

Technical Memorandum

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

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Division of Watershed Management
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Introduction

The Charles River Watershed water quality survey was conducted in 2007, along with dissolved metals investigations, multi-day dissolved oxygen/temperature data logging, benthic macroinvertebrate sampling, periphyton/phytoplankton sampling, fish toxics monitoring, and fish population sampling as part of the Division of Watershed Management (DWM) monitoring program. Macroinvertebrate, periphyton, and fish toxics/population data are presented in separate technical memoranda. Consistent with the DWM's general approach to watershed monitoring to meet defined programmatic objectives, water quality surveys were conducted from May through October with an emphasis on the warmest summer months.

Project Objectives

The 2007 surveys of the Charles River Watershed focused on obtaining information to meet the following objectives (MassDEP 2007a):

- Determine the water quality and biological health of rivers/streams within the watershed that were not assessed in the 2002 Water Quality Assessment Report and increase coverage to river/streams that have never before been assessed by conducting assessments based on chemical parameters and biological (aquatic macroinvertebrates, bacteria) communities.
- Provide biological and habitat data to document the status of benthic 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 fecal coliform and *E. coli* data for the purpose of assessing *Primary* and *Secondary Contact Recreational* uses in rivers/streams.
- Provide quality-assured dissolved metals data for the purpose of assessing the aquatic life use in rivers/streams
- Provide quality-assured data to DWM's Total Maximum Daily Load Program to assist with TMDL development.

Additional information regarding project objectives may be found in: MassDEP 2007b.

Sampling Plan

Water quality surveys were conducted a total of five times (May 15, June 19, July 24, August 28, and October 2) at each of 32 stations over the summer sampling season. Data collection included grab samples for total phosphorus, total nitrogen, ammonia nitrogen, total suspended solids, color, turbidity, hardness (some sites), and *E. coli* bacteria. Also, *in-situ* multiprobe measurements for temperature, dissolved oxygen, % oxygen saturation, pH, specific conductance, and total dissolved solids were collected at these sites using attended Hydrolab or YSI multiprobe meters. Data from these attended meters were used as quality control checks for the deployed (unattended) multiprobes and thermistors at the time of probe deployment and pickup. Continuous temperature and dissolved oxygen monitoring with unattended metered probes was carried out at all 32 sites. These unattended probes were deployed to 16 sites on Friday of the weeks preceding the water sampling surveys. Unattended units were

repositioned on Mondays to the other 16 sites with a final retrieval on Wednesday of that same week. During a portion of the low-flow period water levels at some sites were too low to deploy unattended probes or to take certain water quality samples. Dissolved metals samples were collected on August 9, August 30, September 6, and October 4, 2007. In addition, single parameter temperature probes (thermistors) were deployed at 12 sites for 5 months of continuous data collection. A summary of the types and frequency of sampling is provided in Table 1 below. Table 2 provides detailed information on site location and which analytes were collected at each site. Table 3 summarizes which analytes were collected on which dates during 2007. A map of Charles River Watershed 2007 sampling stations is provided in Figure 1.

Table 1. Types of water quality sampling and deployments conducted in the Charles River Watershed during 2007.

Analyte(s) or Investigation Type	Number of 2007 Charles River Sites	Maximum number of collection visits per site
Water Quality: Bacteria <i>E. coli</i>	32	5
Water Quality: Nutrients - total phosphorus, total nitrogen, ammonia-nitrogen, total suspended solids	32	5
Color, turbidity	32	5
Hardness (collected concurrent with some nutrient samples)	13	3
Deployed dissolved oxygen monitoring	32	5 (2-3 day deploys)
Dissolved Metals: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn, Ca, Mg, hardness	12	4
Deployed temperature probes (Thermistors)	12	1 five-month deploy per site

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 2004a), CN 4.21 - Water Quality Multiprobe Data Collection (MassDEP 2005b) and CN 4.41 - Multiprobe Sonde Deployments for Continuous Unattended Water Quality Data Collection (MassDEP 2007c).

The DWM quality assurance and database management staff reviewed laboratory data reports and all multiprobe data. The data were validated and finalized per data validation procedures outlined in CN 56.15 - DWM Water Quality Data Validation Process (Summary) (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). Quality assurance efforts were also conducted per CN 225.0 – Quality Assurance Program Plan (MassDEP 2005a). Appendix 1 of this technical memorandum contains definitions for all data qualifiers.

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 2004a). The Wall

Experiment Station (WES) supplied all sample bottles and field preservatives, which were prepared according to the WES Laboratory Quality Assurance Plan and Standard Operating Procedures (MassDEP 2001). Procedures used for multiprobe calibration and deployment are described in CN 4.21 - Water Quality Multiprobe Data Collection (MassDEP 2005b) and CN 4.41 - Multiprobe Sonde Deployments for Continuous Unattended Water Quality Data Collection (MassDEP 2007c).

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 all noted at each station.

Table 2. MassDEP DWM 2007 Charles River Watershed sampling station descriptions, number of samples or deployments and sampling parameters.

Station ID (Map Link)	Waterbody	Station Description	Latitude	Longitude	Nutrients	Color, Suspended Solids, Turbidity	E. coli	Attended Multiprobe	Deployed Multiprobe	Deployed Thermistor	Metals	Hardness
W0384	Charles River	[Footbridge above Watertown Dam, Watertown.]	42.36514506	-71.1903328	5	5	5	11	5			3
W0406	Rock Meadow Brook	[Summer Street, Westwood.]	42.24980727	-71.22270212	5	5	5	10	5			
W0407	Powissett Brook	[Wilsondale Street, Dover (below impoundment).]	42.25123355	-71.23970712	5	5	5	10	5			
W0408	Trout Brook	[Haven Street, Dover]	42.25436261	-71.29336327	5	5	5	12	5	1		3
W0409	Fuller Brook	[Dover Road, Wellesley]	42.28652324	-71.29384261	5	5	5	12	5	1	3	3
W0414	Charles River	[Walker Street, Medway (near USGS flow gauging station #01103280) (upstream of Charles River Pollution Control District (MA0102598) discharge)]	42.14007115	-71.3896734	5	5	5	14	7			3
W0416	Dopping Brook	[Whitney Street, Holliston]	42.21553968	-71.40765942	5	5	5	10	5			3
W0423	Bogastow Brook	[at Orchard Street below Bogastow Pond in the northern most outlet, Millis.]	42.18829134	-71.36280624	4	4	4	12	4	1		
W1135	Charles River	[Maple Street, Bellingham]	42.11943443	-71.45344443	5	5	5	10	5		3	6
W1136	Charles River	[Dean Street, Millis (downstream from the Charles River Pollution Control District (MA0102598) discharge)]	42.13828143	-71.35867289	5	5	5	10	5		4	7
W1137	Charles River	[Route 27, Medfield/Sherborn]	42.21006156	-71.35172497	5	5	5	10	5			3
W1138	Charles River	[approximately 1000 feet upstream of Davis Brook confluence, Natick (informal boat launch off Route 16)]	42.26439957	-71.32538186	5	5	5	10	5			3
W1139	Charles River	[south of Route 16 at the Mary Hunnewell Bridge crossing (footbridge west of Wales Street/Walnut Street), Newton/Wellesley]	42.32584268	-71.25439259	5	5	5	10	5			3

Station ID (Map Link)	Waterbody	Station Description	Latitude	Longitude	Nutrients	Color, Suspended Solids, Turbidity	<i>E. coli</i>	Attended Multiprobe	Deployed Multiprobe	Deployed Thermistor	Metals	Hardness
W1141	Charles River	[approximately 500 feet downstream of Willow Street/South Street, Dover/Needham (approximately 1000 feet upstream of USGS Dover gage #01103500)]	42.25781415	-71.26256067	5	5	5	10	5			3
W1142	Beaver Brook	[approximately 725 feet upstream of confluence with Charles River, Bellingham (upstream of footpath off Taunton Street)]	42.09620732	-71.47958751	5	5	5	10	5			
W1143	Beaver Brook	[at inlet to Mill Pond, Waltham/Belmont]	42.39554541	-71.19710167	5	5	5	10	5			
W1144	Beaver Brook	[Beaver Street, Waltham (downstream of Clematis Brook confluence)]	42.38300416	-71.2078492	5	5	5	10	5		4	4
W1147	Mine Brook	[Pond Street, Franklin]	42.12453197	-71.43065489	5	5	5	10	5		4	4
W1150	Stop River	[Campbell Street, Norfolk (approximately 1/2 mile upstream of MCI Norfolk Walpole WWTF (MA0102253) discharge)]	42.12911182	-71.30503033	5	5	5	10	5			3
W1151	Stop River	[Noon Hill Road, Medfield]	42.15866554	-71.30280983	5	5	5	12	5	1	4	7
W1156	Rosemary Brook	[Barton Road, Wellesley]	42.31931329	-71.24624794	5	5	5	10	5			
W1157	Stony Brook	[railroad tracks near Sibley Road, Weston/Waltham]	42.36795531	-71.27033164	5	5	5	12	5	1	4	4
W1582	Unnamed Tributary	[unnamed tributary between Bogle Brook/Reeds Pond and Morses Pond, Wellesley (just upstream of culverting under parking lot)]	42.30510355	-71.3252761	5	5	5	10	5			
W1583	Chicken Brook	[approximately 400 feet downstream of Winthrop Street, Medway]	42.15140376	-71.42713966	5	5	5	10	5			
W1584	Hopping Brook	[Hartford Avenue (Route 126), Bellingham]	42.13445842	-71.44602039	5	5	5	10	5			
W1585	Godfrey Brook	[Vernon Street, Milford]	42.13103033	-71.5155242	5	5	5	10	5			
W1586	Mill Brook	[North Meadows Road (Route 27), Medfield (identified as North Brook on USGS 1987 Medfield quad)]	42.19598069	-71.33022096	5	5	5	10	5			

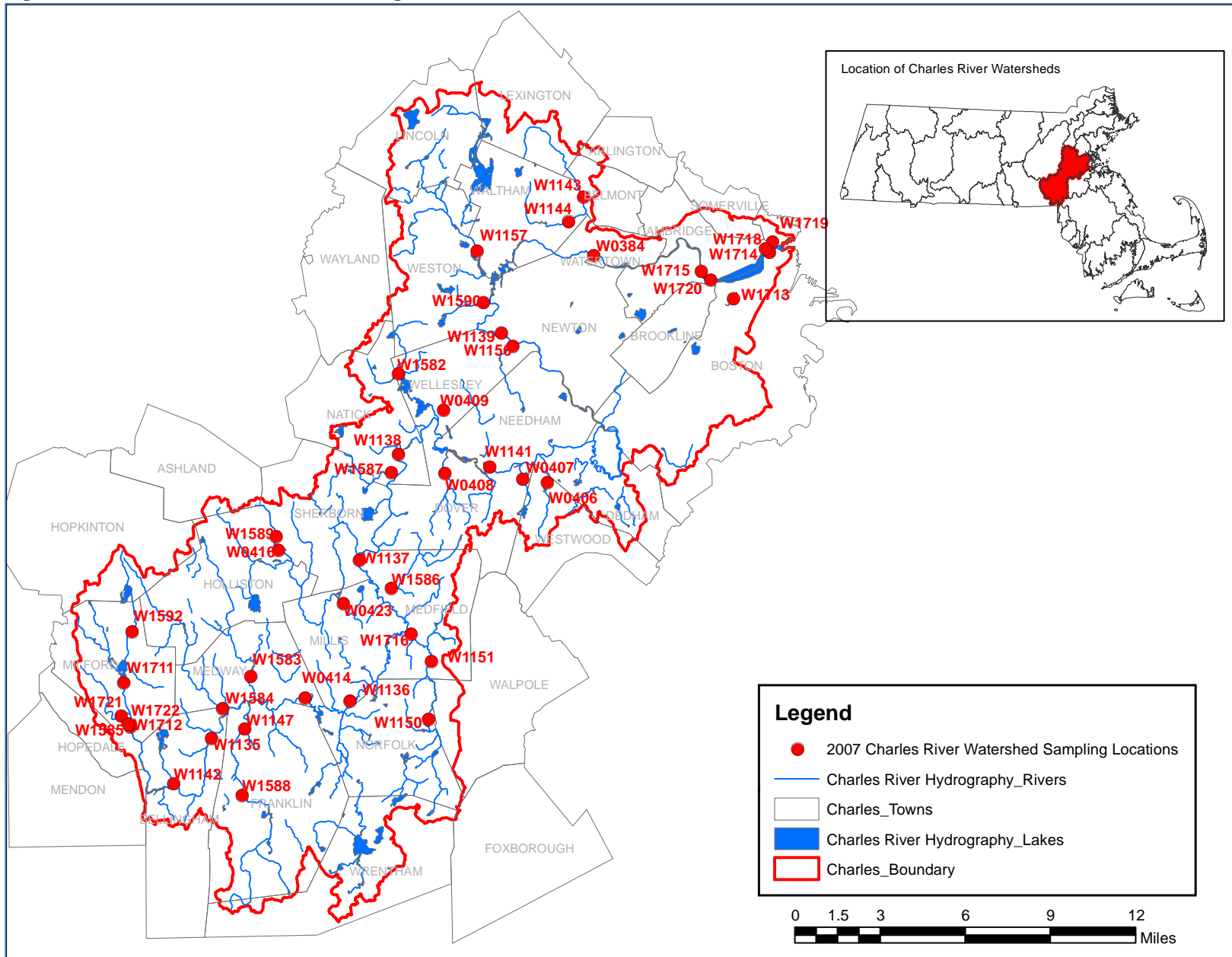
Station ID (Map Link)	Waterbody	Station Description	Latitude	Longitude	Nutrients	Color, Suspended Solids, Turbidity	E. coli	Attended Multiprobe	Deployed Multiprobe	Deployed Thermistor	Metals	Hardness
W1587	Unnamed Tributary	[unnamed tributary to Charles River, South Street Natick]	42.25505525	-71.33009248	5	5	5	10	5			
W1588	Mine Brook	[West Central Street (Route 140), Franklin]	42.09047755	-71.43283604	5	5	5	12	5	1		
W1589	Dopping Brook	[Brook Street, Holliston/Sherborn]	42.22237155	-71.40927393	5	5	5	10	5			
W1590	Seaverns Brook	[approximately 1100 feet downstream from Park Road, Weston]	42.34154459	-71.26662505	4	5	5	12	5	1		
W1592	Charles River	[Cedar Street (Route 85) crossing just upstream of Route 495, Milford]	42.17383927	-71.50839357	2	2	2	9	3			1
W1711	Charles River Cedar Swamp Pond	[just upstream at dam, Milford]	42.14771818	-71.51391017							4	4
W1712	Charles River	[Howard Street, Milford]	42.12549499	-71.50902288							3	3
W1713	Muddy River	[Agassiz Road, Boston]	42.34310311	-71.09424267							3	3
W1714	Unnamed Tributary	[unnamed tributary to the Charles River, locally known as "Millers River", approximately 50 feet from large gated culvert outlet beneath Route 93, Boston/Cambridge]	42.37182241	-71.06723692							3	3
W1715	Charles River	[approximately 1500 feet upstream from the Boston University Bridge, adjacent to the Riverside Boat Club parking lot, Cambridge]	42.35730202	-71.11629048							3	3
W1716	Stop River	[Causeway Street, Medfield]	42.17245221	-71.31726139	1		1					
W1718	Charles River	[approximately 200 feet upstream from Route 28, Boston (halfway down the narrow boat channel going past the Boston Museum of Science)]	42.36667075	-71.06969971				2		1		
W1719	Charles River	[river underneath Boston Museum of Science parking garage (immediately upstream of historic dam structure), Cambridge]	42.3685208	-71.07208308				2		1		

Station ID (Map Link)	Waterbody	Station Description	Latitude	Longitude	Nutrients	Color, Suspended Solids, Turbidity	<i>E. coli</i>	Attended Multiprobe	Deployed Multiprobe	Deployed Thermistor	Metals	Hardness
W1720	Charles River	[railroad bridge at Boston University Bridge, Cambridge/Boston]	42.35271817	-71.11015197				2		1		
W1721	Charles River	[approximately 315 feet north of Howard Street (just downstream of the Saint Gobain Containers outfall confluence, MAG250911), Milford]	42.12630414	-71.50957719				2		1		
W1722	Unnamed Tributary to Charles River	[Saint Gobain Containers outfall by company railroad spur (north of Howard Street) , Milford]	42.1269506	-71.5106886				2		1		

Table 3. MassDEP DWM 2007 Charles River Watershed – Number of water quality sites sampled by date and by analyte (does not include water quality sonde deployments).

Analyte	5/15	6/19	7/24	8/9	8/28	8/30	9/6	10/2	10/4
Total Nitrogen	32	33	31		30			30	
Nitrate/Nitrite-N	32	33	31		30			30	
Ammonia-N	32	33	31		30			30	
Total Phosphorus	32	33	31		30			30	
<i>E. coli</i>	32	33	31		30			31	
Apparent Color	32	32	31		30			31	
True Color	32	32	31		30			31	
Suspended Solids	32	32	31		30			30	
Turbidity	32	32	31		30			31	
Hardness		13	12	12	12	12	6		12
Metals				12		12	6		12

Figure 1. MassDEP DWM 2007 monitoring station locations in the Charles River Watershed.



Survey Conditions

Precipitation and stream discharge data were analyzed to estimate hydrological conditions during the 2007 water quality surveys in the Charles River Watershed. Precipitation data collected during the survey period in 2007 were downloaded from the National Oceanic and Atmospheric Administration (NOAA), National Climatic Data Center (NCDC) for the Logan International Airport, Boston MA (14739). Data were downloaded from <http://www.ncdc.noaa.gov/cdo-web/#t=firstTabLink>, <http://cdo.ncdc.noaa.gov/qclcd/QCLCD>, or <http://www.ncdc.noaa.gov/oa/ncdc.html>. The precipitation totals on the water quality survey dates and the five days prior to the survey dates were extracted from the records. In addition, the monthly precipitation totals for 2007 and the twenty-year monthly averages for the weather station were downloaded to determine if precipitation amounts in 2007 were above or below normal (Table 4).

Table 4. Total monthly precipitation in 2007 at Logan International Airport, Boston MA and the twenty-year monthly average precipitation totals (NOAA 2012).

Month	2007 Rainfall at Logan Airport (inches)	20-Year Average Rainfall (1981-2000)
	Map Link	
January	2.57	3.36
February	2.2	3.25
March	4.31	4.32
April	6.71	3.74
May	3.7	3.49
June	2.12	3.68
July	5.26	3.43
August	0.66	3.35
September	1.81	3.44
October	2.08	3.94
November	2.8	3.99
December	5.25	3.78

Stream discharge data from three real-time United States Geological Survey (USGS) stream gage stations (Table 5) were downloaded from the USGS (USGS 2012a). In addition, the 7Q10 for each gage station was calculated using USGS StreamStats (USGS 2012b) and included in Table 5. The entire period of record for each station was downloaded and the average daily discharge values on the water quality survey dates and the five days prior to the survey dates were extracted from these records. The percent of time that the average daily discharge on the extracted dates were equaled or exceeded during the entire period of record for the gage was calculated to put the discharge value into historical perspective. The precipitation and discharge data are summarized and presented in Table 6.

Table 5. USGS gage stations used to estimate the hydrological conditions in the Charles River Watershed during the 2007 DWM water quality surveys and the estimated 7Q10 flows for each gage. (USGS 2012a, 2012b). 7Q10 Statistics were obtained from the USGS via <http://streamstatsags.cr.usgs.gov/gages/viewer15.htm?stabbr=GAGES> or <http://streamstats.usgs.gov/massachusetts.html>.

Site Name	Period of Record	7Q10 (cfs)	Remarks	Lat/Long with Map Link
01103280 Charles River At Medway, MA	November 1997 to current year.	3.4	Flow affected by upstream withdrawals for municipal supplies.	42.13972 -71.39
01103500 Charles River At Dover, MA	Discharge: October 1937 to current year. Prior to October 1977, published as "at Charles River Village."	12.9	Flow affected by diversions to and from basin for municipal supplies.	42.25611 -71.26056
01104500 Charles River At Waltham, MA	Discharge: October 1903 to October 1909 (figures of average weekly discharge, equivalent to records of unadjusted discharge at present site), August 1931 to current year.	14.3	Flow affected by diversion to Mother Brook (Station 01104000), diversions to and from basin for municipal supplies, and at times by water released from Stony Brook Reservoir. Prior to 1960, some regulation by mills upstream. Low flow completely regulated by Boston Edison Co. power plant prior to 1954.	42.37222 -71.23417

Table 6. The precipitation totals (inches) and daily average discharge (cubic feet per second) for five days prior to and each DWM 2007 Charles River Watershed survey date (USGS 2012a) (NOAA 2012).

Note: The percent of time that the daily average discharge was equaled or exceeded over the entire period of record at each stream gage are also provided (percent exceeded). Shaded dates indicate the deployment of multiprobes and bold dates indicate collection of water samples.

Date	Logan Airport Rainfall (in)	Gage Flow in cfs and (% Exceeded)		
		Dover Gage 1103500	Medway Gage 1103280	Waltham Gage 1104500
5/10		446 (24.5)	101 (41.4)	269 (44.9)
5/11	0.07	410 (28)	97 (43)	269 (44.9)
5/12		374 (31.5)	93 (44.6)	295 (41.4)
5/13		340 (34.9)	88 (46.6)	292 (41.7)
5/14		308 (38.1)	80 (50.2)	274 (44.2)
5/15	0.09	280 (41.4)	76 (51.7)	259 (46.3)
5/16	0.79	274 (42.1)	81 (49.9)	284 (42.8)
6/14		315 (37.4)	71 (53.9)	270 (44.8)
6/15		284 (40.9)	65 (56.7)	213 (53.5)
6/16		254 (44.7)	55 (62.2)	207 (54.5)
6/17	0.02	224 (48.9)	48 (66.7)	190 (57.7)
6/18		198 (53.3)	49 (66.1)	172 (60.8)

Date	Logan Airport Rainfall (in)	Gage Flow in cfs and (% Exceeded)		
		Dover Gage 1103500	Medway Gage 1103280	Waltham Gage 1104500
6/19		184 (55.8)	46 (67.7)	147 (65.6)
6/20	0.16	172 (58.2)	43 (69.7)	108 (73.8)
7/19	0.11	65 (82.3)	14 (90.3)	40 (92.3)
7/20	0.01	66 (82)	17 (87.2)	41 (91.9)
7/21		65 (82.3)	17 (87.2)	38 (92.9)
7/22		65 (82.3)	15 (89.2)	37 (93.3)
7/23	0.06	63 (83)	14 (90.3)	36 (93.6)
7/24		62 (83.4)	13 (91.4)	36 (93.6)
7/25		56 (85.4)	13 (91.4)	35 (93.9)
8/4		50 (87.8)	8.5 (95.8)	42 (91.6)
8/5		45 (89.7)	7.8 (96.5)	35 (93.9)
8/6	0.24	45 (89.7)	7.3 (97.2)	36 (93.6)
8/7		44 (90)	7.4 (97)	39 (92.6)
8/8	0.28	44 (90)	8.2 (96.1)	40 (92.3)
8/9		41 (91.2)	8.1 (96.2)	32 (94.8)
8/23		25 (96.8)	6.4 (98.1)	19 (97.8)
8/24		26 (96.6)	6.2 (98.3)	20 (97.6)
8/25		27 (96.3)	5.9 (98.4)	19 (97.8)
8/26		26 (96.6)	5.4 (98.6)	19 (97.8)
8/27		25 (96.8)	5.3 (98.6)	19 (97.8)
8/28		24 (97.1)	4.9 (98.9)	19 (97.8)
8/29		22 (97.6)	4.8 (99.1)	19 (97.8)
8/30		21 (97.8)	4.4 (99.3)	19 (97.8)
9/1		21 (97.8)	3.5 (99.7)	18 (97.9)
9/2		19 (98.3)	3.3 (99.7)	18 (97.9)
9/3		17 (98.7)	3.2 (99.8)	17 (98.1)
9/4		15 (99.1)	3.1 (99.8)	16 (98.3)
9/5		12 (99.6)	3 (99.9)	16 (98.3)
9/6		11 (99.7)	3.1 (99.8)	16 (98.3)
9/27	0.15	16 (99)	4.3 (99.3)	16 (98.3)
9/28		15 (99.1)	5 (98.8)	16 (98.3)
9/29		13 (99.4)	5.3 (98.6)	15 (98.4)
9/30		11 (99.7)	4.9 (98.9)	14 (98.6)
10/1		11 (99.7)	5.2 (98.7)	14 (98.6)
10/2		10 (99.7)	4.9 (98.9)	14 (98.6)
10/3		12 (99.6)	4.8 (99.1)	14 (98.6)
10/4		18 (98.5)	5.2 (98.7)	14 (98.6)

Station Observations

Station observations were recorded on field sheets for each survey by a DWM investigator. Station observations are described below in Table 7 for each sampling event (MassDEP 2007d).

Table 7. 2007 Field observations from MassDEP DWM Charles River Watershed river surveys.

S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NR=not recorded) (MassDEP 2007c)

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W0384	5/11	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									
W0384	5/15	N	Clear	Brownish	Sparse	NR	S	NR	NR	No		Yes	shopping carts in stream, some trash on bank.	
W0384	6/15	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									
W0384	6/19	N	Slightly Turbid	Brownish	Sparse	U	U	U	U	No		No		side by side with Charles River Watershed Association (CRWA) volunteers
W0384	7/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0384	7/24	N	Clear	Light Yellow/ Tan	Sparse	NR	M	NR	S	No		No		
W0384	8/24	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W0384	8/28	N	Clear	Clear	Moderate	NR	M	NR	NR	No		Yes	trash; assorted small trash in stream/banks	downstream side (no basket bottles provided)
W0384	9/28	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W0384	10/2	N	Clear	Clear	Moderate	D	NR	NR	NR	Yes	algal mat; algal mat around lilies/plant on left bank and into middle	Yes	algal mat	water was sluggish, lots of algal mats on surface
W0406	5/11	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0406	5/15	N	Clear	Light Yellow/ Tan	**Not Recorded**	S	NR	NR	S	No		No		using pole to dip mid channel
W0406	6/15	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0406	6/19	N	Clear	Brownish	N	NR	NR	NR	S	Yes	foam; moderate foam behind rocks	Yes	trash, slight	
W0406	7/20	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0406	7/24	Musty (Basement)	Clear	Clear	N	NR	NR	NR	S	Yes	foam; natural foam	No		
W0406	8/24	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0406	8/28	N	Slightly Turbid	Clear	N	NR	NR	M	S	No		Yes	trash; tire, bottle, foam core	

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W0406	9/28	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0406	10/2	N	Clear	Brownish	N	NR	NR	D	NR	No		No		
W0407	5/14	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0407	5/15	N	Clear	Light Yellow/ Tan	N	NR	NR	NR	M	No		No		
W0407	6/18	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0407	6/19	N	Clear	Light Yellow/ Tan	N	NR	NR	NR	S	Yes	foam; slight	No		
W0407	7/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0407	7/24	N	Clear	Clear	N	NR	NR	NR	S	No		No		met surveyors working on pond, was dredged previously about 15 years; homeowner trying to sell house conservation commission issues, use pond for well.

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W0407	8/27	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0407	8/28	Musty (Basement)	Clear	Clear	Sparse	NR	NR	M	S	No		No		
W0407	10/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0407	10/2	N	Clear	Brownish	**Not Recorded**	NR	NR	NR	D	No		No		very little flow, pools stagnant, filled larger bottles using small color bottle
W0408	5/14	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W0408	5/15	N	Clear	Light Yellow/ Tan	Sparse	M	M	NR	S	No		No		
W0408	6/18	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W0408	6/19	N	Clear	Brownish	Moderate	N	N	N	N	No		No		

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W0408	6/28	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										DEPLOYMENT: NOTE: USGS gauge has been installed at Trout Brook!!
W0408	7/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W0408	7/24	N	Slightly Turbid	Brownish	Sparse	NR	NR	NR	D	No		No		new USGS gage station and staff gage	
W0408	8/27	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										
W0408	8/28	N	Slightly Turbid	Brownish	Moderate	D	NR	D	NR	No		No			
W0408	10/1	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W0408	10/2	N	Clear	Light Yellow/ Tan	Moderate	NR	Only Box check ed	NR	NR	No		No			
W0409	5/14	N	Clear	Reddish rusty	Not Applicable - Probe Deploy Field Sheet										
W0409	5/15	N	Slightly Turbid	yellow	N	N	N	N	N	No		No			

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W0409	6/18	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W0409	6/19	N	Clear	Brownish	N	N	N	N	N	Yes	foam, slight	No			
W0409	6/28	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										
W0409	7/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W0409	7/24	Musty (Basement)	Clear	Clear	N	NR	S	NR	NR	Yes	foam; natural foam	No		concrete block channel is approximately 3 feet below highest part of bankfull creates depth for fish	
W0409	8/9	N	Clear	Light Yellow/ Tan	N	NR	S	NR	NR	No		Yes	trash; light		
W0409	8/27	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W0409	8/28	N	Clear	Clear	N	NR	D	NR	NR	No		Yes	trash, slight	weird concrete lined channel in stream.	
W0409	8/30		Clear	Clear	N	NR	S	NR	NR	No		Yes	trash		
W0409	10/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W0409	10/2	N	Clear	Light Yellow/ Tan	**Not Recorded**	NR	NR	NR	NR	No		No			
W0409	10/4	N	Clear	Clear	N	N	N	N	N	No		No			
W0414	5/14	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										
W0414	5/15	N	Clear	Brownish	N	N	N	N	N	No		No			
W0414	6/18	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W0414	6/19	N	Clear	Light Yellow/ Tan	Sparse	S	NR	NR	NR	No		Yes	trash; tires etc.		
W0414	7/23	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										
W0414	7/24	N	Clear	Clear	N	VD	NR	NR	NR	No		No			
W0414	8/24	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										W1592 is dry. Probe deployed at W0414.
W0414	8/27	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W0414	8/28	N	Clear	Clear	**Not Recorded**	On ly Box che cke d	NR	NR	NR	No		Yes	trash; nothing too recent	took sample for Joan to compare to bloom at W1136	

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W0414	9/28	N	Clear	Slight Yellow	Not Applicable - Probe Deploy Field Sheet									
W0414	10/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0414	10/2	N	Clear	Clear	N	VD	NR	NR	NR	No		No		
W0416	5/14	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W0416	5/15	N	Clear	Brownish	Very Dense	S	NR	NR	NR	No		No		
W0416	6/18	N	Modera tely Turbid	Blackish	Not Applicable - Probe Deploy Field Sheet									
W0416	6/19	N	Clear	Light Yellow/ Tan	Sparse	NR	NR	NR	M	No		No		
W0416	7/23	N	Slightly Turbid	Reddish	Not Applicable - Probe Deploy Field Sheet									
W0416	7/24	N	Slightly Turbid	Light Yellow/ Tan	Sparse	NR	NR	NR	D	No		Yes	trash	
W0416	8/27	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W0416	8/28	N	Clear	Clear	Moderate	NR	NR	NR	NR	No		Yes	trash, cans etc. limited		
W0416	10/1	N	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet										
W0416	10/2	N	Clear	Clear	Dense	N	N	N	N	No		No		had to use turbidity bottle to fill nutrients, TSS due to sediment disturbance still got some disturbed sediment in bottle	
W0423	5/14	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										
W0423	5/15	N	Clear	Brownish very brownish	Sparse	N	N	N	VD	No		No		lots of poison ivy.	
W0423	6/18	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W0423	6/19	Musty (Basement)	Slightly Turbid	Light Yellow/ Tan	N	NR	NR	NR	VD	No		No			
W0423	6/28	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										
W0423	7/23	N	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet										

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W0423	7/24	N	Clear	Light Yellow/ Tan	N	NR	M	S	D	No		Yes		trash, orange floc; glass on bottom
W0423	8/27	NR	NR	NR	Not Applicable - Probe Deploy Field Sheet								NO DEPLOY Flow too low for deployment. Flow trickling over dam but water is in the interstitial spaces between boulders and cobble substrate. Construction being conducted on the wing walls of the downstream side of bridge.	
W0423	8/28	Musty (Basement)	Clear	Light Yellow/ Tan	Sparse	NR	NR	M	D	Yes	oily sheens; not oil	Yes	old debris (glass/brick/etc)	temperature logger still submerged (barely), water in unconnected pools stagnant,

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W0423	10/1	NR	NR	NR	Not Applicable - Probe Deploy Field Sheet									Water trickling from dam. No logical place to deploy probe. Water may be flowing beneath or between large boulder substrate but is not evident. Isolated pools. NO DEPLOY.
W0423	10/2	N	Slightly Turbid	Clear	N	N	N	N	N	Yes	pollen/dust blankets; natural	No		sampled trickle coming over dam, may not be a valid sample, DD must discuss with Richard
W1135	5/11	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1135	5/15	effluent (treated) slight	Clear	Light Yellow/ Tan	N	M	NR	NR	NR	No		No		
W1135	6/15	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1135	6/19	effluent (treated)	Clear	Clear	N	N	N	N	N	No		No		
W1135	7/20	N	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1135	7/24	effluent (treated)	Clear	Clear	N	NR	S	NR	NR	No		Yes	trash	
W1135	8/9	N	Clear	Clear	N	NR	Only Box checked	NR	M	No		No		
W1135	8/24	effluent	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1135	8/28	Musty (Basement)	Slightly Turbid	Clear	N	NR	NR	NR	S	No		No		
W1135	8/30	not applicable	Clear	Clear	Sparse	NR	M	NR	M	NR		No		field filtered
W1135	9/28	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1135	10/2	N	Clear	Light Yellow/Tan	N	NR	D	NR	D	No		No		nice site
W1135	10/4	N	Clear	Clear	N	N	N	N	N	No		No		good flow
W1136	5/14	sewage/septic	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1136	5/15	N	Clear	Brownish	Sparse	N	N	N	S	No		No		downstream side of bridge
W1136	6/18	treated effluent	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W1136	6/19	Chlorine	Clear	Light Yellow/ Tan	N	D	D	NR	M	No		No			
W1136	7/23	Chlorine effluent	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet										
W1136	7/24	Effluent (treated)	Clear	Light Yellow/ Tan	Dense	D	NR	NR	NR	No		No			
W1136	8/9	effluent (treated)	Clear	Greyish	Dense	M	D	NR	NR	Yes	foam	Yes	trash		
W1136	8/27	effluent	Highly Turbid	Greenish	Not Applicable - Probe Deploy Field Sheet										
W1136	8/28	treated effluent	Moderately Turbid	Greenish	Dense	M	D	NR	NR	Yes	algal mat; major algal mat and bloom	Yes	trash; some	Bloom - no bloom upstream at Walker Street, took sample for Joan	
W1136	8/30	treated effluent	Highly Turbid	Greenish greenish	Dense	D	D	NR	NR	Yes	algal mat	Yes	algal mats	field filtered both dups (emptied/refilled 1st sample since forgot to rinse bottle).	

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1136	9/6	treated effluent	Moderately Turbid	Greenish	Dense	NR	NR	NR	NR	Yes	algal mat, periphytic	Yes	trash	OWMID 1317 : Jar 0796, OWMID 1316 : Jar 0288, OWMID 1315 : Jar 0848
W1136	10/1	effluent	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1136	10/2	treated effluent	Moderately Turbid	Clear	Dense	VD	NR	NR	NR	Yes	foam minimal	No		
W1136	10/4	Effluent (treated)	Moderately Turbid	Greenish	Dense	D	VD	S	M	No		No		talked to resident and two dogs
W1137	5/14	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1137	5/15	N	Slightly Turbid	Brownish	Sparse	S	N	N	N	No		No		
W1137	6/18	N	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1137	6/19	N	Clear	Light Yellow/ Tan	Sparse	N	N	N	N	Yes	oily sheens	No		
W1137	7/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1137	7/24	Effluent (treated)	Slightly Turbid	Light Yellow/ Tan	Sparse	NR	S	NR	NR	No		Yes	trash, fishing debris, bottles, cans	
W1137	8/27	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									Sample collected for Joan.
W1137	8/28	N	Slightly Turbid	Greenish	U	U	U	U	U	Yes	algal mat	Yes	trash; moderate	looks green. Took sample for Joan.
W1137	10/1	unknown	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1137	10/2	N	Slightly Turbid	Clear	Sparse	U	U	U	U	Yes	pollen/dust blankets	No		flow barely detectable
W1138	5/14	N	Modera tely Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1138	5/15	N	Slightly Turbid	Light Yellow/ Tan	Sparse	U	U	U	U	No		No		

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Flocc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1138	6/18	N	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1138	6/19	N	Slightly Turbid	Brownish	U	U	U	U	U	No		No		
W1138	7/23	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1138	7/24	N	Slightly Turbid	Brownish	Moderate	M	NR	NR	NR	No		No		
W1138	8/27	Sulfide (rotten egg)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1138	8/28	N	Slightly Turbid	Clear	Moderate	D	NR	D	NR	Yes		Yes	trash; slight amount	surface covered with water meal (approximately 40%), collected some for ID (#286). Dead fish from previously reported fish kill (approximately 15-20). No new ones seen dead.
W1138	10/1	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1138	10/2	N	Clear	Light Yellow/ Tan	**Not Recorded**	VD	NR	NR	NR	No		No		
W1139	5/11	effluent	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1139	5/15	N	Slightly Turbid	Brownish	U	U	U	U	U	No		No		
W1139	6/15	sewage/septic	Modera tely Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1139	6/19	Musty (Basement)	Clear	Light Yellow/ Tan	U	U	U	U	U	No		No		

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1139	7/20	NR	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									
W1139	7/24	Musty (Basement)	Slightly Turbid	Clear	N	U	U	U	U	No		No		
W1139	8/24	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1139	8/28	N	Slightly Turbid	Light Yellow/ Tan	Moderate	D	D	NR	NR	Yes	pollen/dust blankets; natural - sparse but noticeable algal clumps	No		majority of flow going through fish ladders
W1139	9/28	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1139	10/2	N	Slightly Turbid	Light Yellow/ Tan	N	U	U	U	U	No		No		
W1141	5/14	treated effluent	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1141	5/15	Rotting Vegetables algal??	Slightly Turbid	Light Yellow/ Tan	Sparse	D	NR	NR	NR	Yes	foam	Yes	lots of algae (filamentous) exposed along margins	
W1141	6/18	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1141	6/19	N	Clear	Brownish	U	NR	VD	NR	NR	Yes	foam; moderate on surface, behind debris	No		grab pole used
W1141	7/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1141	7/24	Effluent (treated)	Slightly Turbid	Light Yellow/ Tan	N	M	S	S	NR	Yes	foam; duck weed	No		
W1141	8/27	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1141	8/28	Musty (Basement)	Slightly Turbid	Brownish	Dense	VD	VD	VD	NR	Yes	Algal mat; also Wolffia (water meal?) all over surface, brought back a sample for positive ID	No	1/22/09 D. Davis discussed with C. Duerring, result; Impair for aesthetics based on periphyton density - bizarrely dense	dense floating algae and floating water meal? Light green, small clumps - collected some (#282). Dense algal mats on bottom.
W1141	10/1	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1141	10/2	Raw sewage	Clear	Light Yellow/ Tan	Dense	VD	NR	NR	Only Box checked	No		**Not Recorded**		
W1142	5/11	N	Clear	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1142	5/15	N	Clear	Light Yellow/ Tan	N	M	NR	NR	NR	No	algal mat and duckweed upstream, none at site	No	none at site but trash upstream	
W1142	6/15	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1142	6/19	N	Slightly Turbid	Light Yellow/ Tan	Sparse	NR	S	NR	NR	No		No		
W1142	7/20	N	Modera tely Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1142	7/24	N	Clear	Light Yellow/ Tan	N	NR	NR	NR	S	No		No		
W1142	8/24	N	Clear	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1142	8/28	Musty (Basement)	Slightly Turbid	Light Yellow/ Tan	N	N	N	N	N	No		No		

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W1142	9/28	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1142	10/2	N	Clear	Light Yellow/ Tan	N	NR	M	NR	NR	No		No	some limited trash bike		
W1143	5/11	Musty (Basement)	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet										
W1143	5/15	N	Slightly Turbid	Brownish	N	NR	S	NR	NR	No		No			
W1143	6/15	Musty (Basement)	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet										
W1143	6/19	N	Slightly Turbid	Brownish	Sparse	M	M	NR	M	No		No		pond reduced to single channel	
W1143	7/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1143	7/24	N	Slightly Turbid	Greyish	U	N	N	N	M	Yes	oily sheens, pollen/dust blankets	No			
W1143	8/24	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1143	8/28	N	Clear	Clear	N	NR	NR	VD	M	No		No		extremely low flow collected in pool with visible flow lines	

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W1143	9/28	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1143	10/2	N	Clear	Clear	N	NR	NR	D	VD	Yes	pollen/dust blankets; downstream near pond inlet	No		large rock dam made/constructed instream	
W1144	5/11	Sulfide (rotten egg)	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet										
W1144	5/15	N	Slightly Turbid	Light Yellow/Tan	N	M	M	NR	NR	No		Yes	trash on banks		
W1144	6/15	Musty (Basement)	Moderately Turbid	Clear	Not Applicable - Probe Deploy Field Sheet										
W1144	6/19	Petroleum	Slightly Turbid	Brownish	N	NR	NR	D	NR	No		Yes	trash bags, debris, garbage		
W1144	7/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1144	7/24	N	Clear	Greyish	N	NR	M	NR	M	Un-Observable		Yes	trash		
W1144	8/9	N	Slightly Turbid	Greyish	N	NR	M	NR	NR	No		No			
W1144	8/24	Musty (Basement)	Moderately Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet										

