Technical Memorandum

CONCORD RIVER WATERSHED
2006 DWM WATER QUALITY MONITORING DATA

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Division of Watershed Management
DWM Control Number CN 236.1

COMMONWEALTH OF MASSACHUSETTS
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Introduction

The purpose of this technical memorandum is to publish the water quality data collected in the Concord River Watershed as part of the Massachusetts Department of Environmental Protection (MassDEP), Division of Watershed Management's (DWM) programmatic monitoring (MassDEP 2005a). Two major rivers, the Assabet and the Sudbury rivers, join to form the Concord River. Therefore the Concord River Watershed is often referred to by DWM staff as the "SuAsCo". The Concord River Watershed water quality surveys were conducted between the months of May and September in 2006. Water quality samples were analyzed for nutrients and other conventional pollutants, bacteria (fecal coliform and *E. coli*), as well as dissolved oxygen and other field measurements. The aquatic macroinvertebrate and fish community data are published in separate technical memoranda.

Project Objectives

The 2006 water quality surveys of the Concord River Watershed focused on obtaining information to meet the following objectives (MassDEP 2006a):

- Provide quality-assured nutrient data for a continuing multi-year database to determine changes in nutrient concentrations and certain response variables in the Assabet River with respect to the nutrient TMDL.
- Evaluate specific water bodies to determine if Massachusetts Water Quality Standards are being met in all three watersheds for Clean Water Act Sections 305(b) and 303(d) reporting purposes.
    - Provide quality assured fecal coliform and *E. coli* sp. bacteria data for the purpose of assessing the Primary and Secondary Contact Recreational uses and to document effectiveness of source reduction programs;
    - Provide biological data for evaluating the Aquatic Life Use;
    - Provide chemical and physical data for evaluating the Aquatic Life Use
- Surveillance and reconnaissance to document aesthetic conditions.
- Provide analyses of split nutrient samples collected by POTWs.

Additional information regarding project objectives may be found in the 2006 *SuAsCo Watershed Sampling and Analysis Plan* (MassDEP. 2006b).

Sampling Plan

Water quality monitoring was conducted at 35 river stations in the Concord River Watershed (also referred to as "SuAsCo" by DWM staff meaning the Sudbury, Assabet, and Concord River Watersheds). A list of sites and the types of data collected at each site is provided in Table 1 below. Table 2 provides information on how many water quality sites were sampled on each date and for which analytes. Multiprobes were deployed at 24 stations 3-5 times during the sampling season (June-September) to obtain continuous dissolved oxygen and temperature data for at least a 48-hour period. Some multiprobes also recorded pH, specific conductivity, and total dissolved solids measurement data (MassDEP 2006a). In addition to standard samples being collected by MassDEP, split samples were collected from four POTWs in the watershed (see Station ID names beginning with MA). A map of the Concord River Watershed sampling stations is presented in Figure 1.

Quality Assurance (QA) and Quality Control (QC)

Quality assurance and quality control procedures used in collecting samples and measurements were consistent with the prevailing DWM protocols that are described in CN 1.21 - Sample Collection Techniques for DWM Surface Water Quality Monitoring (MassDEP 2004a), CN 4.21 - Water Quality Multiprobe Data Collection (MassDEP 2005b) and CN 4.4 - Multiprobe Deployments for Unattended Logging Data Collection (MassDEP 2004b).

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 2006 DWM data is provided in CN 300.0 – Water Quality Data Validation Report for Year 2006 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 2004a). The Wall Experiment Station (WES) supplied all sample bottles and field preservatives, which were prepared according to the WES Laboratory Quality Assurance Plan and Standard Operating Procedures (MassDEP 2001). Procedures used for multiprobe calibration and deployment are described in CN 4.21 - Water Quality Multiprobe Data Collection (MassDEP 2005b) and CN 4.4 - Multiprobe Deployments for Unattended Logging (MassDEP 2004b).

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 1. MassDEP DWM 2006 Concord River Watershed sampling station descriptions, number of samples collected and sampling parameters.

Unique ID (map link)	Station ID	Waterbody	Description	Latitude	Longitude	Hardness	Nutrients	Suspended Solids	E. coli Bacteria	Fecal Coliform Bacteria	Color & Turbidity	Attended Multiprobe	Deployed Multiprobe
W0843	AS01	Assabet River	[Route 2/2A bridge, Concord]	42.46569	-71.3914		5	5	5	5	3	13	4
W1468	AS01A	Assabet River	[Maynard Street bridge, Westborough]	42.27406	-71.6322	2	5	5	5	5	3	5	
W1469	AS02	Assabet River	[upstream at Route 9 bridge, Westborough]	42.28351	-71.6386		5	5	5	5	3	5	
W0695	AS04	Assabet River	[School Street, Northborough]	42.30485	-71.6285		5	5	5	5	3	13	4
W1470	AS05	Assabet River	[Route 20, upstream of dam, Northborough]	42.32037	-71.6355		5	5	5	5	3	5	
W1471	AS06	Assabet River	[Allen Street bridge, upstream of dam, Northborough]	42.3295	-71.6301		5	5	5	5	3	11	3
W1472	AS07	Assabet River	[Boundary Street bridge, Northborough/Marlborough (approximately 600 feet upstream from Marlborough Westerly WWTP discharge)]	42.34151	-71.6164	2	5	5	5	5	3	5	
W1473	AS08	Assabet River	[Robin Hill Street bridge, Marlborough (approximately 1500 feet downstream from Marlborough Westerly WWTP discharge)]	42.3465	-71.6146		5	5	5	5	3	13	4
W1474	AS11	Assabet River	[Chapin Road bridge, Hudson]	42.38031	-71.5861		5	5	5	5	3	13	4
W1475	AS14	Assabet River	[Cox Street bridge, Hudson]	42.3998	-71.546	2	5	5	5	5	3	13	4
W1476	AS15A	Assabet River	[Route 62 bridge, (Gleasondale) Stow]	42.40462	-71.5265		5	5	5	5	3	13	4
W1477	AS16	Assabet River	[Sudbury Road bridge, Stow]	42.41163	-71.5084		5	5	5	5	3	13	4
W1478	AS16A	Assabet River	[White Pond Road bridge, Stow/Maynard]	42.42318	-71.4747		5	5	5	5	3	15	5
W1479	AS20	Assabet River	[first Route 62 bridge crossing below the "Powdermill Dam", Acton]	42.44087	-71.4294		5	5	5	5	3	15	5
W1482	CO01	Concord River	[Monument Street bridge, Concord]	42.47116	-71.3499		5	5	5	5	3	13	4
W1483	CO02	Concord River	[Route 225 bridge, Carlisle/Bedford]	42.50903	-71.3141		5	5	5	5	3	13	4

