Technical Memorandum

BLACKSTONE RIVER WATERSHED
2008 DWM WATER QUALITY MONITORING DATA

May 2013

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Division of Watershed Management
DWM Control Number CN 325.1

COMMONWEALTH OF MASSACHUSETTS
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Introduction

The Blackstone River Watershed water quality survey was conducted in 2008, 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. Some additional water quality samples were collected in the Blackstone River in support of an ongoing modeling project.

Project Objectives

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

- Determine the water quality and biological health of rivers/streams within the watershed that were not assessed in the 2003 Water Quality Assessment Report and increase coverage to rivers/streams that have never before been assessed by conducting assessments based on chemical parameters and biological (fish, 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 the 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; and provide data for other informational needs of Massachusetts regulatory agencies.

- Provide quality-assured *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 the DWM's Total Maximum Daily Load Program to assist with TMDL development.

- Provide quality-assured water quality and dissolved oxygen data on historically sampled sites within the Blackstone River Watershed to support HSPF model development and calibration.

Additional information regarding project objectives may be found in CN 325.0 - Sampling Plan for Year 2008: Surface Water Monitoring in the Blackstone River Watershed (MassDEP 2008b).

Sampling Plan

The specific sampling activities of the 2008 Blackstone River Watershed Year 2 Survey are listed below. A total of 63 river/impoundment stations were sampled including water quality, dissolved metals, and attended/unattended multiprobe or thermistor deployment efforts. Fish population, periphyton, and invertebrate biomonitoring investigations were also conducted in the Blackstone River Watershed during 2008. However, these additional sampling efforts are detailed in separate technical memoranda. Data collected included grab samples to examine a variety of nutrients and water quality components as well as *in-situ* multiprobe measurements for temperature, dissolved oxygen, % oxygen saturation, pH, specific conductance, and total dissolved solids (Table 1). Unattended probes were deployed to one half of all sampled sites on Friday of the weeks preceding the water sampling surveys. Unattended units were then

re-positioned on Mondays to the other half of sampled 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 three occasions during 2008. In addition, single parameter temperature probes (thermistors) were deployed at 12 sites for approximately 4-5 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 2008. A map of the Blackstone River Watershed 2008 sampling stations is provided in Figure 1.

Table 1. Types of water quality sampling and deployments conducted in the Blackstone River Watershed during 2008.

Analyte(s) or Investigation Type	Number of 2008 Blackstone River Sites Sampled	Maximum number of collection visits per site
Water Quality: Bacteria *E. coli*	46	7
Water Quality: Nutrients - Total Phosphorus, Dissolved Reactive Phosphorus, Total Reactive Phosphorus Total Nitrogen, Nitrate/Nitrite-N, Ammonia-N	52	6
Total Suspended Solids	45	6
Color, Turbidity	47	6
Hardness	13	6
Dissolved Metals: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn, Ca, Mg, Hardness	11	3
Attended Multiprobe	52	11
Unattended (Deployed) Multiprobe	36	4 (2-3 day deploys)
Deployed Temperature Probes (Thermistors)	12	One 4-5 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 2004), CN 4.21 - Water Quality Multiprobe Data Collection (MassDEP 2005b), CN 4.41 - Multiprobe Deployments for Unattended Logging (MassDEP 2007a), CN 225.0 – Quality Assurance Program Plan (MassDEP 2005a), and CN 101.1 - Ambient Trace Metal Sampling (MassDEP 2007b)

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 2008 DWM data is provided in CN 361.0 – Water Quality Data Validation

Report for Year 2008 Project Data (MassDEP 2012b). 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 2004). The Wall Experiment Station (WES) supplied all sample bottles and field preservatives, which were prepared according to the WES Laboratory Quality Assurance Plan and Standard Operating Procedures (MassDEP 2001). Procedures used for multiprobe calibration and deployment are described in CN 4.21 - Water Quality Multiprobe Data Collection (MassDEP 2005b) and CN 4.41 Multiprobe Sonde Deployments for Continuous Unattended Water Quality Data Collection (MassDEP 2007a). Metal samples were collected using MassDEP metals protocol described in CN 101.1 - Ambient Trace Metal Sampling (MassDEP 2007b)

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. The MassDEP DWM 2008 Blackstone River Watershed sampling station descriptions, number of samples or deployments and sampling parameters. Note Site Type: WQ = water quality, LI = Lake or impoundment, TO = Thermistor only

Unique ID (map link)	Waterbody	Description	Latitude	Longitude	Hardness	Nutrients	Suspended Solids	*E. coli*	Color	Metals	Attended Probe	Deployed Multiprobe	Deployed Thermistor	Site Type (WQ = water quality, LI = Lake or impoundment, TO = Thermistor only.
W0499	Beaver Brook	upstream at Park Avenue, Worcester	42.25054	-71.83100		5	5	6	5					WQ
W0502	Middle River	Millbury Street, Worcester	42.23656	-71.79668	6	5	5	7	5	3	9	4		WQ
W0504	Dark Brook	Route 12, Auburn	42.20578	-71.83469		5	5	6	5					WQ
W0505	Blackstone River	McCracken Road (at the old bridge site which became a butler bridge in the early 2,000s), Millbury. (approxmatley 2300 feet downstream of Upper Blackstone WWTP (MA0102369) discharge)	42.20292	-71.77807		5	5	7	5		5			WQ
W0508	Mill River	Summer Street, Blackstone	42.04075	-71.51569	6	5	5	6	5	3	5			WQ
W0514	Center Brook	Mendon Street, Upton	42.16003	-71.60587		5	5	6	5		7		1	WQ
W0515	West River	Hartford Avenue East, Uxbridge	42.10036	-71.60112	3					3	8	4		WQ
W0680	Blackstone River	Blackstone River Road bridge, Worcester (prior to October 2002 at old Millbury Street location approximately 350 feet downstream/south of current bridge)	42.22778	-71.78736	3			1		3	8	4		WQ
W0767	Blackstone River	at USGS gage #01110500 near Sutton Street bridge, Northbridge	42.15387	-71.65204	3					3	8	4		WQ
W1017	Blackstone River	downstream/south of Singing Dam, Blackstone Street, Sutton	42.18086	-71.73011		5	5	6	5		5			WQ
W1018	Quinsigamond River	Pleasant Street, Grafton	42.19910	-71.69396		6	6	7	6		8	4		WQ
W1022	Peters River	Paine Street, Bellingham	42.02415	-71.48740	6	5	5	6	5	3	7		1	WQ
W1023	Blackstone River	Bridge Street/Canal Street (upstream of dam), Blackstone	42.01665	-71.53848	6	5	5	6	5	3	8	4		WQ

Unique ID (map link)	Waterbody	Description	Latitude	Longitude	Hardness	Nutrients	Suspended Solids	*E. coli*	Color	Metals	Attended Probe	Deployed Multiprobe	Deployed Thermistor	Site Type (WQ = water quality, LI = Lake or impoundment, TO = Thermistor only.
W1025	Mumford River	south of Gilboa Street, approximately 500 feet downstream of Gilboa Pond, just downstream of MA0001538 diffuser pipes, Douglas	42.08439	-71.69700	6	5	5	6	5	3	8	4		WQ
W1240	Blackstone River	approximately 60 feet upstream/north of Upper Blackstone WWTP (MA0102369) effluent channel confluence, Millbury	42.20864	-71.78211		5	5	7	5		8	4		WQ
W1241	Blackstone River	Blackstone River Canal, Pleasant Street, Grafton	42.18223	-71.70488		5	5	6	5		5			WQ
W1242	Blackstone River	Route 122A (below Fisherville Pond), Grafton	42.17729	-71.68788		5	5	6	5		5			WQ
W1243	Blackstone River	Depot Street, Grafton	42.17385	-71.68057		5	5	6	5		5			WQ
W1244	Blackstone River	Church Street, Northbridge	42.12965	-71.63645		5	5	6	5		8	4		WQ
W1246	Blackstone River	Route 16 (Mendon Street), Uxbridge	42.07985	-71.61966		5	5	6	5					WQ
W1255	Blackstone River	downstream/south of Route 90 overpass, directly upstream of the Worcester Flood Diversion Channel, Millbury	42.20641	-71.78098		5	5	7	5		8	4		WQ
W1256	Blackstone River	downstream/south of Route 90 overpass, directly downstream of the Worcester Flood Diversion Channel, Millbury	42.20596	-71.78075		1	1	1	1					WQ
W1282	Coal Mine Brook	Lake Avenue North, Worcester	42.29062	-71.75867		5	5	6	5		8	4		WQ
W1426	Unnamed Tributary	unnamed tributary to Coes Reservoir, locally considered part of Tatnuck Brook, upstream at June Street, Worcester	42.26230	-71.84823		5	5	6	5					WQ

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W1428	Taft Pond Brook	approximately 50 feet downstream from the unnamed dirt road west off the southern end of South Street, Upton	42.12766	-71.60365		5	5	6	5					WQ
W1432	West River	between Glen Avenue and Williams Street (below dilapidated dam), Upton	42.17306	-71.62975		5	5	6	5		11	4	1	WQ
W1439	Warren Brook	Route 140, Upton	42.17268	-71.62793		5	5	6	5		8	4		WQ
W1753	Poor Farm Brook	Route 70, Shrewsbury	42.30378	-71.76262		5	5	6	5		10	4	1	WQ
W1755	Emerson Brook	Route 146A (Quaker Highway), Uxbridge	42.04484	-71.62195		5	5	6	5		8	4		WQ
W1756	Arnolds Brook	Pinegrove Avenue, Bellingham	42.02727	-71.48547		5	5	6	5		8	4		WQ
W1758	West Brook	Sadler Avenue, Shrewsbury	42.28029	-71.74620		5	5	6	5		8	4		WQ
W1759	West River	Moroney Road, Grafton	42.18116	-71.64794		5	5	6	5		4			WQ
W1760	Muddy Brook	Bellingham Road, Mendon	42.09327	-71.51920		5	5	6	5		8	4		WQ
W1761	Sewall Brook	Sewall Street, Boylston	42.32500	-71.74089		5	5	6	5		10	4	1	WQ
W1762	Fox Brook	Route 122 (Main Street), Blackstone	42.01940	-71.53441		5	5	6	5		8	4		WQ
W1763	Blackstone River	Riverlin Street, Millbury	42.19289	-71.75182		5	5	6	5		8	4		WQ
W1764	Blackstone River	just upstream of Riverdale Dam, near Riverdale Street, Northbridge	42.13913	-71.63971		5	5	6	5		9	2		WQ
W1765	Blackstone River	Route 122 (Millville Road), Uxbridge	42.05496	-71.61630		5	5	6	5		5			WQ
W1766	Blackstone River	the Route 122 crossing nearest Middle Street, Blackstone	42.01686	-71.54548		5	5	6	5		8	4		WQ
W1767	Singletary Brook	Sycamore Street, Millbury	42.18278	-71.76605		5	5	6	5		8	4		WQ
W1768	Cold Spring Brook	Hazel Street, Uxbridge	42.07884	-71.65065		5	5	6	5		8	4		WQ
W1769	Cronin Brook	Follette Street, Grafton	42.18498	-71.71206		5	5	6	5		10	4	1	WQ

Unique ID (map link)	Waterbody	Description	Latitude	Longitude	Hardness	Nutrients	Suspended Solids	*E. coli*	Color	Metals	Attended Probe	Deployed Multiprobe	Deployed Thermistor	Site Type (WQ = water quality, LI = Lake or impoundment, TO = Thermistor only.
W1770	Unnamed Tributary	tributary to Blackstone River located entirely in Rhode Island; Branch River, upstream at Route 146, (Village of Slatersville) North Smithfield, Rhode Island	41.99661	-71.55766		5	5	6	5		8	4		WQ
W1771	Mill River	approximately 700 feet upstream of East School Street, Woonsocket, Rhode Island	42.01239	-71.51036		5	5	6	5		8	4		WQ
W1772	Peters River	Route 114, Woonsocket, Rhode Island	42.01550	-71.49304		5	5	6	5		8	4		WQ
W1779	Blackstone River	downstream of Rice City Pond sluice gate outlet, Uxbridge (downstream side of spillway from canal)	42.09776	-71.62256	3	5	5	6	5	3				WQ
W1893	Unnamed Tributary	unnamed tributary to the Blackstone River (locally known as Kettle Brook bypass) Greenwood Street, Millbury	42.20541	-71.78775		4	4	6	4					WQ
W1898	Blackstone River	approximately 500 feet downstream from railroad trestle nearest to Route 122, Millville (at USGS gage 01111230 site)	42.02272	-71.57054	3					3				WQ
W1902	Blackstone River	final effluent prior to release from Upper Blackstone WPAD discharge pipe, Millbury	42.21293	-71.78526	2	4			4					WQ
W1903	Unnamed Tributary	unnamed tributary to Blackstone River, the Upper Blackstone WPAD wet weather bypass channel just upstream of the final effluent release, Millbury	42.21303	-71.78533	2	4			4					WQ

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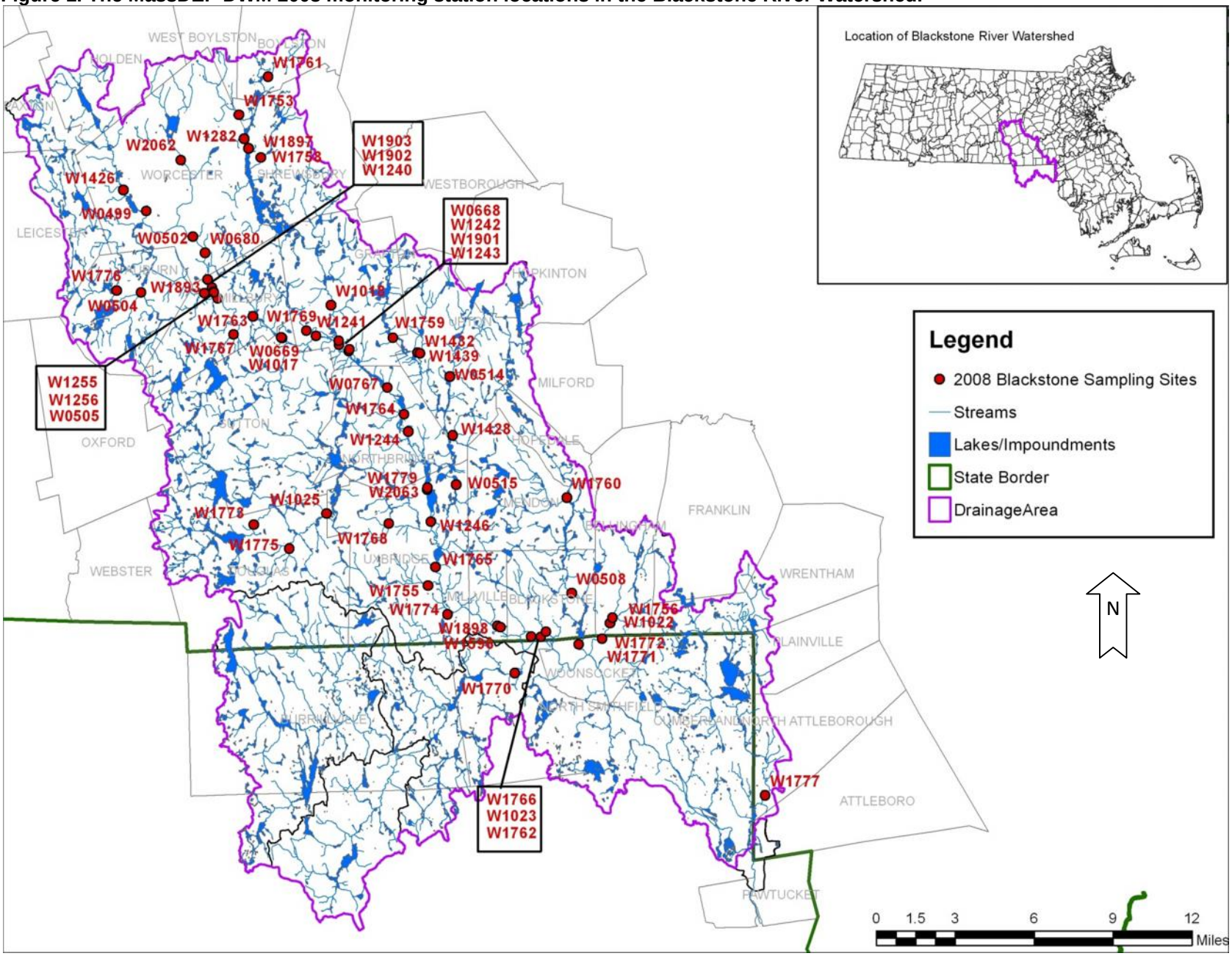
W2062	Unnamed Tributary	Culverted water locally called Mill Brook, (tributary to Blackstone River thru Salisbury Pond), approximately 240 feet downstream from where east and west pipes emerge from underground (Tire Warehouse, 195 Grove Street, Worcester).	42.27877	-71.80543	6	5	5	6	5	3	8	4		WQ
W1596	Blackstone River	approximately 1200 feet downstream from railroad trestle nearest to Route 122, Millville	42.02195	-71.56822							8	4		WQ
W0668	Blackstone River/Fisherville Pond	Fisherville Dam abutment, east side near gate structure (in impoundment of Blackstone River), Grafton	42.17958	-71.68816		2					4	2		LI
W0669	Blackstone River/Singing Dam Impoundment	approximately 170 feet upstream of Singing Dam (in impoundment of Blackstone River), Blackstone Street, Sutton	42.18122	-71.73068		2					4	2		LI
W1764	Blackstone River	just upstream of Riverdale Dam, near Riverdale Street, Northbridge	42.13913	-71.63971		2					9	2		LI
W1901	Blackstone River/Farnumsville Pond	approximately 160 feet upstream from Farnumsville Pond Dam (upstream of Depot Street), Grafton	42.17488	-71.68002		2					4	2		LI
W2063	Blackstone River/Rice City Pond	approximately 150 feet upstream and east of sulice way at Hartford Avenue East, Uxbridge	42.09872	-71.62231		2					4	2		LI

Unique ID (map link)	Waterbody	Description	Latitude	Longitude	Hardness	Nutrients	Suspended Solids	*E. coli*	Color	Metals	Attended Probe	Deployed Multiprobe	Deployed Thermistor	Site Type (WQ = water quality, LI = Lake or impoundment, TO = Thermistor only.
W1773	Unnamed Tributary	unnamed tributary to Mumford River (downstream of Whitin Reservoir), Conservation Drive, Douglas	42.07803	-71.75075							2		1	TO
W1774	Bacon Brook	Route 146A (Quaker Highway), Uxbridge	42.02892	-71.60741							2		1	TO
W1775	Centerville Brook	Route 16, Douglas	42.06497	-71.72424							2		1	TO
W1776	Dark Brook	Berlin Street, Auburn	42.20671	-71.85282							2		1	TO
W1777	Abbott Run	approximately 300 feet upstream of Mendon Road, North Attleborough	41.92927	-71.37272							2		1	TO
W1897	Lake Quinsigamond	off the southeastern end of the floating dock at Eastern Point Condominiums (Eastern Point Drive), Shrewsbury	42.28532	-71.75535							2		1	TO

Table 3. The MassDEP DWM 2008 Blackstone River Watershed Survey – Number of water quality sites sampled by date and by analyte (does not include water quality sonde deployments).

Analyte	29-Apr	1-May	26-May	27-May	29-May	19-Jun	23-Jun	24-Jun	26-Jun	8-Jul	10-Jul	4-Aug	5-Aug	6-Aug	7-Aug	25-Aug	26-Aug	27-Aug	28-Aug	11-Sep	12-Sep	22-Sep	6-Nov
Total Nitrogen	25	19	2	25	19		2	25	19			2	26		19	2	25		19				
Nitrate/Nitrite-N	25		2	25			2	25				2	26			2	25						
Ammonia-N	25	19	2	25	19		2	25	19			2	26		19	2	25		19				
Total Phosphorus	25	19	2	25	19		2	25	19			2	26	5	19	2	25	5	19				
Dissolved Reactive Phosphorus	25		2	25			2	25				2	26			2	25						
Total Reactive Phosphorus														5				5					
E. coli	25	19		25	19			25	19	25	19		26		19		25		19				6
Suspended Solids	25	19		25	19			25	19				26		19		25		19				
True Color	25	19	2	25	19		2	25	19			2	26		19	2	25		19				
Turbidity	25	19	2	25	19		2	25	19			2	26		19	2	25		19				6
Hardness	3	3	2	3	3	11	2	3	3											5	6	11	
Metals						11														5	6	11	

Figure 1. The MassDEP DWM 2008 monitoring station locations in the Blackstone River Watershed.



Survey Conditions

Precipitation and stream discharge data were analyzed to estimate hydrological conditions during the 2008 water quality surveys in the Blackstone River Watershed. Precipitation data collected during the survey period in 2008 were downloaded from the National Oceanic and Atmospheric Administration (NOAA), National Climatic Data Center (NCDC) for the Worcester Regional Airport, Worcester, MA, (94746). Data were downloaded from http://www.ncdc.noaa.gov/cdo-web/#t=firstTabLink and http://cdo.ncdc.noaa.gov/qclcd/QCLCD. The precipitation totals on the water quality survey dates and the five days prior to the survey dates were extracted from the records. In addition, the monthly precipitation totals for 2008 and the twenty-year monthly averages for the weather station were downloaded to determine if precipitation amounts in 2008 were above or below normal (Table 4).

Table 4. Total monthly precipitation in 2008 at the Worcester Regional Airport, Worcester MA and the twenty-year monthly average precipitation totals (NOAA 2013).

Month	2008 Rainfall at Worcester Airport (inches)	20-Year Average Rainfall (1981-2000)
	Map Link	
January	2.45	3.49
February	9.68	3.23
March	5.62	4.21
April	4.24	4.11
May	2.45	4.19
June	5.55	4.19
July	7.97	4.23
August	3.53	3.71
September	9.22	3.93
October	2.62	4.68
November	4.25	4.28
December	5.63	3.82

Stream discharge data from three real-time United States Geological Survey (USGS) stream gage stations (Table 5) were downloaded from the USGS (USGS 2013a). In addition, the 7Q10 for each gage station was calculated using USGS StreamStats 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 Blackstone River Watershed during the 2008 DWM water quality surveys and the estimated 7Q10 flows for each gage. (USGS 2013a, 2013b). 7Q10 Statistics were obtained from the USGS via http://streamstatsags.cr.usgs.gov/gages/viewer15.htm?stabbr=GAGES, http://streamstats.usgs.gov/massachusetts.html, or Ries 1998.

Site Name	Period of Record	7Q10 (cfs)	Remarks	Lat/Long with Map Link
01110000 Quinsigamond River at North Grafton, MA	October 1939 to current year.	0.6	Occasional regulation at Lake Quinsigamond 2.3 mi upstream and at the ponds upstream.	42.23028 -71.71139
01111500 Branch River at Forestdale, RI	Discharge: September to December 1909 and January 1912 to July 1913 (Gage Heights Only; Published as "at Branch Village"), January 1940 to current year.	12.8	Occasional regulation at the pond upstream. Prior to 1957, greater regulation at the mills and reservoirs upstream.	41.99639 -71.56306
01112500 Blackstone River at Woonsocket, RI	Discharge: February 1929 to current year.	96.0	Flow regulated at powerplants, at the West Hill Reservoir since May 1961, and at other reservoirs upstream. Extremes and figures of daily discharge include flow diverted from Nashua River basin and, at times since January 1966, from Quabbin Reservoir for supply of Worcester, MA, and, prior to July 1964, flow diverted around station in Hamlet Trench.	42.00611 -71.50361

Table 6. The precipitation totals (inches) and daily average discharge (cubic feet per second) for five days prior to and each DWM 2008 Blackstone River Watershed survey or deploy date (USGS 2013a,NOAA 2013).

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.

Sampling Date	Precipitation at Worcester Airport	Discharge (percent exceeded)		
		01110000 Quinsigamond River at North Grafton, MA	01111500 Branch River at Forestdale, RI	01112500 Blackstone River at Woonsocket, RI
4/24	0	34 (46.1)	100 (56.6)	577 (47.9)
4/25	0	30 (50.0)	92 (59.2)	577 (47.9)
4/26	0	27 (53.3)	88 (60.6)	614 (45.4)
4/27	0.02	26 (54.5)	89 (60.3)	460 (56.4)
4/28	1.65	37 (43.3)	113 (52.6)	615 (45.4)
4/29	0.49	117 (9.5)	469 (6.4)	1980 (7.1)
4/30	0	135 (7.2)	512 (5.2)	2490 (3.8)
5/1	0	107 (11.2)	331 (13.2)	1810 (8.8)
5/14	0	32 (48.1)	122 (50.0)	611 (45.6)
5/15	0	30 (50.0)	114 (52.3)	573 (48.2)
5/16	0.5	31 (49.0)	116 (51.8)	564 (48.8)
5/17	0.34	46 (35.3)	200 (30.0)	858 (31.8)
5/18	0.01	44 (36.9)	242 (22.6)	915 (29.4)
5/19	0	40 (40.7)	198 (30.4)	781 (35.5)
5/20	0	33 (46.9)	154 (41.3)	673 (41.5)
5/21	0.13	30 (50.0)	129 (48.0)	598 (46.5)
5/22	0	29 (51.2)	120 (50.7)	577 (47.9)
5/26	0	19 (63.0)	91 (59.5)	410 (60.5)
5/27	0.43	18 (64.4)	75 (65.0)	369 (64.0)
5/28	0	22 (59.4)	69 (67.2)	376 (63.3)
5/29	0	19 (63.0)	64 (69.1)	343 (66.3)
6/14	0	9.1 (78.0)	29 (87.8)	154 (91.4)
6/15	0.13	10 (76.0)	34 (83.6)	171 (88.4)
6/16	0.49	10 (76.0)	43 (78.2)	243 (77.5)
6/17	0.16	19 (63.0)	97 (57.5)	408 (60.6)
6/18	0.06	18 (64.4)	83 (62.2)	361 (64.6)
6/19	0	15 (68.0)	66 (68.3)	278 (73.1)
6/20	0.14	14 (69.9)	54 (72.9)	227 (79.6)
6/21	0	14 (69.9)	50 (74.9)	205 (82.8)
6/22	0.01	11 (75.1)	46 (76.8)	200 (83.7)
6/23	2.8	31 (49.0)	40 (79.6)	185 (86.1)
6/24	0.2	81 (18.1)	43 (78.2)	755 (36.9)
6/25	0	68 (23.4)	45 (77.2)	582 (47.5)

Sampling Date	Precipitation at Worcester Airport	Discharge (percent exceeded)		
		01110000 Quinsigamond River at North Grafton, MA	01111500 Branch River at Forestdale, RI	01112500 Blackstone River at Woonsocket, RI
6/26	0.01	51 (31.9)	39 (80.2)	428 (59.0)
7/3	0.33	36 (44.3)	28 (88.8)	309 (69.6)
7/4	0.23	41 (39.7)	27 (89.8)	299 (70.8)
7/5	0.03	37 (43.3)	29 (87.8)	298 (70.9)
7/6	0	31 (49.0)	31 (86.1)	253 (76.1)
7/7	0	26 (54.5)	30 (87.0)	227 (79.6)
7/8	0	22 (59.4)	30 (87.0)	197 (84.1)
7/9	0.72	18 (64.4)	27 (89.8)	177 (87.4)
7/10	0	28 (52.3)	25 (91.2)	191 (85.0)
7/27	1.28	71 (22.2)	81 (62.8)	745 (37.4)
7/28	0.07	83 (17.3)	107 (54.4)	988 (26.5)
7/29	0	67 (23.7)	87 (60.9)	783 (35.4)
7/30	0	50 (32.5)	63 (69.4)	590 (47.0)
7/31	0.56	42 (38.9)	49 (75.3)	460 (56.4)
8/1	0	52 (31.2)	41 (79.1)	452 (57.0)
8/2	0.73	49 (33.2)	38 (80.8)	400 (61.3)
8/3	0.2	56 (29.2)	34 (83.6)	470 (55.6)
8/4	0.07	49 (33.2)	29 (87.8)	406 (60.7)
8/5	0.08	44 (36.9)	26 (90.5)	328 (67.7)
8/6	0.56	44 (36.9)	33 (84.4)	345 (66.2)
8/7	0.64	77 (19.6)	39 (80.2)	488 (54.3)
8/17	0	45 (36.1)	204 (29.1)	960 (27.6)
8/18	0	37 (43.3)	121 (50.3)	698 (40.1)
8/19	0.05	33 (46.9)	86 (61.2)	556 (49.4)
8/20	0	28 (52.3)	69 (67.2)	463 (56.1)
8/21	0	22 (59.4)	58 (71.3)	390 (62.1)
8/22	0	21 (60.6)	49 (75.3)	324 (68.0)
8/23	0	18 (64.4)	43 (78.2)	307 (69.8)
8/24	0	16 (66.8)	38 (80.8)	271 (74.0)
8/25	0	15 (68.0)	36 (82.0)	244 (77.4)
8/26	0	14 (69.9)	27 (89.8)	210 (82.1)
8/27	0	11 (75.1)	25 (91.2)	197 (84.1)
8/28	0	10 (76.0)	23 (92.9)	181 (86.7)
9/6	4.79	12 (73.1)	66 (68.3)	288 (71.9)
9/7	0.12	246 (2.3)	388 (9.7)	1880 (8.1)
9/8	0	231 (2.5)	200 (30.0)	2590 (3.3)
9/9	0.68	160 (5.2)	111 (53.2)	1280 (17.7)
9/10	0	123 (8.7)	110 (53.5)	1100 (22.7)

Sampling Date	Precipitation at Worcester Airport	Discharge (percent exceeded)		
		01110000 Quinsigamond River at North Grafton, MA	01111500 Branch River at Forestdale, RI	01112500 Blackstone River at Woonsocket, RI
9/11	0	88 (15.6)	84 (61.9)	858 (31.8)
9/12	0.28	66 (24.1)	63 (69.4)	700 (40.0)
9/17	0	42 (38.9)	74 (65.3)	616 (45.3)
9/18	0	35 (45.2)	58 (71.3)	538 (50.7)
9/19	0	29 (51.2)	49 (75.3)	479 (55.0)
9/20	0	25 (55.8)	44 (77.7)	433 (58.6)
9/21	0	22 (59.4)	43 (78.2)	398 (61.4)
9/22	0	20 (61.8)	41 (79.1)	376 (63.3)
11/1	0	31 (49.0)	146 (43.3)	637 (43.9)
11/2	0	27 (53.3)	187 (33.0)	636 (43.9)
11/3	0	23 (58.0)	182 (34.3)	614 (45.4)
11/4	0	22 (59.4)	154 (41.3)	572 (48.2)
11/5	0.14	21 (60.6)	143 (44.2)	529 (51.3)
11/6	0.78	26 (54.5)	173 (36.6)	587 (47.2)

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 2008c).

Table 7. 2008 Field observations from the MassDEP DWM Blackstone River Watershed water quality 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 2008c)

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
W0499	5/1	N	Clear	Clear	N	NR	NR	M	NR	No		No		
W0499	5/29	Musty	Clear	Light Yellow/Tan	N	NR	NR	D	M	No		No		
W0499	6/26	N	Clear	Clear	N	NR	NR	NR	S	No		No		
W0499	7/10	N	Slightly Turbid	Light Yellow/Tan	N	NR	NR	NR	NR	No		Yes	trash	
W0499	8/7	N	Clear	Clear	N	N	N	N	N	No		Yes	Trash	
W0499	8/28	N	Clear	Clear	N	N	N	N	N	No		Yes	Trash.	
W0502	4/29	N	Clear	Light Yellow/Tan	U	U	U	U	U	No		No		
W0502	5/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0502	5/27	N	Clear	Clear	N	NR	S	NR	NR	No		No		Noted deployed probe case broken + probe in water, so we collected hydrolab data (made up # 51-0999 and used in hydrolab) & picked up probe (for fieldsheet entry used number pre-assigned for QC on intended probe pickup date of 5/28/08 of 51-0822, see fieldsheet

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
W0502	6/19	N	Slightly Turbid	Grayish	Sparse	N	N	N	N	No		Yes	light trash	
W0502	6/23	N	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W0502	6/24	Musty	Slightly Turbid	Light Yellow/Tan	N	N	N	N	N	No		No		
W0502	7/8	N	Clear	Clear	N	U	U	U	S	No		No		
W0502	8/4	U	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0502	8/5	Creosote	Clear	Light Yellow/Tan	N	NR	M	NR	NR	No		No		
W0502	8/25	U	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W0502	8/26	Musty	Clear	Clear	N	NR	NR	D	NR	No		No		Inter-laboratory QC Split Site
W0502	9/12	N	Clear	Light Yellow/Tan	N	NR	S	NR	NR	No		No		
W0502	9/22	Musty	Clear	Light Yellow/Tan	N	NR	M	NR	NR	No		No		
W0502	11/6	N	Clear	Light Yellow/Tan	NR	NR	NR	NR	NR	No		Yes	trash; light	
W0504	5/1	N	Clear	Light Yellow/Tan	N	S	NR	NR	NR	No		Yes	litter on bank	
W0504	5/29	N	Clear	Light Yellow/Tan	N	M	NR	NR	NR	No		No		
W0504	6/26	Rotting Vege-tables	Clear	Light Yellow/Tan	N	NR	S	NR	NR	No		No		
W0504	7/10	N	Clear	Clear	N	NR	D	NR	NR	No		Yes	light trash	
W0504	8/7	Musty	Clear	Light Yellow/Tan	N	NR	M	M	NR	No		No		gage 0.71
W0504	8/28	Musty	Clear	Light Yellow/Tan	N	NR	M	NR	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
W0505	4/29	Effluent (Treated)	Highly Turbid	Grayish	U	U	U	U	U	Yes	oily sheens, petroleum based	No		
W0505	5/27	Effluent (Treated)	Slightly Turbid	Grayish	N	NR	D	NR	NR	Yes	foam	No		
W0505	6/24	Effluent (Treated)	Highly Turbid	Clear	U	U	U	U	U	No		U		
W0505	7/8	Effluent (Treated)	Clear	Grayish	N	NR	S	NR	S	No		No		
W0505	8/5	Effluent (Treated)	Slightly Turbid	Grayish	N	NR	D	NR	NR	No		Yes	Trash	
W0505	8/26	Effluent (Treated)	Clear	Clear	Moderate	NR	NR	NR	S	Yes	pollen/ dust blanket	No		
W0505	11/6	Effluent (Treated)	Slightly Turbid	Grayish	U	U	U	U	U	No		Yes	Trash.	
W0508	5/1	N	Clear	Clear	Sparse	N	N	N	N	No		No		
W0508	5/29	Musty	Clear	Clear	N	NR	NR	NR	S	No		No		
W0508	6/19	Musty	Clear	Clear	N	NR	S	NR	S	Yes	natural foam	No		
W0508	6/26	N	Clear	Clear	Sparse	S	NR	NR	M	No		Yes	trash; light trash	
W0508	7/10	N	Clear	Clear	N	NR	NR	NR	D	No		No		
W0508	8/7	N	Clear	Light Yellow/Tan	Sparse	D	NR	NR	S	Yes	Foam natural	No		
W0508	8/28	Musty	Clear	Light Yellow/Tan	Sparse	NR	M	NR	S	Yes	Foam.	No		Plants taken for ID
W0508	9/12	N	Clear	Light Yellow/Tan	Sparse	NR	NR	NR	M	Yes	foam; natural.	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
W0508	9/22	Musty	Clear	Light Yellow/Tan	Sparse	NR	S	NR	NR	Yes	Foam. Large foam mat near bank- looks natural.	No		another truck here upstream with pump? mosquito control? sprayer?
W0514	5/1	N	Clear	Clear	N	NR	NR	NR	M	No		No		
W0514	5/29	N	Clear	Light Yellow/Tan	NR	NR	M	NR	M	No		No		
W0514	6/26	N	Clear	Dark Tan	N	NR	NR	NR	D	No		No		
W0514	6/26	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0514	7/10	N	Clear	Clear	N	NR	NR	NR	M	No		No		
W0514	8/7	Musty	Clear	Light Yellow/Tan	N	NR	NR	NR	M	No		Yes	Trash (light trash)	
W0514	8/28	N	Clear	Clear	N	NR	NR	S	D	No		No		Downstream side
W0515	5/23	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0515	6/19	N	Clear	Light Yellow/Tan	Moderate	NR	NR	NR	M	No		No		
W0515	6/23	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0515	8/4	Musty	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0515	8/25	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0515	9/11	N	Clear	Light Yellow/Tan	U	U	U	U	U	No		No		
W0515	9/22	Musty	Clear	Light Yellow/Tan	Moderate	U	U	U	U	No		No		
W0668	8/4	N	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
W0668	8/6	Effluent (Treated)	Moderately Turbid	Grayish	N					Yes	oily sheens, foam; foam against debris on bank	Yes	trash; 2 tires and plastic	
W0668	8/25	Chlorine	Moderately Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0668	8/27	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	U					Yes	Pollen/ dust blankets	No		
W0669	8/4	Chlorine	Moderately Turbid	Grayish	Not Applicable - Probe Deploy Field Sheet									
W0669	8/6	Effluent (Treated)	Highly Turbid	Grayish	N					No		No		
W0669	8/25	Chlorine	Moderately Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0669	8/27	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	Sparse					Yes	Pollen/ dust blankets	No		
W0680	5/23	Musty	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0680	6/19	N	Slightly Turbid	Grayish	N	NR	S	NR	NR	No		No		
W0680	6/23	Musty	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W0680	8/4	N	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W0680	8/25	Musty	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
W0680	9/11	Oil	Clear	Light Yellow/Tan	U	U	U	U	U	Yes	Foam. Likely natural.	No		
W0680	9/22	Musty	Clear	Light Yellow/Tan	N	NR	S	NR	NR	No		No		
W0680	11/6	N	Slightly Turbid	Grayish	NR	NR	NR	NR	NR	No		Yes	Trash. Moderate.	
W0767	5/23	sewage/ septic	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W0767	6/19	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	Yes	Foam	Yes	trash; light trash	
W0767	6/23	Musty	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W0767	8/4	N	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W0767	8/25	sewage/ septic	Slightly Turbid	Grayish	Not Applicable - Probe Deploy Field Sheet									
W0767	9/11	Effluent (Treated)	Slightly Turbid	Clear	U	U	U	U	U	No		No		
W0767	9/22	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	N	NR	M	NR	NR	Yes	Foam. Some foam spots- no visible aeration but may be natural.	No		
W1017	4/29	Effluent (Treated)	Moderately Turbid	Grayish	U	U	U	U	U	No		U		

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
W1017	5/27	Effluent (Treated)	Slightly Turbid	Grayish	N	S	NR	NR	D	Yes	foam; tons of foam.	Yes	toilet paper foam, toilet paper	pungent odor in air and water; I find it aesthetically displeasing; foam sticks to stick.
W1017	6/24	Effluent (Treated)	Highly Turbid	Clear	U	U	U	U	U	No		U		
W1017	7/8	Effluent (Treated) strong odor	Clear	Grayish	U	NR	M	NR	D	Yes	Foam (lots of white foam covering still water areas)	Yes	Trash (pipes metal)	
W1017	8/5	Effluent (Treated)	Slightly Turbid	Grayish	N	NR	D	NR		No		Yes	Trash (light)	
W1017	8/26	Effluent (Treated)	Clear	Light Yellow/Tan	U	U	U	U	U	Yes	foam; ridiculous amounts of foam, strong effluent smell in air.	No		Curly leaf pond weed found on probe during attended work.
W1018	4/29	N	Slightly Turbid	Clear	U	U	U	U	U	Yes	foam; minor	Yes	trash	
W1018	5/23	Musty	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1018	5/27	N	Clear	Light Yellow/Tan	N	M	NR	NR	NR	No		No		
W1018	6/23	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
W1018	6/24	N	Moderately Turbid	Clear	N	N	N	N	N	No		No		
W1018	7/8	Musty	Clear	Clear	N	NR	D	NR	M	No		No		
W1018	8/4	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1018	8/5	N	Clear	Light Yellow/Tan	Sparse	NR	NR	NR	S	No		Yes	Trash (light trash)	
W1018	8/25	Musty	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1018	8/26	Musty	Clear	Clear	NR	NR	NR	NR	S	No		No		
W1022	5/1	N	Clear	Light Yellow/Tan	N	N	N	N	N	No		No		
W1022	5/29	N	Slightly Turbid	Reddish	NR	M	VD	NR	D	No		Yes	trash light	
W1022	6/19	Musty	Clear	Light Yellow/Tan	NR	NR	S	NR	S	Yes	foam; mostly natural	Yes	Light trash on banks	
W1022	6/26	Musty	Clear	Light Yellow/Tan	N	S	S	NR	S	No		No		
W1022	6/26	N	Moderately Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1022	7/10	N	Slightly Turbid	Clear	N	NR	NR	NR	M	Yes	pollen/dust blankets; minimal	No		
W1022	8/7	N	Clear	Light Yellow/Tan	N	NR	NR	NR	M	Yes	Foam (natural)	No		
W1022	8/28	N	Clear	Clear	N	NR	M	M	D	No		No		
W1022	9/12	N	Clear	Light Yellow/Tan	N	NR	NR	S	M	No		Yes	trash; in river bed, light.	