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1144	8/28	NR	Slightly Turbid	Light Yellow/ Tan	N	U	U	U	U	Yes	pollen/dust blankets; looks natural	Yes	trash	
W1144	8/30	Musty (Basement) Effluent (treated)	Moderately Turbid	Greyish	N	U	U	U	U	Yes	oily sheens	Yes	trash	"yucky" site
W1144	9/6	not applicable	Moderately Turbid	Light Yellow/ Tan	N	NR	D	NR	NR	Yes	oily sheens, pollen/dust blankets	Yes	trash; light trash	
W1144	9/28	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									
W1144	10/2	N	Slightly Turbid	Greyish	N	NR	NR	NR	S	Yes	oily sheens	Yes	trash; slight, old bike in water	
W1144	10/4	not applicable	Slightly Turbid	Clear	N	N	N	N	N	Yes	oily sheens	Yes	trash	propane smell
W1147	5/11	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1147	5/15	N	Clear	Brownish	Moderate	M	NR	NR	NR	No		No		
W1147	6/15	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1147	6/19	N	Clear	Light Yellow/ Tan	Moderate	N	N	N	N	No		No		
W1147	7/20	N	Moderately Turbid	Greyish	Not Applicable - Probe Deploy Field Sheet									
W1147	7/24	N	Moderately Turbid	Light Yellow/ Tan	Dense	NR	S	NR	NR	No		Yes	trash	
W1147	8/9	N	Clear	Greyish	Very Dense	NR	M	NR	NR	No		No		
W1147	8/24	N	Moderately Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1147	8/28	Musty (Basement)	Slightly Turbid	Light Yellow/ Tan	Dense	D	NR	NR	D	Yes	oily sheens, algal mat; algal mat significant also noted in periphyton section	No		Deer crossing upstream of site
W1147	8/30	not applicable	Slightly Turbid	Clear	Dense	NR	M	NR	NR	No		No		field - filtered

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1147	9/6	not applicable	Slightly Turbid	Clear	Dense	NR	Only Box checked	NR	NR	No		Yes	trash; minor/moderate	sampled 50' upstream of bridge, upstream of small beaver dam. Very low flow.
W1147	9/28	Musty (Basement)	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1147	10/2	N	Clear	Light Yellow/Tan	Sparse	U	U	U	U	Yes	oily sheens	No		stream impounded beavers
W1147	10/4	N	Clear	Light Yellow/Tan	Moderate	U	U	U	U	No		No		water level up (beaver dam downstream)
W1150	5/14	Musty (Basement)	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									
W1150	5/15	N	Clear	Brownish	**Not Recorded**	N	N	N	M	No	lots of gradient change	No		
W1150	6/18	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1150	6/19	N	Slightly Turbid	Brownish	N	NR	NR	NR	D	Yes	foam; seems like natural foam	No		
W1150	7/23	Musty (Basement)	Clear	Brownish	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1150	7/24	N	Clear	Light Yellow/ Tan	N	D	NR	NR	NR	No		No		
W1150	8/27	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									algal bloom, green water, sample taken
W1150	8/28	Musty (Basement)	Modera tely Turbid	Greenish	**Not Recorded**	NR	M	NR	M	Yes	foam	Yes	algal bloom, took sample	Algal bloom - took sample for Joan
W1150	10/1	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1150	10/2	N	Clear	Clear	N	NR	M	NR	NR	No		No		
W1151	5/14	NR	NR	NR	Not Applicable - Probe Deploy Field Sheet									
W1151	5/15	N	Clear	Light Yellow/ Tan	Sparse	N	N	N	D	No		No		
W1151	6/18	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1151	6/19	N	Clear	Clear	Moderate	NR	NR	NR	VD	No		No		
W1151	6/28	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1151	7/23	Sulfide (rotten egg)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1151	7/24	Musty (Basement)	Clear	Clear	Moderate	NR	NR	NR	VD	No		No		
W1151	8/9	N	Clear	Clear	Moderate	NR	NR	NR	NR	No		No		

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Flocc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1151	8/27	N	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									water more green today (not green yesterday) - other site W1150 upstream today was very green
W1151	8/28	Musty (Basement)	Clear	Light Yellow/ Tan	Moderate	M	VD	NR	D	No		No		no bloom evident even though there was one at upstream station.
W1151	8/30		Slightly Turbid	Greenish	Moderate	NR	M	NR	S	No		No		
W1151	9/6	not applicable	Slightly Turbid	Light Yellow/ Tan	Sparse	NR	M	NR	NR	No		No		Serial # 000839
W1151	10/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1151	10/2	N	Clear	Clear	N	NR	S	NR	M	No		No		
W1151	10/4	N	Clear	Clear	Sparse	NR	D	NR	D	No		No		beaver dam 5 feet up from bridge
W1156	5/11	N	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1156	5/15	N	Clear	Clear	Sparse	NR	M	NR	NR	No		Yes	golf club, miscellaneous trash	
W1156	6/15	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1156	6/19	N	Clear	Clear	Sparse	NR	M	NR	S	No		Yes	trash, log jam with debris	
W1156	7/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1156	7/24	N	Clear	Clear	Sparse	S	M	NR	S	No		Yes	trash - trash in stream and along banks	
W1156	8/24	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1156	8/28	N	Clear	Clear	N	M	D	D	NR	No		Yes	trash; trash in stream and on banks	
W1156	9/28	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1156	10/2	Musty (Basement)	Clear	Clear	N	NR	M	D	S	Yes	pollen/dust blankets	Yes	trash; moderate amount	
W1157	5/11	Musty (Basement)	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1157	5/15	Musty (Basement)	Slightly Turbid	Light Yellow/ Tan	N	M	M	NR	NR	No		No		
W1157	6/15	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1157	6/19	Musty (Basement)	Slightly Turbid	Light Yellow/ Tan	N	NR	NR	NR	M	No		No		
W1157	6/28	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1157	7/20	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1157	7/24	N	Clear	Clear	N	NR	S	NR	S	No		No		
W1157	8/9	N	Slightly Turbid	Greyish	N	NR	S	NR	S	No		Yes	trash; old metal items and debris (minor)	
W1157	8/24	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1157	8/28	N	Clear	Clear	N	S	S	S	S	No		No		
W1157	8/30	not applicable	Slightly Turbid	Clear	N	NR	S	NR	NR	No		No		
W1157	9/6	N	Slightly Turbid	Clear	**Not Recorded**	NR	S	NR	S	No		No		
W1157	9/28	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1157	10/2	N	Clear	Clear	N	NR	M	NR	S	No		Yes	trash	
W1157	10/4	N	Clear	Clear	N	U	U	U	U	No		No		

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W1582	5/14	Sulfide (rotten egg)	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet										
W1582	5/15	N	Clear	Light Yellow/ Tan	N	N	N	N	N	No		Yes	trash		
W1582	6/18	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet										
W1582	6/19	NR	Clear	Light Yellow/ Tan	N	N	N	N	N	No		Yes	trash, slight		
W1582	7/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1582	7/24	N	Clear	Clear	N	N	N	N	N	No		Yes	trash; lawn trash clogging central culvert		
W1582	8/27	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1582	8/28	N	Clear	Clear	N	NR	NR	S	NR	No		No		yard work dumped in stream (leaves, grass)	
W1582	10/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1582	10/2	N	Clear	Light Yellow/ Tan	N	N	N	N	N	No		No		strong smell of natural gas	

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W1583	5/11	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1583	5/15	N	Clear	Light Yellow/ Tan	N	N	N	N	N	Yes	foam	No			
W1583	6/15	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1583	6/19	Musty (Basement)	Clear	Light Yellow/ Tan	Sparse	NR	NR	NR	S	Yes	foam	Yes	trash		
W1583	7/20	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										
W1583	7/24	N	Clear	Clear	N	NR	NR	NR	S	No		Yes	trash		
W1583	8/24	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1583	8/28	N	Clear	Clear	N	NR	NR	NR	S	No		No			
W1583	9/28	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1583	10/2	N	Clear	Clear	Dense	NR	D	NR	M	Yes	oily sheens	No			
W1584	5/11	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1584	5/15	N	Clear	Brownish	N	N	N	N	N	No		Yes	trash		
W1584	6/15	N	Clear	Reddish rusty	Not Applicable - Probe Deploy Field Sheet										
W1584	6/19	N	Clear	Brownish	Sparse	NR	NR	NR	S	No		Yes	trash		

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W1584	7/20	N	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet										
W1584	7/24	N	Slightly Turbid	Light Yellow/ Tan	N	NR	NR	NR	S	No		Yes	trash	Pipe running through river underwater	
W1584	8/24	N	Clear	Brownish	Not Applicable - Probe Deploy Field Sheet										
W1584	8/28	N	Slightly Turbid	Light Yellow/ Tan	N	N	N	N	N	Yes	oily sheens, pollen/ dust blankets; minimal oil sheen and pollen	No			
W1584	9/28	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										
W1584	10/2	N	Clear	Light Yellow/ Tan	N	NR	D	NR	M	Yes	oily sheens	Yes	trash; some trash metal	water close to stagnant	
W1585	5/11	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1585	5/15	N	Clear	Clear	Sparse	VD	NR	NR	NR	No		No			
W1585	6/15	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1585	6/19	N	Clear	Clear	N	NR	NR	NR	VD	No		No			
W1585	7/20	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet										

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1585	7/24	N	Clear	Clear	Sparse	NR	NR	NR	D	No		Yes	trash	sampled upstream of dead animal in water (muskrat?)
W1585	8/24	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1585	8/28	N	Clear	Clear	Sparse	NR	NR	NR	M	No		Yes	trash; minimal	
W1585	9/28	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1585	10/2	N	Clear	Clear	Sparse	NR	NR	NR	NR	No		No		
W1586	5/14	N	Clear	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1586	5/15	N	Clear	Brownish slight tan	Sparse	N	N	N	M	No		No		
W1586	6/18	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment	
W1586	6/19	Musty (Basement)	Clear	Light Yellow/ Tan	N	N	N	N	N	Yes	foam; natural	Yes	trash		
W1586	7/23	N	Clear	Brownish	Not Applicable - Probe Deploy Field Sheet										
W1586	7/24	N	Clear	Brownish	N	VD	NR	NR	S	No		Yes	trash; typical roadside trash		
W1586	8/27	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1586	8/28	N	Clear	Clear	N	NR	VD	D	NR	No		No			
W1586	10/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1586	10/2	N	Slightly Turbid	NR	N	N	N	N	N	No		No		used turbidity bottle to fill nutrients, TSS due to unavoidable sediment disturbance.	
W1587	5/14	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1587	5/15	N	Clear	Light Yellow/ Tan	N	NR	NR	NR	S	Yes	foam, natural	No			
W1587	6/18	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet										
W1587	6/19	N	Clear	Brownish	N	N	N	N	N	Yes	foam	No			

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1587	7/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1587	7/24	Musty (Basement)	Slightly Turbid	Light Yellow/ Tan	N	NR	D	NR	NR	No		Yes	trash, one lone cinder block	Dan, sample upstream or downstream road in future?
W1587	8/27	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1587	8/28	N	Slightly Turbid	Greyish	N	NR	S	M	Onl y Bo x che cke d	No		No		
W1587	10/1	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1587	10/2	N	Clear	Light Yellow/ Tan	N	NR	NR	M	NR	No		No		
W1588	5/11	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1588	5/15	N	Slightly Turbid	Light Yellow/ Tan	N	NR	M	NR	NR	Yes	algal mat, foam	Yes	trash	
W1588	6/15	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1588	6/19	N	Slightly Turbid	Light Yellow/ Tan	Sparse	NR	NR	NR	S	No		Yes	trash	
W1588	6/28	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1588	7/20	N	Slightly Turbid	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1588	7/24	Musty (Basement)	Moderately Turbid	Light Yellow/ Tan	N	NR	NR	NR	S	No		Yes	trash	
W1588	8/24	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1588	8/28	Musty (Basement)	Slightly Turbid	Clear	N	NR	NR	NR	S	No		Yes	orange floc; minimal on right bank	
W1588	9/28	Musty (Basement)	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									
W1588	10/2	N	Clear	Greyish	Sparse	S	D	NR	NR	NR		Yes	orange floc (under road, seen from iron bacteria seep); bricks, debris, some glass	
W1589	5/14	N	Clear	Reddish rusty	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1589	5/15	N	Clear	Brownish	N	N	N	N	N	No		No	a few hubcaps, some trash and debris around area	
W1589	6/18	N	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1589	6/19	N	Clear	Light Yellow/ Tan	N	N	N	N	N	No		Yes	trash; trash in and out of water	
W1589	7/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1589	7/24	N	Clear	Light Yellow/ Tan	N	D	NR	NR	NR	No		No		
W1589	8/27	N	Moderately Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									
W1589	8/28	N	Slightly Turbid	Light Yellow/ Tan	N	NR	M	NR	NR	No		Yes	trash; low amounts	
W1589	10/1	N	Clear	Blackish	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1589	10/2	N	Modera tely Turbid	NR	N	N	N	N	N	Yes	pollen/dust blankets; natural	No		nearly stagnant, was unable to collect sample without getting disturbed sediment in them
W1590	5/11	N	Modera tely Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1590	5/15	N	Clear	Clear	N	M	NR	NR	M	No		Yes	some trash on banks	
W1590	6/15	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1590	6/19	N	Clear	Clear	N	N	N	N	M	No		Yes	trash; some garbage light trash	
W1590	6/28	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1590	7/20	Musty (Basement)	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1590	7/24	N	Clear	Clear	N	NR	M	NR	NR	No		Yes	trash - light trash	
W1590	8/24	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1590	8/28	N	Clear	Clear	N	NR	NR	D	NR	No		No		

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1590	9/28	NR	NR	NR	Not Applicable - Probe Deploy Field Sheet									brook dry - probe not deployed
W1590	10/2	N	Clear	Clear	N	N	N	N	N	No		No		water level very low, not enough to sample nutrients and TSS, collected color and turbidity and bacteria with small bottles (Temperature logger out of water)
W1592	5/11	N	Clear	Reddish rusty	Not Applicable - Probe Deploy Field Sheet									
W1592	5/15	N	Clear	Brownish	N	M	NR	NR	D	No		No		
W1592	6/15	N	Clear	Light Yellow/ Tan	Not Applicable - Probe Deploy Field Sheet									

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1592	6/19	N	Clear	Brownish	N	NR	NR	NR	VD	No		Yes	trash	due to water depth and heavy moss cover, it was difficult to get a sample without disturbing sediment in the moss.
W1592	7/20	NR	NR	NR	Not Applicable - Probe Deploy Field Sheet									Probe not deployed - absolutely no water in channel. Channel substrates are moist, but there was also a good deal of rain last night - but still zero flow here.
W1592	7/24	NR	NR	NR	**Not Recorded**	NR	NR	NR	D	NR		**Not Recorded**		Dry No Sample
W1592	8/24	NR	NR	NR	Not Applicable - Probe Deploy Field Sheet									site dry, no deploy

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1592	8/28	NR	NR	NR	**Not Recorded**	NR	NR	NR	D	NR		**No t Rec orde d**		site dry, no samples
W1592	9/28	NR	NR	NR	Not Applicable - Probe Deploy Field Sheet									
W1592	10/2	NR	NR	NR	**Not Recorded**	NR	NR	NR	D	NR		Yes	trash	no water so no samples
W1711	8/9	N	Slightly Turbid	Brownish	Dense	U	U	U	U	Yes	oily sheen	Yes	trash, minor	
W1711	8/30	not accessible	Slightly Turbid	Clear	Very Dense	Onl y Box che cke d	NR	NR	NR	Yes	oily sheens, algal mat	Yes	trash	field filtered (0.45micron), talked to avid fisherman
W1711	9/6	not applicable	Slightly Turbid	Clear	Very Dense	D	M	M	NR	Yes		Yes	trash	took algae bucket sample
W1711	10/4	N	Clear	Light Yellow/ Tan	Dense	D	NR	NR	NR	Yes	algal mat	Yes	trash	

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1712	8/9	N	Slightly Turbid	Brownish	N	NR	VD	NR	NR	No		Yes	trash	
W1712	8/30	not applicable	Slightly Turbid	Clear	N	NR	M	NR	NR	No		Yes	trash	field filtered
W1712	10/4	N	Slightly Turbid	Greyish	Sparse	N	N	N	N	Yes	oily sheens	No		Bridge construction complete but 3 foot high steep banks unprotected in one spot (about 6 feet' long, right bank upstream of bridge).
W1713	8/9	Musty (Basement)	Modera tely Turbid	Brownish	Dense	NR	NR	NR	NR	Yes	oily sheens	Yes	trash; lots, but still pretty site	
W1713	8/30	not applicable	Highly Turbid	Greenish	U	U	U	U	U	No		Yes	trash	field - filtered
W1713	10/4	N	Modera tely Turbid	Greyish	U	U	U	U	U	No		Yes	trash	

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1714	8/9	N	Highly Turbid	Greenish	U	NR	NR	NR	NR	Yes	oily sheens	Yes	trash; trash and completely rip rapped in, impair for aesthetics, DD.	
W1714	8/30		Highly Turbid	Greenish	U	NR	VD	NR	NR	NR		Yes	trash	Talked with Jake Howe QC supervisor with Boston Sand and Gravel. Call before next visit.
W1714	10/4	Petroleum	Highly Turbid	Greenish	U	NR	NR	NR	NR	Yes	oily sheens	Yes	trash (Impair DD)	Met with Bob Ferguson of Boston Sand & Gravel and let him know we had notified Jake Howe that we would be on site today.
W1715	8/9	N	Slightly Turbid	Brownish	N	NR	M	D	NR	No		Yes	trash; moderate	
W1715	8/30	not applicable	Moderately Turbid	Brownish	Sparse	NR	M	NR	NR	No		Yes	trash	wind blowing upstream algae sample.
W1715	10/4	N	Slightly Turbid	NR	U	U	U	U	U	No		Yes	trash	

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1716	6/19	N	Slightly Turbid	Clear	Moderate	N	N	N	N	No		Yes	trash	

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1718	7/12	N	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									<p>DEPLOYMENT: site is greater than 4 meters deep (boat channel) however exact depth is unknown</p> <p>RETRIEVAL: heavy duck boat traffic, lots of water mixing, Secchi depth 1 meter, no view scope impossible to use, open sky but clouds obscuring sun, some barnacles and bivalves on temperature probe, minimal fouling of probe, obviously tidal</p>

Unique ID/ Station ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Flocc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments	Field Sheet Comment
W1719	7/12	N	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1720	7/12	N	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1721	7/24	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1722	7/24	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									DEPLOYMENT: have photos on phone #2. RETRIEVAL: submerged, probe itself in sediment.

Water Quality Data

All MassDEP DWM water quality data are managed and maintained in the Water Quality Data Access Database (WQD). Tables 8 – 12 below provide the 2007 Charles River Watershed water quality data. Table 8 provides water quality data and chemistry for all water quality sites. Table 9 summarizes the number and geometric mean of *E. coli* samples collected at water quality sites. Table 10 provides attended multiprobe water quality data.

Table 11 summarizes dissolved oxygen data collected using unattended multiprobes. Finally, Table 12 summarizes temperature data collected using unattended multiprobes. The procedures used to accept, accept with qualification or censor data are based on the DWM Standard Operating Procedures (SOP) for data validation and usability (MassDEP 2012a) and are in addition to separate quality assurance activities and laboratory validation steps undertaken by the WES. Definitions for the data qualifiers are provided in Appendix 1.

Table 8. 2007 MassDEP DWM Charles River Watershed water quality data.

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1582	72-0729	5/15	11:15	Total Nitrogen	0.90	mg/L	
W1582	72-0969	6/19	11:07	Total Nitrogen	1.1	mg/L	
W1582	72-1139	7/24	10:54	Total Nitrogen	0.86	mg/L	
W1582	72-1289	8/28	11:48	Total Nitrogen	0.63	mg/L	
W1582	72-1447	10/2	11:15	Total Nitrogen	0.64	mg/L	
W1582	72-0729	5/15	11:15	Total Phosphorus	0.020	mg/L	
W1582	72-0969	6/19	11:07	Total Phosphorus	0.031	mg/L	
W1582	72-1139	7/24	10:54	Total Phosphorus	0.038	mg/L	
W1582	72-1289	8/28	11:48	Total Phosphorus	0.019	mg/L	
W1582	72-1447	10/2	11:15	Total Phosphorus	0.014	mg/L	
W1582	72-0729	5/15	11:15	Nitrate/Nitrite-N	0.53	mg/L	
W1582	72-0969	6/19	11:07	Nitrate/Nitrite-N	0.63	mg/L	
W1582	72-1139	7/24	10:54	Nitrate/Nitrite-N	0.46	mg/L	
W1582	72-1289	8/28	11:48	Nitrate/Nitrite-N	0.41	mg/L	
W1582	72-1447	10/2	11:15	Nitrate/Nitrite-N	0.40	mg/L	
W1582	72-0729	5/15	11:15	Ammonia-N	0.04	mg/L	
W1582	72-0969	6/19	11:07	Ammonia-N	0.06	mg/L	
W1582	72-1139	7/24	10:54	Ammonia-N	0.04	mg/L	
W1582	72-1289	8/28	11:48	Ammonia-N	<0.02	mg/L	
W1582	72-1447	10/2	11:15	Ammonia-N	<0.02	mg/L	
W1582	72-0729	5/15	11:15	Suspended Solids	2.3	mg/L	
W1582	72-0969	6/19	11:07	Suspended Solids	1.7	mg/L	
W1582	72-1139	7/24	10:54	Suspended Solids	2.5	mg/L	
W1582	72-1289	8/28	11:48	Suspended Solids	1.1	mg/L	
W1582	72-1447	10/2	11:15	Suspended Solids	<1.0	mg/L	
W1582	72-0729	5/15	11:15	<i>E. coli</i>	180	CFU/100mL	
W1582	72-0969	6/19	11:07	<i>E. coli</i>	430	CFU/100mL	
W1582	72-1139	7/24	10:54	<i>E. coli</i>	81	CFU/100mL	
W1582	72-1289	8/28	11:48	<i>E. coli</i>	160	CFU/100mL	
W1582	72-1447	10/2	11:15	<i>E. coli</i>	33	CFU/100mL	
W1582	72-0729	5/15	11:15	Apparent Color	38	PCU	
W1582	72-0969	6/19	11:07	Apparent Color	29	PCU	
W1582	72-1139	7/24	10:54	Apparent Color	44	PCU	
W1582	72-1289	8/28	11:48	Apparent Color	18	PCU	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1582	72-1447	10/2	11:15	Apparent Color	15	PCU	
W1582	72-0729	5/15	11:15	True Color	26	PCU	
W1582	72-0969	6/19	11:07	True Color	25	PCU	
W1582	72-1139	7/24	10:54	True Color	27	PCU	
W1582	72-1289	8/28	11:48	True Color	17	PCU	
W1582	72-1447	10/2	11:15	True Color	15	PCU	
W1582	72-0729	5/15	11:15	Turbidity	2.2	NTU	b
W1582	72-0969	6/19	11:07	Turbidity	1.4	NTU	
W1582	72-1139	7/24	10:54	Turbidity	1.8	NTU	
W1582	72-1289	8/28	11:48	Turbidity	0.9	NTU	
W1582	72-1447	10/2	11:15	Turbidity	0.6	NTU	
W1583	72-0691	5/15	11:24	Total Nitrogen	0.66	mg/L	
W1583	72-0948	6/19	10:17	Total Nitrogen	0.74	mg/L	
W1583	72-1118	7/24	10:38	Total Nitrogen	0.64	mg/L	
W1583	72-1268	8/28	10:19	Total Nitrogen	0.56	mg/L	
W1583	72-1426	10/2	10:15	Total Nitrogen	0.68	mg/L	
W1583	72-0691	5/15	11:24	Total Phosphorus	0.042	mg/L	
W1583	72-0948	6/19	10:17	Total Phosphorus	0.072	mg/L	
W1583	72-1118	7/24	10:38	Total Phosphorus	0.053	mg/L	
W1583	72-1268	8/28	10:19	Total Phosphorus	0.030	mg/L	
W1583	72-1426	10/2	10:15	Total Phosphorus	0.026	mg/L	
W1583	72-0691	5/15	11:24	Nitrate/Nitrite-N	0.12	mg/L	
W1583	72-0948	6/19	10:17	Nitrate/Nitrite-N	0.19	mg/L	
W1583	72-1118	7/24	10:38	Nitrate/Nitrite-N	0.12	mg/L	
W1583	72-1268	8/28	10:19	Nitrate/Nitrite-N	0.14	mg/L	
W1583	72-1426	10/2	10:15	Nitrate/Nitrite-N	0.28	mg/L	
W1583	72-0691	5/15	11:24	Ammonia-N	0.02	mg/L	
W1583	72-0948	6/19	10:17	Ammonia-N	0.06	mg/L	
W1583	72-1118	7/24	10:38	Ammonia-N	0.03	mg/L	
W1583	72-1268	8/28	10:19	Ammonia-N	<0.02	mg/L	
W1583	72-1426	10/2	10:15	Ammonia-N	<0.02	mg/L	
W1583	72-0691	5/15	11:24	Suspended Solids	2.9	mg/L	
W1583	72-0948	6/19	10:17	Suspended Solids	##	mg/L	b
W1583	72-1118	7/24	10:38	Suspended Solids	##	mg/L	b
W1583	72-1268	8/28	10:19	Suspended Solids	31	mg/L	
W1583	72-1426	10/2	10:15	Suspended Solids	<1.0	mg/L	
W1583	72-0691	5/15	11:24	<i>E. coli</i>	33	CFU/100mL	
W1583	72-0948	6/19	10:17	<i>E. coli</i>	86	CFU/100mL	
W1583	72-1118	7/24	10:38	<i>E. coli</i>	360	CFU/100mL	
W1583	72-1268	8/28	10:19	<i>E. coli</i>	43	CFU/100mL	
W1583	72-1426	10/2	10:15	<i>E. coli</i>	300	CFU/100mL	
W1583	72-0691	5/15	11:24	Apparent Color	60	PCU	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1583	72-0948	6/19	10:17	Apparent Color	60	PCU	
W1583	72-1118	7/24	10:38	Apparent Color	60	PCU	
W1583	72-1268	8/28	10:19	Apparent Color	29	PCU	
W1583	72-1426	10/2	10:15	Apparent Color	25	PCU	
W1583	72-0691	5/15	11:24	True Color	55	PCU	
W1583	72-0948	6/19	10:17	True Color	55	PCU	
W1583	72-1118	7/24	10:38	True Color	50	PCU	
W1583	72-1268	8/28	10:19	True Color	28	PCU	
W1583	72-1426	10/2	10:15	True Color	22	PCU	
W1583	72-0691	5/15	11:24	Turbidity	2.1	NTU	b
W1583	72-0948	6/19	10:17	Turbidity	##	NTU	b
W1583	72-1118	7/24	10:38	Turbidity	1.5	NTU	
W1583	72-1268	8/28	10:19	Turbidity	0.9	NTU	b
W1583	72-1426	10/2	10:15	Turbidity	1.8	NTU	
W1584	72-0687	5/15	10:42	Total Nitrogen	0.71	mg/L	
W1584	72-0946	6/19	9:43	Total Nitrogen	0.94	mg/L	
W1584	72-1116	7/24	9:55	Total Nitrogen	1.0	mg/L	
W1584	72-1266	8/28	9:43	Total Nitrogen	0.73	mg/L	
W1584	72-1424	10/2	9:44	Total Nitrogen	0.80	mg/L	
W1584	72-0687	5/15	10:42	Total Phosphorus	0.037	mg/L	
W1584	72-0946	6/19	9:43	Total Phosphorus	0.070	mg/L	
W1584	72-1116	7/24	9:55	Total Phosphorus	0.075	mg/L	
W1584	72-1266	8/28	9:43	Total Phosphorus	0.033	mg/L	
W1584	72-1424	10/2	9:44	Total Phosphorus	0.038	mg/L	
W1584	72-0687	5/15	10:42	Nitrate/Nitrite-N	0.13	mg/L	
W1584	72-0946	6/19	9:43	Nitrate/Nitrite-N	0.26	mg/L	
W1584	72-1116	7/24	9:55	Nitrate/Nitrite-N	0.48	mg/L	
W1584	72-1266	8/28	9:43	Nitrate/Nitrite-N	0.39	mg/L	
W1584	72-1424	10/2	9:44	Nitrate/Nitrite-N	0.49	mg/L	
W1584	72-0687	5/15	10:42	Ammonia-N	0.05	mg/L	
W1584	72-0946	6/19	9:43	Ammonia-N	0.05	mg/L	
W1584	72-1116	7/24	9:55	Ammonia-N	0.03	mg/L	
W1584	72-1266	8/28	9:43	Ammonia-N	0.03	mg/L	
W1584	72-1424	10/2	9:44	Ammonia-N	<0.02	mg/L	
W1584	72-0687	5/15	10:42	Suspended Solids	3.4	mg/L	
W1584	72-0946	6/19	9:43	Suspended Solids	##	mg/L	b
W1584	72-1116	7/24	9:55	Suspended Solids	##	mg/L	b
W1584	72-1266	8/28	9:43	Suspended Solids	3.1	mg/L	
W1584	72-1424	10/2	9:44	Suspended Solids	2.1	mg/L	
W1584	72-0687	5/15	10:42	<i>E. coli</i>	86	CFU/100mL	
W1584	72-0946	6/19	9:43	<i>E. coli</i>	120	CFU/100mL	
W1584	72-1116	7/24	9:55	<i>E. coli</i>	260	CFU/100mL	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1584	72-1266	8/28	9:43	<i>E. coli</i>	730	CFU/100mL	
W1584	72-1424	10/2	9:44	<i>E. coli</i>	330	CFU/100mL	
W1584	72-0687	5/15	10:42	Apparent Color	75	PCU	
W1584	72-0946	6/19	9:43	Apparent Color	85	PCU	
W1584	72-1116	7/24	9:55	Apparent Color	140	PCU	e
W1584	72-1266	8/28	9:43	Apparent Color	45	PCU	
W1584	72-1424	10/2	9:44	Apparent Color	32	PCU	
W1584	72-0687	5/15	10:42	True Color	75	PCU	
W1584	72-0946	6/19	9:43	True Color	<75	PCU	j
W1584	72-1116	7/24	9:55	True Color	150	PCU	e
W1584	72-1266	8/28	9:43	True Color	30	PCU	
W1584	72-1424	10/2	9:44	True Color	20	PCU	
W1584	72-0687	5/15	10:42	Turbidity	2.3	NTU	b
W1584	72-0946	6/19	9:43	Turbidity	##	NTU	b
W1584	72-1116	7/24	9:55	Turbidity	3.6	NTU	
W1584	72-1266	8/28	9:43	Turbidity	2.9	NTU	b
W1584	72-1424	10/2	9:44	Turbidity	4.3	NTU	
W1585	72-0677	5/15	8:50	Total Nitrogen	1.5	mg/L	
W1585	72-0940	6/19	8:16	Total Nitrogen	1.5	mg/L	
W1585	72-1110	7/24	8:41	Total Nitrogen	1.6	mg/L	
W1585	72-1260	8/28	8:35	Total Nitrogen	1.1	mg/L	
W1585	72-1418	10/2	8:28	Total Nitrogen	1.1	mg/L	
W1585	72-0677	5/15	8:50	Total Phosphorus	0.009	mg/L	
W1585	72-0940	6/19	8:16	Total Phosphorus	0.016	mg/L	
W1585	72-1110	7/24	8:41	Total Phosphorus	0.029	mg/L	
W1585	72-1260	8/28	8:35	Total Phosphorus	0.026	mg/L	
W1585	72-1418	10/2	8:28	Total Phosphorus	0.015	mg/L	
W1585	72-0677	5/15	8:50	Nitrate/Nitrite-N	1.2	mg/L	
W1585	72-0940	6/19	8:16	Nitrate/Nitrite-N	1.2	mg/L	
W1585	72-1110	7/24	8:41	Nitrate/Nitrite-N	1.0	mg/L	
W1585	72-1260	8/28	8:35	Nitrate/Nitrite-N	0.93	mg/L	
W1585	72-1418	10/2	8:28	Nitrate/Nitrite-N	0.86	mg/L	
W1585	72-0677	5/15	8:50	Ammonia-N	0.05	mg/L	
W1585	72-0940	6/19	8:16	Ammonia-N	0.13	mg/L	
W1585	72-1110	7/24	8:41	Ammonia-N	0.09	mg/L	
W1585	72-1260	8/28	8:35	Ammonia-N	0.04	mg/L	
W1585	72-1418	10/2	8:28	Ammonia-N	<0.02	mg/L	
W1585	72-0677	5/15	8:50	Suspended Solids	1.4	mg/L	
W1585	72-0940	6/19	8:16	Suspended Solids	##	mg/L	b
W1585	72-1110	7/24	8:41	Suspended Solids	##	mg/L	b
W1585	72-1260	8/28	8:35	Suspended Solids	4.7	mg/L	
W1585	72-1418	10/2	8:28	Suspended Solids	1.6	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1585	72-0677	5/15	8:50	<i>E. coli</i>	240	CFU/100mL	
W1585	72-0940	6/19	8:16	<i>E. coli</i>	800	CFU/100mL	
W1585	72-1110	7/24	8:41	<i>E. coli</i>	870	CFU/100mL	
W1585	72-1260	8/28	8:35	<i>E. coli</i>	1400	CFU/100mL	
W1585	72-1418	10/2	8:28	<i>E. coli</i>	120	CFU/100mL	
W1585	72-0677	5/15	8:50	Apparent Color	17	PCU	
W1585	72-0940	6/19	8:16	Apparent Color	<15	PCU	
W1585	72-1110	7/24	8:41	Apparent Color	28	PCU	
W1585	72-1260	8/28	8:35	Apparent Color	24	PCU	
W1585	72-1418	10/2	8:28	Apparent Color	17	PCU	
W1585	72-0677	5/15	8:50	True Color	<15	PCU	
W1585	72-0940	6/19	8:16	True Color	<15	PCU	
W1585	72-1110	7/24	8:41	True Color	23	PCU	
W1585	72-1260	8/28	8:35	True Color	<15	PCU	
W1585	72-1418	10/2	8:28	True Color	15	PCU	
W1585	72-0677	5/15	8:50	Turbidity	0.7	NTU	b
W1585	72-0940	6/19	8:16	Turbidity	##	NTU	b
W1585	72-1110	7/24	8:41	Turbidity	2.0	NTU	
W1585	72-1260	8/28	8:35	Turbidity	3.9	NTU	b
W1585	72-1418	10/2	8:28	Turbidity	1.7	NTU	
W1586	72-0701	5/15	9:30	Total Nitrogen	0.86	mg/L	
W1586	72-0953	6/19	7:55	Total Nitrogen	1.1	mg/L	
W1586	72-1123	7/24	9:27	Total Nitrogen	1.5	mg/L	
W1586	72-1273	8/28	9:55	Total Nitrogen	1.9	mg/L	
W1586	72-1431	10/2	9:49	Total Nitrogen	1.9	mg/L	r
W1586	72-0701	5/15	9:30	Total Phosphorus	0.029	mg/L	
W1586	72-0953	6/19	7:55	Total Phosphorus	0.045	mg/L	
W1586	72-1123	7/24	9:27	Total Phosphorus	0.035	mg/L	
W1586	72-1273	8/28	9:55	Total Phosphorus	0.022	mg/L	
W1586	72-1431	10/2	9:49	Total Phosphorus	0.038	mg/L	r
W1586	72-0701	5/15	9:30	Nitrate/Nitrite-N	0.53	mg/L	
W1586	72-0953	6/19	7:55	Nitrate/Nitrite-N	0.69	mg/L	
W1586	72-1123	7/24	9:27	Nitrate/Nitrite-N	1.2	mg/L	
W1586	72-1273	8/28	9:55	Nitrate/Nitrite-N	1.7	mg/L	
W1586	72-1431	10/2	9:49	Nitrate/Nitrite-N	1.4	mg/L	r
W1586	72-0701	5/15	9:30	Ammonia-N	0.04	mg/L	
W1586	72-0953	6/19	7:55	Ammonia-N	0.09	mg/L	
W1586	72-1123	7/24	9:27	Ammonia-N	0.04	mg/L	
W1586	72-1273	8/28	9:55	Ammonia-N	0.07	mg/L	
W1586	72-1431	10/2	9:49	Ammonia-N	<0.02	mg/L	r
W1586	72-0701	5/15	9:30	Suspended Solids	3.2	mg/L	
W1586	72-0953	6/19	7:55	Suspended Solids	3.5	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1586	72-1123	7/24	9:27	Suspended Solids	2.4	mg/L	d
W1586	72-1273	8/28	9:55	Suspended Solids	1.9	mg/L	d
W1586	72-1431	10/2	9:49	Suspended Solids	3.9	mg/L	r
W1586	72-0701	5/15	9:30	<i>E. coli</i>	67	CFU/100mL	
W1586	72-0953	6/19	7:55	<i>E. coli</i>	560	CFU/100mL	
W1586	72-1123	7/24	9:27	<i>E. coli</i>	76	CFU/100mL	
W1586	72-1273	8/28	9:55	<i>E. coli</i>	33	CFU/100mL	
W1586	72-1431	10/2	9:49	<i>E. coli</i>	38	CFU/100mL	r
W1586	72-0701	5/15	9:30	Apparent Color	46	PCU	
W1586	72-0953	6/19	7:55	Apparent Color	44	PCU	d
W1586	72-1123	7/24	9:27	Apparent Color	70	PCU	
W1586	72-1273	8/28	9:55	Apparent Color	25	PCU	
W1586	72-1431	10/2	9:49	Apparent Color	30	PCU	r
W1586	72-0701	5/15	9:30	True Color	35	PCU	
W1586	72-0953	6/19	7:55	True Color	30	PCU	d
W1586	72-1123	7/24	9:27	True Color	34	PCU	
W1586	72-1273	8/28	9:55	True Color	18	PCU	
W1586	72-1431	10/2	9:49	True Color	<15	PCU	r
W1586	72-0701	5/15	9:30	Turbidity	2.7	NTU	d
W1586	72-0953	6/19	7:55	Turbidity	4.5	NTU	
W1586	72-1123	7/24	9:27	Turbidity	9.0	NTU	
W1586	72-1273	8/28	9:55	Turbidity	6.5	NTU	
W1586	72-1431	10/2	9:49	Turbidity	9.1	NTU	r
W1587	72-0725	5/15	10:30	Total Nitrogen	0.58	mg/L	
W1587	72-0967	6/19	10:28	Total Nitrogen	0.60	mg/L	
W1587	72-1137	7/24	10:10	Total Nitrogen	1.0	mg/L	
W1587	72-1287	8/28	10:48	Total Nitrogen	0.86	mg/L	
W1587	72-1445	10/2	10:13	Total Nitrogen	0.83	mg/L	
W1587	72-0725	5/15	10:30	Total Phosphorus	0.044	mg/L	
W1587	72-0967	6/19	10:28	Total Phosphorus	0.045	mg/L	
W1587	72-1137	7/24	10:10	Total Phosphorus	0.066	mg/L	
W1587	72-1287	8/28	10:48	Total Phosphorus	0.060	mg/L	
W1587	72-1445	10/2	10:13	Total Phosphorus	0.035	mg/L	
W1587	72-0725	5/15	10:30	Nitrate/Nitrite-N	0.04	mg/L	
W1587	72-0967	6/19	10:28	Nitrate/Nitrite-N	0.05	mg/L	
W1587	72-1137	7/24	10:10	Nitrate/Nitrite-N	0.55	mg/L	
W1587	72-1287	8/28	10:48	Nitrate/Nitrite-N	0.52	mg/L	
W1587	72-1445	10/2	10:13	Nitrate/Nitrite-N	0.49	mg/L	
W1587	72-0725	5/15	10:30	Ammonia-N	<0.02	mg/L	
W1587	72-0967	6/19	10:28	Ammonia-N	0.02	mg/L	
W1587	72-1137	7/24	10:10	Ammonia-N	0.04	mg/L	
W1587	72-1287	8/28	10:48	Ammonia-N	0.08	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1587	72-1445	10/2	10:13	Ammonia-N	0.06	mg/L	
W1587	72-0725	5/15	10:30	Suspended Solids	2.0	mg/L	
W1587	72-0967	6/19	10:28	Suspended Solids	1.7	mg/L	
W1587	72-1137	7/24	10:10	Suspended Solids	25	mg/L	
W1587	72-1287	8/28	10:48	Suspended Solids	7.9	mg/L	
W1587	72-1445	10/2	10:13	Suspended Solids	<1.0	mg/L	
W1587	72-0725	5/15	10:30	<i>E. coli</i>	38	CFU/100mL	
W1587	72-0967	6/19	10:28	<i>E. coli</i>	150	CFU/100mL	
W1587	72-1137	7/24	10:10	<i>E. coli</i>	19	CFU/100mL	
W1587	72-1287	8/28	10:48	<i>E. coli</i>	43	CFU/100mL	
W1587	72-1445	10/2	10:13	<i>E. coli</i>	5	CFU/100mL	
W1587	72-0725	5/15	10:30	Apparent Color	70	PCU	
W1587	72-0967	6/19	10:28	Apparent Color	60	PCU	
W1587	72-1137	7/24	10:10	Apparent Color	130	PCU	
W1587	72-1287	8/28	10:48	Apparent Color	70	PCU	
W1587	72-1445	10/2	10:13	Apparent Color	42	PCU	
W1587	72-0725	5/15	10:30	True Color	65	PCU	
W1587	72-0967	6/19	10:28	True Color	48	PCU	
W1587	72-1137	7/24	10:10	True Color	41	PCU	
W1587	72-1287	8/28	10:48	True Color	40	PCU	
W1587	72-1445	10/2	10:13	True Color	30	PCU	
W1587	72-0725	5/15	10:30	Turbidity	3.1	NTU	b
W1587	72-0967	6/19	10:28	Turbidity	2.5	NTU	
W1587	72-1137	7/24	10:10	Turbidity	6.7	NTU	
W1587	72-1287	8/28	10:48	Turbidity	7.1	NTU	
W1587	72-1445	10/2	10:13	Turbidity	2.2	NTU	
W1588	72-0681	5/15	10:03	Total Nitrogen	0.71	mg/L	
W1588	72-0942	6/19	9:04	Total Nitrogen	0.74	mg/L	
W1588	72-1112	7/24	9:17	Total Nitrogen	0.63	mg/L	
W1588	72-1262	8/28	9:08	Total Nitrogen	0.38	mg/L	
W1588	72-1420	10/2	9:07	Total Nitrogen	0.50	mg/L	
W1588	72-0681	5/15	10:03	Total Phosphorus	0.018	mg/L	
W1588	72-0942	6/19	9:04	Total Phosphorus	0.030	mg/L	
W1588	72-1112	7/24	9:17	Total Phosphorus	0.020	mg/L	
W1588	72-1262	8/28	9:08	Total Phosphorus	0.009	mg/L	
W1588	72-1420	10/2	9:07	Total Phosphorus	0.013	mg/L	
W1588	72-0681	5/15	10:03	Nitrate/Nitrite-N	0.36	mg/L	
W1588	72-0942	6/19	9:04	Nitrate/Nitrite-N	0.35	mg/L	
W1588	72-1112	7/24	9:17	Nitrate/Nitrite-N	0.28	mg/L	
W1588	72-1262	8/28	9:08	Nitrate/Nitrite-N	0.17	mg/L	
W1588	72-1420	10/2	9:07	Nitrate/Nitrite-N	0.17	mg/L	
W1588	72-0681	5/15	10:03	Ammonia-N	0.02	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1588	72-0942	6/19	9:04	Ammonia-N	0.06	mg/L	
W1588	72-1112	7/24	9:17	Ammonia-N	0.04	mg/L	
W1588	72-1262	8/28	9:08	Ammonia-N	<0.02	mg/L	
W1588	72-1420	10/2	9:07	Ammonia-N	0.04	mg/L	
W1588	72-0681	5/15	10:03	Suspended Solids	3.6	mg/L	
W1588	72-0942	6/19	9:04	Suspended Solids	##	mg/L	b
W1588	72-1112	7/24	9:17	Suspended Solids	##	mg/L	b
W1588	72-1262	8/28	9:08	Suspended Solids	<1.0	mg/L	
W1588	72-1420	10/2	9:07	Suspended Solids	<1.0	mg/L	
W1588	72-0681	5/15	10:03	<i>E. coli</i>	57	CFU/100mL	
W1588	72-0942	6/19	9:04	<i>E. coli</i>	190	CFU/100mL	
W1588	72-1112	7/24	9:17	<i>E. coli</i>	43	CFU/100mL	
W1588	72-1262	8/28	9:08	<i>E. coli</i>	33	CFU/100mL	
W1588	72-1420	10/2	9:07	<i>E. coli</i>	52	CFU/100mL	
W1588	72-0681	5/15	10:03	Apparent Color	38	PCU	
W1588	72-0942	6/19	9:04	Apparent Color	60	PCU	
W1588	72-1112	7/24	9:17	Apparent Color	95	PCU	
W1588	72-1262	8/28	9:08	Apparent Color	30	PCU	
W1588	72-1420	10/2	9:07	Apparent Color	40	PCU	
W1588	72-0681	5/15	10:03	True Color	35	PCU	
W1588	72-0942	6/19	9:04	True Color	55	PCU	
W1588	72-1112	7/24	9:17	True Color	95	PCU	
W1588	72-1262	8/28	9:08	True Color	25	PCU	
W1588	72-1420	10/2	9:07	True Color	20	PCU	
W1588	72-0681	5/15	10:03	Turbidity	2.8	NTU	b
W1588	72-0942	6/19	9:04	Turbidity	##	NTU	b
W1588	72-1112	7/24	9:17	Turbidity	4.8	NTU	
W1588	72-1262	8/28	9:08	Turbidity	2.3	NTU	b
W1588	72-1420	10/2	9:07	Turbidity	4.1	NTU	
W1589	72-0711	5/15	10:35	Total Nitrogen	0.72	mg/L	
W1589	72-0959	6/19	8:55	Total Nitrogen	0.96	mg/L	
W1589	72-1129	7/24	10:30	Total Nitrogen	1.2	mg/L	
W1589	72-1279	8/28	11:15	Total Nitrogen	1.1	mg/L	
W1589	72-1437	10/2	11:20	Total Nitrogen	##	mg/L	r
W1589	72-0711	5/15	10:35	Total Phosphorus	0.053	mg/L	
W1589	72-0959	6/19	8:55	Total Phosphorus	0.099	mg/L	
W1589	72-1129	7/24	10:30	Total Phosphorus	0.17	mg/L	
W1589	72-1279	8/28	11:15	Total Phosphorus	0.31	mg/L	
W1589	72-1437	10/2	11:20	Total Phosphorus	##	mg/L	r
W1589	72-0711	5/15	10:35	Nitrate/Nitrite-N	0.12	mg/L	
W1589	72-0959	6/19	8:55	Nitrate/Nitrite-N	0.28	mg/L	
W1589	72-1129	7/24	10:30	Nitrate/Nitrite-N	0.56	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1589	72-1279	8/28	11:15	Nitrate/Nitrite-N	0.88	mg/L	
W1589	72-1437	10/2	11:20	Nitrate/Nitrite-N	##	mg/L	r
W1589	72-0711	5/15	10:35	Ammonia-N	0.08	mg/L	
W1589	72-0959	6/19	8:55	Ammonia-N	0.18	mg/L	
W1589	72-1129	7/24	10:30	Ammonia-N	0.20	mg/L	
W1589	72-1279	8/28	11:15	Ammonia-N	0.04	mg/L	
W1589	72-1437	10/2	11:20	Ammonia-N	##	mg/L	r
W1589	72-0711	5/15	10:35	Suspended Solids	4.3	mg/L	
W1589	72-0959	6/19	8:55	Suspended Solids	5.8	mg/L	
W1589	72-1129	7/24	10:30	Suspended Solids	2.0	mg/L	d
W1589	72-1279	8/28	11:15	Suspended Solids	1.4	mg/L	d
W1589	72-1437	10/2	11:20	Suspended Solids	##	mg/L	r
W1589	72-0711	5/15	10:35	<i>E. coli</i>	5	CFU/100mL	
W1589	72-0959	6/19	8:55	<i>E. coli</i>	14	CFU/100mL	
W1589	72-1129	7/24	10:30	<i>E. coli</i>	57	CFU/100mL	
W1589	72-1279	8/28	11:15	<i>E. coli</i>	220	CFU/100mL	
W1589	72-1437	10/2	11:20	<i>E. coli</i>	##	CFU/100mL	r
W1589	72-0711	5/15	10:35	Apparent Color	100	PCU	
W1589	72-0959	6/19	8:55	Apparent Color	85	PCU	d
W1589	72-1129	7/24	10:30	Apparent Color	150	PCU	
W1589	72-1279	8/28	11:15	Apparent Color	90	PCU	
W1589	72-1437	10/2	11:20	Apparent Color	##	PCU	r
W1589	72-0711	5/15	10:35	True Color	90	PCU	
W1589	72-0959	6/19	8:55	True Color	<75	PCU	d, j
W1589	72-1129	7/24	10:30	True Color	140	PCU	
W1589	72-1279	8/28	11:15	True Color	80	PCU	
W1589	72-1437	10/2	11:20	True Color	##	PCU	r
W1589	72-0711	5/15	10:35	Turbidity	3.6	NTU	d
W1589	72-0959	6/19	8:55	Turbidity	9.8	NTU	
W1589	72-1129	7/24	10:30	Turbidity	6.4	NTU	
W1589	72-1279	8/28	11:15	Turbidity	12.5	NTU	
W1589	72-1437	10/2	11:20	Turbidity	##	NTU	r
W1590	72-0745	5/15	10:44	Total Nitrogen	1.5	mg/L	
W1590	72-0979	6/19	8:54	Total Nitrogen	1.5	mg/L	
W1590	72-1148	7/24	10:52	Total Nitrogen	3.6	mg/L	
W1590	72-1298	8/28	11:22	Total Nitrogen	2.4	mg/L	
W1590	72-0745	5/15	10:44	Total Phosphorus	0.007	mg/L	
W1590	72-0979	6/19	8:54	Total Phosphorus	0.012	mg/L	
W1590	72-1148	7/24	10:52	Total Phosphorus	0.036	mg/L	d
W1590	72-1298	8/28	11:22	Total Phosphorus	0.010	mg/L	
W1590	72-0745	5/15	10:44	Nitrate/Nitrite-N	1.3	mg/L	
W1590	72-0979	6/19	8:54	Nitrate/Nitrite-N	1.3	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1590	72-1148	7/24	10:52	Nitrate/Nitrite-N	2.8	mg/L	
W1590	72-1298	8/28	11:22	Nitrate/Nitrite-N	2.2	mg/L	
W1590	72-0745	5/15	10:44	Ammonia-N	0.02	mg/L	
W1590	72-0979	6/19	8:54	Ammonia-N	<0.02	mg/L	
W1590	72-1148	7/24	10:52	Ammonia-N	<0.02	mg/L	
W1590	72-1298	8/28	11:22	Ammonia-N	<0.02	mg/L	
W1590	72-0745	5/15	10:44	Suspended Solids	<1.0	mg/L	
W1590	72-0979	6/19	8:54	Suspended Solids	<1.0	mg/L	
W1590	72-1148	7/24	10:52	Suspended Solids	17	mg/L	
W1590	72-1298	8/28	11:22	Suspended Solids	1.3	mg/L	
W1590	72-0745	5/15	10:44	<i>E. coli</i>	57	CFU/100mL	
W1590	72-0979	6/19	8:54	<i>E. coli</i>	52	CFU/100mL	
W1590	72-1148	7/24	10:52	<i>E. coli</i>	270	CFU/100mL	
W1590	72-1298	8/28	11:22	<i>E. coli</i>	230	CFU/100mL	
W1590	72-1456	10/2	11:37	<i>E. coli</i>	9500	CFU/100mL	
W1590	72-0745	5/15	10:44	Apparent Color	<15	PCU	
W1590	72-0979	6/19	8:54	Apparent Color	17	PCU	
W1590	72-1148	7/24	10:52	Apparent Color	<15	PCU	
W1590	72-1298	8/28	11:22	Apparent Color	17	PCU	
W1590	72-1456	10/2	11:37	Apparent Color	22	PCU	
W1590	72-0745	5/15	10:44	True Color	<15	PCU	
W1590	72-0979	6/19	8:54	True Color	<15	PCU	
W1590	72-1148	7/24	10:52	True Color	<15	PCU	
W1590	72-1298	8/28	11:22	True Color	<15	PCU	
W1590	72-1456	10/2	11:37	True Color	20	PCU	
W1590	72-0745	5/15	10:44	Turbidity	1.4	NTU	
W1590	72-0979	6/19	8:54	Turbidity	0.6	NTU	d
W1590	72-1148	7/24	10:52	Turbidity	<0.5	NTU	b
W1590	72-1298	8/28	11:22	Turbidity	2.3	NTU	
W1590	72-1456	10/2	11:37	Turbidity	1.4	NTU	
W1592	72-0675	5/15	8:30	Total Nitrogen	0.73	mg/L	
W1592	72-0939	6/19	7:57	Total Nitrogen	1.7	mg/L	r
W1592	72-0675	5/15	8:30	Total Phosphorus	0.019	mg/L	
W1592	72-0939	6/19	7:57	Total Phosphorus	0.14	mg/L	r
W1592	72-0675	5/15	8:30	Nitrate/Nitrite-N	0.14	mg/L	
W1592	72-0939	6/19	7:57	Nitrate/Nitrite-N	0.20	mg/L	r
W1592	72-0675	5/15	8:30	Ammonia-N	0.08	mg/L	
W1592	72-0939	6/19	7:57	Ammonia-N	0.17	mg/L	r
W1592	72-0675	5/15	8:30	Suspended Solids	7.2	mg/L	
W1592	72-0939	6/19	7:57	Suspended Solids	##	mg/L	b, r
W1592	72-0675	5/15	8:30	<i>E. coli</i>	5	CFU/100mL	
W1592	72-0939	6/19	7:57	<i>E. coli</i>	180	CFU/100mL	r