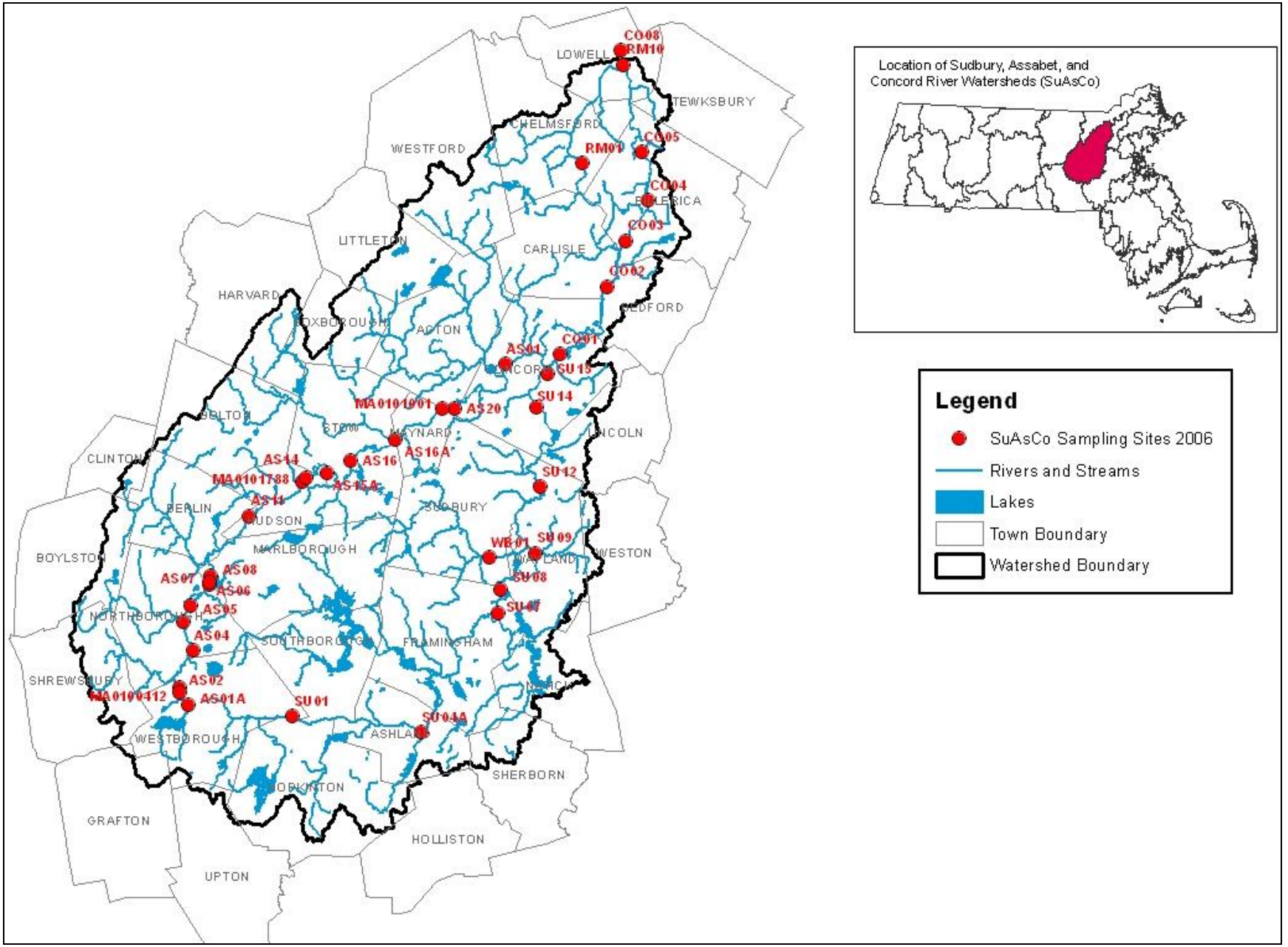
Unique ID (map link)	Station ID	Waterbody	Description	Latitude	Longitude	Hardness	Nutrients	Suspended Solids	E. coli Bacteria	Fecal Coliform Bacteria	Color & Turbidity	Attended Multiprobe	Deployed Multiprobe
W1484	CO03	Concord River	[Route 4 bridge, (Riverside) Billerica]	42.53489	-71.2995	2	1	1	5	5			
W1485	CO04	Concord River	[River Street bridge, Billerica]	42.55748	-71.2825		5	5	5	5	3	13	4
W1486	CO05	Concord River	[Pollard Street bridge, (North Billerica) Billerica]	42.58482	-71.2872		5	5	5	5	3	13	4
W1487	CO08	Concord River	[Route 110 bridge, Lowell]	42.64173	-71.3028		5	5	5	5	3	11	3
W1611	MA0100412	Assabet River	[Westborough WWTP discharge (NPDES# MA0100412), Westborough]	42.28093	-71.6379		3						
W1610	MA0100480	Assabet River	[Marlborough West WWTW discharge (NPDES# MA0100480), Marlborough]	42.34296	-71.6155		2						
W1608	MA0101001	Assabet River	[Maynard WPCF discharge (NPDES# MA0101001), Acton/Maynard]	42.4407	-71.439		2						
W1609	MA0101788	Assabet River	[Hudson WWTF discharge (NPDES# MA0101788), Hudson]	42.40196	-71.5427		2						
W1488	RM01	River Meadow Brook	[Mill Road bridge, Chelmsford]	42.57826	-71.3325		5	5	5	5	3	13	4
W1489	RM10	River Meadow Brook	[apartment complex roadway bridge near mouth of river, east of Lawrence Street, Lowell]	42.6338	-71.3012		5	5	5	5	3	13	4
W0832	SU01	Sudbury River	[Fruit Street bridge, Hopkinton/Westborough]	42.26764	-71.5528		5	5	5	5	3	13	4
W0838	SU04A	Sudbury River	[Route 135 bridge upstream of Cold Spring Brook confluence, Ashland]	42.2585	-71.4555		5	5	5	5	3	13	4
W0696	SU07	Sudbury River	[Danforth Street bridge, Framingham]	42.32543	-71.3974		5	5	5	5	3	13	4
W1480	SU08	Sudbury River	[Stonebridge Road/Potter Road bridge, Wayland/Framingham]	42.33865	-71.395		5	5	5	5	3	5	
W0850	SU09	Sudbury River	[Pelham Island Road bridge, Wayland]	42.35927	-71.3688		5	5	5	5	3	13	4
W0847	SU12	Sudbury River	[Shermans Bridge Road/Lincoln Road, Wayland/Sudbury]	42.39635	-71.3647		5	5	5	5	3	5	
W1481	SU14	Sudbury River	[Sudbury Road bridge, Concord]	42.44111	-71.3681		5	5	5	5	3	13	4

Unique ID (map link)	Station ID	Waterbody	Description	Latitude	Longitude	Hardness	Nutrients	Suspended Solids	E. coli Bacteria	Fecal Coliform Bacteria	Color & Turbidity	Attended Multiprobe	Deployed Multiprobe
W0844	SU15	Sudbury River	[Nashawtuc Road bridge, Concord]	42.45975	-71.3594		5	5	4	4	3	15	5
W0849	WB01	Hop Brook	[Landham Road bridge, Sudbury (formerly reported as Wash Brook)]	42.35709	-71.4031		5	5	5	5	3	13	4

Table 2. MassDEP DWM 2006 Concord River Watershed – Number of water quality sites sampled by date and by analyte.