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
W1022	9/22	N	Slightly Turbid	Light Yellow/Tan	N	NR	S	NR	M	Yes	foam; appears to be natural aeration .	No		
W1023	4/29	Effluent (Treated)	Slightly Turbid	Clear	U	U	U	U	U	No		No		
W1023	5/23	N	Slightly Turbid	Grayish	Not Applicable - Probe Deploy Field Sheet									
W1023	5/27	Effluent (Treated)	Clear	Light Yellow/Tan	NR	U	U	U	U	Yes	foam	No		
W1023	6/19	Musty	Clear	Light Yellow/Tan	Sparse	S	NR	NR	NR	No		Yes	trash; light trash on banks and in bed	
W1023	6/23	U	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1023	6/24	Musty	Moderately Turbid	Clear	U	U	U	U	U	No		U		
W1023	7/8	N	Moderately Turbid	Brownish	U	U	U	U	U	Yes	duck weed	No		
W1023	8/4	effluent	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1023	8/5	N	Slightly Turbid	Light Yellow/Tan	Sparse	U	U	U	U	Yes	Foam (minor foam)	U	no	
W1023	8/25	U	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1023	8/26	Effluent (Treated)	Moderately Turbid	Light Yellow/Tan	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
W1023	9/12	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	U	NR	NR	M	NR	No		No		
W1023	9/22	Effluent (Treated)	Clear	Light Yellow/Tan	N	U	U	U	U	No		Yes	Trash. Trash on bank and in water near bank.	
W1025	4/29	N	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1025	5/19	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1025	5/27	Musty	Clear	Clear	N	NR	NR	NR	D	No		No		
W1025	6/19	Pond	Clear	Clear	Sparse	NR	D	M	NR	No		No		
W1025	6/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1025	6/24	Musty	Clear	Clear	Sparse	NR	S	NR	M	No		Yes	trash: plastic	
W1025	7/8	N	Clear	Clear	Moderate	NR	NR	D	M	No		No		
W1025	8/1	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1025	8/5	N	Clear	Clear	N	NR	D	NR	M	No		No		
W1025	8/22	earthy	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1025	8/26	Musty	Clear	Clear	N	NR	M	NR	M	Yes	Foam. Minor foam.	No		
W1025	9/12	Musty	Clear	Light Yellow/Tan	N	NR	S	NR	NR	No		No		
W1025	9/22	N	Clear	Clear	Sparse	NR	M	NR	NR	No		Yes	Trash. Light.	
W1240	4/29	N	Slightly Turbid	Grayish	U	U	U	U	U	No		No		
W1240	5/23	not possible too many smells…	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1240	5/27	N	Clear	Clear	N	M	NR	NR	NR	No		No		
W1240	6/23	sewage/ septic	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
W1240	6/24	Musty	Moderately Turbid	Light Yellow/Tan	Sparse	N	N	N	N	Yes	oily sheens	No		
W1240	7/8	NR	Clear	Clear	N	N	M	S	N	No		No		
W1240	8/4	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1240	8/5	N	Clear	Grayish	N	D	NR	NR	NR	No		Yes	Other (sewage fungus)	
W1240	8/25	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1240	8/26	Wet peat moss	Slightly Turbid	Clear	N	NR	NR	M	NR	Yes	other; white fungus	Yes	white floating fungus	
W1240	11/6	N	Slightly Turbid	Grayish	N	VD	NR	NR	NR	No		Yes	sewage fungus covering bottom	
W1241	4/29	Effluent (Treated)	Moderately Turbid	Grayish	U	U	U	U	U	No		No		
W1241	5/27	Effluent (Treated)	Clear	Grayish	N	M	NR	NR	M	Yes	foam; lots of foam	No		downstream of treatment plant?
W1241	6/24	Effluent (Treated)	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1241	7/8	Effluent (Treated)	Slightly Turbid	Grayish	N	N	N	N	N	No		No		
W1241	8/5	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	N	U	U	U	U	No		No		
W1241	8/26	N	Slightly Turbid	Brownish	U	U	U	U	U	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
W1242	4/29	Effluent (Treated)	Highly Turbid	Grayish	U	U	U	U	U	Yes	foam; small amount from upstrea m dam?	U		
W1242	5/27	Effluent (Treated)	Slightly Turbid	Grayish	N	NR	D	NR	NR	No		No		
W1242	6/24	Soapy	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1242	7/8	Effluent (Treated)	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1242	8/5	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	Sparse	N	N	N	N	No		Yes	Trash (light trash)	
W1242	8/26	Effluent (Treated)	Clear	Clear	Sparse	S	NR	NR	NR	No		No		
W1243	4/29	Effluent (Treated)	Highly Turbid	Grayish	U	U	U	U	U	Yes	foam;, after flowing over roll dam	U		
W1243	5/27	Effluent (Treated)	Slightly Turbid	Grayish	U	U	U	U	U	No		No		
W1243	6/24	Effluent (Treated)	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1243	7/8	N	Moderately Turbid	Dark Tan	U	U	U	U	U	No		Yes	Trash	
W1243	8/5	Effluent (Treated)	Clear	Light Yellow/Tan	U	U	U	U	U	No		Yes	Trash (light trash)	
W1243	8/26	Effluent (Treated)	Slightly Turbid	Clear	N	S	NR	NR	NR	No		Yes	trash, fencing under bridge	
W1244	4/29	Effluent (Treated)	Moderately Turbid	Grayish	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
W1244	5/23	sewage/ septic	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1244	5/27	N	Slightly Turbid	Brownish	U	U	U	U	U	No		No		
W1244	6/23	N	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1244	6/24	Effluent (Treated)	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1244	7/8	Effluent (Treated)	Moderately Turbid	Clear	Sparse	U	U	U	U	No		No		
W1244	8/4	Musty	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1244	8/5	Effluent (Treated)	Slightly Turbid	Clear	U	U	U	U	U	No		No		
W1244	8/25	sewage/ septic	Slightly Turbid	Grayish	Not Applicable - Probe Deploy Field Sheet									
W1244	8/26	Effluent (Treated)	Clear	Clear	Sparse	NR	S	NR	S	No		No		
W1246	4/29	Musty	Moderately Turbid	Grayish	U	U	U	U	U	No		U		
W1246	5/27	N	Slightly Turbid	Grayish	U	U	U	U	U	No		No		
W1246	6/24	Effluent (Treated)	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1246	7/8	N	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1246	8/5	Musty	Moderately Turbid	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
W1246	8/26	N	Moderately Turbid	Clear	U	U	U	U	U	No		No		
W1255	4/29	Effluent (Treated)	Moderately Turbid	Grayish	U	U	U	U	U	No		No		
W1255	5/23	sewage/ septic	Moderately Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1255	5/27	N	Clear	Grayish	N	N	N	N	N	Yes	foam	No		
W1255	6/23	sewage/ septic	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1255	6/24	Effluent (Treated)	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1255	7/8	Effluent (Treated)	Clear	Grayish	N	N	N	N	N	No		No		
W1255	8/4	sewage/ septic	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1255	8/5	Effluent (Treated)	Slightly Turbid	Grayish	N	N	N	N	N	No		Yes	Other (sewage fungus)	
W1255	8/25	sewage/ septic	Slightly Turbid	Grayish	Not Applicable - Probe Deploy Field Sheet									
W1255	8/26	Effluent (Treated)	Clear	Clear	N	NR	NR	M	NR	No		Yes	tire	moderate sewage fungus
W1255	11/6	Effluent (Treated)	Slightly Turbid	Grayish	U	U	U	U	U	No		Yes	Trash. Moderate.	
W1256	4/29	Effluent (Treated)	Moderately Turbid	Grayish	U	U	U	U	U	Yes	oily sheen	No		Samples NOT likely to be representative, river not completely mixed here, flow from diversion channel
W1282	5/1	N	Clear	Clear	N	S	NR	NR	NR	No		No		
W1282	5/19	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
W1282	5/29	N	Clear	Clear	N	N	N	N	N	No		No		
W1282	6/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1282	6/26	N	Clear	Clear	N	N	N	N	N	No		No		
W1282	7/10	N	Clear	Clear	N	N	N	N	N	No		Yes	trash; moderate (not impairable) DD.	
W1282	8/1	N	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									
W1282	8/7	N	Slightly Turbid	Clear	N	N	N	N	N	No		No		
W1282	8/22	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1282	8/28	N	Clear	Clear	N	NR	S	NR	NR	No		No		
W1426	5/1	N	Clear	Clear	N	NR	S	NR	NR	No		Yes	trash; small amount	
W1426	5/29	N	Clear	Clear	N	S	NR	NR	NR	No		No		
W1426	6/26	Musty	Clear	Clear	N	N	N	N	N	No		No		
W1426	7/10	Musty	Slightly Turbid	Grayish	N	N	N	N	N	No		No		
W1426	8/7	Musty	Clear	Clear	Sparse	S	M	S	S	No		No		
W1426	8/28	Musty	Clear	Clear	N	M	S	NR	S	No		No		
W1428	5/1	Musty	Clear	Clear	N	N	N	N	N	No		No		
W1428	5/29	N	Clear	Clear	NR	NR	S	NR	NR	Yes	pollen/ dust blankets , low flow so layer on surface	No		low flow with pollen on surface, may go dry late in summer
W1428	6/26	N	Clear	Light Yellow/Tan	N	S	NR	NR	NR	No		Yes	trash; concrete cylinder	
W1428	7/10	N	Slightly Turbid	Clear	N	N	N	N	N	Yes	oily sheens	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
W1428	8/7	Musty	Clear	Clear	N	N	N	N	N	No		Yes	Trash (concrete tubes)	
W1428	8/28	N	Clear	Light Yellow/Tan	N	NR	M		S	No		No		tablet lost from bacteria bottle, upstream side barely flowing (ponded), collected on downstream side flowing
W1432	5/1	Musty	Clear	Brownish	N	U	U	U	U	No		No		
W1432	5/19	Musty	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1432	5/29	Musty	Clear	Brownish	N	U	U	U	U	Yes	natural foam	No		
W1432	6/20	N	Clear	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1432	6/26	Musty	Clear	Light Yellow/Tan	N	NR	NR	NR	M	Yes	foam; natural from waterfall	No		conditions too hazardous for both to be in stream so duplicates collected sequential
W1432	6/26	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1432	7/10	Musty	Clear	Light Yellow/Tan	N	NR	NR	NR	D	Yes	foam; natural foam	No		
W1432	8/1	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1432	8/7	N	Clear	Dark Tan	N	NR	NR	NR	M	Yes	Foam (large globs below outfall in pool)	No		both outlets flowing, lots of poison ivy

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
W1432	8/22	Musty	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1432	8/28	Musty	Slightly Turbid	Light Yellow/Tan	N	NR	NR	NR	D	Yes	foam; from dam.	No		
W1439	5/1	N	Clear	Clear	N	N	N	N	N	No		No		
W1439	5/19	NR	NR	NR	Not Applicable - Probe Deploy Field Sheet									
W1439	5/29	N	Clear	Clear	N	N	N	N	N	No		No		slight flow from storm drain at bridge abutment on left bank, does not impact sample
W1439	6/20	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1439	6/26	N	Clear	Clear	N	NR	NR	NR	S	No		No		
W1439	7/10	N	Clear	Clear	N	N	N	N	N	No		No		
W1439	8/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1439	8/7	N	Clear	Light Yellow/Tan	N	NR	S	NR	S	No		No		one dripping storm drain upstream, one dry storm drain upstream
W1439	8/22	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1439	8/28	N	Clear	Light Yellow/Tan	N	N	N	N	N	No		No		
W1596	5/19	Sulfide (rotten egg)	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1596	6/20	Musty	Slightly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									
W1596	8/1	Musty	Highly Turbid	Clear	Not Applicable - Probe Deploy Field Sheet									
W1596	8/22	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1753	5/1	N	Clear	Clear	N	NR	D	NR	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
W1753	5/19	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1753	5/29	N	Clear	Clear	N	N	N	N	N	No		Yes	trash; car top carrier?	
W1753	6/20	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1753	6/26	N	Clear	Clear	N	N	N	N	N	No		No		
W1753	6/26	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1753	7/10	N	Clear	Clear	N	N	N	N	N	No		No		
W1753	8/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1753	8/7	N	Clear	Clear	N	N	N	N	N	No		Yes	Trash	
W1753	8/22	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1753	8/28	N	Clear	Clear	N	S	D	NR	NR	No		No		
W1755	5/1	N	Clear	Clear	N	N	N	N	N	No		No		
W1755	5/19	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1755	5/29	N	Clear	Light Yellow/Tan	N	M	NR	NR	M	No		No		
W1755	6/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1755	6/26	N	Clear	Clear	N	M	NR	NR	S	No		No		
W1755	7/10	N	Clear	Clear	N	NR	NR	NR	M	No		No		
W1755	8/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1755	8/7	N	Clear	Clear	N	NR	NR	NR	S	No		No		
W1755	8/22	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1755	8/28	N	Clear	Light Yellow/Tan	N	NR	S	NR	S	No		No		
W1756	5/1	N	Clear	Clear	N	M	NR	NR	NR	No		No		
W1756	5/19	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1756	5/29	N	Clear	Clear	Sparse	M	NR	NR	M	No		No		
W1756	6/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1756	6/26	N	Clear	Clear	Sparse	NR	S	NR	S	No		No		
W1756	7/10	N	Clear	Clear	Sparse	NR	S	NR	S	No		No		
W1756	8/1	Musty	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1756	8/7	N	Clear	Clear	Sparse	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
W1756	8/22	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1756	8/28	N	Clear	Clear	Sparse	NR		NR	NR	No		Yes	Trash. Cinder blocks.	plants taken for ID; *Callitriche* sp.- confirmed-McVoy
W1758	5/1	N	Clear	Light Yellow/Tan	N	NR	NR	NR	M	No		Yes	trash, some construction debris on left bank	
W1758	5/19	Musty	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1758	5/29	Musty	Clear	Clear	N	D	NR	D	M	No		No		
W1758	6/20	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1758	6/26	N	Clear	Clear	N	NR	NR	NR	M	No		No		
W1758	7/10	Musty	Clear	Light Yellow/Tan	N	NR	NR	NR	M	No		No		
W1758	8/1	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1758	8/7	N	Clear	Dark Tan	N	NR	S	NR	D	Yes	Foam (minor foam)	No		
W1758	8/22	Musty	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1758	8/28	N	Clear	Light Yellow/Tan	N	NR	NR	NR	M	No		No		
W1759	5/1	N	Clear	Light Yellow/Tan	Sparse	NR	NR	NR	S	No		No		
W1759	5/29	Musty	Clear	Clear	Sparse	D	NR	D	D	No		No		Guy cutting grass stopped to talk, tell us about how the stream changed for the worst from runoff of horse farm upstream (said they dumped manure in stream).

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
W1759	6/26	N	Clear	Light Yellow/Tan	Sparse	NR	NR	NR	D	No		No		
W1759	7/10	N	Slightly Turbid	Light Yellow/Tan	N	NR	D	NR	VD	No		No		
W1759	8/7	N	Clear	Dark Tan	Sparse	NR	NR	NR	M	No		No		
W1759	8/28	N	Clear	Light Yellow/Tan	Sparse	NR	NR	VD	NR	No		No		
W1760	5/1	N	Clear	Clear	N	N	N	N	N	No		No		
W1760	5/19	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1760	5/29	N	Clear	Light Yellow/Tan	Sparse	NR	S	NR	M	No		Yes	trash, light	
W1760	6/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1760	6/26	Musty	Clear	Light Yellow/Tan	Sparse	NR	S	NR	M	No		Yes	Trash	
W1760	7/10	N	Clear	Clear	N	NR	NR	NR	S	No		No		
W1760	8/1	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1760	8/7	N	Clear	Clear	Sparse	NR	M	M	NR	No		No		
W1760	8/22	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1760	8/28	Chlorine	Clear	Light Yellow/Tan	Sparse	NR	M	NR	S	No		No		
W1761	5/1	N	Clear	Clear	N	N	N	N	S	No		Yes	trash; interesting assortment	
W1761	5/19	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1761	5/29	N	Clear	Clear	Sparse	NR	NR	NR	S	No		No		
W1761	6/20	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1761	6/26	N	Clear	Clear	N	NR	NR	NR	S	No		No		
W1761	6/26	NR	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1761	7/10	N	Clear	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
W1761	8/1	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1761	8/7	N	Clear	Light Yellow/Tan	N	NR	D	NR	D	No		No		
W1761	8/22	Musty	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1761	8/28	Musty	Clear	Clear	N	NR	NR	NR	M	No		Yes	Trash.	
W1762	5/1	N	Clear	Clear	N	N	N	N	N	No		No		
W1762	5/19	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1762	5/29	N	Clear	Light Yellow/Tan	NR	NR	NR	NR	S	No		Yes	trash, moderate	
W1762	6/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1762	6/26	N	Clear	Light Yellow/Tan	N	NR	S	NR	S	No		Yes	trash; light trash, some big items as well (cushion, air conditioner)	
W1762	7/10	N	Clear	Clear	N	NR	NR	NR	S	No		No		
W1762	8/1	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1762	8/7	Musty	Clear	Clear	N	NR	NR	NR	M	No		Yes	Trash (minimal amount of trash)	
W1762	8/22	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1762	8/28	N	Clear	Clear	N	NR	M	NR	S	No		Yes	Trash. Bottles, metal.	
W1763	4/29	N	Moderately Turbid	Grayish	U	U	U	U	U	No		No		
W1763	5/23	sewage/ septic	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
W1763	5/27	Effluent (Treated)	Clear	Clear	U	NR	NR	D	NR	No		No		
W1763	6/23	Musty & Laundry	Highly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1763	6/24	Effluent (Treated)	Moderately Turbid	Clear	NR	NR	NR	NR	NR	No		Yes	trash; light trash on and near banks	
W1763	7/8	Musty	Clear	Grayish	N	U	U	U	U	No		No		
W1763	8/4	N	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1763	8/5	Effluent (Treated)	Slightly Turbid	Grayish	N	NR	M	NR	NR	No		Yes	Trash	
W1763	8/25	sewage/ septic	Clear	Grayish	Not Applicable - Probe Deploy Field Sheet									
W1763	8/26	Chlorine hypo-chlorite	Slightly Turbid	Brownish	Sparse	U	U	U	U	Yes	pollen/ dust blankets, foam, other; Leaves etc.. Foam likely due to high effluent percentage.	No		Lots of milfoil fragments floating down river

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
W1764	4/29	N	Highly Turbid	Light Yellow/Tan	N	U	U	U	U	Yes	foam, other; minor. some woody vegetation some foam downstream of dam	No		
W1764	5/27	N	Slightly Turbid	Brownish	U	U	U	U	U	No		No		
W1764	6/24	Musty	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1764	7/8	Effluent (Treated)	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1764	8/4	sewage/ septic	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1764	8/5	N	Slightly Turbid	Clear	U	U	U	U	U	No		No		
W1764	8/6	Effluent (Treated)	Moderately Turbid	Brownish	N					No		No		
W1764	8/25	NR	Highly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1764	8/26	Effluent (Treated)	Highly Turbid	Clear	U	U	U	U	U	No		No		
W1764	8/27	U	Slightly Turbid	Light Yellow/Tan	U					No		No		
W1765	4/29	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1765	5/27	N	Clear	Light Yellow/Tan	U	U	U	U	U	No		Yes	light trash	USGS gage site.

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
W1765	6/24	Musty	Moderately Turbid	Clear	U	U	U	U	U	No		No		
W1765	7/8	N	Moderately Turbid	Brownish	U	U	U	U	U	No		No		
W1765	8/5	N	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	No		U		
W1765	8/26	Musty	Slightly Turbid	Light Yellow/Tan	N	U	D	M	U	No		No		
W1766	4/29	Effluent (Treated)	Slightly Turbid	Clear	U	U	U	U	U	No		No		
W1766	5/23	Chlorine	Moderately Turbid	Grayish	Not Applicable - Probe Deploy Field Sheet									
W1766	5/27	N	Clear	Clear	U	U	U	U	U	Yes	pollen/ dust	Yes	trash; light	
W1766	6/23	U	Slightly Turbid	Grayish	Not Applicable - Probe Deploy Field Sheet									
W1766	6/24	Effluent (Treated)	Moderately Turbid	Brownish	Sparse	N	N	N	N	Yes	pollen/ dust blankets , foam	Yes	trash: floating	
W1766	7/8	Rotting Vege-tables	Moderately Turbid	Brownish	U	U	U	U	U	Yes	duck weed	Yes	trash in water	
W1766	8/4	effluent	Highly Turbid	U tons of duckweed	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
W1766	8/5	Effluent (Treated)	Slightly Turbid	NR	Sparse	U	U	U	U	Yes	Other (decomposing duckweed accumulating behind stone bridge)	Yes	Trash (accumulating against stone bridge)	decomposing duckweed accumulating behind stone bridge P.U. Re: call from Matt Reardon to investigate
W1766	8/25	U	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1766	8/26	Musty	Moderately Turbid	Light Yellow/Tan	Sparse	U	U	U	U	No		No		large duckweed bloom and rotting weed collection on opposite side of impoundment
W1767	4/29	N	Clear	Light Yellow/Tan	Sparse	U	U	U	U	No		No		
W1767	5/19	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1767	5/27	N	Clear	Clear	N	NR	M	NR	NR	No		U		
W1767	6/20	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1767	6/24	Musty	Clear	Light Yellow/Tan	Sparse	N	N	N	N	No		No		
W1767	7/8	N	Clear	Clear	Sparse	NR	NR	NR	S	No		No		
W1767	8/1	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1767	8/5	N	Clear	Clear	Sparse	NR	S	NR	NR	No		Yes	Trash (light)	
W1767	8/22	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1767	8/26	N	Clear	Clear	Sparse	NR	M	NR	NR	No		No		
W1768	4/29	N	Clear	Light Yellow/Tan	N	N	N	N	N	No		No		
W1768	5/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1768	5/27	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
W1768	6/23	N	Clear	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1768	6/24	N	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		Strange fish odor around stream.
W1768	7/8	N	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1768	8/4	N	Slightly Turbid	Reddish	Not Applicable - Probe Deploy Field Sheet									
W1768	8/5	N	Moderately Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1768	8/25	N	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1768	8/26	N	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	Yes	pollen/ dust blanket, leaves as well	No		
W1769	4/29	N	Clear	Reddish	N	N	N	N	N	No		No		
W1769	5/19	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1769	5/27	N	Clear	Brownish	N	N	N	N	N	Yes	foam, appears natural	No		probe unit 41215/S1455 at 08:42:50 reading 8.09 mg/l DO, opposite storm drain which is not running
W1769	6/20	N	Clear	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1769	6/24	N	Slightly Turbid	Light Yellow/Tan	N	U	U	U	U	No		No		
W1769	6/26	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1769	7/8	Musty	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
W1769	8/1	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1769	8/5	N	Clear	Light Yellow/Tan	N	N	N	N	N	No		No		
W1769	8/22	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1769	8/26	N	Clear	Clear	N	N	N	N	N	No		No		
W1770	4/29	N	Clear	Light Yellow/Tan	U	U	U	U	U	No		Yes	trash	
W1770	5/23	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1770	5/27	N	Clear	Clear	N	N	N	N	N	Yes	natural foam	Yes	mild trash	
W1770	6/23	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1770	6/24	N	Clear	Clear	N	NR	S	NR	NR	No		Yes	light trash	
W1770	7/8	N	Clear	Clear	Sparse	VD	NR	NR	NR	No		Yes	trash - tire/litter (slight)	
W1770	8/4	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1770	8/5	N	Clear	Light Yellow/Tan	N	NR	NR		NR	Yes	Foam (minor amount of foam)	No		
W1770	8/25	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1770	8/26	Musty	Clear	Light Yellow/Tan	Sparse	NR	M	M	NR	No		No		
W1771	4/29	N	Slightly Turbid	Brownish	U	U	U	U	U	No		No		
W1771	5/23	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1771	5/27	Musty	Clear	Light Yellow/Tan	N	N	N	N	N	No		Yes	light trash	
W1771	6/23	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
W1771	6/24	Musty	Clear	Clear	N	NR	S	NR	S	No		Yes	trash; light trash	
W1771	7/8	N	Clear	Clear	N	NR	D	NR	NR	No		Yes	trash; slight - on slope- glass, litter "party spot"	
W1771	8/4	NR	Clear	NR	Not Applicable - Probe Deploy Field Sheet									
W1771	8/5	N	Clear	Light Yellow/Tan	N	NR	M	NR	NR	No		No		
W1771	8/25	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1771	8/26	N	Clear	Light Yellow/Tan	N	NR	S	NR	S	No		No		
W1772	4/29	N	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1772	5/23	sewage/ septic	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1772	5/27	Effluent (Treated)	Clear	Light Yellow/Tan	N	N	N	N	N	No		Yes	trash	
W1772	6/23	Musty & sewage/ septic	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1772	6/24	Effluent (Treated)	Clear	Clear	N	NR	S	NR	NR	No		Yes	trash: ceiling fan, shopping cart, heavy trash	
W1772	7/8	N	Slightly Turbid	Grayish	N	NR	NR	M	NR	No		Yes	trash; moderate amount	
W1772	8/4	sewage/ septic	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1772	8/5	Musty	Clear	NR	N	NR	NR	D	NR	No		Yes	Trash , Other (bricks, car parts, TV, etc)	

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
W1772	8/25	sewage/ septic	Slightly Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W1772	8/26	Musty	Slightly Turbid	Light Yellow/Tan	N	NR	NR	M	NR	Yes	Oily sheens.	Yes	Trash. Few rusted iron parts.	
W1773	6/26	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1774	6/26	Musty	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1775	6/26	Musty	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1776	7/3	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W1777	6/26	Musty	Moderately Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1779	4/29	Effluent (Treated)	Moderately Turbid	Grayish	N	N	N	N	N	Yes	foam	No		
W1779	5/27	N	Slightly Turbid	Grayish	U	U	U	U	U	Yes	foam; foam prevalent behind sluice gates	No		
W1779	6/19	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	Sparse	NR	NR	NR	S	Yes	Foam, Some natural from aeration, some from treatment plant.	No		
W1779	6/24	Effluent (Treated)	Highly Turbid	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
W1779	7/8	Effluent (Treated)	Highly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No		
W1779	8/5	Effluent (Treated)	Moderately Turbid	Light Yellow/Tan	U	U	U	U	U	Yes	Foam (natural)	No		
W1779	8/26	Effluent (Treated)	Highly Turbid	Clear	U	U	U	U	U	Yes	minimal from dam	No		
W1779	9/11	Effluent (Treated)	Clear	Clear	U	U	U	U	U	Yes	foam; foam from pipe at road crossing	No		Note: river up approximately 6 to 7 feet in past, chestnut plants blown out of impoundment, large wrack lines of them on banks
W1779	9/22	Effluent (Treated)	Clear	Light Yellow/Tan	N	NR	D	NR	NR	No		No		
W1893	5/27	N	Clear	Clear	Sparse	NR	S	NR	NR	No		No		- water flowing
W1893	6/24	Musty	Slightly Turbid	Clear	Sparse	N	N	N	N	No		Yes	trash, light	dissolved reactive phosphorus, Site # (W1256) not changed on the bottles to new I.d. (W1893)
W1893	7/8	N	Clear	Clear	Sparse	NR	S	NR	NR	No		Yes	trash; iron I-beam	
W1893	8/5	N	Clear	Clear	Dense	S	M	NR	NR	Yes	Oily sheens, pollen/ dust blankets	No		
W1893	8/26	N	Clear	Clear	Sparse	NR	NR	VD	NR	No		No		
W1893	11/6	N	Clear	Clear	Dense	N	N	N	N	No		Yes	trash	
W1897	7/3	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
W1898	6/19	Musty	Moderately Turbid	Grayish	Sparse	U	U	U	U	Yes	foam	No		
W1898	9/12	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	No		Yes	trash.	
W1898	9/22	Musty	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	Yes	foam; a filmy/foam white layer on water	No		
W1901	8/4	N	Moderately Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1901	8/6	Effluent (Treated)	Moderately Turbid	Grayish	Sparse					No		Yes	Trash (plastic bottles in brush in river)	
W1901	8/25	Chlorine	Moderately Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W1901	8/27	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	Sparse					Yes	pollen/ dust blankets	Yes	Trash	
W1902	5/27	Effluent (Treated)	Clear	Clear	N	N	N	N	N	No		No		
W1902	6/24	N	Slightly Turbid	Clear grayish	U	U	U	U	U	U		No		sample flow weighted composite of final effluent
W1902	8/5	N	Clear	Clear	N	N	N	N	N	No		No		
W1902	8/26	N	Clear	Clear	N	N	N	N	N	No		No		
W1903	5/27	Effluent (Treated)	Highly 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
W1903	6/24	N	Highly Turbid	Greenish	U	U	U	U	U	Yes	pollen/ dust blankets, foam; foam more like a floating biofilm	NR	trash, some trash	
W1903	8/5	N	Slightly Turbid	Grayish	N	N	N	N	N	Yes	pollen/ dust blankets; leaf litter, pollen dust	NR		pumped from center of channel at 6" off bottom
W1903	8/26	N	Slightly Turbid	Brownish	Dense	NR	NR		NR	Yes	Pollen/ dust blankets, algal mat; bright green floating in clumps, individual round approximately 1 mm diameter	Yes	Slimy green brown residue on inlet/roap used to fix	
W2062	5/1	N	Slightly Turbid	Brownish	N	N	N	N	N	Yes	foam	Yes	trash	
W2062	5/19	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
W2062	5/29	N	Clear	Clear	N	NR	NR	D	NR	No		No		
W2062	6/19	Dirty	Clear	Clear	Sparse	NR	NR	M	NR	Yes	oily sheens	Yes	trash in river bed	
W2062	6/20	Musty	Moderately Turbid	Brownish	Not Applicable - Probe Deploy Field Sheet									
W2062	6/26	N	Moderately Turbid	Clear	N	N	N	N	N	No		No		
W2062	7/10	N	Clear	Clear	N	U	U	U	U	Yes	other; possibly foam pieces - very small	No		
W2062	8/1	N	Clear	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W2062	8/7	Musty	Slightly Turbid	Light Yellow/Tan	N	N	N	N	N	No		No		
W2062	8/22	N	Clear	Clear	Not Applicable - Probe Deploy Field Sheet									
W2062	8/28	N	Clear	Grayish	N	NR	NR	D	NR	Yes	Foam. Oily sheens. Minimal.	Yes	Trash.	
W2062	9/11	N	Clear	Clear	N	NR	NR	D	NR	No		Yes	Trash. Minor.	
W2062	9/22	N	Clear	Clear	N	NR	NR	NR	NR	No		Yes	Trash. Orange floc. Light trash on banks. Orange floc on bottom (lots).	
W2063	8/4	N	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
W2063	8/6	N	Slightly Turbid	Grayish	Very Dense					No		Yes	Trash (gas cylinder in water)	
W2063	8/25	N	Slightly Turbid	Light Yellow/Tan	Not Applicable - Probe Deploy Field Sheet									
W2063	8/27	Effluent (Treated)	Slightly Turbid	Light Yellow/Tan	Very Dense					Yes	pollen/ dust blankets	No		

Water Quality Data

All MassDEP DWM water quality data are managed and maintained in the Water Quality Data Access Database (WQD). Tables 8 – 13 below provide the 2008 Blackstone River Watershed water quality data. Table 8 provides water quality data and chemistry for all water quality sites. Table 9 provides water quality data for the five Blackstone River Watershed impoundments sampled in 2008. Table 10 summarizes the number and geometric mean of *E. coli* samples collected at water quality sites. Table 11 provides attended multiprobe water quality data. Table 12 summarizes dissolved oxygen data collected using unattended multiprobes. Finally, Table 13 summarizes temperature data collected using unattended multiprobes and thermistors. 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. 2008 The MassDEP DWM Blackstone River Watershed water quality data for river stations.

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0499	Total Nitrogen	51-0762	5/1	8:18	2.1	mg/L	
W0499	Total Nitrogen	51-0907	5/29	8:10	1.7	mg/L	
W0499	Total Nitrogen	51-1076	6/26	8:10	1.8	mg/L	
W0499	Total Nitrogen	51-1337	8/7	8:40	1.5	mg/L	h
W0499	Total Nitrogen	51-1538	8/28	8:12	1.7	mg/L	
W0499	Ammonia-N	51-0762	5/1	8:18	0.28	mg/L	
W0499	Ammonia-N	51-0907	5/29	8:10	0.17	mg/L	
W0499	Ammonia-N	51-1076	6/26	8:10	0.20	mg/L	
W0499	Ammonia-N	51-1337	8/7	8:40	0.17	mg/L	
W0499	Ammonia-N	51-1538	8/28	8:12	0.12	mg/L	
W0499	Total Phosphorus	51-0762	5/1	8:18	0.090	mg/L	
W0499	Total Phosphorus	51-0907	5/29	8:10	0.048	mg/L	
W0499	Total Phosphorus	51-1076	6/26	8:10	0.058	mg/L	
W0499	Total Phosphorus	51-1337	8/7	8:40	0.053	mg/L	b, h
W0499	Total Phosphorus	51-1538	8/28	8:12	0.054	mg/L	
W0499	Suspended Solids	51-0762	5/1	8:18	1.5	mg/L	
W0499	Suspended Solids	51-0907	5/29	8:10	1.2	mg/L	
W0499	Suspended Solids	51-1076	6/26	8:10	1.1	mg/L	
W0499	Suspended Solids	51-1337	8/7	8:40	1.6	mg/L	
W0499	Suspended Solids	51-1538	8/28	8:12	1.2	mg/L	
W0499	*E. coli*	51-0762	5/1	8:18	9800	CFU/100mL	
W0499	*E. coli*	51-0907	5/29	8:10	6400	CFU/100mL	
W0499	*E. coli*	51-1076	6/26	8:10	4900	CFU/100mL	
W0499	*E. coli*	51-1180	7/10	8:15	6900	CFU/100mL	
W0499	*E. coli*	51-1337	8/7	8:40	1300	CFU/100mL	
W0499	*E. coli*	51-1538	8/28	8:12	2000	CFU/100mL	
W0499	True Color	51-0762	5/1	8:18	17	PCU	
W0499	True Color	51-0907	5/29	8:10	<15	PCU	
W0499	True Color	51-1076	6/26	8:10	20	PCU	
W0499	True Color	51-1337	8/7	8:40	48	PCU	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0499	True Color	51-1538	8/28	8:12	<15	PCU	
W0499	Turbidity	51-0762	5/1	8:18	3.0	NTU	
W0499	Turbidity	51-0907	5/29	8:10	2.0	NTU	
W0499	Turbidity	51-1076	6/26	8:10	2.3	NTU	
W0499	Turbidity	51-1337	8/7	8:40	2.2	NTU	
W0499	Turbidity	51-1538	8/28	8:12	2.5	NTU	
W0502	Total Nitrogen	51-0724	4/29	12:00	0.55	mg/L	
W0502	Total Nitrogen	51-0876	5/27	11:41	0.77	mg/L	
W0502	Total Nitrogen	51-1045	6/24	11:50	0.70	mg/L	
W0502	Total Nitrogen	51-1306	8/5	11:00	0.70	mg/L	h
W0502	Total Nitrogen	51-1507	8/26	12:01	0.73	mg/L	
W0502	Nitrate/Nitrite-N	51-0724	4/29	12:00	0.14	mg/L	
W0502	Nitrate/Nitrite-N	51-0876	5/27	11:41	0.36	mg/L	
W0502	Nitrate/Nitrite-N	51-1045	6/24	11:50	0.17	mg/L	
W0502	Nitrate/Nitrite-N	51-1306	8/5	11:00	0.34	mg/L	
W0502	Nitrate/Nitrite-N	51-1507	8/26	12:01	0.40	mg/L	
W0502	Ammonia-N	51-0724	4/29	12:00	0.04	mg/L	
W0502	Ammonia-N	51-0876	5/27	11:41	0.09	mg/L	
W0502	Ammonia-N	51-1045	6/24	11:50	0.14	mg/L	
W0502	Ammonia-N	51-1306	8/5	11:00	0.06	mg/L	
W0502	Ammonia-N	51-1507	8/26	12:01	0.03	mg/L	
W0502	Total Phosphorus	51-0724	4/29	12:00	0.051	mg/L	
W0502	Total Phosphorus	51-0876	5/27	11:41	0.036	mg/L	
W0502	Total Phosphorus	51-1045	6/24	11:50	0.066	mg/L	
W0502	Total Phosphorus	51-1306	8/5	11:00	0.045	mg/L	h
W0502	Total Phosphorus	51-1507	8/26	12:01	0.030	mg/L	
W0502	Dissolved Reactive Phosphorus	51-0724	4/29	12:00	<0.005	mg/L	m
W0502	Dissolved Reactive Phosphorus	51-0876	5/27	11:41	0.011	mg/L	b, m
W0502	Dissolved Reactive Phosphorus	51-1045	6/24	11:50	0.011	mg/L	m
W0502	Dissolved Reactive Phosphorus	51-1306	8/5	11:00	0.011	mg/L	h, m
W0502	Dissolved Reactive Phosphorus	51-1507	8/26	12:01	0.005	mg/L	m
W0502	Suspended Solids	51-0724	4/29	12:00	13	mg/L	
W0502	Suspended Solids	51-0876	5/27	11:41	3.6	mg/L	
W0502	Suspended Solids	51-1045	6/24	11:50	10	mg/L	
W0502	Suspended Solids	51-1306	8/5	11:00	3.7	mg/L	
W0502	Suspended Solids	51-1507	8/26	12:01	3.0	mg/L	
W0502	*E. coli*	51-0724	4/29	12:00	890	CFU/100mL	
W0502	*E. coli*	51-0876	5/27	11:41	450	CFU/100mL	
W0502	*E. coli*	51-1045	6/24	11:50	1400	CFU/100mL	
W0502	*E. coli*	51-1149	7/8	10:35	390	CFU/100mL	
W0502	*E. coli*	51-1306	8/5	11:00	310	CFU/100mL	
W0502	*E. coli*	51-1507	8/26	12:01	400	CFU/100mL	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0502	*E. coli*	51-1582	11/6	9:27	980	MPN/100mL	
W0502	True Color	51-0724	4/29	12:00	19	PCU	
W0502	True Color	51-0876	5/27	11:41	25	PCU	
W0502	True Color	51-1045	6/24	11:50	29	PCU	
W0502	True Color	51-1306	8/5	11:00	50	PCU	d
W0502	True Color	51-1507	8/26	12:01	22	PCU	
W0502	Turbidity	51-0724	4/29	12:00	6.4	NTU	
W0502	Turbidity	51-0876	5/27	11:41	1.8	NTU	
W0502	Turbidity	51-1045	6/24	11:50	6.7	NTU	
W0502	Turbidity	51-1306	8/5	11:00	3.2	NTU	
W0502	Turbidity	51-1507	8/26	12:01	2.7	NTU	
W0502	Turbidity	51-1582	11/6	9:27	5.6	NTU	
W0502	Hardness	51-0724	4/29	12:00	51	mg/L	
W0502	Hardness	51-0876	5/27	11:41	70	mg/L	
W0502	Hardness	51-0933	6/19	8:15	67	mg/L as CaCO3	
W0502	Hardness	51-1045	6/24	11:50	55	mg/L	
W0502	Hardness	51-1193	9/12	10:15	39	mg/L as CaCO3	f
W0502	Hardness	51-1570	9/22	9:45	54	mg/L as CaCO3	
W0502	Aluminum - Dissolved	51-0933	6/19	8:15	<20	µg/L	
W0502	Aluminum - Dissolved	51-1193	9/12	10:15	<50	µg/L	f, h
W0502	Aluminum - Dissolved	51-1570	9/22	9:45	<50	µg/L	
W0502	Antimony - Dissolved	51-0933	6/19	8:15	0.20	µg/L	
W0502	Antimony - Dissolved	51-1193	9/12	10:15	0.26	µg/L	f, h
W0502	Antimony - Dissolved	51-1570	9/22	9:45	0.24	µg/L	
W0502	Arsenic - Dissolved	51-0933	6/19	8:15	4.9	µg/L	
W0502	Arsenic - Dissolved	51-1193	9/12	10:15	2.9	µg/L	f, h
W0502	Arsenic - Dissolved	51-1570	9/22	9:45	2.8	µg/L	
W0502	Beryllium - Dissolved	51-0933	6/19	8:15	<0.20	µg/L	
W0502	Beryllium - Dissolved	51-1193	9/12	10:15	<0.20	µg/L	f, h
W0502	Beryllium - Dissolved	51-1570	9/22	9:45	<0.20	µg/L	
W0502	Cadmium - Dissolved	51-0933	6/19	8:15	0.17	µg/L	
W0502	Cadmium - Dissolved	51-1193	9/12	10:15	0.24	µg/L	f, h
W0502	Cadmium - Dissolved	51-1570	9/22	9:45	0.46	µg/L	
W0502	Calcium - Dissolved	51-0933	6/19	8:15	22	mg/L	
W0502	Calcium - Dissolved	51-1193	9/12	10:15	13	mg/L	f
W0502	Calcium - Dissolved	51-1570	9/22	9:45	18	mg/L	
W0502	Chromium - Dissolved	51-0933	6/19	8:15	0.28	µg/L	
W0502	Chromium - Dissolved	51-1193	9/12	10:15	0.33	µg/L	f, h
W0502	Chromium - Dissolved	51-1570	9/22	9:45	<0.22	µg/L	
W0502	Copper - Dissolved	51-0933	6/19	8:15	1.7	µg/L	
W0502	Copper - Dissolved	51-1193	9/12	10:15	2.6	µg/L	a, f, h
W0502	Copper - Dissolved	51-1570	9/22	9:45	1.9	µg/L	a, d