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W1592	72-0675	5/15	8:30	Apparent Color	130	PCU	
W1592	72-0939	6/19	7:57	Apparent Color	190	PCU	r
W1592	72-0675	5/15	8:30	True Color	120	PCU	
W1592	72-0939	6/19	7:57	True Color	190	PCU	r
W1592	72-0675	5/15	8:30	Turbidity	1.2	NTU	b
W1592	72-0939	6/19	7:57	Turbidity	##	NTU	b, r
W1592	72-0939	6/19	7:57	Hardness	<20	mg/L	r
W1711	72-1149	8/9	9:55	Hardness	44	mg/L as CaCO3	
W1711	72-1299	8/30	8:25	Hardness	**	mg/L as CaCO3	
W1711	72-1313	9/6	8:25	Hardness	45	mg/L as CaCO3	
W1711	72-1457	10/4	6:52	Hardness	42	mg/L as CaCO3	
W1711	72-1149	8/9	9:55	Antimony - Dissolved	##	µg/L	b, d
W1711	72-1299	8/30	8:25	Antimony - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Antimony - Dissolved	##	µg/L	b, d
W1711	72-1457	10/4	6:52	Antimony - Dissolved	##	µg/L	b
W1711	72-1149	8/9	9:55	Aluminum - Dissolved	<40	µg/L	
W1711	72-1299	8/30	8:25	Aluminum - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Aluminum - Dissolved	<40	µg/L	
W1711	72-1457	10/4	6:52	Aluminum - Dissolved	<40	µg/L	
W1711	72-1149	8/9	9:55	Arsenic - Dissolved	<0.51	µg/L	
W1711	72-1299	8/30	8:25	Arsenic - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Arsenic - Dissolved	<0.51	µg/L	
W1711	72-1457	10/4	6:52	Arsenic - Dissolved	0.56	µg/L	
W1711	72-1149	8/9	9:55	Barium - Dissolved	81	µg/L	
W1711	72-1299	8/30	8:25	Barium - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Barium - Dissolved	65	µg/L	
W1711	72-1457	10/4	6:52	Barium - Dissolved	73	µg/L	
W1711	72-1149	8/9	9:55	Beryllium - Dissolved	1.6	µg/L	b, d, j
W1711	72-1299	8/30	8:25	Beryllium - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Beryllium - Dissolved	<0.20	µg/L	
W1711	72-1457	10/4	6:52	Beryllium - Dissolved	<0.20	µg/L	
W1711	72-1149	8/9	9:55	Cadmium - Dissolved	<0.13	µg/L	
W1711	72-1299	8/30	8:25	Cadmium - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Cadmium - Dissolved	<0.13	µg/L	
W1711	72-1457	10/4	6:52	Cadmium - Dissolved	<0.13	µg/L	
W1711	72-1149	8/9	9:55	Calcium - Dissolved	13	mg/L	
W1711	72-1299	8/30	8:25	Calcium - Dissolved	**	mg/L	
W1711	72-1313	9/6	8:25	Calcium - Dissolved	13	mg/L	
W1711	72-1457	10/4	6:52	Calcium - Dissolved	12	mg/L	b
W1711	72-1149	8/9	9:55	Chromium - Dissolved	1.5	µg/L	b
W1711	72-1299	8/30	8:25	Chromium - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Chromium - Dissolved	1.0	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1711	72-1457	10/4	6:52	Chromium - Dissolved	0.31	µg/L	
W1711	72-1149	8/9	9:55	Cobalt - Dissolved	0.27	µg/L	
W1711	72-1299	8/30	8:25	Cobalt - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Cobalt - Dissolved	0.24	µg/L	
W1711	72-1457	10/4	6:52	Cobalt - Dissolved	<0.17	µg/L	
W1711	72-1149	8/9	9:55	Copper - Dissolved	##	µg/L	b, j
W1711	72-1299	8/30	8:25	Copper - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Copper - Dissolved	1.2	µg/L	d
W1711	72-1457	10/4	6:52	Copper - Dissolved	2.3	µg/L	b
W1711	72-1149	8/9	9:55	Iron - Dissolved	67	µg/L	d
W1711	72-1299	8/30	8:25	Iron - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Iron - Dissolved	460	µg/L	
W1711	72-1457	10/4	6:52	Iron - Dissolved	80	µg/L	
W1711	72-1149	8/9	9:55	Lead - Dissolved	0.42	µg/L	
W1711	72-1299	8/30	8:25	Lead - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Lead - Dissolved	0.60	µg/L	
W1711	72-1457	10/4	6:52	Lead - Dissolved	0.23	µg/L	
W1711	72-1149	8/9	9:55	Magnesium - Dissolved	2.8	mg/L	
W1711	72-1299	8/30	8:25	Magnesium - Dissolved	**	mg/L	
W1711	72-1313	9/6	8:25	Magnesium - Dissolved	3.0	mg/L	
W1711	72-1457	10/4	6:52	Magnesium - Dissolved	2.9	mg/L	
W1711	72-1149	8/9	9:55	Manganese - Dissolved	140	µg/L	b
W1711	72-1299	8/30	8:25	Manganese - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Manganese - Dissolved	82	µg/L	b
W1711	72-1457	10/4	6:52	Manganese - Dissolved	84	µg/L	b
W1711	72-1149	8/9	9:55	Molybdenum - Dissolved	<0.16	µg/L	
W1711	72-1299	8/30	8:25	Molybdenum - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Molybdenum - Dissolved	<0.16	µg/L	
W1711	72-1457	10/4	6:52	Molybdenum - Dissolved	<0.16	µg/L	
W1711	72-1149	8/9	9:55	Nickel - Dissolved	0.86	µg/L	
W1711	72-1299	8/30	8:25	Nickel - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Nickel - Dissolved	0.86	µg/L	
W1711	72-1457	10/4	6:52	Nickel - Dissolved	0.89	µg/L	
W1711	72-1149	8/9	9:55	Selenium - Dissolved	<2.6	µg/L	
W1711	72-1299	8/30	8:25	Selenium - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Selenium - Dissolved	<2.6	µg/L	
W1711	72-1457	10/4	6:52	Selenium - Dissolved	<2.6	µg/L	
W1711	72-1149	8/9	9:55	Silver - Dissolved	0.15	µg/L	
W1711	72-1299	8/30	8:25	Silver - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Silver - Dissolved	<0.13	µg/L	
W1711	72-1457	10/4	6:52	Silver - Dissolved	<0.13	µg/L	
W1711	72-1149	8/9	9:55	Thallium - Dissolved	<0.16	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1711	72-1299	8/30	8:25	Thallium - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Thallium - Dissolved	<0.16	µg/L	
W1711	72-1457	10/4	6:52	Thallium - Dissolved	<0.16	µg/L	
W1711	72-1149	8/9	9:55	Vanadium - Dissolved	0.43	µg/L	
W1711	72-1299	8/30	8:25	Vanadium - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Vanadium - Dissolved	0.44	µg/L	
W1711	72-1457	10/4	6:52	Vanadium - Dissolved	0.15	µg/L	
W1711	72-1149	8/9	9:55	Zinc - Dissolved	2.9	µg/L	b
W1711	72-1299	8/30	8:25	Zinc - Dissolved	**	µg/L	
W1711	72-1313	9/6	8:25	Zinc - Dissolved	3.5	µg/L	
W1711	72-1457	10/4	6:52	Zinc - Dissolved	4.8	µg/L	b
W1712	72-1150	8/9	10:30	Hardness	75	mg/L as CaCO3	
W1712	72-1300	8/30	8:50	Hardness	74	mg/L as CaCO3	
W1712	72-1458	10/4	7:22	Hardness	61	mg/L as CaCO3	
W1712	72-1150	8/9	10:30	Antimony - Dissolved	##	µg/L	b, d
W1712	72-1300	8/30	8:50	Antimony - Dissolved	0.20	µg/L	
W1712	72-1458	10/4	7:22	Antimony - Dissolved	##	µg/L	b
W1712	72-1150	8/9	10:30	Aluminum - Dissolved	<40	µg/L	
W1712	72-1300	8/30	8:50	Aluminum - Dissolved	<40	µg/L	
W1712	72-1458	10/4	7:22	Aluminum - Dissolved	<40	µg/L	
W1712	72-1150	8/9	10:30	Arsenic - Dissolved	<0.51	µg/L	
W1712	72-1300	8/30	8:50	Arsenic - Dissolved	<0.51	µg/L	
W1712	72-1458	10/4	7:22	Arsenic - Dissolved	0.76	µg/L	
W1712	72-1150	8/9	10:30	Barium - Dissolved	79	µg/L	
W1712	72-1300	8/30	8:50	Barium - Dissolved	79	µg/L	
W1712	72-1458	10/4	7:22	Barium - Dissolved	85	µg/L	
W1712	72-1150	8/9	10:30	Beryllium - Dissolved	0.41	µg/L	b, d, j
W1712	72-1300	8/30	8:50	Beryllium - Dissolved	<0.20	µg/L	
W1712	72-1458	10/4	7:22	Beryllium - Dissolved	<0.20	µg/L	
W1712	72-1150	8/9	10:30	Cadmium - Dissolved	<0.13	µg/L	
W1712	72-1300	8/30	8:50	Cadmium - Dissolved	<0.13	µg/L	
W1712	72-1458	10/4	7:22	Cadmium - Dissolved	<0.13	µg/L	
W1712	72-1150	8/9	10:30	Calcium - Dissolved	23	mg/L	
W1712	72-1300	8/30	8:50	Calcium - Dissolved	22	mg/L	
W1712	72-1458	10/4	7:22	Calcium - Dissolved	19	mg/L	b
W1712	72-1150	8/9	10:30	Chromium - Dissolved	1.5	µg/L	b
W1712	72-1300	8/30	8:50	Chromium - Dissolved	2.1	µg/L	
W1712	72-1458	10/4	7:22	Chromium - Dissolved	0.83	µg/L	
W1712	72-1150	8/9	10:30	Cobalt - Dissolved	0.31	µg/L	
W1712	72-1300	8/30	8:50	Cobalt - Dissolved	0.33	µg/L	
W1712	72-1458	10/4	7:22	Cobalt - Dissolved	0.30	µg/L	
W1712	72-1150	8/9	10:30	Copper - Dissolved	##	µg/L	b, j

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W1712	72-1300	8/30	8:50	Copper - Dissolved	4.5	µg/L	
W1712	72-1458	10/4	7:22	Copper - Dissolved	7.0	µg/L	b
W1712	72-1150	8/9	10:30	Iron - Dissolved	45	µg/L	d
W1712	72-1300	8/30	8:50	Iron - Dissolved	37	µg/L	
W1712	72-1458	10/4	7:22	Iron - Dissolved	190	µg/L	
W1712	72-1150	8/9	10:30	Lead - Dissolved	0.54	µg/L	
W1712	72-1300	8/30	8:50	Lead - Dissolved	<0.14	µg/L	
W1712	72-1458	10/4	7:22	Lead - Dissolved	0.73	µg/L	
W1712	72-1150	8/9	10:30	Magnesium - Dissolved	4.3	mg/L	
W1712	72-1300	8/30	8:50	Magnesium - Dissolved	4.5	mg/L	
W1712	72-1458	10/4	7:22	Magnesium - Dissolved	3.4	mg/L	
W1712	72-1150	8/9	10:30	Manganese - Dissolved	120	µg/L	b
W1712	72-1300	8/30	8:50	Manganese - Dissolved	190	µg/L	
W1712	72-1458	10/4	7:22	Manganese - Dissolved	59	µg/L	b
W1712	72-1150	8/9	10:30	Molybdenum - Dissolved	2.0	µg/L	
W1712	72-1300	8/30	8:50	Molybdenum - Dissolved	2.4	µg/L	
W1712	72-1458	10/4	7:22	Molybdenum - Dissolved	3.0	µg/L	
W1712	72-1150	8/9	10:30	Nickel - Dissolved	1.1	µg/L	
W1712	72-1300	8/30	8:50	Nickel - Dissolved	1.1	µg/L	
W1712	72-1458	10/4	7:22	Nickel - Dissolved	1.5	µg/L	
W1712	72-1150	8/9	10:30	Selenium - Dissolved	<2.6	µg/L	
W1712	72-1300	8/30	8:50	Selenium - Dissolved	<2.6	µg/L	
W1712	72-1458	10/4	7:22	Selenium - Dissolved	<2.6	µg/L	
W1712	72-1150	8/9	10:30	Silver - Dissolved	<0.13	µg/L	
W1712	72-1300	8/30	8:50	Silver - Dissolved	0.13	µg/L	
W1712	72-1458	10/4	7:22	Silver - Dissolved	0.28	µg/L	
W1712	72-1150	8/9	10:30	Thallium - Dissolved	<0.16	µg/L	
W1712	72-1300	8/30	8:50	Thallium - Dissolved	<0.16	µg/L	
W1712	72-1458	10/4	7:22	Thallium - Dissolved	<0.16	µg/L	
W1712	72-1150	8/9	10:30	Vanadium - Dissolved	0.82	µg/L	
W1712	72-1300	8/30	8:50	Vanadium - Dissolved	0.80	µg/L	
W1712	72-1458	10/4	7:22	Vanadium - Dissolved	0.93	µg/L	
W1712	72-1150	8/9	10:30	Zinc - Dissolved	14	µg/L	b
W1712	72-1300	8/30	8:50	Zinc - Dissolved	9.6	µg/L	
W1712	72-1458	10/4	7:22	Zinc - Dissolved	71	µg/L	b
W1713	72-1161	8/9	16:10	Hardness	110	mg/L as CaCO3	
W1713	72-1311	8/30	14:50	Hardness	150	mg/L as CaCO3	
W1713	72-1469	10/4	11:50	Hardness	130	mg/L as CaCO3	
W1713	72-1161	8/9	16:10	Antimony - Dissolved	##	µg/L	b, d
W1713	72-1311	8/30	14:50	Antimony - Dissolved	0.85	µg/L	
W1713	72-1469	10/4	11:50	Antimony - Dissolved	##	µg/L	b
W1713	72-1161	8/9	16:10	Aluminum - Dissolved	<40	µg/L	

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W1713	72-1311	8/30	14:50	Aluminum - Dissolved	<40	µg/L	
W1713	72-1469	10/4	11:50	Aluminum - Dissolved	<40	µg/L	
W1713	72-1161	8/9	16:10	Arsenic - Dissolved	1.2	µg/L	
W1713	72-1311	8/30	14:50	Arsenic - Dissolved	1.1	µg/L	
W1713	72-1469	10/4	11:50	Arsenic - Dissolved	0.95	µg/L	
W1713	72-1161	8/9	16:10	Barium - Dissolved	38	µg/L	
W1713	72-1311	8/30	14:50	Barium - Dissolved	46	µg/L	
W1713	72-1469	10/4	11:50	Barium - Dissolved	29	µg/L	
W1713	72-1161	8/9	16:10	Beryllium - Dissolved	0.71	µg/L	b, d, j
W1713	72-1311	8/30	14:50	Beryllium - Dissolved	<0.20	µg/L	
W1713	72-1469	10/4	11:50	Beryllium - Dissolved	<0.20	µg/L	
W1713	72-1161	8/9	16:10	Cadmium - Dissolved	<0.13	µg/L	
W1713	72-1311	8/30	14:50	Cadmium - Dissolved	<0.13	µg/L	
W1713	72-1469	10/4	11:50	Cadmium - Dissolved	<0.13	µg/L	
W1713	72-1161	8/9	16:10	Calcium - Dissolved	30	mg/L	
W1713	72-1311	8/30	14:50	Calcium - Dissolved	40	mg/L	
W1713	72-1469	10/4	11:50	Calcium - Dissolved	36	mg/L	b
W1713	72-1161	8/9	16:10	Chromium - Dissolved	1.7	µg/L	b
W1713	72-1311	8/30	14:50	Chromium - Dissolved	1.9	µg/L	
W1713	72-1469	10/4	11:50	Chromium - Dissolved	0.56	µg/L	
W1713	72-1161	8/9	16:10	Cobalt - Dissolved	0.28	µg/L	
W1713	72-1311	8/30	14:50	Cobalt - Dissolved	0.19	µg/L	
W1713	72-1469	10/4	11:50	Cobalt - Dissolved	0.19	µg/L	
W1713	72-1161	8/9	16:10	Copper - Dissolved	##	µg/L	b, j
W1713	72-1311	8/30	14:50	Copper - Dissolved	8.4	µg/L	
W1713	72-1469	10/4	11:50	Copper - Dissolved	2.8	µg/L	b
W1713	72-1161	8/9	16:10	Iron - Dissolved	92	µg/L	d
W1713	72-1311	8/30	14:50	Iron - Dissolved	150	µg/L	
W1713	72-1469	10/4	11:50	Iron - Dissolved	<30	µg/L	
W1713	72-1161	8/9	16:10	Lead - Dissolved	0.73	µg/L	
W1713	72-1311	8/30	14:50	Lead - Dissolved	1.4	µg/L	
W1713	72-1469	10/4	11:50	Lead - Dissolved	0.14	µg/L	
W1713	72-1161	8/9	16:10	Magnesium - Dissolved	7.8	mg/L	
W1713	72-1311	8/30	14:50	Magnesium - Dissolved	12	mg/L	
W1713	72-1469	10/4	11:50	Magnesium - Dissolved	10.0	mg/L	
W1713	72-1161	8/9	16:10	Manganese - Dissolved	220	µg/L	b
W1713	72-1311	8/30	14:50	Manganese - Dissolved	160	µg/L	
W1713	72-1469	10/4	11:50	Manganese - Dissolved	150	µg/L	b
W1713	72-1161	8/9	16:10	Molybdenum - Dissolved	8.3	µg/L	
W1713	72-1311	8/30	14:50	Molybdenum - Dissolved	5.0	µg/L	
W1713	72-1469	10/4	11:50	Molybdenum - Dissolved	6.0	µg/L	
W1713	72-1161	8/9	16:10	Nickel - Dissolved	1.7	µg/L	

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W1713	72-1311	8/30	14:50	Nickel - Dissolved	1.7	µg/L	
W1713	72-1469	10/4	11:50	Nickel - Dissolved	2.4	µg/L	
W1713	72-1161	8/9	16:10	Selenium - Dissolved	<2.6	µg/L	
W1713	72-1311	8/30	14:50	Selenium - Dissolved	<2.6	µg/L	
W1713	72-1469	10/4	11:50	Selenium - Dissolved	<2.6	µg/L	
W1713	72-1161	8/9	16:10	Silver - Dissolved	<0.13	µg/L	
W1713	72-1311	8/30	14:50	Silver - Dissolved	<0.13	µg/L	
W1713	72-1469	10/4	11:50	Silver - Dissolved	<0.13	µg/L	
W1713	72-1161	8/9	16:10	Thallium - Dissolved	<0.16	µg/L	
W1713	72-1311	8/30	14:50	Thallium - Dissolved	<0.16	µg/L	
W1713	72-1469	10/4	11:50	Thallium - Dissolved	<0.16	µg/L	
W1713	72-1161	8/9	16:10	Vanadium - Dissolved	1.2	µg/L	
W1713	72-1311	8/30	14:50	Vanadium - Dissolved	1.5	µg/L	
W1713	72-1469	10/4	11:50	Vanadium - Dissolved	0.75	µg/L	
W1713	72-1161	8/9	16:10	Zinc - Dissolved	4.5	µg/L	b
W1713	72-1311	8/30	14:50	Zinc - Dissolved	3.3	µg/L	
W1713	72-1469	10/4	11:50	Zinc - Dissolved	1.6	µg/L	b
W1714	72-1162	8/9	17:35	Hardness	230	mg/L as CaCO3	
W1714	72-1312	8/30	15:20	Hardness	350	mg/L as CaCO3	
W1714	72-1470	10/4	12:30	Hardness	260	mg/L as CaCO3	
W1714	72-1162	8/9	17:35	Antimony - Dissolved	##	µg/L	b, d
W1714	72-1312	8/30	15:20	Antimony - Dissolved	0.58	µg/L	
W1714	72-1470	10/4	12:30	Antimony - Dissolved	##	µg/L	b
W1714	72-1162	8/9	17:35	Aluminum - Dissolved	<40	µg/L	
W1714	72-1312	8/30	15:20	Aluminum - Dissolved	<40	µg/L	
W1714	72-1470	10/4	12:30	Aluminum - Dissolved	<40	µg/L	
W1714	72-1162	8/9	17:35	Arsenic - Dissolved	1.7	µg/L	
W1714	72-1312	8/30	15:20	Arsenic - Dissolved	2.4	µg/L	
W1714	72-1470	10/4	12:30	Arsenic - Dissolved	2.8	µg/L	
W1714	72-1162	8/9	17:35	Barium - Dissolved	48	µg/L	
W1714	72-1312	8/30	15:20	Barium - Dissolved	50	µg/L	
W1714	72-1470	10/4	12:30	Barium - Dissolved	57	µg/L	
W1714	72-1162	8/9	17:35	Beryllium - Dissolved	0.62	µg/L	b, d, j
W1714	72-1312	8/30	15:20	Beryllium - Dissolved	<0.20	µg/L	
W1714	72-1470	10/4	12:30	Beryllium - Dissolved	<0.20	µg/L	
W1714	72-1162	8/9	17:35	Cadmium - Dissolved	<0.13	µg/L	
W1714	72-1312	8/30	15:20	Cadmium - Dissolved	<0.13	µg/L	
W1714	72-1470	10/4	12:30	Cadmium - Dissolved	<0.13	µg/L	
W1714	72-1162	8/9	17:35	Calcium - Dissolved	35	mg/L	
W1714	72-1312	8/30	15:20	Calcium - Dissolved	42	mg/L	
W1714	72-1470	10/4	12:30	Calcium - Dissolved	47	mg/L	b
W1714	72-1162	8/9	17:35	Chromium - Dissolved	1.9	µg/L	b

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W1714	72-1312	8/30	15:20	Chromium - Dissolved	1.7	µg/L	
W1714	72-1470	10/4	12:30	Chromium - Dissolved	0.52	µg/L	
W1714	72-1162	8/9	17:35	Cobalt - Dissolved	0.22	µg/L	
W1714	72-1312	8/30	15:20	Cobalt - Dissolved	0.19	µg/L	
W1714	72-1470	10/4	12:30	Cobalt - Dissolved	0.26	µg/L	
W1714	72-1162	8/9	17:35	Copper - Dissolved	##	µg/L	b, j
W1714	72-1312	8/30	15:20	Copper - Dissolved	10.0	µg/L	
W1714	72-1470	10/4	12:30	Copper - Dissolved	6.5	µg/L	b
W1714	72-1162	8/9	17:35	Iron - Dissolved	43	µg/L	d
W1714	72-1312	8/30	15:20	Iron - Dissolved	<30	µg/L	
W1714	72-1470	10/4	12:30	Iron - Dissolved	180	µg/L	
W1714	72-1162	8/9	17:35	Lead - Dissolved	0.23	µg/L	
W1714	72-1312	8/30	15:20	Lead - Dissolved	0.21	µg/L	
W1714	72-1470	10/4	12:30	Lead - Dissolved	0.27	µg/L	
W1714	72-1162	8/9	17:35	Magnesium - Dissolved	35	mg/L	
W1714	72-1312	8/30	15:20	Magnesium - Dissolved	59	mg/L	
W1714	72-1470	10/4	12:30	Magnesium - Dissolved	35	mg/L	
W1714	72-1162	8/9	17:35	Manganese - Dissolved	140	µg/L	b
W1714	72-1312	8/30	15:20	Manganese - Dissolved	55	µg/L	
W1714	72-1470	10/4	12:30	Manganese - Dissolved	560	µg/L	b
W1714	72-1162	8/9	17:35	Molybdenum - Dissolved	2.0	µg/L	
W1714	72-1312	8/30	15:20	Molybdenum - Dissolved	2.0	µg/L	b
W1714	72-1470	10/4	12:30	Molybdenum - Dissolved	2.2	µg/L	
W1714	72-1162	8/9	17:35	Nickel - Dissolved	1.9	µg/L	
W1714	72-1312	8/30	15:20	Nickel - Dissolved	1.8	µg/L	
W1714	72-1470	10/4	12:30	Nickel - Dissolved	2.7	µg/L	
W1714	72-1162	8/9	17:35	Selenium - Dissolved	4.0	µg/L	
W1714	72-1312	8/30	15:20	Selenium - Dissolved	6.4	µg/L	
W1714	72-1470	10/4	12:30	Selenium - Dissolved	7.7	µg/L	
W1714	72-1162	8/9	17:35	Silver - Dissolved	<0.13	µg/L	
W1714	72-1312	8/30	15:20	Silver - Dissolved	<0.13	µg/L	
W1714	72-1470	10/4	12:30	Silver - Dissolved	<0.13	µg/L	
W1714	72-1162	8/9	17:35	Thallium - Dissolved	<0.16	µg/L	
W1714	72-1312	8/30	15:20	Thallium - Dissolved	<0.16	µg/L	
W1714	72-1470	10/4	12:30	Thallium - Dissolved	<0.16	µg/L	
W1714	72-1162	8/9	17:35	Vanadium - Dissolved	0.78	µg/L	
W1714	72-1312	8/30	15:20	Vanadium - Dissolved	0.78	µg/L	
W1714	72-1470	10/4	12:30	Vanadium - Dissolved	<0.15	µg/L	
W1714	72-1162	8/9	17:35	Zinc - Dissolved	7.7	µg/L	b
W1714	72-1312	8/30	15:20	Zinc - Dissolved	2.5	µg/L	
W1714	72-1470	10/4	12:30	Zinc - Dissolved	3.1	µg/L	b
W1715	72-1160	8/9	15:29	Hardness	100	mg/L as CaCO3	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1715	72-1310	8/30	14:15	Hardness	190	mg/L as CaCO3	
W1715	72-1468	10/4	11:18	Hardness	270	mg/L as CaCO3	
W1715	72-1160	8/9	15:29	Antimony - Dissolved	##	µg/L	b, d
W1715	72-1310	8/30	14:15	Antimony - Dissolved	0.62	µg/L	
W1715	72-1468	10/4	11:18	Antimony - Dissolved	##	µg/L	b
W1715	72-1160	8/9	15:29	Aluminum - Dissolved	<40	µg/L	
W1715	72-1310	8/30	14:15	Aluminum - Dissolved	40	µg/L	
W1715	72-1468	10/4	11:18	Aluminum - Dissolved	<40	µg/L	
W1715	72-1160	8/9	15:29	Arsenic - Dissolved	1.0	µg/L	
W1715	72-1310	8/30	14:15	Arsenic - Dissolved	1.4	µg/L	
W1715	72-1468	10/4	11:18	Arsenic - Dissolved	3.4	µg/L	
W1715	72-1160	8/9	15:29	Barium - Dissolved	46	µg/L	
W1715	72-1310	8/30	14:15	Barium - Dissolved	51	µg/L	
W1715	72-1468	10/4	11:18	Barium - Dissolved	58	µg/L	
W1715	72-1160	8/9	15:29	Beryllium - Dissolved	<0.20	µg/L	d, j
W1715	72-1310	8/30	14:15	Beryllium - Dissolved	<0.20	µg/L	
W1715	72-1468	10/4	11:18	Beryllium - Dissolved	<0.20	µg/L	
W1715	72-1160	8/9	15:29	Cadmium - Dissolved	<0.13	µg/L	
W1715	72-1310	8/30	14:15	Cadmium - Dissolved	<0.13	µg/L	
W1715	72-1468	10/4	11:18	Cadmium - Dissolved	<0.13	µg/L	
W1715	72-1160	8/9	15:29	Calcium - Dissolved	24	mg/L	
W1715	72-1310	8/30	14:15	Calcium - Dissolved	31	mg/L	
W1715	72-1468	10/4	11:18	Calcium - Dissolved	38	mg/L	b
W1715	72-1160	8/9	15:29	Chromium - Dissolved	1.4	µg/L	b
W1715	72-1310	8/30	14:15	Chromium - Dissolved	1.5	µg/L	
W1715	72-1468	10/4	11:18	Chromium - Dissolved	0.91	µg/L	
W1715	72-1160	8/9	15:29	Cobalt - Dissolved	<0.17	µg/L	
W1715	72-1310	8/30	14:15	Cobalt - Dissolved	<0.17	µg/L	
W1715	72-1468	10/4	11:18	Cobalt - Dissolved	0.17	µg/L	
W1715	72-1160	8/9	15:29	Copper - Dissolved	##	µg/L	b, j
W1715	72-1310	8/30	14:15	Copper - Dissolved	5.9	µg/L	
W1715	72-1468	10/4	11:18	Copper - Dissolved	6.8	µg/L	b
W1715	72-1160	8/9	15:29	Iron - Dissolved	71	µg/L	d
W1715	72-1310	8/30	14:15	Iron - Dissolved	40	µg/L	
W1715	72-1468	10/4	11:18	Iron - Dissolved	<30	µg/L	
W1715	72-1160	8/9	15:29	Lead - Dissolved	0.81	µg/L	
W1715	72-1310	8/30	14:15	Lead - Dissolved	0.33	µg/L	
W1715	72-1468	10/4	11:18	Lead - Dissolved	0.29	µg/L	
W1715	72-1160	8/9	15:29	Magnesium - Dissolved	10.0	mg/L	
W1715	72-1310	8/30	14:15	Magnesium - Dissolved	28	mg/L	
W1715	72-1468	10/4	11:18	Magnesium - Dissolved	41	mg/L	
W1715	72-1160	8/9	15:29	Manganese - Dissolved	30	µg/L	b