Analyte	5/2	5/3	5/4	6/6	6/7	6/8	7/18	7/19	7/20	8/22	8/23	8/24	9/25	9/26
Ammonia-N	30			30			30			30				35
Nitrate/Nitrite-N										30				35
Total Dissolved Phosphorus							4			4				4
Total Nitrogen				30			30			30				31
Total Phosphorus	30			30			34			31				35
E. coli		14	17		14	17		14	17		14	17	14	16
Fecal Coliforms		14	17		14	17		14	17		14	17	14	16
Suspended Solids	30			30			30			30				31
Hardness										8				
Apparent color				30			30			30				
True color				30			30			30				
Turbidity				30			30			30				

Figure 1. MassDEP DWM 2006 monitoring station locations in the Concord River Watershed.


CO08
RM10
LOWELL
TEWKSBURY
CHELMSFORD
WESTFORD
CO05
RM01
CO04
CO03
LITTLETON
CARLISLE
HARVARD
CO02
ACTON
AS01
CO01
SU15
SU14
MA0101001
AS20
BOLTON
LINCOLN
MAYNARD
AS16A
AS16
AS14
SU12
MA0101788
AS15A
CLINTON
AS11
BERLIN
HUDSON
SUDBURY
WB01
SU09
MARLBOROUGH
WESTON
BOYLSTON
AS08
AS07
SU08
AS06
AS05
SU07
NORTHBOROUGH
AS04
SOUTHBOROUGH
FRAMINGHAM
SHREWSBURY
AS02
MA0100412
AS01A
SU01
SU04A
WESTBOROUGH
ASHLAND
SHERBORN
HOPKINTON
GRAFTON
HOLLISTON
UPTON
Location of Sudbury, Assabet, and
Concord River Watersheds (SuAsCo)
Legend
SuAsCo Sampling Sites 2006
Rivers and Streams
Lakes
Town Boundary
Watershed Boundary

Survey Conditions

Precipitation and stream discharge data were analyzed to estimate hydrological conditions during the 2006 water quality surveys in the Concord River Watershed. Precipitation data collected during the survey period in 2006 were downloaded from the National Oceanic and Atmospheric Administration (NOAA), National Climatic Data Center (NCDC) for the Hanscom Airport (GHCND:USW00014702) and town of Maynard, MA (GHCND:USC00194580). Data for these sites were downloaded from http://www.ncdc.noaa.gov/cdo-web/#t=firstTabLink. 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 2006 and the twenty-year monthly averages for the weather station were downloaded in order to determine if precipitation amounts in 2006 were above or below normal (Table 3).

Table 3. Total monthly precipitation in 2006 at Hanscom Field Airport and Maynard, MA weather stations in the Concord River Watershed and the twenty-year monthly average precipitation totals (NOAA 2012).

	GHCND:USW00014702 BEDFORD HANSCOM FIELD		**GHCND:USC00194580** MAYNARD, MA US	
	Map Link		Map Link	
Month	**Rain (in)**	**20-Year Average (1981-2000)**	**Rain (in)**	**20-Year Average (1981-2000)**
January	3.91	3.47	4.37	3.67
February	1.59	3.01	2.94	3.42
March	0.60	4.25	0.59	4.62
April	2.64	4.09	3.07	4.43
May	10.09	3.85	9.70	3.89
June	10.27	3.92	9.53	4.21
July	4.15	3.72	3.98	4.26
August	4.15	3.65	4.69	4.03
September	2.13	3.56	2.60	3.74
October	5.27	4.22	6.38	4.56
November	6.67	4.29	5.84	4.35
December	2.12	3.68	2.12	4.3

Stream discharge data from four real-time United States Geological Survey (USGS) stream gage stations (Table 3) were downloaded from the USGS website (USGS 2012a). In addition, the 7Q10 for each gage station was calculated using USGS StreamStats and included in Table 4. The entire period of record for each station was downloaded and the average daily discharge 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 was equaled or exceeded during the entire period of record for the gage was calculated to put the discharge value into historical perspective. The precipitation and discharge data are summarized and presented in Table 5.

Table 4. USGS gage stations used to estimate the hydrological conditions in the Concord River Watershed during the 2006 DWM water quality surveys and the estimated 7Q10 flows for each gage. (USGS 2012a; 2012b).

Site Name	Period of Record	7Q10 (cfs)	Remarks	Lat/Long with Map Link
USGS 01099500 Concord River Below River Meadow Brook, at Lowell, MA	1936 to Present	35.3	Low flow regulated by mills upstream. Daily discharge includes undiverted water from 92.6 mi^2 in basins of Sudbury River and Lake Cochituate. Prior to December 1961, diversion upstream for use by city of Lowell.	42.63667 -71.3025
USGS 01097000 Assabet River at Maynard, MA	1941 to Present.	8.03	Occasional diurnal fluctuation at low flow by mills upstream; greater regulation prior to 1969. Since 1962, high flow affected by retarding reservoirs and, since 1970, occasional release at low flow by these reservoirs.	42.43194 -71.45028
USGS 01097300 Nashoba Brook near Acton, MA	1963 to Present	0.57	No remarks as of 01/02/2013.	42.5125 -71.40472
USGS 01098530 Sudbury River at Saxonville, MA	1979 to Present	7.08	Flow regulated by reservoirs upstream and affected by diversions and spill. Flow may be diverted as needed for emergency use in MWRA metropolitan Boston service area.	42.32528 -71.39806

Table 5. The precipitation totals (inches) and daily average discharge (cubic feet per second) for five days prior to and each DWM 2006 Concord River Watershed survey date (USGS 2012a) (NOAA 2012). Note: The percent of time that the daily average discharge was equaled or exceeded over the entire period of record at each stream gage are also provided (percent exceeded). Shaded dates indicate the deployment of multiprobes and bold dates indicate collection of water samples.

Date	Rainfall in Inches		Gage Flow in cfs and (% Exceeded)			
	Bedford Hanscom Field MA	Maynard MA	01099500 Concord R. Below River Meadow Brook, at Lowell	01098530 Sudbury River at Saxonville, MA	01097000 Assabet River at Maynard	01097300 Nashoba Brook near Acton
04/27	0.00	0.00	715 (29.2)	147 (31.7)	141 (47.8)	16 (42.2)
04/28	0.00	0.00	677 (30.8)	122 (36.3)	124 (52.3)	13 (48.9)
04/29	0.00	0.00	635 (32.8)	67 (50.5)	109 (56.7)	11 (53.4)
04/30	0.00	0.00	583 (35.4)	58 (54.3)	99 (59.6)	10 (54.7)
05/01	0.01	0.00	506 (40)	54 (56.2)	90 (62.7)	9.7 (55.5)
05/02	0.96	0.12	492 (40.9)	80 (46)	120 (53.5)	9.5 (56.2)
05/03	0.23	1.01	612 (34)	139 (33.2)	219 (32)	17 (40.2)
05/04	0.00	0.16	708 (29.5)	158 (29.9)	271 (24)	26 (27.1)
06/01	0.07	0.00	1270 (10.9)	213 (22.6)	193 (36.6)	15 (44.2)
06/02	0.32	0.15	1180 (13.2)	246 (18.9)	195 (36.2)	20 (35.2)
06/03	1.75	0.61	1270 (10.9)	398 (8.3)	328 (17.5)	27 (25.8)

