48	--		13.6	s	--		--		--		--		--	
07B	W1110	21-0391	5/8/07	12:01	0.3		12.7		8.1		276		179		11.0		103	
07B	W1110	21-0402	6/12/07	11:00	0.3		16.0		8.2		526		342		9.6		98	
07B	W1110	21-0590	7/17/07	10:37	0.3		20.2		8.3		313		200		9.0		100	
07B	W1110	21-0706	8/21/07	10:40	0.2		14.1		8.4		375		240		10.0	i	98	i
07B	W1110	21-0817	9/25/07	10:42	0.2		13.1		8.2		727	c	465	c	10.0		96	
15A	W1113	21-0477	6/8/07	12:38	0.5		20.2		7.7		267		171		7.6	i	85	i
15A	W1113	21-0496	6/13/07	11:39	0.3		21.5		7.9		247	u	158	u	7.0		80	
15A	W1113	21-0510	6/25/07	13:40	--		22.7	s	--		--		--		--		--	

Table 6. MassDEP DWM 2007 Housatonic River Watershed Attended Multi-probe Data

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. 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
15A	W1113	21-0561	7/13/07	11:39	0.8		23.1		7.9		228		146		7.3		87	
15A	W1113	21-0580	7/18/07	11:18	0.5		23.8		7.9		280		179		6.1		73	
15A	W1113	21-0677	8/17/07	12:07	0.3		22.9		7.9		288		185		6.8		81	
15A	W1113	21-0696	8/22/07	11:39	0.3		18.9		7.9		291		186		7.2		78	
15A	W1113	21-0788	9/21/07	11:21	0.2		16.5		7.7		314		201		7.0		72	
15A	W1113	21-0807	9/26/07	11:52	0.2		18.0		7.6		327		209		6.0		64	
15A	W1113	21-0519	10/18/07	10:21	--		12.0	s	--		--		--		--		--	
15C	W1571	21-0511	6/25/07	14:36	--		21.9	s	--		--		--		--		--	
15C	W1571	21-0520	10/18/07	10:43	--		12.3	s	--		--		--		--		--	
19A	W1103	21-0396	5/8/07	13:05	0.4		14.8		8.6		345		224		12.8		127	
19A	W1103	21-0404	6/12/07	9:42	0.3		19.2		7.5		359		233		7.6		82	
19A	W1103	21-0592	7/17/07	9:35	0.3		22.1		7.9		406		260		7.8		90	
19A	W1103	21-0708	8/21/07	9:37	0.2		18.7		7.7		518		331		7.7	i	83	i
19A	W1103	21-0819	9/25/07	9:44	0.3		17.5		7.9		491		314		8.5		90	
19E	W1101	21-0464	6/8/07	10:35	0.4		18.4		7.8		264		169		8.7		94	
19E	W1101	21-0483	6/13/07	9:56	0.2		20.2		7.8		361		231		7.7		86	
19E	W1101	21-0548	7/13/07	10:31	0.4		23.1		8.1		348		223		7.9		93	
19E	W1101	21-0567	7/18/07	9:54	0.3		23.4		8.2		373		239		8.1		96	
19E	W1101	21-0664	8/17/07	9:58	0.5		22.6		8.5	i	463		296		8.8		104	
19E	W1101	21-0683	8/22/07	9:44	0.5		18.7		8.4		497		318		9.3		100	
19E	W1101	21-0775	9/21/07	9:58	0.6		17.0		8.3		454		291		10.2		107	
19E	W1101	21-0794	9/26/07	9:56	0.8		19.0		8.4		487		311		10.1		111	
20A	W1100	21-0389	5/8/07	10:06	0.5		12.6		8.2		332		215		11.8		111	
20A	W1100	21-0400	6/12/07	12:51	0.3		20.8		8.0		351		228		8.9		100	
20A	W1100	21-0513	6/25/07	15:43	--		21.4	s	--		--		--		--		--	
20A	W1100	21-0588	7/17/07	12:14	0.5		24.2		8.4		401		257		9.2		111	