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0502	Lead - Dissolved	51-0933	6/19	8:15	0.75	µg/L	
W0502	Lead - Dissolved	51-1193	9/12	10:15	0.27	µg/L	f, h
W0502	Lead - Dissolved	51-1570	9/22	9:45	<0.14	µg/L	
W0502	Magnesium - Dissolved	51-0933	6/19	8:15	3.0	mg/L	
W0502	Magnesium - Dissolved	51-1193	9/12	10:15	1.8	mg/L	f
W0502	Magnesium - Dissolved	51-1570	9/22	9:45	2.4	mg/L	
W0502	Nickel - Dissolved	51-0933	6/19	8:15	2.7	µg/L	
W0502	Nickel - Dissolved	51-1193	9/12	10:15	1.9	µg/L	f, h
W0502	Nickel - Dissolved	51-1570	9/22	9:45	2.5	µg/L	
W0502	Selenium - Dissolved	51-0933	6/19	8:15	<2.6	µg/L	
W0502	Selenium - Dissolved	51-1193	9/12	10:15	<2.6	µg/L	f, h
W0502	Selenium - Dissolved	51-1570	9/22	9:45	<2.6	µg/L	
W0502	Silver - Dissolved	51-0933	6/19	8:15	<0.13	µg/L	
W0502	Silver - Dissolved	51-1193	9/12	10:15	<0.20	µg/L	f, h
W0502	Silver - Dissolved	51-1570	9/22	9:45	<0.13	µg/L	
W0502	Thallium - Dissolved	51-0933	6/19	8:15	<0.16	µg/L	
W0502	Thallium - Dissolved	51-1193	9/12	10:15	<0.20	µg/L	f, h
W0502	Thallium - Dissolved	51-1570	9/22	9:45	<0.20	µg/L	h
W0502	Zinc - Dissolved	51-0933	6/19	8:15	4.9	µg/L	
W0502	Zinc - Dissolved	51-1193	9/12	10:15	7.5	µg/L	f, h
W0502	Zinc - Dissolved	51-1570	9/22	9:45	9.9	µg/L	
W0504	Total Nitrogen	51-0761	5/1	7:55	0.61	mg/L	
W0504	Total Nitrogen	51-0906	5/29	7:50	0.92	mg/L	
W0504	Total Nitrogen	51-1075	6/26	7:45	0.77	mg/L	
W0504	Total Nitrogen	51-1336	8/7	8:20	0.85	mg/L	h
W0504	Total Nitrogen	51-1537	8/28	8:00	0.76	mg/L	
W0504	Ammonia-N	51-0761	5/1	7:55	<0.02	mg/L	
W0504	Ammonia-N	51-0906	5/29	7:50	0.06	mg/L	
W0504	Ammonia-N	51-1075	6/26	7:45	0.05	mg/L	
W0504	Ammonia-N	51-1336	8/7	8:20	0.10	mg/L	
W0504	Ammonia-N	51-1537	8/28	8:00	0.04	mg/L	
W0504	Total Phosphorus	51-0761	5/1	7:55	0.025	mg/L	
W0504	Total Phosphorus	51-0906	5/29	7:50	0.032	mg/L	
W0504	Total Phosphorus	51-1075	6/26	7:45	0.052	mg/L	
W0504	Total Phosphorus	51-1336	8/7	8:20	0.040	mg/L	b, h
W0504	Total Phosphorus	51-1537	8/28	8:00	0.036	mg/L	
W0504	Suspended Solids	51-0761	5/1	7:55	2.5	mg/L	
W0504	Suspended Solids	51-0906	5/29	7:50	4.4	mg/L	
W0504	Suspended Solids	51-1075	6/26	7:45	3.1	mg/L	
W0504	Suspended Solids	51-1336	8/7	8:20	3.3	mg/L	
W0504	Suspended Solids	51-1537	8/28	8:00	4.8	mg/L	
W0504	*E. coli*	51-0761	5/1	7:55	410	CFU/100mL	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0504	*E. coli*	51-0906	5/29	7:50	210	CFU/100mL	
W0504	*E. coli*	51-1075	6/26	7:45	350	CFU/100mL	
W0504	*E. coli*	51-1179	7/10	7:58	990	CFU/100mL	
W0504	*E. coli*	51-1336	8/7	8:20	2100	CFU/100mL	
W0504	*E. coli*	51-1537	8/28	8:00	340	CFU/100mL	
W0504	True Color	51-0761	5/1	7:55	48	PCU	
W0504	True Color	51-0906	5/29	7:50	26	PCU	
W0504	True Color	51-1075	6/26	7:45	76	PCU	
W0504	True Color	51-1336	8/7	8:20	56	PCU	
W0504	True Color	51-1537	8/28	8:00	22	PCU	
W0504	Turbidity	51-0761	5/1	7:55	3.4	NTU	
W0504	Turbidity	51-0906	5/29	7:50	4.0	NTU	
W0504	Turbidity	51-1075	6/26	7:45	3.9	NTU	
W0504	Turbidity	51-1336	8/7	8:20	3.6	NTU	
W0504	Turbidity	51-1537	8/28	8:00	3.5	NTU	
W0505	Total Nitrogen	51-0717	4/29	10:31	3.8	mg/L	
W0505	Total Nitrogen	51-0870	5/27	10:35	8.9	mg/L	
W0505	Total Nitrogen	51-1039	6/24	10:00	1.9	mg/L	
W0505	Total Nitrogen	51-1300	8/5	9:45	3.5	mg/L	h
W0505	Total Nitrogen	51-1501	8/26	10:52	4.7	mg/L	
W0505	Nitrate/Nitrite-N	51-0717	4/29	10:31	0.37	mg/L	
W0505	Nitrate/Nitrite-N	51-0870	5/27	10:35	1.2	mg/L	
W0505	Nitrate/Nitrite-N	51-1039	6/24	10:00	0.94	mg/L	
W0505	Nitrate/Nitrite-N	51-1300	8/5	9:45	1.4	mg/L	
W0505	Nitrate/Nitrite-N	51-1501	8/26	10:52	2.1	mg/L	
W0505	Ammonia-N	51-0717	4/29	10:31	2.1	mg/L	
W0505	Ammonia-N	51-0870	5/27	10:35	6.7	mg/L	
W0505	Ammonia-N	51-1039	6/24	10:00	0.33	mg/L	
W0505	Ammonia-N	51-1300	8/5	9:45	1.3	mg/L	
W0505	Ammonia-N	51-1501	8/26	10:52	1.1	mg/L	
W0505	Total Phosphorus	51-0717	4/29	10:31	0.41	mg/L	
W0505	Total Phosphorus	51-0870	5/27	10:35	1.1	mg/L	
W0505	Total Phosphorus	51-1039	6/24	10:00	0.38	mg/L	
W0505	Total Phosphorus	51-1300	8/5	9:45	0.58	mg/L	h
W0505	Total Phosphorus	51-1501	8/26	10:52	1.4	mg/L	
W0505	Dissolved Reactive Phosphorus	51-0717	4/29	10:31	0.23	mg/L	h, m
W0505	Dissolved Reactive Phosphorus	51-0870	5/27	10:35	0.93	mg/L	b, m
W0505	Dissolved Reactive Phosphorus	51-1039	6/24	10:00	0.24	mg/L	m
W0505	Dissolved Reactive Phosphorus	51-1300	8/5	9:45	0.46	mg/L	h, m
W0505	Dissolved Reactive Phosphorus	51-1501	8/26	10:52	1.2	mg/L	m
W0505	Suspended Solids	51-0717	4/29	10:31	13	mg/L	
W0505	Suspended Solids	51-0870	5/27	10:35	2.8	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0505	Suspended Solids	51-1039	6/24	10:00	18	mg/L	
W0505	Suspended Solids	51-1300	8/5	9:45	4.9	mg/L	
W0505	Suspended Solids	51-1501	8/26	10:52	3.5	mg/L	
W0505	*E. coli*	51-0717	4/29	10:31	1000	CFU/100mL	
W0505	*E. coli*	51-0870	5/27	10:35	77	CFU/100mL	
W0505	*E. coli*	51-1039	6/24	10:00	2700	CFU/100mL	
W0505	*E. coli*	51-1143	7/8	9:40	380	CFU/100mL	
W0505	*E. coli*	51-1300	8/5	9:45	220	CFU/100mL	
W0505	*E. coli*	51-1501	8/26	10:52	100	CFU/100mL	
W0505	*E. coli*	51-1587	11/6	10:32	>2419.6	MPN/100mL	
W0505	True Color	51-0717	4/29	10:31	22	PCU	
W0505	True Color	51-0870	5/27	10:35	21	PCU	
W0505	True Color	51-1039	6/24	10:00	21	PCU	d
W0505	True Color	51-1300	8/5	9:45	##	PCU	d
W0505	True Color	51-1501	8/26	10:52	18	PCU	d
W0505	Turbidity	51-0717	4/29	10:31	11.5	NTU	
W0505	Turbidity	51-0870	5/27	10:35	2.2	NTU	
W0505	Turbidity	51-1039	6/24	10:00	12.5	NTU	
W0505	Turbidity	51-1300	8/5	9:45	4.0	NTU	
W0505	Turbidity	51-1501	8/26	10:52	3.9	NTU	d
W0505	Turbidity	51-1587	11/6	10:32	4.7	NTU	
W0508	Total Nitrogen	51-0755	5/1	9:31	0.66	mg/L	
W0508	Total Nitrogen	51-0902	5/29	9:37	1.3	mg/L	
W0508	Total Nitrogen	51-1071	6/26	9:24	1.8	mg/L	
W0508	Total Nitrogen	51-1332	8/7	9:40	1.3	mg/L	h
W0508	Total Nitrogen	51-1533	8/28	9:57	1.2	mg/L	
W0508	Ammonia-N	51-0755	5/1	9:31	0.06	mg/L	
W0508	Ammonia-N	51-0902	5/29	9:37	0.03	mg/L	
W0508	Ammonia-N	51-1071	6/26	9:24	0.02	mg/L	
W0508	Ammonia-N	51-1332	8/7	9:40	0.03	mg/L	
W0508	Ammonia-N	51-1533	8/28	9:57	<0.02	mg/L	
W0508	Total Phosphorus	51-0755	5/1	9:31	0.029	mg/L	
W0508	Total Phosphorus	51-0902	5/29	9:37	0.052	mg/L	
W0508	Total Phosphorus	51-1071	6/26	9:24	0.048	mg/L	
W0508	Total Phosphorus	51-1332	8/7	9:40	0.043	mg/L	h
W0508	Total Phosphorus	51-1533	8/28	9:57	0.034	mg/L	
W0508	Suspended Solids	51-0755	5/1	9:31	1.8	mg/L	
W0508	Suspended Solids	51-0902	5/29	9:37	2.9	mg/L	d
W0508	Suspended Solids	51-1071	6/26	9:24	1.3	mg/L	
W0508	Suspended Solids	51-1332	8/7	9:40	2.3	mg/L	a
W0508	Suspended Solids	51-1533	8/28	9:57	<1.0	mg/L	
W0508	*E. coli*	51-0755	5/1	9:31	95	CFU/100mL	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0508	*E. coli*	51-0902	5/29	9:37	42	CFU/100mL	
W0508	*E. coli*	51-1071	6/26	9:24	120	CFU/100mL	
W0508	*E. coli*	51-1175	7/10	9:18	260	CFU/100mL	
W0508	*E. coli*	51-1332	8/7	9:40	200	CFU/100mL	
W0508	*E. coli*	51-1533	8/28	9:57	70	CFU/100mL	
W0508	True Color	51-0755	5/1	9:31	49	PCU	
W0508	True Color	51-0902	5/29	9:37	34	PCU	
W0508	True Color	51-1071	6/26	9:24	26	PCU	
W0508	True Color	51-1332	8/7	9:40	47	PCU	
W0508	True Color	51-1533	8/28	9:57	38	PCU	
W0508	Turbidity	51-0755	5/1	9:31	1.4	NTU	
W0508	Turbidity	51-0902	5/29	9:37	2.9	NTU	b
W0508	Turbidity	51-1071	6/26	9:24	2.4	NTU	
W0508	Turbidity	51-1332	8/7	9:40	2.4	NTU	b
W0508	Turbidity	51-1533	8/28	9:57	1.9	NTU	
W0508	Hardness	51-0755	5/1	9:31	28	mg/L	
W0508	Hardness	51-0902	5/29	9:37	40	mg/L	
W0508	Hardness	51-0939	6/19	10:47	40	mg/L as CaCO3	
W0508	Hardness	51-1071	6/26	9:24	45	mg/L	
W0508	Hardness	51-1200	9/12	12:10	34	mg/L as CaCO3	f
W0508	Hardness	51-1577	9/22	12:15	40	mg/L as CaCO3	
W0508	Aluminum - Dissolved	51-0939	6/19	10:47	26	µg/L	
W0508	Aluminum - Dissolved	51-1200	9/12	12:10	<50	µg/L	f, h
W0508	Aluminum - Dissolved	51-1577	9/22	12:15	<50	µg/L	
W0508	Antimony - Dissolved	51-0939	6/19	10:47	<0.15	µg/L	
W0508	Antimony - Dissolved	51-1200	9/12	12:10	<0.15	µg/L	f, h
W0508	Antimony - Dissolved	51-1577	9/22	12:15	0.16	µg/L	
W0508	Arsenic - Dissolved	51-0939	6/19	10:47	<0.51	µg/L	
W0508	Arsenic - Dissolved	51-1200	9/12	12:10	0.73	µg/L	f, h
W0508	Arsenic - Dissolved	51-1577	9/22	12:15	<0.51	µg/L	
W0508	Beryllium - Dissolved	51-0939	6/19	10:47	<0.20	µg/L	
W0508	Beryllium - Dissolved	51-1200	9/12	12:10	<0.20	µg/L	f, h
W0508	Beryllium - Dissolved	51-1577	9/22	12:15	<0.20	µg/L	
W0508	Cadmium - Dissolved	51-0939	6/19	10:47	<0.13	µg/L	
W0508	Cadmium - Dissolved	51-1200	9/12	12:10	<0.13	µg/L	f, h
W0508	Cadmium - Dissolved	51-1577	9/22	12:15	<0.13	µg/L	
W0508	Calcium - Dissolved	51-0939	6/19	10:47	12	mg/L	
W0508	Calcium - Dissolved	51-1200	9/12	12:10	10.0	mg/L	f
W0508	Calcium - Dissolved	51-1577	9/22	12:15	12	mg/L	
W0508	Chromium - Dissolved	51-0939	6/19	10:47	0.34	µg/L	
W0508	Chromium - Dissolved	51-1200	9/12	12:10	<0.22	µg/L	f, h
W0508	Chromium - Dissolved	51-1577	9/22	12:15	<0.22	µg/L	h

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0508	Copper - Dissolved	51-0939	6/19	10:47	1.6	µg/L	
W0508	Copper - Dissolved	51-1200	9/12	12:10	3.1	µg/L	a, f, h
W0508	Copper - Dissolved	51-1577	9/22	12:15	1.7	µg/L	a, d
W0508	Lead - Dissolved	51-0939	6/19	10:47	0.43	µg/L	
W0508	Lead - Dissolved	51-1200	9/12	12:10	0.28	µg/L	f, h
W0508	Lead - Dissolved	51-1577	9/22	12:15	<0.14	µg/L	
W0508	Magnesium - Dissolved	51-0939	6/19	10:47	2.7	mg/L	
W0508	Magnesium - Dissolved	51-1200	9/12	12:10	2.2	mg/L	f
W0508	Magnesium - Dissolved	51-1577	9/22	12:15	2.7	mg/L	
W0508	Nickel - Dissolved	51-0939	6/19	10:47	1.0	µg/L	
W0508	Nickel - Dissolved	51-1200	9/12	12:10	1.0	µg/L	f, h
W0508	Nickel - Dissolved	51-1577	9/22	12:15	0.78	µg/L	
W0508	Selenium - Dissolved	51-0939	6/19	10:47	<2.6	µg/L	
W0508	Selenium - Dissolved	51-1200	9/12	12:10	<2.6	µg/L	f, h
W0508	Selenium - Dissolved	51-1577	9/22	12:15	<2.6	µg/L	
W0508	Silver - Dissolved	51-0939	6/19	10:47	<0.13	µg/L	
W0508	Silver - Dissolved	51-1200	9/12	12:10	<0.20	µg/L	f, h
W0508	Silver - Dissolved	51-1577	9/22	12:15	<0.13	µg/L	
W0508	Thallium - Dissolved	51-0939	6/19	10:47	<0.16	µg/L	
W0508	Thallium - Dissolved	51-1200	9/12	12:10	<0.20	µg/L	f, h
W0508	Thallium - Dissolved	51-1577	9/22	12:15	<0.20	µg/L	
W0508	Zinc - Dissolved	51-0939	6/19	10:47	2.2	µg/L	
W0508	Zinc - Dissolved	51-1200	9/12	12:10	2.9	µg/L	f, h
W0508	Zinc - Dissolved	51-1577	9/22	12:15	2.3	µg/L	
W0514	Total Nitrogen	51-0759	5/1	10:44	0.48	mg/L	
W0514	Total Nitrogen	51-0905	5/29	10:59	0.72	mg/L	
W0514	Total Nitrogen	51-1074	6/26	10:48	0.66	mg/L	
W0514	Total Nitrogen	51-1335	8/7	10:49	0.69	mg/L	h
W0514	Total Nitrogen	51-1536	8/28	11:20	0.91	mg/L	
W0514	Ammonia-N	51-0759	5/1	10:44	<0.02	mg/L	
W0514	Ammonia-N	51-0905	5/29	10:59	0.02	mg/L	
W0514	Ammonia-N	51-1074	6/26	10:48	0.03	mg/L	
W0514	Ammonia-N	51-1335	8/7	10:49	0.04	mg/L	
W0514	Ammonia-N	51-1536	8/28	11:20	0.04	mg/L	
W0514	Total Phosphorus	51-0759	5/1	10:44	0.013	mg/L	
W0514	Total Phosphorus	51-0905	5/29	10:59	0.018	mg/L	
W0514	Total Phosphorus	51-1074	6/26	10:48	0.025	mg/L	
W0514	Total Phosphorus	51-1335	8/7	10:49	0.026	mg/L	h
W0514	Total Phosphorus	51-1536	8/28	11:20	0.018	mg/L	
W0514	Suspended Solids	51-0759	5/1	10:44	1.8	mg/L	
W0514	Suspended Solids	51-0905	5/29	10:59	1.1	mg/L	d
W0514	Suspended Solids	51-1074	6/26	10:48	2.8	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0514	Suspended Solids	51-1335	8/7	10:49	1.8	mg/L	a
W0514	Suspended Solids	51-1536	8/28	11:20	1.3	mg/L	
W0514	*E. coli*	51-0759	5/1	10:44	43	CFU/100mL	
W0514	*E. coli*	51-0905	5/29	10:59	32	CFU/100mL	
W0514	*E. coli*	51-1074	6/26	10:48	130	CFU/100mL	
W0514	*E. coli*	51-1178	7/10	10:15	250	CFU/100mL	
W0514	*E. coli*	51-1335	8/7	10:49	100	CFU/100mL	
W0514	*E. coli*	51-1536	8/28	11:20	87	CFU/100mL	
W0514	True Color	51-0759	5/1	10:44	36	PCU	
W0514	True Color	51-0905	5/29	10:59	34	PCU	
W0514	True Color	51-1074	6/26	10:48	44	PCU	
W0514	True Color	51-1335	8/7	10:49	51	PCU	
W0514	True Color	51-1536	8/28	11:20	30	PCU	
W0514	Turbidity	51-0759	5/1	10:44	1.8	NTU	
W0514	Turbidity	51-0905	5/29	10:59	1.4	NTU	b
W0514	Turbidity	51-1074	6/26	10:48	2.1	NTU	
W0514	Turbidity	51-1335	8/7	10:49	1.7	NTU	b
W0514	Turbidity	51-1536	8/28	11:20	1.8	NTU	
W0515	Hardness	51-1101	6/19	10:15	27	mg/L as CaCO3	
W0515	Hardness	51-1197	9/11	13:45	21	mg/L as CaCO3	
W0515	Hardness	51-1574	9/22	11:05	23	mg/L as CaCO3	
W0515	Aluminum - Dissolved	51-1101	6/19	10:15	<20	µg/L	
W0515	Aluminum - Dissolved	51-1197	9/11	13:45	76	µg/L	h
W0515	Aluminum - Dissolved	51-1574	9/22	11:05	51	µg/L	
W0515	Antimony - Dissolved	51-1101	6/19	10:15	<0.15	µg/L	
W0515	Antimony - Dissolved	51-1197	9/11	13:45	<0.15	µg/L	h
W0515	Antimony - Dissolved	51-1574	9/22	11:05	0.22	µg/L	d
W0515	Arsenic - Dissolved	51-1101	6/19	10:15	<0.51	µg/L	
W0515	Arsenic - Dissolved	51-1197	9/11	13:45	<0.51	µg/L	h
W0515	Arsenic - Dissolved	51-1574	9/22	11:05	<0.51	µg/L	
W0515	Beryllium - Dissolved	51-1101	6/19	10:15	<0.20	µg/L	
W0515	Beryllium - Dissolved	51-1197	9/11	13:45	<0.20	µg/L	h
W0515	Beryllium - Dissolved	51-1574	9/22	11:05	<0.20	µg/L	
W0515	Cadmium - Dissolved	51-1101	6/19	10:15	<0.13	µg/L	
W0515	Cadmium - Dissolved	51-1197	9/11	13:45	<0.13	µg/L	h
W0515	Cadmium - Dissolved	51-1574	9/22	11:05	<0.13	µg/L	
W0515	Calcium - Dissolved	51-1101	6/19	10:15	7.9	mg/L	
W0515	Calcium - Dissolved	51-1197	9/11	13:45	6.0	mg/L	
W0515	Calcium - Dissolved	51-1574	9/22	11:05	6.7	mg/L	
W0515	Chromium - Dissolved	51-1101	6/19	10:15	<0.22	µg/L	
W0515	Chromium - Dissolved	51-1197	9/11	13:45	0.23	µg/L	h
W0515	Chromium - Dissolved	51-1574	9/22	11:05	<0.22	µg/L	h

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W0515	Copper - Dissolved	51-1101	6/19	10:15	0.78	µg/L	
W0515	Copper - Dissolved	51-1197	9/11	13:45	1.0	µg/L	a, h
W0515	Copper - Dissolved	51-1574	9/22	11:05	##	µg/L	a, d
W0515	Lead - Dissolved	51-1101	6/19	10:15	0.49	µg/L	
W0515	Lead - Dissolved	51-1197	9/11	13:45	0.36	µg/L	h
W0515	Lead - Dissolved	51-1574	9/22	11:05	<0.14	µg/L	d
W0515	Magnesium - Dissolved	51-1101	6/19	10:15	1.8	mg/L	
W0515	Magnesium - Dissolved	51-1197	9/11	13:45	1.4	mg/L	
W0515	Magnesium - Dissolved	51-1574	9/22	11:05	1.6	mg/L	
W0515	Nickel - Dissolved	51-1101	6/19	10:15	0.46	µg/L	
W0515	Nickel - Dissolved	51-1197	9/11	13:45	0.51	µg/L	h
W0515	Nickel - Dissolved	51-1574	9/22	11:05	0.40	µg/L	
W0515	Selenium - Dissolved	51-1101	6/19	10:15	<2.6	µg/L	
W0515	Selenium - Dissolved	51-1197	9/11	13:45	<2.6	µg/L	h
W0515	Selenium - Dissolved	51-1574	9/22	11:05	<2.6	µg/L	
W0515	Silver - Dissolved	51-1101	6/19	10:15	<0.13	µg/L	
W0515	Silver - Dissolved	51-1197	9/11	13:45	<0.20	µg/L	h
W0515	Silver - Dissolved	51-1574	9/22	11:05	<0.13	µg/L	
W0515	Thallium - Dissolved	51-1101	6/19	10:15	<0.16	µg/L	
W0515	Thallium - Dissolved	51-1197	9/11	13:45	<0.20	µg/L	h
W0515	Thallium - Dissolved	51-1574	9/22	11:05	<0.20	µg/L	
W0515	Zinc - Dissolved	51-1101	6/19	10:15	1.4	µg/L	
W0515	Zinc - Dissolved	51-1197	9/11	13:45	3.7	µg/L	h
W0515	Zinc - Dissolved	51-1574	9/22	11:05	2.7	µg/L	
W0680	*E. coli*	51-1583	11/6	9:45	>2419.6	MPN/100mL	
W0680	Turbidity	51-1583	11/6	9:45	6.9	NTU	
W0680	Hardness	51-0934	6/19	8:40	77	mg/L as CaCO3	
W0680	Hardness	51-1194	9/11	12:35	46	mg/L as CaCO3	
W0680	Hardness	51-1571	9/22	10:00	74	mg/L as CaCO3	
W0680	Aluminum - Dissolved	51-0934	6/19	8:40	<20	µg/L	
W0680	Aluminum - Dissolved	51-1194	9/11	12:35	<50	µg/L	h
W0680	Aluminum - Dissolved	51-1571	9/22	10:00	<50	µg/L	
W0680	Antimony - Dissolved	51-0934	6/19	8:40	0.23	µg/L	
W0680	Antimony - Dissolved	51-1194	9/11	12:35	0.21	µg/L	h
W0680	Antimony - Dissolved	51-1571	9/22	10:00	0.22	µg/L	
W0680	Arsenic - Dissolved	51-0934	6/19	8:40	4.3	µg/L	
W0680	Arsenic - Dissolved	51-1194	9/11	12:35	3.9	µg/L	h
W0680	Arsenic - Dissolved	51-1571	9/22	10:00	3.5	µg/L	
W0680	Beryllium - Dissolved	51-0934	6/19	8:40	<0.20	µg/L	
W0680	Beryllium - Dissolved	51-1194	9/11	12:35	<0.20	µg/L	h
W0680	Beryllium - Dissolved	51-1571	9/22	10:00	<0.20	µg/L	
W0680	Cadmium - Dissolved	51-0934	6/19	8:40	<0.13	µg/L	

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W0680	Cadmium - Dissolved	51-1194	9/11	12:35	0.18	µg/L	h
W0680	Cadmium - Dissolved	51-1571	9/22	10:00	0.36	µg/L	
W0680	Calcium - Dissolved	51-0934	6/19	8:40	25	mg/L	
W0680	Calcium - Dissolved	51-1194	9/11	12:35	15	mg/L	
W0680	Calcium - Dissolved	51-1571	9/22	10:00	24	mg/L	
W0680	Chromium - Dissolved	51-0934	6/19	8:40	0.53	µg/L	
W0680	Chromium - Dissolved	51-1194	9/11	12:35	0.38	µg/L	h
W0680	Chromium - Dissolved	51-1571	9/22	10:00	<0.22	µg/L	
W0680	Copper - Dissolved	51-0934	6/19	8:40	2.3	µg/L	
W0680	Copper - Dissolved	51-1194	9/11	12:35	4.3	µg/L	a, h
W0680	Copper - Dissolved	51-1571	9/22	10:00	4.0	µg/L	a, d
W0680	Lead - Dissolved	51-0934	6/19	8:40	1.2	µg/L	
W0680	Lead - Dissolved	51-1194	9/11	12:35	0.68	µg/L	h
W0680	Lead - Dissolved	51-1571	9/22	10:00	0.30	µg/L	
W0680	Magnesium - Dissolved	51-0934	6/19	8:40	3.6	mg/L	
W0680	Magnesium - Dissolved	51-1194	9/11	12:35	2.2	mg/L	
W0680	Magnesium - Dissolved	51-1571	9/22	10:00	3.5	mg/L	
W0680	Nickel - Dissolved	51-0934	6/19	8:40	3.1	µg/L	
W0680	Nickel - Dissolved	51-1194	9/11	12:35	2.1	µg/L	h
W0680	Nickel - Dissolved	51-1571	9/22	10:00	3.6	µg/L	
W0680	Selenium - Dissolved	51-0934	6/19	8:40	<2.6	µg/L	
W0680	Selenium - Dissolved	51-1194	9/11	12:35	<2.6	µg/L	h
W0680	Selenium - Dissolved	51-1571	9/22	10:00	<2.6	µg/L	
W0680	Silver - Dissolved	51-0934	6/19	8:40	<0.13	µg/L	
W0680	Silver - Dissolved	51-1194	9/11	12:35	<0.20	µg/L	h
W0680	Silver - Dissolved	51-1571	9/22	10:00	<0.13	µg/L	
W0680	Thallium - Dissolved	51-0934	6/19	8:40	<0.16	µg/L	
W0680	Thallium - Dissolved	51-1194	9/11	12:35	<0.20	µg/L	h
W0680	Thallium - Dissolved	51-1571	9/22	10:00	<0.20	µg/L	
W0680	Zinc - Dissolved	51-0934	6/19	8:40	7.2	µg/L	
W0680	Zinc - Dissolved	51-1194	9/11	12:35	8.5	µg/L	h
W0680	Zinc - Dissolved	51-1571	9/22	10:00	11	µg/L	
W0767	Hardness	51-0935	6/19	9:04	71	mg/L as CaCO3	
W0767	Hardness	51-1195	9/11	13:05	53	mg/L as CaCO3	
W0767	Hardness	51-1572	9/22	10:25	69	mg/L as CaCO3	
W0767	Aluminum - Dissolved	51-0935	6/19	9:04	<20	µg/L	
W0767	Aluminum - Dissolved	51-1195	9/11	13:05	<50	µg/L	h
W0767	Aluminum - Dissolved	51-1572	9/22	10:25	<50	µg/L	
W0767	Antimony - Dissolved	51-0935	6/19	9:04	0.32	µg/L	
W0767	Antimony - Dissolved	51-1195	9/11	13:05	0.28	µg/L	h
W0767	Antimony - Dissolved	51-1572	9/22	10:25	0.29	µg/L	
W0767	Arsenic - Dissolved	51-0935	6/19	9:04	4.5	µg/L	

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W0767	Arsenic - Dissolved	51-1195	9/11	13:05	3.4	µg/L	h
W0767	Arsenic - Dissolved	51-1572	9/22	10:25	3.8	µg/L	
W0767	Beryllium - Dissolved	51-0935	6/19	9:04	<0.20	µg/L	
W0767	Beryllium - Dissolved	51-1195	9/11	13:05	<0.20	µg/L	h
W0767	Beryllium - Dissolved	51-1572	9/22	10:25	<0.20	µg/L	
W0767	Cadmium - Dissolved	51-0935	6/19	9:04	0.28	µg/L	
W0767	Cadmium - Dissolved	51-1195	9/11	13:05	0.27	µg/L	h
W0767	Cadmium - Dissolved	51-1572	9/22	10:25	0.34	µg/L	
W0767	Calcium - Dissolved	51-0935	6/19	9:04	22	mg/L	
W0767	Calcium - Dissolved	51-1195	9/11	13:05	17	mg/L	
W0767	Calcium - Dissolved	51-1572	9/22	10:25	22	mg/L	
W0767	Chromium - Dissolved	51-0935	6/19	9:04	0.79	µg/L	
W0767	Chromium - Dissolved	51-1195	9/11	13:05	0.44	µg/L	h
W0767	Chromium - Dissolved	51-1572	9/22	10:25	0.26	µg/L	
W0767	Copper - Dissolved	51-0935	6/19	9:04	5.5	µg/L	
W0767	Copper - Dissolved	51-1195	9/11	13:05	5.4	µg/L	a, h
W0767	Copper - Dissolved	51-1572	9/22	10:25	6.2	µg/L	a, d
W0767	Lead - Dissolved	51-0935	6/19	9:04	0.90	µg/L	
W0767	Lead - Dissolved	51-1195	9/11	13:05	0.88	µg/L	h
W0767	Lead - Dissolved	51-1572	9/22	10:25	0.30	µg/L	
W0767	Magnesium - Dissolved	51-0935	6/19	9:04	3.7	mg/L	
W0767	Magnesium - Dissolved	51-1195	9/11	13:05	2.7	mg/L	
W0767	Magnesium - Dissolved	51-1572	9/22	10:25	3.5	mg/L	
W0767	Nickel - Dissolved	51-0935	6/19	9:04	4.1	µg/L	
W0767	Nickel - Dissolved	51-1195	9/11	13:05	2.9	µg/L	h
W0767	Nickel - Dissolved	51-1572	9/22	10:25	2.9	µg/L	
W0767	Selenium - Dissolved	51-0935	6/19	9:04	<2.6	µg/L	
W0767	Selenium - Dissolved	51-1195	9/11	13:05	<2.6	µg/L	h
W0767	Selenium - Dissolved	51-1572	9/22	10:25	<2.6	µg/L	
W0767	Silver - Dissolved	51-0935	6/19	9:04	<0.13	µg/L	
W0767	Silver - Dissolved	51-1195	9/11	13:05	<0.20	µg/L	h
W0767	Silver - Dissolved	51-1572	9/22	10:25	<0.13	µg/L	
W0767	Thallium - Dissolved	51-0935	6/19	9:04	<0.16	µg/L	
W0767	Thallium - Dissolved	51-1195	9/11	13:05	<0.20	µg/L	h
W0767	Thallium - Dissolved	51-1572	9/22	10:25	<0.20	µg/L	h
W0767	Zinc - Dissolved	51-0935	6/19	9:04	17	µg/L	
W0767	Zinc - Dissolved	51-1195	9/11	13:05	14	µg/L	h
W0767	Zinc - Dissolved	51-1572	9/22	10:25	17	µg/L	
W1017	Total Nitrogen	51-0713	4/29	9:31	2.1	mg/L	
W1017	Total Nitrogen	51-0867	5/27	8:57	8.5	mg/L	
W1017	Total Nitrogen	51-1036	6/24	8:48	1.9	mg/L	
W1017	Total Nitrogen	51-1297	8/5	8:50	3.5	mg/L	h

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W1017	Total Nitrogen	51-1498	8/26	9:22	6.1	mg/L	
W1017	Nitrate/Nitrite-N	51-0713	4/29	9:31	0.40	mg/L	
W1017	Nitrate/Nitrite-N	51-0867	5/27	8:57	1.6	mg/L	
W1017	Nitrate/Nitrite-N	51-1036	6/24	8:48	0.80	mg/L	
W1017	Nitrate/Nitrite-N	51-1297	8/5	8:50	<0.02	mg/L	
W1017	Nitrate/Nitrite-N	51-1498	8/26	9:22	2.9	mg/L	
W1017	Ammonia-N	51-0713	4/29	9:31	1.1	mg/L	
W1017	Ammonia-N	51-0867	5/27	8:57	6.2	mg/L	
W1017	Ammonia-N	51-1036	6/24	8:48	0.44	mg/L	
W1017	Ammonia-N	51-1297	8/5	8:50	<0.02	mg/L	
W1017	Ammonia-N	51-1498	8/26	9:22	1.5	mg/L	
W1017	Total Phosphorus	51-0713	4/29	9:31	0.27	mg/L	
W1017	Total Phosphorus	51-0867	5/27	8:57	0.87	mg/L	
W1017	Total Phosphorus	51-1036	6/24	8:48	0.43	mg/L	
W1017	Total Phosphorus	51-1297	8/5	8:50	0.70	mg/L	h
W1017	Total Phosphorus	51-1498	8/26	9:22	1.1	mg/L	
W1017	Dissolved Reactive Phosphorus	51-0713	4/29	9:31	0.11	mg/L	h, m
W1017	Dissolved Reactive Phosphorus	51-0867	5/27	8:57	0.76	mg/L	b, m
W1017	Dissolved Reactive Phosphorus	51-1036	6/24	8:48	0.25	mg/L	m
W1017	Dissolved Reactive Phosphorus	51-1297	8/5	8:50	0.60	mg/L	h, m
W1017	Dissolved Reactive Phosphorus	51-1498	8/26	9:22	0.96	mg/L	h, m
W1017	Suspended Solids	51-0713	4/29	9:31	16	mg/L	
W1017	Suspended Solids	51-0867	5/27	8:57	2.7	mg/L	
W1017	Suspended Solids	51-1036	6/24	8:48	15	mg/L	
W1017	Suspended Solids	51-1297	8/5	8:50	5.1	mg/L	
W1017	Suspended Solids	51-1498	8/26	9:22	3.7	mg/L	
W1017	*E. coli*	51-0713	4/29	9:31	1100	CFU/100mL	
W1017	*E. coli*	51-0867	5/27	8:57	100	CFU/100mL	
W1017	*E. coli*	51-1036	6/24	8:48	3100	CFU/100mL	
W1017	*E. coli*	51-1140	7/8	8:55	140	CFU/100mL	
W1017	*E. coli*	51-1297	8/5	8:50	240	CFU/100mL	
W1017	*E. coli*	51-1498	8/26	9:22	100	CFU/100mL	
W1017	True Color	51-0713	4/29	9:31	21	PCU	
W1017	True Color	51-0867	5/27	8:57	17	PCU	
W1017	True Color	51-1036	6/24	8:48	25	PCU	
W1017	True Color	51-1297	8/5	8:50	35	PCU	d
W1017	True Color	51-1498	8/26	9:22	32	PCU	
W1017	Turbidity	51-0713	4/29	9:31	13.0	NTU	
W1017	Turbidity	51-0867	5/27	8:57	3.1	NTU	
W1017	Turbidity	51-1036	6/24	8:48	10.5	NTU	
W1017	Turbidity	51-1297	8/5	8:50	4.1	NTU	
W1017	Turbidity	51-1498	8/26	9:22	3.1	NTU	

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W1018	Total Nitrogen	51-0735	4/29	11:20	0.61	mg/L	
W1018	Total Nitrogen	51-0884	5/27	11:24	0.44	mg/L	
W1018	Total Nitrogen	51-1053	6/24	10:40	0.54	mg/L	
W1018	Total Nitrogen	51-1314	8/5	11:11	0.36	mg/L	h
~~W1018~~	~~Total Nitrogen~~	~~51-1315~~	~~8/5~~	~~11:11~~	~~0.34~~	~~mg/L~~	~~h~~
W1018	Total Nitrogen	51-1515	8/26	10:47	0.38	mg/L	
W1018	Nitrate/Nitrite-N	51-0735	4/29	11:20	0.16	mg/L	
W1018	Nitrate/Nitrite-N	51-0884	5/27	11:24	0.09	mg/L	
W1018	Nitrate/Nitrite-N	51-1053	6/24	10:40	0.08	mg/L	
W1018	Nitrate/Nitrite-N	51-1314	8/5	11:11	0.04	mg/L	
~~W1018~~	~~Nitrate/Nitrite-N~~	~~51-1315~~	~~8/5~~	~~11:11~~	~~0.04~~	~~mg/L~~	~~-~~
W1018	Nitrate/Nitrite-N	51-1515	8/26	10:47	0.07	mg/L	
W1018	Ammonia-N	51-0735	4/29	11:20	0.06	mg/L	
W1018	Ammonia-N	51-0884	5/27	11:24	0.02	mg/L	
W1018	Ammonia-N	51-1053	6/24	10:40	0.06	mg/L	
W1018	Ammonia-N	51-1314	8/5	11:11	<0.02	mg/L	
~~W1018~~	~~Ammonia-N~~	~~51-1315~~	~~8/5~~	~~11:11~~	~~0.02~~	~~mg/L~~	~~-~~
W1018	Ammonia-N	51-1515	8/26	10:47	0.03	mg/L	
W1018	Total Phosphorus	51-0735	4/29	11:20	0.030	mg/L	
W1018	Total Phosphorus	51-0884	5/27	11:24	0.020	mg/L	
W1018	Total Phosphorus	51-1053	6/24	10:40	0.043	mg/L	
W1018	Total Phosphorus	51-1314	8/5	11:11	0.027	mg/L	h
~~W1018~~	~~Total Phosphorus~~	~~51-1315~~	~~8/5~~	~~11:11~~	~~0.024~~	~~mg/L~~	~~h~~
W1018	Total Phosphorus	51-1515	8/26	10:47	0.021	mg/L	e
W1018	Dissolved Reactive Phosphorus	51-0735	4/29	11:20	<0.005	mg/L	h, m
W1018	Dissolved Reactive Phosphorus	51-0884	5/27	11:24	<0.005	mg/L	m
W1018	Dissolved Reactive Phosphorus	51-1053	6/24	10:40	0.006	mg/L	m
W1018	Dissolved Reactive Phosphorus	51-1314	8/5	11:11	0.006	mg/L	h, m
~~W1018~~	~~Dissolved Reactive Phosphorus~~	~~51-1315~~	~~8/5~~	~~11:11~~	~~0.008~~	~~mg/L~~	~~h, m~~
W1018	Dissolved Reactive Phosphorus	51-1515	8/26	10:47	##	mg/L	d, e, m
W1018	Suspended Solids	51-0735	4/29	11:20	4.8	mg/L	
W1018	Suspended Solids	51-0884	5/27	11:24	1.9	mg/L	
W1018	Suspended Solids	51-1053	6/24	10:40	6.7	mg/L	
W1018	Suspended Solids	51-1314	8/5	11:11	1.5	mg/L	
~~W1018~~	~~Suspended Solids~~	~~51-1315~~	~~8/5~~	~~11:11~~	~~1.5~~	~~mg/L~~	~~-~~
W1018	Suspended Solids	51-1515	8/26	10:47	<1.0	mg/L	
W1018	*E. coli*	51-0735	4/29	11:20	62	CFU/100mL	
W1018	*E. coli*	51-0884	5/27	11:24	32	CFU/100mL	
W1018	*E. coli*	51-1053	6/24	10:40	540	CFU/100mL	
W1018	*E. coli*	51-1157	7/8	10:15	58	CFU/100mL	
W1018	*E. coli*	51-1314	8/5	11:11	52	CFU/100mL	
~~W1018~~	~~*E. coli*~~	~~51-1315~~	~~8/5~~	~~11:11~~	~~39~~	~~CFU/100mL~~	~~-~~

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1018	*E. coli*	51-1515	8/26	10:47	26	CFU/100mL	d
W1018	True Color	51-0735	4/29	11:20	15	PCU	
W1018	True Color	51-0884	5/27	11:24	25	PCU	
W1018	True Color	51-1053	6/24	10:40	18	PCU	
W1018	True Color	51-1314	8/5	11:11	17	PCU	b
~~W1018~~	~~True Color~~	~~51-1315~~	~~8/5~~	~~11:11~~	~~37~~	~~PCU~~	~~b~~
W1018	True Color	51-1515	8/26	10:47	18	PCU	
W1018	Turbidity	51-0735	4/29	11:20	3.1	NTU	
W1018	Turbidity	51-0884	5/27	11:24	1.5	NTU	
W1018	Turbidity	51-1053	6/24	10:40	4.5	NTU	
W1018	Turbidity	51-1314	8/5	11:11	0.9	NTU	
~~W1018~~	~~Turbidity~~	~~51-1315~~	~~8/5~~	~~11:11~~	~~0.9~~	~~NTU~~	-
W1018	Turbidity	51-1515	8/26	10:47	0.7	NTU	
W1022	Total Nitrogen	51-0750	5/1	8:53	0.58	mg/L	
W1022	Total Nitrogen	51-0898	5/29	8:58	0.94	mg/L	
W1022	Total Nitrogen	51-1067	6/26	8:47	0.92	mg/L	
W1022	Total Nitrogen	51-1328	8/7	9:03	0.82	mg/L	h
W1022	Total Nitrogen	51-1529	8/28	9:25	0.94	mg/L	
W1022	Ammonia-N	51-0750	5/1	8:53	<0.02	mg/L	
W1022	Ammonia-N	51-0898	5/29	8:58	0.10	mg/L	
W1022	Ammonia-N	51-1067	6/26	8:47	0.05	mg/L	
W1022	Ammonia-N	51-1328	8/7	9:03	0.05	mg/L	
W1022	Ammonia-N	51-1529	8/28	9:25	0.03	mg/L	
W1022	Total Phosphorus	51-0750	5/1	8:53	0.018	mg/L	
W1022	Total Phosphorus	51-0898	5/29	8:58	0.022	mg/L	
W1022	Total Phosphorus	51-1067	6/26	8:47	0.031	mg/L	
W1022	Total Phosphorus	51-1328	8/7	9:03	0.021	mg/L	h
W1022	Total Phosphorus	51-1529	8/28	9:25	0.013	mg/L	
W1022	Suspended Solids	51-0750	5/1	8:53	1.3	mg/L	d
W1022	Suspended Solids	51-0898	5/29	8:58	##	mg/L	d
W1022	Suspended Solids	51-1067	6/26	8:47	2.2	mg/L	
W1022	Suspended Solids	51-1328	8/7	9:03	2.8	mg/L	a, d
W1022	Suspended Solids	51-1529	8/28	9:25	<1.0	mg/L	
W1022	*E. coli*	51-0750	5/1	8:53	76	CFU/100mL	
W1022	*E. coli*	51-0898	5/29	8:58	170	CFU/100mL	
W1022	*E. coli*	51-1067	6/26	8:47	510	CFU/100mL	
W1022	*E. coli*	51-1171	7/10	8:54	670	CFU/100mL	
W1022	*E. coli*	51-1328	8/7	9:03	1200	CFU/100mL	
W1022	*E. coli*	51-1529	8/28	9:25	240	CFU/100mL	
W1022	True Color	51-0750	5/1	8:53	70	PCU	
W1022	True Color	51-0898	5/29	8:58	49	PCU	
W1022	True Color	51-1067	6/26	8:47	28	PCU	d

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1022	True Color	51-1328	8/7	9:03	24	PCU	d
W1022	True Color	51-1529	8/28	9:25	25	PCU	
W1022	Turbidity	51-0750	5/1	8:53	1.4	NTU	d
W1022	Turbidity	51-0898	5/29	8:58	2.4	NTU	b, d
W1022	Turbidity	51-1067	6/26	8:47	2.7	NTU	
W1022	Turbidity	51-1328	8/7	9:03	2.4	NTU	b
W1022	Turbidity	51-1529	8/28	9:25	1.4	NTU	
W1022	Hardness	51-0750	5/1	8:53	38	mg/L	
W1022	Hardness	51-0898	5/29	8:58	50	mg/L	
W1022	Hardness	51-0940	6/19	11:04	50	mg/L as CaCO3	
W1022	Hardness	51-1067	6/26	8:47	53	mg/L	
W1022	Hardness	51-1201	9/12	11:50	47	mg/L as CaCO3	f
W1022	Hardness	51-1578	9/22	12:30	49	mg/L as CaCO3	
W1022	Aluminum - Dissolved	51-0940	6/19	11:04	<20	µg/L	
W1022	Aluminum - Dissolved	51-1201	9/12	11:50	<50	µg/L	f, h
W1022	Aluminum - Dissolved	51-1578	9/22	12:30	<50	µg/L	
W1022	Antimony - Dissolved	51-0940	6/19	11:04	<0.15	µg/L	
W1022	Antimony - Dissolved	51-1201	9/12	11:50	<0.15	µg/L	f, h
W1022	Antimony - Dissolved	51-1578	9/22	12:30	<0.15	µg/L	
W1022	Arsenic - Dissolved	51-0940	6/19	11:04	<0.51	µg/L	
W1022	Arsenic - Dissolved	51-1201	9/12	11:50	<0.51	µg/L	f, h
W1022	Arsenic - Dissolved	51-1578	9/22	12:30	<0.51	µg/L	
W1022	Beryllium - Dissolved	51-0940	6/19	11:04	<0.20	µg/L	
W1022	Beryllium - Dissolved	51-1201	9/12	11:50	<0.20	µg/L	f, h
W1022	Beryllium - Dissolved	51-1578	9/22	12:30	<0.20	µg/L	
W1022	Cadmium - Dissolved	51-0940	6/19	11:04	<0.13	µg/L	
W1022	Cadmium - Dissolved	51-1201	9/12	11:50	<0.13	µg/L	f, h
W1022	Cadmium - Dissolved	51-1578	9/22	12:30	<0.13	µg/L	
W1022	Calcium - Dissolved	51-0940	6/19	11:04	15	mg/L	
W1022	Calcium - Dissolved	51-1201	9/12	11:50	14	mg/L	f
W1022	Calcium - Dissolved	51-1578	9/22	12:30	15	mg/L	
W1022	Chromium - Dissolved	51-0940	6/19	11:04	0.37	µg/L	
W1022	Chromium - Dissolved	51-1201	9/12	11:50	<0.22	µg/L	f, h
W1022	Chromium - Dissolved	51-1578	9/22	12:30	<0.22	µg/L	h
W1022	Copper - Dissolved	51-0940	6/19	11:04	1.0	µg/L	
W1022	Copper - Dissolved	51-1201	9/12	11:50	1.4	µg/L	a, f, h
W1022	Copper - Dissolved	51-1578	9/22	12:30	0.79	µg/L	a, d
W1022	Lead - Dissolved	51-0940	6/19	11:04	0.30	µg/L	
W1022	Lead - Dissolved	51-1201	9/12	11:50	<0.14	µg/L	f, h
W1022	Lead - Dissolved	51-1578	9/22	12:30	<0.14	µg/L	
W1022	Magnesium - Dissolved	51-0940	6/19	11:04	2.8	mg/L	
W1022	Magnesium - Dissolved	51-1201	9/12	11:50	2.7	mg/L	f