Date	Rainfall in Inches		Gage Flow in cfs and (% Exceeded)			
	Bedford Hanscom Field MA	Maynard MA	01099500 Concord R. Below River Meadow Brook, at Lowell	01098530 Sudbury River at Saxonville, MA	01097000 Assabet River at Maynard	01097300 Nashoba Brook near Acton
06/04	0.35	2.11	1690 (5)	612 (2.8)	727 (2.7)	100 (1.9)
06/05	0.00	0.03	1910 (3.5)	578 (3.3)	859 (1.8)	82 (3.2)
06/06	0.00	0.00	2050 (2.9)	565 (3.5)	714 (2.9)	59 (7.2)
06/07	2.19	0.48	2200 (2.2)	757 (1.6)	642 (3.9)	50 (10.1)
06/08	0.33	1.85	2650 (1.1)	905 (0.8)	917 (1.5)	133 (1)
07/13	0.09	0.50	683 (30.6)	134 (34)	145 (46.8)	52 (9.3)
07/14	0.00	0.13	683 (30.6)	142 (32.6)	152 (45)	40 (14.9)
07/15	0.00	0.00	670 (31.2)	80 (46)	130 (50.7)	20 (35.2)
07/16	0.00	0.00	615 (33.8)	67 (50.5)	114 (55.2)	14 (46.5)
07/17	0.00	0.00	550 (37.4)	61 (52.9)	93 (61.5)	11 (53.4)
07/18	0.00	0.00	488 (41.2)	54 (56.2)	83 (65)	9 (57.7)
07/19	0.00	0.07	412 (46.5)	53 (56.6)	83 (65)	7.9 (61.3)
07/20	0.02	0.00	356 (50.7)	48 (58.8)	84 (64.6)	6.7 (65.5)
08/17	0.01	0.00	143 (75.2)	34 (66.4)	50 (78.2)	1.9 (86.2)
08/18	0.00	0.00	146 (74.7)	47 (59.3)	41 (82.4)	1.6 (88.1)
08/19	0.00	0.00	148 (74.4)	31 (68.4)	35 (85.6)	1.5 (88.8)
08/20	0.83	0.72	174 (70.4)	67 (50.5)	60 (73.8)	3.2 (80.1)
08/21	0.01	0.50	194 (67.6)	75 (47.5)	103 (58.4)	6.3 (66.8)
08/22	0.00	0.00	233 (62.6)	47 (59.3)	87 (63.6)	4.1 (75.7)
08/23	0.00	0.00	231 (62.8)	40 (62.9)	63 (72.6)	2.6 (82.7)
08/24	0.13	0.00	211 (65.3)	35 (65.8)	52 (77.2)	2.2 (84.6)
09/15	0.01	0.31	185 (68.8)	43 (61.3)	61 (73.4)	3.2 (80.1)
09/16	0.01	0.00	183 (69.1)	37 (64.5)	59 (74.2)	3.5 (78.4)
09/17	0.01	0.00	182 (69.3)	34 (66.4)	53 (76.8)	3.3 (79.4)
09/18	0.01	0.00	169 (71.2)	32 (67.8)	47 (79.5)	2.8 (81.9)
09/19	0.62	0.00	166 (71.7)	31 (68.4)	45 (80.5)	2.6 (82.7)
09/20	0.01	0.65	195 (67.4)	42 (61.7)	62 (73)	4.9 (72.5)
09/21	0.00	0.00	195 (67.4)	32 (67.8)	76 (67.4)	8.2 (60.2)
09/22	0.00	0.00	198 (67.1)	29 (69.9)	72 (68.8)	5.5 (69.8)
09/23	0.23	0.00	205 (66.1)	29 (69.9)	62 (73)	2.7 (82.3)
09/24	0.02	0.21	197 (67.2)	31 (68.4)	62 (73)	2.6 (82.7)
09/25	0.00	0.02	189 (68.3)	29 (69.9)	59 (74.2)	3.1 (80.5)
09/26	0.00	0.00	179 (69.7)	28 (70.7)	58 (74.6)	3.1 (80.5)

Station Observations

Station observations were recorded on field sheets for each survey by a DWM investigator. These observations are summarized below in Table 6 for each sampling event (MassDEP 2006c).

Table 6. 2006 Field observations from MassDEP DWM Concord River Watershed river surveys.
S=sparse (0-25%, M=moderate (25-50%), D=dense (50-75%), VD=very dense (75-100%), N=none, U=unobservable, NR=not recorded) (MassDEP 2006c)

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS01	W0843	5/2	Musty (Basement)	Clear	Light Yellow/Tan	N	N	N	N	N	No		No	
AS01	W0843	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS01	W0843	6/2	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS01	W0843	6/6	U	Slightly Turbid	Dark Tan	NR	U	U	U	U	No		No	
AS01	W0843	6/7	NR	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
AS01	W0843	7/14	NA	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
AS01	W0843	7/18	U	Clear	Dark Tan	U	U	U	U	U	No		No	
AS01	W0843	7/19	N	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	Yes	pollen/dust blankets	Yes	trash
AS01	W0843	8/18	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS01	W0843	8/22	Musty (Basement)	Moderately Turbid	Grayish	N	NR	S	NR	NR	No		Yes	trash: 2 tires in river; leaf dumping from houses?
AS01	W0843	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS01	W0843	9/15	N	Slightly Turbid	Light Yellow/Tan also: brownish	Not Applicable – Probe Deploy Field Sheet								
AS01	W0843	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS01	W0843	9/26	N	Clear	Clear	U	U	U	U	U	No		No	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS01A	W1468	5/2	N	Clear	Clear	N	NR	NR	NR	S	Yes	foam Moderate density, mid-stream only	No	
AS01A	W1468	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS01A	W1468	6/6	N	Clear	Clear	S	N	N	N	N	Yes	foam; minor quantity	No	
AS01A	W1468	6/7	N	Clear	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
AS01A	W1468	7/18	N	Clear	Light Yellow/Tan very light	S	NR	NR	NR	D	Yes	foam: very tiny Very sparse patches	No	
AS01A	W1468	7/19	N	Clear	Light Yellow/Tan	NR	NR	NR	NR	NR	No		Yes	trash
AS01A	W1468	8/22	N	Clear	Clear	S	NR	D	NR	NR	No		No	
AS01A	W1468	8/23	N	Clear	Clear	D	NR	NR	NR	NR	No		Yes	trash
AS01A	W1468	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS01A	W1468	9/26	N	Clear	Clear	N	NR	NR	NR	D	No		No	
AS02	W1469	5/2	Effluent (treated) strong	Clear	Grayish	D	VD	NR	NR	VD	Yes	foam; very sparse	Yes	trash, minor quantity; shopping cart, metal pipe, floatables
AS02	W1469	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS02	W1469	6/6	Fishy also fishy slight and Effluent slight	Clear	Light Yellow/Tan	D	VD	NR	NR	VD	No		Yes	lots: floatable, pipes, miscellaneous
AS02	W1469	6/7	Effluent (treated)	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
AS02	W1469	7/18	N	Clear	Light Yellow/Tan	VD	NR	NR	NR	VD	No		Yes	trash: metals & floatables
AS02	W1469	7/19	NR	Clear	Clear	NR	NR	NR	NR	NR	No		Yes	trash
AS02	W1469	8/22	N	Clear	Clear	M	NR	NR	NR	D	No		Yes	trash: shopping cart, fence post