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W1715	72-1310	8/30	14:15	Manganese - Dissolved	9.4	µg/L	
W1715	72-1468	10/4	11:18	Manganese - Dissolved	21	µg/L	b
W1715	72-1160	8/9	15:29	Molybdenum - Dissolved	1.7	µg/L	
W1715	72-1310	8/30	14:15	Molybdenum - Dissolved	1.9	µg/L	
W1715	72-1468	10/4	11:18	Molybdenum - Dissolved	2.2	µg/L	
W1715	72-1160	8/9	15:29	Nickel - Dissolved	1.3	µg/L	
W1715	72-1310	8/30	14:15	Nickel - Dissolved	1.4	µg/L	
W1715	72-1468	10/4	11:18	Nickel - Dissolved	2.5	µg/L	
W1715	72-1160	8/9	15:29	Selenium - Dissolved	<2.6	µg/L	
W1715	72-1310	8/30	14:15	Selenium - Dissolved	2.7	µg/L	
W1715	72-1468	10/4	11:18	Selenium - Dissolved	9.0	µg/L	
W1715	72-1160	8/9	15:29	Silver - Dissolved	<0.13	µg/L	
W1715	72-1310	8/30	14:15	Silver - Dissolved	<0.13	µg/L	
W1715	72-1468	10/4	11:18	Silver - Dissolved	0.26	µg/L	
W1715	72-1160	8/9	15:29	Thallium - Dissolved	<0.16	µg/L	
W1715	72-1310	8/30	14:15	Thallium - Dissolved	<0.16	µg/L	
W1715	72-1468	10/4	11:18	Thallium - Dissolved	<0.16	µg/L	
W1715	72-1160	8/9	15:29	Vanadium - Dissolved	0.63	µg/L	
W1715	72-1310	8/30	14:15	Vanadium - Dissolved	0.85	µg/L	
W1715	72-1468	10/4	11:18	Vanadium - Dissolved	<0.15	µg/L	
W1715	72-1160	8/9	15:29	Zinc - Dissolved	2.5	µg/L	b
W1715	72-1310	8/30	14:15	Zinc - Dissolved	1.7	µg/L	
W1715	72-1468	10/4	11:18	Zinc - Dissolved	2.6	µg/L	b
W1716	72-0982	6/19	6:07	Total Nitrogen	1.1	mg/L	
W1716	72-0982	6/19	6:07	Total Phosphorus	0.080	mg/L	
W1716	72-0982	6/19	6:07	Nitrate/Nitrite-N	0.50	mg/L	
W1716	72-0982	6/19	6:07	Ammonia-N	0.07	mg/L	
W1716	72-0980	6/19	6:05	<i>E. coli</i>	100	CFU/100mL	
W0414	72-0693	5/15	8:15	Total Nitrogen	1.5	mg/L	
W0414	72-0949	6/19	6:48	Total Nitrogen	1.8	mg/L	
W0414	72-1119	7/24	8:33	Total Nitrogen	1.9	mg/L	
W0414	72-1269	8/28	8:30	Total Nitrogen	3.4	mg/L	
W0414	72-1427	10/2	8:37	Total Nitrogen	3.3	mg/L	h
W0414	72-0693	5/15	8:15	Total Phosphorus	0.032	mg/L	
W0414	72-0949	6/19	6:48	Total Phosphorus	0.061	mg/L	
W0414	72-1119	7/24	8:33	Total Phosphorus	0.038	mg/L	
W0414	72-1269	8/28	8:30	Total Phosphorus	0.015	mg/L	
W0414	72-1427	10/2	8:37	Total Phosphorus	0.016	mg/L	h
W0414	72-0693	5/15	8:15	Nitrate/Nitrite-N	1.0	mg/L	
W0414	72-0949	6/19	6:48	Nitrate/Nitrite-N	1.2	mg/L	
W0414	72-1119	7/24	8:33	Nitrate/Nitrite-N	1.4	mg/L	
W0414	72-1269	8/28	8:30	Nitrate/Nitrite-N	2.9	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W0414	72-1427	10/2	8:37	Nitrate/Nitrite-N	2.4	mg/L	
W0414	72-0693	5/15	8:15	Ammonia-N	0.05	mg/L	
W0414	72-0949	6/19	6:48	Ammonia-N	0.06	mg/L	
W0414	72-1119	7/24	8:33	Ammonia-N	0.03	mg/L	
W0414	72-1269	8/28	8:30	Ammonia-N	<0.02	mg/L	
W0414	72-1427	10/2	8:37	Ammonia-N	<0.02	mg/L	
W0414	72-0693	5/15	8:15	Suspended Solids	2.6	mg/L	
W0414	72-0949	6/19	6:48	Suspended Solids	3.4	mg/L	
W0414	72-1119	7/24	8:33	Suspended Solids	1.8	mg/L	d
W0414	72-1269	8/28	8:30	Suspended Solids	3.2	mg/L	d
W0414	72-1427	10/2	8:37	Suspended Solids	<1.0	mg/L	
W0414	72-0693	5/15	8:15	<i>E. coli</i>	24	CFU/100mL	
W0414	72-0949	6/19	6:48	<i>E. coli</i>	190	CFU/100mL	
W0414	72-1119	7/24	8:33	<i>E. coli</i>	24	CFU/100mL	
W0414	72-1269	8/28	8:30	<i>E. coli</i>	24	CFU/100mL	
W0414	72-1427	10/2	8:37	<i>E. coli</i>	43	CFU/100mL	
W0414	72-0693	5/15	8:15	Apparent Color	55	PCU	
W0414	72-0949	6/19	6:48	Apparent Color	<75	PCU	d, j
W0414	72-1119	7/24	8:33	Apparent Color	65	PCU	
W0414	72-1269	8/28	8:30	Apparent Color	20	PCU	
W0414	72-1427	10/2	8:37	Apparent Color	22	PCU	
W0414	72-0693	5/15	8:15	True Color	46	PCU	
W0414	72-0949	6/19	6:48	True Color	<75	PCU	d, j
W0414	72-1119	7/24	8:33	True Color	48	PCU	
W0414	72-1269	8/28	8:30	True Color	20	PCU	
W0414	72-1427	10/2	8:37	True Color	20	PCU	
W0414	72-0693	5/15	8:15	Turbidity	2.4	NTU	d
W0414	72-0949	6/19	6:48	Turbidity	4.4	NTU	
W0414	72-1119	7/24	8:33	Turbidity	3.3	NTU	
W0414	72-1269	8/28	8:30	Turbidity	<0.5	NTU	
W0414	72-1427	10/2	8:37	Turbidity	0.8	NTU	
W0414	72-0949	6/19	6:48	Hardness	78	mg/L	
W0414	72-1119	7/24	8:33	Hardness	78	mg/L	
W0414	72-1269	8/28	8:30	Hardness	80	mg/L	
W1136	72-0695	5/15	8:30	Total Nitrogen	1.6	mg/L	
W1136	72-0950	6/19	7:00	Total Nitrogen	2.0	mg/L	
W1136	72-1120	7/24	8:45	Total Nitrogen	2.1	mg/L	
W1136	72-1270	8/28	8:50	Total Nitrogen	3.9	mg/L	
W1136	72-1428	10/2	8:56	Total Nitrogen	5.5	mg/L	
W1136	72-0695	5/15	8:30	Total Phosphorus	0.052	mg/L	
W1136	72-0950	6/19	7:00	Total Phosphorus	0.061	mg/L	
W1136	72-1120	7/24	8:45	Total Phosphorus	0.054	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1136	72-1270	8/28	8:50	Total Phosphorus	0.063	mg/L	
W1136	72-1428	10/2	8:56	Total Phosphorus	0.043	mg/L	
W1136	72-0695	5/15	8:30	Nitrate/Nitrite-N	1.1	mg/L	
W1136	72-0950	6/19	7:00	Nitrate/Nitrite-N	1.4	mg/L	
W1136	72-1120	7/24	8:45	Nitrate/Nitrite-N	1.4	mg/L	
W1136	72-1270	8/28	8:50	Nitrate/Nitrite-N	2.7	mg/L	
W1136	72-1428	10/2	8:56	Nitrate/Nitrite-N	4.7	mg/L	
W1136	72-0695	5/15	8:30	Ammonia-N	0.04	mg/L	
W1136	72-0950	6/19	7:00	Ammonia-N	0.06	mg/L	
W1136	72-1120	7/24	8:45	Ammonia-N	0.07	mg/L	
W1136	72-1270	8/28	8:50	Ammonia-N	<0.02	mg/L	
W1136	72-1428	10/2	8:56	Ammonia-N	<0.02	mg/L	
W1136	72-0695	5/15	8:30	Suspended Solids	4.7	mg/L	
W1136	72-0950	6/19	7:00	Suspended Solids	3.5	mg/L	
W1136	72-1120	7/24	8:45	Suspended Solids	2.8	mg/L	d
W1136	72-1270	8/28	8:50	Suspended Solids	7.8	mg/L	d
W1136	72-1428	10/2	8:56	Suspended Solids	3.3	mg/L	
W1136	72-0695	5/15	8:30	<i>E. coli</i>	24	CFU/100mL	
W1136	72-0950	6/19	7:00	<i>E. coli</i>	120	CFU/100mL	
W1136	72-1120	7/24	8:45	<i>E. coli</i>	71	CFU/100mL	
W1136	72-1270	8/28	8:50	<i>E. coli</i>	310	CFU/100mL	
W1136	72-1428	10/2	8:56	<i>E. coli</i>	210	CFU/100mL	
W1136	72-0695	5/15	8:30	Apparent Color	50	PCU	
W1136	72-0950	6/19	7:00	Apparent Color	70	PCU	d
W1136	72-1120	7/24	8:45	Apparent Color	55	PCU	
W1136	72-1270	8/28	8:50	Apparent Color	38	PCU	
W1136	72-1428	10/2	8:56	Apparent Color	32	PCU	
W1136	72-0695	5/15	8:30	True Color	38	PCU	
W1136	72-0950	6/19	7:00	True Color	55	PCU	d
W1136	72-1120	7/24	8:45	True Color	36	PCU	
W1136	72-1270	8/28	8:50	True Color	36	PCU	
W1136	72-1428	10/2	8:56	True Color	17	PCU	
W1136	72-0695	5/15	8:30	Turbidity	2.7	NTU	d
W1136	72-0950	6/19	7:00	Turbidity	3.5	NTU	
W1136	72-1120	7/24	8:45	Turbidity	1.9	NTU	
W1136	72-1270	8/28	8:50	Turbidity	10.0	NTU	
W1136	72-1428	10/2	8:56	Turbidity	4.0	NTU	
W1136	72-0950	6/19	7:00	Hardness	78	mg/L	
W1136	72-1120	7/24	8:45	Hardness	80	mg/L	
W1136	72-1153	8/9	11:58	Hardness	91	mg/L as CaCO3	
W1136	72-1270	8/28	8:50	Hardness	83	mg/L	
W1136	72-1303	8/30	10:22	Hardness	**	mg/L as CaCO3	

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W1136	72-1316	9/6	10:17	Hardness	110	mg/L as CaCO3	
W1136	72-1461	10/4	8:40	Hardness	100	mg/L as CaCO3	
W1136	72-1153	8/9	11:58	Antimony - Dissolved	##	µg/L	b, d
W1136	72-1303	8/30	10:22	Antimony - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Antimony - Dissolved	##	µg/L	b, d
W1136	72-1461	10/4	8:40	Antimony - Dissolved	##	µg/L	b, d
W1136	72-1153	8/9	11:58	Aluminum - Dissolved	<40	µg/L	
W1136	72-1303	8/30	10:22	Aluminum - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Aluminum - Dissolved	<40	µg/L	
W1136	72-1461	10/4	8:40	Aluminum - Dissolved	<40	µg/L	
W1136	72-1153	8/9	11:58	Arsenic - Dissolved	<0.51	µg/L	
W1136	72-1303	8/30	10:22	Arsenic - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Arsenic - Dissolved	<0.51	µg/L	
W1136	72-1461	10/4	8:40	Arsenic - Dissolved	<0.51	µg/L	
W1136	72-1153	8/9	11:58	Barium - Dissolved	48	µg/L	
W1136	72-1303	8/30	10:22	Barium - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Barium - Dissolved	42	µg/L	
W1136	72-1461	10/4	8:40	Barium - Dissolved	47	µg/L	
W1136	72-1153	8/9	11:58	Beryllium - Dissolved	0.75	µg/L	b, d, j
W1136	72-1303	8/30	10:22	Beryllium - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Beryllium - Dissolved	<0.20	µg/L	
W1136	72-1461	10/4	8:40	Beryllium - Dissolved	<0.20	µg/L	
W1136	72-1153	8/9	11:58	Cadmium - Dissolved	<0.13	µg/L	
W1136	72-1303	8/30	10:22	Cadmium - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Cadmium - Dissolved	<0.13	µg/L	
W1136	72-1461	10/4	8:40	Cadmium - Dissolved	<0.13	µg/L	
W1136	72-1153	8/9	11:58	Calcium - Dissolved	28	mg/L	
W1136	72-1303	8/30	10:22	Calcium - Dissolved	**	mg/L	
W1136	72-1316	9/6	10:17	Calcium - Dissolved	34	mg/L	
W1136	72-1461	10/4	8:40	Calcium - Dissolved	31	mg/L	b
W1136	72-1153	8/9	11:58	Chromium - Dissolved	1.9	µg/L	b
W1136	72-1303	8/30	10:22	Chromium - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Chromium - Dissolved	2.4	µg/L	
W1136	72-1461	10/4	8:40	Chromium - Dissolved	1.0	µg/L	
W1136	72-1153	8/9	11:58	Cobalt - Dissolved	2.8	µg/L	
W1136	72-1303	8/30	10:22	Cobalt - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Cobalt - Dissolved	6.5	µg/L	
W1136	72-1461	10/4	8:40	Cobalt - Dissolved	4.8	µg/L	
W1136	72-1153	8/9	11:58	Copper - Dissolved	##	µg/L	b, j
W1136	72-1303	8/30	10:22	Copper - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Copper - Dissolved	##	µg/L	d
W1136	72-1461	10/4	8:40	Copper - Dissolved	2.9	µg/L	b

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W1136	72-1153	8/9	11:58	Iron - Dissolved	##	µg/L	d
W1136	72-1303	8/30	10:22	Iron - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Iron - Dissolved	<30	µg/L	
W1136	72-1461	10/4	8:40	Iron - Dissolved	62	µg/L	
W1136	72-1153	8/9	11:58	Lead - Dissolved	0.34	µg/L	
W1136	72-1303	8/30	10:22	Lead - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Lead - Dissolved	0.21	µg/L	d
W1136	72-1461	10/4	8:40	Lead - Dissolved	<0.14	µg/L	
W1136	72-1153	8/9	11:58	Magnesium - Dissolved	5.0	mg/L	
W1136	72-1303	8/30	10:22	Magnesium - Dissolved	**	mg/L	
W1136	72-1316	9/6	10:17	Magnesium - Dissolved	5.5	mg/L	
W1136	72-1461	10/4	8:40	Magnesium - Dissolved	5.7	mg/L	
W1136	72-1153	8/9	11:58	Manganese - Dissolved	160	µg/L	b
W1136	72-1303	8/30	10:22	Manganese - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Manganese - Dissolved	130	µg/L	b
W1136	72-1461	10/4	8:40	Manganese - Dissolved	160	µg/L	b
W1136	72-1153	8/9	11:58	Molybdenum - Dissolved	3.5	µg/L	
W1136	72-1303	8/30	10:22	Molybdenum - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Molybdenum - Dissolved	8.5	µg/L	
W1136	72-1461	10/4	8:40	Molybdenum - Dissolved	5.7	µg/L	
W1136	72-1153	8/9	11:58	Nickel - Dissolved	2.4	µg/L	
W1136	72-1303	8/30	10:22	Nickel - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Nickel - Dissolved	3.6	µg/L	
W1136	72-1461	10/4	8:40	Nickel - Dissolved	2.9	µg/L	
W1136	72-1153	8/9	11:58	Selenium - Dissolved	<2.6	µg/L	
W1136	72-1303	8/30	10:22	Selenium - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Selenium - Dissolved	<2.6	µg/L	
W1136	72-1461	10/4	8:40	Selenium - Dissolved	<2.6	µg/L	
W1136	72-1153	8/9	11:58	Silver - Dissolved	<0.13	µg/L	
W1136	72-1303	8/30	10:22	Silver - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Silver - Dissolved	<0.13	µg/L	
W1136	72-1461	10/4	8:40	Silver - Dissolved	<0.13	µg/L	
W1136	72-1153	8/9	11:58	Thallium - Dissolved	<0.16	µg/L	
W1136	72-1303	8/30	10:22	Thallium - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Thallium - Dissolved	<0.16	µg/L	
W1136	72-1461	10/4	8:40	Thallium - Dissolved	<0.16	µg/L	
W1136	72-1153	8/9	11:58	Vanadium - Dissolved	0.89	µg/L	
W1136	72-1303	8/30	10:22	Vanadium - Dissolved	**	µg/L	
W1136	72-1316	9/6	10:17	Vanadium - Dissolved	1.2	µg/L	
W1136	72-1461	10/4	8:40	Vanadium - Dissolved	0.67	µg/L	
W1136	72-1153	8/9	11:58	Zinc - Dissolved	6.0	µg/L	b
W1136	72-1303	8/30	10:22	Zinc - Dissolved	**	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1136	72-1316	9/6	10:17	Zinc - Dissolved	7.9	µg/L	
W1136	72-1461	10/4	8:40	Zinc - Dissolved	8.7	µg/L	b
W0406	72-0713	5/15	8:45	Total Nitrogen	0.46	mg/L	
W0406	72-0960	6/19	8:55	Total Nitrogen	0.52	mg/L	
W0406	72-1130	7/24	8:34	Total Nitrogen	0.51	mg/L	
W0406	72-1280	8/28	8:45	Total Nitrogen	0.54	mg/L	
W0406	72-1438	10/2	8:59	Total Nitrogen	0.41	mg/L	
W0406	72-0713	5/15	8:45	Total Phosphorus	0.028	mg/L	
W0406	72-0960	6/19	8:55	Total Phosphorus	0.038	mg/L	
W0406	72-1130	7/24	8:34	Total Phosphorus	0.024	mg/L	
W0406	72-1280	8/28	8:45	Total Phosphorus	0.013	mg/L	
W0406	72-1438	10/2	8:59	Total Phosphorus	0.005	mg/L	
W0406	72-0713	5/15	8:45	Nitrate/Nitrite-N	0.05	mg/L	
W0406	72-0960	6/19	8:55	Nitrate/Nitrite-N	0.14	mg/L	
W0406	72-1130	7/24	8:34	Nitrate/Nitrite-N	0.14	mg/L	
W0406	72-1280	8/28	8:45	Nitrate/Nitrite-N	0.35	mg/L	
W0406	72-1438	10/2	8:59	Nitrate/Nitrite-N	0.22	mg/L	
W0406	72-0713	5/15	8:45	Ammonia-N	0.02	mg/L	
W0406	72-0960	6/19	8:55	Ammonia-N	0.02	mg/L	
W0406	72-1130	7/24	8:34	Ammonia-N	0.02	mg/L	
W0406	72-1280	8/28	8:45	Ammonia-N	<0.02	mg/L	
W0406	72-1438	10/2	8:59	Ammonia-N	<0.02	mg/L	
W0406	72-0713	5/15	8:45	Suspended Solids	5.1	mg/L	
W0406	72-0960	6/19	8:55	Suspended Solids	3.8	mg/L	
W0406	72-1130	7/24	8:34	Suspended Solids	6.7	mg/L	
W0406	72-1280	8/28	8:45	Suspended Solids	<1.0	mg/L	
W0406	72-1438	10/2	8:59	Suspended Solids	<1.0	mg/L	
W0406	72-0713	5/15	8:45	<i>E. coli</i>	5	CFU/100mL	
W0406	72-0960	6/19	8:55	<i>E. coli</i>	24	CFU/100mL	
W0406	72-1130	7/24	8:34	<i>E. coli</i>	120	CFU/100mL	
W0406	72-1280	8/28	8:45	<i>E. coli</i>	86	CFU/100mL	
W0406	72-1438	10/2	8:59	<i>E. coli</i>	130	CFU/100mL	
W0406	72-0713	5/15	8:45	Apparent Color	39	PCU	
W0406	72-0960	6/19	8:55	Apparent Color	50	PCU	
W0406	72-1130	7/24	8:34	Apparent Color	60	PCU	
W0406	72-1280	8/28	8:45	Apparent Color	18	PCU	
W0406	72-1438	10/2	8:59	Apparent Color	20	PCU	
W0406	72-0713	5/15	8:45	True Color	35	PCU	
W0406	72-0960	6/19	8:55	True Color	44	PCU	
W0406	72-1130	7/24	8:34	True Color	50	PCU	
W0406	72-1280	8/28	8:45	True Color	18	PCU	
W0406	72-1438	10/2	8:59	True Color	20	PCU	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W0406	72-0713	5/15	8:45	Turbidity	2.7	NTU	b
W0406	72-0960	6/19	8:55	Turbidity	2.0	NTU	
W0406	72-1130	7/24	8:34	Turbidity	1.3	NTU	
W0406	72-1280	8/28	8:45	Turbidity	1.8	NTU	
W0406	72-1438	10/2	8:59	Turbidity	1.0	NTU	
W1150	72-0697	5/15	8:55	Total Nitrogen	0.72	mg/L	
W1150	72-0951	6/19	7:22	Total Nitrogen	0.78	mg/L	
W1150	72-1121	7/24	9:00	Total Nitrogen	0.59	mg/L	
W1150	72-1271	8/28	9:15	Total Nitrogen	1.1	mg/L	
W1150	72-1429	10/2	9:18	Total Nitrogen	0.79	mg/L	
W1150	72-0697	5/15	8:55	Total Phosphorus	0.070	mg/L	
W1150	72-0951	6/19	7:22	Total Phosphorus	0.088	mg/L	
W1150	72-1121	7/24	9:00	Total Phosphorus	0.059	mg/L	
W1150	72-1271	8/28	9:15	Total Phosphorus	0.073	mg/L	
W1150	72-1429	10/2	9:18	Total Phosphorus	0.066	mg/L	
W1150	72-0697	5/15	8:55	Nitrate/Nitrite-N	0.15	mg/L	
W1150	72-0951	6/19	7:22	Nitrate/Nitrite-N	0.20	mg/L	
W1150	72-1121	7/24	9:00	Nitrate/Nitrite-N	0.08	mg/L	
W1150	72-1271	8/28	9:15	Nitrate/Nitrite-N	0.09	mg/L	
W1150	72-1429	10/2	9:18	Nitrate/Nitrite-N	0.09	mg/L	
W1150	72-0697	5/15	8:55	Ammonia-N	0.02	mg/L	
W1150	72-0951	6/19	7:22	Ammonia-N	0.08	mg/L	
W1150	72-1121	7/24	9:00	Ammonia-N	0.05	mg/L	
W1150	72-1271	8/28	9:15	Ammonia-N	0.04	mg/L	
W1150	72-1429	10/2	9:18	Ammonia-N	0.06	mg/L	
W1150	72-0697	5/15	8:55	Suspended Solids	3.0	mg/L	
W1150	72-0951	6/19	7:22	Suspended Solids	1.5	mg/L	
W1150	72-1121	7/24	9:00	Suspended Solids	1.7	mg/L	d
W1150	72-1271	8/28	9:15	Suspended Solids	6.5	mg/L	d
W1150	72-1429	10/2	9:18	Suspended Solids	3.6	mg/L	
W1150	72-0697	5/15	8:55	<i>E. coli</i>	10	CFU/100mL	
W1150	72-0951	6/19	7:22	<i>E. coli</i>	10	CFU/100mL	
W1150	72-1121	7/24	9:00	<i>E. coli</i>	10	CFU/100mL	
W1150	72-1271	8/28	9:15	<i>E. coli</i>	14	CFU/100mL	
W1150	72-1429	10/2	9:18	<i>E. coli</i>	5	CFU/100mL	
W1150	72-0697	5/15	8:55	Apparent Color	40	PCU	
W1150	72-0951	6/19	7:22	Apparent Color	49	PCU	d
W1150	72-1121	7/24	9:00	Apparent Color	55	PCU	
W1150	72-1271	8/28	9:15	Apparent Color	40	PCU	
W1150	72-1429	10/2	9:18	Apparent Color	25	PCU	
W1150	72-0697	5/15	8:55	True Color	36	PCU	
W1150	72-0951	6/19	7:22	True Color	46	PCU	d