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W1022	Magnesium - Dissolved	51-1578	9/22	12:30	2.8	mg/L	
W1022	Nickel - Dissolved	51-0940	6/19	11:04	0.85	µg/L	
W1022	Nickel - Dissolved	51-1201	9/12	11:50	0.60	µg/L	f, h
W1022	Nickel - Dissolved	51-1578	9/22	12:30	0.54	µg/L	
W1022	Selenium - Dissolved	51-0940	6/19	11:04	<2.6	µg/L	
W1022	Selenium - Dissolved	51-1201	9/12	11:50	<2.6	µg/L	f, h
W1022	Selenium - Dissolved	51-1578	9/22	12:30	<2.6	µg/L	
W1022	Silver - Dissolved	51-0940	6/19	11:04	<0.13	µg/L	
W1022	Silver - Dissolved	51-1201	9/12	11:50	<0.20	µg/L	f, h
W1022	Silver - Dissolved	51-1578	9/22	12:30	<0.13	µg/L	
W1022	Thallium - Dissolved	51-0940	6/19	11:04	<0.16	µg/L	
W1022	Thallium - Dissolved	51-1201	9/12	11:50	<0.20	µg/L	f, h
W1022	Thallium - Dissolved	51-1578	9/22	12:30	<0.20	µg/L	
W1022	Zinc - Dissolved	51-0940	6/19	11:04	3.4	µg/L	
W1022	Zinc - Dissolved	51-1201	9/12	11:50	2.7	µg/L	f, h
W1022	Zinc - Dissolved	51-1578	9/22	12:30	2.3	µg/L	
W1023	Total Nitrogen	51-0741	4/29	10:30	2.7	mg/L	
W1023	Total Nitrogen	51-0890	5/27	9:12	2.2	mg/L	
W1023	Total Nitrogen	51-1059	6/24	9:30	3.6	mg/L	
W1023	Total Nitrogen	51-1320	8/5	9:46	1.6	mg/L	h
W1023	Total Nitrogen	51-1521	8/26	9:55	1.9	mg/L	
W1023	Nitrate/Nitrite-N	51-0741	4/29	10:30	0.93	mg/L	
W1023	Nitrate/Nitrite-N	51-0890	5/27	9:12	1.6	mg/L	
W1023	Nitrate/Nitrite-N	51-1059	6/24	9:30	1.9	mg/L	
W1023	Nitrate/Nitrite-N	51-1320	8/5	9:46	1.1	mg/L	
W1023	Nitrate/Nitrite-N	51-1521	8/26	9:55	1.4	mg/L	
W1023	Ammonia-N	51-0741	4/29	10:30	1.2	mg/L	
W1023	Ammonia-N	51-0890	5/27	9:12	0.11	mg/L	
W1023	Ammonia-N	51-1059	6/24	9:30	0.52	mg/L	
W1023	Ammonia-N	51-1320	8/5	9:46	0.04	mg/L	
W1023	Ammonia-N	51-1521	8/26	9:55	<0.02	mg/L	
W1023	Total Phosphorus	51-0741	4/29	10:30	0.24	mg/L	
W1023	Total Phosphorus	51-0890	5/27	9:12	0.13	mg/L	
W1023	Total Phosphorus	51-1059	6/24	9:30	0.64	mg/L	
W1023	Total Phosphorus	51-1320	8/5	9:46	0.20	mg/L	h
W1023	Total Phosphorus	51-1521	8/26	9:55	0.20	mg/L	
W1023	Dissolved Reactive Phosphorus	51-0741	4/29	10:30	0.075	mg/L	h, m
W1023	Dissolved Reactive Phosphorus	51-0890	5/27	9:12	0.058	mg/L	m
W1023	Dissolved Reactive Phosphorus	51-1059	6/24	9:30	0.30	mg/L	m
W1023	Dissolved Reactive Phosphorus	51-1320	8/5	9:46	0.12	mg/L	h, m
W1023	Dissolved Reactive Phosphorus	51-1521	8/26	9:55	0.11	mg/L	h, m
W1023	Suspended Solids	51-0741	4/29	10:30	18	mg/L	

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W1023	Suspended Solids	51-0890	5/27	9:12	2.4	mg/L	
W1023	Suspended Solids	51-1059	6/24	9:30	27	mg/L	
W1023	Suspended Solids	51-1320	8/5	9:46	6.5	mg/L	
W1023	Suspended Solids	51-1521	8/26	9:55	4.4	mg/L	
W1023	*E. coli*	51-0741	4/29	10:30	210	CFU/100mL	
W1023	*E. coli*	51-0890	5/27	9:12	58	CFU/100mL	
W1023	*E. coli*	51-1059	6/24	9:30	4800	CFU/100mL	
W1023	*E. coli*	51-1163	7/8	9:58	90	CFU/100mL	
W1023	*E. coli*	51-1320	8/5	9:46	120	CFU/100mL	
W1023	*E. coli*	51-1521	8/26	9:55	120	CFU/100mL	
W1023	True Color	51-0741	4/29	10:30	20	PCU	
W1023	True Color	51-0890	5/27	9:12	26	PCU	
W1023	True Color	51-1059	6/24	9:30	17	PCU	
W1023	True Color	51-1320	8/5	9:46	25	PCU	b, d
W1023	True Color	51-1521	8/26	9:55	20	PCU	
W1023	Turbidity	51-0741	4/29	10:30	7.8	NTU	
W1023	Turbidity	51-0890	5/27	9:12	2.9	NTU	b
W1023	Turbidity	51-1059	6/24	9:30	20.0	NTU	
W1023	Turbidity	51-1320	8/5	9:46	4.5	NTU	
W1023	Turbidity	51-1521	8/26	9:55	3.2	NTU	
W1023	Hardness	51-0741	4/29	10:30	40	mg/L	
W1023	Hardness	51-0890	5/27	9:12	45	mg/L	
W1023	Hardness	51-0941	6/19	11:25	49	mg/L as CaCO3	
W1023	Hardness	51-1059	6/24	9:30	65	mg/L	
W1023	Hardness	51-1202	9/12	11:30	41	mg/L as CaCO3	f
W1023	Hardness	51-1579	9/22	12:45	44	mg/L as CaCO3	
W1023	Aluminum - Dissolved	51-0941	6/19	11:25	<20	µg/L	
W1023	Aluminum - Dissolved	51-1202	9/12	11:30	<50	µg/L	f, h
W1023	Aluminum - Dissolved	51-1579	9/22	12:45	<50	µg/L	
W1023	Antimony - Dissolved	51-0941	6/19	11:25	0.29	µg/L	
W1023	Antimony - Dissolved	51-1202	9/12	11:30	0.29	µg/L	f, h
W1023	Antimony - Dissolved	51-1579	9/22	12:45	0.30	µg/L	
W1023	Arsenic - Dissolved	51-0941	6/19	11:25	2.5	µg/L	
W1023	Arsenic - Dissolved	51-1202	9/12	11:30	2.1	µg/L	f, h
W1023	Arsenic - Dissolved	51-1579	9/22	12:45	1.1	µg/L	
W1023	Beryllium - Dissolved	51-0941	6/19	11:25	<0.20	µg/L	
W1023	Beryllium - Dissolved	51-1202	9/12	11:30	<0.20	µg/L	f, h
W1023	Beryllium - Dissolved	51-1579	9/22	12:45	<0.20	µg/L	
W1023	Cadmium - Dissolved	51-0941	6/19	11:25	0.18	µg/L	
W1023	Cadmium - Dissolved	51-1202	9/12	11:30	0.22	µg/L	f, h
W1023	Cadmium - Dissolved	51-1579	9/22	12:45	0.20	µg/L	
W1023	Calcium - Dissolved	51-0941	6/19	11:25	15	mg/L	

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W1023	Calcium - Dissolved	51-1202	9/12	11:30	13	mg/L	f
W1023	Calcium - Dissolved	51-1579	9/22	12:45	14	mg/L	
W1023	Chromium - Dissolved	51-0941	6/19	11:25	0.59	µg/L	
W1023	Chromium - Dissolved	51-1202	9/12	11:30	0.40	µg/L	f, h
W1023	Chromium - Dissolved	51-1579	9/22	12:45	0.34	µg/L	h
W1023	Copper - Dissolved	51-0941	6/19	11:25	4.1	µg/L	
W1023	Copper - Dissolved	51-1202	9/12	11:30	4.9	µg/L	a, f, h
W1023	Copper - Dissolved	51-1579	9/22	12:45	3.9	µg/L	a, d
W1023	Lead - Dissolved	51-0941	6/19	11:25	0.77	µg/L	
W1023	Lead - Dissolved	51-1202	9/12	11:30	0.84	µg/L	f, h
W1023	Lead - Dissolved	51-1579	9/22	12:45	0.15	µg/L	
W1023	Magnesium - Dissolved	51-0941	6/19	11:25	2.6	mg/L	
W1023	Magnesium - Dissolved	51-1202	9/12	11:30	2.2	mg/L	f
W1023	Magnesium - Dissolved	51-1579	9/22	12:45	2.4	mg/L	
W1023	Nickel - Dissolved	51-0941	6/19	11:25	3.0	µg/L	
W1023	Nickel - Dissolved	51-1202	9/12	11:30	2.3	µg/L	f, h
W1023	Nickel - Dissolved	51-1579	9/22	12:45	2.3	µg/L	
W1023	Selenium - Dissolved	51-0941	6/19	11:25	<2.6	µg/L	
W1023	Selenium - Dissolved	51-1202	9/12	11:30	<2.6	µg/L	f, h
W1023	Selenium - Dissolved	51-1579	9/22	12:45	<2.6	µg/L	
W1023	Silver - Dissolved	51-0941	6/19	11:25	<0.13	µg/L	
W1023	Silver - Dissolved	51-1202	9/12	11:30	<0.20	µg/L	f, h
W1023	Silver - Dissolved	51-1579	9/22	12:45	<0.13	µg/L	
W1023	Thallium - Dissolved	51-0941	6/19	11:25	<0.16	µg/L	
W1023	Thallium - Dissolved	51-1202	9/12	11:30	<0.20	µg/L	f, h
W1023	Thallium - Dissolved	51-1579	9/22	12:45	<0.20	µg/L	
W1023	Zinc - Dissolved	51-0941	6/19	11:25	8.0	µg/L	
W1023	Zinc - Dissolved	51-1202	9/12	11:30	11	µg/L	f, h
W1023	Zinc - Dissolved	51-1579	9/22	12:45	10.0	µg/L	
W1025	Total Nitrogen	51-0745	4/29	12:14	0.45	mg/L	
W1025	Total Nitrogen	51-0893	5/27	10:18	0.50	mg/L	
W1025	Total Nitrogen	51-1062	6/24	11:05	0.59	mg/L	
W1025	Total Nitrogen	51-1323	8/5	11:03	0.42	mg/L	h
W1025	Total Nitrogen	51-1524	8/26	11:15	0.53	mg/L	
W1025	Nitrate/Nitrite-N	51-0745	4/29	12:14	0.12	mg/L	
W1025	Nitrate/Nitrite-N	51-0893	5/27	10:18	0.19	mg/L	
W1025	Nitrate/Nitrite-N	51-1062	6/24	11:05	0.23	mg/L	
W1025	Nitrate/Nitrite-N	51-1323	8/5	11:03	0.14	mg/L	
W1025	Nitrate/Nitrite-N	51-1524	8/26	11:15	0.26	mg/L	
W1025	Ammonia-N	51-0745	4/29	12:14	0.02	mg/L	
W1025	Ammonia-N	51-0893	5/27	10:18	0.02	mg/L	
W1025	Ammonia-N	51-1062	6/24	11:05	0.08	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1025	Ammonia-N	51-1323	8/5	11:03	0.03	mg/L	
W1025	Ammonia-N	51-1524	8/26	11:15	0.03	mg/L	
W1025	Total Phosphorus	51-0745	4/29	12:14	0.030	mg/L	
W1025	Total Phosphorus	51-0893	5/27	10:18	0.057	mg/L	
W1025	Total Phosphorus	51-1062	6/24	11:05	0.055	mg/L	
W1025	Total Phosphorus	51-1323	8/5	11:03	0.045	mg/L	h
W1025	Total Phosphorus	51-1524	8/26	11:15	0.040	mg/L	
W1025	Dissolved Reactive Phosphorus	51-0745	4/29	12:14	<0.005	mg/L	m
W1025	Dissolved Reactive Phosphorus	51-0893	5/27	10:18	0.014	mg/L	m
W1025	Dissolved Reactive Phosphorus	51-1062	6/24	11:05	0.019	mg/L	m
W1025	Dissolved Reactive Phosphorus	51-1323	8/5	11:03	0.014	mg/L	h, m
W1025	Dissolved Reactive Phosphorus	51-1524	8/26	11:15	0.009	mg/L	d, m
W1025	Suspended Solids	51-0745	4/29	12:14	4.4	mg/L	
W1025	Suspended Solids	51-0893	5/27	10:18	4.6	mg/L	
W1025	Suspended Solids	51-1062	6/24	11:05	3.5	mg/L	
W1025	Suspended Solids	51-1323	8/5	11:03	3.5	mg/L	d
W1025	Suspended Solids	51-1524	8/26	11:15	3.0	mg/L	
W1025	*E. coli*	51-0745	4/29	12:14	420	CFU/100mL	
W1025	*E. coli*	51-0893	5/27	10:18	52	CFU/100mL	
W1025	*E. coli*	51-1062	6/24	11:05	67	CFU/100mL	
W1025	*E. coli*	51-1166	7/8	10:50	45	CFU/100mL	
W1025	*E. coli*	51-1323	8/5	11:03	39	CFU/100mL	
W1025	*E. coli*	51-1524	8/26	11:15	3	CFU/100mL	d
W1025	True Color	51-0745	4/29	12:14	42	PCU	
W1025	True Color	51-0893	5/27	10:18	23	PCU	
W1025	True Color	51-1062	6/24	11:05	19	PCU	
W1025	True Color	51-1323	8/5	11:03	##	PCU	b, d
W1025	True Color	51-1524	8/26	11:15	<15	PCU	
W1025	Turbidity	51-0745	4/29	12:14	2.9	NTU	
W1025	Turbidity	51-0893	5/27	10:18	3.6	NTU	b, d
W1025	Turbidity	51-1062	6/24	11:05	3.6	NTU	d
W1025	Turbidity	51-1323	8/5	11:03	1.8	NTU	
W1025	Turbidity	51-1524	8/26	11:15	2.0	NTU	
W1025	Hardness	51-0745	4/29	12:14	<20	mg/L	
W1025	Hardness	51-0893	5/27	10:18	24	mg/L	
W1025	Hardness	51-0943	6/19	12:23	20	mg/L as CaCO3	
W1025	Hardness	51-1062	6/24	11:05	23	mg/L	
W1025	Hardness	51-1204	9/12	10:50	16	mg/L as CaCO3	f
W1025	Hardness	51-1581	9/22	13:30	13	mg/L as CaCO3	
W1025	Aluminum - Dissolved	51-0943	6/19	12:23	<20	µg/L	
W1025	Aluminum - Dissolved	51-1204	9/12	10:50	<50	µg/L	f, h
W1025	Aluminum - Dissolved	51-1581	9/22	13:30	<50	µg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1025	Antimony - Dissolved	51-0943	6/19	12:23	<0.15	µg/L	
W1025	Antimony - Dissolved	51-1204	9/12	10:50	<0.15	µg/L	f, h
W1025	Antimony - Dissolved	51-1581	9/22	13:30	0.19	µg/L	
W1025	Arsenic - Dissolved	51-0943	6/19	12:23	<0.51	µg/L	
W1025	Arsenic - Dissolved	51-1204	9/12	10:50	<0.51	µg/L	f, h
W1025	Arsenic - Dissolved	51-1581	9/22	13:30	<0.51	µg/L	
W1025	Beryllium - Dissolved	51-0943	6/19	12:23	<0.20	µg/L	
W1025	Beryllium - Dissolved	51-1204	9/12	10:50	<0.20	µg/L	f, h
W1025	Beryllium - Dissolved	51-1581	9/22	13:30	<0.20	µg/L	
W1025	Cadmium - Dissolved	51-0943	6/19	12:23	<0.13	µg/L	
W1025	Cadmium - Dissolved	51-1204	9/12	10:50	<0.13	µg/L	f, h
W1025	Cadmium - Dissolved	51-1581	9/22	13:30	<0.13	µg/L	
W1025	Calcium - Dissolved	51-0943	6/19	12:23	6.2	mg/L	
W1025	Calcium - Dissolved	51-1204	9/12	10:50	4.9	mg/L	f
W1025	Calcium - Dissolved	51-1581	9/22	13:30	3.6	mg/L	
W1025	Chromium - Dissolved	51-0943	6/19	12:23	<0.22	µg/L	
W1025	Chromium - Dissolved	51-1204	9/12	10:50	<0.22	µg/L	f, h
W1025	Chromium - Dissolved	51-1581	9/22	13:30	<0.22	µg/L	h
W1025	Copper - Dissolved	51-0943	6/19	12:23	0.73	µg/L	
W1025	Copper - Dissolved	51-1204	9/12	10:50	0.69	µg/L	a, f, h
W1025	Copper - Dissolved	51-1581	9/22	13:30	0.51	µg/L	a, d
W1025	Lead - Dissolved	51-0943	6/19	12:23	0.59	µg/L	
W1025	Lead - Dissolved	51-1204	9/12	10:50	<0.14	µg/L	f, h
W1025	Lead - Dissolved	51-1581	9/22	13:30	<0.14	µg/L	
W1025	Magnesium - Dissolved	51-0943	6/19	12:23	1.2	mg/L	
W1025	Magnesium - Dissolved	51-1204	9/12	10:50	1.0	mg/L	f
W1025	Magnesium - Dissolved	51-1581	9/22	13:30	0.85	mg/L	
W1025	Nickel - Dissolved	51-0943	6/19	12:23	0.38	µg/L	
W1025	Nickel - Dissolved	51-1204	9/12	10:50	0.27	µg/L	f, h
W1025	Nickel - Dissolved	51-1581	9/22	13:30	<0.15	µg/L	
W1025	Selenium - Dissolved	51-0943	6/19	12:23	<2.6	µg/L	
W1025	Selenium - Dissolved	51-1204	9/12	10:50	<2.6	µg/L	f, h
W1025	Selenium - Dissolved	51-1581	9/22	13:30	<2.6	µg/L	
W1025	Silver - Dissolved	51-0943	6/19	12:23	<0.13	µg/L	
W1025	Silver - Dissolved	51-1204	9/12	10:50	<0.20	µg/L	f, h
W1025	Silver - Dissolved	51-1581	9/22	13:30	<0.13	µg/L	
W1025	Thallium - Dissolved	51-0943	6/19	12:23	<0.16	µg/L	
W1025	Thallium - Dissolved	51-1204	9/12	10:50	<0.20	µg/L	f, h
W1025	Thallium - Dissolved	51-1581	9/22	13:30	<0.20	µg/L	
W1025	Zinc - Dissolved	51-0943	6/19	12:23	1.9	µg/L	
W1025	Zinc - Dissolved	51-1204	9/12	10:50	2.1	µg/L	f, h
W1025	Zinc - Dissolved	51-1581	9/22	13:30	1.8	µg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1240	Total Nitrogen	51-0723	4/29	11:32	0.71	mg/L	
W1240	Total Nitrogen	51-0875	5/27	11:03	1.1	mg/L	
W1240	Total Nitrogen	51-1044	6/24	11:12	0.87	mg/L	
W1240	Total Nitrogen	51-1305	8/5	10:20	0.80	mg/L	h
W1240	Total Nitrogen	51-1506	8/26	11:35	0.98	mg/L	
W1240	Nitrate/Nitrite-N	51-0723	4/29	11:32	0.21	mg/L	
W1240	Nitrate/Nitrite-N	51-0875	5/27	11:03	0.52	mg/L	
W1240	Nitrate/Nitrite-N	51-1044	6/24	11:12	0.26	mg/L	
W1240	Nitrate/Nitrite-N	51-1305	8/5	10:20	0.39	mg/L	
W1240	Nitrate/Nitrite-N	51-1506	8/26	11:35	0.45	mg/L	
W1240	Ammonia-N	51-0723	4/29	11:32	0.07	mg/L	
W1240	Ammonia-N	51-0875	5/27	11:03	0.31	mg/L	
W1240	Ammonia-N	51-1044	6/24	11:12	0.15	mg/L	
W1240	Ammonia-N	51-1305	8/5	10:20	0.12	mg/L	
W1240	Ammonia-N	51-1506	8/26	11:35	0.15	mg/L	
W1240	Total Phosphorus	51-0723	4/29	11:32	0.069	mg/L	
W1240	Total Phosphorus	51-0875	5/27	11:03	0.039	mg/L	
W1240	Total Phosphorus	51-1044	6/24	11:12	0.089	mg/L	
W1240	Total Phosphorus	51-1305	8/5	10:20	0.052	mg/L	h
W1240	Total Phosphorus	51-1506	8/26	11:35	0.040	mg/L	
W1240	Dissolved Reactive Phosphorus	51-0723	4/29	11:32	<0.005	mg/L	h, m
W1240	Dissolved Reactive Phosphorus	51-0875	5/27	11:03	0.015	mg/L	b, m
W1240	Dissolved Reactive Phosphorus	51-1044	6/24	11:12	0.009	mg/L	m
W1240	Dissolved Reactive Phosphorus	51-1305	8/5	10:20	0.006	mg/L	h, m
W1240	Dissolved Reactive Phosphorus	51-1506	8/26	11:35	<0.005	mg/L	m
W1240	Suspended Solids	51-0723	4/29	11:32	17	mg/L	
W1240	Suspended Solids	51-0875	5/27	11:03	1.9	mg/L	
W1240	Suspended Solids	51-1044	6/24	11:12	14	mg/L	
W1240	Suspended Solids	51-1305	8/5	10:20	4.8	mg/L	
W1240	Suspended Solids	51-1506	8/26	11:35	2.0	mg/L	
W1240	*E. coli*	51-0723	4/29	11:32	830	CFU/100mL	
W1240	*E. coli*	51-0875	5/27	11:03	210	CFU/100mL	
W1240	*E. coli*	51-1044	6/24	11:12	2500	CFU/100mL	
W1240	*E. coli*	51-1148	7/8	10:00	640	CFU/100mL	
W1240	*E. coli*	51-1305	8/5	10:20	500	CFU/100mL	
W1240	*E. coli*	51-1506	8/26	11:35	310	CFU/100mL	
W1240	*E. coli*	51-1585	11/6	10:06	1050	MPN/100mL	
W1240	True Color	51-0723	4/29	11:32	20	PCU	
W1240	True Color	51-0875	5/27	11:03	18	PCU	
W1240	True Color	51-1044	6/24	11:12	26	PCU	
W1240	True Color	51-1305	8/5	10:20	46	PCU	d
W1240	True Color	51-1506	8/26	11:35	18	PCU	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1240	Turbidity	51-0723	4/29	11:32	7.7	NTU	
W1240	Turbidity	51-0875	5/27	11:03	3.0	NTU	
W1240	Turbidity	51-1044	6/24	11:12	11.5	NTU	
W1240	Turbidity	51-1305	8/5	10:20	4.9	NTU	
W1240	Turbidity	51-1506	8/26	11:35	2.8	NTU	
W1240	Turbidity	51-1585	11/6	10:06	6.1	NTU	
W1241	Total Nitrogen	51-0710	4/29	9:00	2.2	mg/L	
W1241	Total Nitrogen	51-0865	5/27	8:15	8.1	mg/L	
W1241	Total Nitrogen	51-1034	6/24	8:10	1.9	mg/L	
W1241	Total Nitrogen	51-1295	8/5	8:13	3.6	mg/L	h
W1241	Total Nitrogen	51-1496	8/26	8:25	5.7	mg/L	
W1241	Nitrate/Nitrite-N	51-0710	4/29	9:00	0.42	mg/L	
W1241	Nitrate/Nitrite-N	51-0865	5/27	8:15	2.0	mg/L	
W1241	Nitrate/Nitrite-N	51-1034	6/24	8:10	0.81	mg/L	
W1241	Nitrate/Nitrite-N	51-1295	8/5	8:13	1.9	mg/L	
W1241	Nitrate/Nitrite-N	51-1496	8/26	8:25	3.3	mg/L	
W1241	Ammonia-N	51-0710	4/29	9:00	1.0	mg/L	
W1241	Ammonia-N	51-0865	5/27	8:15	5.1	mg/L	
W1241	Ammonia-N	51-1034	6/24	8:10	0.44	mg/L	
W1241	Ammonia-N	51-1295	8/5	8:13	0.93	mg/L	
W1241	Ammonia-N	51-1496	8/26	8:25	0.63	mg/L	
W1241	Total Phosphorus	51-0710	4/29	9:00	0.29	mg/L	
W1241	Total Phosphorus	51-0865	5/27	8:15	0.79	mg/L	
W1241	Total Phosphorus	51-1034	6/24	8:10	0.44	mg/L	
W1241	Total Phosphorus	51-1295	8/5	8:13	0.55	mg/L	h
W1241	Total Phosphorus	51-1496	8/26	8:25	0.94	mg/L	
W1241	Dissolved Reactive Phosphorus	51-0710	4/29	9:00	0.11	mg/L	h, m
W1241	Dissolved Reactive Phosphorus	51-0865	5/27	8:15	0.64	mg/L	b, m
W1241	Dissolved Reactive Phosphorus	51-1034	6/24	8:10	0.27	mg/L	m
W1241	Dissolved Reactive Phosphorus	51-1295	8/5	8:13	0.44	mg/L	h, m
W1241	Dissolved Reactive Phosphorus	51-1496	8/26	8:25	0.83	mg/L	h, m
W1241	Suspended Solids	51-0710	4/29	9:00	20	mg/L	
W1241	Suspended Solids	51-0865	5/27	8:15	4.8	mg/L	
W1241	Suspended Solids	51-1034	6/24	8:10	15	mg/L	
W1241	Suspended Solids	51-1295	8/5	8:13	5.5	mg/L	
W1241	Suspended Solids	51-1496	8/26	8:25	3.9	mg/L	
W1241	*E. coli*	51-0710	4/29	9:00	2100	CFU/100mL	
W1241	*E. coli*	51-0865	5/27	8:15	90	CFU/100mL	
W1241	*E. coli*	51-1034	6/24	8:10	3100	CFU/100mL	
W1241	*E. coli*	51-1138	7/8	8:35	120	CFU/100mL	
W1241	*E. coli*	51-1295	8/5	8:13	130	CFU/100mL	
W1241	*E. coli*	51-1496	8/26	8:25	87	CFU/100mL	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1241	True Color	51-0710	4/29	9:00	29	PCU	
W1241	True Color	51-0865	5/27	8:15	23	PCU	
W1241	True Color	51-1034	6/24	8:10	26	PCU	
W1241	True Color	51-1295	8/5	8:13	<15	PCU	d
W1241	True Color	51-1496	8/26	8:25	26	PCU	
W1241	Turbidity	51-0710	4/29	9:00	15.5	NTU	
W1241	Turbidity	51-0865	5/27	8:15	4.2	NTU	
W1241	Turbidity	51-1034	6/24	8:10	11.0	NTU	
W1241	Turbidity	51-1295	8/5	8:13	4.5	NTU	
W1241	Turbidity	51-1496	8/26	8:25	3.4	NTU	
W1242	Total Nitrogen	51-0733	4/29	10:50	1.9	mg/L	
W1242	Total Nitrogen	51-0883	5/27	11:03	5.5	mg/L	
W1242	Total Nitrogen	51-1052	6/24	10:15	2.0	mg/L	
W1242	Total Nitrogen	51-1313	8/5	10:52	2.5	mg/L	h
W1242	Total Nitrogen	51-1514	8/26	10:28	4.1	mg/L	
W1242	Nitrate/Nitrite-N	51-0733	4/29	10:50	0.41	mg/L	
W1242	Nitrate/Nitrite-N	51-0883	5/27	11:03	1.8	mg/L	
W1242	Nitrate/Nitrite-N	51-1052	6/24	10:15	0.73	mg/L	
W1242	Nitrate/Nitrite-N	51-1313	8/5	10:52	1.5	mg/L	
W1242	Nitrate/Nitrite-N	51-1514	8/26	10:28	2.7	mg/L	
W1242	Ammonia-N	51-0733	4/29	10:50	0.78	mg/L	
W1242	Ammonia-N	51-0883	5/27	11:03	3.0	mg/L	
W1242	Ammonia-N	51-1052	6/24	10:15	0.36	mg/L	
W1242	Ammonia-N	51-1313	8/5	10:52	0.49	mg/L	
W1242	Ammonia-N	51-1514	8/26	10:28	0.18	mg/L	
W1242	Total Phosphorus	51-0733	4/29	10:50	0.24	mg/L	
W1242	Total Phosphorus	51-0883	5/27	11:03	0.56	mg/L	
W1242	Total Phosphorus	51-1052	6/24	10:15	0.43	mg/L	
W1242	Total Phosphorus	51-1313	8/5	10:52	0.38	mg/L	h
W1242	Total Phosphorus	51-1514	8/26	10:28	0.70	mg/L	
W1242	Dissolved Reactive Phosphorus	51-0733	4/29	10:50	0.20	mg/L	h, m
W1242	Dissolved Reactive Phosphorus	51-0883	5/27	11:03	0.38	mg/L	m
W1242	Dissolved Reactive Phosphorus	51-1052	6/24	10:15	0.21	mg/L	m
W1242	Dissolved Reactive Phosphorus	51-1313	8/5	10:52	0.24	mg/L	h, m
W1242	Dissolved Reactive Phosphorus	51-1514	8/26	10:28	0.60	mg/L	d, m
W1242	Suspended Solids	51-0733	4/29	10:50	17	mg/L	
W1242	Suspended Solids	51-0883	5/27	11:03	7.5	mg/L	
W1242	Suspended Solids	51-1052	6/24	10:15	19	mg/L	
W1242	Suspended Solids	51-1313	8/5	10:52	9.3	mg/L	
W1242	Suspended Solids	51-1514	8/26	10:28	7.6	mg/L	
W1242	*E. coli*	51-0733	4/29	10:50	1000	CFU/100mL	
W1242	*E. coli*	51-0883	5/27	11:03	170	CFU/100mL	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1242	*E. coli*	51-1052	6/24	10:15	3500	CFU/100mL	
W1242	*E. coli*	51-1156	7/8	10:05	70	CFU/100mL	
W1242	*E. coli*	51-1313	8/5	10:52	210	CFU/100mL	
W1242	*E. coli*	51-1514	8/26	10:28	110	CFU/100mL	
W1242	True Color	51-0733	4/29	10:50	24	PCU	
W1242	True Color	51-0883	5/27	11:03	26	PCU	
W1242	True Color	51-1052	6/24	10:15	27	PCU	
W1242	True Color	51-1313	8/5	10:52	29	PCU	b
W1242	True Color	51-1514	8/26	10:28	<15	PCU	
W1242	Turbidity	51-0733	4/29	10:50	9.7	NTU	
W1242	Turbidity	51-0883	5/27	11:03	5.5	NTU	
W1242	Turbidity	51-1052	6/24	10:15	12.0	NTU	
W1242	Turbidity	51-1313	8/5	10:52	5.7	NTU	
W1242	Turbidity	51-1514	8/26	10:28	4.5	NTU	
W1243	Total Nitrogen	51-0731	4/29	10:25	2.1	mg/L	
W1243	Total Nitrogen	51-0882	5/27	10:40	5.5	mg/L	
W1243	Total Nitrogen	51-1051	6/24	10:00	1.9	mg/L	
W1243	Total Nitrogen	51-1312	8/5	10:28	2.6	mg/L	h
W1243	Total Nitrogen	51-1513	8/26	10:05	3.8	mg/L	
W1243	Nitrate/Nitrite-N	51-0731	4/29	10:25	0.43	mg/L	
W1243	Nitrate/Nitrite-N	51-0882	5/27	10:40	2.0	mg/L	
W1243	Nitrate/Nitrite-N	51-1051	6/24	10:00	0.76	mg/L	
W1243	Nitrate/Nitrite-N	51-1312	8/5	10:28	1.6	mg/L	
W1243	Nitrate/Nitrite-N	51-1513	8/26	10:05	2.6	mg/L	
W1243	Ammonia-N	51-0731	4/29	10:25	0.89	mg/L	
W1243	Ammonia-N	51-0882	5/27	10:40	2.6	mg/L	
W1243	Ammonia-N	51-1051	6/24	10:00	0.42	mg/L	
W1243	Ammonia-N	51-1312	8/5	10:28	0.42	mg/L	
W1243	Ammonia-N	51-1513	8/26	10:05	0.12	mg/L	
W1243	Total Phosphorus	51-0731	4/29	10:25	0.28	mg/L	
W1243	Total Phosphorus	51-0882	5/27	10:40	0.56	mg/L	
W1243	Total Phosphorus	51-1051	6/24	10:00	0.45	mg/L	
W1243	Total Phosphorus	51-1312	8/5	10:28	0.33	mg/L	h
W1243	Total Phosphorus	51-1513	8/26	10:05	0.72	mg/L	
W1243	Dissolved Reactive Phosphorus	51-0731	4/29	10:25	0.084	mg/L	h, m
W1243	Dissolved Reactive Phosphorus	51-0882	5/27	10:40	0.39	mg/L	m
W1243	Dissolved Reactive Phosphorus	51-1051	6/24	10:00	0.23	mg/L	m
W1243	Dissolved Reactive Phosphorus	51-1312	8/5	10:28	0.20	mg/L	h, m
W1243	Dissolved Reactive Phosphorus	51-1513	8/26	10:05	0.58	mg/L	d, h, m
W1243	Suspended Solids	51-0731	4/29	10:25	19	mg/L	
W1243	Suspended Solids	51-0882	5/27	10:40	9.7	mg/L	
W1243	Suspended Solids	51-1051	6/24	10:00	21	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1243	Suspended Solids	51-1312	8/5	10:28	11	mg/L	
W1243	Suspended Solids	51-1513	8/26	10:05	9.5	mg/L	
W1243	*E. coli*	51-0731	4/29	10:25	2400	CFU/100mL	
W1243	*E. coli*	51-0882	5/27	10:40	160	CFU/100mL	
W1243	*E. coli*	51-1051	6/24	10:00	4100	CFU/100mL	
W1243	*E. coli*	51-1155	7/8	9:50	110	CFU/100mL	
W1243	*E. coli*	51-1312	8/5	10:28	130	CFU/100mL	
W1243	*E. coli*	51-1513	8/26	10:05	58	CFU/100mL	
W1243	True Color	51-0731	4/29	10:25	23	PCU	
W1243	True Color	51-0882	5/27	10:40	23	PCU	
W1243	True Color	51-1051	6/24	10:00	27	PCU	
W1243	True Color	51-1312	8/5	10:28	22	PCU	b
W1243	True Color	51-1513	8/26	10:05	<15	PCU	
W1243	Turbidity	51-0731	4/29	10:25	11.0	NTU	
W1243	Turbidity	51-0882	5/27	10:40	5.4	NTU	
W1243	Turbidity	51-1051	6/24	10:00	12.5	NTU	
W1243	Turbidity	51-1312	8/5	10:28	6.7	NTU	
W1243	Turbidity	51-1513	8/26	10:05	5.1	NTU	
W1244	Total Nitrogen	51-0728	4/29	9:32	3.2	mg/L	
W1244	Total Nitrogen	51-0880	5/27	9:46	4.8	mg/L	
W1244	Total Nitrogen	51-1049	6/24	9:15	2.4	mg/L	
W1244	Total Nitrogen	51-1310	8/5	9:37	2.5	mg/L	h
W1244	Total Nitrogen	51-1511	8/26	9:25	4.1	mg/L	
W1244	Nitrate/Nitrite-N	51-0728	4/29	9:32	0.56	mg/L	
W1244	Nitrate/Nitrite-N	51-0880	5/27	9:46	2.4	mg/L	
W1244	Nitrate/Nitrite-N	51-1049	6/24	9:15	1.1	mg/L	
W1244	Nitrate/Nitrite-N	51-1310	8/5	9:37	1.6	mg/L	
W1244	Nitrate/Nitrite-N	51-1511	8/26	9:25	2.5	mg/L	
W1244	Ammonia-N	51-0728	4/29	9:32	1.4	mg/L	
W1244	Ammonia-N	51-0880	5/27	9:46	1.6	mg/L	
W1244	Ammonia-N	51-1049	6/24	9:15	0.52	mg/L	
W1244	Ammonia-N	51-1310	8/5	9:37	0.23	mg/L	
W1244	Ammonia-N	51-1511	8/26	9:25	0.36	mg/L	
W1244	Total Phosphorus	51-0728	4/29	9:32	0.75	mg/L	
W1244	Total Phosphorus	51-0880	5/27	9:46	0.46	mg/L	
W1244	Total Phosphorus	51-1049	6/24	9:15	0.50	mg/L	
W1244	Total Phosphorus	51-1310	8/5	9:37	0.27	mg/L	h
W1244	Total Phosphorus	51-1511	8/26	9:25	0.55	mg/L	
W1244	Dissolved Reactive Phosphorus	51-0728	4/29	9:32	0.12	mg/L	h, m
W1244	Dissolved Reactive Phosphorus	51-0880	5/27	9:46	0.27	mg/L	m
W1244	Dissolved Reactive Phosphorus	51-1049	6/24	9:15	0.26	mg/L	m
W1244	Dissolved Reactive Phosphorus	51-1310	8/5	9:37	0.13	mg/L	h, m

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1244	Dissolved Reactive Phosphorus	51-1511	8/26	9:25	0.40	mg/L	d, h, m
W1244	Suspended Solids	51-0728	4/29	9:32	74	mg/L	
W1244	Suspended Solids	51-0880	5/27	9:46	7.6	mg/L	
W1244	Suspended Solids	51-1049	6/24	9:15	21	mg/L	
W1244	Suspended Solids	51-1310	8/5	9:37	11	mg/L	
W1244	Suspended Solids	51-1511	8/26	9:25	8.4	mg/L	
W1244	*E. coli*	51-0728	4/29	9:32	2800	CFU/100mL	
W1244	*E. coli*	51-0880	5/27	9:46	200	CFU/100mL	
W1244	*E. coli*	51-1049	6/24	9:15	9600	CFU/100mL	
W1244	*E. coli*	51-1153	7/8	9:20	510	CFU/100mL	
W1244	*E. coli*	51-1310	8/5	9:37	4200	CFU/100mL	
W1244	*E. coli*	51-1511	8/26	9:25	2300	CFU/100mL	
W1244	True Color	51-0728	4/29	9:32	26	PCU	
W1244	True Color	51-0880	5/27	9:46	27	PCU	
W1244	True Color	51-1049	6/24	9:15	26	PCU	
W1244	True Color	51-1310	8/5	9:37	34	PCU	b
W1244	True Color	51-1511	8/26	9:25	<15	PCU	
W1244	Turbidity	51-0728	4/29	9:32	28.0	NTU	
W1244	Turbidity	51-0880	5/27	9:46	4.5	NTU	
W1244	Turbidity	51-1049	6/24	9:15	17.5	NTU	
W1244	Turbidity	51-1310	8/5	9:37	7.1	NTU	
W1244	Turbidity	51-1511	8/26	9:25	5.8	NTU	
W1246	Total Nitrogen	51-0726	4/29	8:40	3.7	mg/L	
W1246	Total Nitrogen	51-0878	5/27	9:04	4.1	mg/L	
W1246	Total Nitrogen	51-1047	6/24	8:35	2.8	mg/L	
W1246	Total Nitrogen	51-1308	8/5	8:30	2.3	mg/L	h
W1246	Total Nitrogen	51-1509	8/26	8:45	3.2	mg/L	
W1246	Nitrate/Nitrite-N	51-0726	4/29	8:40	0.86	mg/L	
W1246	Nitrate/Nitrite-N	51-0878	5/27	9:04	2.6	mg/L	
W1246	Nitrate/Nitrite-N	51-1047	6/24	8:35	1.3	mg/L	
W1246	Nitrate/Nitrite-N	51-1308	8/5	8:30	1.6	mg/L	
W1246	Nitrate/Nitrite-N	51-1509	8/26	8:45	2.2	mg/L	
W1246	Ammonia-N	51-0726	4/29	8:40	1.9	mg/L	
W1246	Ammonia-N	51-0878	5/27	9:04	0.58	mg/L	
W1246	Ammonia-N	51-1047	6/24	8:35	0.49	mg/L	
W1246	Ammonia-N	51-1308	8/5	8:30	0.14	mg/L	
W1246	Ammonia-N	51-1509	8/26	8:45	0.04	mg/L	
W1246	Total Phosphorus	51-0726	4/29	8:40	0.47	mg/L	
W1246	Total Phosphorus	51-0878	5/27	9:04	0.33	mg/L	
W1246	Total Phosphorus	51-1047	6/24	8:35	0.56	mg/L	
W1246	Total Phosphorus	51-1308	8/5	8:30	0.31	mg/L	h
W1246	Total Phosphorus	51-1509	8/26	8:45	0.41	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1246	Dissolved Reactive Phosphorus	51-0726	4/29	8:40	0.14	mg/L	h, m
W1246	Dissolved Reactive Phosphorus	51-0878	5/27	9:04	0.19	mg/L	m
W1246	Dissolved Reactive Phosphorus	51-1047	6/24	8:35	0.25	mg/L	m
W1246	Dissolved Reactive Phosphorus	51-1308	8/5	8:30	0.12	mg/L	h, m
W1246	Dissolved Reactive Phosphorus	51-1509	8/26	8:45	0.27	mg/L	d, h, m
W1246	Suspended Solids	51-0726	4/29	8:40	35	mg/L	
W1246	Suspended Solids	51-0878	5/27	9:04	7.1	mg/L	
W1246	Suspended Solids	51-1047	6/24	8:35	25	mg/L	
W1246	Suspended Solids	51-1308	8/5	8:30	16	mg/L	
W1246	Suspended Solids	51-1509	8/26	8:45	9.0	mg/L	
W1246	*E. coli*	51-0726	4/29	8:40	1200	CFU/100mL	
W1246	*E. coli*	51-0878	5/27	9:04	55	CFU/100mL	
W1246	*E. coli*	51-1047	6/24	8:35	12000	CFU/100mL	
W1246	*E. coli*	51-1151	7/8	8:50	160	CFU/100mL	
W1246	*E. coli*	51-1308	8/5	8:30	2400	CFU/100mL	
W1246	*E. coli*	51-1509	8/26	8:45	180	CFU/100mL	
W1246	True Color	51-0726	4/29	8:40	28	PCU	
W1246	True Color	51-0878	5/27	9:04	22	PCU	
W1246	True Color	51-1047	6/24	8:35	25	PCU	
W1246	True Color	51-1308	8/5	8:30	59	PCU	b
W1246	True Color	51-1509	8/26	8:45	27	PCU	
W1246	Turbidity	51-0726	4/29	8:40	23.0	NTU	
W1246	Turbidity	51-0878	5/27	9:04	4.6	NTU	
W1246	Turbidity	51-1047	6/24	8:35	16.0	NTU	
W1246	Turbidity	51-1308	8/5	8:30	7.7	NTU	
W1246	Turbidity	51-1509	8/26	8:45	4.6	NTU	
W1255	Total Nitrogen	51-0722	4/29	11:18	8.0	mg/L	
W1255	Total Nitrogen	51-0874	5/27	10:48	9.2	mg/L	
W1255	Total Nitrogen	51-1043	6/24	11:00	3.9	mg/L	
W1255	Total Nitrogen	51-1304	8/5	10:05	3.6	mg/L	
W1255	Total Nitrogen	51-1505	8/26	11:15	4.7	mg/L	
W1255	Nitrate/Nitrite-N	51-0722	4/29	11:18	0.45	mg/L	
W1255	Nitrate/Nitrite-N	51-0874	5/27	10:48	1.3	mg/L	
W1255	Nitrate/Nitrite-N	51-1043	6/24	11:00	2.2	mg/L	
W1255	Nitrate/Nitrite-N	51-1304	8/5	10:05	1.7	mg/L	
W1255	Nitrate/Nitrite-N	51-1505	8/26	11:15	2.2	mg/L	
W1255	Ammonia-N	51-0722	4/29	11:18	4.8	mg/L	
W1255	Ammonia-N	51-0874	5/27	10:48	7.1	mg/L	
W1255	Ammonia-N	51-1043	6/24	11:00	0.52	mg/L	
W1255	Ammonia-N	51-1304	8/5	10:05	1.2	mg/L	
W1255	Ammonia-N	51-1505	8/26	11:15	0.94	mg/L	
W1255	Total Phosphorus	51-0722	4/29	11:18	0.88	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1255	Total Phosphorus	51-0874	5/27	10:48	1.2	mg/L	
W1255	Total Phosphorus	51-1043	6/24	11:00	0.90	mg/L	
W1255	Total Phosphorus	51-1304	8/5	10:05	0.57	mg/L	
W1255	Total Phosphorus	51-1505	8/26	11:15	1.4	mg/L	
W1255	Dissolved Reactive Phosphorus	51-0722	4/29	11:18	0.58	mg/L	h, m
W1255	Dissolved Reactive Phosphorus	51-0874	5/27	10:48	1.0	mg/L	b, m
W1255	Dissolved Reactive Phosphorus	51-1043	6/24	11:00	0.66	mg/L	m
W1255	Dissolved Reactive Phosphorus	51-1304	8/5	10:05	0.45	mg/L	h, m
W1255	Dissolved Reactive Phosphorus	51-1505	8/26	11:15	1.3	mg/L	m
W1255	Suspended Solids	51-0722	4/29	11:18	18	mg/L	
W1255	Suspended Solids	51-0874	5/27	10:48	2.8	mg/L	
W1255	Suspended Solids	51-1043	6/24	11:00	13	mg/L	
W1255	Suspended Solids	51-1304	8/5	10:05	4.9	mg/L	
W1255	Suspended Solids	51-1505	8/26	11:15	4.0	mg/L	
W1255	*E. coli*	51-0722	4/29	11:18	400	CFU/100mL	
W1255	*E. coli*	51-0874	5/27	10:48	55	CFU/100mL	
W1255	*E. coli*	51-1043	6/24	11:00	1900	CFU/100mL	
W1255	*E. coli*	51-1147	7/8	9:50	440	CFU/100mL	
W1255	*E. coli*	51-1304	8/5	10:05	200	CFU/100mL	
W1255	*E. coli*	51-1505	8/26	11:15	160	CFU/100mL	
W1255	*E. coli*	51-1586	11/6	10:22	>2419.6	MPN/100mL	
W1255	True Color	51-0722	4/29	11:18	25	PCU	
W1255	True Color	51-0874	5/27	10:48	21	PCU	
W1255	True Color	51-1043	6/24	11:00	22	PCU	
W1255	True Color	51-1304	8/5	10:05	39	PCU	d
W1255	True Color	51-1505	8/26	11:15	26	PCU	
W1255	Turbidity	51-0722	4/29	11:18	15.5	NTU	
W1255	Turbidity	51-0874	5/27	10:48	2.0	NTU	
W1255	Turbidity	51-1043	6/24	11:00	10.0	NTU	
W1255	Turbidity	51-1304	8/5	10:05	3.4	NTU	
W1255	Turbidity	51-1505	8/26	11:15	3.6	NTU	
W1255	Turbidity	51-1586	11/6	10:22	4.6	NTU	
W1256	Total Nitrogen	51-0721	4/29	11:00	2.2	mg/L	r
W1256	Nitrate/Nitrite-N	51-0721	4/29	11:00	0.40	mg/L	r
W1256	Ammonia-N	51-0721	4/29	11:00	0.94	mg/L	r
W1256	Total Phosphorus	51-0721	4/29	11:00	0.20	mg/L	r
W1256	Dissolved Reactive Phosphorus	51-0721	4/29	11:00	0.12	mg/L	h, m, r
W1256	Suspended Solids	51-0721	4/29	11:00	9.9	mg/L	r
W1256	*E. coli*	51-0721	4/29	11:00	4400	CFU/100mL	r
W1256	True Color	51-0721	4/29	11:00	32	PCU	r
W1256	Turbidity	51-0721	4/29	11:00	6.9	NTU	r
W1282	Total Nitrogen	51-0766	5/1	9:50	0.78	mg/L	