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS02	W1469	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS02	W1469	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS02	W1469	9/26	Effluent (treated) also Chlorine	Clear	Clear	S	NR	NR	NR	VD	No		Yes	trash
AS04	W0695	5/2	Effluent (treated)	Clear	Light Yellow/Tan	N	M	NR	NR	NR	No		No	
AS04	W0695	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS04	W0695	6/2	NA	Slightly Turbid	Clear	Not Applicable – Probe Deploy Field Sheet								
AS04	W0695	6/6	Sulfide (rotten egg) from disturbed sediments	Clear	Reddish also rusty	S	N	N	N	N	Yes	very sparse pollen/dust blanket	No	
AS04	W0695	6/7	NR	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	NR		NR	
AS04	W0695	7/14	N	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								
AS04	W0695	7/18	N	Clear	Light Yellow/Tan	D	NR	NR	NR	S	No		No	
AS04	W0695	7/19	Sulfide (rotten egg)	Slightly Turbid	Grayish	NR	NR	NR	NR	NR	No		No	
AS04	W0695	8/18	Chlorine	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								
AS04	W0695	8/22	N	Clear	Light Yellow/Tan	S	NR	NR	NR	M	No		No	
AS04	W0695	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS04	W0695	9/15	N	Slightly Turbid	Clear	Not Applicable – Probe Deploy Field Sheet								
AS04	W0695	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS04	W0695	9/26	Effluent (treated) also Chlorine	Clear	Clear	N	N	N	N	N	No		No	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS05	W1470	5/2	Effluent (treated)	Slightly Turbid	Clear	S	NR	NR	NR	NR	No		U	can't see to bottom
AS05	W1470	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS05	W1470	6/6	Effluent (treated) slight	Clear	Reddish light yellow also checked	S	N	N	N	N	Yes	very sparse patches of foam	Yes	trash; floatables
AS05	W1470	6/7	NR	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
AS05	W1470	7/18	N	Clear	Light Yellow/Tan	S	N	N	N	N	No		No	
AS05	W1470	7/19	N	Slightly Turbid	Grayish	NR	NR	NR	NR	NR	No		Yes	trash
AS05	W1470	8/22	N	Clear	Dark Tan	D	U	U	U	U	No		No	
AS05	W1470	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS05	W1470	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS05	W1470	9/26	Effluent (treated) also Chlorine	Clear	Clear	VD	NR	NR	NR	NR	No		Yes	trash
AS06	W1471	5/2	Effluent (treated) slight	U	Light Yellow/Tan	U	U	U	U	U	No		U	
AS06	W1471	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS06	W1471	6/6	Musty (Basement)	Clear	Reddish also: light yellow	N	VD	NR	NR	NR	Yes	pollen/dust blanket	No	
AS06	W1471	6/7	NR	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
AS06	W1471	7/14	N	Clear	Brownish	Not Applicable – Probe Deploy Field Sheet								
AS06	W1471	7/18	N	Slightly Turbid	Light Yellow/Tan very light	M	M	NR	NR	D	Yes	pollen/dust blanket	Yes	trash