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1150	72-1121	7/24	9:00	True Color	36	PCU	
W1150	72-1271	8/28	9:15	True Color	30	PCU	
W1150	72-1429	10/2	9:18	True Color	25	PCU	
W1150	72-0697	5/15	8:55	Turbidity	2.0	NTU	d
W1150	72-0951	6/19	7:22	Turbidity	2.0	NTU	
W1150	72-1121	7/24	9:00	Turbidity	2.0	NTU	
W1150	72-1271	8/28	9:15	Turbidity	12.5	NTU	
W1150	72-1429	10/2	9:18	Turbidity	5.6	NTU	
W1150	72-0951	6/19	7:22	Hardness	43	mg/L	
W1150	72-1121	7/24	9:00	Hardness	51	mg/L	
W1150	72-1271	8/28	9:15	Hardness	55	mg/L	
W0384	72-0731	5/15	8:58	Total Nitrogen	1.0	mg/L	
W0384	72-0970	6/19	6:01	Total Nitrogen	1.1	mg/L	
W0384	72-1140	7/24	8:43	Total Nitrogen	1.1	mg/L	
W0384	72-1290	8/28	9:10	Total Nitrogen	0.72	mg/L	
W0384	72-1448	10/2	9:30	Total Nitrogen	0.62	mg/L	
W0384	72-0731	5/15	8:58	Total Phosphorus	0.048	mg/L	
W0384	72-0970	6/19	6:01	Total Phosphorus	0.063	mg/L	
W0384	72-1140	7/24	8:43	Total Phosphorus	##	mg/L	d
W0384	72-1290	8/28	9:10	Total Phosphorus	0.029	mg/L	
W0384	72-1448	10/2	9:30	Total Phosphorus	0.026	mg/L	
W0384	72-0731	5/15	8:58	Nitrate/Nitrite-N	0.45	mg/L	
W0384	72-0970	6/19	6:01	Nitrate/Nitrite-N	0.57	mg/L	
W0384	72-1140	7/24	8:43	Nitrate/Nitrite-N	0.52	mg/L	
W0384	72-1290	8/28	9:10	Nitrate/Nitrite-N	0.37	mg/L	
W0384	72-1448	10/2	9:30	Nitrate/Nitrite-N	0.29	mg/L	
W0384	72-0731	5/15	8:58	Ammonia-N	0.06	mg/L	
W0384	72-0970	6/19	6:01	Ammonia-N	0.06	mg/L	
W0384	72-1140	7/24	8:43	Ammonia-N	0.07	mg/L	
W0384	72-1290	8/28	9:10	Ammonia-N	0.06	mg/L	
W0384	72-1448	10/2	9:30	Ammonia-N	0.03	mg/L	
W0384	72-0731	5/15	8:58	Suspended Solids	7.7	mg/L	
W0384	72-0970	6/19	6:01	Suspended Solids	3.9	mg/L	
W0384	72-1140	7/24	8:43	Suspended Solids	2.4	mg/L	d
W0384	72-1290	8/28	9:10	Suspended Solids	1.4	mg/L	d
W0384	72-1448	10/2	9:30	Suspended Solids	3.2	mg/L	d
W0384	72-0731	5/15	8:58	<i>E. coli</i>	190	CFU/100mL	
W0384	72-0970	6/19	6:01	<i>E. coli</i>	180	CFU/100mL	
W0384	72-1140	7/24	8:43	<i>E. coli</i>	67	CFU/100mL	
W0384	72-1290	8/28	9:10	<i>E. coli</i>	19	CFU/100mL	
W0384	72-1448	10/2	9:30	<i>E. coli</i>	19	CFU/100mL	
W0384	72-0731	5/15	8:58	Apparent Color	41	PCU	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W0384	72-0970	6/19	6:01	Apparent Color	55	PCU	
W0384	72-1140	7/24	8:43	Apparent Color	50	PCU	
W0384	72-1290	8/28	9:10	Apparent Color	25	PCU	d
W0384	72-1448	10/2	9:30	Apparent Color	15	PCU	
W0384	72-0731	5/15	8:58	True Color	33	PCU	
W0384	72-0970	6/19	6:01	True Color	55	PCU	
W0384	72-1140	7/24	8:43	True Color	45	PCU	
W0384	72-1290	8/28	9:10	True Color	25	PCU	d
W0384	72-1448	10/2	9:30	True Color	15	PCU	
W0384	72-0731	5/15	8:58	Turbidity	6.2	NTU	
W0384	72-0970	6/19	6:01	Turbidity	##	NTU	d
W0384	72-1140	7/24	8:43	Turbidity	2.2	NTU	b
W0384	72-1290	8/28	9:10	Turbidity	0.8	NTU	d
W0384	72-1448	10/2	9:30	Turbidity	0.9	NTU	
W0384	72-0970	6/19	6:01	Hardness	64	mg/L	
W0384	72-1140	7/24	8:43	Hardness	80	mg/L	
W0384	72-1290	8/28	9:10	Hardness	83	mg/L	
W0407	72-0715	5/15	9:00	Total Nitrogen	0.34	mg/L	
W0407	72-0961	6/19	9:12	Total Nitrogen	0.45	mg/L	
W0407	72-1131	7/24	8:48	Total Nitrogen	0.77	mg/L	
W0407	72-1281	8/28	9:15	Total Nitrogen	0.62	mg/L	
W0407	72-1439	10/2	9:11	Total Nitrogen	0.52	mg/L	
W0407	72-0715	5/15	9:00	Total Phosphorus	0.023	mg/L	
W0407	72-0961	6/19	9:12	Total Phosphorus	0.031	mg/L	
W0407	72-1131	7/24	8:48	Total Phosphorus	0.044	mg/L	
W0407	72-1281	8/28	9:15	Total Phosphorus	0.023	mg/L	
W0407	72-1439	10/2	9:11	Total Phosphorus	0.029	mg/L	
W0407	72-0715	5/15	9:00	Nitrate/Nitrite-N	<0.02	mg/L	
W0407	72-0961	6/19	9:12	Nitrate/Nitrite-N	0.02	mg/L	
W0407	72-1131	7/24	8:48	Nitrate/Nitrite-N	0.12	mg/L	
W0407	72-1281	8/28	9:15	Nitrate/Nitrite-N	0.11	mg/L	
W0407	72-1439	10/2	9:11	Nitrate/Nitrite-N	0.07	mg/L	
W0407	72-0715	5/15	9:00	Ammonia-N	<0.02	mg/L	
W0407	72-0961	6/19	9:12	Ammonia-N	0.04	mg/L	
W0407	72-1131	7/24	8:48	Ammonia-N	0.05	mg/L	
W0407	72-1281	8/28	9:15	Ammonia-N	0.04	mg/L	
W0407	72-1439	10/2	9:11	Ammonia-N	<0.02	mg/L	
W0407	72-0715	5/15	9:00	Suspended Solids	2.3	mg/L	
W0407	72-0961	6/19	9:12	Suspended Solids	2.9	mg/L	
W0407	72-1131	7/24	8:48	Suspended Solids	7.5	mg/L	
W0407	72-1281	8/28	9:15	Suspended Solids	1.4	mg/L	
W0407	72-1439	10/2	9:11	Suspended Solids	3.2	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W0407	72-0715	5/15	9:00	<i>E. coli</i>	160	CFU/100mL	
W0407	72-0961	6/19	9:12	<i>E. coli</i>	24	CFU/100mL	
W0407	72-1131	7/24	8:48	<i>E. coli</i>	1100	CFU/100mL	
W0407	72-1281	8/28	9:15	<i>E. coli</i>	<5	CFU/100mL	
W0407	72-1439	10/2	9:11	<i>E. coli</i>	29	CFU/100mL	
W0407	72-0715	5/15	9:00	Apparent Color	43	PCU	
W0407	72-0961	6/19	9:12	Apparent Color	55	PCU	
W0407	72-1131	7/24	8:48	Apparent Color	70	PCU	
W0407	72-1281	8/28	9:15	Apparent Color	37	PCU	
W0407	72-1439	10/2	9:11	Apparent Color	35	PCU	
W0407	72-0715	5/15	9:00	True Color	36	PCU	
W0407	72-0961	6/19	9:12	True Color	47	PCU	
W0407	72-1131	7/24	8:48	True Color	65	PCU	
W0407	72-1281	8/28	9:15	True Color	37	PCU	
W0407	72-1439	10/2	9:11	True Color	18	PCU	
W0407	72-0715	5/15	9:00	Turbidity	1.6	NTU	b
W0407	72-0961	6/19	9:12	Turbidity	1.6	NTU	
W0407	72-1131	7/24	8:48	Turbidity	2.7	NTU	
W0407	72-1281	8/28	9:15	Turbidity	1.5	NTU	
W0407	72-1439	10/2	9:11	Turbidity	1.7	NTU	
W1151	72-0699	5/15	9:10	Total Nitrogen	0.99	mg/L	
W1151	72-0952	6/19	7:35	Total Nitrogen	1.0	mg/L	
W1151	72-1122	7/24	9:11	Total Nitrogen	1.1	mg/L	
W1151	72-1272	8/28	9:35	Total Nitrogen	0.91	mg/L	
W1151	72-1430	10/2	9:32	Total Nitrogen	1.2	mg/L	
W1151	72-0699	5/15	9:10	Total Phosphorus	0.063	mg/L	
W1151	72-0952	6/19	7:35	Total Phosphorus	0.061	mg/L	
W1151	72-1122	7/24	9:11	Total Phosphorus	0.042	mg/L	
W1151	72-1272	8/28	9:35	Total Phosphorus	0.050	mg/L	
W1151	72-1430	10/2	9:32	Total Phosphorus	0.044	mg/L	
W1151	72-0699	5/15	9:10	Nitrate/Nitrite-N	0.48	mg/L	
W1151	72-0952	6/19	7:35	Nitrate/Nitrite-N	0.56	mg/L	
W1151	72-1122	7/24	9:11	Nitrate/Nitrite-N	0.65	mg/L	
W1151	72-1272	8/28	9:35	Nitrate/Nitrite-N	0.39	mg/L	
W1151	72-1430	10/2	9:32	Nitrate/Nitrite-N	0.66	mg/L	
W1151	72-0699	5/15	9:10	Ammonia-N	0.08	mg/L	
W1151	72-0952	6/19	7:35	Ammonia-N	0.05	mg/L	
W1151	72-1122	7/24	9:11	Ammonia-N	0.05	mg/L	
W1151	72-1272	8/28	9:35	Ammonia-N	0.03	mg/L	
W1151	72-1430	10/2	9:32	Ammonia-N	0.03	mg/L	
W1151	72-0699	5/15	9:10	Suspended Solids	4.7	mg/L	
W1151	72-0952	6/19	7:35	Suspended Solids	4.9	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1151	72-1122	7/24	9:11	Suspended Solids	<1.0	mg/L	d
W1151	72-1272	8/28	9:35	Suspended Solids	2.4	mg/L	d
W1151	72-1430	10/2	9:32	Suspended Solids	3.8	mg/L	
W1151	72-0699	5/15	9:10	<i>E. coli</i>	43	CFU/100mL	
W1151	72-0952	6/19	7:35	<i>E. coli</i>	67	CFU/100mL	
W1151	72-1122	7/24	9:11	<i>E. coli</i>	120	CFU/100mL	
W1151	72-1272	8/28	9:35	<i>E. coli</i>	250	CFU/100mL	
W1151	72-1430	10/2	9:32	<i>E. coli</i>	62	CFU/100mL	
W1151	72-0699	5/15	9:10	Apparent Color	39	PCU	
W1151	72-0952	6/19	7:35	Apparent Color	42	PCU	d
W1151	72-1122	7/24	9:11	Apparent Color	46	PCU	
W1151	72-1272	8/28	9:35	Apparent Color	25	PCU	
W1151	72-1430	10/2	9:32	Apparent Color	30	PCU	
W1151	72-0699	5/15	9:10	True Color	34	PCU	
W1151	72-0952	6/19	7:35	True Color	36	PCU	d
W1151	72-1122	7/24	9:11	True Color	33	PCU	
W1151	72-1272	8/28	9:35	True Color	25	PCU	
W1151	72-1430	10/2	9:32	True Color	27	PCU	
W1151	72-0699	5/15	9:10	Turbidity	2.4	NTU	d
W1151	72-0952	6/19	7:35	Turbidity	2.1	NTU	
W1151	72-1122	7/24	9:11	Turbidity	1.7	NTU	
W1151	72-1272	8/28	9:35	Turbidity	3.4	NTU	
W1151	72-1430	10/2	9:32	Turbidity	2.3	NTU	
W1151	72-0952	6/19	7:35	Hardness	60	mg/L	
W1151	72-1122	7/24	9:11	Hardness	66	mg/L	
W1151	72-1156	8/9	12:53	Hardness	74	mg/L as CaCO3	
W1151	72-1272	8/28	9:35	Hardness	70	mg/L	
W1151	72-1306	8/30	10:55	Hardness	**	mg/L as CaCO3	
W1151	72-1318	9/6	11:10	Hardness	83	mg/L as CaCO3	
W1151	72-1464	10/4	9:05	Hardness	94	mg/L as CaCO3	
W1151	72-1156	8/9	12:53	Antimony - Dissolved	##	µg/L	b, d
W1151	72-1306	8/30	10:55	Antimony - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Antimony - Dissolved	##	µg/L	b, d
W1151	72-1464	10/4	9:05	Antimony - Dissolved	##	µg/L	b
W1151	72-1156	8/9	12:53	Aluminum - Dissolved	<40	µg/L	
W1151	72-1306	8/30	10:55	Aluminum - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Aluminum - Dissolved	<40	µg/L	
W1151	72-1464	10/4	9:05	Aluminum - Dissolved	<40	µg/L	
W1151	72-1156	8/9	12:53	Arsenic - Dissolved	<0.51	µg/L	
W1151	72-1306	8/30	10:55	Arsenic - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Arsenic - Dissolved	<0.51	µg/L	
W1151	72-1464	10/4	9:05	Arsenic - Dissolved	<0.51	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1151	72-1156	8/9	12:53	Barium - Dissolved	29	µg/L	
W1151	72-1306	8/30	10:55	Barium - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Barium - Dissolved	25	µg/L	
W1151	72-1464	10/4	9:05	Barium - Dissolved	30	µg/L	
W1151	72-1156	8/9	12:53	Beryllium - Dissolved	0.66	µg/L	b, d, j
W1151	72-1306	8/30	10:55	Beryllium - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Beryllium - Dissolved	<0.20	µg/L	
W1151	72-1464	10/4	9:05	Beryllium - Dissolved	<0.20	µg/L	
W1151	72-1156	8/9	12:53	Cadmium - Dissolved	<0.13	µg/L	
W1151	72-1306	8/30	10:55	Cadmium - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Cadmium - Dissolved	<0.13	µg/L	
W1151	72-1464	10/4	9:05	Cadmium - Dissolved	<0.13	µg/L	
W1151	72-1156	8/9	12:53	Calcium - Dissolved	22	mg/L	
W1151	72-1306	8/30	10:55	Calcium - Dissolved	**	mg/L	
W1151	72-1318	9/6	11:10	Calcium - Dissolved	25	mg/L	
W1151	72-1464	10/4	9:05	Calcium - Dissolved	29	mg/L	b
W1151	72-1156	8/9	12:53	Chromium - Dissolved	1.3	µg/L	b
W1151	72-1306	8/30	10:55	Chromium - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Chromium - Dissolved	1.3	µg/L	
W1151	72-1464	10/4	9:05	Chromium - Dissolved	0.68	µg/L	
W1151	72-1156	8/9	12:53	Cobalt - Dissolved	<0.17	µg/L	
W1151	72-1306	8/30	10:55	Cobalt - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Cobalt - Dissolved	0.18	µg/L	
W1151	72-1464	10/4	9:05	Cobalt - Dissolved	0.20	µg/L	
W1151	72-1156	8/9	12:53	Copper - Dissolved	##	µg/L	b, j
W1151	72-1306	8/30	10:55	Copper - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Copper - Dissolved	1.5	µg/L	d
W1151	72-1464	10/4	9:05	Copper - Dissolved	1.9	µg/L	b
W1151	72-1156	8/9	12:53	Iron - Dissolved	110	µg/L	d
W1151	72-1306	8/30	10:55	Iron - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Iron - Dissolved	110	µg/L	
W1151	72-1464	10/4	9:05	Iron - Dissolved	130	µg/L	
W1151	72-1156	8/9	12:53	Lead - Dissolved	0.95	µg/L	
W1151	72-1306	8/30	10:55	Lead - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Lead - Dissolved	1.3	µg/L	
W1151	72-1464	10/4	9:05	Lead - Dissolved	1.1	µg/L	
W1151	72-1156	8/9	12:53	Magnesium - Dissolved	4.4	mg/L	
W1151	72-1306	8/30	10:55	Magnesium - Dissolved	**	mg/L	
W1151	72-1318	9/6	11:10	Magnesium - Dissolved	4.8	mg/L	
W1151	72-1464	10/4	9:05	Magnesium - Dissolved	5.2	mg/L	
W1151	72-1156	8/9	12:53	Manganese - Dissolved	43	µg/L	b
W1151	72-1306	8/30	10:55	Manganese - Dissolved	**	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1151	72-1318	9/6	11:10	Manganese - Dissolved	39	µg/L	b
W1151	72-1464	10/4	9:05	Manganese - Dissolved	48	µg/L	b
W1151	72-1156	8/9	12:53	Molybdenum - Dissolved	<0.16	µg/L	
W1151	72-1306	8/30	10:55	Molybdenum - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Molybdenum - Dissolved	0.23	µg/L	b
W1151	72-1464	10/4	9:05	Molybdenum - Dissolved	0.16	µg/L	
W1151	72-1156	8/9	12:53	Nickel - Dissolved	0.83	µg/L	
W1151	72-1306	8/30	10:55	Nickel - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Nickel - Dissolved	0.64	µg/L	
W1151	72-1464	10/4	9:05	Nickel - Dissolved	1.3	µg/L	
W1151	72-1156	8/9	12:53	Selenium - Dissolved	<2.6	µg/L	
W1151	72-1306	8/30	10:55	Selenium - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Selenium - Dissolved	<2.6	µg/L	
W1151	72-1464	10/4	9:05	Selenium - Dissolved	<2.6	µg/L	
W1151	72-1156	8/9	12:53	Silver - Dissolved	<0.13	µg/L	
W1151	72-1306	8/30	10:55	Silver - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Silver - Dissolved	<0.13	µg/L	
W1151	72-1464	10/4	9:05	Silver - Dissolved	<0.13	µg/L	
W1151	72-1156	8/9	12:53	Thallium - Dissolved	<0.16	µg/L	
W1151	72-1306	8/30	10:55	Thallium - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Thallium - Dissolved	<0.16	µg/L	
W1151	72-1464	10/4	9:05	Thallium - Dissolved	<0.16	µg/L	
W1151	72-1156	8/9	12:53	Vanadium - Dissolved	1.2	µg/L	
W1151	72-1306	8/30	10:55	Vanadium - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Vanadium - Dissolved	1.4	µg/L	
W1151	72-1464	10/4	9:05	Vanadium - Dissolved	0.79	µg/L	
W1151	72-1156	8/9	12:53	Zinc - Dissolved	1.9	µg/L	b
W1151	72-1306	8/30	10:55	Zinc - Dissolved	**	µg/L	
W1151	72-1318	9/6	11:10	Zinc - Dissolved	1.3	µg/L	
W1151	72-1464	10/4	9:05	Zinc - Dissolved	3.2	µg/L	b
W1143	72-0733	5/15	9:18	Total Nitrogen	1.2	mg/L	
W1143	72-0974	6/19	7:02	Total Nitrogen	1.6	mg/L	
W1143	72-1143	7/24	9:17	Total Nitrogen	1.7	mg/L	
W1143	72-1293	8/28	9:45	Total Nitrogen	1.1	mg/L	
W1143	72-1451	10/2	9:58	Total Nitrogen	0.75	mg/L	
W1143	72-0733	5/15	9:18	Total Phosphorus	0.056	mg/L	
W1143	72-0974	6/19	7:02	Total Phosphorus	0.13	mg/L	
W1143	72-1143	7/24	9:17	Total Phosphorus	0.059	mg/L	d
W1143	72-1293	8/28	9:45	Total Phosphorus	0.067	mg/L	
W1143	72-1451	10/2	9:58	Total Phosphorus	0.034	mg/L	
W1143	72-0733	5/15	9:18	Nitrate/Nitrite-N	0.47	mg/L	
W1143	72-0974	6/19	7:02	Nitrate/Nitrite-N	0.75	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1143	72-1143	7/24	9:17	Nitrate/Nitrite-N	1.2	mg/L	
W1143	72-1293	8/28	9:45	Nitrate/Nitrite-N	0.76	mg/L	
W1143	72-1451	10/2	9:58	Nitrate/Nitrite-N	0.42	mg/L	
W1143	72-0733	5/15	9:18	Ammonia-N	0.10	mg/L	
W1143	72-0974	6/19	7:02	Ammonia-N	0.10	mg/L	
W1143	72-1143	7/24	9:17	Ammonia-N	0.04	mg/L	
W1143	72-1293	8/28	9:45	Ammonia-N	0.02	mg/L	
W1143	72-1451	10/2	9:58	Ammonia-N	0.03	mg/L	
W1143	72-0733	5/15	9:18	Suspended Solids	3.2	mg/L	
W1143	72-0974	6/19	7:02	Suspended Solids	4.7	mg/L	
W1143	72-1143	7/24	9:17	Suspended Solids	30	mg/L	
W1143	72-1293	8/28	9:45	Suspended Solids	2.5	mg/L	
W1143	72-1451	10/2	9:58	Suspended Solids	2.2	mg/L	
W1143	72-0733	5/15	9:18	<i>E. coli</i>	540	CFU/100mL	
W1143	72-0974	6/19	7:02	<i>E. coli</i>	380	CFU/100mL	
W1143	72-1143	7/24	9:17	<i>E. coli</i>	610	CFU/100mL	
W1143	72-1293	8/28	9:45	<i>E. coli</i>	290	CFU/100mL	
W1143	72-1451	10/2	9:58	<i>E. coli</i>	230	CFU/100mL	
W1143	72-0733	5/15	9:18	Apparent Color	90	PCU	
W1143	72-0974	6/19	7:02	Apparent Color	120	PCU	
W1143	72-1143	7/24	9:17	Apparent Color	60	PCU	
W1143	72-1293	8/28	9:45	Apparent Color	33	PCU	
W1143	72-1451	10/2	9:58	Apparent Color	32	PCU	
W1143	72-0733	5/15	9:18	True Color	80	PCU	
W1143	72-0974	6/19	7:02	True Color	80	PCU	
W1143	72-1143	7/24	9:17	True Color	38	PCU	
W1143	72-1293	8/28	9:45	True Color	25	PCU	
W1143	72-1451	10/2	9:58	True Color	25	PCU	
W1143	72-0733	5/15	9:18	Turbidity	3.1	NTU	
W1143	72-0974	6/19	7:02	Turbidity	9.8	NTU	d
W1143	72-1143	7/24	9:17	Turbidity	3.3	NTU	b
W1143	72-1293	8/28	9:45	Turbidity	2.6	NTU	
W1143	72-1451	10/2	9:58	Turbidity	1.3	NTU	
W1141	72-0717	5/15	9:25	Total Nitrogen	1.2	mg/L	
W1141	72-0962	6/19	9:28	Total Nitrogen	1.3	mg/L	
W1141	72-1132	7/24	9:10	Total Nitrogen	1.2	mg/L	
W1141	72-1282	8/28	9:35	Total Nitrogen	0.75	mg/L	
W1141	72-1440	10/2	9:25	Total Nitrogen	1.6	mg/L	
W1141	72-0717	5/15	9:25	Total Phosphorus	0.048	mg/L	
W1141	72-0962	6/19	9:28	Total Phosphorus	0.075	mg/L	
W1141	72-1132	7/24	9:10	Total Phosphorus	0.041	mg/L	
W1141	72-1282	8/28	9:35	Total Phosphorus	0.037	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1141	72-1440	10/2	9:25	Total Phosphorus	0.025	mg/L	
W1141	72-0717	5/15	9:25	Nitrate/Nitrite-N	0.65	mg/L	
W1141	72-0962	6/19	9:28	Nitrate/Nitrite-N	0.72	mg/L	
W1141	72-1132	7/24	9:10	Nitrate/Nitrite-N	0.66	mg/L	
W1141	72-1282	8/28	9:35	Nitrate/Nitrite-N	0.12	mg/L	
W1141	72-1440	10/2	9:25	Nitrate/Nitrite-N	1.1	mg/L	
W1141	72-0717	5/15	9:25	Ammonia-N	0.07	mg/L	
W1141	72-0962	6/19	9:28	Ammonia-N	0.03	mg/L	
W1141	72-1132	7/24	9:10	Ammonia-N	0.04	mg/L	
W1141	72-1282	8/28	9:35	Ammonia-N	<0.02	mg/L	
W1141	72-1440	10/2	9:25	Ammonia-N	0.03	mg/L	
W1141	72-0717	5/15	9:25	Suspended Solids	2.7	mg/L	
W1141	72-0962	6/19	9:28	Suspended Solids	3.7	mg/L	
W1141	72-1132	7/24	9:10	Suspended Solids	3.5	mg/L	
W1141	72-1282	8/28	9:35	Suspended Solids	3.5	mg/L	
W1141	72-1440	10/2	9:25	Suspended Solids	2.1	mg/L	
W1141	72-0717	5/15	9:25	<i>E. coli</i>	5	CFU/100mL	
W1141	72-0962	6/19	9:28	<i>E. coli</i>	81	CFU/100mL	
W1141	72-1132	7/24	9:10	<i>E. coli</i>	10	CFU/100mL	
W1141	72-1282	8/28	9:35	<i>E. coli</i>	24	CFU/100mL	
W1141	72-1440	10/2	9:25	<i>E. coli</i>	10	CFU/100mL	
W1141	72-0717	5/15	9:25	Apparent Color	60	PCU	
W1141	72-0962	6/19	9:28	Apparent Color	60	PCU	
W1141	72-1132	7/24	9:10	Apparent Color	55	PCU	
W1141	72-1282	8/28	9:35	Apparent Color	30	PCU	
W1141	72-1440	10/2	9:25	Apparent Color	15	PCU	
W1141	72-0717	5/15	9:25	True Color	48	PCU	
W1141	72-0962	6/19	9:28	True Color	55	PCU	
W1141	72-1132	7/24	9:10	True Color	40	PCU	
W1141	72-1282	8/28	9:35	True Color	20	PCU	
W1141	72-1440	10/2	9:25	True Color	15	PCU	
W1141	72-0717	5/15	9:25	Turbidity	2.9	NTU	b
W1141	72-0962	6/19	9:28	Turbidity	3.6	NTU	
W1141	72-1132	7/24	9:10	Turbidity	2.4	NTU	
W1141	72-1282	8/28	9:35	Turbidity	4.5	NTU	
W1141	72-1440	10/2	9:25	Turbidity	1.3	NTU	
W1141	72-0962	6/19	9:28	Hardness	47	mg/L	
W1141	72-1132	7/24	9:10	Hardness	61	mg/L	
W1141	72-1282	8/28	9:35	Hardness	65	mg/L	
W1144	72-0735	5/15	9:34	Total Nitrogen	1.3	mg/L	
W1144	72-0975	6/19	7:18	Total Nitrogen	1.6	mg/L	
W1144	72-1144	7/24	9:36	Total Nitrogen	1.3	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1144	72-1294	8/28	10:08	Total Nitrogen	1.1	mg/L	
W1144	72-1452	10/2	10:13	Total Nitrogen	0.30	mg/L	
W1144	72-0735	5/15	9:34	Total Phosphorus	0.060	mg/L	
W1144	72-0975	6/19	7:18	Total Phosphorus	0.11	mg/L	
W1144	72-1144	7/24	9:36	Total Phosphorus	0.081	mg/L	d
W1144	72-1294	8/28	10:08	Total Phosphorus	0.14	mg/L	
W1144	72-1452	10/2	10:13	Total Phosphorus	0.066	mg/L	
W1144	72-0735	5/15	9:34	Nitrate/Nitrite-N	0.58	mg/L	
W1144	72-0975	6/19	7:18	Nitrate/Nitrite-N	0.82	mg/L	
W1144	72-1144	7/24	9:36	Nitrate/Nitrite-N	0.67	mg/L	
W1144	72-1294	8/28	10:08	Nitrate/Nitrite-N	0.38	mg/L	
W1144	72-1452	10/2	10:13	Nitrate/Nitrite-N	0.07	mg/L	
W1144	72-0735	5/15	9:34	Ammonia-N	0.10	mg/L	
W1144	72-0975	6/19	7:18	Ammonia-N	0.13	mg/L	
W1144	72-1144	7/24	9:36	Ammonia-N	0.14	mg/L	
W1144	72-1294	8/28	10:08	Ammonia-N	0.04	mg/L	
W1144	72-1452	10/2	10:13	Ammonia-N	0.03	mg/L	
W1144	72-0735	5/15	9:34	Suspended Solids	3.8	mg/L	
W1144	72-0975	6/19	7:18	Suspended Solids	5.7	mg/L	
W1144	72-1144	7/24	9:36	Suspended Solids	2.3	mg/L	
W1144	72-1294	8/28	10:08	Suspended Solids	6.8	mg/L	
W1144	72-1452	10/2	10:13	Suspended Solids	3.5	mg/L	
W1144	72-0735	5/15	9:34	<i>E. coli</i>	200	CFU/100mL	
W1144	72-0975	6/19	7:18	<i>E. coli</i>	580	CFU/100mL	
W1144	72-1144	7/24	9:36	<i>E. coli</i>	1400	CFU/100mL	
W1144	72-1294	8/28	10:08	<i>E. coli</i>	730	CFU/100mL	
W1144	72-1452	10/2	10:13	<i>E. coli</i>	470	CFU/100mL	
W1144	72-0735	5/15	9:34	Apparent Color	65	PCU	
W1144	72-0975	6/19	7:18	Apparent Color	<75	PCU	j
W1144	72-1144	7/24	9:36	Apparent Color	130	PCU	
W1144	72-1294	8/28	10:08	Apparent Color	46	PCU	
W1144	72-1452	10/2	10:13	Apparent Color	27	PCU	
W1144	72-0735	5/15	9:34	True Color	60	PCU	
W1144	72-0975	6/19	7:18	True Color	<75	PCU	j
W1144	72-1144	7/24	9:36	True Color	50	PCU	
W1144	72-1294	8/28	10:08	True Color	25	PCU	
W1144	72-1452	10/2	10:13	True Color	<15	PCU	
W1144	72-0735	5/15	9:34	Turbidity	3.0	NTU	
W1144	72-0975	6/19	7:18	Turbidity	6.3	NTU	d
W1144	72-1144	7/24	9:36	Turbidity	4.8	NTU	b
W1144	72-1294	8/28	10:08	Turbidity	7.6	NTU	
W1144	72-1452	10/2	10:13	Turbidity	5.8	NTU	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1144	72-1159	8/9	14:48	Hardness	97	mg/L as CaCO3	
W1144	72-1309	8/30	12:40	Hardness	**	mg/L as CaCO3	
W1144	72-1320	9/6	12:55	Hardness	130	mg/L as CaCO3	
W1144	72-1467	10/4	10:40	Hardness	130	mg/L as CaCO3	
W1144	72-1159	8/9	14:48	Antimony - Dissolved	##	µg/L	b, d
W1144	72-1309	8/30	12:40	Antimony - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Antimony - Dissolved	##	µg/L	b, d
W1144	72-1467	10/4	10:40	Antimony - Dissolved	##	µg/L	b
W1144	72-1159	8/9	14:48	Aluminum - Dissolved	<40	µg/L	
W1144	72-1309	8/30	12:40	Aluminum - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Aluminum - Dissolved	<40	µg/L	
W1144	72-1467	10/4	10:40	Aluminum - Dissolved	<40	µg/L	
W1144	72-1159	8/9	14:48	Arsenic - Dissolved	0.91	µg/L	
W1144	72-1309	8/30	12:40	Arsenic - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Arsenic - Dissolved	<0.51	µg/L	
W1144	72-1467	10/4	10:40	Arsenic - Dissolved	<0.51	µg/L	
W1144	72-1159	8/9	14:48	Barium - Dissolved	42	µg/L	
W1144	72-1309	8/30	12:40	Barium - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Barium - Dissolved	60	µg/L	
W1144	72-1467	10/4	10:40	Barium - Dissolved	63	µg/L	
W1144	72-1159	8/9	14:48	Beryllium - Dissolved	0.38	µg/L	b, d, j
W1144	72-1309	8/30	12:40	Beryllium - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Beryllium - Dissolved	<0.20	µg/L	
W1144	72-1467	10/4	10:40	Beryllium - Dissolved	<0.20	µg/L	
W1144	72-1159	8/9	14:48	Cadmium - Dissolved	<0.13	µg/L	
W1144	72-1309	8/30	12:40	Cadmium - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Cadmium - Dissolved	<0.13	µg/L	
W1144	72-1467	10/4	10:40	Cadmium - Dissolved	<0.13	µg/L	
W1144	72-1159	8/9	14:48	Calcium - Dissolved	28	mg/L	
W1144	72-1309	8/30	12:40	Calcium - Dissolved	**	mg/L	
W1144	72-1320	9/6	12:55	Calcium - Dissolved	35	mg/L	
W1144	72-1467	10/4	10:40	Calcium - Dissolved	36	mg/L	b
W1144	72-1159	8/9	14:48	Chromium - Dissolved	1.9	µg/L	b
W1144	72-1309	8/30	12:40	Chromium - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Chromium - Dissolved	1.3	µg/L	
W1144	72-1467	10/4	10:40	Chromium - Dissolved	0.66	µg/L	
W1144	72-1159	8/9	14:48	Cobalt - Dissolved	0.57	µg/L	
W1144	72-1309	8/30	12:40	Cobalt - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Cobalt - Dissolved	0.99	µg/L	
W1144	72-1467	10/4	10:40	Cobalt - Dissolved	0.77	µg/L	
W1144	72-1159	8/9	14:48	Copper - Dissolved	##	µg/L	b, j
W1144	72-1309	8/30	12:40	Copper - Dissolved	**	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1144	72-1320	9/6	12:55	Copper - Dissolved	2.3	µg/L	d
W1144	72-1467	10/4	10:40	Copper - Dissolved	1.9	µg/L	b
W1144	72-1159	8/9	14:48	Iron - Dissolved	510	µg/L	d
W1144	72-1309	8/30	12:40	Iron - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Iron - Dissolved	<30	µg/L	
W1144	72-1467	10/4	10:40	Iron - Dissolved	<30	µg/L	
W1144	72-1159	8/9	14:48	Lead - Dissolved	1.0	µg/L	
W1144	72-1309	8/30	12:40	Lead - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Lead - Dissolved	<0.14	µg/L	
W1144	72-1467	10/4	10:40	Lead - Dissolved	0.17	µg/L	
W1144	72-1159	8/9	14:48	Magnesium - Dissolved	6.7	mg/L	
W1144	72-1309	8/30	12:40	Magnesium - Dissolved	**	mg/L	
W1144	72-1320	9/6	12:55	Magnesium - Dissolved	10.0	mg/L	
W1144	72-1467	10/4	10:40	Magnesium - Dissolved	11	mg/L	
W1144	72-1159	8/9	14:48	Manganese - Dissolved	170	µg/L	b
W1144	72-1309	8/30	12:40	Manganese - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Manganese - Dissolved	560	µg/L	b
W1144	72-1467	10/4	10:40	Manganese - Dissolved	460	µg/L	b
W1144	72-1159	8/9	14:48	Molybdenum - Dissolved	0.79	µg/L	
W1144	72-1309	8/30	12:40	Molybdenum - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Molybdenum - Dissolved	0.25	µg/L	b
W1144	72-1467	10/4	10:40	Molybdenum - Dissolved	0.24	µg/L	
W1144	72-1159	8/9	14:48	Nickel - Dissolved	1.8	µg/L	
W1144	72-1309	8/30	12:40	Nickel - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Nickel - Dissolved	1.7	µg/L	
W1144	72-1467	10/4	10:40	Nickel - Dissolved	1.9	µg/L	
W1144	72-1159	8/9	14:48	Selenium - Dissolved	<2.6	µg/L	
W1144	72-1309	8/30	12:40	Selenium - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Selenium - Dissolved	<2.6	µg/L	
W1144	72-1467	10/4	10:40	Selenium - Dissolved	<2.6	µg/L	
W1144	72-1159	8/9	14:48	Silver - Dissolved	<0.13	µg/L	
W1144	72-1309	8/30	12:40	Silver - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Silver - Dissolved	<0.13	µg/L	
W1144	72-1467	10/4	10:40	Silver - Dissolved	<0.13	µg/L	
W1144	72-1159	8/9	14:48	Thallium - Dissolved	<0.16	µg/L	
W1144	72-1309	8/30	12:40	Thallium - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Thallium - Dissolved	<0.16	µg/L	
W1144	72-1467	10/4	10:40	Thallium - Dissolved	<0.16	µg/L	
W1144	72-1159	8/9	14:48	Vanadium - Dissolved	0.96	µg/L	
W1144	72-1309	8/30	12:40	Vanadium - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Vanadium - Dissolved	0.32	µg/L	
W1144	72-1467	10/4	10:40	Vanadium - Dissolved	<0.15	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1144	72-1159	8/9	14:48	Zinc - Dissolved	7.3	µg/L	b
W1144	72-1309	8/30	12:40	Zinc - Dissolved	**	µg/L	
W1144	72-1320	9/6	12:55	Zinc - Dissolved	7.0	µg/L	
W1144	72-1467	10/4	10:40	Zinc - Dissolved	8.7	µg/L	b
W1142	72-0679	5/15	9:35	Total Nitrogen	1.4	mg/L	
W1142	72-0941	6/19	8:38	Total Nitrogen	1.3	mg/L	
W1142	72-1111	7/24	9:00	Total Nitrogen	1.4	mg/L	
W1142	72-1261	8/28	8:51	Total Nitrogen	0.97	mg/L	
W1142	72-1419	10/2	8:51	Total Nitrogen	0.88	mg/L	
W1142	72-0679	5/15	9:35	Total Phosphorus	0.016	mg/L	
W1142	72-0941	6/19	8:38	Total Phosphorus	0.032	mg/L	
W1142	72-1111	7/24	9:00	Total Phosphorus	0.038	mg/L	
W1142	72-1261	8/28	8:51	Total Phosphorus	0.023	mg/L	
W1142	72-1419	10/2	8:51	Total Phosphorus	0.024	mg/L	
W1142	72-0679	5/15	9:35	Nitrate/Nitrite-N	1.0	mg/L	
W1142	72-0941	6/19	8:38	Nitrate/Nitrite-N	0.85	mg/L	
W1142	72-1111	7/24	9:00	Nitrate/Nitrite-N	0.97	mg/L	
W1142	72-1261	8/28	8:51	Nitrate/Nitrite-N	0.66	mg/L	
W1142	72-1419	10/2	8:51	Nitrate/Nitrite-N	0.56	mg/L	
W1142	72-0679	5/15	9:35	Ammonia-N	0.06	mg/L	
W1142	72-0941	6/19	8:38	Ammonia-N	0.14	mg/L	
W1142	72-1111	7/24	9:00	Ammonia-N	0.10	mg/L	
W1142	72-1261	8/28	8:51	Ammonia-N	0.05	mg/L	
W1142	72-1419	10/2	8:51	Ammonia-N	0.05	mg/L	
W1142	72-0679	5/15	9:35	Suspended Solids	3.1	mg/L	
W1142	72-0941	6/19	8:38	Suspended Solids	##	mg/L	b
W1142	72-1111	7/24	9:00	Suspended Solids	##	mg/L	b
W1142	72-1261	8/28	8:51	Suspended Solids	2.4	mg/L	
W1142	72-1419	10/2	8:51	Suspended Solids	4.8	mg/L	
W1142	72-0679	5/15	9:35	<i>E. coli</i>	140	CFU/100mL	
W1142	72-0941	6/19	8:38	<i>E. coli</i>	510	CFU/100mL	
W1142	72-1111	7/24	9:00	<i>E. coli</i>	340	CFU/100mL	
W1142	72-1261	8/28	8:51	<i>E. coli</i>	400	CFU/100mL	
W1142	72-1419	10/2	8:51	<i>E. coli</i>	410	CFU/100mL	
W1142	72-0679	5/15	9:35	Apparent Color	50	PCU	
W1142	72-0941	6/19	8:38	Apparent Color	<75	PCU	j
W1142	72-1111	7/24	9:00	Apparent Color	110	PCU	
W1142	72-1261	8/28	8:51	Apparent Color	55	PCU	
W1142	72-1419	10/2	8:51	Apparent Color	55	PCU	
W1142	72-0679	5/15	9:35	True Color	31	PCU	
W1142	72-0941	6/19	8:38	True Color	<75	PCU	j
W1142	72-1111	7/24	9:00	True Color	<15	PCU	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1142	72-1261	8/28	8:51	True Color	38	PCU	
W1142	72-1419	10/2	8:51	True Color	18	PCU	
W1142	72-0679	5/15	9:35	Turbidity	2.5	NTU	b
W1142	72-0941	6/19	8:38	Turbidity	##	NTU	b
W1142	72-1111	7/24	9:00	Turbidity	12.5	NTU	
W1142	72-1261	8/28	8:51	Turbidity	8.8	NTU	b
W1142	72-1419	10/2	8:51	Turbidity	9.9	NTU	
W1137	72-0703	5/15	9:40	Total Nitrogen	1.4	mg/L	
W1137	72-0954	6/19	8:05	Total Nitrogen	1.5	mg/L	
W1137	72-1124	7/24	9:38	Total Nitrogen	1.9	mg/L	
W1137	72-1274	8/28	10:10	Total Nitrogen	2.5	mg/L	
W1137	72-1432	10/2	10:06	Total Nitrogen	4.2	mg/L	
W1137	72-0703	5/15	9:40	Total Phosphorus	0.073	mg/L	
W1137	72-0954	6/19	8:05	Total Phosphorus	0.083	mg/L	
W1137	72-1124	7/24	9:38	Total Phosphorus	0.050	mg/L	
W1137	72-1274	8/28	10:10	Total Phosphorus	0.049	mg/L	
W1137	72-1432	10/2	10:06	Total Phosphorus	0.040	mg/L	
W1137	72-0703	5/15	9:40	Nitrate/Nitrite-N	0.74	mg/L	
W1137	72-0954	6/19	8:05	Nitrate/Nitrite-N	0.87	mg/L	
W1137	72-1124	7/24	9:38	Nitrate/Nitrite-N	1.3	mg/L	
W1137	72-1274	8/28	10:10	Nitrate/Nitrite-N	1.8	mg/L	
W1137	72-1432	10/2	10:06	Nitrate/Nitrite-N	2.9	mg/L	
W1137	72-0703	5/15	9:40	Ammonia-N	0.11	mg/L	
W1137	72-0954	6/19	8:05	Ammonia-N	0.09	mg/L	
W1137	72-1124	7/24	9:38	Ammonia-N	0.03	mg/L	
W1137	72-1274	8/28	10:10	Ammonia-N	0.05	mg/L	
W1137	72-1432	10/2	10:06	Ammonia-N	<0.02	mg/L	
W1137	72-0703	5/15	9:40	Suspended Solids	7.0	mg/L	
W1137	72-0954	6/19	8:05	Suspended Solids	7.4	mg/L	
W1137	72-1124	7/24	9:38	Suspended Solids	4.9	mg/L	d
W1137	72-1274	8/28	10:10	Suspended Solids	4.5	mg/L	d
W1137	72-1432	10/2	10:06	Suspended Solids	9.8	mg/L	
W1137	72-0703	5/15	9:40	<i>E. coli</i>	10	CFU/100mL	
W1137	72-0954	6/19	8:05	<i>E. coli</i>	48	CFU/100mL	
W1137	72-1124	7/24	9:38	<i>E. coli</i>	43	CFU/100mL	
W1137	72-1274	8/28	10:10	<i>E. coli</i>	29	CFU/100mL	
W1137	72-1432	10/2	10:06	<i>E. coli</i>	19	CFU/100mL	
W1137	72-0703	5/15	9:40	Apparent Color	60	PCU	
W1137	72-0954	6/19	8:05	Apparent Color	65	PCU	d
W1137	72-1124	7/24	9:38	Apparent Color	55	PCU	
W1137	72-1274	8/28	10:10	Apparent Color	30	PCU	
W1137	72-1432	10/2	10:06	Apparent Color	30	PCU	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1137	72-0703	5/15	9:40	True Color	50	PCU	
W1137	72-0954	6/19	8:05	True Color	55	PCU	d
W1137	72-1124	7/24	9:38	True Color	42	PCU	
W1137	72-1274	8/28	10:10	True Color	27	PCU	
W1137	72-1432	10/2	10:06	True Color	20	PCU	
W1137	72-0703	5/15	9:40	Turbidity	3.8	NTU	d
W1137	72-0954	6/19	8:05	Turbidity	4.5	NTU	
W1137	72-1124	7/24	9:38	Turbidity	3.5	NTU	
W1137	72-1274	8/28	10:10	Turbidity	7.9	NTU	
W1137	72-1432	10/2	10:06	Turbidity	5.3	NTU	
W1137	72-0954	6/19	8:05	Hardness	62	mg/L	
W1137	72-1124	7/24	9:38	Hardness	70	mg/L	
W1137	72-1274	8/28	10:10	Hardness	85	mg/L	
W0408	72-0719	5/15	9:40	Total Nitrogen	0.89	mg/L	
W0408	72-0963	6/19	9:50	Total Nitrogen	1.1	mg/L	
W0408	72-1133	7/24	9:26	Total Nitrogen	0.98	mg/L	
W0408	72-1283	8/28	10:02	Total Nitrogen	1.0	mg/L	
W0408	72-1441	10/2	9:40	Total Nitrogen	0.74	mg/L	
W0408	72-0719	5/15	9:40	Total Phosphorus	0.014	mg/L	
W0408	72-0963	6/19	9:50	Total Phosphorus	0.032	mg/L	
W0408	72-1133	7/24	9:26	Total Phosphorus	0.026	mg/L	
W0408	72-1283	8/28	10:02	Total Phosphorus	0.048	mg/L	
W0408	72-1441	10/2	9:40	Total Phosphorus	0.030	mg/L	
W0408	72-0719	5/15	9:40	Nitrate/Nitrite-N	0.60	mg/L	
W0408	72-0963	6/19	9:50	Nitrate/Nitrite-N	0.65	mg/L	
W0408	72-1133	7/24	9:26	Nitrate/Nitrite-N	0.59	mg/L	
W0408	72-1283	8/28	10:02	Nitrate/Nitrite-N	0.49	mg/L	
W0408	72-1441	10/2	9:40	Nitrate/Nitrite-N	0.38	mg/L	
W0408	72-0719	5/15	9:40	Ammonia-N	0.02	mg/L	
W0408	72-0963	6/19	9:50	Ammonia-N	0.15	mg/L	
W0408	72-1133	7/24	9:26	Ammonia-N	0.07	mg/L	
W0408	72-1283	8/28	10:02	Ammonia-N	0.07	mg/L	
W0408	72-1441	10/2	9:40	Ammonia-N	0.06	mg/L	
W0408	72-0719	5/15	9:40	Suspended Solids	1.5	mg/L	
W0408	72-0963	6/19	9:50	Suspended Solids	1.8	mg/L	
W0408	72-1133	7/24	9:26	Suspended Solids	2.0	mg/L	
W0408	72-1283	8/28	10:02	Suspended Solids	1.8	mg/L	
W0408	72-1441	10/2	9:40	Suspended Solids	1.4	mg/L	
W0408	72-0719	5/15	9:40	<i>E. coli</i>	38	CFU/100mL	
W0408	72-0963	6/19	9:50	<i>E. coli</i>	76	CFU/100mL	
W0408	72-1133	7/24	9:26	<i>E. coli</i>	76	CFU/100mL	
W0408	72-1283	8/28	10:02	<i>E. coli</i>	140	CFU/100mL	

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W0408	72-1441	10/2	9:40	<i>E. coli</i>	10	CFU/100mL	
W0408	72-0719	5/15	9:40	Apparent Color	37	PCU	
W0408	72-0963	6/19	9:50	Apparent Color	37	PCU	
W0408	72-1133	7/24	9:26	Apparent Color	65	PCU	
W0408	72-1283	8/28	10:02	Apparent Color	45	PCU	
W0408	72-1441	10/2	9:40	Apparent Color	50	PCU	
W0408	72-0719	5/15	9:40	True Color	32	PCU	
W0408	72-0963	6/19	9:50	True Color	34	PCU	
W0408	72-1133	7/24	9:26	True Color	55	PCU	
W0408	72-1283	8/28	10:02	True Color	37	PCU	
W0408	72-1441	10/2	9:40	True Color	45	PCU	
W0408	72-0719	5/15	9:40	Turbidity	2.6	NTU	b, d
W0408	72-0963	6/19	9:50	Turbidity	1.6	NTU	d
W0408	72-1133	7/24	9:26	Turbidity	2.3	NTU	
W0408	72-1283	8/28	10:02	Turbidity	2.7	NTU	
W0408	72-1441	10/2	9:40	Turbidity	2.0	NTU	d
W0408	72-0963	6/19	9:50	Hardness	40	mg/L	
W0408	72-1133	7/24	9:26	Hardness	45	mg/L	
W0408	72-1283	8/28	10:02	Hardness	47	mg/L	
W1157	72-0737	5/15	9:56	Total Nitrogen	0.82	mg/L	
W1157	72-0976	6/19	7:50	Total Nitrogen	0.88	mg/L	
W1157	72-1145	7/24	10:06	Total Nitrogen	0.61	mg/L	
W1157	72-1295	8/28	10:28	Total Nitrogen	0.41	mg/L	
W1157	72-1453	10/2	10:42	Total Nitrogen	0.39	mg/L	
W1157	72-0737	5/15	9:56	Total Phosphorus	0.022	mg/L	
W1157	72-0976	6/19	7:50	Total Phosphorus	0.030	mg/L	
W1157	72-1145	7/24	10:06	Total Phosphorus	0.017	mg/L	d
W1157	72-1295	8/28	10:28	Total Phosphorus	0.014	mg/L	
W1157	72-1453	10/2	10:42	Total Phosphorus	0.013	mg/L	
W1157	72-0737	5/15	9:56	Nitrate/Nitrite-N	0.45	mg/L	
W1157	72-0976	6/19	7:50	Nitrate/Nitrite-N	0.54	mg/L	
W1157	72-1145	7/24	10:06	Nitrate/Nitrite-N	0.24	mg/L	
W1157	72-1295	8/28	10:28	Nitrate/Nitrite-N	0.14	mg/L	
W1157	72-1453	10/2	10:42	Nitrate/Nitrite-N	0.10	mg/L	
W1157	72-0737	5/15	9:56	Ammonia-N	0.04	mg/L	
W1157	72-0976	6/19	7:50	Ammonia-N	0.04	mg/L	
W1157	72-1145	7/24	10:06	Ammonia-N	0.04	mg/L	
W1157	72-1295	8/28	10:28	Ammonia-N	<0.02	mg/L	
W1157	72-1453	10/2	10:42	Ammonia-N	<0.02	mg/L	
W1157	72-0737	5/15	9:56	Suspended Solids	4.1	mg/L	
W1157	72-0976	6/19	7:50	Suspended Solids	4.3	mg/L	
W1157	72-1145	7/24	10:06	Suspended Solids	2.4	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1157	72-1295	8/28	10:28	Suspended Solids	1.6	mg/L	
W1157	72-1453	10/2	10:42	Suspended Solids	1.5	mg/L	
W1157	72-0737	5/15	9:56	<i>E. coli</i>	48	CFU/100mL	
W1157	72-0976	6/19	7:50	<i>E. coli</i>	270	CFU/100mL	
W1157	72-1145	7/24	10:06	<i>E. coli</i>	71	CFU/100mL	
W1157	72-1295	8/28	10:28	<i>E. coli</i>	100	CFU/100mL	
W1157	72-1453	10/2	10:42	<i>E. coli</i>	38	CFU/100mL	
W1157	72-0737	5/15	9:56	Apparent Color	37	PCU	
W1157	72-0976	6/19	7:50	Apparent Color	43	PCU	
W1157	72-1145	7/24	10:06	Apparent Color	38	PCU	
W1157	72-1295	8/28	10:28	Apparent Color	18	PCU	
W1157	72-1453	10/2	10:42	Apparent Color	18	PCU	
W1157	72-0737	5/15	9:56	True Color	30	PCU	
W1157	72-0976	6/19	7:50	True Color	26	PCU	
W1157	72-1145	7/24	10:06	True Color	30	PCU	
W1157	72-1295	8/28	10:28	True Color	<15	PCU	
W1157	72-1453	10/2	10:42	True Color	<15	PCU	
W1157	72-0737	5/15	9:56	Turbidity	2.1	NTU	
W1157	72-0976	6/19	7:50	Turbidity	3.6	NTU	d
W1157	72-1145	7/24	10:06	Turbidity	1.9	NTU	b
W1157	72-1295	8/28	10:28	Turbidity	1.9	NTU	
W1157	72-1453	10/2	10:42	Turbidity	1.3	NTU	
W1157	72-1158	8/9	14:04	Hardness	69	mg/L as CaCO3	
W1157	72-1308	8/30	12:08	Hardness	**	mg/L as CaCO3	
W1157	72-1319	9/6	12:15	Hardness	69	mg/L as CaCO3	
W1157	72-1466	10/4	10:15	Hardness	71	mg/L as CaCO3	
W1157	72-1158	8/9	14:04	Antimony - Dissolved	##	µg/L	b, d
W1157	72-1308	8/30	12:08	Antimony - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Antimony - Dissolved	##	µg/L	b, d
W1157	72-1466	10/4	10:15	Antimony - Dissolved	##	µg/L	b
W1157	72-1158	8/9	14:04	Aluminum - Dissolved	<40	µg/L	
W1157	72-1308	8/30	12:08	Aluminum - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Aluminum - Dissolved	<40	µg/L	
W1157	72-1466	10/4	10:15	Aluminum - Dissolved	<40	µg/L	
W1157	72-1158	8/9	14:04	Arsenic - Dissolved	0.61	µg/L	
W1157	72-1308	8/30	12:08	Arsenic - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Arsenic - Dissolved	0.52	µg/L	
W1157	72-1466	10/4	10:15	Arsenic - Dissolved	0.57	µg/L	
W1157	72-1158	8/9	14:04	Barium - Dissolved	45	µg/L	
W1157	72-1308	8/30	12:08	Barium - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Barium - Dissolved	42	µg/L	
W1157	72-1466	10/4	10:15	Barium - Dissolved	47	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1157	72-1158	8/9	14:04	Beryllium - Dissolved	0.65	µg/L	b, d, j
W1157	72-1308	8/30	12:08	Beryllium - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Beryllium - Dissolved	<0.20	µg/L	
W1157	72-1466	10/4	10:15	Beryllium - Dissolved	<0.20	µg/L	
W1157	72-1158	8/9	14:04	Cadmium - Dissolved	<0.13	µg/L	
W1157	72-1308	8/30	12:08	Cadmium - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Cadmium - Dissolved	<0.13	µg/L	
W1157	72-1466	10/4	10:15	Cadmium - Dissolved	<0.13	µg/L	
W1157	72-1158	8/9	14:04	Calcium - Dissolved	21	mg/L	
W1157	72-1308	8/30	12:08	Calcium - Dissolved	**	mg/L	
W1157	72-1319	9/6	12:15	Calcium - Dissolved	21	mg/L	
W1157	72-1466	10/4	10:15	Calcium - Dissolved	22	mg/L	b
W1157	72-1158	8/9	14:04	Chromium - Dissolved	1.0	µg/L	b
W1157	72-1308	8/30	12:08	Chromium - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Chromium - Dissolved	0.77	µg/L	
W1157	72-1466	10/4	10:15	Chromium - Dissolved	0.44	µg/L	
W1157	72-1158	8/9	14:04	Cobalt - Dissolved	<0.17	µg/L	
W1157	72-1308	8/30	12:08	Cobalt - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Cobalt - Dissolved	<0.17	µg/L	
W1157	72-1466	10/4	10:15	Cobalt - Dissolved	<0.17	µg/L	
W1157	72-1158	8/9	14:04	Copper - Dissolved	##	µg/L	b, j
W1157	72-1308	8/30	12:08	Copper - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Copper - Dissolved	1.6	µg/L	d
W1157	72-1466	10/4	10:15	Copper - Dissolved	1.6	µg/L	b
W1157	72-1158	8/9	14:04	Iron - Dissolved	140	µg/L	d
W1157	72-1308	8/30	12:08	Iron - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Iron - Dissolved	80	µg/L	
W1157	72-1466	10/4	10:15	Iron - Dissolved	49	µg/L	
W1157	72-1158	8/9	14:04	Lead - Dissolved	0.37	µg/L	
W1157	72-1308	8/30	12:08	Lead - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Lead - Dissolved	<0.14	µg/L	
W1157	72-1466	10/4	10:15	Lead - Dissolved	<0.14	µg/L	
W1157	72-1158	8/9	14:04	Magnesium - Dissolved	3.9	mg/L	
W1157	72-1308	8/30	12:08	Magnesium - Dissolved	**	mg/L	
W1157	72-1319	9/6	12:15	Magnesium - Dissolved	4.0	mg/L	
W1157	72-1466	10/4	10:15	Magnesium - Dissolved	4.2	mg/L	
W1157	72-1158	8/9	14:04	Manganese - Dissolved	170	µg/L	b
W1157	72-1308	8/30	12:08	Manganese - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Manganese - Dissolved	110	µg/L	b
W1157	72-1466	10/4	10:15	Manganese - Dissolved	140	µg/L	b
W1157	72-1158	8/9	14:04	Molybdenum - Dissolved	0.76	µg/L	
W1157	72-1308	8/30	12:08	Molybdenum - Dissolved	**	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1157	72-1319	9/6	12:15	Molybdenum - Dissolved	0.71	µg/L	b
W1157	72-1466	10/4	10:15	Molybdenum - Dissolved	0.94	µg/L	
W1157	72-1158	8/9	14:04	Nickel - Dissolved	1.2	µg/L	
W1157	72-1308	8/30	12:08	Nickel - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Nickel - Dissolved	0.85	µg/L	
W1157	72-1466	10/4	10:15	Nickel - Dissolved	1.3	µg/L	
W1157	72-1158	8/9	14:04	Selenium - Dissolved	<2.6	µg/L	
W1157	72-1308	8/30	12:08	Selenium - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Selenium - Dissolved	<2.6	µg/L	
W1157	72-1466	10/4	10:15	Selenium - Dissolved	<2.6	µg/L	
W1157	72-1158	8/9	14:04	Silver - Dissolved	<0.13	µg/L	
W1157	72-1308	8/30	12:08	Silver - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Silver - Dissolved	<0.13	µg/L	
W1157	72-1466	10/4	10:15	Silver - Dissolved	0.17	µg/L	
W1157	72-1158	8/9	14:04	Thallium - Dissolved	<0.16	µg/L	
W1157	72-1308	8/30	12:08	Thallium - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Thallium - Dissolved	<0.16	µg/L	
W1157	72-1466	10/4	10:15	Thallium - Dissolved	<0.16	µg/L	
W1157	72-1158	8/9	14:04	Vanadium - Dissolved	0.45	µg/L	
W1157	72-1308	8/30	12:08	Vanadium - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Vanadium - Dissolved	0.28	µg/L	
W1157	72-1466	10/4	10:15	Vanadium - Dissolved	<0.15	µg/L	
W1157	72-1158	8/9	14:04	Zinc - Dissolved	2.8	µg/L	b
W1157	72-1308	8/30	12:08	Zinc - Dissolved	**	µg/L	
W1157	72-1319	9/6	12:15	Zinc - Dissolved	0.71	µg/L	
W1157	72-1466	10/4	10:15	Zinc - Dissolved	1.1	µg/L	b
W0423	72-0705	5/15	10:00	Total Nitrogen	0.75	mg/L	
W0423	72-0955	6/19	8:20	Total Nitrogen	0.98	mg/L	
W0423	72-1125	7/24	9:55	Total Nitrogen	0.81	mg/L	
W0423	72-1433	10/2	10:27	Total Nitrogen	0.60	mg/L	r
W0423	72-0705	5/15	10:00	Total Phosphorus	0.051	mg/L	
W0423	72-0955	6/19	8:20	Total Phosphorus	0.10	mg/L	
W0423	72-1125	7/24	9:55	Total Phosphorus	0.095	mg/L	
W0423	72-1433	10/2	10:27	Total Phosphorus	0.064	mg/L	r
W0423	72-0705	5/15	10:00	Nitrate/Nitrite-N	0.20	mg/L	
W0423	72-0955	6/19	8:20	Nitrate/Nitrite-N	0.36	mg/L	
W0423	72-1125	7/24	9:55	Nitrate/Nitrite-N	0.20	mg/L	
W0423	72-1433	10/2	10:27	Nitrate/Nitrite-N	0.04	mg/L	r
W0423	72-0705	5/15	10:00	Ammonia-N	0.06	mg/L	
W0423	72-0955	6/19	8:20	Ammonia-N	0.09	mg/L	
W0423	72-1125	7/24	9:55	Ammonia-N	0.06	mg/L	
W0423	72-1433	10/2	10:27	Ammonia-N	0.15	mg/L	r