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W1282	Total Nitrogen	51-0911	5/29	9:35	0.89	mg/L	
W1282	Total Nitrogen	51-1080	6/26	9:33	0.88	mg/L	
W1282	Total Nitrogen	51-1341	8/7	9:59	0.92	mg/L	h
W1282	Total Nitrogen	51-1542	8/28	9:15	0.92	mg/L	
W1282	Ammonia-N	51-0766	5/1	9:50	<0.02	mg/L	
W1282	Ammonia-N	51-0911	5/29	9:35	<0.02	mg/L	
W1282	Ammonia-N	51-1080	6/26	9:33	<0.02	mg/L	
W1282	Ammonia-N	51-1341	8/7	9:59	0.02	mg/L	
W1282	Ammonia-N	51-1542	8/28	9:15	<0.02	mg/L	
W1282	Total Phosphorus	51-0766	5/1	9:50	0.015	mg/L	
W1282	Total Phosphorus	51-0911	5/29	9:35	0.023	mg/L	
W1282	Total Phosphorus	51-1080	6/26	9:33	0.035	mg/L	
W1282	Total Phosphorus	51-1341	8/7	9:59	0.045	mg/L	b, h
W1282	Total Phosphorus	51-1542	8/28	9:15	0.034	mg/L	
W1282	Suspended Solids	51-0766	5/1	9:50	1.3	mg/L	
W1282	Suspended Solids	51-0911	5/29	9:35	<1.0	mg/L	
W1282	Suspended Solids	51-1080	6/26	9:33	1.5	mg/L	
W1282	Suspended Solids	51-1341	8/7	9:59	3.8	mg/L	
W1282	Suspended Solids	51-1542	8/28	9:15	1.4	mg/L	
W1282	*E. coli*	51-0766	5/1	9:50	100	CFU/100mL	
W1282	*E. coli*	51-0911	5/29	9:35	280	CFU/100mL	
W1282	*E. coli*	51-1080	6/26	9:33	320	CFU/100mL	
W1282	*E. coli*	51-1184	7/10	9:11	2000	CFU/100mL	
W1282	*E. coli*	51-1341	8/7	9:59	570	CFU/100mL	
W1282	*E. coli*	51-1542	8/28	9:15	160	CFU/100mL	
W1282	True Color	51-0766	5/1	9:50	<15	PCU	
W1282	True Color	51-0911	5/29	9:35	<15	PCU	
W1282	True Color	51-1080	6/26	9:33	<15	PCU	
W1282	True Color	51-1341	8/7	9:59	20	PCU	
W1282	True Color	51-1542	8/28	9:15	<15	PCU	
W1282	Turbidity	51-0766	5/1	9:50	1.6	NTU	
W1282	Turbidity	51-0911	5/29	9:35	0.7	NTU	
W1282	Turbidity	51-1080	6/26	9:33	4.0	NTU	
W1282	Turbidity	51-1341	8/7	9:59	3.8	NTU	
W1282	Turbidity	51-1542	8/28	9:15	1.1	NTU	
W1426	Total Nitrogen	51-0763	5/1	8:35	0.38	mg/L	
W1426	Total Nitrogen	51-0908	5/29	8:30	0.49	mg/L	
W1426	Total Nitrogen	51-1077	6/26	8:25	0.54	mg/L	
W1426	Total Nitrogen	51-1338	8/7	8:56	0.55	mg/L	h
W1426	Total Nitrogen	51-1539	8/28	8:25	0.47	mg/L	
W1426	Ammonia-N	51-0763	5/1	8:35	<0.02	mg/L	
W1426	Ammonia-N	51-0908	5/29	8:30	0.07	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1426	Ammonia-N	51-1077	6/26	8:25	0.04	mg/L	
W1426	Ammonia-N	51-1338	8/7	8:56	0.05	mg/L	
W1426	Ammonia-N	51-1539	8/28	8:25	0.02	mg/L	
W1426	Total Phosphorus	51-0763	5/1	8:35	0.019	mg/L	
W1426	Total Phosphorus	51-0908	5/29	8:30	0.032	mg/L	
W1426	Total Phosphorus	51-1077	6/26	8:25	0.031	mg/L	
W1426	Total Phosphorus	51-1338	8/7	8:56	0.036	mg/L	b, h
W1426	Total Phosphorus	51-1539	8/28	8:25	0.024	mg/L	
W1426	Suspended Solids	51-0763	5/1	8:35	2.3	mg/L	
W1426	Suspended Solids	51-0908	5/29	8:30	1.6	mg/L	
W1426	Suspended Solids	51-1077	6/26	8:25	2.4	mg/L	
W1426	Suspended Solids	51-1338	8/7	8:56	1.9	mg/L	
W1426	Suspended Solids	51-1539	8/28	8:25	1.0	mg/L	
W1426	*E. coli*	51-0763	5/1	8:35	76	CFU/100mL	
W1426	*E. coli*	51-0908	5/29	8:30	110	CFU/100mL	
W1426	*E. coli*	51-1077	6/26	8:25	130	CFU/100mL	
W1426	*E. coli*	51-1181	7/10	8:24	2300	CFU/100mL	
W1426	*E. coli*	51-1338	8/7	8:56	110	CFU/100mL	
W1426	*E. coli*	51-1539	8/28	8:25	16	CFU/100mL	
W1426	True Color	51-0763	5/1	8:35	<15	PCU	
W1426	True Color	51-0908	5/29	8:30	<15	PCU	
W1426	True Color	51-1077	6/26	8:25	17	PCU	
W1426	True Color	51-1338	8/7	8:56	55	PCU	
W1426	True Color	51-1539	8/28	8:25	16	PCU	
W1426	Turbidity	51-0763	5/1	8:35	2.1	NTU	
W1426	Turbidity	51-0908	5/29	8:30	2.2	NTU	
W1426	Turbidity	51-1077	6/26	8:25	2.9	NTU	
W1426	Turbidity	51-1338	8/7	8:56	1.9	NTU	
W1426	Turbidity	51-1539	8/28	8:25	1.3	NTU	
W1428	Total Nitrogen	51-0758	5/1	10:27	0.33	mg/L	
W1428	Total Nitrogen	51-0904	5/29	10:37	0.83	mg/L	
W1428	Total Nitrogen	51-1073	6/26	10:20	0.85	mg/L	
W1428	Total Nitrogen	51-1334	8/7	10:29	0.61	mg/L	h
W1428	Total Nitrogen	51-1535	8/28	11:00	0.66	mg/L	
W1428	Ammonia-N	51-0758	5/1	10:27	<0.02	mg/L	
W1428	Ammonia-N	51-0904	5/29	10:37	0.06	mg/L	
W1428	Ammonia-N	51-1073	6/26	10:20	0.10	mg/L	
W1428	Ammonia-N	51-1334	8/7	10:29	0.06	mg/L	
W1428	Ammonia-N	51-1535	8/28	11:00	0.05	mg/L	
W1428	Total Phosphorus	51-0758	5/1	10:27	0.011	mg/L	
W1428	Total Phosphorus	51-0904	5/29	10:37	0.021	mg/L	
W1428	Total Phosphorus	51-1073	6/26	10:20	0.014	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1428	Total Phosphorus	51-1334	8/7	10:29	0.014	mg/L	h
W1428	Total Phosphorus	51-1535	8/28	11:00	0.009	mg/L	
W1428	Suspended Solids	51-0758	5/1	10:27	3.7	mg/L	
W1428	Suspended Solids	51-0904	5/29	10:37	6.1	mg/L	d
W1428	Suspended Solids	51-1073	6/26	10:20	1.8	mg/L	
W1428	Suspended Solids	51-1334	8/7	10:29	1.7	mg/L	a
W1428	Suspended Solids	51-1535	8/28	11:00	1.3	mg/L	
W1428	*E. coli*	51-0758	5/1	10:27	19	CFU/100mL	
W1428	*E. coli*	51-0904	5/29	10:37	23	CFU/100mL	
W1428	*E. coli*	51-1073	6/26	10:20	48	CFU/100mL	
W1428	*E. coli*	51-1177	7/10	10:00	260	CFU/100mL	
W1428	*E. coli*	51-1334	8/7	10:29	170	CFU/100mL	
W1428	*E. coli*	51-1535	8/28	11:00	45	CFU/100mL	p
W1428	True Color	51-0758	5/1	10:27	41	PCU	
W1428	True Color	51-0904	5/29	10:37	20	PCU	
W1428	True Color	51-1073	6/26	10:20	24	PCU	
W1428	True Color	51-1334	8/7	10:29	43	PCU	
W1428	True Color	51-1535	8/28	11:00	24	PCU	
W1428	Turbidity	51-0758	5/1	10:27	2.0	NTU	
W1428	Turbidity	51-0904	5/29	10:37	3.3	NTU	b
W1428	Turbidity	51-1073	6/26	10:20	2.0	NTU	
W1428	Turbidity	51-1334	8/7	10:29	1.5	NTU	b
W1428	Turbidity	51-1535	8/28	11:00	2.3	NTU	
W1432	Total Nitrogen	51-0771	5/1	11:22	0.47	mg/L	
W1432	Total Nitrogen	51-0915	5/29	11:10	0.56	mg/L	
W1432	Total Nitrogen	51-1084	6/26	10:55	0.46	mg/L	
W1432	Total Nitrogen	51-1345	8/7	11:25	0.62	mg/L	h
W1432	Total Nitrogen	51-1546	8/28	10:20	0.51	mg/L	
W1432	Ammonia-N	51-0771	5/1	11:22	<0.02	mg/L	
W1432	Ammonia-N	51-0915	5/29	11:10	0.07	mg/L	
W1432	Ammonia-N	51-1084	6/26	10:55	<0.02	mg/L	
W1432	Ammonia-N	51-1345	8/7	11:25	<0.02	mg/L	
W1432	Ammonia-N	51-1546	8/28	10:20	0.03	mg/L	d
W1432	Total Phosphorus	51-0771	5/1	11:22	0.026	mg/L	
W1432	Total Phosphorus	51-0915	5/29	11:10	0.032	mg/L	
W1432	Total Phosphorus	51-1084	6/26	10:55	0.024	mg/L	
W1432	Total Phosphorus	51-1345	8/7	11:25	0.043	mg/L	b, h
W1432	Total Phosphorus	51-1546	8/28	10:20	0.026	mg/L	
W1432	Suspended Solids	51-0771	5/1	11:22	2.4	mg/L	
W1432	Suspended Solids	51-0915	5/29	11:10	4.7	mg/L	
W1432	Suspended Solids	51-1084	6/26	10:55	2.4	mg/L	
W1432	Suspended Solids	51-1345	8/7	11:25	2.5	mg/L	d

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1432	Suspended Solids	51-1546	8/28	10:20	1.0	mg/L	
W1432	*E. coli*	51-0771	5/1	11:22	140	CFU/100mL	
W1432	*E. coli*	51-0915	5/29	11:10	110	CFU/100mL	
W1432	*E. coli*	51-1084	6/26	10:55	100	CFU/100mL	
W1432	*E. coli*	51-1188	7/10	10:12	470	CFU/100mL	
W1432	*E. coli*	51-1345	8/7	11:25	16	CFU/100mL	
W1432	*E. coli*	51-1546	8/28	10:20	52	CFU/100mL	
W1432	True Color	51-0771	5/1	11:22	39	PCU	
W1432	True Color	51-0915	5/29	11:10	49	PCU	
W1432	True Color	51-1084	6/26	10:55	38	PCU	
W1432	True Color	51-1345	8/7	11:25	63	PCU	
W1432	True Color	51-1546	8/28	10:20	74	PCU	
W1432	Turbidity	51-0771	5/1	11:22	1.9	NTU	
W1432	Turbidity	51-0915	5/29	11:10	3.5	NTU	
W1432	Turbidity	51-1084	6/26	10:55	2.0	NTU	
W1432	Turbidity	51-1345	8/7	11:25	1.7	NTU	
W1432	Turbidity	51-1546	8/28	10:20	2.0	NTU	d
W1439	Total Nitrogen	51-0774	5/1	11:34	0.29	mg/L	
W1439	Total Nitrogen	51-0918	5/29	11:32	0.53	mg/L	
W1439	Total Nitrogen	51-1087	6/26	11:20	0.59	mg/L	
W1439	Total Nitrogen	51-1348	8/7	11:36	0.48	mg/L	h
W1439	Total Nitrogen	51-1549	8/28	10:30	0.45	mg/L	
W1439	Ammonia-N	51-0774	5/1	11:34	<0.02	mg/L	
W1439	Ammonia-N	51-0918	5/29	11:32	<0.02	mg/L	
W1439	Ammonia-N	51-1087	6/26	11:20	0.04	mg/L	
W1439	Ammonia-N	51-1348	8/7	11:36	0.02	mg/L	
W1439	Ammonia-N	51-1549	8/28	10:30	0.02	mg/L	
W1439	Total Phosphorus	51-0774	5/1	11:34	0.007	mg/L	
W1439	Total Phosphorus	51-0918	5/29	11:32	0.012	mg/L	
W1439	Total Phosphorus	51-1087	6/26	11:20	0.016	mg/L	
W1439	Total Phosphorus	51-1348	8/7	11:36	0.022	mg/L	b, h
W1439	Total Phosphorus	51-1549	8/28	10:30	0.016	mg/L	
W1439	Suspended Solids	51-0774	5/1	11:34	<1.0	mg/L	
W1439	Suspended Solids	51-0918	5/29	11:32	<1.0	mg/L	
W1439	Suspended Solids	51-1087	6/26	11:20	<1.0	mg/L	
W1439	Suspended Solids	51-1348	8/7	11:36	<1.0	mg/L	
W1439	Suspended Solids	51-1549	8/28	10:30	<1.0	mg/L	
W1439	*E. coli*	51-0774	5/1	11:34	5	CFU/100mL	
W1439	*E. coli*	51-0918	5/29	11:32	70	CFU/100mL	
W1439	*E. coli*	51-1087	6/26	11:20	110	CFU/100mL	
W1439	*E. coli*	51-1191	7/10	10:18	120	CFU/100mL	
W1439	*E. coli*	51-1348	8/7	11:36	140	CFU/100mL	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1439	*E. coli*	51-1549	8/28	10:30	3	CFU/100mL	
W1439	True Color	51-0774	5/1	11:34	26	PCU	
W1439	True Color	51-0918	5/29	11:32	24	PCU	
W1439	True Color	51-1087	6/26	11:20	40	PCU	
W1439	True Color	51-1348	8/7	11:36	41	PCU	
W1439	True Color	51-1549	8/28	10:30	41	PCU	
W1439	Turbidity	51-0774	5/1	11:34	1.0	NTU	
W1439	Turbidity	51-0918	5/29	11:32	0.9	NTU	
W1439	Turbidity	51-1087	6/26	11:20	1.3	NTU	
W1439	Turbidity	51-1348	8/7	11:36	1.5	NTU	
W1439	Turbidity	51-1549	8/28	10:30	1.4	NTU	
W1753	Total Nitrogen	51-0767	5/1	10:02	0.92	mg/L	
W1753	Total Nitrogen	51-0912	5/29	9:50	0.91	mg/L	
W1753	Total Nitrogen	51-1081	6/26	9:47	1.1	mg/L	
W1753	Total Nitrogen	51-1342	8/7	10:08	1.0	mg/L	h
W1753	Total Nitrogen	51-1543	8/28	9:25	0.90	mg/L	
W1753	Ammonia-N	51-0767	5/1	10:02	<0.02	mg/L	
W1753	Ammonia-N	51-0912	5/29	9:50	<0.02	mg/L	
W1753	Ammonia-N	51-1081	6/26	9:47	0.03	mg/L	
W1753	Ammonia-N	51-1342	8/7	10:08	<0.02	mg/L	
W1753	Ammonia-N	51-1543	8/28	9:25	<0.02	mg/L	
W1753	Total Phosphorus	51-0767	5/1	10:02	0.008	mg/L	
W1753	Total Phosphorus	51-0912	5/29	9:50	0.015	mg/L	
W1753	Total Phosphorus	51-1081	6/26	9:47	0.021	mg/L	
W1753	Total Phosphorus	51-1342	8/7	10:08	0.021	mg/L	b, h
W1753	Total Phosphorus	51-1543	8/28	9:25	0.006	mg/L	
W1753	Suspended Solids	51-0767	5/1	10:02	1.9	mg/L	
W1753	Suspended Solids	51-0912	5/29	9:50	1.3	mg/L	
W1753	Suspended Solids	51-1081	6/26	9:47	1.3	mg/L	
W1753	Suspended Solids	51-1342	8/7	10:08	2.0	mg/L	
W1753	Suspended Solids	51-1543	8/28	9:25	1.7	mg/L	
W1753	*E. coli*	51-0767	5/1	10:02	10	CFU/100mL	
W1753	*E. coli*	51-0912	5/29	9:50	200	CFU/100mL	
W1753	*E. coli*	51-1081	6/26	9:47	300	CFU/100mL	
W1753	*E. coli*	51-1185	7/10	9:20	2100	CFU/100mL	
W1753	*E. coli*	51-1342	8/7	10:08	270	CFU/100mL	
W1753	*E. coli*	51-1543	8/28	9:25	140	CFU/100mL	
W1753	True Color	51-0767	5/1	10:02	<15	PCU	
W1753	True Color	51-0912	5/29	9:50	<15	PCU	
W1753	True Color	51-1081	6/26	9:47	<15	PCU	
W1753	True Color	51-1342	8/7	10:08	36	PCU	
W1753	True Color	51-1543	8/28	9:25	<15	PCU	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1753	Turbidity	51-0767	5/1	10:02	1.6	NTU	
W1753	Turbidity	51-0912	5/29	9:50	1.7	NTU	
W1753	Turbidity	51-1081	6/26	9:47	1.2	NTU	
W1753	Turbidity	51-1342	8/7	10:08	1.8	NTU	
W1753	Turbidity	51-1543	8/28	9:25	1.0	NTU	
W1755	Total Nitrogen	51-0748	5/1	8:10	0.27	mg/L	
W1755	Total Nitrogen	51-0896	5/29	8:08	0.31	mg/L	
W1755	Total Nitrogen	51-1065	6/26	8:00	0.40	mg/L	
W1755	Total Nitrogen	51-1326	8/7	8:21	0.34	mg/L	h
W1755	Total Nitrogen	51-1527	8/28	8:25	0.38	mg/L	
W1755	Ammonia-N	51-0748	5/1	8:10	<0.02	mg/L	
W1755	Ammonia-N	51-0896	5/29	8:08	<0.02	mg/L	
W1755	Ammonia-N	51-1065	6/26	8:00	0.02	mg/L	
W1755	Ammonia-N	51-1326	8/7	8:21	<0.02	mg/L	
W1755	Ammonia-N	51-1527	8/28	8:25	<0.02	mg/L	
W1755	Total Phosphorus	51-0748	5/1	8:10	0.008	mg/L	
W1755	Total Phosphorus	51-0896	5/29	8:08	0.005	mg/L	
W1755	Total Phosphorus	51-1065	6/26	8:00	0.007	mg/L	
W1755	Total Phosphorus	51-1326	8/7	8:21	0.006	mg/L	h
W1755	Total Phosphorus	51-1527	8/28	8:25	0.006	mg/L	
W1755	Suspended Solids	51-0748	5/1	8:10	1.2	mg/L	
W1755	Suspended Solids	51-0896	5/29	8:08	<1.0	mg/L	d
W1755	Suspended Solids	51-1065	6/26	8:00	<1.0	mg/L	
W1755	Suspended Solids	51-1326	8/7	8:21	<1.0	mg/L	a
W1755	Suspended Solids	51-1527	8/28	8:25	<1.0	mg/L	
W1755	*E. coli*	51-0748	5/1	8:10	29	CFU/100mL	
W1755	*E. coli*	51-0896	5/29	8:08	3	CFU/100mL	
W1755	*E. coli*	51-1065	6/26	8:00	83	CFU/100mL	
W1755	*E. coli*	51-1169	7/10	8:11	110	CFU/100mL	
W1755	*E. coli*	51-1326	8/7	8:21	310	CFU/100mL	
W1755	*E. coli*	51-1527	8/28	8:25	190	CFU/100mL	
W1755	True Color	51-0748	5/1	8:10	39	PCU	
W1755	True Color	51-0896	5/29	8:08	23	PCU	
W1755	True Color	51-1065	6/26	8:00	23	PCU	
W1755	True Color	51-1326	8/7	8:21	23	PCU	
W1755	True Color	51-1527	8/28	8:25	44	PCU	
W1755	Turbidity	51-0748	5/1	8:10	1.1	NTU	
W1755	Turbidity	51-0896	5/29	8:08	0.7	NTU	b
W1755	Turbidity	51-1065	6/26	8:00	1.2	NTU	
W1755	Turbidity	51-1326	8/7	8:21	1.1	NTU	b
W1755	Turbidity	51-1527	8/28	8:25	1.0	NTU	
W1756	Total Nitrogen	51-0754	5/1	9:11	1.5	mg/L	

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W1756	Total Nitrogen	51-0901	5/29	9:13	1.8	mg/L	
W1756	Total Nitrogen	51-1070	6/26	9:08	2.5	mg/L	
W1756	Total Nitrogen	51-1331	8/7	9:24	1.7	mg/L	h
W1756	Total Nitrogen	51-1532	8/28	9:38	2.3	mg/L	
W1756	Ammonia-N	51-0754	5/1	9:11	0.02	mg/L	
W1756	Ammonia-N	51-0901	5/29	9:13	0.04	mg/L	
W1756	Ammonia-N	51-1070	6/26	9:08	0.13	mg/L	
W1756	Ammonia-N	51-1331	8/7	9:24	0.06	mg/L	
W1756	Ammonia-N	51-1532	8/28	9:38	0.05	mg/L	
W1756	Total Phosphorus	51-0754	5/1	9:11	0.012	mg/L	
W1756	Total Phosphorus	51-0901	5/29	9:13	0.010	mg/L	
W1756	Total Phosphorus	51-1070	6/26	9:08	0.016	mg/L	
W1756	Total Phosphorus	51-1331	8/7	9:24	0.018	mg/L	h
W1756	Total Phosphorus	51-1532	8/28	9:38	0.008	mg/L	
W1756	Suspended Solids	51-0754	5/1	9:11	<1.0	mg/L	
W1756	Suspended Solids	51-0901	5/29	9:13	<1.0	mg/L	d
W1756	Suspended Solids	51-1070	6/26	9:08	<1.0	mg/L	
W1756	Suspended Solids	51-1331	8/7	9:24	<1.0	mg/L	a
W1756	Suspended Solids	51-1532	8/28	9:38	<1.0	mg/L	
W1756	*E. coli*	51-0754	5/1	9:11	19	CFU/100mL	
W1756	*E. coli*	51-0901	5/29	9:13	45	CFU/100mL	
W1756	*E. coli*	51-1070	6/26	9:08	350	CFU/100mL	
W1756	*E. coli*	51-1174	7/10	9:05	370	CFU/100mL	
W1756	*E. coli*	51-1331	8/7	9:24	490	CFU/100mL	
W1756	*E. coli*	51-1532	8/28	9:38	220	CFU/100mL	
W1756	True Color	51-0754	5/1	9:11	36	PCU	
W1756	True Color	51-0901	5/29	9:13	<15	PCU	
W1756	True Color	51-1070	6/26	9:08	<15	PCU	
W1756	True Color	51-1331	8/7	9:24	28	PCU	
W1756	True Color	51-1532	8/28	9:38	<15	PCU	
W1756	Turbidity	51-0754	5/1	9:11	2.0	NTU	
W1756	Turbidity	51-0901	5/29	9:13	1.0	NTU	b
W1756	Turbidity	51-1070	6/26	9:08	1.4	NTU	
W1756	Turbidity	51-1331	8/7	9:24	1.3	NTU	b
W1756	Turbidity	51-1532	8/28	9:38	1.2	NTU	
W1758	Total Nitrogen	51-0765	5/1	9:20	0.48	mg/L	
W1758	Total Nitrogen	51-0910	5/29	9:20	0.40	mg/L	
W1758	Total Nitrogen	51-1079	6/26	9:17	0.49	mg/L	
W1758	Total Nitrogen	51-1340	8/7	9:40	0.59	mg/L	h
W1758	Total Nitrogen	51-1541	8/28	9:00	0.51	mg/L	
W1758	Ammonia-N	51-0765	5/1	9:20	<0.02	mg/L	
W1758	Ammonia-N	51-0910	5/29	9:20	<0.02	mg/L	

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W1758	Ammonia-N	51-1079	6/26	9:17	<0.02	mg/L	
W1758	Ammonia-N	51-1340	8/7	9:40	0.02	mg/L	
W1758	Ammonia-N	51-1541	8/28	9:00	0.03	mg/L	
W1758	Total Phosphorus	51-0765	5/1	9:20	0.016	mg/L	
W1758	Total Phosphorus	51-0910	5/29	9:20	0.015	mg/L	
W1758	Total Phosphorus	51-1079	6/26	9:17	0.020	mg/L	
W1758	Total Phosphorus	51-1340	8/7	9:40	0.034	mg/L	b, h
W1758	Total Phosphorus	51-1541	8/28	9:00	0.021	mg/L	
W1758	Suspended Solids	51-0765	5/1	9:20	<1.0	mg/L	
W1758	Suspended Solids	51-0910	5/29	9:20	1.6	mg/L	
W1758	Suspended Solids	51-1079	6/26	9:17	1.1	mg/L	
W1758	Suspended Solids	51-1340	8/7	9:40	2.8	mg/L	
W1758	Suspended Solids	51-1541	8/28	9:00	<1.0	mg/L	
W1758	*E. coli*	51-0765	5/1	9:20	160	CFU/100mL	
W1758	*E. coli*	51-0910	5/29	9:20	26	CFU/100mL	
W1758	*E. coli*	51-1079	6/26	9:17	150	CFU/100mL	
W1758	*E. coli*	51-1183	7/10	9:00	410	CFU/100mL	
W1758	*E. coli*	51-1340	8/7	9:40	39	CFU/100mL	
W1758	*E. coli*	51-1541	8/28	9:00	110	CFU/100mL	
W1758	True Color	51-0765	5/1	9:20	67	PCU	
W1758	True Color	51-0910	5/29	9:20	37	PCU	
W1758	True Color	51-1079	6/26	9:17	51	PCU	
W1758	True Color	51-1340	8/7	9:40	105	PCU	
W1758	True Color	51-1541	8/28	9:00	60	PCU	
W1758	Turbidity	51-0765	5/1	9:20	1.5	NTU	
W1758	Turbidity	51-0910	5/29	9:20	0.9	NTU	
W1758	Turbidity	51-1079	6/26	9:17	1.6	NTU	
W1758	Turbidity	51-1340	8/7	9:40	1.4	NTU	
W1758	Turbidity	51-1541	8/28	9:00	0.8	NTU	
W1759	Total Nitrogen	51-0769	5/1	10:55	0.45	mg/L	
W1759	Total Nitrogen	51-0914	5/29	10:45	0.84	mg/L	
W1759	Total Nitrogen	51-1083	6/26	10:40	0.60	mg/L	
W1759	Total Nitrogen	51-1344	8/7	11:00	0.94	mg/L	h
W1759	Total Nitrogen	51-1545	8/28	10:10	0.93	mg/L	
W1759	Ammonia-N	51-0769	5/1	10:55	0.03	mg/L	
W1759	Ammonia-N	51-0914	5/29	10:45	0.03	mg/L	
W1759	Ammonia-N	51-1083	6/26	10:40	<0.02	mg/L	
W1759	Ammonia-N	51-1344	8/7	11:00	0.19	mg/L	
W1759	Ammonia-N	51-1545	8/28	10:10	0.06	mg/L	
W1759	Total Phosphorus	51-0769	5/1	10:55	0.022	mg/L	
W1759	Total Phosphorus	51-0914	5/29	10:45	0.030	mg/L	
W1759	Total Phosphorus	51-1083	6/26	10:40	0.044	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1759	Total Phosphorus	51-1344	8/7	11:00	0.047	mg/L	b, h
W1759	Total Phosphorus	51-1545	8/28	10:10	0.028	mg/L	
W1759	Suspended Solids	51-0769	5/1	10:55	2.3	mg/L	
W1759	Suspended Solids	51-0914	5/29	10:45	1.3	mg/L	
W1759	Suspended Solids	51-1083	6/26	10:40	2.8	mg/L	
W1759	Suspended Solids	51-1344	8/7	11:00	3.0	mg/L	
W1759	Suspended Solids	51-1545	8/28	10:10	<1.0	mg/L	
W1759	*E. coli*	51-0769	5/1	10:55	110	CFU/100mL	
W1759	*E. coli*	51-0914	5/29	10:45	26	CFU/100mL	
W1759	*E. coli*	51-1083	6/26	10:40	190	CFU/100mL	
W1759	*E. coli*	51-1187	7/10	10:01	70	CFU/100mL	
W1759	*E. coli*	51-1344	8/7	11:00	660	CFU/100mL	
W1759	*E. coli*	51-1545	8/28	10:10	70	CFU/100mL	
W1759	True Color	51-0769	5/1	10:55	59	PCU	
W1759	True Color	51-0914	5/29	10:45	42	PCU	
W1759	True Color	51-1083	6/26	10:40	83	PCU	
W1759	True Color	51-1344	8/7	11:00	100	PCU	
W1759	True Color	51-1545	8/28	10:10	62	PCU	
W1759	Turbidity	51-0769	5/1	10:55	1.7	NTU	
W1759	Turbidity	51-0914	5/29	10:45	1.7	NTU	
W1759	Turbidity	51-1083	6/26	10:40	3.4	NTU	
W1759	Turbidity	51-1344	8/7	11:00	4.1	NTU	
W1759	Turbidity	51-1545	8/28	10:10	2.9	NTU	
W1760	Total Nitrogen	51-0757	5/1	9:58	0.49	mg/L	
W1760	Total Nitrogen	51-0903	5/29	10:05	0.92	mg/L	
W1760	Total Nitrogen	51-1072	6/26	9:54	1.2	mg/L	
W1760	Total Nitrogen	51-1333	8/7	10:04	0.78	mg/L	h
W1760	Total Nitrogen	51-1534	8/28	10:25	1.1	mg/L	
W1760	Ammonia-N	51-0757	5/1	9:58	<0.02	mg/L	
W1760	Ammonia-N	51-0903	5/29	10:05	0.02	mg/L	
W1760	Ammonia-N	51-1072	6/26	9:54	0.04	mg/L	
W1760	Ammonia-N	51-1333	8/7	10:04	0.02	mg/L	
W1760	Ammonia-N	51-1534	8/28	10:25	<0.02	mg/L	
W1760	Total Phosphorus	51-0757	5/1	9:58	0.008	mg/L	
W1760	Total Phosphorus	51-0903	5/29	10:05	0.012	mg/L	
W1760	Total Phosphorus	51-1072	6/26	9:54	0.012	mg/L	
W1760	Total Phosphorus	51-1333	8/7	10:04	0.020	mg/L	h
W1760	Total Phosphorus	51-1534	8/28	10:25	0.008	mg/L	
W1760	Suspended Solids	51-0757	5/1	9:58	<1.0	mg/L	
W1760	Suspended Solids	51-0903	5/29	10:05	<1.0	mg/L	d
W1760	Suspended Solids	51-1072	6/26	9:54	<1.0	mg/L	
W1760	Suspended Solids	51-1333	8/7	10:04	1.8	mg/L	a

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1760	Suspended Solids	51-1534	8/28	10:25	<1.0	mg/L	
W1760	*E. coli*	51-0757	5/1	9:58	19	CFU/100mL	
W1760	*E. coli*	51-0903	5/29	10:05	55	CFU/100mL	
W1760	*E. coli*	51-1072	6/26	9:54	190	CFU/100mL	
W1760	*E. coli*	51-1176	7/10	9:37	2400	CFU/100mL	
W1760	*E. coli*	51-1333	8/7	10:04	600	CFU/100mL	
W1760	*E. coli*	51-1534	8/28	10:25	67	CFU/100mL	
W1760	True Color	51-0757	5/1	9:58	39	PCU	
W1760	True Color	51-0903	5/29	10:05	23	PCU	
W1760	True Color	51-1072	6/26	9:54	<15	PCU	
W1760	True Color	51-1333	8/7	10:04	38	PCU	
W1760	True Color	51-1534	8/28	10:25	28	PCU	
W1760	Turbidity	51-0757	5/1	9:58	0.9	NTU	
W1760	Turbidity	51-0903	5/29	10:05	0.7	NTU	b
W1760	Turbidity	51-1072	6/26	9:54	1.4	NTU	
W1760	Turbidity	51-1333	8/7	10:04	2.5	NTU	b
W1760	Turbidity	51-1534	8/28	10:25	1.3	NTU	
W1761	Total Nitrogen	51-0768	5/1	10:20	0.39	mg/L	
W1761	Total Nitrogen	51-0913	5/29	10:05	0.41	mg/L	
W1761	Total Nitrogen	51-1082	6/26	10:02	0.50	mg/L	
W1761	Total Nitrogen	51-1343	8/7	10:20	0.46	mg/L	h
W1761	Total Nitrogen	51-1544	8/28	9:40	0.17	mg/L	
W1761	Ammonia-N	51-0768	5/1	10:20	0.02	mg/L	
W1761	Ammonia-N	51-0913	5/29	10:05	0.04	mg/L	
W1761	Ammonia-N	51-1082	6/26	10:02	0.03	mg/L	
W1761	Ammonia-N	51-1343	8/7	10:20	0.03	mg/L	
W1761	Ammonia-N	51-1544	8/28	9:40	<0.02	mg/L	
W1761	Total Phosphorus	51-0768	5/1	10:20	0.013	mg/L	
W1761	Total Phosphorus	51-0913	5/29	10:05	0.015	mg/L	
W1761	Total Phosphorus	51-1082	6/26	10:02	0.019	mg/L	
W1761	Total Phosphorus	51-1343	8/7	10:20	0.021	mg/L	b, h
W1761	Total Phosphorus	51-1544	8/28	9:40	0.005	mg/L	
W1761	Suspended Solids	51-0768	5/1	10:20	<1.0	mg/L	
W1761	Suspended Solids	51-0913	5/29	10:05	<1.0	mg/L	
W1761	Suspended Solids	51-1082	6/26	10:02	<1.0	mg/L	
W1761	Suspended Solids	51-1343	8/7	10:20	1.7	mg/L	
W1761	Suspended Solids	51-1544	8/28	9:40	<1.0	mg/L	
W1761	*E. coli*	51-0768	5/1	10:20	33	CFU/100mL	
W1761	*E. coli*	51-0913	5/29	10:05	39	CFU/100mL	
W1761	*E. coli*	51-1082	6/26	10:02	120	CFU/100mL	
W1761	*E. coli*	51-1186	7/10	9:29	260	CFU/100mL	
W1761	*E. coli*	51-1343	8/7	10:20	170	CFU/100mL	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1761	*E. coli*	51-1544	8/28	9:40	35	CFU/100mL	
W1761	True Color	51-0768	5/1	10:20	38	PCU	
W1761	True Color	51-0913	5/29	10:05	18	PCU	
W1761	True Color	51-1082	6/26	10:02	36	PCU	
W1761	True Color	51-1343	8/7	10:20	48	PCU	
W1761	True Color	51-1544	8/28	9:40	<15	PCU	
W1761	Turbidity	51-0768	5/1	10:20	1.4	NTU	
W1761	Turbidity	51-0913	5/29	10:05	1.4	NTU	
W1761	Turbidity	51-1082	6/26	10:02	1.6	NTU	
W1761	Turbidity	51-1343	8/7	10:20	2.5	NTU	
W1761	Turbidity	51-1544	8/28	9:40	0.8	NTU	
W1762	Total Nitrogen	51-0749	5/1	8:32	0.64	mg/L	
W1762	Total Nitrogen	51-0897	5/29	8:32	1.0	mg/L	
W1762	Total Nitrogen	51-1066	6/26	8:22	1.6	mg/L	
W1762	Total Nitrogen	51-1327	8/7	8:43	1.3	mg/L	h
W1762	Total Nitrogen	51-1528	8/28	8:47	1.5	mg/L	
W1762	Ammonia-N	51-0749	5/1	8:32	<0.02	mg/L	
W1762	Ammonia-N	51-0897	5/29	8:32	0.03	mg/L	
W1762	Ammonia-N	51-1066	6/26	8:22	0.02	mg/L	
W1762	Ammonia-N	51-1327	8/7	8:43	0.02	mg/L	
W1762	Ammonia-N	51-1528	8/28	8:47	<0.02	mg/L	
W1762	Total Phosphorus	51-0749	5/1	8:32	0.018	mg/L	
W1762	Total Phosphorus	51-0897	5/29	8:32	0.016	mg/L	
W1762	Total Phosphorus	51-1066	6/26	8:22	0.016	mg/L	
W1762	Total Phosphorus	51-1327	8/7	8:43	0.017	mg/L	h
W1762	Total Phosphorus	51-1528	8/28	8:47	0.010	mg/L	
W1762	Suspended Solids	51-0749	5/1	8:32	1.8	mg/L	
W1762	Suspended Solids	51-0897	5/29	8:32	<1.0	mg/L	d
W1762	Suspended Solids	51-1066	6/26	8:22	1.1	mg/L	
W1762	Suspended Solids	51-1327	8/7	8:43	1.2	mg/L	a
W1762	Suspended Solids	51-1528	8/28	8:47	<1.0	mg/L	
W1762	*E. coli*	51-0749	5/1	8:32	270	CFU/100mL	
W1762	*E. coli*	51-0897	5/29	8:32	190	CFU/100mL	
W1762	*E. coli*	51-1066	6/26	8:22	2200	CFU/100mL	
W1762	*E. coli*	51-1170	7/10	8:31	18000	CFU/100mL	
W1762	*E. coli*	51-1327	8/7	8:43	1500	CFU/100mL	
W1762	*E. coli*	51-1528	8/28	8:47	390	CFU/100mL	
W1762	True Color	51-0749	5/1	8:32	58	PCU	
W1762	True Color	51-0897	5/29	8:32	33	PCU	
W1762	True Color	51-1066	6/26	8:22	16	PCU	
W1762	True Color	51-1327	8/7	8:43	24	PCU	
W1762	True Color	51-1528	8/28	8:47	19	PCU	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1762	Turbidity	51-0749	5/1	8:32	2.0	NTU	
W1762	Turbidity	51-0897	5/29	8:32	0.8	NTU	b
W1762	Turbidity	51-1066	6/26	8:22	1.4	NTU	
W1762	Turbidity	51-1327	8/7	8:43	1.2	NTU	b
W1762	Turbidity	51-1528	8/28	8:47	0.7	NTU	
W1763	Total Nitrogen	51-0715	4/29	10:00	2.4	mg/L	
W1763	Total Nitrogen	51-0868	5/27	9:17	7.3	mg/L	
W1763	Total Nitrogen	51-1037	6/24	9:10	1.9	mg/L	
W1763	Total Nitrogen	51-1298	8/5	9:00	3.0	mg/L	h
W1763	Total Nitrogen	51-1499	8/26	9:41	4.9	mg/L	
W1763	Nitrate/Nitrite-N	51-0715	4/29	10:00	0.39	mg/L	
W1763	Nitrate/Nitrite-N	51-0868	5/27	9:17	1.4	mg/L	
W1763	Nitrate/Nitrite-N	51-1037	6/24	9:10	0.84	mg/L	
W1763	Nitrate/Nitrite-N	51-1298	8/5	9:00	1.4	mg/L	
W1763	Nitrate/Nitrite-N	51-1499	8/26	9:41	2.3	mg/L	
W1763	Ammonia-N	51-0715	4/29	10:00	1.3	mg/L	
W1763	Ammonia-N	51-0868	5/27	9:17	5.3	mg/L	
W1763	Ammonia-N	51-1037	6/24	9:10	0.38	mg/L	
W1763	Ammonia-N	51-1298	8/5	9:00	1.2	mg/L	
W1763	Ammonia-N	51-1499	8/26	9:41	1.4	mg/L	
W1763	Total Phosphorus	51-0715	4/29	10:00	0.28	mg/L	
W1763	Total Phosphorus	51-0868	5/27	9:17	0.81	mg/L	
W1763	Total Phosphorus	51-1037	6/24	9:10	0.40	mg/L	
W1763	Total Phosphorus	51-1298	8/5	9:00	0.64	mg/L	h
W1763	Total Phosphorus	51-1499	8/26	9:41	1.0	mg/L	
W1763	Dissolved Reactive Phosphorus	51-0715	4/29	10:00	0.13	mg/L	h, m
W1763	Dissolved Reactive Phosphorus	51-0868	5/27	9:17	0.72	mg/L	b, m
W1763	Dissolved Reactive Phosphorus	51-1037	6/24	9:10	0.24	mg/L	m
W1763	Dissolved Reactive Phosphorus	51-1298	8/5	9:00	0.53	mg/L	h, m
W1763	Dissolved Reactive Phosphorus	51-1499	8/26	9:41	0.95	mg/L	h, m
W1763	Suspended Solids	51-0715	4/29	10:00	17	mg/L	
W1763	Suspended Solids	51-0868	5/27	9:17	4.9	mg/L	
W1763	Suspended Solids	51-1037	6/24	9:10	17	mg/L	
W1763	Suspended Solids	51-1298	8/5	9:00	5.6	mg/L	
W1763	Suspended Solids	51-1499	8/26	9:41	5.1	mg/L	
W1763	*E. coli*	51-0715	4/29	10:00	940	CFU/100mL	
W1763	*E. coli*	51-0868	5/27	9:17	140	CFU/100mL	
W1763	*E. coli*	51-1037	6/24	9:10	1700	CFU/100mL	
W1763	*E. coli*	51-1141	7/8	9:09	180	CFU/100mL	
W1763	*E. coli*	51-1298	8/5	9:00	200	CFU/100mL	
W1763	*E. coli*	51-1499	8/26	9:41	70	CFU/100mL	
W1763	True Color	51-0715	4/29	10:00	22	PCU	