Table 6. MassDEP DWM 2007 Housatonic River Watershed Attended Multi-probe Data

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. 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
20A	W1100	21-0704	8/21/07	12:06	0.4		19.7		8.6		480		307		9.4	i	103	i
20A	W1100	21-0815	9/25/07	12:06	0.4		19.5		8.6		469		300		10.5		115	
20A	W1100	21-0522	10/18/07	11:24	--		12.9	s	--		--		--		--		--	
20D	W1099	21-0476	6/8/07	11:56	1.4		17.6		7.8		279		179		8.6	i	91	i
20D	W1099	21-0495	6/13/07	11:06	1.1		19.6		7.9		364		233		##	u	##	u
20D	W1099	21-0560	7/13/07	11:12	1.0		23.2		8.2		##	u	##	u	7.9		95	
20D	W1099	21-0579	7/18/07	10:52	0.7		22.7		8.0		406		260		6.8		80	
20D	W1099	21-0676	8/17/07	11:34	0.5		23.0		8.3		463		296		8.6		102	
20D	W1099	21-0695	8/22/07	11:13	0.5		18.4		8.3		478		306		9.0		97	
20D	W1099	21-0787	9/21/07	10:53	0.5		17.5		8.2		423		271		9.2		97	
20D	W1099	21-0806	9/26/07	11:21	0.5		19.1		8.3		476		304		9.5		104	
20F	W1566	21-0479	6/8/07	13:50	1.2		19.3		7.8		273		175		8.1	i	89	i
20F	W1566	21-0498	6/13/07	12:34	1.6		20.4		7.8		349		224		7.0		79	
20F	W1566	21-0563	7/13/07	12:53	1.6		23.9		8.1		370		237		7.4		89	
20F	W1566	21-0582	7/18/07	12:05	1.5		23.9		7.9		380		243		6.2		74	
20F	W1566	21-0679	8/17/07	13:19	1.3		23.2		8.0		444		284		7.7		92	
20F	W1566	21-0698	8/22/07	12:50	0.9		18.7		8.0		457		293		7.9		85	
20F	W1566	21-0790	9/21/07	12:38	1.1		17.7		7.9		405		259		8.5		90	
20F	W1566	21-0809	9/26/07	12:42	0.9		19.6		8.0		457		293		8.1		90	
23A	W1112	21-0393	5/8/07	9:40	0.4		8.8		7.4		215		138		10.9		95	
23A	W1112	21-0405	6/12/07	9:48	0.3		14.5		7.6		233		149		9.9		99	
23A	W1112	21-0593	7/17/07	9:55	0.4		17.3		7.7		279		178		8.6		91	
23A	W1112	21-0709	8/21/07	9:54	0.3		16.0		7.5		299		191		9.0		91	
23A	W1112	21-0820	9/25/07	10:11	0.4		14.7		7.4		303		194		8.6		86	
BT01	W1567	21-0390	5/8/07	11:20	0.1		9.2		7.8		76		49		12.1		105	
BT01	W1567	21-0474	6/8/07	10:28	0.2		13.8		7.5		64		41		9.5	i	93	i