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W0423	72-0705	5/15	10:00	Suspended Solids	1.8	mg/L	
W0423	72-0955	6/19	8:20	Suspended Solids	3.4	mg/L	
W0423	72-1125	7/24	9:55	Suspended Solids	2.7	mg/L	d
W0423	72-1433	10/2	10:27	Suspended Solids	1.9	mg/L	r
W0423	72-0705	5/15	10:00	<i>E. coli</i>	130	CFU/100mL	
W0423	72-0955	6/19	8:20	<i>E. coli</i>	200	CFU/100mL	
W0423	72-1125	7/24	9:55	<i>E. coli</i>	200	CFU/100mL	
W0423	72-1433	10/2	10:27	<i>E. coli</i>	10	CFU/100mL	r
W0423	72-0705	5/15	10:00	Apparent Color	80	PCU	
W0423	72-0955	6/19	8:20	Apparent Color	<75	PCU	d, j
W0423	72-1125	7/24	9:55	Apparent Color	100	PCU	
W0423	72-1433	10/2	10:27	Apparent Color	48	PCU	r
W0423	72-0705	5/15	10:00	True Color	70	PCU	
W0423	72-0955	6/19	8:20	True Color	<75	PCU	d, j
W0423	72-1125	7/24	9:55	True Color	65	PCU	
W0423	72-1433	10/2	10:27	True Color	38	PCU	r
W0423	72-0705	5/15	10:00	Turbidity	1.8	NTU	d
W0423	72-0955	6/19	8:20	Turbidity	5.5	NTU	
W0423	72-1125	7/24	9:55	Turbidity	4.2	NTU	
W0423	72-1433	10/2	10:27	Turbidity	2.9	NTU	r
W1138	72-0723	5/15	10:10	Total Nitrogen	1.3	mg/L	
W1138	72-0966	6/19	10:15	Total Nitrogen	1.3	mg/L	
W1138	72-1136	7/24	9:45	Total Nitrogen	1.5	mg/L	
W1138	72-1286	8/28	10:30	Total Nitrogen	1.8	mg/L	
W1138	72-1444	10/2	10:04	Total Nitrogen	1.9	mg/L	
W1138	72-0723	5/15	10:10	Total Phosphorus	0.049	mg/L	
W1138	72-0966	6/19	10:15	Total Phosphorus	0.066	mg/L	
W1138	72-1136	7/24	9:45	Total Phosphorus	0.027	mg/L	
W1138	72-1286	8/28	10:30	Total Phosphorus	0.082	mg/L	
W1138	72-1444	10/2	10:04	Total Phosphorus	0.026	mg/L	
W1138	72-0723	5/15	10:10	Nitrate/Nitrite-N	0.68	mg/L	
W1138	72-0966	6/19	10:15	Nitrate/Nitrite-N	0.76	mg/L	
W1138	72-1136	7/24	9:45	Nitrate/Nitrite-N	1.1	mg/L	
W1138	72-1286	8/28	10:30	Nitrate/Nitrite-N	0.68	mg/L	
W1138	72-1444	10/2	10:04	Nitrate/Nitrite-N	1.4	mg/L	
W1138	72-0723	5/15	10:10	Ammonia-N	0.10	mg/L	
W1138	72-0966	6/19	10:15	Ammonia-N	0.03	mg/L	
W1138	72-1136	7/24	9:45	Ammonia-N	<0.02	mg/L	
W1138	72-1286	8/28	10:30	Ammonia-N	0.38	mg/L	
W1138	72-1444	10/2	10:04	Ammonia-N	<0.02	mg/L	
W1138	72-0723	5/15	10:10	Suspended Solids	2.9	mg/L	
W1138	72-0966	6/19	10:15	Suspended Solids	190	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1138	72-1136	7/24	9:45	Suspended Solids	<1.0	mg/L	
W1138	72-1286	8/28	10:30	Suspended Solids	14	mg/L	
W1138	72-1444	10/2	10:04	Suspended Solids	3.9	mg/L	
W1138	72-0723	5/15	10:10	<i>E. coli</i>	19	CFU/100mL	
W1138	72-0966	6/19	10:15	<i>E. coli</i>	38	CFU/100mL	
W1138	72-1136	7/24	9:45	<i>E. coli</i>	130	CFU/100mL	
W1138	72-1286	8/28	10:30	<i>E. coli</i>	<5	CFU/100mL	
W1138	72-1444	10/2	10:04	<i>E. coli</i>	38	CFU/100mL	
W1138	72-0723	5/15	10:10	Apparent Color	55	PCU	
W1138	72-0966	6/19	10:15	Apparent Color	65	PCU	
W1138	72-1136	7/24	9:45	Apparent Color	49	PCU	
W1138	72-1286	8/28	10:30	Apparent Color	33	PCU	
W1138	72-1444	10/2	10:04	Apparent Color	18	PCU	
W1138	72-0723	5/15	10:10	True Color	49	PCU	
W1138	72-0966	6/19	10:15	True Color	50	PCU	
W1138	72-1136	7/24	9:45	True Color	40	PCU	
W1138	72-1286	8/28	10:30	True Color	33	PCU	
W1138	72-1444	10/2	10:04	True Color	18	PCU	
W1138	72-0723	5/15	10:10	Turbidity	2.1	NTU	b
W1138	72-0966	6/19	10:15	Turbidity	3.5	NTU	
W1138	72-1136	7/24	9:45	Turbidity	1.6	NTU	
W1138	72-1286	8/28	10:30	Turbidity	1.5	NTU	
W1138	72-1444	10/2	10:04	Turbidity	2.1	NTU	
W1138	72-0966	6/19	10:15	Hardness	58	mg/L	
W1138	72-1136	7/24	9:45	Hardness	64	mg/L	
W1138	72-1286	8/28	10:30	Hardness	80	mg/L	
W1156	72-0739	5/15	10:13	Total Nitrogen	0.60	mg/L	
W1156	72-0977	6/19	8:12	Total Nitrogen	0.74	mg/L	
W1156	72-1146	7/24	10:23	Total Nitrogen	1.7	mg/L	
W1156	72-1296	8/28	10:48	Total Nitrogen	2.0	mg/L	
W1156	72-1454	10/2	11:06	Total Nitrogen	1.8	mg/L	
W1156	72-0739	5/15	10:13	Total Phosphorus	0.032	mg/L	
W1156	72-0977	6/19	8:12	Total Phosphorus	0.051	mg/L	
W1156	72-1146	7/24	10:23	Total Phosphorus	0.33	mg/L	d
W1156	72-1296	8/28	10:48	Total Phosphorus	0.018	mg/L	
W1156	72-1454	10/2	11:06	Total Phosphorus	0.030	mg/L	
W1156	72-0739	5/15	10:13	Nitrate/Nitrite-N	0.15	mg/L	
W1156	72-0977	6/19	8:12	Nitrate/Nitrite-N	0.21	mg/L	
W1156	72-1146	7/24	10:23	Nitrate/Nitrite-N	0.47	mg/L	
W1156	72-1296	8/28	10:48	Nitrate/Nitrite-N	1.7	mg/L	
W1156	72-1454	10/2	11:06	Nitrate/Nitrite-N	1.5	mg/L	
W1156	72-0739	5/15	10:13	Ammonia-N	0.05	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1156	72-0977	6/19	8:12	Ammonia-N	0.09	mg/L	
W1156	72-1146	7/24	10:23	Ammonia-N	0.04	mg/L	
W1156	72-1296	8/28	10:48	Ammonia-N	0.04	mg/L	
W1156	72-1454	10/2	11:06	Ammonia-N	0.02	mg/L	
W1156	72-0739	5/15	10:13	Suspended Solids	1.5	mg/L	d
W1156	72-0977	6/19	8:12	Suspended Solids	1.9	mg/L	
W1156	72-1146	7/24	10:23	Suspended Solids	2.6	mg/L	
W1156	72-1296	8/28	10:48	Suspended Solids	1.6	mg/L	
W1156	72-1454	10/2	11:06	Suspended Solids	4.1	mg/L	
W1156	72-0739	5/15	10:13	<i>E. coli</i>	14	CFU/100mL	d
W1156	72-0977	6/19	8:12	<i>E. coli</i>	170	CFU/100mL	
W1156	72-1146	7/24	10:23	<i>E. coli</i>	100	CFU/100mL	
W1156	72-1296	8/28	10:48	<i>E. coli</i>	260	CFU/100mL	
W1156	72-1454	10/2	11:06	<i>E. coli</i>	100	CFU/100mL	
W1156	72-0739	5/15	10:13	Apparent Color	31	PCU	
W1156	72-0977	6/19	8:12	Apparent Color	49	PCU	
W1156	72-1146	7/24	10:23	Apparent Color	43	PCU	
W1156	72-1296	8/28	10:48	Apparent Color	20	PCU	
W1156	72-1454	10/2	11:06	Apparent Color	23	PCU	
W1156	72-0739	5/15	10:13	True Color	25	PCU	
W1156	72-0977	6/19	8:12	True Color	27	PCU	
W1156	72-1146	7/24	10:23	True Color	30	PCU	
W1156	72-1296	8/28	10:48	True Color	<15	PCU	
W1156	72-1454	10/2	11:06	True Color	<15	PCU	
W1156	72-0739	5/15	10:13	Turbidity	2.5	NTU	d
W1156	72-0977	6/19	8:12	Turbidity	2.3	NTU	d
W1156	72-1146	7/24	10:23	Turbidity	3.9	NTU	b
W1156	72-1296	8/28	10:48	Turbidity	2.4	NTU	
W1156	72-1454	10/2	11:06	Turbidity	5.0	NTU	
W1135	72-0683	5/15	10:20	Total Nitrogen	3.0	mg/L	
W1135	72-0943	6/19	9:26	Total Nitrogen	4.0	mg/L	
W1135	72-1113	7/24	9:36	Total Nitrogen	4.3	mg/L	
W1135	72-1263	8/28	9:30	Total Nitrogen	6.8	mg/L	
W1135	72-1421	10/2	9:26	Total Nitrogen	8.1	mg/L	h
W1135	72-0683	5/15	10:20	Total Phosphorus	0.036	mg/L	
W1135	72-0943	6/19	9:26	Total Phosphorus	0.044	mg/L	
W1135	72-1113	7/24	9:36	Total Phosphorus	0.034	mg/L	
W1135	72-1263	8/28	9:30	Total Phosphorus	0.026	mg/L	
W1135	72-1421	10/2	9:26	Total Phosphorus	0.024	mg/L	h
W1135	72-0683	5/15	10:20	Nitrate/Nitrite-N	2.3	mg/L	
W1135	72-0943	6/19	9:26	Nitrate/Nitrite-N	3.0	mg/L	
W1135	72-1113	7/24	9:36	Nitrate/Nitrite-N	3.1	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1135	72-1263	8/28	9:30	Nitrate/Nitrite-N	6.1	mg/L	
W1135	72-1421	10/2	9:26	Nitrate/Nitrite-N	7.5	mg/L	
W1135	72-0683	5/15	10:20	Ammonia-N	0.09	mg/L	
W1135	72-0943	6/19	9:26	Ammonia-N	0.08	mg/L	
W1135	72-1113	7/24	9:36	Ammonia-N	0.04	mg/L	
W1135	72-1263	8/28	9:30	Ammonia-N	0.04	mg/L	
W1135	72-1421	10/2	9:26	Ammonia-N	0.02	mg/L	
W1135	72-0683	5/15	10:20	Suspended Solids	4.3	mg/L	
W1135	72-0943	6/19	9:26	Suspended Solids	##	mg/L	b
W1135	72-1113	7/24	9:36	Suspended Solids	##	mg/L	b
W1135	72-1263	8/28	9:30	Suspended Solids	3.7	mg/L	
W1135	72-1421	10/2	9:26	Suspended Solids	4.7	mg/L	d
W1135	72-0683	5/15	10:20	<i>E. coli</i>	24	CFU/100mL	
W1135	72-0943	6/19	9:26	<i>E. coli</i>	81	CFU/100mL	
W1135	72-1113	7/24	9:36	<i>E. coli</i>	67	CFU/100mL	
W1135	72-1263	8/28	9:30	<i>E. coli</i>	100	CFU/100mL	
W1135	72-1421	10/2	9:26	<i>E. coli</i>	52	CFU/100mL	
W1135	72-0683	5/15	10:20	Apparent Color	38	PCU	
W1135	72-0943	6/19	9:26	Apparent Color	43	PCU	d
W1135	72-1113	7/24	9:36	Apparent Color	42	PCU	
W1135	72-1263	8/28	9:30	Apparent Color	21	PCU	
W1135	72-1421	10/2	9:26	Apparent Color	20	PCU	
W1135	72-0683	5/15	10:20	True Color	26	PCU	d
W1135	72-0943	6/19	9:26	True Color	34	PCU	
W1135	72-1113	7/24	9:36	True Color	31	PCU	
W1135	72-1263	8/28	9:30	True Color	20	PCU	
W1135	72-1421	10/2	9:26	True Color	17	PCU	
W1135	72-0683	5/15	10:20	Turbidity	3.0	NTU	b
W1135	72-0943	6/19	9:26	Turbidity	##	NTU	b
W1135	72-1113	7/24	9:36	Turbidity	3.4	NTU	
W1135	72-1263	8/28	9:30	Turbidity	2.7	NTU	b
W1135	72-1421	10/2	9:26	Turbidity	3.3	NTU	
W1135	72-0943	6/19	9:26	Hardness	78	mg/L	
W1135	72-1113	7/24	9:36	Hardness	75	mg/L	
W1135	72-1151	8/9	11:14	Hardness	76	mg/L as CaCO3	
W1135	72-1263	8/28	9:30	Hardness	95	mg/L	
W1135	72-1301	8/30	9:20	Hardness	91	mg/L as CaCO3	
W1135	72-1459	10/4	7:45	Hardness	110	mg/L as CaCO3	
W1135	72-1151	8/9	11:14	Antimony - Dissolved	##	µg/L	b, d
W1135	72-1301	8/30	9:20	Antimony - Dissolved	0.28	µg/L	
W1135	72-1459	10/4	7:45	Antimony - Dissolved	##	µg/L	b
W1135	72-1151	8/9	11:14	Aluminum - Dissolved	<40	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1135	72-1301	8/30	9:20	Aluminum - Dissolved	<40	µg/L	
W1135	72-1459	10/4	7:45	Aluminum - Dissolved	<40	µg/L	
W1135	72-1151	8/9	11:14	Arsenic - Dissolved	<0.51	µg/L	
W1135	72-1301	8/30	9:20	Arsenic - Dissolved	<0.51	µg/L	
W1135	72-1459	10/4	7:45	Arsenic - Dissolved	<0.51	µg/L	
W1135	72-1151	8/9	11:14	Barium - Dissolved	74	µg/L	
W1135	72-1301	8/30	9:20	Barium - Dissolved	75	µg/L	
W1135	72-1459	10/4	7:45	Barium - Dissolved	87	µg/L	
W1135	72-1151	8/9	11:14	Beryllium - Dissolved	0.78	µg/L	b, d, j
W1135	72-1301	8/30	9:20	Beryllium - Dissolved	<0.20	µg/L	
W1135	72-1459	10/4	7:45	Beryllium - Dissolved	<0.20	µg/L	
W1135	72-1151	8/9	11:14	Cadmium - Dissolved	<0.13	µg/L	
W1135	72-1301	8/30	9:20	Cadmium - Dissolved	<0.13	µg/L	
W1135	72-1459	10/4	7:45	Cadmium - Dissolved	<0.13	µg/L	
W1135	72-1151	8/9	11:14	Calcium - Dissolved	22	mg/L	
W1135	72-1301	8/30	9:20	Calcium - Dissolved	27	mg/L	
W1135	72-1459	10/4	7:45	Calcium - Dissolved	32	mg/L	b
W1135	72-1151	8/9	11:14	Chromium - Dissolved	1.4	µg/L	b
W1135	72-1301	8/30	9:20	Chromium - Dissolved	1.4	µg/L	
W1135	72-1459	10/4	7:45	Chromium - Dissolved	0.74	µg/L	
W1135	72-1151	8/9	11:14	Cobalt - Dissolved	0.39	µg/L	
W1135	72-1301	8/30	9:20	Cobalt - Dissolved	0.41	µg/L	
W1135	72-1459	10/4	7:45	Cobalt - Dissolved	0.43	µg/L	
W1135	72-1151	8/9	11:14	Copper - Dissolved	##	µg/L	b, j
W1135	72-1301	8/30	9:20	Copper - Dissolved	4.1	µg/L	
W1135	72-1459	10/4	7:45	Copper - Dissolved	3.6	µg/L	b
W1135	72-1151	8/9	11:14	Iron - Dissolved	46	µg/L	d
W1135	72-1301	8/30	9:20	Iron - Dissolved	<30	µg/L	
W1135	72-1459	10/4	7:45	Iron - Dissolved	37	µg/L	
W1135	72-1151	8/9	11:14	Lead - Dissolved	0.32	µg/L	
W1135	72-1301	8/30	9:20	Lead - Dissolved	0.20	µg/L	
W1135	72-1459	10/4	7:45	Lead - Dissolved	0.29	µg/L	
W1135	72-1151	8/9	11:14	Magnesium - Dissolved	4.8	mg/L	
W1135	72-1301	8/30	9:20	Magnesium - Dissolved	6.0	mg/L	
W1135	72-1459	10/4	7:45	Magnesium - Dissolved	6.7	mg/L	
W1135	72-1151	8/9	11:14	Manganese - Dissolved	37	µg/L	b
W1135	72-1301	8/30	9:20	Manganese - Dissolved	31	µg/L	
W1135	72-1459	10/4	7:45	Manganese - Dissolved	30	µg/L	b
W1135	72-1151	8/9	11:14	Molybdenum - Dissolved	12	µg/L	
W1135	72-1301	8/30	9:20	Molybdenum - Dissolved	16	µg/L	
W1135	72-1459	10/4	7:45	Molybdenum - Dissolved	14	µg/L	
W1135	72-1151	8/9	11:14	Nickel - Dissolved	2.5	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1135	72-1301	8/30	9:20	Nickel - Dissolved	2.6	µg/L	
W1135	72-1459	10/4	7:45	Nickel - Dissolved	2.8	µg/L	
W1135	72-1151	8/9	11:14	Selenium - Dissolved	<2.6	µg/L	
W1135	72-1301	8/30	9:20	Selenium - Dissolved	<2.6	µg/L	
W1135	72-1459	10/4	7:45	Selenium - Dissolved	<2.6	µg/L	
W1135	72-1151	8/9	11:14	Silver - Dissolved	<0.13	µg/L	
W1135	72-1301	8/30	9:20	Silver - Dissolved	0.30	µg/L	
W1135	72-1459	10/4	7:45	Silver - Dissolved	<0.13	µg/L	
W1135	72-1151	8/9	11:14	Thallium - Dissolved	<0.16	µg/L	
W1135	72-1301	8/30	9:20	Thallium - Dissolved	<0.16	µg/L	
W1135	72-1459	10/4	7:45	Thallium - Dissolved	<0.16	µg/L	
W1135	72-1151	8/9	11:14	Vanadium - Dissolved	0.73	µg/L	
W1135	72-1301	8/30	9:20	Vanadium - Dissolved	0.71	µg/L	
W1135	72-1459	10/4	7:45	Vanadium - Dissolved	0.46	µg/L	
W1135	72-1151	8/9	11:14	Zinc - Dissolved	7.3	µg/L	b
W1135	72-1301	8/30	9:20	Zinc - Dissolved	8.5	µg/L	
W1135	72-1459	10/4	7:45	Zinc - Dissolved	12	µg/L	b
W0416	72-0707	5/15	10:20	Total Nitrogen	0.72	mg/L	
W0416	72-0956	6/19	8:35	Total Nitrogen	0.98	mg/L	
W0416	72-1126	7/24	10:13	Total Nitrogen	1.1	mg/L	
W0416	72-1276	8/28	11:02	Total Nitrogen	0.74	mg/L	
W0416	72-1434	10/2	11:02	Total Nitrogen	##	mg/L	r
W0416	72-0707	5/15	10:20	Total Phosphorus	0.053	mg/L	
W0416	72-0956	6/19	8:35	Total Phosphorus	0.091	mg/L	
W0416	72-1126	7/24	10:13	Total Phosphorus	0.13	mg/L	
W0416	72-1276	8/28	11:02	Total Phosphorus	0.12	mg/L	
W0416	72-1434	10/2	11:02	Total Phosphorus	##	mg/L	r
W0416	72-0707	5/15	10:20	Nitrate/Nitrite-N	0.18	mg/L	
W0416	72-0956	6/19	8:35	Nitrate/Nitrite-N	0.35	mg/L	
W0416	72-1126	7/24	10:13	Nitrate/Nitrite-N	0.63	mg/L	
W0416	72-1276	8/28	11:02	Nitrate/Nitrite-N	0.42	mg/L	
W0416	72-1434	10/2	11:02	Nitrate/Nitrite-N	##	mg/L	r
W0416	72-0707	5/15	10:20	Ammonia-N	0.07	mg/L	
W0416	72-0956	6/19	8:35	Ammonia-N	0.13	mg/L	
W0416	72-1126	7/24	10:13	Ammonia-N	0.05	mg/L	
W0416	72-1276	8/28	11:02	Ammonia-N	0.05	mg/L	
W0416	72-1434	10/2	11:02	Ammonia-N	##	mg/L	r
W0416	72-0707	5/15	10:20	Suspended Solids	4.1	mg/L	
W0416	72-0956	6/19	8:35	Suspended Solids	4.8	mg/L	
W0416	72-1126	7/24	10:13	Suspended Solids	##	mg/L	d
W0416	72-1276	8/28	11:02	Suspended Solids	##	mg/L	d
W0416	72-1434	10/2	11:02	Suspended Solids	##	mg/L	d, r

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W0416	72-0707	5/15	10:20	<i>E. coli</i>	14	CFU/100mL	d
W0416	72-0956	6/19	8:35	<i>E. coli</i>	170	CFU/100mL	
W0416	72-1126	7/24	10:13	<i>E. coli</i>	250	CFU/100mL	
W0416	72-1276	8/28	11:02	<i>E. coli</i>	250	CFU/100mL	
W0416	72-1434	10/2	11:02	<i>E. coli</i>	##	CFU/100mL	r
W0416	72-0707	5/15	10:20	Apparent Color	110	PCU	
W0416	72-0956	6/19	8:35	Apparent Color	##	PCU	d, j
W0416	72-1126	7/24	10:13	Apparent Color	150	PCU	
W0416	72-1276	8/28	11:02	Apparent Color	70	PCU	
W0416	72-1434	10/2	11:02	Apparent Color	##	PCU	r
W0416	72-0707	5/15	10:20	True Color	100	PCU	
W0416	72-0956	6/19	8:35	True Color	##	PCU	d, j
W0416	72-1126	7/24	10:13	True Color	130	PCU	
W0416	72-1276	8/28	11:02	True Color	55	PCU	
W0416	72-1434	10/2	11:02	True Color	##	PCU	r
W0416	72-0707	5/15	10:20	Turbidity	##	NTU	d
W0416	72-0956	6/19	8:35	Turbidity	6.2	NTU	
W0416	72-1126	7/24	10:13	Turbidity	7.1	NTU	
W0416	72-1276	8/28	11:02	Turbidity	7.8	NTU	
W0416	72-1434	10/2	11:02	Turbidity	##	NTU	r
W0416	72-0956	6/19	8:35	Hardness	44	mg/L	
W0416	72-1126	7/24	10:13	Hardness	47	mg/L	
W0416	72-1276	8/28	11:02	Hardness	55	mg/L	
W1139	72-0743	5/15	10:27	Total Nitrogen	1.1	mg/L	
W1139	72-0978	6/19	8:32	Total Nitrogen	1.1	mg/L	
W1139	72-1147	7/24	10:36	Total Nitrogen	0.84	mg/L	
W1139	72-1297	8/28	11:04	Total Nitrogen	0.59	mg/L	
W1139	72-1455	10/2	11:20	Total Nitrogen	0.51	mg/L	
W1139	72-0743	5/15	10:27	Total Phosphorus	0.044	mg/L	
W1139	72-0978	6/19	8:32	Total Phosphorus	0.070	mg/L	
W1139	72-1147	7/24	10:36	Total Phosphorus	0.037	mg/L	d
W1139	72-1297	8/28	11:04	Total Phosphorus	0.032	mg/L	
W1139	72-1455	10/2	11:20	Total Phosphorus	0.026	mg/L	
W1139	72-0743	5/15	10:27	Nitrate/Nitrite-N	0.53	mg/L	
W1139	72-0978	6/19	8:32	Nitrate/Nitrite-N	0.54	mg/L	
W1139	72-1147	7/24	10:36	Nitrate/Nitrite-N	0.28	mg/L	
W1139	72-1297	8/28	11:04	Nitrate/Nitrite-N	0.14	mg/L	
W1139	72-1455	10/2	11:20	Nitrate/Nitrite-N	0.08	mg/L	
W1139	72-0743	5/15	10:27	Ammonia-N	0.03	mg/L	
W1139	72-0978	6/19	8:32	Ammonia-N	0.03	mg/L	
W1139	72-1147	7/24	10:36	Ammonia-N	0.08	mg/L	
W1139	72-1297	8/28	11:04	Ammonia-N	0.04	mg/L	

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W1139	72-1455	10/2	11:20	Ammonia-N	<0.02	mg/L	
W1139	72-0743	5/15	10:27	Suspended Solids	5.7	mg/L	
W1139	72-0978	6/19	8:32	Suspended Solids	3.6	mg/L	
W1139	72-1147	7/24	10:36	Suspended Solids	2.0	mg/L	
W1139	72-1297	8/28	11:04	Suspended Solids	1.2	mg/L	
W1139	72-1455	10/2	11:20	Suspended Solids	1.3	mg/L	
W1139	72-0743	5/15	10:27	<i>E. coli</i>	43	CFU/100mL	
W1139	72-0978	6/19	8:32	<i>E. coli</i>	200	CFU/100mL	
W1139	72-1147	7/24	10:36	<i>E. coli</i>	370	CFU/100mL	
W1139	72-1297	8/28	11:04	<i>E. coli</i>	430	CFU/100mL	
W1139	72-1455	10/2	11:20	<i>E. coli</i>	110	CFU/100mL	
W1139	72-0743	5/15	10:27	Apparent Color	41	PCU	
W1139	72-0978	6/19	8:32	Apparent Color	70	PCU	
W1139	72-1147	7/24	10:36	Apparent Color	44	PCU	
W1139	72-1297	8/28	11:04	Apparent Color	35	PCU	
W1139	72-1455	10/2	11:20	Apparent Color	25	PCU	
W1139	72-0743	5/15	10:27	True Color	33	PCU	
W1139	72-0978	6/19	8:32	True Color	49	PCU	
W1139	72-1147	7/24	10:36	True Color	40	PCU	
W1139	72-1297	8/28	11:04	True Color	25	PCU	
W1139	72-1455	10/2	11:20	True Color	20	PCU	
W1139	72-0743	5/15	10:27	Turbidity	4.2	NTU	
W1139	72-0978	6/19	8:32	Turbidity	3.4	NTU	d
W1139	72-1147	7/24	10:36	Turbidity	1.8	NTU	b
W1139	72-1297	8/28	11:04	Turbidity	1.8	NTU	
W1139	72-1455	10/2	11:20	Turbidity	1.8	NTU	
W1139	72-0978	6/19	8:32	Hardness	62	mg/L	
W1139	72-1147	7/24	10:36	Hardness	80	mg/L	
W1139	72-1297	8/28	11:04	Hardness	80	mg/L	
W0409	72-0727	5/15	10:50	Total Nitrogen	1.6	mg/L	
W0409	72-0968	6/19	10:50	Total Nitrogen	1.7	mg/L	
W0409	72-1138	7/24	10:32	Total Nitrogen	1.6	mg/L	
W0409	72-1288	8/28	11:30	Total Nitrogen	1.3	mg/L	
W0409	72-1446	10/2	11:01	Total Nitrogen	1.3	mg/L	
W0409	72-0727	5/15	10:50	Total Phosphorus	0.039	mg/L	
W0409	72-0968	6/19	10:50	Total Phosphorus	0.079	mg/L	
W0409	72-1138	7/24	10:32	Total Phosphorus	0.047	mg/L	
W0409	72-1288	8/28	11:30	Total Phosphorus	0.039	mg/L	
W0409	72-1446	10/2	11:01	Total Phosphorus	0.026	mg/L	
W0409	72-0727	5/15	10:50	Nitrate/Nitrite-N	1.0	mg/L	
W0409	72-0968	6/19	10:50	Nitrate/Nitrite-N	1.1	mg/L	
W0409	72-1138	7/24	10:32	Nitrate/Nitrite-N	1.3	mg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W0409	72-1288	8/28	11:30	Nitrate/Nitrite-N	1.1	mg/L	
W0409	72-1446	10/2	11:01	Nitrate/Nitrite-N	1.0	mg/L	
W0409	72-0727	5/15	10:50	Ammonia-N	0.06	mg/L	
W0409	72-0968	6/19	10:50	Ammonia-N	0.07	mg/L	
W0409	72-1138	7/24	10:32	Ammonia-N	0.03	mg/L	
W0409	72-1288	8/28	11:30	Ammonia-N	<0.02	mg/L	
W0409	72-1446	10/2	11:01	Ammonia-N	<0.02	mg/L	
W0409	72-0727	5/15	10:50	Suspended Solids	1.5	mg/L	
W0409	72-0968	6/19	10:50	Suspended Solids	2.3	mg/L	
W0409	72-1138	7/24	10:32	Suspended Solids	1.2	mg/L	
W0409	72-1288	8/28	11:30	Suspended Solids	<1.0	mg/L	
W0409	72-1446	10/2	11:01	Suspended Solids	<1.0	mg/L	
W0409	72-0727	5/15	10:50	<i>E. coli</i>	400	CFU/100mL	
W0409	72-0968	6/19	10:50	<i>E. coli</i>	3100	CFU/100mL	
W0409	72-1138	7/24	10:32	<i>E. coli</i>	3400	CFU/100mL	
W0409	72-1288	8/28	11:30	<i>E. coli</i>	6000	CFU/100mL	
W0409	72-1446	10/2	11:01	<i>E. coli</i>	400	CFU/100mL	
W0409	72-0727	5/15	10:50	Apparent Color	70	PCU	
W0409	72-0968	6/19	10:50	Apparent Color	80	PCU	
W0409	72-1138	7/24	10:32	Apparent Color	44	PCU	
W0409	72-1288	8/28	11:30	Apparent Color	17	PCU	
W0409	72-1446	10/2	11:01	Apparent Color	<15	PCU	
W0409	72-0727	5/15	10:50	True Color	65	PCU	
W0409	72-0968	6/19	10:50	True Color	<75	PCU	j
W0409	72-1138	7/24	10:32	True Color	30	PCU	
W0409	72-1288	8/28	11:30	True Color	17	PCU	
W0409	72-1446	10/2	11:01	True Color	<15	PCU	
W0409	72-0727	5/15	10:50	Turbidity	1.7	NTU	b
W0409	72-0968	6/19	10:50	Turbidity	5.4	NTU	
W0409	72-1138	7/24	10:32	Turbidity	2.4	NTU	
W0409	72-1288	8/28	11:30	Turbidity	1.2	NTU	
W0409	72-1446	10/2	11:01	Turbidity	0.6	NTU	
W0409	72-1157	8/9	13:32	Hardness	100	mg/L as CaCO3	
W0409	72-1307	8/30	11:30	Hardness	120	mg/L as CaCO3	
W0409	72-1465	10/4	9:45	Hardness	130	mg/L as CaCO3	
W0409	72-1157	8/9	13:32	Antimony - Dissolved	##	µg/L	b, d
W0409	72-1307	8/30	11:30	Antimony - Dissolved	0.16	µg/L	
W0409	72-1465	10/4	9:45	Antimony - Dissolved	##	µg/L	b
W0409	72-1157	8/9	13:32	Aluminum - Dissolved	<40	µg/L	
W0409	72-1307	8/30	11:30	Aluminum - Dissolved	<40	µg/L	
W0409	72-1465	10/4	9:45	Aluminum - Dissolved	<40	µg/L	
W0409	72-1157	8/9	13:32	Arsenic - Dissolved	0.86	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W0409	72-1307	8/30	11:30	Arsenic - Dissolved	0.53	µg/L	
W0409	72-1465	10/4	9:45	Arsenic - Dissolved	0.59	µg/L	
W0409	72-1157	8/9	13:32	Barium - Dissolved	64	µg/L	
W0409	72-1307	8/30	11:30	Barium - Dissolved	66	µg/L	
W0409	72-1465	10/4	9:45	Barium - Dissolved	68	µg/L	
W0409	72-1157	8/9	13:32	Beryllium - Dissolved	<0.20	µg/L	d, j
W0409	72-1307	8/30	11:30	Beryllium - Dissolved	<0.20	µg/L	
W0409	72-1465	10/4	9:45	Beryllium - Dissolved	<0.20	µg/L	
W0409	72-1157	8/9	13:32	Cadmium - Dissolved	<0.13	µg/L	
W0409	72-1307	8/30	11:30	Cadmium - Dissolved	<0.13	µg/L	
W0409	72-1465	10/4	9:45	Cadmium - Dissolved	<0.13	µg/L	
W0409	72-1157	8/9	13:32	Calcium - Dissolved	31	mg/L	
W0409	72-1307	8/30	11:30	Calcium - Dissolved	37	mg/L	
W0409	72-1465	10/4	9:45	Calcium - Dissolved	38	mg/L	b
W0409	72-1157	8/9	13:32	Chromium - Dissolved	1.9	µg/L	b
W0409	72-1307	8/30	11:30	Chromium - Dissolved	2.0	µg/L	
W0409	72-1465	10/4	9:45	Chromium - Dissolved	0.81	µg/L	
W0409	72-1157	8/9	13:32	Cobalt - Dissolved	<0.17	µg/L	
W0409	72-1307	8/30	11:30	Cobalt - Dissolved	<0.17	µg/L	
W0409	72-1465	10/4	9:45	Cobalt - Dissolved	<0.17	µg/L	
W0409	72-1157	8/9	13:32	Copper - Dissolved	##	µg/L	b, j
W0409	72-1307	8/30	11:30	Copper - Dissolved	2.5	µg/L	
W0409	72-1465	10/4	9:45	Copper - Dissolved	2.4	µg/L	b
W0409	72-1157	8/9	13:32	Iron - Dissolved	170	µg/L	d
W0409	72-1307	8/30	11:30	Iron - Dissolved	<30	µg/L	
W0409	72-1465	10/4	9:45	Iron - Dissolved	<30	µg/L	
W0409	72-1157	8/9	13:32	Lead - Dissolved	0.63	µg/L	
W0409	72-1307	8/30	11:30	Lead - Dissolved	<0.14	µg/L	
W0409	72-1465	10/4	9:45	Lead - Dissolved	<0.14	µg/L	
W0409	72-1157	8/9	13:32	Magnesium - Dissolved	6.3	mg/L	
W0409	72-1307	8/30	11:30	Magnesium - Dissolved	7.6	mg/L	
W0409	72-1465	10/4	9:45	Magnesium - Dissolved	7.9	mg/L	
W0409	72-1157	8/9	13:32	Manganese - Dissolved	30	µg/L	b
W0409	72-1307	8/30	11:30	Manganese - Dissolved	24	µg/L	
W0409	72-1465	10/4	9:45	Manganese - Dissolved	19	µg/L	b
W0409	72-1157	8/9	13:32	Molybdenum - Dissolved	0.58	µg/L	
W0409	72-1307	8/30	11:30	Molybdenum - Dissolved	0.54	µg/L	b
W0409	72-1465	10/4	9:45	Molybdenum - Dissolved	0.44	µg/L	
W0409	72-1157	8/9	13:32	Nickel - Dissolved	1.3	µg/L	
W0409	72-1307	8/30	11:30	Nickel - Dissolved	1.0	µg/L	
W0409	72-1465	10/4	9:45	Nickel - Dissolved	1.6	µg/L	
W0409	72-1157	8/9	13:32	Selenium - Dissolved	<2.6	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W0409	72-1307	8/30	11:30	Selenium - Dissolved	<2.6	µg/L	
W0409	72-1465	10/4	9:45	Selenium - Dissolved	<2.6	µg/L	
W0409	72-1157	8/9	13:32	Silver - Dissolved	<0.13	µg/L	
W0409	72-1307	8/30	11:30	Silver - Dissolved	<0.13	µg/L	
W0409	72-1465	10/4	9:45	Silver - Dissolved	<0.13	µg/L	
W0409	72-1157	8/9	13:32	Thallium - Dissolved	<0.16	µg/L	
W0409	72-1307	8/30	11:30	Thallium - Dissolved	<0.16	µg/L	
W0409	72-1465	10/4	9:45	Thallium - Dissolved	<0.16	µg/L	
W0409	72-1157	8/9	13:32	Vanadium - Dissolved	0.92	µg/L	
W0409	72-1307	8/30	11:30	Vanadium - Dissolved	0.76	µg/L	
W0409	72-1465	10/4	9:45	Vanadium - Dissolved	0.38	µg/L	
W0409	72-1157	8/9	13:32	Zinc - Dissolved	7.5	µg/L	b
W0409	72-1307	8/30	11:30	Zinc - Dissolved	4.4	µg/L	
W0409	72-1465	10/4	9:45	Zinc - Dissolved	6.8	µg/L	b
W1147	72-0689	5/15	11:04	Total Nitrogen	0.61	mg/L	
W1147	72-0947	6/19	10:00	Total Nitrogen	0.60	mg/L	
W1147	72-1117	7/24	10:15	Total Nitrogen	0.63	mg/L	
W1147	72-1267	8/28	10:03	Total Nitrogen	0.59	mg/L	
W1147	72-1425	10/2	10:00	Total Nitrogen	0.57	mg/L	
W1147	72-0689	5/15	11:04	Total Phosphorus	0.043	mg/L	
W1147	72-0947	6/19	10:00	Total Phosphorus	0.076	mg/L	
W1147	72-1117	7/24	10:15	Total Phosphorus	0.048	mg/L	
W1147	72-1267	8/28	10:03	Total Phosphorus	0.040	mg/L	
W1147	72-1425	10/2	10:00	Total Phosphorus	0.040	mg/L	
W1147	72-0689	5/15	11:04	Nitrate/Nitrite-N	0.04	mg/L	
W1147	72-0947	6/19	10:00	Nitrate/Nitrite-N	0.06	mg/L	
W1147	72-1117	7/24	10:15	Nitrate/Nitrite-N	0.12	mg/L	
W1147	72-1267	8/28	10:03	Nitrate/Nitrite-N	0.11	mg/L	
W1147	72-1425	10/2	10:00	Nitrate/Nitrite-N	<0.02	mg/L	
W1147	72-0689	5/15	11:04	Ammonia-N	0.07	mg/L	
W1147	72-0947	6/19	10:00	Ammonia-N	0.08	mg/L	
W1147	72-1117	7/24	10:15	Ammonia-N	0.05	mg/L	
W1147	72-1267	8/28	10:03	Ammonia-N	<0.02	mg/L	
W1147	72-1425	10/2	10:00	Ammonia-N	<0.02	mg/L	
W1147	72-0689	5/15	11:04	Suspended Solids	3.8	mg/L	
W1147	72-0947	6/19	10:00	Suspended Solids	##	mg/L	b
W1147	72-1117	7/24	10:15	Suspended Solids	##	mg/L	b
W1147	72-1267	8/28	10:03	Suspended Solids	4.9	mg/L	
W1147	72-1425	10/2	10:00	Suspended Solids	3.9	mg/L	
W1147	72-0689	5/15	11:04	<i>E. coli</i>	110	CFU/100mL	
W1147	72-0947	6/19	10:00	<i>E. coli</i>	160	CFU/100mL	
W1147	72-1117	7/24	10:15	<i>E. coli</i>	110	CFU/100mL	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1147	72-1267	8/28	10:03	<i>E. coli</i>	340	CFU/100mL	
W1147	72-1425	10/2	10:00	<i>E. coli</i>	100	CFU/100mL	
W1147	72-0689	5/15	11:04	Apparent Color	70	PCU	
W1147	72-0947	6/19	10:00	Apparent Color	65	PCU	
W1147	72-1117	7/24	10:15	Apparent Color	100	PCU	
W1147	72-1267	8/28	10:03	Apparent Color	41	PCU	
W1147	72-1425	10/2	10:00	Apparent Color	55	PCU	
W1147	72-0689	5/15	11:04	True Color	50	PCU	
W1147	72-0947	6/19	10:00	True Color	65	PCU	
W1147	72-1117	7/24	10:15	True Color	<15	PCU	
W1147	72-1267	8/28	10:03	True Color	23	PCU	
W1147	72-1425	10/2	10:00	True Color	30	PCU	
W1147	72-0689	5/15	11:04	Turbidity	4.4	NTU	b
W1147	72-0947	6/19	10:00	Turbidity	##	NTU	b
W1147	72-1117	7/24	10:15	Turbidity	4.8	NTU	
W1147	72-1267	8/28	10:03	Turbidity	4.6	NTU	b
W1147	72-1425	10/2	10:00	Turbidity	4.5	NTU	
W1147	72-1152	8/9	11:28	Hardness	95	mg/L as CaCO3	
W1147	72-1302	8/30	9:42	Hardness	**	mg/L as CaCO3	
W1147	72-1314	9/6	9:35	Hardness	100	mg/L as CaCO3	
W1147	72-1460	10/4	8:05	Hardness	110	mg/L as CaCO3	
W1147	72-1152	8/9	11:28	Antimony - Dissolved	##	µg/L	b, d
W1147	72-1302	8/30	9:42	Antimony - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Antimony - Dissolved	##	µg/L	b, d
W1147	72-1460	10/4	8:05	Antimony - Dissolved	##	µg/L	b
W1147	72-1152	8/9	11:28	Aluminum - Dissolved	<40	µg/L	
W1147	72-1302	8/30	9:42	Aluminum - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Aluminum - Dissolved	<40	µg/L	
W1147	72-1460	10/4	8:05	Aluminum - Dissolved	<40	µg/L	
W1147	72-1152	8/9	11:28	Arsenic - Dissolved	<0.51	µg/L	
W1147	72-1302	8/30	9:42	Arsenic - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Arsenic - Dissolved	<0.51	µg/L	
W1147	72-1460	10/4	8:05	Arsenic - Dissolved	0.56	µg/L	
W1147	72-1152	8/9	11:28	Barium - Dissolved	110	µg/L	
W1147	72-1302	8/30	9:42	Barium - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Barium - Dissolved	140	µg/L	
W1147	72-1460	10/4	8:05	Barium - Dissolved	150	µg/L	
W1147	72-1152	8/9	11:28	Beryllium - Dissolved	<0.20	µg/L	d, j
W1147	72-1302	8/30	9:42	Beryllium - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Beryllium - Dissolved	<0.20	µg/L	
W1147	72-1460	10/4	8:05	Beryllium - Dissolved	<0.20	µg/L	
W1147	72-1152	8/9	11:28	Cadmium - Dissolved	<0.13	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1147	72-1302	8/30	9:42	Cadmium - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Cadmium - Dissolved	<0.13	µg/L	
W1147	72-1460	10/4	8:05	Cadmium - Dissolved	<0.13	µg/L	
W1147	72-1152	8/9	11:28	Calcium - Dissolved	28	mg/L	
W1147	72-1302	8/30	9:42	Calcium - Dissolved	**	mg/L	
W1147	72-1314	9/6	9:35	Calcium - Dissolved	31	mg/L	
W1147	72-1460	10/4	8:05	Calcium - Dissolved	33	mg/L	b
W1147	72-1152	8/9	11:28	Chromium - Dissolved	1.8	µg/L	b
W1147	72-1302	8/30	9:42	Chromium - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Chromium - Dissolved	1.7	µg/L	
W1147	72-1460	10/4	8:05	Chromium - Dissolved	1.0	µg/L	
W1147	72-1152	8/9	11:28	Cobalt - Dissolved	0.26	µg/L	
W1147	72-1302	8/30	9:42	Cobalt - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Cobalt - Dissolved	0.94	µg/L	
W1147	72-1460	10/4	8:05	Cobalt - Dissolved	1.2	µg/L	
W1147	72-1152	8/9	11:28	Copper - Dissolved	##	µg/L	b, j
W1147	72-1302	8/30	9:42	Copper - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Copper - Dissolved	2.0	µg/L	d
W1147	72-1460	10/4	8:05	Copper - Dissolved	2.1	µg/L	b
W1147	72-1152	8/9	11:28	Iron - Dissolved	240	µg/L	d
W1147	72-1302	8/30	9:42	Iron - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Iron - Dissolved	280	µg/L	
W1147	72-1460	10/4	8:05	Iron - Dissolved	360	µg/L	
W1147	72-1152	8/9	11:28	Lead - Dissolved	0.42	µg/L	
W1147	72-1302	8/30	9:42	Lead - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Lead - Dissolved	0.71	µg/L	
W1147	72-1460	10/4	8:05	Lead - Dissolved	0.32	µg/L	
W1147	72-1152	8/9	11:28	Magnesium - Dissolved	5.8	mg/L	
W1147	72-1302	8/30	9:42	Magnesium - Dissolved	**	mg/L	
W1147	72-1314	9/6	9:35	Magnesium - Dissolved	6.8	mg/L	
W1147	72-1460	10/4	8:05	Magnesium - Dissolved	7.1	mg/L	
W1147	72-1152	8/9	11:28	Manganese - Dissolved	490	µg/L	b
W1147	72-1302	8/30	9:42	Manganese - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Manganese - Dissolved	2400	µg/L	b
W1147	72-1460	10/4	8:05	Manganese - Dissolved	2000	µg/L	b
W1147	72-1152	8/9	11:28	Molybdenum - Dissolved	<0.16	µg/L	
W1147	72-1302	8/30	9:42	Molybdenum - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Molybdenum - Dissolved	0.32	µg/L	b
W1147	72-1460	10/4	8:05	Molybdenum - Dissolved	0.17	µg/L	
W1147	72-1152	8/9	11:28	Nickel - Dissolved	1.2	µg/L	
W1147	72-1302	8/30	9:42	Nickel - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Nickel - Dissolved	1.5	µg/L	