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W1763	True Color	51-0868	5/27	9:17	20	PCU	
W1763	True Color	51-1037	6/24	9:10	26	PCU	
W1763	True Color	51-1298	8/5	9:00	21	PCU	d
W1763	True Color	51-1499	8/26	9:41	29	PCU	
W1763	Turbidity	51-0715	4/29	10:00	10.5	NTU	
W1763	Turbidity	51-0868	5/27	9:17	3.4	NTU	
W1763	Turbidity	51-1037	6/24	9:10	14.0	NTU	
W1763	Turbidity	51-1298	8/5	9:00	4.1	NTU	
W1763	Turbidity	51-1499	8/26	9:41	3.5	NTU	
W1764	Total Nitrogen	51-0729	4/29	9:45	2.7	mg/L	
W1764	Total Nitrogen	51-0881	5/27	10:03	5.0	mg/L	
W1764	Total Nitrogen	51-1050	6/24	9:30	2.4	mg/L	
W1764	Total Nitrogen	51-1311	8/5	9:58	2.4	mg/L	h
W1764	Total Nitrogen	51-1512	8/26	9:40	4.0	mg/L	
W1764	Nitrate/Nitrite-N	51-0729	4/29	9:45	0.53	mg/L	
W1764	Nitrate/Nitrite-N	51-0881	5/27	10:03	2.3	mg/L	
W1764	Nitrate/Nitrite-N	51-1050	6/24	9:30	0.99	mg/L	
W1764	Nitrate/Nitrite-N	51-1311	8/5	9:58	1.6	mg/L	
W1764	Nitrate/Nitrite-N	51-1512	8/26	9:40	2.5	mg/L	
W1764	Ammonia-N	51-0729	4/29	9:45	1.3	mg/L	
W1764	Ammonia-N	51-0881	5/27	10:03	1.8	mg/L	
W1764	Ammonia-N	51-1050	6/24	9:30	0.53	mg/L	
W1764	Ammonia-N	51-1311	8/5	9:58	0.32	mg/L	
W1764	Ammonia-N	51-1512	8/26	9:40	0.45	mg/L	
W1764	Total Phosphorus	51-0729	4/29	9:45	0.42	mg/L	
W1764	Total Phosphorus	51-0881	5/27	10:03	0.44	mg/L	
W1764	Total Phosphorus	51-1050	6/24	9:30	0.49	mg/L	
W1764	Total Phosphorus	51-1311	8/5	9:58	0.26	mg/L	h
W1764	Total Phosphorus	51-1512	8/26	9:40	0.55	mg/L	
W1764	Dissolved Reactive Phosphorus	51-0729	4/29	9:45	0.12	mg/L	h, m
W1764	Dissolved Reactive Phosphorus	51-0881	5/27	10:03	0.24	mg/L	m
W1764	Dissolved Reactive Phosphorus	51-1050	6/24	9:30	0.27	mg/L	m
W1764	Dissolved Reactive Phosphorus	51-1311	8/5	9:58	0.11	mg/L	h, m
W1764	Dissolved Reactive Phosphorus	51-1512	8/26	9:40	0.41	mg/L	d, h, m
W1764	Suspended Solids	51-0729	4/29	9:45	33	mg/L	
W1764	Suspended Solids	51-0881	5/27	10:03	5.3	mg/L	
W1764	Suspended Solids	51-1050	6/24	9:30	14	mg/L	
W1764	Suspended Solids	51-1311	8/5	9:58	7.6	mg/L	
W1764	Suspended Solids	51-1512	8/26	9:40	8.4	mg/L	
W1764	*E. coli*	51-0729	4/29	9:45	1700	CFU/100mL	
W1764	*E. coli*	51-0881	5/27	10:03	120	CFU/100mL	
W1764	*E. coli*	51-1050	6/24	9:30	10000	CFU/100mL	

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W1764	*E. coli*	51-1154	7/8	9:35	320	CFU/100mL	
W1764	*E. coli*	51-1311	8/5	9:58	4100	CFU/100mL	
W1764	*E. coli*	51-1512	8/26	9:40	2200	CFU/100mL	
W1764	True Color	51-0729	4/29	9:45	23	PCU	
W1764	True Color	51-0881	5/27	10:03	23	PCU	
W1764	True Color	51-1050	6/24	9:30	29	PCU	
W1764	True Color	51-1311	8/5	9:58	36	PCU	b
W1764	True Color	51-1512	8/26	9:40	15	PCU	
W1764	Turbidity	51-0729	4/29	9:45	21.5	NTU	
W1764	Turbidity	51-0881	5/27	10:03	4.9	NTU	
W1764	Turbidity	51-1050	6/24	9:30	14.5	NTU	
W1764	Turbidity	51-1311	8/5	9:58	6.5	NTU	
W1764	Turbidity	51-1512	8/26	9:40	5.7	NTU	
W1765	Total Nitrogen	51-0743	4/29	11:31	2.7	mg/L	
W1765	Total Nitrogen	51-0892	5/27	9:48	3.1	mg/L	
W1765	Total Nitrogen	51-1061	6/24	10:15	2.7	mg/L	
W1765	Total Nitrogen	51-1322	8/5	10:35	2.0	mg/L	h
W1765	Total Nitrogen	51-1523	8/26	10:44	2.5	mg/L	
W1765	Nitrate/Nitrite-N	51-0743	4/29	11:31	0.69	mg/L	
W1765	Nitrate/Nitrite-N	51-0892	5/27	9:48	2.1	mg/L	
W1765	Nitrate/Nitrite-N	51-1061	6/24	10:15	1.3	mg/L	
W1765	Nitrate/Nitrite-N	51-1322	8/5	10:35	1.4	mg/L	
W1765	Nitrate/Nitrite-N	51-1523	8/26	10:44	1.8	mg/L	
W1765	Ammonia-N	51-0743	4/29	11:31	1.1	mg/L	
W1765	Ammonia-N	51-0892	5/27	9:48	0.23	mg/L	
W1765	Ammonia-N	51-1061	6/24	10:15	0.44	mg/L	
W1765	Ammonia-N	51-1322	8/5	10:35	0.08	mg/L	
W1765	Ammonia-N	51-1523	8/26	10:44	<0.02	mg/L	
W1765	Total Phosphorus	51-0743	4/29	11:31	0.36	mg/L	
W1765	Total Phosphorus	51-0892	5/27	9:48	0.23	mg/L	
W1765	Total Phosphorus	51-1061	6/24	10:15	0.52	mg/L	
W1765	Total Phosphorus	51-1322	8/5	10:35	0.23	mg/L	h
W1765	Total Phosphorus	51-1523	8/26	10:44	0.29	mg/L	
W1765	Dissolved Reactive Phosphorus	51-0743	4/29	11:31	0.083	mg/L	h, m
W1765	Dissolved Reactive Phosphorus	51-0892	5/27	9:48	0.12	mg/L	m
W1765	Dissolved Reactive Phosphorus	51-1061	6/24	10:15	0.24	mg/L	m
W1765	Dissolved Reactive Phosphorus	51-1322	8/5	10:35	0.10	mg/L	h, m
W1765	Dissolved Reactive Phosphorus	51-1523	8/26	10:44	0.19	mg/L	m
W1765	Suspended Solids	51-0743	4/29	11:31	33	mg/L	
W1765	Suspended Solids	51-0892	5/27	9:48	6.7	mg/L	
W1765	Suspended Solids	51-1061	6/24	10:15	28	mg/L	
W1765	Suspended Solids	51-1322	8/5	10:35	11	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1765	Suspended Solids	51-1523	8/26	10:44	4.6	mg/L	
W1765	*E. coli*	51-0743	4/29	11:31	780	CFU/100mL	
W1765	*E. coli*	51-0892	5/27	9:48	52	CFU/100mL	
W1765	*E. coli*	51-1061	6/24	10:15	9900	CFU/100mL	
W1765	*E. coli*	51-1165	7/8	10:30	97	CFU/100mL	
W1765	*E. coli*	51-1322	8/5	10:35	900	CFU/100mL	
W1765	*E. coli*	51-1523	8/26	10:44	83	CFU/100mL	
W1765	True Color	51-0743	4/29	11:31	24	PCU	
W1765	True Color	51-0892	5/27	9:48	20	PCU	
W1765	True Color	51-1061	6/24	10:15	23	PCU	
W1765	True Color	51-1322	8/5	10:35	69	PCU	b, d
W1765	True Color	51-1523	8/26	10:44	19	PCU	
W1765	Turbidity	51-0743	4/29	11:31	16.5	NTU	
W1765	Turbidity	51-0892	5/27	9:48	4.5	NTU	b
W1765	Turbidity	51-1061	6/24	10:15	22.0	NTU	
W1765	Turbidity	51-1322	8/5	10:35	6.2	NTU	
W1765	Turbidity	51-1523	8/26	10:44	2.7	NTU	
W1766	Total Nitrogen	51-0742	4/29	10:55	3.7	mg/L	
W1766	Total Nitrogen	51-0891	5/27	9:29	2.8	mg/L	
W1766	Total Nitrogen	51-1060	6/24	9:56	3.4	mg/L	
W1766	Total Nitrogen	51-1321	8/5	10:07	1.8	mg/L	h
W1766	Total Nitrogen	51-1522	8/26	10:20	2.0	mg/L	
W1766	Nitrate/Nitrite-N	51-0742	4/29	10:55	1.1	mg/L	
W1766	Nitrate/Nitrite-N	51-0891	5/27	9:29	2.0	mg/L	
W1766	Nitrate/Nitrite-N	51-1060	6/24	9:56	1.8	mg/L	
W1766	Nitrate/Nitrite-N	51-1321	8/5	10:07	1.3	mg/L	
W1766	Nitrate/Nitrite-N	51-1522	8/26	10:20	1.4	mg/L	
W1766	Ammonia-N	51-0742	4/29	10:55	2.0	mg/L	
W1766	Ammonia-N	51-0891	5/27	9:29	0.16	mg/L	
W1766	Ammonia-N	51-1060	6/24	9:56	0.53	mg/L	
W1766	Ammonia-N	51-1321	8/5	10:07	0.05	mg/L	
W1766	Ammonia-N	51-1522	8/26	10:20	<0.02	mg/L	
W1766	Total Phosphorus	51-0742	4/29	10:55	0.30	mg/L	
W1766	Total Phosphorus	51-0891	5/27	9:29	0.19	mg/L	
W1766	Total Phosphorus	51-1060	6/24	9:56	0.62	mg/L	
W1766	Total Phosphorus	51-1321	8/5	10:07	0.24	mg/L	h
W1766	Total Phosphorus	51-1522	8/26	10:20	0.22	mg/L	
W1766	Dissolved Reactive Phosphorus	51-0742	4/29	10:55	0.11	mg/L	h, m
W1766	Dissolved Reactive Phosphorus	51-0891	5/27	9:29	0.081	mg/L	m
W1766	Dissolved Reactive Phosphorus	51-1060	6/24	9:56	0.27	mg/L	m
W1766	Dissolved Reactive Phosphorus	51-1321	8/5	10:07	0.12	mg/L	h, m
W1766	Dissolved Reactive Phosphorus	51-1522	8/26	10:20	0.12	mg/L	m

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1766	Suspended Solids	51-0742	4/29	10:55	27	mg/L	
W1766	Suspended Solids	51-0891	5/27	9:29	4.7	mg/L	
W1766	Suspended Solids	51-1060	6/24	9:56	28	mg/L	
W1766	Suspended Solids	51-1321	8/5	10:07	8.1	mg/L	
W1766	Suspended Solids	51-1522	8/26	10:20	5.5	mg/L	
W1766	*E. coli*	51-0742	4/29	10:55	540	CFU/100mL	
W1766	*E. coli*	51-0891	5/27	9:29	29	CFU/100mL	
W1766	*E. coli*	51-1060	6/24	9:56	5400	CFU/100mL	
W1766	*E. coli*	51-1164	7/8	10:10	87	CFU/100mL	
W1766	*E. coli*	51-1321	8/5	10:07	130	CFU/100mL	
W1766	*E. coli*	51-1522	8/26	10:20	39	CFU/100mL	
W1766	True Color	51-0742	4/29	10:55	24	PCU	
W1766	True Color	51-0891	5/27	9:29	20	PCU	
W1766	True Color	51-1060	6/24	9:56	18	PCU	
W1766	True Color	51-1321	8/5	10:07	15	PCU	b, d
W1766	True Color	51-1522	8/26	10:20	21	PCU	
W1766	Turbidity	51-0742	4/29	10:55	14.0	NTU	
W1766	Turbidity	51-0891	5/27	9:29	3.8	NTU	b
W1766	Turbidity	51-1060	6/24	9:56	21.0	NTU	
W1766	Turbidity	51-1321	8/5	10:07	5.2	NTU	
W1766	Turbidity	51-1522	8/26	10:20	3.8	NTU	
W1767	Total Nitrogen	51-0716	4/29	10:14	0.61	mg/L	
W1767	Total Nitrogen	51-0869	5/27	9:33	0.55	mg/L	
W1767	Total Nitrogen	51-1038	6/24	9:33	0.71	mg/L	
W1767	Total Nitrogen	51-1299	8/5	9:22	0.39	mg/L	h
W1767	Total Nitrogen	51-1500	8/26	10:02	0.42	mg/L	
W1767	Nitrate/Nitrite-N	51-0716	4/29	10:14	0.24	mg/L	
W1767	Nitrate/Nitrite-N	51-0869	5/27	9:33	0.26	mg/L	
W1767	Nitrate/Nitrite-N	51-1038	6/24	9:33	0.18	mg/L	
W1767	Nitrate/Nitrite-N	51-1299	8/5	9:22	0.11	mg/L	
W1767	Nitrate/Nitrite-N	51-1500	8/26	10:02	0.18	mg/L	
W1767	Ammonia-N	51-0716	4/29	10:14	<0.02	mg/L	
W1767	Ammonia-N	51-0869	5/27	9:33	0.04	mg/L	
W1767	Ammonia-N	51-1038	6/24	9:33	0.05	mg/L	
W1767	Ammonia-N	51-1299	8/5	9:22	0.02	mg/L	
W1767	Ammonia-N	51-1500	8/26	10:02	<0.02	mg/L	
W1767	Total Phosphorus	51-0716	4/29	10:14	0.033	mg/L	
W1767	Total Phosphorus	51-0869	5/27	9:33	0.029	mg/L	
W1767	Total Phosphorus	51-1038	6/24	9:33	0.057	mg/L	
W1767	Total Phosphorus	51-1299	8/5	9:22	0.031	mg/L	h
W1767	Total Phosphorus	51-1500	8/26	10:02	0.024	mg/L	
W1767	Dissolved Reactive Phosphorus	51-0716	4/29	10:14	<0.005	mg/L	h, m

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W1767	Dissolved Reactive Phosphorus	51-0869	5/27	9:33	0.019	mg/L	b, m
W1767	Dissolved Reactive Phosphorus	51-1038	6/24	9:33	0.016	mg/L	m
W1767	Dissolved Reactive Phosphorus	51-1299	8/5	9:22	0.011	mg/L	h, m
W1767	Dissolved Reactive Phosphorus	51-1500	8/26	10:02	0.009	mg/L	h, m
W1767	Suspended Solids	51-0716	4/29	10:14	4.5	mg/L	
W1767	Suspended Solids	51-0869	5/27	9:33	1.4	mg/L	
W1767	Suspended Solids	51-1038	6/24	9:33	4.6	mg/L	
W1767	Suspended Solids	51-1299	8/5	9:22	2.1	mg/L	
W1767	Suspended Solids	51-1500	8/26	10:02	<1.0	mg/L	
W1767	*E. coli*	51-0716	4/29	10:14	380	CFU/100mL	
W1767	*E. coli*	51-0869	5/27	9:33	120	CFU/100mL	
W1767	*E. coli*	51-1038	6/24	9:33	500	CFU/100mL	
W1767	*E. coli*	51-1142	7/8	9:20	370	CFU/100mL	
W1767	*E. coli*	51-1299	8/5	9:22	120	CFU/100mL	
W1767	*E. coli*	51-1500	8/26	10:02	32	CFU/100mL	
W1767	True Color	51-0716	4/29	10:14	48	PCU	
W1767	True Color	51-0869	5/27	9:33	17	PCU	
W1767	True Color	51-1038	6/24	9:33	76	PCU	
W1767	True Color	51-1299	8/5	9:22	42	PCU	d
W1767	True Color	51-1500	8/26	10:02	<15	PCU	
W1767	Turbidity	51-0716	4/29	10:14	2.8	NTU	
W1767	Turbidity	51-0869	5/27	9:33	1.4	NTU	
W1767	Turbidity	51-1038	6/24	9:33	3.6	NTU	
W1767	Turbidity	51-1299	8/5	9:22	1.5	NTU	
W1767	Turbidity	51-1500	8/26	10:02	1.7	NTU	
W1768	Total Nitrogen	51-0725	4/29	8:23	0.34	mg/L	
W1768	Total Nitrogen	51-0877	5/27	8:20	0.43	mg/L	
W1768	Total Nitrogen	51-1046	6/24	8:15	0.79	mg/L	
W1768	Total Nitrogen	51-1307	8/5	8:07	0.74	mg/L	h
W1768	Total Nitrogen	51-1508	8/26	8:28	0.65	mg/L	
W1768	Nitrate/Nitrite-N	51-0725	4/29	8:23	0.08	mg/L	
W1768	Nitrate/Nitrite-N	51-0877	5/27	8:20	0.22	mg/L	
W1768	Nitrate/Nitrite-N	51-1046	6/24	8:15	0.37	mg/L	
W1768	Nitrate/Nitrite-N	51-1307	8/5	8:07	0.13	mg/L	
W1768	Nitrate/Nitrite-N	51-1508	8/26	8:28	0.17	mg/L	
W1768	Ammonia-N	51-0725	4/29	8:23	<0.02	mg/L	
W1768	Ammonia-N	51-0877	5/27	8:20	0.03	mg/L	
W1768	Ammonia-N	51-1046	6/24	8:15	0.15	mg/L	
W1768	Ammonia-N	51-1307	8/5	8:07	0.21	mg/L	
W1768	Ammonia-N	51-1508	8/26	8:28	0.11	mg/L	
W1768	Total Phosphorus	51-0725	4/29	8:23	0.013	mg/L	
W1768	Total Phosphorus	51-0877	5/27	8:20	0.013	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1768	Total Phosphorus	51-1046	6/24	8:15	0.017	mg/L	
W1768	Total Phosphorus	51-1307	8/5	8:07	0.047	mg/L	h
W1768	Total Phosphorus	51-1508	8/26	8:28	0.043	mg/L	
W1768	Dissolved Reactive Phosphorus	51-0725	4/29	8:23	<0.005	mg/L	h, m
W1768	Dissolved Reactive Phosphorus	51-0877	5/27	8:20	<0.005	mg/L	m
W1768	Dissolved Reactive Phosphorus	51-1046	6/24	8:15	<0.005	mg/L	m
W1768	Dissolved Reactive Phosphorus	51-1307	8/5	8:07	0.016	mg/L	h, m
W1768	Dissolved Reactive Phosphorus	51-1508	8/26	8:28	0.005	mg/L	d, h, m
W1768	Suspended Solids	51-0725	4/29	8:23	1.8	mg/L	
W1768	Suspended Solids	51-0877	5/27	8:20	<1.0	mg/L	
W1768	Suspended Solids	51-1046	6/24	8:15	1.5	mg/L	
W1768	Suspended Solids	51-1307	8/5	8:07	3.4	mg/L	
W1768	Suspended Solids	51-1508	8/26	8:28	1.9	mg/L	
W1768	*E. coli*	51-0725	4/29	8:23	130	CFU/100mL	
W1768	*E. coli*	51-0877	5/27	8:20	23	CFU/100mL	
W1768	*E. coli*	51-1046	6/24	8:15	420	CFU/100mL	
W1768	*E. coli*	51-1150	7/8	8:40	97	CFU/100mL	
W1768	*E. coli*	51-1307	8/5	8:07	70	CFU/100mL	
W1768	*E. coli*	51-1508	8/26	8:28	55	CFU/100mL	
W1768	True Color	51-0725	4/29	8:23	38	PCU	
W1768	True Color	51-0877	5/27	8:20	19	PCU	
W1768	True Color	51-1046	6/24	8:15	<15	PCU	
W1768	True Color	51-1307	8/5	8:07	130	PCU	b
W1768	True Color	51-1508	8/26	8:28	34	PCU	
W1768	Turbidity	51-0725	4/29	8:23	1.3	NTU	
W1768	Turbidity	51-0877	5/27	8:20	1.3	NTU	
W1768	Turbidity	51-1046	6/24	8:15	2.0	NTU	
W1768	Turbidity	51-1307	8/5	8:07	3.2	NTU	
W1768	Turbidity	51-1508	8/26	8:28	4.4	NTU	
W1769	Total Nitrogen	51-0712	4/29	9:21	0.64	mg/L	
W1769	Total Nitrogen	51-0866	5/27	8:40	0.93	mg/L	
W1769	Total Nitrogen	51-1035	6/24	8:35	0.75	mg/L	
W1769	Total Nitrogen	51-1296	8/5	8:35	1.1	mg/L	h
W1769	Total Nitrogen	51-1497	8/26	8:55	1.4	mg/L	
W1769	Nitrate/Nitrite-N	51-0712	4/29	9:21	0.16	mg/L	
W1769	Nitrate/Nitrite-N	51-0866	5/27	8:40	0.51	mg/L	
W1769	Nitrate/Nitrite-N	51-1035	6/24	8:35	0.12	mg/L	
W1769	Nitrate/Nitrite-N	51-1296	8/5	8:35	0.74	mg/L	
W1769	Nitrate/Nitrite-N	51-1497	8/26	8:55	1.0	mg/L	
W1769	Ammonia-N	51-0712	4/29	9:21	<0.02	mg/L	
W1769	Ammonia-N	51-0866	5/27	8:40	0.04	mg/L	
W1769	Ammonia-N	51-1035	6/24	8:35	0.04	mg/L	

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W1769	Ammonia-N	51-1296	8/5	8:35	0.03	mg/L	
W1769	Ammonia-N	51-1497	8/26	8:55	0.03	mg/L	
W1769	Total Phosphorus	51-0712	4/29	9:21	0.039	mg/L	
W1769	Total Phosphorus	51-0866	5/27	8:40	0.033	mg/L	
W1769	Total Phosphorus	51-1035	6/24	8:35	0.051	mg/L	
W1769	Total Phosphorus	51-1296	8/5	8:35	0.031	mg/L	h
W1769	Total Phosphorus	51-1497	8/26	8:55	0.026	mg/L	
W1769	Dissolved Reactive Phosphorus	51-0712	4/29	9:21	<0.005	mg/L	h, m
W1769	Dissolved Reactive Phosphorus	51-0866	5/27	8:40	0.011	mg/L	b, m
W1769	Dissolved Reactive Phosphorus	51-1035	6/24	8:35	0.006	mg/L	m
W1769	Dissolved Reactive Phosphorus	51-1296	8/5	8:35	0.008	mg/L	h, m
W1769	Dissolved Reactive Phosphorus	51-1497	8/26	8:55	<0.005	mg/L	h, m
W1769	Suspended Solids	51-0712	4/29	9:21	11	mg/L	
W1769	Suspended Solids	51-0866	5/27	8:40	4.4	mg/L	
W1769	Suspended Solids	51-1035	6/24	8:35	8.4	mg/L	
W1769	Suspended Solids	51-1296	8/5	8:35	1.6	mg/L	
W1769	Suspended Solids	51-1497	8/26	8:55	14	mg/L	
W1769	*E. coli*	51-0712	4/29	9:21	550	CFU/100mL	
W1769	*E. coli*	51-0866	5/27	8:40	93	CFU/100mL	
W1769	*E. coli*	51-1035	6/24	8:35	2100	CFU/100mL	
W1769	*E. coli*	51-1139	7/8	8:46	120	CFU/100mL	
W1769	*E. coli*	51-1296	8/5	8:35	120	CFU/100mL	
W1769	*E. coli*	51-1497	8/26	8:55	240	CFU/100mL	
W1769	True Color	51-0712	4/29	9:21	72	PCU	
W1769	True Color	51-0866	5/27	8:40	60	PCU	
W1769	True Color	51-1035	6/24	8:35	100	PCU	
W1769	True Color	51-1296	8/5	8:35	50	PCU	d
W1769	True Color	51-1497	8/26	8:55	37	PCU	
W1769	Turbidity	51-0712	4/29	9:21	3.7	NTU	
W1769	Turbidity	51-0866	5/27	8:40	3.5	NTU	
W1769	Turbidity	51-1035	6/24	8:35	3.3	NTU	
W1769	Turbidity	51-1296	8/5	8:35	2.5	NTU	
W1769	Turbidity	51-1497	8/26	8:55	5.8	NTU	
W1770	Total Nitrogen	51-0738	4/29	8:45	0.52	mg/L	
W1770	Total Nitrogen	51-0887	5/27	8:16	0.52	mg/L	
W1770	Total Nitrogen	51-1056	6/24	8:15	0.53	mg/L	
W1770	Total Nitrogen	51-1317	8/5	8:44	0.44	mg/L	h
W1770	Total Nitrogen	51-1518	8/26	8:40	0.53	mg/L	
W1770	Nitrate/Nitrite-N	51-0738	4/29	8:45	0.19	mg/L	
W1770	Nitrate/Nitrite-N	51-0887	5/27	8:16	0.21	mg/L	
W1770	Nitrate/Nitrite-N	51-1056	6/24	8:15	0.20	mg/L	
W1770	Nitrate/Nitrite-N	51-1317	8/5	8:44	0.13	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1770	Nitrate/Nitrite-N	51-1518	8/26	8:40	0.16	mg/L	
W1770	Ammonia-N	51-0738	4/29	8:45	0.10	mg/L	
W1770	Ammonia-N	51-0887	5/27	8:16	0.04	mg/L	
W1770	Ammonia-N	51-1056	6/24	8:15	0.05	mg/L	
W1770	Ammonia-N	51-1317	8/5	8:44	0.05	mg/L	
W1770	Ammonia-N	51-1518	8/26	8:40	0.07	mg/L	
W1770	Total Phosphorus	51-0738	4/29	8:45	0.015	mg/L	
W1770	Total Phosphorus	51-0887	5/27	8:16	0.013	mg/L	
W1770	Total Phosphorus	51-1056	6/24	8:15	0.013	mg/L	
W1770	Total Phosphorus	51-1317	8/5	8:44	0.013	mg/L	h
W1770	Total Phosphorus	51-1518	8/26	8:40	0.012	mg/L	
W1770	Dissolved Reactive Phosphorus	51-0738	4/29	8:45	<0.005	mg/L	h, m
W1770	Dissolved Reactive Phosphorus	51-0887	5/27	8:16	<0.005	mg/L	m
W1770	Dissolved Reactive Phosphorus	51-1056	6/24	8:15	<0.005	mg/L	m
W1770	Dissolved Reactive Phosphorus	51-1317	8/5	8:44	<0.006	mg/L	h, m
W1770	Dissolved Reactive Phosphorus	51-1518	8/26	8:40	<0.005	mg/L	h, m
W1770	Suspended Solids	51-0738	4/29	8:45	3.1	mg/L	
W1770	Suspended Solids	51-0887	5/27	8:16	1.1	mg/L	
W1770	Suspended Solids	51-1056	6/24	8:15	<1.0	mg/L	
W1770	Suspended Solids	51-1317	8/5	8:44	<1.0	mg/L	
W1770	Suspended Solids	51-1518	8/26	8:40	<1.0	mg/L	
W1770	*E. coli*	51-0738	4/29	8:45	48	CFU/100mL	
W1770	*E. coli*	51-0887	5/27	8:16	23	CFU/100mL	
W1770	*E. coli*	51-1056	6/24	8:15	32	CFU/100mL	
W1770	*E. coli*	51-1160	7/8	8:45	42	CFU/100mL	
W1770	*E. coli*	51-1317	8/5	8:44	19	CFU/100mL	
W1770	*E. coli*	51-1518	8/26	8:40	42	CFU/100mL	
W1770	True Color	51-0738	4/29	8:45	20	PCU	
W1770	True Color	51-0887	5/27	8:16	26	PCU	
W1770	True Color	51-1056	6/24	8:15	23	PCU	
W1770	True Color	51-1317	8/5	8:44	44	PCU	b, d
W1770	True Color	51-1518	8/26	8:40	38	PCU	
W1770	Turbidity	51-0738	4/29	8:45	2.1	NTU	
W1770	Turbidity	51-0887	5/27	8:16	1.3	NTU	b
W1770	Turbidity	51-1056	6/24	8:15	1.0	NTU	
W1770	Turbidity	51-1317	8/5	8:44	1.0	NTU	
W1770	Turbidity	51-1518	8/26	8:40	1.5	NTU	
W1771	Total Nitrogen	51-0740	4/29	9:40	0.96	mg/L	
W1771	Total Nitrogen	51-0889	5/27	8:55	0.91	mg/L	
W1771	Total Nitrogen	51-1058	6/24	9:08	1.1	mg/L	
W1771	Total Nitrogen	51-1319	8/5	9:29	0.83	mg/L	h
W1771	Total Nitrogen	51-1520	8/26	9:34	0.83	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1771	Nitrate/Nitrite-N	51-0740	4/29	9:40	0.61	mg/L	
W1771	Nitrate/Nitrite-N	51-0889	5/27	8:55	0.54	mg/L	
W1771	Nitrate/Nitrite-N	51-1058	6/24	9:08	0.64	mg/L	
W1771	Nitrate/Nitrite-N	51-1319	8/5	9:29	0.39	mg/L	
W1771	Nitrate/Nitrite-N	51-1520	8/26	9:34	0.35	mg/L	
W1771	Ammonia-N	51-0740	4/29	9:40	0.03	mg/L	
W1771	Ammonia-N	51-0889	5/27	8:55	0.02	mg/L	
W1771	Ammonia-N	51-1058	6/24	9:08	0.03	mg/L	
W1771	Ammonia-N	51-1319	8/5	9:29	0.04	mg/L	
W1771	Ammonia-N	51-1520	8/26	9:34	0.03	mg/L	
W1771	Total Phosphorus	51-0740	4/29	9:40	0.029	mg/L	
W1771	Total Phosphorus	51-0889	5/27	8:55	0.029	mg/L	
W1771	Total Phosphorus	51-1058	6/24	9:08	0.027	mg/L	
W1771	Total Phosphorus	51-1319	8/5	9:29	0.023	mg/L	h
W1771	Total Phosphorus	51-1520	8/26	9:34	0.026	mg/L	
W1771	Dissolved Reactive Phosphorus	51-0740	4/29	9:40	<0.005	mg/L	h, m
W1771	Dissolved Reactive Phosphorus	51-0889	5/27	8:55	0.005	mg/L	m
W1771	Dissolved Reactive Phosphorus	51-1058	6/24	9:08	0.005	mg/L	m
W1771	Dissolved Reactive Phosphorus	51-1319	8/5	9:29	<0.006	mg/L	h, m
W1771	Dissolved Reactive Phosphorus	51-1520	8/26	9:34	<0.005	mg/L	h, m
W1771	Suspended Solids	51-0740	4/29	9:40	4.6	mg/L	
W1771	Suspended Solids	51-0889	5/27	8:55	2.0	mg/L	
W1771	Suspended Solids	51-1058	6/24	9:08	6.1	mg/L	
W1771	Suspended Solids	51-1319	8/5	9:29	3.0	mg/L	
W1771	Suspended Solids	51-1520	8/26	9:34	3.1	mg/L	
W1771	*E. coli*	51-0740	4/29	9:40	33	CFU/100mL	
W1771	*E. coli*	51-0889	5/27	8:55	45	CFU/100mL	
W1771	*E. coli*	51-1058	6/24	9:08	310	CFU/100mL	
W1771	*E. coli*	51-1162	7/8	9:40	620	CFU/100mL	
W1771	*E. coli*	51-1319	8/5	9:29	760	CFU/100mL	
W1771	*E. coli*	51-1520	8/26	9:34	320	CFU/100mL	
W1771	True Color	51-0740	4/29	9:40	24	PCU	
W1771	True Color	51-0889	5/27	8:55	36	PCU	
W1771	True Color	51-1058	6/24	9:08	18	PCU	
W1771	True Color	51-1319	8/5	9:29	31	PCU	b, d
W1771	True Color	51-1520	8/26	9:34	63	PCU	
W1771	Turbidity	51-0740	4/29	9:40	2.4	NTU	
W1771	Turbidity	51-0889	5/27	8:55	1.7	NTU	b
W1771	Turbidity	51-1058	6/24	9:08	3.1	NTU	
W1771	Turbidity	51-1319	8/5	9:29	3.0	NTU	
W1771	Turbidity	51-1520	8/26	9:34	2.7	NTU	
W1772	Total Nitrogen	51-0739	4/29	9:20	0.75	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1772	Total Nitrogen	51-0888	5/27	8:43	1.1	mg/L	
W1772	Total Nitrogen	51-1057	6/24	8:49	1.3	mg/L	
W1772	Total Nitrogen	51-1318	8/5	9:12	1.2	mg/L	h
W1772	Total Nitrogen	51-1519	8/26	9:18	1.2	mg/L	
W1772	Nitrate/Nitrite-N	51-0739	4/29	9:20	0.29	mg/L	
W1772	Nitrate/Nitrite-N	51-0888	5/27	8:43	0.60	mg/L	
W1772	Nitrate/Nitrite-N	51-1057	6/24	8:49	0.78	mg/L	
W1772	Nitrate/Nitrite-N	51-1318	8/5	9:12	0.72	mg/L	
W1772	Nitrate/Nitrite-N	51-1519	8/26	9:18	0.81	mg/L	
W1772	Ammonia-N	51-0739	4/29	9:20	0.04	mg/L	
W1772	Ammonia-N	51-0888	5/27	8:43	0.08	mg/L	
W1772	Ammonia-N	51-1057	6/24	8:49	0.14	mg/L	
W1772	Ammonia-N	51-1318	8/5	9:12	0.10	mg/L	
W1772	Ammonia-N	51-1519	8/26	9:18	0.07	mg/L	
W1772	Total Phosphorus	51-0739	4/29	9:20	0.037	mg/L	
W1772	Total Phosphorus	51-0888	5/27	8:43	0.034	mg/L	
W1772	Total Phosphorus	51-1057	6/24	8:49	0.041	mg/L	
W1772	Total Phosphorus	51-1318	8/5	9:12	0.061	mg/L	h
W1772	Total Phosphorus	51-1519	8/26	9:18	0.026	mg/L	
W1772	Dissolved Reactive Phosphorus	51-0739	4/29	9:20	<0.005	mg/L	h, m
W1772	Dissolved Reactive Phosphorus	51-0888	5/27	8:43	<0.005	mg/L	m
W1772	Dissolved Reactive Phosphorus	51-1057	6/24	8:49	0.008	mg/L	m
W1772	Dissolved Reactive Phosphorus	51-1318	8/5	9:12	<0.006	mg/L	h, m
W1772	Dissolved Reactive Phosphorus	51-1519	8/26	9:18	0.005	mg/L	h, m
W1772	Suspended Solids	51-0739	4/29	9:20	3.6	mg/L	
W1772	Suspended Solids	51-0888	5/27	8:43	4.9	mg/L	
W1772	Suspended Solids	51-1057	6/24	8:49	4.1	mg/L	
W1772	Suspended Solids	51-1318	8/5	9:12	5.1	mg/L	
W1772	Suspended Solids	51-1519	8/26	9:18	3.0	mg/L	
W1772	*E. coli*	51-0739	4/29	9:20	830	CFU/100mL	
W1772	*E. coli*	51-0888	5/27	8:43	910	CFU/100mL	
W1772	*E. coli*	51-1057	6/24	8:49	690	CFU/100mL	
W1772	*E. coli*	51-1161	7/8	9:25	520	CFU/100mL	
W1772	*E. coli*	51-1318	8/5	9:12	850	CFU/100mL	
W1772	*E. coli*	51-1519	8/26	9:18	450	CFU/100mL	
W1772	True Color	51-0739	4/29	9:20	63	PCU	
W1772	True Color	51-0888	5/27	8:43	52	PCU	
W1772	True Color	51-1057	6/24	8:49	27	PCU	
W1772	True Color	51-1318	8/5	9:12	30	PCU	b, d
W1772	True Color	51-1519	8/26	9:18	32	PCU	
W1772	Turbidity	51-0739	4/29	9:20	2.6	NTU	
W1772	Turbidity	51-0888	5/27	8:43	3.6	NTU	b

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1772	Turbidity	51-1057	6/24	8:49	3.8	NTU	
W1772	Turbidity	51-1318	8/5	9:12	4.3	NTU	
W1772	Turbidity	51-1519	8/26	9:18	2.5	NTU	
W1779	Total Nitrogen	51-0727	4/29	9:08	3.4	mg/L	
W1779	Total Nitrogen	51-0879	5/27	9:24	4.4	mg/L	
W1779	Total Nitrogen	51-1048	6/24	8:50	2.7	mg/L	
W1779	Total Nitrogen	51-1309	8/5	8:50	2.3	mg/L	h
W1779	Total Nitrogen	51-1510	8/26	9:06	3.7	mg/L	
W1779	Nitrate/Nitrite-N	51-0727	4/29	9:08	0.74	mg/L	
W1779	Nitrate/Nitrite-N	51-0879	5/27	9:24	2.6	mg/L	
W1779	Nitrate/Nitrite-N	51-1048	6/24	8:50	1.3	mg/L	
W1779	Nitrate/Nitrite-N	51-1309	8/5	8:50	1.5	mg/L	
W1779	Nitrate/Nitrite-N	51-1510	8/26	9:06	2.3	mg/L	
W1779	Ammonia-N	51-0727	4/29	9:08	1.6	mg/L	
W1779	Ammonia-N	51-0879	5/27	9:24	0.94	mg/L	
W1779	Ammonia-N	51-1048	6/24	8:50	0.50	mg/L	
W1779	Ammonia-N	51-1309	8/5	8:50	0.17	mg/L	
W1779	Ammonia-N	51-1510	8/26	9:06	0.10	mg/L	
W1779	Total Phosphorus	51-0727	4/29	9:08	0.48	mg/L	
W1779	Total Phosphorus	51-0879	5/27	9:24	0.38	mg/L	
W1779	Total Phosphorus	51-1048	6/24	8:50	0.51	mg/L	
W1779	Total Phosphorus	51-1309	8/5	8:50	0.31	mg/L	h
W1779	Total Phosphorus	51-1510	8/26	9:06	0.47	mg/L	
W1779	Dissolved Reactive Phosphorus	51-0727	4/29	9:08	0.14	mg/L	h, m
W1779	Dissolved Reactive Phosphorus	51-0879	5/27	9:24	0.21	mg/L	m
W1779	Dissolved Reactive Phosphorus	51-1048	6/24	8:50	0.25	mg/L	m
W1779	Dissolved Reactive Phosphorus	51-1309	8/5	8:50	0.12	mg/L	h, m
W1779	Dissolved Reactive Phosphorus	51-1510	8/26	9:06	0.31	mg/L	d, h, m
W1779	Suspended Solids	51-0727	4/29	9:08	29	mg/L	
W1779	Suspended Solids	51-0879	5/27	9:24	7.1	mg/L	
W1779	Suspended Solids	51-1048	6/24	8:50	21	mg/L	
W1779	Suspended Solids	51-1309	8/5	8:50	16	mg/L	
W1779	Suspended Solids	51-1510	8/26	9:06	8.8	mg/L	
W1779	*E. coli*	51-0727	4/29	9:08	1500	CFU/100mL	
W1779	*E. coli*	51-0879	5/27	9:24	70	CFU/100mL	
W1779	*E. coli*	51-1048	6/24	8:50	9700	CFU/100mL	
W1779	*E. coli*	51-1152	7/8	9:05	220	CFU/100mL	
W1779	*E. coli*	51-1309	8/5	8:50	3500	CFU/100mL	
W1779	*E. coli*	51-1510	8/26	9:06	520	CFU/100mL	
W1779	True Color	51-0727	4/29	9:08	27	PCU	
W1779	True Color	51-0879	5/27	9:24	24	PCU	
W1779	True Color	51-1048	6/24	8:50	26	PCU	

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W1779	True Color	51-1309	8/5	8:50	55	PCU	b
W1779	True Color	51-1510	8/26	9:06	<15	PCU	
W1779	Turbidity	51-0727	4/29	9:08	18.0	NTU	
W1779	Turbidity	51-0879	5/27	9:24	4.1	NTU	
W1779	Turbidity	51-1048	6/24	8:50	14.5	NTU	
W1779	Turbidity	51-1309	8/5	8:50	7.5	NTU	
W1779	Turbidity	51-1510	8/26	9:06	4.5	NTU	
W1779	Hardness	51-0936	6/19	9:32	64	mg/L as CaCO3	
W1779	Hardness	51-1196	9/11	13:30	52	mg/L as CaCO3	
W1779	Hardness	51-1573	9/22	10:50	65	mg/L as CaCO3	
W1779	Aluminum - Dissolved	51-0936	6/19	9:32	<20	µg/L	
W1779	Aluminum - Dissolved	51-1196	9/11	13:30	<50	µg/L	h
W1779	Aluminum - Dissolved	51-1573	9/22	10:50	<50	µg/L	
W1779	Antimony - Dissolved	51-0936	6/19	9:32	0.42	µg/L	
W1779	Antimony - Dissolved	51-1196	9/11	13:30	0.30	µg/L	h
W1779	Antimony - Dissolved	51-1573	9/22	10:50	0.40	µg/L	
W1779	Arsenic - Dissolved	51-0936	6/19	9:32	4.3	µg/L	
W1779	Arsenic - Dissolved	51-1196	9/11	13:30	3.3	µg/L	h
W1779	Arsenic - Dissolved	51-1573	9/22	10:50	3.2	µg/L	
W1779	Beryllium - Dissolved	51-0936	6/19	9:32	<0.20	µg/L	
W1779	Beryllium - Dissolved	51-1196	9/11	13:30	<0.20	µg/L	h
W1779	Beryllium - Dissolved	51-1573	9/22	10:50	<0.20	µg/L	
W1779	Cadmium - Dissolved	51-0936	6/19	9:32	0.18	µg/L	
W1779	Cadmium - Dissolved	51-1196	9/11	13:30	0.40	µg/L	h
W1779	Cadmium - Dissolved	51-1573	9/22	10:50	0.35	µg/L	
W1779	Calcium - Dissolved	51-0936	6/19	9:32	20	mg/L	
W1779	Calcium - Dissolved	51-1196	9/11	13:30	17	mg/L	
W1779	Calcium - Dissolved	51-1573	9/22	10:50	21	mg/L	
W1779	Chromium - Dissolved	51-0936	6/19	9:32	0.73	µg/L	
W1779	Chromium - Dissolved	51-1196	9/11	13:30	0.53	µg/L	h
W1779	Chromium - Dissolved	51-1573	9/22	10:50	0.26	µg/L	
W1779	Copper - Dissolved	51-0936	6/19	9:32	5.1	µg/L	
W1779	Copper - Dissolved	51-1196	9/11	13:30	6.4	µg/L	a, h
W1779	Copper - Dissolved	51-1573	9/22	10:50	7.3	µg/L	a, d
W1779	Lead - Dissolved	51-0936	6/19	9:32	0.79	µg/L	
W1779	Lead - Dissolved	51-1196	9/11	13:30	1.2	µg/L	h
W1779	Lead - Dissolved	51-1573	9/22	10:50	<0.14	µg/L	
W1779	Magnesium - Dissolved	51-0936	6/19	9:32	3.4	mg/L	
W1779	Magnesium - Dissolved	51-1196	9/11	13:30	2.7	mg/L	
W1779	Magnesium - Dissolved	51-1573	9/22	10:50	3.4	mg/L	
W1779	Nickel - Dissolved	51-0936	6/19	9:32	4.5	µg/L	
W1779	Nickel - Dissolved	51-1196	9/11	13:30	3.2	µg/L	h