Table 6. MassDEP DWM 2007 Housatonic River Watershed Attended Multi-probe Data

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. 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
BT01	W1567	21-0401	6/12/07	11:36	0.1		15.6		7.9		80		52		9.7		98	
BT01	W1567	21-0493	6/13/07	9:57	0.2		15.0		7.6		83		53		9.7		97	
BT01	W1567	21-0558	7/13/07	9:38	0.1		16.3		7.8		84		54		9.4		97	
BT01	W1567	21-0589	7/17/07	11:12	0.2		16.8		8.0		96		62		9.5		99	
BT01	W1567	21-0577	7/18/07	9:46	0.1		16.9		7.8		119		76		8.7		91	
BT01	W1567	21-0674	8/17/07	9:58	0.5		17.5		7.8		155		99		8.8		94	
BT01	W1567	21-0705	8/21/07	11:14	0.2		13.9		8.3		168		108		10.6	i	103	i
BT01	W1567	21-0693	8/22/07	9:39	0.5		14.8	u	7.7		170		109		9.0		89	
BT01	W1567	21-0785	9/21/07	9:45	0.2		12.7		7.9		182		117		10.4		99	
BT01	W1567	21-0816	9/25/07	11:12	0.1		13.5		7.9		240		153		9.8		95	
BT01	W1567	21-0804	9/26/07	9:44	0.3		14.7		7.8		209		134		9.6		96	
Crane 1	W1724	21-0638	7/24/07	12:31	--		17.9	s	--		--		--		--		--	
Crane 1	W1724	21-0641	10/18/07	13:46	--		11.5	s	--		--		--		--		--	
Crane 2	W1725	21-0639	7/24/07	13:20	--		18.0	s	--		--		--		--		--	
Crane 2	W1725	21-0642	10/18/07	14:07	--		12.0	s	--		--		--		--		--	
Crane 3	W1727	21-0640	7/24/07	**	**		**		**		**		**		**		**	
Crane 3	W1727	21-0643	10/18/07	**	**		**		**		**		**		**		**	
EB01A	W1572	21-0387	5/8/07	10:04	0.2		11.8		8.0		190		124		11.5		107	
EB01A	W1572	21-0398	6/12/07	10:42	0.2		18.6		8.2		180		115		8.8	i	96	i
EB01A	W1572	21-0586	7/17/07	10:39	0.2		19.4		8.3		238		154		9.3		101	
EB01A	W1572	21-0702	8/21/07	12:06	0.1		14.6		8.8		213		139		11.3		112	
EB01A	W1572	21-0813	9/25/07	12:04	0.1		14.3		8.6		356		232		11.3		110	
EB01B	W1574	21-0516	6/25/07	18:18	--		21.0	s	--		--		--		--		--	
EB01B	W1574	21-0861	7/10/07	9:57	--		21.5	s	--		--		--		--		--	
EB01B	W1574	21-0862	7/24/07	14:18	--		18.8	s	--		--		--		--		--	
EB01B	W1574	21-0525	10/18/07	14:40	--		13.6	s	--		--		--		--		--	

Table 6. MassDEP DWM 2007 Housatonic River Watershed Attended Multi-probe Data

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. 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
HB	W1115	21-0473	6/8/07	10:01	0.9		15.9		7.1		141		90		7.7	i	79	i
HB	W1115	21-0492	6/13/07	9:28	0.4		18.5		7.2		186		119		7.1		76	
HB	W1115	21-0557	7/13/07	9:18	0.5		19.3		7.3		184		118		6.6		72	
HB	W1115	21-0576	7/18/07	9:19	0.3		20.6		7.3		192		123		6.1		69	
HB	W1115	21-0673	8/17/07	9:28	0.2		21.8		7.5		249		160		6.3		73	
HB	W1115	21-0692	8/22/07	9:16	0.2		17.0		7.6		266		170		7.7		80	
HB	W1115	21-0784	9/21/07	9:21	0.3		15.0		7.4		264		169		7.4		74	
HB	W1115	21-0803	9/26/07	9:17	0.0	i	16.9		7.4		279		178		6.6		69	
HW01	W1575	21-0469	6/8/07	13:54	0.3		21.2		7.8		250		160		8.2		93	
HW01	W1575	21-0488	6/13/07	12:53	0.2		19.5		7.8		266		170		7.9		87	
HW01	W1575	21-0517	6/26/07	8:16	--		21.7	s	--		--		--		--		--	
HW01	W1575	21-0553	7/13/07	13:34	0.2		22.6		7.9		270		173		7.6		89	
HW01	W1575	21-0572	7/18/07	13:17	0.2		21.9		7.8		246		158		7.4		86	
HW01	W1575	21-0669	8/17/07	12:57	0.2		22.6		8.0	i	331		212		8.0		94	
HW01	W1575	21-0688	8/22/07	13:03	0.2		16.9		8.1		382		245		9.2		95	
HW01	W1575	21-0780	9/21/07	12:45	0.3		18.5		8.0		334		214		9.0		97	
HW01	W1575	21-0799	9/26/07	12:34	0.3		20.1		8.1		330		211		8.8		99	
HW01	W1575	21-0526	10/18/07	12:20	--		14.8	s	--		--		--		--		--	
KR01	W0371	21-0480	6/8/07	14:28	0.8		17.9		7.9		261		167		9.0	i	97	i
KR01	W0371	21-0499	6/13/07	12:57	0.4		16.6		7.9		303		194		8.1		84	
KR01	W0371	21-0564	7/13/07	13:15	0.6		20.3		8.1		282		180		8.9		101	
KR01	W0371	21-0583	7/18/07	12:28	0.7		19.6		7.9		317		203		7.8		86	
KR01	W0371	21-0680	8/17/07	13:57	0.5		20.4		8.2		358		229		9.7		110	
KR01	W0371	21-0699	8/22/07	13:18	0.5		15.9		8.2		375		240		10.1		103	
KR01	W0371	21-0791	9/21/07	13:02	0.2		16.5		8.1		372		238		10.5		108	
KR01	W0371	21-0810	9/26/07	13:09	0.2		18.7		8.1		381		244		9.9		108	