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS06	W1471	7/19	N	Highly Turbid	Grayish	NR	NR	NR	NR	NR	No		Yes	trash
AS06	W1471	8/18	Chlorine	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS06	W1471	8/22	N	Moderately Turbid	Brownish	U	U	U	U	U	Yes	duckweed along sides	No	
AS06	W1471	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS06	W1471	9/15	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS06	W1471	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS06	W1471	9/26	N	Slightly Turbid	Clear	S	NR	NR	NR	NR	No		Yes	trash
AS07	W1472	5/2	N	Clear	Light Yellow/Tan	N	N	N	N	N	No		No	
AS07	W1472	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS07	W1472	6/6	Musty (Basement) slight	U	U	VD	U	U	U	U	Yes	pollen.dust blanket	U	can't see to bottom
AS07	W1472	6/7	NR	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	NR		NR	
AS07	W1472	7/18	N	Slightly Turbid	Light Yellow/Tan	M	N	N	N	N	No		No	
AS07	W1472	7/19	N	Slightly Turbid	Grayish	NR	NR	NR	NR	NR	No		No	
AS07	W1472	8/22	N	Clear	Brownish	D	S	NR	NR	NR	No		No	
AS07	W1472	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS07	W1472	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS07	W1472	9/26	N	Clear	Clear	D	NR	NR	NR	NR	No		Yes	trash
AS08	W1473	5/2	N	Clear	Light Yellow/Tan	U	U	U	U	U	No		U	
AS08	W1473	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS08	W1473	6/2	Musty (Basement)	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS08	W1473	6/6	N	Clear	Reddish	NR	NR	D	S	NR	No		No	
AS08	W1473	6/7	Chlorine	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	NR		NR	
AS08	W1473	7/14	N	Clear	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS08	W1473	7/18	N	Clear	Light Yellow/Tan very light	VD	N	N	N	N	No		No	
AS08	W1473	7/19	Effluent (treated)	Moderately Turbid	Brownish	NR	NR	NR	NR	NR	No		No	
AS08	W1473	8/18	Sulfide (rotten egg) also: chlorine	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS08	W1473	8/22	N	Slightly Turbid	Brownish	VD	U	U	U	U	No		No	
AS08	W1473	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS08	W1473	9/15	NA	Slightly Turbid	Clear	Not Applicable – Probe Deploy Field Sheet								
AS08	W1473	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS08	W1473	9/26	Effluent (treated) also Chlorine	Clear	Clear	D	NR	NR	NR	NR	No		Yes	trash
AS11	W1474	5/2	N	Moderately Turbid	Brownish	U	U	U	U	U	No		U	
AS11	W1474	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS11	W1474	6/2	NR	NR	NR	Not Applicable – Probe Deploy Field Sheet								
AS11	W1474	6/6	N	Clear	Reddish	VD	N	N	N	N	Yes	pollen/dust blanket	No	floatables on bank
AS11	W1474	6/7	NR	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
AS11	W1474	7/14	NA	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS11	W1474	7/18	N	Slightly Turbid	Reddish also Light Yellow	S	NR	NR	NR	D	Yes	pollen/dust blanket	No	
AS11	W1474	7/19	N	Moderately Turbid	Brownish	NR	NR	NR	NR	NR	No		No	
AS11	W1474	8/18	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS11	W1474	8/22	N	Slightly Turbid	Brownish	U	U	U	U	U	Yes	duckweed in eddies	No	
AS11	W1474	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS11	W1474	9/15	NR	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								
AS11	W1474	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS11	W1474	9/26	N	Slightly Turbid	Clear	S	NR	NR	NR	D	No		No	
AS14	W1475	5/2	N	Slightly Turbid	Light Yellow/Tan	S	NR	M	NR	NR	No		No	
AS14	W1475	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS14	W1475	6/2	Musty (Basement)	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS14	W1475	6/6	U	Slightly Turbid	Dark Tan	U	U	U	U	U	U		No	
AS14	W1475	6/7	NR	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	NR		NR	
AS14	W1475	7/14	N	Clear	Brownish	Not Applicable – Probe Deploy Field Sheet								
AS14	W1475	7/18	N	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	Yes	oily sheen	No	
AS14	W1475	7/19	N	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	No		Yes	trash
AS14	W1475	8/18	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS14	W1475	8/22	N	Slightly Turbid	NR	M	S	M	NR	NR	No		No	
AS14	W1475	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS14	W1475	9/15	N	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS14	W1475	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS14	W1475	9/26	N	Clear	Clear	U	U	U	U	U	No		No	
AS15A	W1476	5/2	N	Slightly Turbid	Dark Tan	S	NR	M	NR	NR	No		No	
AS15A	W1476	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS15A	W1476	6/2	Musty (Basement)	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS15A	W1476	6/6	NR	Slightly Turbid	Dark Tan	U	U	U	U	U	Yes	foam: probably natural foam is extensive and forms a solid film in eddies near banks	No	
AS15A	W1476	6/7	NR	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	Yes	foam	NR	
AS15A	W1476	7/14	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS15A	W1476	7/18	Musty (Basement)	Slightly Turbid	Dark Tan	S	D	NR	NR	NR	Yes	foam: some foam coming down from riffle	No	
AS15A	W1476	7/19	N	Clear	Clear	NR	NR	NR	NR	NR	No		Yes	trash
AS15A	W1476	8/18	Chlorine	Slightly Turbid	Clear	Not Applicable – Probe Deploy Field Sheet								
AS15A	W1476	8/22	N	Slightly Turbid	Grayish	S	S	S	NR	NR	No		No	
AS15A	W1476	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS15A	W1476	9/15	N	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS15A	W1476	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS15A	W1476	9/26	N	Clear	Clear	U	U	U	U	U	No		No	
AS16	W1477	5/2	N	U	Light Yellow/Tan	S	U	U	U	U	No		No	
AS16	W1477	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS16	W1477	6/2	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS16	W1477	6/6	U	Slightly Turbid	Dark Tan	U	U	U	U	U	No		No	
AS16	W1477	6/7	NR	U	U	NR	NR	NR	NR	NR	Yes	oily sheens	NR	
AS16	W1477	7/14	NA	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
AS16	W1477	7/18	U	Moderately Turbid	Brownish	D	U	U	U	U	Yes	oily sheens; algal mat; floating duckweed? Everywhere, collected on sides	Yes	trash
AS16	W1477	7/19	N	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	Yes	pollen/dust blankets; other: duckweed too	No	
AS16	W1477	8/18	Musty (Basement)	Moderately Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
AS16	W1477	8/22	Fishy	Slightly Turbid	Grayish	S	NR	S	NR	NR	No		No	
AS16	W1477	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS16	W1477	9/15	Musty (Basement)	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
AS16	W1477	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS16	W1477	9/26	N	Clear	Clear	NR	U	U	U	U	No	(some duckweed)	No	
AS16A	W1478	5/1	NR	Clear		Not Applicable – Probe Deploy Field Sheet								
AS16A	W1478	5/2	N	U	Light Yellow/Tan	N	U	U	U	U	No		No	
AS16A	W1478	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS16A	W1478	6/2	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS16A	W1478	6/6	NR	Slightly Turbid	Dark Tan	U	U	U	U	U	No		No	
AS16A	W1478	6/7	NR	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS16A	W1478	7/14	NA	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
AS16A	W1478	7/18	U	Slightly Turbid	Brownish	M	U	U	U	U	Yes	pollen/dust blankets and algal mat: some nasty and large aggregations, green pollen film visible outside of main flow, duckweed present in flow and coating slack water	No	
AS16A	W1478	7/19	Musty (Basement)	U	Light Yellow/Tan	NR	NR	NR	NR	NR	Yes	pollen/dust blankets	No	
AS16A	W1478	8/18	N	Highly Turbid	NR	Not Applicable – Probe Deploy Field Sheet								
AS16A	W1478	8/22	N	Slightly Turbid	Brownish	M	S	NR	NR	NR	Yes	other: duckweed	No	
AS16A	W1478	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS16A	W1478	9/15	NR	Slightly Turbid	Clear	Not Applicable – Probe Deploy Field Sheet								