Station ID/ Unique ID	Sample OWMID	Sample Date	Sample Time	Analyte	Result	Units	Result Qualifiers*
W1147	72-1460	10/4	8:05	Nickel - Dissolved	2.1	µg/L	
W1147	72-1152	8/9	11:28	Selenium - Dissolved	<2.6	µg/L	
W1147	72-1302	8/30	9:42	Selenium - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Selenium - Dissolved	<2.6	µg/L	
W1147	72-1460	10/4	8:05	Selenium - Dissolved	<2.6	µg/L	
W1147	72-1152	8/9	11:28	Silver - Dissolved	<0.13	µg/L	
W1147	72-1302	8/30	9:42	Silver - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Silver - Dissolved	<0.13	µg/L	
W1147	72-1460	10/4	8:05	Silver - Dissolved	<0.13	µg/L	
W1147	72-1152	8/9	11:28	Thallium - Dissolved	<0.16	µg/L	
W1147	72-1302	8/30	9:42	Thallium - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Thallium - Dissolved	<0.16	µg/L	
W1147	72-1460	10/4	8:05	Thallium - Dissolved	<0.16	µg/L	
W1147	72-1152	8/9	11:28	Vanadium - Dissolved	0.38	µg/L	
W1147	72-1302	8/30	9:42	Vanadium - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Vanadium - Dissolved	0.50	µg/L	
W1147	72-1460	10/4	8:05	Vanadium - Dissolved	<0.15	µg/L	
W1147	72-1152	8/9	11:28	Zinc - Dissolved	2.5	µg/L	b
W1147	72-1302	8/30	9:42	Zinc - Dissolved	**	µg/L	
W1147	72-1314	9/6	9:35	Zinc - Dissolved	4.5	µg/L	
W1147	72-1460	10/4	8:05	Zinc - Dissolved	3.7	µg/L	b

* Note: Qualifier codes are provided in the appendix.

Table 9. Geometric mean* of the 2007 *E. coli* results for each DWM Charles River Watershed sampling station.

Station ID/ Unique ID	Sample Count	Geometric Mean (CFU/100 ml)
W0384	5	61
W0406	5	44
W0407	5	57
W0408	5	50
W0409	5	1,589
W0414	5	41
W0416	4	110
W0423	4	85
W1135	5	58
W1136	5	106
W1137	5	26
W1138	5	28
W1139	5	172
W1141	5	16
W1142	5	331
W1143	5	384
W1144	5	561
W1147	5	146
W1150	5	9
W1151	5	88
W1156	5	91
W1157	5	81
W1582	5	127
W1583	5	106
W1584	5	230
W1585	5	489
W1586	5	81
W1587	5	30
W1588	5	60
W1589	4	31
W1590	5	281
W1592	2	30
*The detection limit was used in the geometric mean calculation if the result was below the detection limit. The second paired result from duplicate samples was removed before completing the geometric mean calculation.		

Table 10. 2007 MassDEP DWM Charles River Watershed attended multiprobe data.

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*
W0384	72-0796	5/11	10:07	0.5		20.2		7.1		409		262		8.4		94.3	
W0384	72-0797	5/14	10:34	0.3		18.6		7.1		424		271		8.4		90.3	
W0384	72-0892	6/15	9:26	0.6		17.8		6.9		390		250		8.3		87.9	
W0384	72-0893	6/18	9:29	0.6		21.3		6.9		406		260		7.3		83.8	
W0384	72-0973	6/19	6:09	0.6		21.9		6.9		410		262		6.5	i	75.2	i
W0384	72-1053	7/20	8:51	0.5		23.9		7		525		336		3.6		43.7	
W0384	72-1054	7/23	8:59	0.2		23.1		7		551		353		4.2		49.4	
W0384	72-1212	8/24	9:05	0.9		20.9		6.9		596		381		3.5	i	39.2	i
W0384	72-1213	8/27	9:02	0.8		23.7		6.7		615		394		2.8		33	
W0384	72-1370	9/28	9:41	0.6		22.8		7		636		407		4.0		47.4	
W0384	72-1371	10/1	9:18	1		17.9		7		634		406		5.8		61	
W0406	72-0817	5/11	15:21	0.2		20.8		7.2		481		308		8.0		90.5	
W0406	72-0818	5/14	13:26	0.1		19.1		7.1		498		319		8.4	i	91.9	i
W0406	72-0913	6/15	13:24	0.2		18		7.3		430		275		8.7		92.9	
W0406	72-0914	6/18	11:43	0.2		21.1		7.3		452		289		8.1		92	
W0406	72-1074	7/20	12:38	0.2		23.6		7.5		529		338		7.6		92.7	
W0406	72-1075	7/23	11:13	0.1		20.6		7.5		533		341		8.2		91.7	
W0406	72-1233	8/24	13:47	0.1		22.5		7.2		530		340		7.6		88.7	
W0406	72-1234	8/27	11:03	0.1		20.3		7.2		531		340		8.1		90.4	
W0406	72-1391	9/28	14:16	0.1		21.2		7.2		575		368		7.3		84.1	
W0406	72-1392	10/1	11:46	0	i	13.8		7.1		551		353		8.3	i	80.1	i
W0407	72-0820	5/14	13:25	0.2		18.2		6.1		64.8		41.5		7.9		84.3	
W0407	72-0821	5/16	9:12	0.2		17.3		6.1		64.3		41.2		7.7		82.4	
W0407	72-0916	6/18	12:45	0.1		24		6.4		67.7		43.3		7.2		86.7	
W0407	72-0917	6/20	9:45	0.1		23.2		6.3		69.9		44.7		6.6		79	

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*
W0407	72-1077	7/23	11:36	0	i	21.7		6.6		73.8		47.3		4.5		51.5	
W0407	72-1078	7/25	9:31	0	i	22.9	u	6.5		71.9		46		5.2		60.6	
W0407	72-1236	8/27	11:27	0	i	22.8		6.2		67.5		43.2		4.7		55.5	
W0407	72-1237	8/29	9:12	0	i	20.4		6.1		70		44.9		4.4		49.1	
W0407	72-1394	10/1	12:15	0	i	14.6		6.3		75		48		3.5		34.1	
W0407	72-1395	10/3	9:11	0	i	15.6	u	6.2		82.2	u	52.6	u	2.1	u	21	u
W0408	72-0826	5/14	14:22	0.6		17.8		6.4		236		151		8.7		92.2	
W0408	72-0827	5/16	10:11	0.6		15.8		6.4		235		151		6.1		62.7	
W0408	72-0922	6/18	13:49	0.4		20		6.4		265		169		4.9		54.2	
W0408	72-0923	6/20	10:26	0.4		18.3		6.4		275		176		4.3		46.7	
W0408	72-0993	6/28	14:35	--		23.3	s	--		--		--		--		--	
W0408	72-0994	10/24	12:47	--		16.1	s	--		--		--		--		--	
W0408	72-1083	7/23	12:36	0.1		17.6		6.7		301		193		5.4		56.4	
W0408	72-1084	7/25	10:39	0.3		18.8		6.6		300		192		5.3		57.7	
W0408	72-1242	8/27	12:16	0.2		20.6		6.5		328		210		5.0		55.8	
W0408	72-1243	8/29	9:58	0.4		17.7		6.5		325		208		4.7		50.1	
W0408	72-1400	10/1	13:13	0.1		13.9		6.5		307		197		3.9		37.5	
W0408	72-1401	10/3	9:53	0.1		14.3		6.4		311		199		3.7		36.6	
W0409	72-0838	5/14	14:09	0.2		14.9		7.2		433		277		10.0	i	99.2	i
W0409	72-0839	5/16	11:43	0.2		15.5		7.1		433		277		9.4		96.7	
W0409	72-0925	6/18	14:17	0.1		18.7		7.2		441		282		8.4		90.9	
W0409	72-0926	6/20	10:52	0.2		17.6		7.1		461		295		8.0		85.5	
W0409	72-0990	6/28	14:10	--		22.3	s	--		--		--		--		--	
W0409	72-0991	10/24	13:23	--		15.3	s	--		--		--		--		--	
W0409	72-1086	7/23	13:06	0.1		18.1		7.4		557		356		8.0		84.9	
W0409	72-1087	7/25	12:07	0.2		19.7		7.4		559		358		8.3		92	

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*
W0409	72-1245	8/27	12:54	0.1		20.4		7.2		579		370		8.4		94	
W0409	72-1246	8/29	11:23	0.2		18.4		7.2		581		372		7.7		82.6	
W0409	72-1403	10/1	13:41	0.1		14.3		7.3		580		371		9.4		91.8	
W0409	72-1404	10/3	10:57	0.2		15.1		7.1		583		373		8.4		84.2	
W0414	72-0772	5/14	12:50	0.3		16.8		7.3		468		300		9.6		99.2	
W0414	72-0773	5/16	8:38	0.4		16.9		7.1		486		311		8.9		93.9	
W0414	72-0868	6/18	12:19	0.5		21.5		7.2		447		286		8.1		92.8	
W0414	72-0869	6/20	9:41	0.4		21.9		7.2		468		300		7.9		92.2	
W0414	72-1029	7/23	12:48	0.3		21.9		7.7		606		388		8.2	i	93.7	i
W0414	72-1030	7/25	8:41	0.4		21.3		7.6		636		407		8.4		95.2	
W0414	72-1164	8/24	8:32	0.2		19.7		7.4		761	c	487	c	8.4		92.9	
W0414	72-1165	8/27	10:52	0.2		23		7.7		739	c	473	c	8.8		104	
W0414	72-1188	8/27	10:59	0.2		23		7.7		738	c	472	c	8.9		105	
W0414	72-1189	8/29	9:01	0.2		20.9		7.4		744	c	476	c	7.9		89.9	
W0414	72-1322	9/28	14:07	0.4		21.8		8.3		637		408		##	u, i	##	u, i
W0414	72-1323	10/1	11:11	0.6		15.7		7.8		655		419		9.5		95.5	
W0414	72-1346	10/1	11:11	0.6		15.7		7.8		655		419		9.5		95.5	
W0414	72-1347	10/3	8:22	0.5		16.6	u	7.3		##	i	##	i	6.0	u	62.2	u
W0416	72-0790	5/14	10:49	0.1		12.9		6.7		144		92		8.5	i	80.4	i
W0416	72-0791	5/16	11:19	0.3		17		6.6		139		88.8		7.2		76.1	
W0416	72-0886	6/18	9:34	0.2		16.1		6.8		137		87.4		8.1	u	83.2	u
W0416	72-0887	6/20	13:38	0.3		17.7		6.7		147		94.1		7.1		75.7	
W0416	72-1047	7/23	10:07	--		16.5		--		166		106		6.9		71.4	
W0416	72-1048	7/25	11:37	0.3		19.2		7.1		167		107		6.9		75.5	
W0416	72-1206	8/27	9:37	0.2		18.5		6.9		221		142		4.9		53.1	
W0416	72-1207	8/29	11:38	0.1		19.4	u	7		231		148		5.6		60.9	

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W0416	72-1364	10/1	10:02	0.1		11.2		6.7		293		188		5.1		46.3	
W0416	72-1365	10/3	11:02	0.2		15.6		6.8		##	i	##	i	4.5		45.2	
W0423	72-0787	5/14	15:34	0.2		18		7		276		176		9.0		95.8	
W0423	72-0788	5/16	12:25	0.2		19		6.8		275		176		7.6		83.2	
W0423	72-0883	6/18	15:18	0.2		23.5		6.7		254		163		6.9		82.5	
W0423	72-0884	6/20	13:10	0.2		21.7		6.7		262		168		6.5		75.3	
W0423	72-0996	6/28	15:13	--		27.9	s	--		--		--		--		--	
W0423	72-0997	10/24	12:11	--		14.9	s	--		--		--		--		--	
W0423	72-1044	7/23	15:42	0.1		21.3		7.1		308		197		6.3	i	71.7	i
W0423	72-1045	7/25	11:12	0.2		22.8		7.1		311		199		6.3		73.4	
W0423	72-1203	8/27	**	**		**		**		**		**		**		**	
W0423	72-1204	8/29	**	**		**		**		**		**		**		**	
W0423	72-1361	10/1	**	**		**		**		**		**		**		**	
W0423	72-1362	10/3	**	**		**		**		**		**		**		**	
W1135	72-0760	5/11	11:05	0.3		20.5		6.9		509		326		7.3		82	
W1135	72-0761	5/14	11:25	0.2		16.1		7		520		333		8.5		86.9	
W1135	72-0856	6/15	10:46	0.2		16.8		7		496		318		8.3		86.5	
W1135	72-0857	6/18	10:57	0.2		21.9		7		##	u	##	u	6.9		80.9	
W1135	72-1017	7/20	10:45	0.1		23.5		7.3		601		385		6.6		79.5	
W1135	72-1018	7/23	11:36	0.2		21.6		7.4		707		452		6.9	i	78.8	i
W1135	72-1176	8/24	10:39	0.1		21.2		7.5		765	c	490	c	8.4		96	
W1135	72-1177	8/27	10:08	0.1		23		7.3		758	u, c	485	u, c	7.2		84.8	
W1135	72-1334	9/28	11:09	0.3		22.5		7.4		758	c	485	c	##	i	##	i
W1135	72-1335	10/1	10:12	0.3		14.8		7.5		777	c	497	c	8.7		85.2	
W1136	72-0775	5/14	13:20	0.3		18.1		7		444		284		8.6		91.9	
W1136	72-0776	5/16	8:59	0.2		17.4		6.8		459		294		7.6		80.9	

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W1136	72-0871	6/18	12:58	0.3		22.4		6.9		439		281		7.4		86.9	
W1136	72-0872	6/20	10:06	0.2		23		6.8		443		283		6.3		74.9	
W1136	72-1032	7/23	13:24	0.4		22.5		7.3		557		357		6.8	i	79.1	i
W1136	72-1033	7/25	9:04	0.3		22.4		7.2		565		361		6.5		75	
W1136	72-1191	8/27	11:31	0.3		23.6		7.8		714		457		9.8		117	
W1136	72-1192	8/29	9:21	0.3		22.4		7.6		750	c	480	c	8.9		103	
W1136	72-1349	10/1	11:41	0.3		17.8		7.4		827	c	529	c	7.5		79.1	
W1136	72-1350	10/3	8:45	0.3		16.1		6.7		##	i	##	i	4.2		42.8	
W1137	72-0835	5/14	16:34	0	i	19.6		7		381		244		7.8	i	85.1	i
W1137	72-0836	5/16	10:47	1.1		18.4		6.8		377		241		6.5		71	
W1137	72-0934	6/18	14:44	2		22.9		6.8		347		222		6.9		81	
W1137	72-0935	6/20	12:45	1.4		23.1		6.8		372		238		5.9		71	
W1137	72-1095	7/23	13:59	--		23.4		--		489		313		7.1		84	
W1137	72-1096	7/25	10:48	1.1		23.5		7.5		503		322		7.3		86.6	
W1137	72-1254	8/27	13:23	1.5		25.2		7.9		636		407		8.7	u	107	u
W1137	72-1255	8/29	11:04	1		24.5		8.6		605		387		11.5		139	
W1137	72-1412	10/1	14:08	0.7		19.1		8.2		641		410		8.3	u	89.3	u
W1137	72-1413	10/3	10:29	0.9		18.3		7.8		##	i	##	i	9.4		101	
W1138	72-0829	5/14	15:14	0.5		20.1		6.8		361		231		7.4		82.1	
W1138	72-0830	5/16	10:37	0.8		18.6		6.8		360		230		7.5		81.9	
W1138	72-0928	6/18	13:33	0.9		23.5		6.9		334		214		7.6	u	90.2	u
W1138	72-0929	6/20	11:19	0.3		23.3		6.9		347		222		5.8		69.5	
W1138	72-1089	7/23	12:49	--		23.7		--		463		296		8.3		99	
W1138	72-1090	7/25	11:07	0.4		25.1		7.8		478		306		9.3		114	
W1138	72-1248	8/27	12:21	0.6		24.9		7.9		549		352		1.6		19.5	
W1138	72-1249	8/29	10:24	0.6		23.3		7.3		531		340		2.9		34.6	

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W1138	72-1406	10/1	12:26	0.5		18.5		7.6		544		348		6.9	u	73.2	u
W1138	72-1407	10/3	10:13	0.4		18.5		7.2		554		355		5.5		59.4	
W1139	72-0811	5/11	13:59	0.9		21		7.2		361		231		8.5		96.8	
W1139	72-0812	5/14	12:46	0.6		19.6		7.2		395		253		9.9	i	109	i
W1139	72-0907	6/15	12:37	1		19.3		7.3		348		223		9.5		103	
W1139	72-0908	6/18	11:42	1		23.6		7.3		360		230		8.5		101	
W1139	72-1068	7/20	11:41	0.7		24.4		7.2		484		310		4.5		55.6	
W1139	72-1069	7/23	11:44	--		22.7		--		502		321		5.1		59.4	
W1139	72-1227	8/24	11:50	0.4		22		7.4		560		358		8.5		98.6	
W1139	72-1228	8/27	11:12	0.8		24.3		7.3		552		354		6.8		82.4	
W1139	72-1385	9/28	12:22	0.5		23		7.5		592		379		7.8		93.1	
W1139	72-1386	10/1	11:24	0.5		17.6		7.4		597		382		7.7		80.4	
W1141	72-0823	5/14	13:56	0.5		19.6		7		359		230		8.3		91.1	
W1141	72-0824	5/16	9:41	0.5		18.4		6.9		353		226		8.2		89.2	
W1141	72-0919	6/18	13:15	0.1		22.9		7		331		212		8.1		95.8	
W1141	72-0920	6/20	10:05	0.3		23.6		7		346		221		7.8		94	
W1141	72-1080	7/23	12:05	0.2		24		7.6		440		281		7.8		92.7	
W1141	72-1081	7/25	10:11	0.3		24.3		7.6		457		292		8.2		98.5	
W1141	72-1239	8/27	11:55	0.4		24.7		7.7		511		327		8.2		99.8	
W1141	72-1240	8/29	9:32	0.4		22.7		7.5		516		330		7.0		82.3	
W1141	72-1397	10/1	12:45	0.4		19.4		7.6		609		390		8.6		93.1	
W1141	72-1398	10/3	9:31	0.2		18.5		7.5		595		381		8.5		91.5	
W1142	72-0754	5/11	10:03	0.2		17.5		6.4		294		188		8.3		88.1	
W1142	72-0755	5/14	10:22	0.1		12.6		6.6		306		196		9.2		87.1	
W1142	72-0850	6/15	9:35	0.2		14.2		6.6		297		190		7.4		73.9	
W1142	72-0851	6/18	9:55	0.2		17.6		6.5		292		187		6.1		64.7	

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W1142	72-1011	7/20	9:48	0.1		20.4		6.8		306		196		6.0		68.7	
W1142	72-1012	7/23	10:12	0.1		17.9		6.9		296		189		6.7	i	71.4	i
W1142	72-1170	8/24	9:48	0.1		18.5		6.9		278		178		7.2		77.9	
W1142	72-1171	8/27	9:15	0.1		18.6		6.8		274		175		6.9		74.9	
W1142	72-1328	9/28	9:54	0.2		19.8		7.1		339		217		##	i	##	i
W1142	72-1329	10/1	9:08	0.1		10.8		7.1		327		209		7.3		65.5	
W1143	72-0799	5/11	10:52	0.1		17.3		7		837	c	536	c	8.4		93.3	
W1143	72-0800	5/14	11:13	0.2		12.6		6.9		775	c	496	c	8.9		84.3	
W1143	72-0895	6/15	10:26	0.3		13.6		6.9		826	c	529	c	8.3		80.5	
W1143	72-0896	6/18	10:07	0.2		16.7		7		943	c	603	c	7.7		79.9	
W1143	72-1056	7/20	9:26	0.1		19.8		7.2		569		364		6.4		71.8	
W1143	72-1057	7/23	9:35	0.1		17.5		7.4		1171	c	749	c	7.6		80.5	
W1143	72-1215	8/24	9:41	0.1		18.8		7.2		1097	c	702	c	5.5	u, i	59.9	u, i
W1143	72-1216	8/27	9:36	0	i	19.7		7		973	c	623	c	5.7		63	
W1143	72-1373	9/28	10:20	0	i	20.2		7.1		1020	c	653	c	6.5		73.1	
W1143	72-1374	10/1	10:09	0	i	14.2		6.9		517		331		2.3	i	22.3	i
W1144	72-0802	5/11	11:35	0.4		18.6		6.9		777	c	497	c	7.1		76.8	
W1144	72-0803	5/14	11:43	0.4		14.1		6.9		760	c	486	c	8.9		86.6	
W1144	72-0898	6/15	10:52	0.3		14.9		7		842	c	539	c	7.4		74	
W1144	72-0899	6/18	10:35	0.2		19.4		6.9		914	c	585	c	6.0		66.1	
W1144	72-1059	7/20	9:59	0.4		21		7		738	c	472	c	3.9		44.5	
W1144	72-1060	7/23	10:02	0.1		19.6		7.1		910	c	583	c	4.3		47.2	
W1144	72-1218	8/24	10:17	0.2		19.7	u	6.8		823	c	527	c	2.8	u, i	31.2	u, i
W1144	72-1219	8/27	10:02	0.1		20.4		6.7		823	c	527	c	3.9		43.7	
W1144	72-1376	9/28	10:50	0.3		20.3		6.7		817	c	523	c	1.1		11.8	
W1144	72-1377	10/1	10:37	0	i	15.2		6.8		921	c	590	c	2.3	i	23.2	i

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*
W1147	72-0766	5/11	12:53	0.4		21.6		6.5		618		395		4.4		51.5	
W1147	72-0767	5/14	9:35	0.4		14.2		6.4		654		419		5.2	i	50.8	i
W1147	72-0862	6/15	11:35	0.6		16.4		6.5		544		348		5.0		50.4	
W1147	72-0863	6/18	8:35	0.2		19.6		6.3		594		380		3.8		42.5	
W1147	72-1023	7/20	11:39	0.2		22.9		6.7		762	c	488	c	3.5		41.9	
W1147	72-1024	7/23	8:59	--		19.8		--		779	c	499	c	3.5		38.5	
W1147	72-1182	8/24	11:37	0.3		20.6		6.6		945	c	605	c	6.0		68	
W1147	72-1183	8/27	8:32	0.2		21.3		6.5		963	c	616	c	4.1	u	47.3	u
W1147	72-1340	9/28	12:48	0.6		21.3		6.5		921	c	590	c	##	i	##	i
W1147	72-1341	10/1	8:58	0.3		14.1		6.3		952	c	610	c	1.5		14.9	
W1150	72-0778	5/14	13:56	0.4		19.9		7.4		279		179		9.0		99.3	
W1150	72-0779	5/16	9:38	0.4		18.3		7.1		283		181		8.9		96.5	
W1150	72-0874	6/18	13:33	0.3		23.8		7		258		165		7.7		92.1	
W1150	72-0875	6/20	10:33	0.2		24.3		7.1		262		168		7.5		90.9	
W1150	72-1035	7/23	13:58	0.3		23.4		7.5		315		201		7.5	i	88.6	i
W1150	72-1036	7/25	9:31	0.3		23.4		7.5		316		202		7.5		89.4	
W1150	72-1194	8/27	12:01	0.1		23.9		7.4		353		226		7.6		91	
W1150	72-1195	8/29	9:47	0.1		23.1		8		358		229		7.8		92.2	
W1150	72-1352	10/1	12:12	0.2		19.1		7.3		373		239		8.0		86	
W1150	72-1353	10/3	9:16	0.2		18.6		7.2		##	i	##	i	7.7		82.4	
W1151	72-0781	5/14	14:26	0.3		20		7		279		178		9.3		103	
W1151	72-0782	5/16	10:02	0.3		17.6		6.7		289		185		6.6		70.6	
W1151	72-0877	6/18	14:04	0.3		23.9		6.9		262		168		8.6		103	
W1151	72-0878	6/20	10:58	0.3		22.4		6.7		282		181		4.6		54	
W1151	72-0999	6/28	16:10	--		28.3	s	--		--		--		--		--	
W1151	72-1000	10/24	11:47	--		17.4	s	--		--		--		--		--	

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*
W1151	72-1038	7/23	14:33	0.3		21.2		7.1		365		233		4.9	i	55.7	i
W1151	72-1039	7/25	10:02	0.3		22		7.1		360		230		4.7		54.4	
W1151	72-1197	8/27	12:29	0.2		23.9		7.1		411		263		5.3		63.2	
W1151	72-1198	8/29	10:10	0.2		21.8		7.2		403		258		5.4		61.7	
W1151	72-1355	10/1	12:42	0.2		17.1		7.1		443		284		5.8		59.8	
W1151	72-1356	10/3	9:46	0.2		16.3		7.1		##	i	##	i	6.6		67.5	
W1156	72-0808	5/11	14:24	0.2		21.6		7.2		343		220		8.0		91.9	
W1156	72-0809	5/14	12:48	0.2		18.2		7.2		538		344		8.7		92.8	
W1156	72-0910	6/15	12:55	0.2		18.5		7		463		296		7.8		83.8	
W1156	72-0911	6/18	12:03	0.2		22.1		7		490		314		6.4		74.3	
W1156	72-1071	7/20	12:05	0.1		22.4		7.1		623		399		5.5		65	
W1156	72-1072	7/23	12:05	--		19.5		--		679		435		5.5		60.7	
W1156	72-1230	8/24	12:13	0.1		15.1		6.4		1063	c	680	c	5.0		50.8	
W1156	72-1231	8/27	11:33	0.2		15.7	u	6.4		1059	c	678	c	5.0		50.4	
W1156	72-1388	9/28	13:42	0.2		17.6	u	6.4		886	c	567	c	4.7		50.8	
W1156	72-1389	10/1	11:43	0.1		13.2		6.5		926	c	593	c	3.8		36.2	
W1157	72-0805	5/11	12:30	0.2		18.6		6.9		391		250		7.9		85.9	
W1157	72-0806	5/14	12:17	0.2		15.9		7		438		280		9.3		95	
W1157	72-0901	6/15	11:30	0.3		15.6		7		461		295		9.1		92	
W1157	72-0902	6/18	11:09	0.3		19.2		7		462		296		8.3		91.1	
W1157	72-0984	6/28	13:09	--		20.2	s	--		--		--		--		--	
W1157	72-0985	10/24	14:21	--		16.2	s	--		--		--		--		--	
W1157	72-1062	7/20	10:43	0.3		20.2		7.2		590		377		8.1		91.7	
W1157	72-1063	7/23	10:40	0.4		19.8		7.3		596		382		8.2		91	
W1157	72-1221	8/24	10:57	0.3		21.8		7.1		619		396		8.0		91.7	
W1157	72-1222	8/27	10:33	0.3		22.1		7		622		399		7.8		89.7	

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W1157	72-1379	9/28	11:23	0.3		21.4		7.2		646		413		8.2		94.3	
W1157	72-1380	10/1	11:11	0.4		17.9		7.2		648		415		9.0		94.9	
W1582	72-0841	5/14	14:55	0.1		18.2		7.3		549		351		8.9	i	95.2	i
W1582	72-0842	5/16	12:14	0.2		18.4		7.2		548		350		8.2		89.7	
W1582	72-0937	6/18	**	**		**		**		**		**		**		**	
W1582	72-0938	6/20	12:05	0.2		21.4		7.2		531		340		7.3		84.6	
W1582	72-1098	7/23	13:31	0.1		20.8		7.5		593		379		7.4		83.5	
W1582	72-1099	7/25	12:38	0.2		22.1		7.5		596		381		7.8		90.1	
W1582	72-1257	8/27	13:18	0	i	22.9		7.4		590		378		7.7		90.3	
W1582	72-1258	8/29	12:08	0.1		21.6		7.3		590		377		7.4		84.9	
W1582	72-1415	10/1	14:17	0.1		17.2		7.5		645		413		8.9		92.1	
W1582	72-1416	10/3	11:31	0	i	17		7.4		629		403		8.6		89.2	
W1583	72-0769	5/11	13:34	0.2		21.5		6.8		259		166		7.5		86.8	
W1583	72-0770	5/14	10:07	0.1		16.2		6.8		270		173		7.8	i	79.9	i
W1583	72-0865	6/15	12:01	0.1		17.2		6.7		235		151		7.5		78.8	
W1583	72-0866	6/18	9:00	0.1		20.2		6.8		260		166		8.1		90.5	
W1583	72-1026	7/20	12:09	0.1		23.9		7.2		157		101		6.8		82.5	
W1583	72-1027	7/23	9:28	--		21.7		--		296		190		7.1		81.4	
W1583	72-1185	8/24	12:03	0.2		21.8		7.3		336		215		8.1		93.4	
W1583	72-1186	8/27	9:00	0.2		21		7.1		340		218		7.2		81.5	
W1583	72-1343	9/28	13:20	0.2		20.4		6.9		417		267		##	i	##	i
W1583	72-1344	10/1	9:27	0.1		11.9		6.9		428		274		8.4		77.6	
W1584	72-0763	5/11	12:21	0.4		20.3		6.6		200		128		7.8		87.1	
W1584	72-0764	5/14	11:48	0.4		15.7		6.9		205		131		8.9		89.8	
W1584	72-0859	6/15	11:08	0.3		15.3		6.7		182		117		8.4		84.8	
W1584	72-0860	6/18	11:17	0.3		19.2		6.7		192		123		7.5		82.5	

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W1584	72-1020	7/20	11:10	0.4		21.4		7.1		249		160		7.0		81.4	
W1584	72-1021	7/23	11:57	0.3		19		7.1		251		160		7.4	i	80.7	i
W1584	72-1179	8/24	10:59	0.4		17.3		6.7		493	u	315	u	6.1		64.7	
W1584	72-1180	8/27	10:28	0.3		19.2	u	6.7		433	u	277	u	5.1		55.9	
W1584	72-1337	9/28	11:37	0.4		17.4		6.4		660	u	422	u	##	i	##	i
W1584	72-1338	10/1	10:34	0.4		11.9		6.7		407		261		4.8		44.5	
W1585	72-0751	5/11	9:15	0.1		14.4		6.9		622		398		10.0		99.4	
W1585	72-0752	5/14	9:48	0.1		10.8		6.7		637		408		10.8		98.5	
W1585	72-0847	6/15	8:59	0	i	12.8		6.8		621		398		8.9		83.9	
W1585	72-0848	6/18	9:16	0.1		16.5		6.7		545		349		7.3		76.2	
W1585	72-1008	7/20	9:15	0.1		19.8		7		476		305		6.8		76.1	
W1585	72-1009	7/23	9:33	0.2		17.7		7.2		692		443		7.4	i	78.7	i
W1585	72-1167	8/24	9:23	0.1		19.1		7.1		330		212		7.4		80.9	
W1585	72-1168	8/27	8:48	0.1		19.6		7		727	c	466	c	7.0		77	
W1585	72-1325	9/28	9:23	0.1		20.1		7		720	c	461	c	##	i	##	i
W1585	72-1326	10/1	8:31	0.1		12.3		7		720	c	461	c	8.2		76.5	
W1586	72-0784	5/14	14:56	0.2		16.5		6.7		204		131		9.4		97	
W1586	72-0785	5/16	10:27	0.2		16.1		6.6		209		134		7.9		81.7	
W1586	72-0880	6/18	14:38	0.1		20.5		6.6		223		143		7.2		80.7	
W1586	72-0881	6/20	12:27	0.1		19.1		6.5		228		146		6.8		74.9	
W1586	72-1041	7/23	15:17	0.1		18		6.8		264		169		7.4	i	78.6	i
W1586	72-1042	7/25	10:27	0.2		19.2		6.8		308		197		7.8		84.8	
W1586	72-1200	8/27	13:26	0.2		21.5		6.6		401		257		6.3		72.3	
W1586	72-1201	8/29	10:36	0.1		19.8		6.6		402		258		6.7		73.7	
W1586	72-1358	10/1	13:09	0.2		15.8		6.8		393		251		8.9		89.1	
W1586	72-1359	10/3	10:11	0.1		14.6	u	6.8		##	i	##	i	7.6	u	75.3	u

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W1587	72-0832	5/14	15:37	0.1		23.2		7		309		198		8.7		102	
W1587	72-0833	5/16	10:59	0.2		21.1		7		307		196		8.7		99.9	
W1587	72-0931	6/18	14:02	0.2		26.8		7.1		246		158		8.6		109	
W1587	72-0932	6/20	11:36	0.1		21.6		6.8		249		159		6.4		74.5	
W1587	72-1092	7/23	13:15	--		18.4		--		316		202		6.4		68.2	
W1587	72-1093	7/25	11:37	0.2		19.9		6.7		327		209		6.4		71.3	
W1587	72-1251	8/27	12:49	0.1		20.1		6.5		380		243		5.8		64.5	
W1587	72-1252	8/29	10:45	0.1		17.5		6.5		381		244		5.0		52.3	
W1587	72-1409	10/1	12:54	0.1		14.2		6.5		335		214		5.3		51.4	
W1587	72-1410	10/3	10:34	0.2		16		6.5		335		215		4.6		47.1	
W1588	72-0757	5/11	10:38	0.5		19.7		7		619		396		8.8		98.2	
W1588	72-0758	5/14	10:56	0.4		14.1		6.9		601		385		9.4		91.5	
W1588	72-0853	6/15	10:16	0.1		14.7		6.9		592		379		9.3		92.6	
W1588	72-0854	6/18	10:25	0.1		19.6		6.8		548		351		7.9		87.9	
W1588	72-1002	6/28	16:47	--		24.9	s	--		--		--		--		--	
W1588	72-1003	10/24	11:14	--		15.4	s	--		--		--		--		--	
W1588	72-1014	7/20	10:19	0.1		21.4		7.1		672		430		7.6		88.3	
W1588	72-1015	7/23	11:04	0.1		19.7		7.4		751	c	481	c	8.1	i	89.1	i
W1588	72-1173	8/24	10:17	0.2		19.3		7.2		##	u	##	u	8.7		95.3	
W1588	72-1174	8/27	9:41	0.2		20.7		7.2		933	c	597	c	8.4		94.4	
W1588	72-1331	9/28	10:27	0.2		20.5		7.3		990	c	634	c	##	i	##	i
W1588	72-1332	10/1	9:40	0.2		13.8		7.2		997	c	638	c	9.6		92.1	
W1589	72-0793	5/14	11:15	0.1		14		6.4		124		79.6		6.0	i	58.1	i
W1589	72-0794	5/16	11:44	0.1		17		6.4		122		78		5.3		55.9	
W1589	72-0889	6/18	9:53	0.4		16.2		6.5		124		79.5		5.5		56.8	
W1589	72-0890	6/20	13:57	0.4		17.2		6.5		124		79		4.6		48.1	

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W1589	72-1050	7/23	10:35	--		16.3		--		152		97.1		5.2		52.8	
W1589	72-1051	7/25	11:59	0.2		18.5		6.8		152		97		4.9		52.9	
W1589	72-1209	8/27	9:58	0.2		17.2		6.6		205		131		4.7		49.4	
W1589	72-1210	8/29	11:57	0.3		16.4	u	6.6		232		149		4.4		45.7	
W1589	72-1367	10/1	10:25	0.1		12.7		6.2		334		214		3.1		28.8	
W1589	72-1368	10/3	11:23	0.2		13.6		6.1		##	i	##	i	1.5		14	
W1590	72-0814	5/11	13:10	0.2		15.7		7.1		564		361		8.8		90.6	
W1590	72-0815	5/14	12:08	0	i	13.3		7.2		746	c	477	c	11.0	i	106	i
W1590	72-0904	6/15	11:54	0.2		14.5		7.3		491		314		9.8		97.5	
W1590	72-0905	6/18	10:54	0.2		16.1		7.4		677		433		10.0		103	
W1590	72-0987	6/28	13:36	--		20	s	--		--		--		--		--	
W1590	72-0988	10/24	14:02	--		14.9	s	--		--		--		--		--	
W1590	72-1065	7/20	11:13	0.2		19.3		7.8		514		329		8.8		97.9	
W1590	72-1066	7/23	11:25	--		16.9		--		737	c	472	c	9.1		95	
W1590	72-1224	8/24	11:23	0.1		19.1		7.6		688		441		8.5		93	
W1590	72-1225	8/27	10:43	0.1		19.2		7.5		642		411		8.3		91.1	
W1590	72-1382	9/28	**	^^		^^		^^		^^		^^		^^		^^	
W1590	72-1383	10/1	**	^^		^^		^^		^^		^^		^^		^^	
W1592	72-0748	5/11	8:43	0.2		16.8		5.6		113		72.2		6.8		71.6	
W1592	72-0749	5/14	9:14	0.1		11		5.7		114		73		7.9		71.7	
W1592	72-0844	6/15	8:26	0.1		12.4		5.7		110		70.3		7.1		67.3	
W1592	72-0845	6/18	8:47	0.2		15.9		5.7		134		85.6		6.4		65.7	
W1592	72-1005	7/20	**	^^		^^		^^		^^		^^		^^		^^	
W1592	72-1006	7/23	**	^^		^^		^^		^^		^^		^^		^^	
W1592	72-1558	8/24	**	^^		^^		^^		^^		^^		^^		^^	
W1592	72-1559	8/27	**	^^		^^		^^		^^		^^		^^		^^	

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*
W1592	72-1561	9/28	**	^^		^^		^^		^^		^^		^^		^^	
W1592	72-1562	**	**	^^		^^		^^		^^		^^		^^		^^	
W1718	72-1101	7/12	14:02	--		27.6	s	--		--		--		--		--	
W1718	72-1102	10/31	12:02	--		17.1	s	--		--		--		--		--	
W1719	72-1107	7/12	13:39	--		28.1	s	--		--		--		--		--	
W1719	72-1108	10/31	11:38	--		17	s	--		--		--		--		--	
W1720	72-1104	7/12	11:58	--		25.6	s	--		--		--		--		--	
W1720	72-1105	10/31	13:02	--		13.8	s	--		--		--		--		--	
W1721	72-1475	10/28	10:32	--		16.2	s	--		--		--		--		--	
W1721	72-1556	7/24	**	**		**		**		**		**		**		**	
W1722	72-1476	10/24	10:00	--		18.6	s	--		--		--		--		--	
W1722	72-1555	7/24	**	**		**		**		**		**		**		**	

* Note: Qualifier codes are provided in the appendix.