Table 6. MassDEP DWM 2007 Housatonic River Watershed Attended Multi-probe Data

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. 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
KR05	W0375	21-0394	5/8/07	12:09	0.5		12.0		8.0		244		156		10.8		101	
KR05	W0375	21-0406	6/12/07	11:57	0.3		17.9		8.2		259		166		9.5		101	
KR05	W0375	21-0594	7/17/07	12:03	0.4		20.6		8.3		278		178		8.8		99	
KR05	W0375	21-0710	8/21/07	11:55	0.2		15.6		8.4		348		222		10.2		103	
KR05	W0375	21-0821	9/25/07	12:16	0.2		14.2		8.3		361		231		10.3		102	
KR07	W0377	21-0395	5/8/07	12:39	0.3		13.3		8.0		242		155		10.3		99	
KR07	W0377	21-0407	6/12/07	12:22	0.1		18.2		8.2		251		160		9.2		99	
KR07	W0377	21-0595	7/17/07	12:33	0.1		21.5		8.4		277		178		8.6		99	
KR07	W0377	21-0711	8/21/07	12:20	0.3		15.5		8.5		340		218		9.9		100	
KR07	W0377	21-0822	9/25/07	12:44	0.3		14.1		8.3		357		228		10.2		100	
LW01	W1561	21-0465	6/8/07	11:01	0.3		18.7		7.7		337		216		8.2		89	
LW01	W1561	21-0484	6/13/07	10:19	0.3		19.8		7.8		355		227		7.2		80	
LW01	W1561	21-0549	7/13/07	10:55	0.2		19.5		7.9		383		245		8.0		88	
LW01	W1561	21-0568	7/18/07	10:17	0.1		19.5		7.9		427		273		7.6		84	
LW01	W1561	21-0665	8/17/07	10:25	0.2		18.9		7.9	i	453		290		7.7		85	
LW01	W1561	21-0684	8/22/07	10:07	0.2		15.9		7.8		387		248		8.3		84	
LW01	W1561	21-0776	9/21/07	10:20	0.2		15.5		7.8		354		227		8.7		88	
LW01	W1561	21-0795	9/26/07	10:28	0.2		17.1		7.8		359		230		8.3		87	
OB01	W1570	21-0467	6/8/07	12:35	0.3		21.0		7.9		204		131		8.4		95	
OB01	W1570	21-0486	6/13/07	11:42	0.2		20.8		7.8		216		138		8.2		92	
OB01	W1570	21-0551	7/13/07	12:39	0.2		24.5		8.8		204		131		7.4		91	
OB01	W1570	21-0570	7/18/07	11:32	0.1		23.9		8.7		191		122		7.9		94	
OB01	W1570	21-0667	8/17/07	12:00	0.1		20.9		8.1	i	263		169		8.0		91	
OB01	W1570	21-0686	8/22/07	11:39	0.2		16.9		8.1		288		184		8.9		92	
OB01	W1570	21-0778	9/21/07	11:56	0.1		17.1		8.1		292		187		9.2		96	
OB01	W1570	21-0797	9/26/07	11:45	0.2		19.0		8.1		277		177		8.7		96	