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W1779	Nickel - Dissolved	51-1573	9/22	10:50	3.4	µg/L	
W1779	Selenium - Dissolved	51-0936	6/19	9:32	<2.6	µg/L	
W1779	Selenium - Dissolved	51-1196	9/11	13:30	<2.6	µg/L	h
W1779	Selenium - Dissolved	51-1573	9/22	10:50	<2.6	µg/L	
W1779	Silver - Dissolved	51-0936	6/19	9:32	<0.13	µg/L	
W1779	Silver - Dissolved	51-1196	9/11	13:30	<0.20	µg/L	h
W1779	Silver - Dissolved	51-1573	9/22	10:50	<0.13	µg/L	
W1779	Thallium - Dissolved	51-0936	6/19	9:32	<0.16	µg/L	
W1779	Thallium - Dissolved	51-1196	9/11	13:30	<0.20	µg/L	h
W1779	Thallium - Dissolved	51-1573	9/22	10:50	<0.20	µg/L	h
W1779	Zinc - Dissolved	51-0936	6/19	9:32	12	µg/L	
W1779	Zinc - Dissolved	51-1196	9/11	13:30	17	µg/L	h
W1779	Zinc - Dissolved	51-1573	9/22	10:50	18	µg/L	
W1893	Total Nitrogen	51-0873	5/27	9:50	0.75	mg/L	
W1893	Total Nitrogen	51-1042	6/24	11:35	0.81	mg/L	
W1893	Total Nitrogen	51-1303	8/5	10:40	0.62	mg/L	h
W1893	Total Nitrogen	51-1504	8/26	10:24	0.76	mg/L	
W1893	Nitrate/Nitrite-N	51-0873	5/27	9:50	0.50	mg/L	
W1893	Nitrate/Nitrite-N	51-1042	6/24	11:35	0.40	mg/L	
W1893	Nitrate/Nitrite-N	51-1303	8/5	10:40	0.44	mg/L	
W1893	Nitrate/Nitrite-N	51-1504	8/26	10:24	0.52	mg/L	
W1893	Ammonia-N	51-0873	5/27	9:50	0.03	mg/L	
W1893	Ammonia-N	51-1042	6/24	11:35	0.07	mg/L	
W1893	Ammonia-N	51-1303	8/5	10:40	<0.02	mg/L	
W1893	Ammonia-N	51-1504	8/26	10:24	<0.02	mg/L	
W1893	Total Phosphorus	51-0873	5/27	9:50	0.014	mg/L	
W1893	Total Phosphorus	51-1042	6/24	11:35	0.047	mg/L	
W1893	Total Phosphorus	51-1303	8/5	10:40	0.010	mg/L	h
W1893	Total Phosphorus	51-1504	8/26	10:24	0.008	mg/L	
W1893	Dissolved Reactive Phosphorus	51-0873	5/27	9:50	0.005	mg/L	b, m
W1893	Dissolved Reactive Phosphorus	51-1042	6/24	11:35	0.005	mg/L	m
W1893	Dissolved Reactive Phosphorus	51-1303	8/5	10:40	<0.006	mg/L	h, m
W1893	Dissolved Reactive Phosphorus	51-1504	8/26	10:24	<0.005	mg/L	m
W1893	Suspended Solids	51-0873	5/27	9:50	3.7	mg/L	
W1893	Suspended Solids	51-1042	6/24	11:35	5.6	mg/L	
W1893	Suspended Solids	51-1303	8/5	10:40	2.1	mg/L	
W1893	Suspended Solids	51-1504	8/26	10:24	1.2	mg/L	
W1893	*E. coli*	51-0873	5/27	9:50	160	CFU/100mL	
W1893	*E. coli*	51-1042	6/24	11:35	5500	CFU/100mL	
W1893	*E. coli*	51-1146	7/8	10:15	330	CFU/100mL	
W1893	*E. coli*	51-1303	8/5	10:40	240	CFU/100mL	
W1893	*E. coli*	51-1504	8/26	10:24	100	CFU/100mL	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1893	*E. coli*	51-1584	11/6	10:52	84	MPN/100mL	
W1893	True Color	51-0873	5/27	9:50	<15	PCU	
W1893	True Color	51-1042	6/24	11:35	23	PCU	
W1893	True Color	51-1303	8/5	10:40	32	PCU	d
W1893	True Color	51-1504	8/26	10:24	<15	PCU	
W1893	Turbidity	51-0873	5/27	9:50	1.3	NTU	
W1893	Turbidity	51-1042	6/24	11:35	6.6	NTU	
W1893	Turbidity	51-1303	8/5	10:40	1.6	NTU	
W1893	Turbidity	51-1504	8/26	10:24	1.2	NTU	
W1893	Turbidity	51-1584	11/6	10:52	1.3	NTU	
W1898	Hardness	51-0942	6/19	11:50	54	mg/L as CaCO3	
W1898	Hardness	51-1203	9/12	11:10	45	mg/L as CaCO3	f
W1898	Hardness	51-1580	9/22	13:10	50	mg/L as CaCO3	
W1898	Aluminum - Dissolved	51-0942	6/19	11:50	<20	µg/L	
W1898	Aluminum - Dissolved	51-1203	9/12	11:10	<50	µg/L	f, h
W1898	Aluminum - Dissolved	51-1580	9/22	13:10	<50	µg/L	
W1898	Antimony - Dissolved	51-0942	6/19	11:50	0.35	µg/L	
W1898	Antimony - Dissolved	51-1203	9/12	11:10	0.33	µg/L	f, h
W1898	Antimony - Dissolved	51-1580	9/22	13:10	0.33	µg/L	
W1898	Arsenic - Dissolved	51-0942	6/19	11:50	3.1	µg/L	
W1898	Arsenic - Dissolved	51-1203	9/12	11:10	2.4	µg/L	f, h
W1898	Arsenic - Dissolved	51-1580	9/22	13:10	1.2	µg/L	
W1898	Beryllium - Dissolved	51-0942	6/19	11:50	<0.20	µg/L	
W1898	Beryllium - Dissolved	51-1203	9/12	11:10	<0.20	µg/L	f, h
W1898	Beryllium - Dissolved	51-1580	9/22	13:10	<0.20	µg/L	
W1898	Cadmium - Dissolved	51-0942	6/19	11:50	0.19	µg/L	
W1898	Cadmium - Dissolved	51-1203	9/12	11:10	0.30	µg/L	f, h
W1898	Cadmium - Dissolved	51-1580	9/22	13:10	0.25	µg/L	
W1898	Calcium - Dissolved	51-0942	6/19	11:50	17	mg/L	
W1898	Calcium - Dissolved	51-1203	9/12	11:10	14	mg/L	f
W1898	Calcium - Dissolved	51-1580	9/22	13:10	16	mg/L	
W1898	Chromium - Dissolved	51-0942	6/19	11:50	0.70	µg/L	
W1898	Chromium - Dissolved	51-1203	9/12	11:10	0.43	µg/L	f, h
W1898	Chromium - Dissolved	51-1580	9/22	13:10	0.31	µg/L	h
W1898	Copper - Dissolved	51-0942	6/19	11:50	4.6	µg/L	
W1898	Copper - Dissolved	51-1203	9/12	11:10	5.3	µg/L	a, f, h
W1898	Copper - Dissolved	51-1580	9/22	13:10	3.8	µg/L	a, d
W1898	Lead - Dissolved	51-0942	6/19	11:50	1.0	µg/L	
W1898	Lead - Dissolved	51-1203	9/12	11:10	0.80	µg/L	f, h
W1898	Lead - Dissolved	51-1580	9/22	13:10	0.21	µg/L	
W1898	Magnesium - Dissolved	51-0942	6/19	11:50	2.9	mg/L	
W1898	Magnesium - Dissolved	51-1203	9/12	11:10	2.4	mg/L	f

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1898	Magnesium - Dissolved	51-1580	9/22	13:10	2.7	mg/L	
W1898	Nickel - Dissolved	51-0942	6/19	11:50	3.3	µg/L	
W1898	Nickel - Dissolved	51-1203	9/12	11:10	2.7	µg/L	f, h
W1898	Nickel - Dissolved	51-1580	9/22	13:10	2.3	µg/L	
W1898	Selenium - Dissolved	51-0942	6/19	11:50	<2.6	µg/L	
W1898	Selenium - Dissolved	51-1203	9/12	11:10	<2.6	µg/L	f, h
W1898	Selenium - Dissolved	51-1580	9/22	13:10	<2.6	µg/L	
W1898	Silver - Dissolved	51-0942	6/19	11:50	<0.13	µg/L	
W1898	Silver - Dissolved	51-1203	9/12	11:10	<0.20	µg/L	f, h
W1898	Silver - Dissolved	51-1580	9/22	13:10	<0.13	µg/L	
W1898	Thallium - Dissolved	51-0942	6/19	11:50	<0.16	µg/L	
W1898	Thallium - Dissolved	51-1203	9/12	11:10	<0.20	µg/L	f, h
W1898	Thallium - Dissolved	51-1580	9/22	13:10	<0.20	µg/L	
W1898	Zinc - Dissolved	51-0942	6/19	11:50	9.9	µg/L	
W1898	Zinc - Dissolved	51-1203	9/12	11:10	13	µg/L	f, h
W1898	Zinc - Dissolved	51-1580	9/22	13:10	12	µg/L	
W1902	Total Nitrogen	51-0931	5/26	0:01	16.0	mg/L	f, m
W1902	Total Nitrogen	51-1099	6/23	0:01	12.0	mg/L	f, m
W1902	Total Nitrogen	51-1350	8/4	0:01	7.6	mg/L	f, h, m
W1902	Total Nitrogen	51-1550	8/25	0:01	9.9	mg/L	f, m
W1902	Nitrate/Nitrite-N	51-0931	5/26	0:01	2.0	mg/L	f, m
W1902	Nitrate/Nitrite-N	51-1099	6/23	0:01	4.1	mg/L	f, m
W1902	Nitrate/Nitrite-N	51-1350	8/4	0:01	4.1	mg/L	f, m
W1902	Nitrate/Nitrite-N	51-1550	8/25	0:01	4.9	mg/L	f, m
W1902	Ammonia-N	51-0931	5/26	0:01	11.0	mg/L	f, m
W1902	Ammonia-N	51-1099	6/23	0:01	4.6	mg/L	f, m
W1902	Ammonia-N	51-1350	8/4	0:01	2.3	mg/L	f, m
W1902	Ammonia-N	51-1550	8/25	0:01	3.3	mg/L	f, m
W1902	Total Phosphorus	51-0931	5/26	0:01	1.8	mg/L	f, m
W1902	Total Phosphorus	51-1099	6/23	0:01	3.2	mg/L	f, m
W1902	Total Phosphorus	51-1350	8/4	0:01	0.89	mg/L	f, h, m
W1902	Total Phosphorus	51-1550	8/25	0:01	2.2	mg/L	f, m
W1902	Dissolved Reactive Phosphorus	51-0931	5/26	0:01	1.5	mg/L	f, h, m
W1902	Dissolved Reactive Phosphorus	51-1099	6/23	0:01	2.5	mg/L	f, h, m
W1902	Dissolved Reactive Phosphorus	51-1350	8/4	0:01	0.71	mg/L	f, h, m
W1902	Dissolved Reactive Phosphorus	51-1550	8/25	0:01	0.53	mg/L	f, h, m
W1902	True Color	51-0931	5/26	0:01	19	PCU	f, h, m
W1902	True Color	51-1099	6/23	0:01	19	PCU	f, h, m
W1902	True Color	51-1350	8/4	0:01	56	PCU	f, h, m
W1902	True Color	51-1550	8/25	0:01	17	PCU	f, h, m
W1902	Turbidity	51-0931	5/26	0:01	2.7	NTU	f, h, m
W1902	Turbidity	51-1099	6/23	0:01	13.0	NTU	f, h, m

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W1902	Turbidity	51-1350	8/4	0:01	2.7	NTU	f, h, m
W1902	Turbidity	51-1550	8/25	0:01	4.5	NTU	f, h, m
W1902	Hardness	51-0931	5/26	0:01	85	mg/L	f, h, m
W1902	Hardness	51-1099	6/23	0:01	70	mg/L	f, h, m
W1903	Total Nitrogen	51-0930	5/26	0:01	13.0	mg/L	f, m
W1903	Total Nitrogen	51-1100	6/23	0:01	13.0	mg/L	f, m
W1903	Total Nitrogen	51-1349	8/4	0:01	7.7	mg/L	f, h, m
W1903	Total Nitrogen	51-1551	8/25	0:01	8.6	mg/L	f, m
W1903	Nitrate/Nitrite-N	51-0930	5/26	0:01	0.44	mg/L	f, m
W1903	Nitrate/Nitrite-N	51-1100	6/23	0:01	0.68	mg/L	f, m
W1903	Nitrate/Nitrite-N	51-1349	8/4	0:01	3.6	mg/L	f, m
W1903	Nitrate/Nitrite-N	51-1551	8/25	0:01	4.0	mg/L	f, m
W1903	Ammonia-N	51-0930	5/26	0:01	12.0	mg/L	f, m
W1903	Ammonia-N	51-1100	6/23	0:01	8.2	mg/L	f, m
W1903	Ammonia-N	51-1349	8/4	0:01	3.2	mg/L	f, m
W1903	Ammonia-N	51-1551	8/25	0:01	3.4	mg/L	f, m
W1903	Total Phosphorus	51-0930	5/26	0:01	0.25	mg/L	f, m
W1903	Total Phosphorus	51-1100	6/23	0:01	1.2	mg/L	f, m
W1903	Total Phosphorus	51-1349	8/4	0:01	0.60	mg/L	f, h, m
W1903	Total Phosphorus	51-1551	8/25	0:01	1.8	mg/L	f, m
W1903	Dissolved Reactive Phosphorus	51-0930	5/26	0:01	0.14	mg/L	f, h, m
W1903	Dissolved Reactive Phosphorus	51-1100	6/23	0:01	0.31	mg/L	f, h, m
W1903	Dissolved Reactive Phosphorus	51-1349	8/4	0:01	0.43	mg/L	f, h, m
W1903	Dissolved Reactive Phosphorus	51-1551	8/25	0:01	0.42	mg/L	f, h, m
W1903	True Color	51-0930	5/26	0:01	16	PCU	f, h, m
W1903	True Color	51-1100	6/23	0:01	36	PCU	f, h, m
W1903	True Color	51-1349	8/4	0:01	26	PCU	f, h, m
W1903	True Color	51-1551	8/25	0:01	19	PCU	f, h, m
W1903	Turbidity	51-0930	5/26	0:01	13.0	NTU	f, h, m
W1903	Turbidity	51-1100	6/23	0:01	53.0	NTU	f, h, m
W1903	Turbidity	51-1349	8/4	0:01	5.6	NTU	f, h, m
W1903	Turbidity	51-1551	8/25	0:01	4.3	NTU	f, h, m
W1903	Hardness	51-0930	5/26	0:01	180	mg/L	f, h, m
W1903	Hardness	51-1100	6/23	0:01	140	mg/L	f, h, m
W2062	Total Nitrogen	51-0764	5/1	9:00	1.2	mg/L	
W2062	Total Nitrogen	51-0909	5/29	8:55	1.3	mg/L	
W2062	Total Nitrogen	51-1078	6/26	8:50	0.93	mg/L	
W2062	Total Nitrogen	51-1339	8/7	9:20	0.71	mg/L	h
W2062	Total Nitrogen	51-1540	8/28	8:45	1.0	mg/L	
W2062	Ammonia-N	51-0764	5/1	9:00	0.08	mg/L	
W2062	Ammonia-N	51-0909	5/29	8:55	0.18	mg/L	
W2062	Ammonia-N	51-1078	6/26	8:50	0.07	mg/L	

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W2062	Ammonia-N	51-1339	8/7	9:20	0.04	mg/L	
W2062	Ammonia-N	51-1540	8/28	8:45	0.12	mg/L	
W2062	Total Phosphorus	51-0764	5/1	9:00	0.034	mg/L	
W2062	Total Phosphorus	51-0909	5/29	8:55	0.048	mg/L	
W2062	Total Phosphorus	51-1078	6/26	8:50	0.044	mg/L	
W2062	Total Phosphorus	51-1339	8/7	9:20	0.026	mg/L	b, h
W2062	Total Phosphorus	51-1540	8/28	8:45	0.030	mg/L	
W2062	Suspended Solids	51-0764	5/1	9:00	4.3	mg/L	
W2062	Suspended Solids	51-0909	5/29	8:55	3.6	mg/L	
W2062	Suspended Solids	51-1078	6/26	8:50	6.4	mg/L	
W2062	Suspended Solids	51-1339	8/7	9:20	3.6	mg/L	
W2062	Suspended Solids	51-1540	8/28	8:45	2.9	mg/L	
W2062	*E. coli*	51-0764	5/1	9:00	280	CFU/100mL	
W2062	*E. coli*	51-0909	5/29	8:55	2700	CFU/100mL	
W2062	*E. coli*	51-1078	6/26	8:50	290	CFU/100mL	
W2062	*E. coli*	51-1182	7/10	8:38	3700	CFU/100mL	
W2062	*E. coli*	51-1339	8/7	9:20	300	CFU/100mL	
W2062	*E. coli*	51-1540	8/28	8:45	500	CFU/100mL	
W2062	True Color	51-0764	5/1	9:00	<15	PCU	
W2062	True Color	51-0909	5/29	8:55	18	PCU	
W2062	True Color	51-1078	6/26	8:50	<15	PCU	
W2062	True Color	51-1339	8/7	9:20	39	PCU	
W2062	True Color	51-1540	8/28	8:45	<15	PCU	
W2062	Turbidity	51-0764	5/1	9:00	4.2	NTU	
W2062	Turbidity	51-0909	5/29	8:55	4.3	NTU	
W2062	Turbidity	51-1078	6/26	8:50	5.4	NTU	
W2062	Turbidity	51-1339	8/7	9:20	3.6	NTU	
W2062	Turbidity	51-1540	8/28	8:45	3.5	NTU	
W2062	Hardness	51-0764	5/1	9:00	83	mg/L	
W2062	Hardness	51-0909	5/29	8:55	110	mg/L	
W2062	Hardness	51-0932	6/19	7:50	120	mg/L as CaCO3	
W2062	Hardness	51-1078	6/26	8:50	70	mg/L	
W2062	Hardness	51-1192	9/11	11:50	71	mg/L as CaCO3	
W2062	Hardness	51-1569	9/22	9:20	100	mg/L as CaCO3	
W2062	Aluminum - Dissolved	51-0932	6/19	7:50	<20	µg/L	
W2062	Aluminum - Dissolved	51-1192	9/11	11:50	<50	µg/L	h
W2062	Aluminum - Dissolved	51-1569	9/22	9:20	<50	µg/L	
W2062	Antimony - Dissolved	51-0932	6/19	7:50	0.23	µg/L	
W2062	Antimony - Dissolved	51-1192	9/11	11:50	0.32	µg/L	h
W2062	Antimony - Dissolved	51-1569	9/22	9:20	0.23	µg/L	
W2062	Arsenic - Dissolved	51-0932	6/19	7:50	5.3	µg/L	
W2062	Arsenic - Dissolved	51-1192	9/11	11:50	4.3	µg/L	h

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units	Result Qualifiers*
W2062	Arsenic - Dissolved	51-1569	9/22	9:20	5.4	µg/L	
W2062	Beryllium - Dissolved	51-0932	6/19	7:50	<0.20	µg/L	
W2062	Beryllium - Dissolved	51-1192	9/11	11:50	<0.20	µg/L	h
W2062	Beryllium - Dissolved	51-1569	9/22	9:20	<0.20	µg/L	
W2062	Cadmium - Dissolved	51-0932	6/19	7:50	0.17	µg/L	
W2062	Cadmium - Dissolved	51-1192	9/11	11:50	0.18	µg/L	h
W2062	Cadmium - Dissolved	51-1569	9/22	9:20	0.25	µg/L	
W2062	Calcium - Dissolved	51-0932	6/19	7:50	39	mg/L	
W2062	Calcium - Dissolved	51-1192	9/11	11:50	22	mg/L	
W2062	Calcium - Dissolved	51-1569	9/22	9:20	33	mg/L	
W2062	Chromium - Dissolved	51-0932	6/19	7:50	0.31	µg/L	
W2062	Chromium - Dissolved	51-1192	9/11	11:50	<0.22	µg/L	h
W2062	Chromium - Dissolved	51-1569	9/22	9:20	<0.22	µg/L	
W2062	Copper - Dissolved	51-0932	6/19	7:50	3.4	µg/L	
W2062	Copper - Dissolved	51-1192	9/11	11:50	2.6	µg/L	a, h
W2062	Copper - Dissolved	51-1569	9/22	9:20	2.8	µg/L	a, d
W2062	Lead - Dissolved	51-0932	6/19	7:50	<0.14	µg/L	
W2062	Lead - Dissolved	51-1192	9/11	11:50	<0.14	µg/L	h
W2062	Lead - Dissolved	51-1569	9/22	9:20	<0.14	µg/L	
W2062	Magnesium - Dissolved	51-0932	6/19	7:50	6.1	mg/L	
W2062	Magnesium - Dissolved	51-1192	9/11	11:50	3.6	mg/L	
W2062	Magnesium - Dissolved	51-1569	9/22	9:20	5.4	mg/L	
W2062	Nickel - Dissolved	51-0932	6/19	7:50	6.6	µg/L	
W2062	Nickel - Dissolved	51-1192	9/11	11:50	2.4	µg/L	h
W2062	Nickel - Dissolved	51-1569	9/22	9:20	4.9	µg/L	
W2062	Selenium - Dissolved	51-0932	6/19	7:50	<2.6	µg/L	
W2062	Selenium - Dissolved	51-1192	9/11	11:50	<2.6	µg/L	h
W2062	Selenium - Dissolved	51-1569	9/22	9:20	<2.6	µg/L	
W2062	Silver - Dissolved	51-0932	6/19	7:50	<0.13	µg/L	
W2062	Silver - Dissolved	51-1192	9/11	11:50	<0.20	µg/L	h
W2062	Silver - Dissolved	51-1569	9/22	9:20	<0.13	µg/L	
W2062	Thallium - Dissolved	51-0932	6/19	7:50	<0.16	µg/L	
W2062	Thallium - Dissolved	51-1192	9/11	11:50	<0.20	µg/L	h
W2062	Thallium - Dissolved	51-1569	9/22	9:20	<0.20	µg/L	
W2062	Zinc - Dissolved	51-0932	6/19	7:50	13	µg/L	
W2062	Zinc - Dissolved	51-1192	9/11	11:50	6.8	µg/L	h
W2062	Zinc - Dissolved	51-1569	9/22	9:20	9.0	µg/L	

*A list of qualifiers is included in Appendix 1.

Table 9. The 2008 MassDEP DWM Blackstone River Watershed water quality data for lake and impoundment stations.

Unique ID	Analyte	Sample OWMID	Sample Date	Sample Time	Result	Units
W0668	Total Phosphorus	51-1381	8/6	12:17	0.44	mg/L
W0668	Total Phosphorus	51-1403	8/27	10:00	**	mg/L
W0668	Total Reactive Phosphorus	51-1381	8/6	12:17	0.36	mg/L
W0668	Total Reactive Phosphorus	51-1403	8/27	10:00	0.73	mg/L
W0669	Total Phosphorus	51-1377	8/6	10:30	0.47	mg/L
W0669	Total Phosphorus	51-1399	8/27	8:50	**	mg/L
W0669	Total Reactive Phosphorus	51-1377	8/6	10:30	0.38	mg/L
W0669	Total Reactive Phosphorus	51-1399	8/27	8:50	1.1	mg/L
W1764	Total Phosphorus	51-1383	8/6	15:00	0.34	mg/L
W1764	Total Phosphorus	51-1405	8/27	12:38	**	mg/L
W1764	Total Reactive Phosphorus	51-1383	8/6	15:00	0.25	mg/L
W1764	Total Reactive Phosphorus	51-1405	8/27	12:38	0.56	mg/L
W1901	Total Phosphorus	51-1382	8/6	14:18	0.47	mg/L
W1901	Total Phosphorus	51-1402	8/27	11:52	**	mg/L
W1901	Total Reactive Phosphorus	51-1382	8/6	14:18	0.36	mg/L
W1901	Total Reactive Phosphorus	51-1402	8/27	11:52	0.74	mg/L
W2063	Total Phosphorus	51-1380	8/6	16:00	0.36	mg/L
W2063	Total Phosphorus	51-1404	8/27	13:50	**	mg/L
W2063	Total Reactive Phosphorus	51-1380	8/6	16:00	0.25	mg/L
W2063	Total Reactive Phosphorus	51-1404	8/27	13:50	0.48	mg/L

Table 10. Geometric means* of the 2008 *E. coli* results for each DWM Blackstone River Watershed sampling station.

Unique ID	Number of Samples	Geometric Mean
W0499	6	4,203
W0502	7	596
W0504	6	527
W0505	7	458
W0508	6	110
W0514	6	85
W0680	1	
W1017	6	324
W1018	7	61
W1022	6	330
W1023	6	206
W1025	6	44
W1240	7	643
W1241	6	304
W1242	6	314
W1243	6	331
W1244	6	1,727

Unique ID	Number of Samples	Geometric Mean
W1246	6	616
W1255	7	392
W1256	1	
W1282	6	343
W1426	6	128
W1428	6	59
W1432	6	92
W1439	6	35
W1753	6	190
W1755	6	60
W1756	6	151
W1758	6	102
W1759	6	110
W1760	6	164
W1761	6	79
W1762	6	1,029
W1763	6	287
W1764	6	1,344
W1765	6	378
W1766	6	183
W1767	6	179
W1768	6	88
W1769	6	268
W1770	6	33
W1771	6	203
W1772	6	685
W1779	6	861
W1893	6	289
W2062	6	704

*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. A geometric mean was not provided for sites with only a single sample collected.

Table 11. The 2008 MassDEP DWM Blackstone 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 Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W0502	51-0821	5/23	15:31	0.2		16.5		7.3		386		247		9.4		98.8	
W0502	51-0822	5/27	11:41	0.2		18.7		7.0		471		301		8.6		94.4	
W0502	51-0990	6/23	16:59	0.2		21.1		6.9		230		147		8.3		94.2	
W0502	51-0991	6/25	11:31	0.3		21.7		7.2		326		208		8.3		94.9	
W0502	51-1251	8/4	15:57	--		24.2		7.2		307		196		8.2		99.6	
W0502	51-1252	8/6	12:41	0	i	20.7		6.9		209		134		8.1	i	91.8	i
W0502	51-1452	8/25	16:38	--		22.5		7.6		378		242		8.0	i	94.2	i
W0502	51-1453	8/27	12:44	--		19.2		7.3		404		258		8.5		92.9	
W0502	51-1592	5/27	11:41	0.2		18.7		7.0		471		301		8.6		94.4	
W0505	51-0720	4/29	10:43	0.578		11.8		6.9		429		279		9.9		91.9	
W0505	51-0921	5/27	10:22	0.2		17.6		6.9		745	c	477	c	7.2		77.4	
W0505	51-1090	6/24	10:06	0.4		20.4		6.9		377		241		7.8		87.5	
W0505	51-1353	8/5	9:49	0.6		21.9		6.9		597		382		6.2		72.3	
W0505	51-1554	8/26	11:06	--		20.9		7.0		712		455		6.4		73.3	
W0508	51-0756	5/1	9:37	0.254		9.4		6.5		287		187		10.9		95.5	
W0508	51-0927	5/29	9:44	0.1		15.0		6.5		360		230		8.5		84.9	
W0508	51-1096	6/26	9:32	0.1		18.9		6.8		394	i	252	i	8.1		88.7	
W0508	51-1359	8/7	9:46	0.5		19.2		6.8		371		238		7.6		84.3	
W0508	51-1560	8/28	10:04	0.26		17.3		6.8		437		284		8.9		92.3	
W0514	51-0760	5/1	10:53	0.214		10.9		6.5		214		139		11.4		103.5	
W0514	51-0928	5/29	11:08	0.1		15.1		6.4		270		173		8.9		88.9	
W0514	51-1097	6/26	10:57	0.2		19.4		6.5		242	i	155	i	7.7		85.1	
W0514	51-1115	6/26	10:40	--		19.4	s	--		--		--		--		--	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W0514	51-1116	10/15	10:47	--		12.5	s	--		--		--		--		--	
W0514	51-1360	8/7	10:55	0.2		19.4		6.6		288		184		7.5		82.8	
W0514	51-1561	8/28	11:27	0.015		15.6		6.5		350		227		8.0		80.4	
W0515	51-0857	5/23	13:57	0.4		16.0		6.5		233		149		9.5		99	
W0515	51-0858	5/28	11:36	0.2		18.8		6.5		245		157		7.7		83.1	
W0515	51-1029	6/23	14:43	0.2		22.2		6.3		277		177		5.8	i	67.3	i
W0515	51-1030	6/25	11:16	0.4		20.7		6.2		284		182		5.4		61	
W0515	51-1290	8/4	15:54	0.6		24.2		6.2		266		170		4.6		56.4	
W0515	51-1291	8/6	12:42	--		21.4		6.3		269		172		3.7		42.1	
W0515	51-1491	8/25	15:56	--		22.5		6.4		240		154		5.5		64.2	
W0515	51-1492	8/27	13:08	--		20.4		6.4		241		154		5.5		62.1	
W0668	51-1369	8/4	12:48	2.146		23.1		7.1		474		308		8.1		94.4	
W0668	51-1370	8/6	12:21	0.45		21.7		7.1		557		362		7.1		81.4	
W0668	51-1391	8/25	12:00	2.042		21.5		7.1		629		409		7.3	u	83.3	u
W0668	51-1392	8/27	10:07	1.036		19.3		7.3		630		410		8.1		88.2	
W0669	51-1363	8/4	9:48	1.059		21.9		7.0		467		303		7.2		82.6	
W0669	51-1364	8/6	10:40	0.382		20.9		7.1		597		388		6.7		75.6	
W0669	51-1385	8/25	10:40	1.266		21.0		7.0		672		437		6.1		68	
W0669	51-1386	8/27	8:53	0.558		18.4		7.0		705		458		6.0		64.2	
W0680	51-0818	5/23	15:07	0.3		16.0		7.3		517		331		9.3		96.4	
W0680	51-0819	5/28	12:16	0.3		18.0		7.1		547		350		8.9		95.6	
W0680	51-0987	6/23	16:25	0.8		20.7		6.7		167		107		8.0		91	
W0680	51-0988	6/25	11:07	0.5		21.3		7.2		373		239		8.3		94.5	
W0680	51-1248	8/4	15:29	--		24.0		7.3		454		290		7.9		96.3	
W0680	51-1249	8/6	12:19	0.3		21.2		7.0		328	u	210	u	8.1	i	92.4	i

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W0680	51-1449	8/25	16:06	--		22.0		7.3		576		369		7.6	i	88.6	i
W0680	51-1450	8/27	11:58	--		19.7		7.4		582		372		8.8		97.7	
W0767	51-0803	5/23	12:15	0.5		15.5		7.2		586		375		8.6		88.4	
W0767	51-0804	5/28	9:12	0.5		17.3		6.9		655		419		6.5		68.8	
W0767	51-0972	6/23	13:28	0.7		21.4		7.0		605		387		6.9		78.9	
W0767	51-0973	6/25	8:45	0.4		20.6		7.1		478		306		7.8		86.8	
W0767	51-1233	8/4	13:05	--		23.6		7.2		487		312		8.1		97.2	
W0767	51-1234	8/6	9:34	0.7		21.9		7.1		548		351		7.3	i	84.4	i
W0767	51-1434	8/25	12:46	--		22.6		7.4		601		385		8.1	i	95.8	i
W0767	51-1435	8/27	9:01	--		18.9		7.1		628		402		7.5		80.2	
W1017	51-0714	4/29	9:43	0.451		11.3		7.0		355		231		11.3		103.1	
W1017	51-0920	5/27	9:03	0.2		17.1		7.1		718	c	460	c	8.4		89.4	
W1017	51-1089	6/24	8:56	0.4		20.5		7.1		372		238		8.7		97.9	
W1017	51-1352	8/5	8:54	0.4		21.7		7.2		556		356		7.9		91.3	
W1017	51-1553	8/26	9:23	--		19.3		7.2		704		451		8.1		89.4	
W1018	51-0806	5/23	12:45	0.3		17.0		7.5		559		358		10.4		110.2	
W1018	51-0807	5/28	9:43	0.3		18.8		7.1		579		371		8.8		95.3	
W1018	51-0975	6/23	13:55	0.3		22.3		7.0		478		306		6.8		79	
W1018	51-0976	6/25	9:12	0.5		21.7		6.8		527		338		7.1		80.8	
W1018	51-1236	8/4	11:17	--		24.6		7.0		511		327		7.2		87.9	
W1018	51-1237	8/6	10:01	0.3		23.1		6.9		497		318		6.7	i	79.2	i
W1018	51-1440	8/25	13:53	--		23.9		7.2		484		310		7.6	i	93.2	i
W1018	51-1441	8/27	9:35	--		19.9		7.0		492		315		7.3		80.9	
W1022	51-0753	5/1	9:02	0.466		7.9		6.5		283		184		10.7		90	
W1022	51-0926	5/29	9:00	0.4		13.0		6.5		363		232		8.6		82.3	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1022	51-1095	6/26	8:55	0.3		18.4		6.8		376	i	241	i	7.6		82.8	
W1022	51-1118	6/26	11:15	--		19.0	s	--		--		--		--		--	
W1022	51-1119	10/15	11:24	--		13.1	s	--		--		--		--		--	
W1022	51-1358	8/7	9:15	0.6		18.5		6.8		371		237		7.4		81.1	
W1022	51-1559	8/28	9:28	0.155		15.5		6.9		415		270		8.8		88.6	
W1023	51-0851	5/23	12:15	2.3		14.9		6.8		379	u	243	u	8.5		85.9	
W1023	51-0852	5/28	9:46	2		18.5		6.8		395	u	253	u	7.8		84.4	
W1023	51-1020	6/23	13:00	0.6		22.6		7.0		457		292		8.0	i	94.4	i
W1023	51-1021	6/25	9:27	1		20.9		6.9		374		239		7.0		79.2	
W1023	51-1281	8/4	13:47	0.4		24.1		7.1		364		233		7.6		91.8	
W1023	51-1282	8/6	10:42	--		22.6		7.3		410		262		7.9		92.4	
W1023	51-1482	8/25	14:16	--		23.1		7.7		438		280		9.4		111.2	
W1023	51-1483	8/27	10:33	--		20.3		7.5		455		292		9.1		101.7	
W1025	51-0827	5/19	8:42	0.4		14.0		--		--		--		9.9	i	99.1	i
W1025	51-0828	5/23	8:40	0.4		12.6		6.8		157		100		9.9		95.2	
W1025	51-0996	6/20	9:26	0.1		20.0		6.7		154		99		8.1		90.1	
W1025	51-0997	6/23	9:03	0.2		21.7		6.4		162		104		7.4		85.7	
W1025	51-1257	8/1	8:58	--		23.7		6.6		123		79		7.3		88.5	
W1025	51-1258	8/4	9:09	0.3		22.7		6.6		117		75		7.7		90.4	
W1025	51-1458	8/22	9:33	--		19.6		6.7		104		67		8.3		91.1	
W1025	51-1459	8/25	9:33	--		22.1		6.7		131		84		7.8		90.9	
W1240	51-0815	5/23	14:23	0.1		15.7		7.2		529		338		8.6		89	
W1240	51-0816	5/28	11:24	0.3		17.3		6.9		508		325		7.0		73.8	
W1240	51-0981	6/23	15:44	0.4		20.6		6.6		161		103		7.9		89	
W1240	51-0982	6/25	10:14	0.1		20.2		6.8		595		381		7.0		77.3	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1240	51-1245	8/4	14:53	--		23.7		7.2		394		252		7.3		88.2	
W1240	51-1246	8/6	11:44	0	i	21.0		7.0		350		224		7.4	i	84.1	i
W1240	51-1446	8/25	15:33	--		22.1		7.2		588		376		6.6	i	76.6	i
W1240	51-1447	8/27	11:12	--		18.9		7.2		610		390		7.3		79.1	
W1241	51-0711	4/29	9:01	0.178		11.1		6.8		340		221		11.2		101.5	
W1241	51-0919	5/27	8:21	0.5		17.2		6.9		685		438		7.6		80.2	
W1241	51-1088	6/24	8:17	0.2		20.1		7.0		360		231		8.7		97.2	
W1241	51-1351	8/5	8:17	0.6		21.6		7.1		555		355		7.7		89.2	
W1241	51-1552	8/26	8:36	--		19.2		7.1		675		432		8.1		88.9	
W1242	51-0734	4/29	10:53	0.3		11.9		6.9		377		242		10.1		96.3	
W1242	51-0924	5/27	11:09	0.2		18.7		7.1		639		409		7.9		86.1	
W1242	51-1093	6/24	10:20	0.339		20.8		7.2		390		254		9.1		101.4	
W1242	51-1356	8/5	11:04	--		22.8		7.2		537		344		7.9		92.9	
W1242	51-1557	8/26	10:34	--		20.4		7.3		619		396		8.1		90.9	
W1243	51-0732	4/29	10:28	0.4		11.9		6.9		377		242		10.1		96.1	
W1243	51-0923	5/27	10:48	0.4		18.9		7.0		637		407		7.9		86.8	
W1243	51-1092	6/24	10:03	0.121		20.8		7.1		392		255		9.0		101.1	
W1243	51-1355	8/5	10:38	--		22.7		7.2		537		344		8.0		94.9	
W1243	51-1556	8/26	10:16	--		20.6		7.3		617		395		8.3		94	
W1244	51-0800	5/23	11:49	0.5		14.7		7.0		569		364		7.2		72.6	
W1244	51-0801	5/28	8:41	0.5		18.1		6.7		618		395		5.3		56.4	
W1244	51-0969	6/23	13:04	0.1		22.2		7.1		632		404		7.4		86.3	
W1244	51-0970	6/25	8:18	0.3		20.8		7.0		459		294		7.8		88	
W1244	51-1230	8/4	12:23	--		23.4		7.1		469		300		7.3		87.3	
W1244	51-1231	8/6	9:06	0.3		22.4		7.0		525		336		6.3	i	73.4	i