AS16A	W1478	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS16A	W1478	9/26	N	Slightly Turbid	Clear	D	U	U	U	U	Yes	algal mat	No	
AS20	W1479	5/1	N	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS20	W1479	5/2	N	Slightly Turbid	Light Yellow/Tan	N	NR	M	NR	NR	No		No	
AS20	W1479	5/3	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS20	W1479	6/2	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS20	W1479	6/6	N	Slightly Turbid	Dark Tan	U	U	U	U	U	No		No	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
AS20	W1479	6/7	NR	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	Yes	foam	NR	
AS20	W1479	7/14	Septic	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS20	W1479	7/18	Musty (Basement) strong!	Slightly Turbid	Tan	NR	NR	NR	NR	NR	No		No	
AS20	W1479	7/19	N	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	No		Yes	orange floc
AS20	W1479	8/18	Chlorine	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS20	W1479	8/22	N	Slightly Turbid	Grayish	N	N	N	N	N	No		No	
AS20	W1479	8/23	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS20	W1479	9/15	Musty (Basement)	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
AS20	W1479	9/25	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
AS20	W1479	9/26	Effluent (treated)	Clear	Clear	N	U	U	U	U	No		No	
CO01	W1482	5/2	N	U	Light Yellow/Tan	S	U	U	U	U	No		Yes	trash
CO01	W1482	5/4	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO01	W1482	6/2	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO01	W1482	6/6	N	U	U	N	U	U	U	U	No		No	
CO01	W1482	6/8	NR	U	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO01	W1482	7/14	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO01	W1482	7/18	N	Slightly Turbid	Light Yellow/Tan	N	U	U	U	U	Yes	pollen/dust blanket; leaves	Yes	trash: on banks
CO01	W1482	7/20	N	Moderately Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO01	W1482	8/18	N	Highly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
CO01	W1482	8/22	N	Moderately Turbid	Grayish	N	U	U	U	U	Yes	pollen/dust blankets; leaves	Yes	trash: on banks
CO01	W1482	8/24	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO01	W1482	9/15	NR	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO01	W1482	9/26	N	Moderately Turbid	Green	N	U	U	U	U	No		Yes	trash: on banks
CO02	W1483	5/2	N	Clear	Clear	N	U	U	U	U	No		No	
CO02	W1483	5/4	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO02	W1483	6/5	NR	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO02	W1483	6/6	N	U	Light Yellow/Tan	S	U	U	U	U	Yes	pollen/dust blanket	No	
CO02	W1483	6/8	NR	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO02	W1483	7/17	NA	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO02	W1483	7/18	N	Slightly Turbid	Light Yellow/Tan	N	NR	NR	NR	NR	No		U	
CO02	W1483	7/20	N	Highly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO02	W1483	8/21	N	Moderately Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
CO02	W1483	8/22	N	Slightly Turbid	Light Yellow/Tan	S	U	U	U	U	NR		U	
CO02	W1483	8/24	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO02	W1483	9/18	N	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
CO02	W1483	9/26	Musty (Basement)	Moderately Turbid	Green	N	U	U	U	U	No		U	too deep
CO03	W1484	5/4	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO03	W1484	6/8	N	Slightly Turbid	Dark Tan	NR	NR	NR	NR	NR	NR		NR	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
CO03	W1484	7/20	N	Moderately Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO03	W1484	8/22	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO03	W1484	8/24	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO03	W1484	9/26	N	Slightly Turbid	Light Yellow/Tan	N	U	U	U	U	No		No	
CO04	W1485	5/2	N	Slightly Turbid	Light Yellow/Tan	N	U	U	U	U	No		No	
CO04	W1485	5/4	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO04	W1485	6/5	NR	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO04	W1485	6/6	N	Clear	Light Yellow/Tan	U	U	U	U	U	No		No	
CO04	W1485	6/8	N	Clear	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO04	W1485	7/17	NA	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO04	W1485	7/18	N	Slightly Turbid	Light Yellow/Tan	S	U	U	U	U	Yes	pollen/dust blankets; other: leaves	No	
CO04	W1485	7/20	N	Moderately Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO04	W1485	8/21	N	NR	NR	Not Applicable – Probe Deploy Field Sheet								
CO04	W1485	8/22	N	Slightly Turbid	Green	S	U	U	U	U	Yes	pollen/dust blanket	U	
CO04	W1485	8/24	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO04	W1485	9/18	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO04	W1485	9/26	N	Slightly Turbid	Light Yellow/Tan	N	U	U	U	U	No		No	
CO05	W1486	5/2	N	Slightly Turbid	Grayish	U	D	NR	NR	NR	Yes	pollen/dust blanket	No	
CO05	W1486	5/4	NR	Slightly Turbid	NR	NR	NR	NR	NR	NR	NR		NR	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
CO05	W1486	6/5	NR	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO05	W1486	6/6	N	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	No		No	
CO05	W1486	6/8	N	U	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO05	W1486	7/17	NA	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
CO05	W1486	7/18	N	Slightly Turbid	Dark Tan	U	U	U	U	U	No		No	
CO05	W1486	7/20	N	Moderately Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO05	W1486	8/21	N	Moderately Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
CO05	W1486	8/22	N	Moderately Turbid	Grayish	N	S	S	NR	NR	Yes	pollen/dust blanket	No	
CO05	W1486	8/24	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO05	W1486	9/18	NR	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
CO05	W1486	9/26	N	Slightly Turbid	Green	N	NR	NR	M	NR	Yes	pollen/dust blanket; also leaves	No	
CO08	W1487	5/2	N	Moderately Turbid	Brownish	U	U	U	U	U	No		Yes	trash: general urban rive junk - some litter, some trash, 1 shopping cart
CO08	W1487	5/4	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO08	W1487	6/6	N	Moderately Turbid	Brownish	U	U	U	U	U	Yes	foam	U	
CO08	W1487	6/8	NR	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
CO08	W1487	7/17	NA	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
CO08	W1487	7/18	N	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	U		No	
CO08	W1487	7/20	N	Slightly Turbid	Clear	NR	NR	NR	NR	NR	NR		NR	
CO08	W1487	8/21	N	Moderately Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
CO08	W1487	8/22	N	Slightly Turbid	Clear	N	NR	D	NR	NR	No		Yes	trash: on banks and in-stream, shopping carts, etc.
CO08	W1487	8/24	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
CO08	W1487	9/18	N	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
CO08	W1487	9/26	N	Slightly Turbid	Clear	N	NR	NR	VD	NR	No		Yes	trash: shopping carts instream; trash everywhere on banks and instream
MA0100412	W1611	7/18	N	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								
MA0100412	W1611	8/22	N	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								
MA0100412	W1611	9/26	Effluent (treated)	Clear	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
MA0100480	W1610	7/18	NR	NR	NR	Not Applicable – Probe Deploy Field Sheet								
MA0100480	W1610	8/22	N	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								
MA0100480	W1610	9/26	Effluent (treated)	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
MA0101001	W1608	7/18	NR	NR	NR	Not Applicable – Probe Deploy Field Sheet								
MA0101001	W1608	8/22	NR	NR	NR	Not Applicable – Probe Deploy Field Sheet								
MA0101001	W1608	9/26	Effluent (treated) also chlorine residual	Slightly Turbid	Clear	Not Applicable – Probe Deploy Field Sheet								