Table 6. MassDEP DWM 2007 Housatonic River Watershed Attended Multi-probe Data

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. 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
RA01	W1569	21-0481	6/8/07	15:35	0.4		20.0		7.9		134		85		9.2	i	102	i
RA01	W1569	21-0500	6/13/07	13:46	0.3		18.4		8.1		161		103		8.9		96	
RA01	W1569	21-0565	7/13/07	14:16	0.3		22.1		8.2		144		92		8.6		101	
RA01	W1569	21-0584	7/18/07	13:41	0.0	i	20.6		8.0		164		105		8.0		90	
RA01	W1569	21-0681	8/17/07	15:00	0.1		21.9		8.4		190		122		8.8		102	
RA01	W1569	21-0700	8/22/07	14:14	0.1		16.5		8.3		189		121		9.6		98	
RA01	W1569	21-0792	9/21/07	13:57	0.3		16.9		8.3		198		127		9.4		98	
RA01	W1569	21-0811	9/26/07	14:04	0.3		19.5		8.3		205		131		9.0		99	
SA01	W1563	21-0388	5/8/07	12:15	0.3		11.6		8.0		192		125		11.5		106	
SA01	W1563	21-0399	6/12/07	12:37	0.3		16.3		7.9		200		128		9.1	i	94	i
SA01	W1563	21-0515	6/25/07	17:30	--		17.9	s	--		--		--		--		--	
SA01	W1563	21-0587	7/17/07	12:33	0.3		17.3		8.2		261		169		9.7		101	
SA01	W1563	21-0703	8/21/07	10:13	0.3		12.2		8.2		259		168		10.7		100	
SA01	W1563	21-0814	9/25/07	10:16	0.1		11.5		8.1		158		103		10.7		99	
SA01	W1563	21-0524	10/18/07	13:13	--		12.3	s	--		--		--		--		--	
SC01	W1559	21-0478	6/8/07	13:06	0.4		19.0		7.7		240		154		7.3	i	80	i
SC01	W1559	21-0497	6/13/07	11:59	0.3		20.5		7.8		255		163		6.6		74	
SC01	W1559	21-0562	7/13/07	12:00	0.4		21.9		7.8		200		128		7.4		86	
SC01	W1559	21-0581	7/18/07	11:39	0.2		22.3		7.8		265		170		6.2		73	
SC01	W1559	21-0678	8/17/07	12:34	0.4		21.2		7.7		296		189		6.7		76	
SC01	W1559	21-0697	8/22/07	11:57	0.3		17.5		7.7		299		191		7.2		75	
SC01	W1559	21-0789	9/21/07	11:43	0.2		14.5		7.6		334		214		7.2		71	
SC01	W1559	21-0808	9/26/07	12:16	0.3		16.7		7.5		349		224		6.1		63	
SWB01	W1573	21-0468	6/8/07	13:28	0.3		18.5		7.9		313		200		9.0		97	
SWB01	W1573	21-0487	6/13/07	12:07	0.2		17.5		7.9		344		220		8.3		88	
SWB01	W1573	21-0518	6/26/07	9:32	--		19.6	s	--		--		--		--		--	

Table 6. MassDEP DWM 2007 Housatonic River Watershed Attended Multi-probe Data

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. 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
SWB01	W1573	21-0552	7/13/07	13:09	0.3		19.6		7.8		394		252		7.7		85	
SWB01	W1573	21-0571	7/18/07	11:57	0.3		19.2		7.8		364		233		7.2		79	
SWB01	W1573	21-0668	8/17/07	12:31	0.2		20.6		7.9	i	463		296		7.5		86	
SWB01	W1573	21-0687	8/22/07	12:05	0.2		15.4		8.0		497		318		8.8		88	
SWB01	W1573	21-0779	9/21/07	12:24	0.3		16.7		7.9		465		297		8.8		92	
SWB01	W1573	21-0798	9/26/07	12:11	0.2		17.2		7.8		511		327		8.8		93	
SWB01	W1573	21-0527	10/17/07	15:13	--		11.0	s	--		--		--		--		--	
TB01	W1562	21-0466	6/8/07	11:59	0.5		13.7		7.5		277	u	177	u	9.2		90	
TB01	W1562	21-0485	6/13/07	11:16	0.4		14.1		7.6		350		224		8.4		83	
TB01	W1562	21-0666	8/17/07	11:20	0.2		17.6		7.5	i	424		272		6.9		74	
TB01	W1562	21-0685	8/22/07	11:04	0.0	i	14.4		7.5		428		274		7.4		73	
TB01	W1562	21-0777	9/21/07	11:24	0.2		14.3		7.5		430		275		7.9		77	
TB01	W1562	21-0796	9/26/07	11:22	0.2		15.5		7.4		440		282		7.2		74	
TB01A	W1723	21-0550	7/13/07	12:08	0.3		17.0		7.6		360		230		7.0		74	
TB01A	W1723	21-0569	7/18/07	11:11	0.3		17.4		7.6		395		253		6.2		66	
WF02	W1568	21-0386	5/8/07	9:44	0.3		8.4		7.2		231		150		12.3		105	
WF02	W1568	21-0397	6/12/07	10:19	0.2		15.6		7.8		231		148		9.4	i	95	i
WF02	W1568	21-0585	7/17/07	10:17	0.1		17.2		7.6		314		204		9.2		95	
WF02	W1568	21-0701	8/21/07	12:21	0.1		14.4		8.1		296		193		10.8		105	
WF02	W1568	21-0812	9/25/07	12:23	0.1		14.6		8.0		313		203		10.6		104	
WM01	W1564	21-0392	5/8/07	12:47	0.2		12.2		7.6		72		47		10.9		102	
WM01	W1564	21-0403	6/12/07	10:12	0.2		16.6		7.4		57		37		9.3		95	
WM01	W1564	21-0591	7/17/07	9:58	0.1		15.4		7.7		181		116		9.0		91	
WM01	W1564	21-0707	8/21/07	9:57	0.1		12.6		7.6		190		123		9.3	i	88	i
WM01	W1564	21-0818	9/25/07	10:04	0.1		12.3		7.5		194		124		9.2		87	