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1244	51-1431	8/25	12:13	--		22.3		7.2		585		374		7.0	i	81.8	i
W1244	51-1432	8/27	8:29	--		20.0		7.0		616		394		6.4		71.4	
W1255	51-0812	5/23	13:52	0.3		16.0		7.2		696		445		8.1		84	
W1255	51-0813	5/28	10:53	0.4		17.5		6.9		629		402		7.0		74.4	
W1255	51-0984	6/23	15:18	1.1		20.3		6.6		318		204		6.8		76.2	
W1255	51-0985	6/25	10:39	0.2		20.8		7.1		396		253		6.9		78	
W1255	51-1242	8/4	14:27	--		22.1		6.9		600		384		6.9		80.4	
W1255	51-1243	8/6	11:20	0.6		20.8		6.7		538		344		6.3	i	71.2	i
W1255	51-1443	8/25	15:09	--		21.8		6.9		730	c	467	c	6.1	i	70.9	i
W1255	51-1444	8/27	10:47	--		20.4		6.9		711		455		6.8		75.9	
W1282	51-0779	5/19	8:46	0.4		10.9		--		--		--		10.0		94.2	
W1282	51-0780	5/23	8:21	0.4		10.4		7.5		751	c	481	c	10.3		94.3	
W1282	51-0948	6/20	9:44	0.2		15.6		7.6		950	c	608	c	9.2		94.6	
W1282	51-0949	6/23	9:25	0.3		18.7		6.8		126	u	81	u	9.0		98.1	
W1282	51-1209	8/1	9:15	0.3		21.1		7.6		500		320		8.2		95.3	
W1282	51-1210	8/4	8:49	--		19.8		7.7		565		362		8.6		95.8	
W1282	51-1410	8/22	8:51	--		17.1		7.7		663		424		9.1		96	
W1282	51-1411	8/25	8:32	--		18.5		7.6		689		441		8.1	i	87.5	i
W1432	51-0794	5/19	11:22	0.2		15.9		--		--		--		9.2		96.6	
W1432	51-0795	5/23	10:45	0.1		16.2		6.9		270		173		9.2		96.2	
W1432	51-0963	6/20	13:22	0.1		23.4		6.5		321		205		6.5		77.7	
W1432	51-0964	6/23	12:14	0.2		21.6		6.3		297		190		4.8		55.5	
W1432	51-1112	6/26	10:30	--		22.6	s	--		--		--		--		--	
W1432	51-1113	10/15	10:21	--		13.9	s	--		--		--		--		--	
W1432	51-1224	8/1	11:51	0.4		25.4		6.9		282		180		6.8		85.1	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1432	51-1225	8/4	11:39	--		23.9		6.9		287		183		7.6		91.6	
W1432	51-1425	8/22	11:22	--		20.9		6.7		220		141		8.1		91.4	
W1432	51-1426	8/25	11:14	--		21.9		6.7		242		155		7.3	i	84.9	i
W1432	51-1591	10/17	14:34	--		14.0	s	--		--		--		--		--	
W1439	51-0797	5/19	11:41	0.2		11.2		--		--		--		10.1		95.2	
W1439	51-0798	5/23	11:15	0.2		10.8		6.5		143		92		10.2		94.7	
W1439	51-0966	6/20	12:59	0.1		16.7		6.6		170		109		8.4		88	
W1439	51-0967	6/23	12:32	0.2		18.9		6.3		124	u	80	u	7.7		84.2	
W1439	51-1227	8/1	12:09	0.2		21.1		6.5		166		107		7.3		83.8	
W1439	51-1228	8/4	11:55	--		19.4		6.6		173		111		7.9		87.6	
W1439	51-1428	8/22	11:39	--		16.9		6.4		143		92		8.7		89.6	
W1439	51-1429	8/25	11:32	--		18.4		6.5		150		96		7.8	i	84.4	i
W1596	51-0833	5/19	9:55	1		15.2		--		--		--		7.7	i	79.7	i
W1596	51-0834	5/23	9:28	0.4		13.4		6.7		444		284		7.7		75.6	
W1596	51-1002	6/20	11:01	0.4		20.1		7.0		476		305		7.0		78.8	
W1596	51-1003	6/23	9:50	0.6		21.4		6.6		541		346		4.1	u	46.8	u
W1596	51-1263	8/1	10:14	--		23.9		7.0		439		281		6.8		82.5	
W1596	51-1264	8/4	10:04	0.4		22.8		6.9		380		243		6.7		79.3	
W1596	51-1464	8/22	10:35	--		19.9		7.0		447		286		7.3		80.7	
W1596	51-1465	8/25	10:25	--		21.6		7.1		489		313		7.2		83.5	
W1753	51-0782	5/19	9:11	0.2		11.3		--		--		--		10.3		97.7	
W1753	51-0783	5/23	8:38	0.2		10.6		7.4		547		350		10.6		98.2	
W1753	51-0951	6/20	10:10	0.1		16.0		7.3		558		357		9.4		97.2	
W1753	51-0952	6/23	9:48	0.1		18.6		6.6		168		107		8.3		89.6	
W1753	51-1103	6/26	8:45	--		17.1	s	--		--		--		--		--	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1753	51-1104	10/15	9:05	--		12.4	s	--		--		--		--		--	
W1753	51-1212	8/1	9:42	0.4		19.4		7.1		368		235		8.3		92.4	
W1753	51-1213	8/4	9:11	--		18.5		7.4		487		312		8.9		97.3	
W1753	51-1413	8/22	9:12	--		15.8		7.4		609		390		9.5		96.6	
W1753	51-1414	8/25	8:52	--		17.4		7.3		569		364		8.4	i	89.3	i
W1755	51-0830	5/19	9:08	0.2		13.0		--		--		--		10.4	i	101.7	i
W1755	51-0831	5/23	9:04	0.3		12.0		6.2		208		133		10.1		96.1	
W1755	51-0999	6/20	10:01	0	i	17.9		6.5		228		146		8.7		93.4	
W1755	51-1000	6/23	9:25	0.1		19.7		6.0		258		165		8.4		93.2	
W1755	51-1260	8/1	9:41	--		21.8		6.5		231		148		7.9		92.2	
W1755	51-1261	8/4	9:35	0.2		20.1		6.5		257		164		8.3		93.4	
W1755	51-1461	8/22	9:58	--		18.7		6.4		232		149		8.6		92.4	
W1755	51-1462	8/25	9:55	--		20.8		6.4		232		149		8.2		93.8	
W1756	51-0842	5/19	11:40	0.2		12.0		--		--		--		10.3	i	99.3	i
W1756	51-0843	5/23	10:49	0.1		11.4		6.6		549	u	351	u	10.1		95	
W1756	51-1011	6/20	13:08	0.1		16.0		6.7		647	u	414	u	8.2		84.8	
W1756	51-1012	6/23	11:18	0.2		16.8		6.3		783	c	501	c	7.1	u	74.9	u
W1756	51-1272	8/1	11:54	--		19.5		6.7		699		449		8.1		90.4	
W1756	51-1273	8/4	11:35	0	i	18.7		6.7		708		453		8.2		90.1	
W1756	51-1473	8/22	12:00	--		16.5		6.7		627		402		8.7		89.8	
W1756	51-1474	8/25	11:52	--		17.6		6.7		664		425		8.6		92.1	
W1758	51-0788	5/19	10:00	0.1		14.6		--		--		--		9.6		97.5	
W1758	51-0789	5/23	9:21	0.1		14.4		7.1		493		316		9.6		96.2	
W1758	51-0957	6/20	11:16	0.1		21.6		7.1		543		348		7.7		89.2	
W1758	51-0958	6/23	11:05	0.3		22.0		7.1		474		304		7.9		91.4	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1758	51-1218	8/1	10:38	0.4		23.6		6.7		397		254		7.1		86.4	
W1758	51-1219	8/4	10:05	--		22.5		6.7		421		270		6.7		79.4	
W1758	51-1419	8/22	10:10	--		20.4		6.9		460		294		7.0		77.9	
W1758	51-1420	8/25	9:56	--		21.9		6.9		476		305		6.4	i	74.9	i
W1759	51-0770	5/1	10:59	0.335		10.2		6.4		251		163		11.0		97.6	
W1759	51-0929	5/29	10:53	0.1		13.7		6.6		232		148		8.7		84.7	
W1759	51-1098	6/26	10:44	0.2		19.3		6.5		290	i	185	i	7.1		78.6	
W1759	51-1361	8/7	11:04	--		19.6		6.6		273		175		7.1		79.6	
W1760	51-0839	5/19	11:00	0.3		11.8		--		--		--		10.3	i	98.9	i
W1760	51-0840	5/23	10:22	0.2		10.2		6.5		304		195		9.9		90.6	
W1760	51-1008	6/20	12:14	0.1		14.6		6.5		351		224		8.2		81.6	
W1760	51-1009	6/23	10:48	0.2		16.2		6.2		367		235		7.8		80.3	
W1760	51-1269	8/1	11:19	--		19.0		6.4		347		222		7.0		78.1	
W1760	51-1270	8/4	11:05	0.1		18.0		6.5		352		226		7.5		80.9	
W1760	51-1470	8/22	11:27	--		15.1		6.6		339		217		8.5		84.5	
W1760	51-1471	8/25	11:23	--		16.5		6.6		368		235		8.1		84.4	
W1761	51-0785	5/19	9:33	0.1		11.7		--		--		--		9.8		93.8	
W1761	51-0786	5/23	8:56	0.1		10.9		7.2		257		165		10.5	u	97.5	u
W1761	51-0954	6/20	10:41	0.2		15.6		7.4		247		158		9.6		98	
W1761	51-0955	6/23	10:11	0.1		16.3		6.9		##	u	##	u	8.9		92	
W1761	51-1106	6/26	9:05	--		17.6	s	--		--		--		--		--	
W1761	51-1107	10/15	9:21	--		12.5	s	--		--		--		--		--	
W1761	51-1215	8/1	10:07	0.3		20.0		7.1		221		141		8.0		90	
W1761	51-1216	8/4	9:39	--		19.4		7.2		238		152		8.2		91.4	
W1761	51-1416	8/22	9:36	--		16.2		7.3		242		155		9.0		92.2	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1761	51-1417	8/25	9:14	--		18.0		7.3		233		149		8.2	i	88.1	i
W1762	51-0836	5/19	10:21	0.1		13.5		--		--		--		10.1	i	100.3	i
W1762	51-0837	5/23	9:49	0.1		12.0		6.7		194		124		10.0		94.9	
W1762	51-1005	6/20	11:32	0	i	17.2		7.1		304		194		8.8		92.6	
W1762	51-1006	6/23	10:18	0.1		18.0		6.8		329		211		8.2		87.9	
W1762	51-1266	8/1	10:42	--		21.6		7.1		225		144		7.8		91	
W1762	51-1267	8/4	10:32	0.1		19.8		7.2		300		192		8.1		90.3	
W1762	51-1467	8/22	11:01	--		17.8		7.1		212		136		8.9		93.7	
W1762	51-1468	8/25	10:53	--		18.7		7.2		296		189		8.6		93.7	
W1763	51-0809	5/23	13:16	0.6		16.5		7.3		651		417		8.3		86.8	
W1763	51-0810	5/28	10:13	0.2		17.0		7.0		602		385		7.6		79.6	
W1763	51-0978	6/23	14:26	1		19.9		6.7		297		190		7.2		79.9	
W1763	51-0979	6/25	9:43	0.2		20.5		7.1		466		298		7.7		85.5	
W1763	51-1239	8/4	13:38	--		23.2		7.2		515		329		7.6		90.2	
W1763	51-1240	8/6	10:29	0.5		21.0		7.0		529		339		7.1	i	80.8	i
W1763	51-1437	8/25	14:29	--		22.5		7.1		682		436		6.4	i	74.9	i
W1763	51-1438	8/27	10:08	--		19.0		7.1		705		451		6.9		74.7	
W1764	51-0730	4/29	9:49	0.2		11.7		6.7		389		249		9.3		87.6	
W1764	51-0922	5/27	10:19	0.5		18.5		6.8		607		388		5.3		57.7	
W1764	51-1091	6/24	9:39	1.335		20.5		6.7		375		244		7.7		85.8	
W1764	51-1354	8/5	10:03	--		23.0		7.0		499		320		6.4		76	
W1764	51-1375	8/4	16:43	1.446		24.0		7.2		480		312		8.2		97.9	
W1764	51-1376	8/6	15:12	0.29		22.1		7.2		530		345		7.1		81.1	
W1764	51-1397	8/25	14:32	1.206		22.3		7.2		585		380		7.6		87.6	
W1764	51-1398	8/27	12:43	1.001		20.6		7.2		629		409		7.3		81.7	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1764	51-1555	8/26	9:41	--		20.9		7.1		603		387		6.4		73.1	
W1765	51-0744	4/29	11:34	0.3		12.4		6.8		359		230		9.0		87	
W1765	51-0925	5/27	9:53	0.5		18.3		6.7		491		314		7.3		79.5	
W1765	51-1094	6/24	10:48	0.3		20.9		6.7		340		218		7.1	i	80.8	I
W1765	51-1357	8/5	10:39	0.225		22.7		7.1		442		288		7.4		86	
W1765	51-1558	8/26	10:44	0.606		20.3		7.2		506		329		8.8		97.4	
W1766	51-0854	5/23	12:41	1.1		14.5		6.7		442		283		7.6		76.5	
W1766	51-0855	5/28	10:16	0.4		19.0		6.7		478		306		6.4		69.6	
W1766	51-1023	6/23	13:33	1.2		22.2		6.8		533		341		6.9	u, i	80.5	u, i
W1766	51-1024	6/25	10:03	1.1		20.9		6.8		390		249		6.8		76.5	
W1766	51-1284	8/4	14:27	0.9		23.8		7.0		384		246		6.9		83.4	
W1766	51-1285	8/6	11:13	--		22.6		7.0		432		277		6.6		77.8	
W1766	51-1485	8/25	14:47	--		22.4		7.3		487		312		8.8		103.2	
W1766	51-1486	8/27	11:04	--		20.8		7.5		498		319		9.6		108.1	
W1767	51-0824	5/19	8:09	0.3		12.6		--		--		--		10.2	i	99.4	i
W1767	51-0825	5/23	7:55	0.1		11.8		6.8		190		122		9.9		93.9	
W1767	51-0993	6/20	8:48	0.1		18.3		7.0		210		135		8.3		89.7	
W1767	51-0994	6/23	8:35	0.2		20.4		6.5		209		134		7.5		84	
W1767	51-1254	8/1	8:17	--		23.7		7.0		155		100		7.5		90.8	
W1767	51-1255	8/4	8:33	0.2		23.0		7.0		154		99		7.5		89	
W1767	51-1455	8/22	9:06	--		19.8		7.1		182		117		8.3		90.7	
W1767	51-1456	8/25	9:05	--		21.8		7.1		181		116		7.9		91.9	
W1768	51-0863	5/23	14:23	0.2		13.0		6.1		491		315		9.3		91	
W1768	51-0864	5/28	12:11	0.3		12.8		6.3		583	u	373	u	9.1		86.6	
W1768	51-1032	6/23	15:11	0.6		15.9	u	5.9		752	c	481	c	1.9	i	19.9	i

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1768	51-1033	6/25	11:46	0.5		16.0		6.1		773	c	494	c	4.2	u	42.9	u
W1768	51-1293	8/4	16:26	0.4		18.8	u	6.1		793	c	507	c	2.1		23.5	
W1768	51-1294	8/6	13:08	--		18.3		6.3		756	c	484	c	2.9	u	31.4	u
W1768	51-1494	8/25	16:28	--		17.0		6.3		735	c	471	c	4.9	u	51.2	u
W1768	51-1495	8/27	13:48	--		15.7		6.1		661	u	423	u	2.8	u	28.8	u
W1769	51-0791	5/19	10:45	0.2		13.5		--		--		--		9.0		89.6	
W1769	51-0792	5/23	10:04	0.2		12.1		6.9		196		126		9.7		92.2	
W1769	51-0960	6/20	12:17	0.4		17.5		6.9		220		141		8.5		90	
W1769	51-0961	6/23	11:44	0.6		18.5		6.6		134		86		6.9		75.2	
W1769	51-1109	6/26	9:50	--		17.4	s	--		--		--		--		--	
W1769	51-1110	10/15	9:56	--		11.4	s	--		--		--		--		--	
W1769	51-1221	8/1	11:18	0.5		19.7		6.8		255		163		6.8		76.1	
W1769	51-1222	8/4	10:51	--		17.9		6.9		262		168		7.9		85.5	
W1769	51-1422	8/22	10:49	--		15.0		7.0		283		181		8.5		84.7	
W1769	51-1423	8/25	10:38	--		17.4		7.0		296		189		7.4	i	77	i
W1770	51-0860	5/23	13:13	0.8		16.5		6.8		125		80		9.4		98.9	
W1770	51-0861	5/28	10:55	0.7		18.0		6.8		130		83		9.2		97.8	
W1770	51-1026	6/23	14:03	0.5		23.6		6.8		168		108		7.5	i	89.8	i
W1770	51-1027	6/25	10:36	0.4		22.8		6.9		168		108		8.2		96.1	
W1770	51-1287	8/4	15:01	0.3		26.8		7.2		178		114		7.8		99.4	
W1770	51-1288	8/6	11:57	--		23.7		7.0		172		110		7.6		91.7	
W1770	51-1488	8/25	15:18	--		25.6		7.1		138		88		8.0		99.6	
W1770	51-1489	8/27	11:36	--		22.3		7.1		142		91		8.1		94.6	
W1771	51-0848	5/23	11:37	0.2		15.9		7.1		304		195		9.6		99.4	
W1771	51-0849	5/28	9:18	0.2		17.4		7.0		323		207		9.2		96.8	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1771	51-1017	6/23	12:05	0.2		22.7		7.0		354		227		8.1	i	95.3	i
W1771	51-1018	6/25	9:01	0.1		21.9		7.2		352		225		8.3		95.2	
W1771	51-1278	8/4	13:05	0.2		25.9		7.1		334		214		7.6		95.8	
W1771	51-1279	8/6	10:13	--		22.7		7.0		298		191		7.7		90.1	
W1771	51-1479	8/25	13:51	--		24.6		7.2		309		198		7.8		95.7	
W1771	51-1480	8/27	10:06	--		20.9		7.1		328		210		8.4		95.1	
W1772	51-0845	5/23	11:12	0.4		12.3		6.5		369		236		8.3		79.4	
W1772	51-0846	5/28	8:49	0.3		16.3		6.4		393		252		5.7		58.8	
W1772	51-1014	6/23	11:41	0.2		19.0		6.2		458		293		5.0	i	54.5	i
W1772	51-1015	6/25	8:27	0.3		17.8		6.4		458		293		5.0		52.5	
W1772	51-1275	8/4	12:34	0.4		20.8		6.5		404		259		5.0		56.5	
W1772	51-1276	8/6	9:15	--		19.5		6.5		430		275		<0.2	u	<2	u
W1772	51-1476	8/25	13:26	--		19.3		6.5		429		275		6.0		65.8	
W1772	51-1477	8/27	9:42	--		16.4		6.5		445		285		6.2		64.5	
W1773	51-1130	6/26	13:45	--		19.0	s	--		--		--		--		--	
W1773	51-1131	10/15	14:15	--		16.3	s	--		--		--		--		--	
W1774	51-1124	6/26	12:50	--		22.7	s	--		--		--		--		--	
W1774	51-1125	10/15	13:26	--		15.5	s	--		--		--		--		--	
W1775	51-1127	6/26	13:20	--		16.7	s	--		--		--		--		--	
W1775	51-1128	10/15	13:58	--		13.4	s	--		--		--		--		--	
W1776	51-1133	7/3	14:21	--		19.5	s	--		--		--		--		--	
W1776	51-1134	10/24	15:03	--		11.3	s	--		--		--		--		--	
W1777	51-1121	6/26	12:00	--		19.4	s	--		--		--		--		--	
W1777	51-1122	10/15	12:01	--		14.4	s	--		--		--		--		--	
W1897	51-1136	7/3	15:07	--		25.2	s	--		--		--		--		--	

Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers*	pH (SU)	pH Qualifiers*	Specific Conductance (µS/cm)	Specific Conductance Qualifiers*	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers*	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers*	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers*
W1897	51-1137	10/24	14:21	--		13.5	s	--		--		--		--		--	
W1901	51-1372	8/4	14:14	1.729		23.6		7.3		476		310		8.4		98.8	
W1901	51-1373	8/6	14:24	0.904		21.4		7.3		566		368		8.2		93.2	
W1901	51-1389	8/27	11:15	0.743		20.3		7.4		630		409		9.2		101.8	
W1901	51-1394	8/25	12:59	1.371		22.5		7.3		598		389		8.7		100.7	
W2062	51-0776	5/19	8:13	0.2		13.8		--		--		--		8.8		88	
W2062	51-0777	5/23	7:54	0.3		13.4		6.8		1074	c	688	c	8.6		85.2	
W2062	51-0945	6/20	9:07	0.4		18.1		6.8		1345	u, c	861	u, c	6.5		70.3	
W2062	51-0946	6/23	8:16	0.4		18.8		6.8		1157	u, c	741	u, c	6.4	u	70.4	u
W2062	51-1206	8/1	8:36	0.8		23.3		7.2		608		389		7.6		91.2	
W2062	51-1207	8/4	8:15	--		23.0		7.2		668		428		7.7		91.6	
W2062	51-1407	8/22	8:25	--		19.7	u	7.1		1155	u, c	739	u, c	7.8		85.6	
W2062	51-1408	8/25	8:03	--		20.6		7.0		1124	u, c	720	u, c	6.9	i	77.8	i
W2063	51-1366	8/4	11:38	0.571		23.4		7.1		447		290		7.1		83.6	
W2063	51-1367	8/6	16:16	0.663		21.9		7.1		518		336		6.9		78.4	
W2063	51-1388	8/25	15:38	0.967		23.8		7.5		578		376		9.6		113.6	
W2063	51-1395	8/27	13:54	0.792		22.2		7.3		611		397		9.0		103	

*A list of qualifiers is included in Appendix 1.

Table 12. The 2008 MassDEP DWM Blackstone River Watershed unattended probes dissolved oxygen data.

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Dissolved Oxygen Avg (mg/L)	Dissolved Oxygen 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 (%)
W0502	51-0820	5/23	91.5	8.8	7.7	0.0	0.0	0.0	0.0	94	84	102
W0502	51-0989	6/23	35.5	7.8	7.1	0.0	0.0	0.0	0.0	90	84	98
W0502	51-1250	8/4	44.5	7.9	7.6	0.0	0.0	0.0	0.0	94	90	99
W0502	51-1451	8/25	43.5	8.4	7.9	0.0	0.0	0.0	0.0	93	88	101
W0515	51-0856	5/23	117.5	8.2	6.1	0.0	0.0	0.0	0.0	90	67	109
W0515	51-1028	6/23	44.0	5.5	4.4	0.0	0.0	13.7	32.2	64	51	82
W0515	51-1289	8/4	44.5	3.8	2.9	3.7	28.1	39.6	44.5	46	34	62
W0515	51-1490	8/25	45.0	5.1	4.0	0.0	0.2	19.8	43.3	57	43	69
W0668	51-1368	8/4	47.0	7.7	6.9	0.0	0.0	0.0	0.0	--	--	--
W0668	51-1390	8/25	45.5	8.2	7.8	0.0	0.0	0.0	0.0	--	--	--
W0669	51-1362	8/4	48.5	6.9	6.0	0.0	0.0	0.0	1.8	--	--	--
W0669	51-1384	8/25	45.5	6.8	5.6	0.0	0.0	0.0	8.7	--	--	--
W0680	51-0817	5/23	116.5	8.3	6.4	0.0	0.0	0.0	0.0	89	71	99
W0680	51-0986	6/23	42.5	7.4	7.0	0.0	0.0	0.0	0.0	85	82	88
W0680	51-1247	8/4	44.5	7.7	7.3	0.0	0.0	0.0	0.0	92	88	98
W0680	51-1448	8/25	43.0	8.1	7.6	0.0	0.0	0.0	0.0	90	86	98
W0767	51-0802	--	--	--	--	--	--	--	--	--	--	--
W0767	51-0971	6/23	0.0	--	--	--	--	--	--	--	--	--
W0767	51-1232	8/4	0.0	--	--	--	--	--	--	--	--	--
W0767	51-1433	8/25	44.0	6.7	5.6	0.0	0.0	0.0	17.5	76	63	98
W1018	51-0805	5/23	116.5	8.6	6.6	0.0	0.0	0.0	0.0	95	76	117
W1018	51-0974	6/23	43.0	6.9	6.6	0.0	0.0	0.0	0.0	81	76	84
W1018	51-1235	8/4	46.5	6.9	6.5	0.0	0.0	0.0	0.0	85	78	94
W1018	51-1439	8/25	43.5	7.1	6.3	0.0	0.0	0.0	0.0	81	73	96
W1023	51-0850	5/23	117.0	8.2	7.5	0.0	0.0	0.0	0.0	89	82	96
W1023	51-1019	6/23	43.5	7.6	6.6	0.0	0.0	0.0	0.0	88	76	107
W1023	51-1280	8/4	44.5	7.5	7.1	0.0	0.0	0.0	0.0	91	86	95
W1023	51-1481	8/25	44.0	8.5	7.7	0.0	0.0	0.0	0.0	97	87	113
W1025	51-0826	5/19	95.5	9.8	9.5	0.0	0.0	0.0	0.0	99	96	102
W1025	51-0995	6/20	71.5	8.1	7.9	0.0	0.0	0.0	0.0	95	91	99
W1025	51-1256	8/1	72.0	7.4	7.3	0.0	0.0	0.0	0.0	92	88	95
W1025	51-1457	8/22	71.5	7.8	7.4	0.0	0.0	0.0	0.0	90	88	95
W1240	51-0814	5/23	116.5	7.3	4.4	0.0	0.0	4.5	11.2	78	48	94

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Dissolved Oxygen Avg (mg/L)	Dissolved Oxygen 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 (%)
W1240	51-0980	6/23	42.0	7.0	6.0	0.0	0.0	0.0	0.0	80	70	90
W1240	51-1244	8/4	0.0	--	--	--	--	--	--	--	--	--
W1240	51-1445	8/25	43.0	6.6	6.2	0.0	0.0	0.0	0.0	73	68	81
W1244	51-0799	5/23	116.5	6.4	4.8	0.0	0.0	2.4	38.0	70	54	84
W1244	51-0968	6/23	42.5	7.8	7.2	0.0	0.0	0.0	0.0	89	84	93
W1244	51-1229	8/4	44.5	6.3	5.5	0.0	0.0	0.0	10.6	76	65	89
W1244	51-1430	8/25	43.5	7.3	6.4	0.0	0.0	0.0	0.0	84	71	97
W1255	51-0811	5/23	102.0	7.1	6.2	0.0	0.0	0.0	0.0	76	67	85
W1255	51-0983	6/23	42.5	6.6	6.2	0.0	0.0	0.0	0.0	75	69	81
W1255	51-1241	8/4	44.0	6.2	5.6	0.0	0.0	0.0	11.3	73	65	81
W1255	51-1442	8/25	43.0	6.0	5.4	0.0	0.0	0.0	23.9	67	61	74
W1282	51-0778	5/19	95.0	10.2	9.5	0.0	0.0	0.0	0.0	97	94	101
W1282	51-0947	6/20	71.0	8.9	8.1	0.0	0.0	0.0	0.0	95	93	97
W1282	51-1208	8/1	0.0	--	--	--	--	--	--	--	--	--
W1282	51-1409	8/22	71.5	8.0	7.8	0.0	0.0	0.0	0.0	86	85	88
W1432	51-0793	5/19	95.0	8.9	8.4	0.0	0.0	0.0	0.0	92	88	98
W1432	51-0962	6/20	70.5	6.0	4.7	0.0	0.0	0.1	35.7	69	54	80
W1432	51-1223	8/1	71.5	7.1	6.7	0.0	0.0	0.0	0.0	89	86	93
W1432	51-1424	8/22	71.5	7.9	7.6	0.0	0.0	0.0	0.0	90	87	93
W1439	51-0796	5/19	95.0	9.9	9.0	0.0	0.0	0.0	0.0	95	91	100
W1439	51-0965	6/20	71.5	7.9	7.2	0.0	0.0	0.0	0.0	83	79	88
W1439	51-1226	8/1	71.0	7.5	7.2	0.0	0.0	0.0	0.0	86	84	89
W1439	51-1427	8/22	71.5	8.4	8.1	0.0	0.0	0.0	0.0	89	86	92
W1596	51-0832	5/19	95.0	7.8	6.8	0.0	0.0	0.0	0.0	80	70	90
W1596	51-1001	6/20	70.0	7.8	5.8	0.0	0.0	0.0	1.4	90	67	110
W1596	51-1262	8/1	0.0	--	--	--	--	--	--	--	--	--
W1596	51-1463	8/22	71.0	8.4	6.9	0.0	0.0	0.0	0.0	96	79	117
W1753	51-0781	5/19	95.0	10.1	9.1	0.0	0.0	0.0	0.0	96	86	105
W1753	51-0950	6/20	71.0	8.9	7.6	0.0	0.0	0.0	0.0	95	83	107
W1753	51-1211	8/1	71.0	8.4	7.8	0.0	0.0	0.0	0.0	94	90	98
W1753	51-1412	8/22	71.0	8.9	8.1	0.0	0.0	0.0	0.0	94	86	106
W1755	51-0829	5/19	95.5	9.9	9.5	0.0	0.0	0.0	0.0	97	95	100
W1755	51-0998	6/20	70.5	8.6	8.3	0.0	0.0	0.0	0.0	95	94	97
W1755	51-1259	8/1	71.5	7.7	7.4	0.0	0.0	0.0	0.0	91	89	95
W1755	51-1460	8/22	71.5	8.3	8.0	0.0	0.0	0.0	0.0	92	89	95

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Dissolved Oxygen Avg (mg/L)	Dissolved Oxygen 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 (%)
W1756	51-0841	5/19	94.5	9.4	8.6	0.0	0.0	0.0	0.0	89	83	99
W1756	51-1010	6/20	69.5	7.6	6.9	0.0	0.0	0.0	0.0	80	73	89
W1756	51-1271	8/1	71.5	7.6	6.3	0.0	0.0	0.0	0.0	84	72	93
W1756	51-1472	8/22	71.0	8.3	7.7	0.0	0.0	0.0	0.0	86	81	91
W1758	51-0787	5/19	94.5	9.5	9.0	0.0	0.0	0.0	0.0	97	92	105
W1758	51-0956	6/20	71.5	7.2	6.6	0.0	0.0	0.0	0.0	84	78	94
W1758	51-1217	8/1	71.0	6.9	6.3	0.0	0.0	0.0	0.0	84	76	93
W1758	51-1418	8/22	71.0	6.6	6.2	0.0	0.0	0.0	0.0	76	72	81
W1760	51-0838	5/19	94.5	9.8	9.3	0.0	0.0	0.0	0.0	93	88	101
W1760	51-1007	6/20	70.0	8.1	7.6	0.0	0.0	0.0	0.0	83	79	88
W1760	51-1268	8/1	71.5	7.4	7.0	0.0	0.0	0.0	0.0	82	78	87
W1760	51-1469	8/22	71.5	8.4	8.1	0.0	0.0	0.0	0.0	86	83	91
W1761	51-0784	5/19	94.5	9.8	9.2	0.0	0.0	0.0	0.0	94	87	99
W1761	51-0953	6/20	49.5	9.2	7.8	0.0	0.0	0.0	0.0	99	92	117
W1761	51-1214	8/1	71.0	7.8	7.5	0.0	0.0	0.0	0.0	89	88	91
W1761	51-1415	8/22	37.5	8.9	8.5	0.0	0.0	0.0	0.0	94	93	97
W1762	51-0835	5/19	95.0	9.4	8.9	0.0	0.0	0.0	0.0	93	90	99
W1762	51-1004	6/20	70.0	8.6	8.2	0.0	0.0	0.0	0.0	92	90	96
W1762	51-1265	8/1	71.5	7.8	7.3	0.0	0.0	0.0	0.0	90	85	95
W1762	51-1466	8/22	71.0	8.7	8.4	0.0	0.0	0.0	0.0	93	90	97
W1763	51-0808	5/23	116.5	7.2	6.2	0.0	0.0	0.0	0.0	77	68	88
W1763	51-0977	6/23	43.0	6.6	5.6	0.0	0.0	0.0	11.7	76	63	85
W1763	51-1238	8/4	44.0	6.5	6.0	0.0	0.0	0.0	0.0	77	71	89
W1763	51-1436	8/25	43.5	6.4	5.9	0.0	0.0	0.0	9.4	71	64	83
W1764	51-1374	8/4	46.0	6.9	6.0	0.0	0.0	0.0	0.0	--	--	--
W1764	51-1396	8/25	45.5	8.0	6.3	0.0	0.0	0.0	0.0	--	--	--
W1766	51-0853	5/23	117.0	7.6	6.3	0.0	0.0	0.0	0.0	82	71	95
W1766	51-1022	6/23	44.0	7.0	6.1	0.0	0.0	0.0	0.0	81	71	103
W1766	51-1283	8/4	0.0	--	--	--	--	--	--	--	--	--
W1766	51-1484	8/25	44.0	8.8	8.2	0.0	0.0	0.0	0.0	100	93	117
W1767	51-0823	5/19	95.0	9.4	8.7	0.0	0.0	0.0	0.0	94	90	98
W1767	51-0992	6/20	71.5	7.6	7.0	0.0	0.0	0.0	0.0	86	83	91
W1767	51-1253	8/1	72.0	7.2	6.9	0.0	0.0	0.0	0.0	89	87	92
W1767	51-1454	8/22	71.5	7.7	7.2	0.0	0.0	0.0	0.0	89	85	94
W1768	51-0862	5/23	117.5	8.8	7.8	0.0	0.0	0.0	0.0	87	81	94

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Dissolved Oxygen Avg (mg/L)	Dissolved Oxygen 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 (%)
W1768	51-1031	6/23	0.0	--	--	--	--	--	--	--	--	--
W1768	51-1292	8/4	44.5	0.9	0.2	44.5	44.5	44.5	44.5	10	2	33
W1768	51-1493	8/25	45.0	3.4	1.9	15.1	35.4	44.9	45.0	35	20	52
W1769	51-0790	5/19	95.0	9.4	8.8	0.0	0.0	0.0	0.0	92	86	101
W1769	51-0959	6/20	71.0	7.7	6.8	0.0	0.0	0.0	0.0	83	78	93
W1769	51-1220	8/1	71.0	7.3	6.9	0.0	0.0	0.0	0.0	83	79	90
W1769	51-1421	8/22	71.5	8.0	7.4	0.0	0.0	0.0	0.0	84	78	92
W1770	51-0859	5/23	117.0	9.3	8.6	0.0	0.0	0.0	0.0	101	98	105
W1770	51-1025	--	--	--	--	--	--	--	--	--	--	--
W1770	51-1286	8/4	44.0	7.7	7.3	0.0	0.0	0.0	0.0	96	91	107
W1770	51-1487	8/25	44.0	8.1	7.6	0.0	0.0	0.0	0.0	95	89	105
W1771	51-0847	5/23	116.5	9.3	8.6	0.0	0.0	0.0	0.0	99	95	105
W1771	51-1016	6/23	44.5	8.0	7.7	0.0	0.0	0.0	0.0	94	91	102
W1771	51-1277	8/4	44.5	7.2	6.9	0.0	0.0	0.0	0.0	88	84	96
W1771	51-1478	8/25	44.0	7.8	7.3	0.0	0.0	0.0	0.0	90	88	94
W1772	51-0844	5/23	117.0	7.4	5.2	0.0	0.0	0.0	14.3	77	56	93
W1772	51-1013	6/23	44.0	5.0	4.6	0.0	0.0	23.9	44.0	54	51	59
W1772	51-1274	8/4	43.0	5.2	4.7	0.0	0.0	11.3	42.5	59	54	66
W1772	51-1475	8/25	44.0	6.2	5.6	0.0	0.0	0.0	11.7	66	59	71
W1901	51-1371	8/4	47.5	8.1	7.9	0.0	0.0	0.0	0.0	--	--	--
W1901	51-1393	8/25	46.0	8.4	7.8	0.0	0.0	0.0	0.0	--	--	--
W2062	51-0775	5/19	95.0	8.9	8.2	0.0	0.0	0.0	0.0	89	81	93
W2062	51-0944	6/20	70.5	7.1	6.4	0.0	0.0	0.0	0.0	77	70	83
W2062	51-1205	8/1	0.0	--	--	--	--	--	--	--	--	--
W2062	51-1406	8/22	71.5	7.6	7.1	0.0	0.0	0.0	0.0	83	79	89
W2063	51-1365	8/4	52.0	6.8	6.1	0.0	0.0	0.0	0.0	--	--	--
W2063	51-1387	8/25	45.5	7.9	7.0	0.0	0.0	0.0	0.0	--	--	--

Table 13. The 2008 MassDEP DWM Blackstone River Watershed summary of unattended water temperature data (multiprobe and thermistor).

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg Temperature (deg. C)	Max Temperature (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percent of Time >20 deg C	Percent of Time >28.3 deg C
W0502	51-0820	5/23	91.5	16.9	20.6	18.7	5	0	5%	0%
W0502	51-0989	6/23	35.5	21.8	23.8	23.8	35	0	100%	0%
W0502	51-1250	8/4	44.5	22.8	24.8	23.8	45	0	100%	0%
W0502	51-1451	8/25	43.5	20.2	22.6	21.5	22	0	50%	0%
W0514	51-1114	6/26	2663.5	18.0	23.6	19.0	781	0	29%	0%
W0515	51-0856	5/23	117.5	17.9	21.8	20.0	19	0	16%	0%
W0515	51-1028	6/23	44	21.7	23.7	23.7	39	0	89%	0%
W0515	51-1289	8/4	44.5	22.7	24.4	23.4	45	0	100%	0%
W0515	51-1490	8/25	45	20.6	22.7	21.7	29	0	65%	0%
W0668	51-1368	8/4	47	23.3	24.9	24.1	47	0	100%	0%
W0668	51-1390	8/25	45.5	21.3	23.1	22.2	42	0	91%	0%
W0669	51-1362	8/4	48.5	22.4	23.8	23.2	49	0	100%	0%
W0669	51-1384	8/25	45.5	20.9	22.8	21.9	32	0	71%	0%
W0680	51-0817	5/23	116.5	17.1	21.3	18.7	5	0	4%	0%
W0680	51-0986	6/23	42.5	21.4	23.0	23.0	43	0	100%	0%
W0680	51-1247	8/4	44.5	22.9	24.5	23.8	44	0	100%	0%
W0680	51-1448	8/25	43	20.3	22.1	21.3	27	0	62%	0%
W0767	51-0802	--	--	--	--	--	--	--		
W0767	51-0971	6/23	43	21.0	22.7	22.7	43	0	100%	0%
W0767	51-1232	8/4	44	23.1	24.3	23.7	44	0	100%	0%
W0767	51-1433	8/25	44	21.2	23.3	22.7	34	0	78%	0%
W1018	51-0805	5/23	116.5	18.2	22.5	20.1	20	0	17%	0%
W1018	51-0974	6/23	43	22.5	24.0	24.0	43	0	100%	0%
W1018	51-1235	8/4	46.5	24.5	25.7	25.0	47	0	100%	0%
W1018	51-1439	8/25	43.5	21.7	24.0	23.1	39	0	89%	0%
W1022	51-1117	6/26	2663.5	18.2	24.3	19.3	887	0	33%	0%
W1023	51-0850	5/23	117	17.2	20.4	18.5	7	0	6%	0%
W1023	51-1019	6/23	43.5	21.7	22.7	22.1	44	0	100%	0%
W1023	51-1280	8/4	44.5	23.5	24.3	24.0	44	0	100%	0%
W1023	51-1481	8/25	44	21.8	23.4	23.0	44	0	100%	0%
W1025	51-0826	5/19	95.5	14.1	15.6	15.0	0	0	0%	0%
W1025	51-0995	6/20	71.5	22.0	24.0	23.6	69	0	96%	0%
W1025	51-1256	8/1	72	24.5	26.7	25.6	72	0	100%	0%

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg Temperature (deg. C)	Max Temperature (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percent of Time >20 deg C	Percent of Time >28.3 deg C
W1025	51-1457	8/22	71.5	22.5	24.5	24.3	71	0	99%	0%
W1240	51-0814	5/23	116.5	16.9	20.8	18.6	8	0	7%	0%
W1240	51-0980	6/23	42	21.2	22.8	22.8	42	0	100%	0%
W1240	51-1244	8/4	44.5	22.8	24.1	23.7	44	0	100%	0%
W1240	51-1445	8/25	43	20.1	22.1	21.0	21	0	50%	0%
W1244	51-0799	5/23	116.5	17.5	20.9	18.9	10	0	8%	0%
W1244	51-0968	6/23	42.5	21.3	22.3	22.3	43	0	100%	0%
W1244	51-1229	8/4	44.5	23.4	24.3	23.8	44	0	100%	0%
W1244	51-1430	8/25	43.5	21.9	23.4	22.5	44	0	100%	0%
W1255	51-0811	5/23	116.5	16.8	19.2	17.7	0	0	0%	0%
W1255	51-0983	6/23	42.5	20.5	21.4	21.4	42	0	99%	0%
W1255	51-1241	8/4	44	22.0	22.6	22.4	44	0	100%	0%
W1255	51-1442	8/25	43	20.8	21.9	21.3	38	0	89%	0%
W1282	51-0778	5/19	95	11.4	13.3	12.6	0	0	0%	0%
W1282	51-0947	6/20	71	17.3	21.7	18.3	1	0	1%	0%
W1282	51-1208	8/1	71	21.1	24.1	23.3	68	0	95%	0%
W1282	51-1409	8/22	71.5	18.7	19.9	19.6	0	0	0%	0%
W1432	51-0793	5/19	95	15.2	19.0	18.0	0	0	0%	0%
W1432	51-0962	6/20	70.5	21.8	25.7	25.2	55	0	78%	0%
W1432	51-1111	6/26	2715.5	20.6	29.0	22.2	1684	9	62%	0%
W1432	51-1223	8/1	71.5	25.4	28.3	26.6	71	1	100%	2%
W1432	51-1424	8/22	71.5	21.7	23.3	22.8	72	0	100%	0%
W1439	51-0796	5/19	95	12.0	14.8	14.1	0	0	0%	0%
W1439	51-0965	6/20	71.5	17.4	18.9	18.7	0	0	0%	0%
W1439	51-1226	8/1	71	20.4	22.3	21.0	45	0	64%	0%
W1439	51-1427	8/22	71.5	17.6	18.7	18.7	0	0	0%	0%
W1596	51-0832	5/19	95	14.7	16.2	15.6	0	0	0%	0%
W1596	51-1001	6/20	70	21.4	22.5	22.4	67	0	96%	0%
W1596	51-1262	8/1	71.5	24.2	25.9	24.9	71	0	100%	0%
W1596	51-1463	8/22	71	21.4	22.4	22.3	71	0	99%	0%
W1753	51-0781	5/19	95	11.6	15.9	14.5	0	0	0%	0%
W1753	51-0950	6/20	71	17.8	22.3	21.3	9	0	13%	0%
W1753	51-1102	6/26	2664	17.4	27.2	19.6	476	0	18%	0%
W1753	51-1211	8/1	71	19.5	22.0	21.0	25	0	36%	0%
W1753	51-1412	8/22	71	18.2	20.7	20.7	14	0	19%	0%

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg Temperature (deg. C)	Max Temperature (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percent of Time >20 deg C	Percent of Time >28.3 deg C
W1755	51-0829	5/19	95.5	12.9	14.9	14.1	0	0	0%	0%
W1755	51-0998	6/20	70.5	19.7	21.3	21.0	24	0	35%	0%
W1755	51-1259	8/1	71.5	22.3	24.3	23.5	68	0	95%	0%
W1755	51-1460	8/22	71.5	20.3	21.2	21.1	51	0	71%	0%
W1756	51-0841	5/19	94.5	11.3	14.5	13.3	0	0	0%	0%
W1756	51-1010	6/20	69.5	16.5	18.3	18.3	0	0	0%	0%
W1756	51-1271	8/1	71.5	18.8	23.8	21.7	11	0	15%	0%
W1756	51-1472	8/22	71	16.9	18.2	18.2	0	0	0%	0%
W1758	51-0787	5/19	94.5	14.7	16.0	15.6	0	0	0%	0%
W1758	51-0956	6/20	71.5	22.0	24.0	23.7	72	0	100%	0%
W1758	51-1217	8/1	71	23.7	25.7	25.6	71	0	100%	0%
W1758	51-1418	8/22	71	22.1	23.9	23.9	71	0	100%	0%
W1760	51-0838	5/19	94.5	11.3	13.3	12.5	0	0	0%	0%
W1760	51-1007	6/20	70	15.7	16.8	16.7	0	0	0%	0%
W1760	51-1268	8/1	71.5	19.0	20.4	19.9	7	0	10%	0%
W1760	51-1469	8/22	71.5	16.4	17.3	17.2	0	0	0%	0%
W1761	51-0784	5/19	94.5	11.7	14.0	13.2	0	0	0%	0%
W1761	51-0953	6/20	71	18.5	25.0	24.7	19	0	27%	0%
W1761	51-1105	6/26	2663.5	17.6	27.5	19.0	591	0	22%	0%
W1761	51-1214	8/1	71	20.4	22.3	21.2	47	0	67%	0%
W1761	51-1415	8/22	37.5	18.1	19.8	19.8	0	0	0%	0%
W1762	51-0835	5/19	95	13.1	15.4	14.4	0	0	0%	0%
W1762	51-1004	6/20	70	18.1	19.8	19.6	0	0	0%	0%
W1762	51-1265	8/1	71.5	21.2	23.7	22.4	63	0	88%	0%
W1762	51-1466	8/22	71	18.6	20.1	20.0	3	0	4%	0%
W1763	51-0808	5/23	116.5	16.9	20.8	19.0	6	0	5%	0%
W1763	51-0977	6/23	43	20.8	21.9	21.9	42	0	99%	0%
W1763	51-1238	8/4	44	22.2	23.3	23.0	44	0	100%	0%
W1763	51-1436	8/25	43.5	20.6	22.8	22.4	26	0	59%	0%
W1764	51-1374	8/4	46	23.2	24.3	23.9	46	0	100%	0%
W1764	51-1396	8/25	45.5	21.9	23.2	22.7	44	0	97%	0%
W1766	51-0853	5/23	117	17.2	20.5	18.2	4	0	4%	0%
W1766	51-1022	6/23	44	21.5	22.2	21.9	44	0	100%	0%
W1766	51-1283	8/4	44.5	23.4	24.4	24.1	45	0	100%	0%
W1766	51-1484	8/25	44	21.5	22.4	22.4	44	0	100%	0%

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg Temperature (deg. C)	Max Temperature (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percent of Time >20 deg C	Percent of Time >28.3 deg C
W1767	51-0823	5/19	95	13.7	17.2	16.2	0	0	0%	0%
W1767	51-0992	6/20	71.5	20.9	24.5	24.0	49	0	68%	0%
W1767	51-1253	8/1	72	24.7	27.2	25.9	72	0	100%	0%
W1767	51-1454	8/22	71.5	22.3	24.9	24.9	70	0	97%	0%
W1768	51-0862	5/23	117.5	13.1	16.5	15.2	0	0	0%	0%
W1768	51-1031	6/23	44	15.8	16.1	16.0	0	0	0%	0%
W1768	51-1292	8/4	44.5	18.3	18.8	18.3	0	0	0%	0%
W1768	51-1493	8/25	45	15.8	16.5	16.4	0	0	0%	0%
W1769	51-0790	5/19	95	12.7	16.1	15.3	0	0	0%	0%
W1769	51-0959	6/20	71	18.8	22.7	22.0	24	0	33%	0%
W1769	51-1108	6/26	2663.5	17.4	25.1	19.2	639	0	24%	0%
W1769	51-1220	8/1	71	19.9	23.8	22.0	31	0	43%	0%
W1769	51-1421	8/22	71.5	17.7	20.7	20.1	8	0	11%	0%
W1770	51-0859	5/23	117	17.5	21.1	19.4	11	0	10%	0%
W1770	51-1025	--	--	--	--	--	--	--		
W1770	51-1286	8/4	44	25.4	27.3	26.2	44	0	100%	0%
W1770	51-1487	8/25	44	23.3	25.8	24.3	44	0	100%	0%
W1771	51-0847	5/23	116.5	16.8	19.6	18.6	0	0	0%	0%
W1771	51-1016	6/23	44.5	22.4	25.0	25.0	44	0	100%	0%
W1771	51-1277	8/4	44.5	24.3	26.2	25.7	44	0	100%	0%
W1771	51-1478	8/25	44	22.3	24.9	23.2	44	0	100%	0%
W1772	51-0844	5/23	117	15.5	18.7	16.7	0	0	0%	0%
W1772	51-1013	6/23	44	18.9	19.7	19.7	0	0	0%	0%
W1772	51-1274	8/4	43	20.4	21.7	20.9	31	0	71%	0%
W1772	51-1475	8/25	44	18.4	19.7	19.4	0	0	0%	0%
W1773	51-1129	6/26	2664	21.1	26.0	21.9	1747	0	66%	0%
W1774	51-1123	6/26	2664	19.5	27.1	20.8	1251	0	47%	0%
W1775	51-1126	6/26	2664	16.8	22.7	18.0	272	0	10%	0%
W1776	51-1132	7/3	2712.5	17.5	24.4	18.4	364	0	13%	0%
W1777	51-1120	6/26	2663.5	20.0	27.4	21.3	1464	0	55%	0%
W1897	51-1135	7/3	2710.5	22.1	28.2	22.6	1917	0	71%	0%
W1901	51-1371	8/4	47.5	23.1	24.5	23.8	48	0	100%	0%
W1901	51-1393	8/25	46	21.4	23.1	22.2	41	0	89%	0%
W2062	51-0775	5/19	95	13.7	14.1	14.0	0	0	0%	0%
W2062	51-0944	6/20	70.5	18.8	19.9	19.3	0	0	0%	0%

Unique ID/ Station ID	OWMID	Start Date	Hours Monitored	Avg Temperature (deg. C)	Max Temperature (deg. C)	Mean of the Daily Max (deg. C)	Hours > 20 deg. C	Hours > 28.3 deg. C	Percent of Time >20 deg C	Percent of Time >28.3 deg C
W2062	51-1205	8/1	71	23.7	25.0	24.7	71	0	100%	0%
W2062	51-1406	8/22	71.5	20.0	20.4	20.4	43	0	61%	0%
W2063	51-1365	8/4	52	23.1	24.5	24.1	52	0	100%	0%
W2063	51-1387	8/25	45.5	21.4	23.8	23.0	40	0	87%	0%

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APPENDIX 1: 2008 DATA SYMBOLS AND QUALIFIERS

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