Table 11. 2007 MassDEP DWM Charles River Watershed unattended probes dissolved oxygen data.

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg (mg/L)	Min (mg/L)	Hours < 3.0 mg/L	Hours < 4.0 mg/L	Hours < 5.0 mg/L	Hours < 6.0 mg/L	Saturation: Avg (%)	Saturation: Min (%)	Saturation: Max (%)
W0384	72-0795	5/11	72	7.80	6.83	0	0	0	0	86.9	77.1	99.9
W0384	72-0891	6/15	71.5	7.39	6.37	0	0	0	0	83.0	73.5	92.7
W0384	72-1052	7/20	71.5	5.43	3.27	0	13.4	33.8	46.0	67.0	39.9	110.7
W0384	72-1211	8/24	71.5	4.18	2.64	4.7	20.9	67.5	71.5	49.3	31.9	66.4
W0384	72-1369	9/28	71	5.44	3.28	0	3.8	23.1	53.1	61.4	38.4	82.9
W0406	72-0816	5/11	69.5	8.02	7.34	0	0	0	0	86.6	83.2	91.1
W0406	72-0912	6/15	70	7.97	7.36	0	0	0	0	89.2	87.1	93
W0406	72-1073	7/20	70	7.88	7.42	0	0	0	0	91.9	90.2	94.3
W0406	72-1232	8/24	69	7.41	6.8	0	0	0	0	85.7	82	92.1
W0406	72-1390	9/28	69	7.55	6.67	0	0	0	0	77.1	69.9	82.8
W0407	72-0819	5/14	43.5	8.08	7.79	0	0	0	0	86.5	83.6	89.6
W0407	72-0915	6/18	44.5	6.60	6.14	0	0	0	0	79.6	74.5	83.7
W0407	72-1076	7/23	45.5	4.61	3.27	0	1.0	45.5	45.5	53.9	37.6	59.1
W0407	72-1235	8/27	45.5	4.53	4.21	0	0	45.5	45.5	52.2	46.9	58.1
W0407	72-1393	10/1	44.5	2.72	1.55	33.8	44.5	44.5	44.5	26.9	15.7	33.2
W0408	72-0825	5/14	0	--	--	--	--	--	--	--	--	--
W0408	72-0921	6/18	44	4.50	4.14	0	0	44.0	44.0	49.4	44.4	56.5
W0408	72-0992	6/28	0	--	--	--	--	--	--	--	--	--
W0408	72-1082	7/23	45.5	5.24	5.01	0	0	0	45.5	57.2	53.8	63.2
W0408	72-1241	8/27	44.5	4.42	3.85	0	3.8	37.8	44.0	48.7	43.3	59.4
W0408	72-1399	10/1	44	3.54	3.16	0	40.9	44.0	44.0	34.3	31	43.8
W0409	72-0837	5/14	45	9.03	8.46	0	0	0	0	89.8	84.7	104.1
W0409	72-0924	6/18	44	7.89	7.45	0	0	0	0	85.0	82.4	91.3
W0409	72-0989	6/28	0	--	--	--	--	--	--	--	--	--
W0409	72-1085	7/23	46.5	7.56	7.07	0	0	0	0	83.0	77.1	97.8
W0409	72-1244	8/27	46	7.21	6.54	0	0	0	0	78.6	70.2	97.9
W0409	72-1402	10/1	44.5	8.45	7.64	0	0	0	0	83.8	76.7	96.5
W0414	72-0771	5/14	43.5	9.06	8.83	0	0	0	0	95.4	93	99.8
W0414	72-0867	6/18	45	7.02	6.28	0	0	0	0	81.1	72.4	87.4
W0414	72-1028	7/23	43.5	8.17	7.69	0	0	0	0	95.4	91.2	105.7
W0414	72-1163	8/24	73.5	8.23	6.88	0	0	0	0	97.4	82.3	125
W0414	72-1187	8/27	46	8.10	7.06	0	0	0	0	95.6	81.6	123.1
W0414	72-1321	9/28	68.5	8.56	5.6	0	0	0	0.4	92.5	61.2	119.2

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg (mg/L)	Min (mg/L)	Hours < 3.0 mg/L	Hours < 4.0 mg/L	Hours < 5.0 mg/L	Hours < 6.0 mg/L	Saturation: Avg (%)	Saturation: Min (%)	Saturation: Max (%)
W0414	72-1345	10/1	44	9.39	8.21	0	0	0	0	96.9	84.5	118.8
W0416	72-0789	5/14	48	7.41	6.72	0	0	0	0	74.9	68.3	87
W0416	72-0885	6/18	51.5	7.15	6.58	0	0	0	0	76.1	71.6	84
W0416	72-1046	7/23	49	6.58	5.67	0	0	0	6.2	71.2	63.3	79.6
W0416	72-1205	8/27	49.5	4.61	3.56	0	6.7	36.3	49.5	50.3	40.8	66
W0416	72-1363	10/1	48.5	4.87	3.7	0	9.1	28.5	43.1	47.5	37.3	64
W0423	72-0786	5/14	44	7.70	7.02	0	0	0	0	81.9	74	94.7
W0423	72-0882	6/18	45.5	6.60	6.24	0	0	0	0	76.7	71.8	83.6
W0423	72-0995	6/28	0	--	--	--	--	--	--	--	--	--
W0423	72-1043	7/23	43	5.99	5.62	0	0	0	25.3	69.8	63.5	78
W0423	72-1202	8/27	0	--	--	--	--	--	--	--	--	--
W0423	72-1360	--	--	--	--	--	--	--	--	--	--	--
W1135	72-0759	5/11	71.5	8.23	6.76	0	0	0	0	90.5	73.6	111.3
W1135	72-0855	6/15	71.5	7.63	6.16	0	0	0	0	86.1	69.8	101.9
W1135	72-1016	7/20	72.5	7.20	5.9	0	0	0	2.1	87.0	68.9	108
W1135	72-1175	8/24	71	7.46	6.32	0	0	0	0	91.6	76.2	116
W1135	72-1333	9/28	70.5	8.12	6.97	0	0	0	0	89.7	78.1	104
W1136	72-0774	5/14	43	7.94	7.24	0	0	0	0	84.7	76.1	95.6
W1136	72-0870	6/18	0	--	--	--	--	--	--	--	--	--
W1136	72-1031	7/23	43.5	6.15	5.58	0	0	0	19.7	73.0	65.2	83.5
W1136	72-1190	8/27	45	10.16	8.36	0	0	0	0	121.4	97.3	153.6
W1136	72-1348	10/1	44.5	6.44	4.11	0	0	12.2	14.9	68.2	42.4	100.8
W1137	72-0834	5/14	41.5	7.30	6.64	0	0	0	0	78.9	69.8	91.3
W1137	72-0933	6/18	45.5	6.84	5.96	0	0	0	2.8	81.5	69.6	92.9
W1137	72-1094	7/23	44.5	7.64	6.69	0	0	0	0	92.3	79.2	105.7
W1137	72-1253	8/27	45.5	9.21	8	0	0	0	0	112.6	97.4	132.8
W1137	72-1411	10/1	43.5	10.90	9.84	0	0	0	0	119.4	106.9	136.7
W1138	72-0828	5/14	43	6.19	5.71	0	0	0	21.5	67.0	60.7	80.3
W1138	72-0927	6/18	45	6.42	5.29	0	0	0	20.1	76.6	62	99.4
W1138	72-1088	7/23	46	7.57	3.96	0	1.1	11.6	17.0	92.8	47.1	154.6
W1138	72-1247	8/27	45.5	2.44	0.41	30.9	37.9	42.1	45.5	29.9	4.9	70.8
W1138	72-1405	10/1	45.5	8.48	5.53	0	0	0	2.0	91.6	60	124.1
W1139	72-0810	5/11	70.5	8.83	8.15	0	0	0	0	99.0	92.5	112.6
W1139	72-0906	6/15	70.5	8.51	7.61	0	0	0	0	96.8	87.8	109.1
W1139	72-1067	7/20	71.5	7.03	4.7	0	0	1.4	22.4	87.1	58	120.1
W1139	72-1226	8/24	71	7.04	4.76	0	0	5.1	13.7	85.7	58.1	110.6
W1139	72-1384	9/28	70.5	7.85	5.77	0	0	0	6.5	89.1	66.1	117.7

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg (mg/L)	Min (mg/L)	Hours < 3.0 mg/L	Hours < 4.0 mg/L	Hours < 5.0 mg/L	Hours < 6.0 mg/L	Saturation: Avg (%)	Saturation: Min (%)	Saturation: Max (%)
W1141	72-0822	5/14	43.5	8.18	7.99	0	0	0	0	89.0	87	91.7
W1141	72-0918	6/18	44.5	8.10	7.92	0	0	0	0	96.2	93.7	99.3
W1141	72-1079	7/23	45.5	7.29	6.96	0	0	0	0	88.6	83.6	95.5
W1141	72-1238	8/27	45.5	7.07	6.48	0	0	0	0	84.6	76.4	101.7
W1141	72-1396	10/1	44.5	8.01	7.75	0	0	0	0	87.8	84.3	91.1
W1142	72-0753	5/11	71.5	7.44	5.5	0	0	0	15.4	77.7	57.6	115.6
W1142	72-0849	6/15	71.5	6.32	5.1	0	0	0	23.6	66.9	54.9	75.4
W1142	72-1010	7/20	72	6.14	5.37	0	0	0	22.1	68.5	63.4	74.5
W1142	72-1169	8/24	71	6.33	5.6	0	0	0	12.7	73.2	66.2	84.3
W1142	72-1327	9/28	71	5.97	4.4	0	0	13.2	31.0	60.9	45.5	70.8
W1143	72-0798	5/11	72	7.23	5.73	0	0	0	4.3	73.5	61	94.9
W1143	72-0894	6/15	71.5	7.63	7.02	0	0	0	0	78.7	75.5	83.9
W1143	72-1055	7/20	72	6.44	5.72	0	0	0	8.9	71.8	64.1	79.4
W1143	72-1214	8/24	71.5	5.58	4.67	0	0	12.8	58.3	64.6	54.9	84.2
W1143	72-1372	9/28	71.5	3.50	2.07	33.6	44.1	63.5	67.5	36.9	20.6	73.4
W1144	72-0801	5/11	71.5	6.02	3.74	0	6.6	13.4	40.5	62.8	40.3	90.7
W1144	72-0897	6/15	71.5	6.34	5.4	0	0	0	22.7	68.8	59.3	79.7
W1144	72-1058	7/20	72	4.58	3.9	0	1.0	59.7	72.0	52.9	45.1	66.3
W1144	72-1217	8/24	71.5	4.08	3.55	0	39.3	69.4	71.5	47.3	41.4	58.9
W1144	72-1375	9/28	71.5	1.31	0.35	71.5	71.5	71.5	71.5	13.8	3.9	21
W1147	72-0765	5/11	68.5	4.52	2.9	3.7	22.8	49.3	58.9	50.1	32	76.9
W1147	72-0861	6/15	68.5	4.66	3.36	0	13.3	45.8	68.5	51.5	37.2	65.8
W1147	72-1022	7/20	68.5	3.68	2.92	2.7	47.9	68.5	68.5	43.3	34.3	60.3
W1147	72-1181	8/24	68.5	4.60	3.25	0	20.7	47.4	64.3	55.0	37.7	76
W1147	72-1339	9/28	67.5	1.72	1.31	67.5	67.5	67.5	67.5	18.4	13.2	28.6
W1150	72-0777	5/14	43.5	9.06	8.84	0	0	0	0	99.5	96.4	102.1
W1150	72-0873	6/18	44.5	7.37	7.05	0	0	0	0	89.8	88.4	90.9
W1150	72-1034	7/23	43.5	6.90	6.73	0	0	0	0	83.3	81.3	84.9
W1150	72-1193	8/27	45	7.72	7.5	0	0	0	0	93.1	90.3	95.3
W1150	72-1351	10/1	44.5	7.96	7.76	0	0	0	0	87.3	85.6	90
W1151	72-0780	5/14	43.5	7.33	6.01	0	0	0	0	79.3	64	106.5
W1151	72-0876	6/18	44	6.46	3.87	0	3.8	16.3	20.5	77.1	45	110.6
W1151	72-0998	6/28	0	--	--	--	--	--	--	--	--	--
W1151	72-1037	7/23	0	--	--	--	--	--	--	--	--	--
W1151	72-1196	8/27	45.5	6.81	4.85	0	0	4.2	18.7	81.4	56.5	114.2
W1151	72-1354	10/1	44.5	7.24	5.95	0	0	0	0.1	74.7	62.9	81.8
W1156	72-0807	5/11	70	7.99	5.28	0	0	0	11.4	89.4	59.1	125.4

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg (mg/L)	Min (mg/L)	Hours < 3.0 mg/L	Hours < 4.0 mg/L	Hours < 5.0 mg/L	Hours < 6.0 mg/L	Saturation: Avg (%)	Saturation: Min (%)	Saturation: Max (%)
W1156	72-0909	6/15	71	6.85	5.49	0	0	0	10.6	78.4	61.7	93.1
W1156	72-1070	7/20	71.5	5.84	4.92	0	0	2.1	42.0	68.5	55.6	81.4
W1156	72-1229	8/24	71	5.69	4.6	0	0	15.9	45.7	58.7	47.3	73.9
W1156	72-1387	9/28	69.5	4.86	3.6	0	4.9	43.8	67.7	49.0	35	63.3
W1157	72-0804	5/11	71	8.00	7.24	0	0	0	0	84.5	78.8	93.5
W1157	72-0900	6/15	71	8.15	7.51	0	0	0	0	87.5	83.2	94
W1157	72-0983	6/28	0	--	--	--	--	--	--	--	--	--
W1157	72-1061	7/20	71.5	7.88	7.47	0	0	0	0	90.1	85.9	96.8
W1157	72-1220	8/24	71.5	7.15	6.62	0	0	0	0	84.5	79.4	93.3
W1157	72-1378	9/28	71.5	8.21	7.56	0	0	0	0	91.0	86.4	99.2
W1582	72-0840	5/14	45	8.18	7.82	0	0	0	0	86.4	83	92.3
W1582	72-0936	6/18	45	7.38	7.2	0	0	0	0	85.5	83	87.9
W1582	72-1097	7/23	46.5	7.29	7	0	0	0	0	84.0	78.9	90
W1582	72-1256	8/27	46.5	7.22	6.86	0	0	0	0	82.9	79.8	90.2
W1582	72-1414	10/1	45	8.21	7.89	0	0	0	0	85.5	82.2	93.4
W1583	72-0768	5/11	68	8.46	6.44	0	0	0	0	93.7	66	119.8
W1583	72-0864	6/15	68	7.84	7.08	0	0	0	0	87.2	81.3	91.9
W1583	72-1025	7/20	68.5	6.90	6.38	0	0	0	0	82.2	76.5	90.6
W1583	72-1184	8/24	68	6.84	6.33	0	0	0	0	81.1	75.8	92.5
W1583	72-1342	9/28	67.5	6.98	4.47	0	0	3.8	18.4	70.4	46.5	89.4
W1584	72-0762	5/11	71	7.84	7.17	0	0	0	0	84.3	78.7	91.1
W1584	72-0858	6/15	71.5	7.71	7.13	0	0	0	0	82.0	77.5	86.3
W1584	72-1019	7/20	72	7.08	6.56	0	0	0	0	80.6	76	86.6
W1584	72-1178	8/24	71	3.18	1.19	41.4	48.1	55.4	60.9	34.2	12.6	92.4
W1584	72-1336	9/28	70.5	3.40	2.02	25.5	46.3	70.5	70.5	34.1	21.1	46.9
W1585	72-0750	5/11	72	9.40	7.59	0	0	0	0	93.6	73.4	127.5
W1585	72-0846	6/15	0	--	--	--	--	--	--	--	--	--
W1585	72-1007	7/20	62	6.93	6.1	0	0	0	0	78.4	70.4	89.1
W1585	72-1166	8/24	71	6.69	5.6	0	0	0	11.1	78.3	67.1	96.1
W1585	72-1324	9/28	71	7.41	6.01	0	0	0	0	77.2	65.4	95.5
W1586	72-0783	5/14	43	8.23	7.56	0	0	0	0	84.4	77.8	97.4
W1586	72-0879	6/18	45	6.93	6.63	0	0	0	0	76.8	72.8	81.5
W1586	72-1040	7/23	42.5	8.00	7.31	0	0	0	0	87.9	78.6	98.9
W1586	72-1199	8/27	18	6.66	6.23	0	0	0	0	75.1	70.2	79.7
W1586	72-1357	10/1	44.5	9.53	8.57	0	0	0	0	95.3	81.8	104.9
W1587	72-0831	5/14	42.5	8.02	7.36	0	0	0	0	86.4	78	106.3
W1587	72-0930	6/18	45	6.88	5.01	0	0	0	12.3	81.5	56.4	113

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg (mg/L)	Min (mg/L)	Hours < 3.0 mg/L	Hours < 4.0 mg/L	Hours < 5.0 mg/L	Hours < 6.0 mg/L	Saturation: Avg (%)	Saturation: Min (%)	Saturation: Max (%)
W1587	72-1091	7/23	46	6.46	5.49	0	0	0	13.1	71.3	58.6	93.3
W1587	72-1250	8/27	45.5	5.70	4.58	0	0	11.0	28.1	62.6	48.4	79
W1587	72-1408	10/1	45.5	6.76	4.12	0	0	3.0	8.0	68.4	42.3	89.4
W1588	72-0756	5/11	71.5	8.72	8.08	0	0	0	0	94.0	88.2	101.4
W1588	72-0852	6/15	71.5	8.17	7.48	0	0	0	0	89.8	85	93.6
W1588	72-1001	6/28	0	--	--	--	--	--	--	--	--	--
W1588	72-1013	7/20	72.5	7.82	7.35	0	0	0	0	89.9	87.2	91.9
W1588	72-1172	8/24	71	8.11	7.73	0	0	0	0	94.4	92.6	97.9
W1588	72-1330	9/28	71	8.83	7.89	0	0	0	0	92.6	87.6	97.4
W1589	72-0792	5/14	48	5.41	4.88	0	0	6.6	43.3	54.3	49	66.1
W1589	72-0888	6/18	51.5	5.07	4.61	0	0	14.7	51.5	53.1	48.2	54.7
W1589	72-1049	7/23	48.5	5.26	4.71	0	0	7.8	48.5	55.9	52.3	59.7
W1589	72-1208	8/27	49.5	4.26	2.42	8.1	20.7	30.0	49.5	44.1	25.7	56.7
W1589	72-1366	10/1	48.5	2.59	0.76	28.6	47.2	48.5	48.5	24.5	7.4	40.3
W1590	72-0813	5/11	70.5	9.81	8.86	0	0	0	0	96.7	91.6	104.7
W1590	72-0903	6/15	70.5	9.33	8.91	0	0	0	0	94.7	93.1	97.7
W1590	72-0986	6/28	0	--	--	--	--	--	--	--	--	--
W1590	72-1064	7/20	71.5	8.70	8.24	0	0	0	0	94.5	90.7	99.6
W1590	72-1223	8/24	71	7.79	6.69	0	0	0	0	88.3	79.3	97.2
W1590	72-1381	9/28	0	--	--	--	--	--	--	--	--	--
W1592	72-0747	5/11	72	7.14	6.28	0	0	0	0	72.8	65.3	86.8
W1592	72-0843	6/15	72	5.42	4.32	0	0	14.7	65.3	54.9	46.1	67.1
W1592	72-1004	7/20	0	--	--	--	--	--	--	--	--	--
W1592	72-1557	--	--	--	--	--	--	--	--	--	--	--
W1592	72-1560	--	--	--	--	--	--	--	--	--	--	--
W1718	72-1100	7/12	0	--	--	--	--	--	--	--	--	--
W1719	72-1106	7/12	0	--	--	--	--	--	--	--	--	--
W1720	72-1103	7/12	0	--	--	--	--	--	--	--	--	--
W1721	72-1477	7/24	0	--	--	--	--	--	--	--	--	--
W1722	72-1478	7/24	0	--	--	--	--	--	--	--	--	--

Table 12. 2007 MassDEP DWM Charles River Watershed summary of unattended water temperature probe data.

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Average (deg. C)	Maximum (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percentage of Time > 20 deg. C (%)	Percentage of Time > 28.3 deg. C (%)
W0384	72-0795	5/11	72	19.8	21.0	20.9	37.0	0.0	51%	0%
W0384	72-0891	6/15	71.5	20.5	23.0	22.6	48.1	0.0	67%	0%
W0384	72-1052	7/20	71.5	24.3	26.1	25.5	71.5	0.0	100%	0%
W0384	72-1211	8/24	71.5	23.1	25.3	24.4	71.5	0.0	100%	0%
W0384	72-1369	9/28	71	20.3	22.8	21.2	41.0	0.0	58%	0%
W0406	72-0816	5/11	69.5	18.3	21.0	20.1	11.5	0.0	17%	0%
W0406	72-0912	6/15	70	20.4	23.7	23.2	40.5	0.0	58%	0%
W0406	72-1073	7/20	70	21.6	24.4	23.1	60.3	0.0	86%	0%
W0406	72-1232	8/24	69	22.1	25.0	24.1	62.2	0.0	90%	0%
W0406	72-1390	9/28	69	15.4	21.2	16.9	4.1	0.0	6%	0%
W0407	72-0819	5/14	43.5	17.9	19.7	18.7	0.0	0.0	0%	0%
W0407	72-0915	6/18	44.5	24.4	27.5	27.5	44.5	0.0	100%	0%
W0407	72-1076	7/23	45.5	21.8	23.2	23.2	45.5	0.0	100%	0%
W0407	72-1235	8/27	45.5	21.8	23.4	22.6	45.5	0.0	100%	0%
W0407	72-1393	10/1	44.5	13.9	15.0	14.6	0.0	0.0	0%	0%
W0408	72-0825	5/14	43.5	15.9	19.1	17.7	0.0	0.0	0%	0%
W0408	72-0921	6/18	44	19.3	21.5	21.5	16.9	0.0	39%	0%
W0408	72-0992	6/28	2829.5	17.8	24.7	19.1	816.1	0.0	29%	0%
W0408	72-1082	7/23	45.5	18.2	19.9	19.9	0.0	0.0	0%	0%
W0408	72-1241	8/27	45	19.5	22.0	21.0	17.9	0.0	40%	0%
W0408	72-1399	10/1	44	13.1	14.4	13.7	0.0	0.0	0%	0%
W0409	72-0837	5/14	45	14.4	15.9	15.8	0.0	0.0	0%	0%
W0409	72-0924	6/18	44	18.4	20.0	20.0	0.0	0.0	0%	0%
W0409	72-0989	6/28	2830.5	17.8	24.5	19.4	699.6	0.0	25%	0%
W0409	72-1085	7/23	46.5	18.4	20.6	20.6	3.4	0.0	7%	0%
W0409	72-1244	8/27	46	19.0	21.9	20.9	12.8	0.0	28%	0%
W0409	72-1402	10/1	44.5	13.9	15.0	14.7	0.0	0.0	0%	0%
W0414	72-0771	5/14	43.5	17.0	18.1	17.4	0.0	0.0	0%	0%
W0414	72-0867	6/18	45	22.1	23.1	23.1	45.0	0.0	100%	0%
W0414	72-1028	7/23	43.5	21.6	23.2	23.2	43.5	0.0	100%	0%
W0414	72-1163	8/24	73.5	23.1	25.3	25.0	73.1	0.0	99%	0%
W0414	72-1187	8/27	46	22.8	24.8	24.7	46.0	0.0	100%	0%
W0414	72-1321	9/28	68.5	18.2	21.9	19.3	7.5	0.0	11%	0%
W0414	72-1345	10/1	44.5	16.0	17.7	17.2	0.0	0.0	0%	0%
W0416	72-0789	5/14	48	15.2	19.3	17.9	0.0	0.0	0%	0%
W0416	72-0885	6/18	51.5	17.9	21.4	21.4	8.0	0.0	16%	0%

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Average (deg. C)	Maximum (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percentage of Time > 20 deg. C (%)	Percentage of Time > 28.3 deg. C (%)
W0416	72-1046	7/23	49	18.0	22.1	22.1	8.9	0.0	18%	0%
W0416	72-1205	8/27	49.5	19.1	22.3	21.1	19.1	0.0	39%	0%
W0416	72-1363	10/1	48.5	13.4	15.6	15.0	0.0	0.0	0%	0%
W0423	72-0786	5/14	44	17.5	18.8	18.1	0.0	0.0	0%	0%
W0423	72-0882	6/18	45.5	22.3	24.4	24.4	45.5	0.0	100%	0%
W0423	72-0995	6/28	2828.5	19.5	29.5	21.0	1359.9	13.1	48%	0%
W0423	72-1043	7/23	43	21.6	24.5	24.5	43.0	0.0	100%	0%
W0423	72-1202	8/27	0	--	--	--	--	--	--	--
W0423	72-1360	--	--	--	--	--	--	--	--	--
W1135	72-0759	5/11	71.5	19.1	22.0	21.4	29.1	0.0	41%	0%
W1135	72-0855	6/15	71.5	20.8	24.0	23.1	48.9	0.0	68%	0%
W1135	72-1016	7/20	72.5	23.4	26.5	25.9	72.5	0.0	100%	0%
W1135	72-1175	8/24	71	25.0	28.7	27.8	71.0	3.6	100%	5%
W1135	72-1333	9/28	70.5	19.3	25.1	21.2	26.1	0.0	37%	0%
W1136	72-0774	5/14	43	17.7	19.0	18.2	0.0	0.0	0%	0%
W1136	72-0870	6/18	45	22.8	23.9	23.9	45.0	0.0	100%	0%
W1136	72-1031	7/23	43.5	22.6	23.8	23.8	43.5	0.0	100%	0%
W1136	72-1190	8/27	45	23.5	24.9	24.6	45.0	0.0	100%	0%
W1136	72-1348	10/1	44.5	17.0	18.7	17.6	0.0	0.0	0%	0%
W1137	72-0834	5/14	41.5	18.2	19.9	19.0	0.0	0.0	0%	0%
W1137	72-0933	6/18	45.5	23.5	24.6	24.6	45.5	0.0	100%	0%
W1137	72-1094	7/23	44.5	23.3	24.4	24.4	44.5	0.0	100%	0%
W1137	72-1253	8/27	45.5	25.0	25.9	25.9	45.5	0.0	100%	0%
W1137	72-1411	10/1	43.5	18.7	20.0	19.1	0.0	0.0	0%	0%
W1138	72-0828	5/14	43	18.3	20.1	18.9	2.0	0.0	5%	0%
W1138	72-0927	6/18	45	23.6	25.1	25.1	45.0	0.0	100%	0%
W1138	72-1088	7/23	46	23.8	25.9	25.9	46.0	0.0	100%	0%
W1138	72-1247	8/27	45.5	24.8	27.0	25.7	45.5	0.0	100%	0%
W1138	72-1405	10/1	45.5	17.9	19.3	18.5	0.0	0.0	0%	0%
W1139	72-0810	5/11	70.5	20.1	21.4	21.1	39.8	0.0	56%	0%
W1139	72-0906	6/15	70.5	21.2	23.9	23.2	52.5	0.0	74%	0%
W1139	72-1067	7/20	71.5	24.6	26.0	25.8	71.5	0.0	100%	0%
W1139	72-1226	8/24	71	24.8	26.2	26.1	71.0	0.0	100%	0%
W1139	72-1384	9/28	70.5	20.4	23.5	21.2	37.1	0.0	53%	0%
W1141	72-0822	5/14	43.5	18.7	19.8	19.1	0.0	0.0	0%	0%
W1141	72-0918	6/18	44.5	23.5	24.3	24.3	44.5	0.0	100%	0%
W1141	72-1079	7/23	45.5	23.8	24.7	24.7	45.5	0.0	100%	0%
W1141	72-1238	8/27	45.5	23.8	25.3	25.1	45.5	0.0	100%	0%
W1141	72-1396	10/1	44.5	18.7	19.6	18.9	0.0	0.0	0%	0%

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Average (deg. C)	Maximum (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percentage of Time > 20 deg. C (%)	Percentage of Time > 28.3 deg. C (%)
W1142	72-0753	5/11	71.5	16.4	20.4	20.2	3.6	0.0	5%	0%
W1142	72-0849	6/15	71.5	17.7	21.1	20.7	10.4	0.0	15%	0%
W1142	72-1010	7/20	72	19.5	22.9	21.9	29.8	0.0	41%	0%
W1142	72-1169	8/24	71	22.0	25.3	24.3	64.1	0.0	90%	0%
W1142	72-1327	9/28	71	15.7	21.2	16.5	9.1	0.0	13%	0%
W1143	72-0798	5/11	72	15.4	18.9	17.4	0.0	0.0	0%	0%
W1143	72-0894	6/15	71.5	16.3	18.9	18.2	0.0	0.0	0%	0%
W1143	72-1055	7/20	72	19.3	22.3	21.1	27.8	0.0	39%	0%
W1143	72-1214	8/24	71.5	22.1	24.9	24.1	65.1	0.0	91%	0%
W1143	72-1372	9/28	71.5	16.1	20.8	17.2	8.2	0.0	11%	0%
W1144	72-0801	5/11	71.5	16.5	19.9	19.0	0.0	0.0	0%	0%
W1144	72-0897	6/15	71.5	18.8	21.8	21.2	20.0	0.0	28%	0%
W1144	72-1058	7/20	72	20.9	23.3	21.7	52.5	0.0	73%	0%
W1144	72-1217	8/24	71.5	22.2	24.2	23.7	69.2	0.0	97%	0%
W1144	72-1375	9/28	71.5	17.2	20.0	18.1	0.0	0.0	0%	0%
W1147	72-0765	5/11	68.5	19.4	22.8	22.3	31.1	0.0	45%	0%
W1147	72-0861	6/15	68.5	19.5	23.0	22.3	26.9	0.0	39%	0%
W1147	72-1022	7/20	68.5	22.0	25.2	24.6	58.0	0.0	85%	0%
W1147	72-1181	8/24	68.5	23.5	26.3	25.7	68.5	0.0	100%	0%
W1147	72-1339	9/28	67.5	17.6	21.9	18.6	10.4	0.0	15%	0%
W1150	72-0777	5/14	43.5	19.1	21.6	19.7	8.3	0.0	19%	0%
W1150	72-0873	6/18	44.5	24.9	27.0	27.0	44.5	0.0	100%	0%
W1150	72-1034	7/23	43.5	23.5	24.7	24.7	43.5	0.0	100%	0%
W1150	72-1193	8/27	45	24.2	25.2	25.0	45.0	0.0	100%	0%
W1150	72-1351	10/1	44.5	18.9	20.0	19.6	0.0	0.0	0%	0%
W1151	72-0780	5/14	43.5	18.2	21.2	19.9	6.7	0.0	15%	0%
W1151	72-0876	6/18	44	23.3	26.1	26.1	44.0	0.0	100%	0%
W1151	72-0998	6/28	2827	21.3	29.0	22.7	1837.0	21.9	65%	1%
W1151	72-1037	7/23	0	--	--	--	--	--	--	--
W1151	72-1196	8/27	45.5	23.6	25.1	24.5	45.5	0.0	100%	0%
W1151	72-1354	10/1	44.5	16.0	17.2	16.1	0.0	0.0	0%	0%
W1156	72-0807	5/11	70	19.7	23.0	22.4	36.5	0.0	52%	0%
W1156	72-0909	6/15	71	21.4	25.1	24.7	53.4	0.0	75%	0%
W1156	72-1070	7/20	71.5	21.7	24.3	23.3	61.8	0.0	86%	0%
W1156	72-1229	8/24	71	16.3	17.3	17.2	0.0	0.0	0%	0%
W1156	72-1387	9/28	69.5	14.6	16.3	15.3	0.0	0.0	0%	0%
W1157	72-0804	5/11	71	17.2	19.2	18.8	0.0	0.0	0%	0%
W1157	72-0900	6/15	71	18.3	20.6	19.8	9.5	0.0	13%	0%
W1157	72-0983	6/28	2832.5	19.9	24.5	20.9	1456.5	0.0	51%	0%

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Average (deg. C)	Maximum (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percentage of Time > 20 deg. C (%)	Percentage of Time > 28.3 deg. C (%)
W1157	72-1061	7/20	71.5	20.5	22.0	21.7	45.7	0.0	64%	0%
W1157	72-1220	8/24	71.5	23.2	24.5	24.2	71.5	0.0	100%	0%
W1157	72-1378	9/28	71.5	19.3	21.7	19.7	18.0	0.0	25%	0%
W1582	72-0840	5/14	45	17.2	18.6	18.0	0.0	0.0	0%	0%
W1582	72-0936	6/18	45	22.1	23.6	23.6	45.0	0.0	100%	0%
W1582	72-1097	7/23	46.5	20.9	22.7	22.7	39.9	0.0	86%	0%
W1582	72-1256	8/27	46.5	21.7	23.8	23.7	46.5	0.0	100%	0%
W1582	72-1414	10/1	45	16.3	17.3	17.2	0.0	0.0	0%	0%
W1583	72-0768	5/11	68	19.5	21.9	21.1	29.0	0.0	43%	0%
W1583	72-0864	6/15	68	20.1	24.0	22.9	36.4	0.0	53%	0%
W1583	72-1025	7/20	68.5	22.7	24.9	24.1	68.5	0.0	100%	0%
W1583	72-1184	8/24	68	23.3	26.0	25.4	68.0	0.0	100%	0%
W1583	72-1342	9/28	67.5	15.2	20.1	16.4	2.7	0.0	4%	0%
W1584	72-0762	5/11	71	18.1	20.6	19.9	14.9	0.0	21%	0%
W1584	72-0858	6/15	71.5	17.9	20.8	20.0	7.9	0.0	11%	0%
W1584	72-1019	7/20	72	20.4	22.7	21.4	41.4	0.0	57%	0%
W1584	72-1178	8/24	71	18.1	19.5	19.0	0.0	0.0	0%	0%
W1584	72-1336	9/28	70.5	14.9	17.6	16.3	0.0	0.0	0%	0%
W1585	72-0750	5/11	72	14.2	19.1	19.0	0.0	0.0	0%	0%
W1585	72-0846	6/15	72	17.2	22.4	21.7	12.6	0.0	17%	0%
W1585	72-1007	7/20	62	20.1	23.3	22.3	34.7	0.0	56%	0%
W1585	72-1166	8/24	71	22.5	25.5	24.6	66.4	0.0	94%	0%
W1585	72-1324	9/28	71	16.5	21.8	17.5	10.4	0.0	15%	0%
W1586	72-0783	5/14	43	15.8	17.7	16.8	0.0	0.0	0%	0%
W1586	72-0879	6/18	45	19.9	21.5	21.5	22.2	0.0	49%	0%
W1586	72-1040	7/23	42.5	18.7	22.0	22.0	8.4	0.0	20%	0%
W1586	72-1199	8/27	18	20.7	22.6	--	11.7	0.0	65%	0%
W1586	72-1357	10/1	44.5	14.4	16.4	16.1	0.0	0.0	0%	0%
W1587	72-0831	5/14	42.5	18.0	23.2	21.4	6.7	0.0	16%	0%
W1587	72-0930	6/18	45	22.9	27.4	27.0	45.0	0.0	100%	0%
W1587	72-1091	7/23	46	18.6	23.0	23.0	9.3	0.0	20%	0%
W1587	72-1250	8/27	45.5	19.2	22.2	21.2	15.8	0.0	35%	0%
W1587	72-1408	10/1	45.5	14.8	16.5	16.4	0.0	0.0	0%	0%
W1588	72-0756	5/11	71.5	18.3	21.3	20.9	22.5	0.0	31%	0%
W1588	72-0852	6/15	71.5	19.6	22.7	22.2	29.6	0.0	41%	0%
W1588	72-1001	6/28	2826	19.0	25.9	20.1	1252.0	0.0	44%	0%
W1588	72-1013	7/20	72.5	21.0	23.1	22.0	54.9	0.0	76%	0%
W1588	72-1172	8/24	71	22.2	24.1	23.7	69.3	0.0	98%	0%
W1588	72-1330	9/28	71	16.8	20.8	17.6	6.9	0.0	10%	0%

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Average (deg. C)	Maximum (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percentage of Time > 20 deg. C (%)	Percentage of Time > 28.3 deg. C (%)
W1589	72-0792	5/14	48	14.8	17.5	16.5	0.0	0.0	0%	0%
W1589	72-0888	6/18	51.5	17.2	19.2	19.2	0.0	0.0	0%	0%
W1589	72-1049	7/23	48.5	17.1	20.1	20.1	2.2	0.0	5%	0%
W1589	72-1208	8/27	49.5	16.7	18.7	17.6	0.0	0.0	0%	0%
W1589	72-1366	10/1	48.5	12.1	13.4	12.7	0.0	0.0	0%	0%
W1590	72-0813	5/11	70.5	14.0	17.2	16.2	0.0	0.0	0%	0%
W1590	72-0903	6/15	70.5	15.6	17.5	17.1	0.0	0.0	0%	0%
W1590	72-0986	6/28	2121.5	18.3	31.9	20.5	572.8	11.5	27%	1%
W1590	72-1064	7/20	71.5	18.0	20.4	19.7	6.5	0.0	9%	0%
W1590	72-1223	8/24	71	21.1	24.4	23.6	49.0	0.0	69%	0%
W1590	72-1381	9/28	0	--	--	--	--	--	0%	0%
W1592	72-0747	5/11	72	15.5	18.4	17.3	0.0	0.0	0%	0%
W1592	72-0843	6/15	72	15.7	18.3	17.8	0.0	0.0	0%	0%
W1592	72-1004	7/20	0	--	--	--	--	--	--	--
W1592	72-1557	--	--	--	--	--	--	--	--	--
W1592	72-1560	--	--	--	--	--	--	--	--	--
W1718	72-1100	7/12	2661.5	25.1	31.0	25.7	2437.4	413.1	92%	16%
W1719	72-1106	7/12	2661.5	25.2	31.2	25.8	2411.8	450.5	91%	17%
W1720	72-1103	7/12	2665	22.4	28.6	22.9	2081.1	4.3	78%	0%
W1721	72-1477	7/24	2209.5	18.0	25.4	19.1	623.5	0.0	28%	0%
W1722	72-1478	7/24	2204	20.5	24.0	21.1	1280.7	0.0	58%	0%

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APPENDIX 1: 2007 DATA SYMBOLS AND QUALIFIERS

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

The following data qualifiers or symbols are used in the MADEP/DWM WQD database for qualified and censored water quality and multiprobe 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.

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

Multiprobe-specific Qualifiers:

“ i ” = inaccurate readings from Multiprobe 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 Multiprobe SOP not followed, i.e., operator error (e.g. 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 Multiprobe 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 (e.g., sediment in sample, floc formation), lab error (e.g., 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