*see Appendix 1 for a complete list of data qualifiers

Table 7. MassDEP DWM 2007 Housatonic River Watershed Dissolved Oxygen Data from Deployed Multi-probes.

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 (Hours)	Amount of Time < 6.0 mg/L (Hours)	Percentage of Time < 6.0 mg/L (%)	Minimum Saturation (%)	Average Saturation (%)	Maximum Saturation (%)
06B	W1560	21-0445, 21-0528, 21-0644, 21-0755	06/08/07	477.5	6.4	7.9	0.0	0	0.0	0	77	89	132
HB	W1115	21-0454, 21-0538, 21-0654, 21-0765	06/08/07	477.0	5.7	7.0	0.0	0	20.9	4	63	76	89
BT01	W1567	21-0455, 21-0539, 21-0655, 21-0766	06/08/07	477.5	7.4	9.0	0.0	0	0.0	0	75	91	110
19E	W1101	21-0446, 21-0529, 21-0645, 21-0756	06/08/07	476.0	6.4	8.1	0.0	0	0.0	0	74	92	128
06A	W1098	21-0456, 21-0540, 21-0656, 21-0767	06/08/07	478.0	7.0	8.4	0.0	0	0.0	0	79	93	121
LW01	W1561	21-0447, 21-0530, 21-0646, 21-0757	06/08/07	369.5	6.4	7.7	0.0	0	0.0	0	73	84	107
20D	W1099	21-0457, 21-0541, 21-0657, 21-0768	06/08/07	358.0	6.8	8.5	0.0	0	0.0	0	78	96	132
TB01	W1562	21-0448, 21-0647, 21-0758	06/08/07	249.0	6.0	7.2	0.0	0	0.9	0	61	73	91
15A	W1113	21-0458, 21-0542, 21-0658, 21-0769	06/08/07	476.5	5.1	6.9	0.0	0	55.1	12	59	78	98
OB01	W1570	21-0449, 21-0532, 21-0648, 21-0759	06/08/07	475.5	7.2	8.1	0.0	0	0.0	0	86	91	95
SC01	W1559	21-0459, 21-0543, 21-0659, 21-0770	06/08/07	475.5	5.8	6.9	0.0	0	10.5	2	59	77	89
SWB01	W1573	21-0444, 21-0533, 21-0649, 21-0760	06/08/07	356.5	6.2	7.9	0.0	0	0.0	0	71	84	94
20F	W1566	21-0460, 21-0544, 21-0660, 21-0771	06/08/07	476.0	6.3	7.8	0.0	0	0.0	0	76	88	104

Table 7. MassDEP DWM 2007 Housatonic River Watershed Dissolved Oxygen Data from Deployed Multi-probes.

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 (Hours)	Amount of Time < 6.0 mg/L (Hours)	Percentage of Time < 6.0 mg/L (%)	Minimum Saturation (%)	Average Saturation (%)	Maximum Saturation (%)
HW01	W1575	21-0450, 21-0534, 21-0650, 21-0761	06/08/07	477.0	5.4	7.4	0.0	0	28.6	6	66	83	100
KR01	W0371	21-0461, 21-0545, 21-0661, 21-0772	06/08/07	475.0	6.6	8.5	0.0	0	0.0	0	68	91	117
02B	W1107	21-0451, 21-0651, 21-0762	06/08/07	356.5	5.0	7.2	0.2	0	55.3	16	55	77	106
04B	W1105	21-0452, 21-0536, 21-0652, 21-0763	06/08/07	475.5	5.4	7.2	0.0	0	27.9	6	58	79	107
RA01	W1569	21-0462, 21-0546, 21-0662, 21-0773	06/08/07	475.0	7.7	8.6	0.0	0	0.0	0	85	93	102
04C	W1104	21-0453, 21-0537, 21-0653, 21-0764	06/08/07	474.5	5.3	7.3	0.0	0	10.7	2	58	79	99
TB01A	W1723	21-0531	07/13/07	118.0	4.4	6.3	0.9	1	38.4	33	46	67	78
02BFF	W1726	21-0535	07/13/07	119.0	5.9	7.3	0.0	0	2.8	2	67	84	108

Table 8. MassDEP DWM 2007 Housatonic River Watershed Temperature Data from Unattended Temperature Probes and Multi-probes

Station ID	Unique ID	OWMID	Start Date	End Date	Temperature Observed Deployment Time (Hours)	Minimum Temperature °C	Average Temperature °C	Maximum Temperature °C	Mean of the Daily Maximum °C	Amount of Time > 20°C (Hours)	Percentage of Time > 20°C (%)	Amount of Time > 28.3 oC (Hours)
Below: Temperature Data from Temperature Probes (Continuous Deployment)												
06A	W1098	21-0503	06/25/07	10/18/07	2755.5	10.0	19.4	27.1	21.8	1319.3	48	0.0
06B	W1560	21-0505	06/25/07	10/18/07	2755.0	10.3	20.5	27.8	22.1	1624.5	59	0.0
15A	W1113	21-0501	06/25/07	10/18/07	2756.0	11.1	21.0	27.8	22.0	1699.2	62	0.0
15C	W1571	21-0502	06/25/07	10/18/07	2755.5	10.3	19.6	27.3	20.9	1343.5	49	0.0
20A	W1100	21-0504	06/25/07	10/18/07	2755.0	11.6	21.0	28.4	22.4	1784.9	65	1.6
20D	W1099	21-0657	08/17/07	08/22/07	119.0	17.8	20.1	24.0	20.8	55.4	47	0.0
Crane 1	W1724	21-0635	07/24/07	10/18/07	2064.5	9.1	17.4	24.8	18.6	537.0	26	0.0
Crane 2	W1725	21-0636	07/24/07	10/18/07	2064.0	9.0	17.4	24.7	18.5	560.1	27	0.0
Crane 3	W1727	21-0637	--	--	--	--	--	--	--	--	--	--**
EB01B	W1574	21-0507	06/25/07	10/18/07	2756.0	8.7	17.5	24.9	19.3	727.3	26	0.0
HW01	W1575	21-0508	06/26/07	10/18/07	2739.5	11.3	20.5	27.6	22.0	1603.8	59	0.0
SA01	W1563	21-0506	06/25/07	10/18/07	2755.0	7.9	15.2	20.7	16.7	23.1	1	0.0
SWB01	W1573	21-0444	06/08/07	06/13/07	118.5	16.0	19.2	21.7	21.0	40.7	34	0.0
SWB01	W1573	21-0509	06/26/07	10/17/07	2717.0	9.7	18.0	25.0	19.4	801.2	29	0.0
Below: Temperature Data from Deployed Multi-probes (Discontinuous Deployment)												
02B	W1107	21-0451, 21-0651, 21-0762	06/08/07	09/26/07	356.5	14.8	18.2	23.8	20.1	9.0	3	0.0
02BFF	W1726	21-0535	07/13/07	07/18/07	119.0	18.5	21.2	24.5	23.4	28.7	24	0.0
04B	W1105	21-0452, 21-0536, 21-0652, 21-0763	06/08/07	09/26/07	475.5	14.8	19.0	24.8	20.8	50.4	11	0.0
04C	W1104	21-0453, 21-0537, 21-0653, 21-0764	06/08/07	09/26/07	474.5	15.9	18.8	22.7	19.6	51.0	11	0.0
06A	W1098	21-0456, 21-0540, 21-0656, 21-0767	06/08/07	09/26/07	478.0	13.8	19.3	25.4	21.5	49.2	10	0.0
06B	W1560	21-0445, 21-0528, 21-0644, 21-0755	06/08/07	09/26/07	477.5	15.1	20.5	25.8	21.9	119.0	25	0.0
15A	W1113	21-0458, 21-0542, 21-0658, 21-0769	06/08/07	09/26/07	476.5	15.7	20.8	25.7	21.6	119.0	25	0.0
19E	W1101	21-0446, 21-0529, 21-0645, 21-0756	06/08/07	09/26/07	476.0	16.9	20.6	25.5	22.1	118.5	25	0.0
20D	W1099	21-0457, 21-0541, 21-0657, 21-0768	06/08/07	09/26/07	477.0	16.8	20.4	25.5	21.4	119.0	25	0.0
20F	W1566	21-0460, 21-0544,	06/08/07	09/26/07	476.0	17.7	20.9	25.2	21.7	119.0	25	0.0

Table 8. MassDEP DWM 2007 Housatonic River Watershed Temperature Data from Unattended Temperature Probes and Multi-probes

Station ID	Unique ID	OWMID	Start Date	End Date	Temperature Observed Deployment Time (Hours)	Minimum Temperature °C	Average Temperature °C	Maximum Temperature °C	Mean of the Daily Maximum °C	Amount of Time > 20°C (Hours)	Percentage of Time > 20°C (%)	Amount of Time > 28.3 oC (Hours)
		21-0660, 21-0771										
BT01	W1567	21-0455, 21-0539, 21-0655, 21-0766	06/08/07	09/26/07	477.5	12.1	15.5	18.6	16.5	0.0	0	0.0
HB	W1115	21-0454, 21-0538, 21-0654, 21-0765	06/08/07	09/26/07	477.0	15.0	19.1	24.2	20.3	47.2	10	0.0
HW01	W1575	21-0450, 21-0534, 21-0650, 21-0761	06/08/07	09/26/07	477.0	15.6	20.3	25.8	21.7	119.0	25	0.0
KR01	W0371	21-0461, 21-0545, 21-0661, 21-0772	06/08/07	09/26/07	475.0	14.2	17.7	22.2	18.9	22.7	5	0.0
LW01	W1561	21-0447, 21-0530, 21-0646, 21-0757	06/08/07	09/26/07	441.0	13.8	18.8	23.5	20.5	56.9	13	0.0
OB01	W1570	21-0449, 21-0532, 21-0648, 21-0759	06/08/07	09/26/07	475.5	15.6	20.5	26.9	22.1	118.5	25	0.0
RA01	W1569	21-0462, 21-0546, 21-0662, 21-0773	06/08/07	09/26/07	475.0	13.0	18.3	23.8	19.7	51.0	11	0.0
SC01	W1559	21-0459, 21-0543, 21-0659, 21-0770	06/08/07	09/26/07	475.5	14.5	19.5	23.7	20.2	119.0	25	0.0
SWB01	W1573	21-0444, 21-0533, 21-0649, 21-0760	06/08/07	09/26/07	475.0	13.7	17.8	22.2	19.3	19.2	4	0.0
TB01	W1562	21-0448, 21-0647, 21-0758	06/08/07	09/25/07	305.0	12.9	15.4	19.1	16.7	0.0	0	0.0
TB01A	W1723	21-0531	07/13/07	07/18/07	118.5	15.5	17.5	19.7	18.8	0.0	0	0.0

** = Probe lost during deployment

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Appendix 1: 2007 Data Symbols and Qualifiers

Excerpted from: CN 320.0 – *Water Quality Data Validation Report for Year 2007 Project Data.*
(MassDEP 2012b)

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

General Symbols (applicable to all types):

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

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

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

“ ^^ ” = No data due to no water

Multi-probe-specific Qualifiers:

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

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

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

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

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

“ r ” = data not representative of actual field conditions.

“ t ” = tidal conditions

Sample-Specific Qualifiers:

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

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

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

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

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

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

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

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

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

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

“ t ” = tidal conditions