MA0101788	W1609	7/18	NR	NR	NR	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
MA0101788	W1609	8/22	NR	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
MA0101788	W1609	9/26	Effluent (treated)	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
RM01	W1488	5/2	N	Clear	Light Yellow/Tan	N	NR	NR	M	NR	Yes	foam; extensive surface foam but not mounded	No	
RM01	W1488	5/4	N	Clear	Dark Tan	NR	NR	NR	NR	NR	NR		NR	
RM01	W1488	6/5	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
RM01	W1488	6/6	N	Clear	Brownish	U	U	U	U	U	Yes	foam	NR	
RM01	W1488	6/8	Musty (Basement)	Clear	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
RM01	W1488	7/17	NA	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
RM01	W1488	7/18	N	Slightly Turbid	Dark Tan	U	U	U	U	U	Yes	foam	No	
RM01	W1488	7/20	N	Highly Turbid	Dark Tan	NR	NR	NR	NR	NR	Yes	foam	NR	
RM01	W1488	8/21	N	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
RM01	W1488	8/22	N	Clear	Light Yellow/Tan	N	N	N	N	N	Yes	foam: usual surface foam/scum	No	
RM01	W1488	8/24	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
RM01	W1488	9/18	Musty (Basement)	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
RM01	W1488	9/26	Musty (Basement)	Clear	Dark Tan	N	U	U	U	U	Yes	foam	No	
RM10	W1489	5/2	Musty (Basement)	Slightly Turbid	Light Yellow/Tan	U	U	U	U	U	No		Yes	trash: small amount trash in and on banks
RM10	W1489	5/4	NR	Clear	NR	NR	NR	NR	NR	NR	NR		NR	
RM10	W1489	6/5	NR	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
RM10	W1489	6/6	N	Clear	Light Yellow/Tan	U	U	U	U	U	Yes	pollen/dust blanket; foam	Yes	trash: hung up on bridge abutment
RM10	W1489	6/8	NR	Clear	Dark Tan	NR	NR	NR	NR	NR	NR		NR	
RM10	W1489	7/17	NA	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
RM10	W1489	7/18	N	Slightly Turbid	NR	U	U	U	U	U	No		No	
RM10	W1489	7/20	Musty (Basement)	Slightly Turbid	Light Yellow/Tan	NR	NR	NR	NR	NR	NR		NR	
RM10	W1489	8/21	N	Clear	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
RM10	W1489	8/22	N	Clear	Clear	N	NR	NR	NR	VD	No		Yes	trash
RM10	W1489	8/24	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	
RM10	W1489	9/18	N	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								
RM10	W1489	9/26	Musty (Basement)	Clear	Clear	N	M	NR	D	NR	No		Yes	trash
SU01	W0832	5/2	N	Clear	Brownish	N	N	N	N	N	No		No	
SU01	W0832	5/4	N	Clear	Brownish	M	N	N	N	N	No	some foam (natural)	No	
SU01	W0832	6/5	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU01	W0832	6/6	N	Clear	Reddish	N	NR	M	NR	NR	Yes	foam	No	
SU01	W0832	6/8	N	Slightly Turbid	Dark Tan	U	U	U	U	U	Yes	foam: small amount of probably natural foam	No	
SU01	W0832	7/17	N	Moderately Turbid	Rusty (orangish)	Not Applicable – Probe Deploy Field Sheet								
SU01	W0832	7/18	N	Slightly Turbid	Brownish	N	NR	NR	NR	NR	Yes	natural foam	No	
SU01	W0832	7/20	N	Clear	Brownish	N	NR	NR	NR	M	No	natural foam	No	
SU01	W0832	8/21	N	Highly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
SU01	W0832	8/22	N	Slightly Turbid	Brownish	N	NR	NR	NR	NR	Yes	natural foam	No	
SU01	W0832	8/24	N	Clear	Brownish	N	NR	NR	NR	NR	NR		No	
SU01	W0832	9/18	N	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU01	W0832	9/26	N	Slightly Turbid	Brownish	N	NR	NR	NR	D	Yes	natural foam	No	
SU04A	W0838	5/2	N	Slightly Turbid	Brownish	N	N	N	N	N	No		No	
SU04A	W0838	5/4	N	Slightly Turbid	Brownish	U	U	U	U	U	No	some foam (natural)	Yes	some trash litter
SU04A	W0838	6/5	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU04A	W0838	6/6	N	Clear	Reddish	N	U	U	U	U	Yes	foam	No	
SU04A	W0838	6/8	NR	Slightly Turbid	Dark Tan	U	U	U	U	U	Yes	foam: small amount of probably natural foam	No	
SU04A	W0838	7/17	N	Moderately Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
SU04A	W0838	7/18	N	Highly Turbid	Brownish	U	U	U	U	U	No	natural foam	No	
SU04A	W0838	7/20	N	Moderately Turbid	Brownish	U	U	U	U	U	No	natural foam	No	
SU04A	W0838	8/21	NA	Slightly Turbid	NA	Not Applicable – Probe Deploy Field Sheet								
SU04A	W0838	8/22	N	Highly Turbid	Brownish	U	U	U	U	U	Yes	small amount of natural foam	No	
SU04A	W0838	8/24	N	Moderately Turbid	Brownish	NR	NR	NR	NR	NR	Yes	foam: some natural foam	No	
SU04A	W0838	9/18	N	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU04A	W0838	9/26	N	Moderately Turbid	Brownish	U	U	U	U	U	No		No	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
SU07	W0696	5/2	N	Slightly Turbid	Brownish	N	NR	N	N	N	No		No	
SU07	W0696	5/4	N	Clear	Clear	N	NR	NR	NR	NR	No		No	
SU07	W0696	6/5	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU07	W0696	6/6	N	Clear	Reddish	N	N	N	N	N	No		Yes	trash
SU07	W0696	6/8	NR	Slightly Turbid	NR	U	U	U	U	U	Yes	natural foam	Yes	trash
SU07	W0696	7/17	N	Slightly Turbid	Rusty (orangish)	Not Applicable – Probe Deploy Field Sheet								
SU07	W0696	7/18	N	Slightly Turbid	Brownish slight	N	NR	NR	NR	NR	No		Yes	trash
SU07	W0696	7/20	N	Clear	Brownish	N	NR	NR	NR	NR	No	little amount of foam	No	trash
SU07	W0696	8/21	N	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								
SU07	W0696	8/22	N	Clear	Brownish slightly	N	NR	NR	NR	NR	No		No	
SU07	W0696	8/24	N	Clear	Brownish	N	NR	NR	NR	NR	NR		Yes	trash: some minor trash - paper cup holders, etc.
SU07	W0696	9/18	N	Clear	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU07	W0696	9/26	N	Slightly Turbid	Brownish	N	N	N	N	N	No		No	
SU08	W1480	5/2	N	Clear	Clear	N	N	N	N	N	No		No	
SU08	W1480	5/4	N	Clear	Clear	N	N	N	N	N	No		No	
SU08	W1480	6/6	N	Clear	Brownish	N	U	U	U	U	Yes	pollen/dust blanket	No	
SU08	W1480	6/8	NR	Slightly Turbid	Dark Tan	U	U	U	U	U	No		No	
SU08	W1480	7/18	N	Clear	Clear	M	N	N	N	N	No		No	
SU08	W1480	7/20	N	Clear	Brownish	NR	NR	NR	NR	NR	No		No	
SU08	W1480	8/22	N	Clear	Clear	M	N	N	N	N	No		No	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
SU08	W1480	8/24	NR	NR	NR	NR	NR	NR	NR	NR	No		No	
SU08	W1480	9/26	N	Clear	Brownish	M	NR	NR	NR	NR	No		No	
SU09	W0850	5/2	N	Slightly Turbid	Brownish also: greenish	S	NR	NR	NR	NR	No		No	
SU09	W0850	5/4	N	Slightly Turbid	Green	S	N	N	N	N	No		No	
SU09	W0850	6/5	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU09	W0850	6/6	N	Slightly Turbid	Brownish	D	U	U	U	U	No		No	
SU09	W0850	6/8	NR	Slightly Turbid	Dark Tan	U	U	U	U	U	Yes	algal mat	No	
SU09	W0850	7/17	N	Moderately Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
SU09	W0850	7/18	N	Moderately Turbid	Brownish	M	NR	NR	NR	S	No		No	
SU09	W0850	7/20	N	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	No		No	
SU09	W0850	8/21	NA	Highly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
SU09	W0850	8/22	N	Moderately Turbid	Brownish	S	NR	NR	NR	NR	No		No	
SU09	W0850	8/24	N	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	No		No	
SU09	W0850	9/18	N	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU09	W0850	9/26	N	Moderately Turbid	Brownish	N	NR	NR	NR	S	No		No	
SU12	W0847	5/2	N	Clear	Clear	N	N	N	N	N	Yes	oily sheen from pilings	No	

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
SU12	W0847	5/4	Petroleum Tar from bridge wood pilings but not water itself	Slightly Turbid	Clear	S	N	N	N	N	No		No	
SU12	W0847	6/6	N	Clear	Reddish	M	U	U	U	U	No		No	
SU12	W0847	6/8	NR	Slightly Turbid	Dark Tan	U	U	U	U	U	Yes	oily sheen	No	
SU12	W0847	7/18	N	Slightly Turbid	Brownish	NR	U	U	U	U	Yes	pollen/dust blanket	No	
SU12	W0847	7/20	N	Clear	Brownish	NR	NR	NR	NR	NR	No		No	
SU12	W0847	8/22	N	Highly Turbid	Brownish	N	N	N	N	N	No		No	
SU12	W0847	8/24	N	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	No		No	
SU12	W0847	9/26	N	Moderately Turbid	Brownish	N	NR	NR	NR	NR	No		No	
SU14	W1481	5/2	N	Slightly Turbid	Brownish	N	U	U	U	U	No		No	
SU14	W1481	5/4	N	Slightly Turbid	Clear	S	U	U	U	U	No		No	
SU14	W1481	6/5	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU14	W1481	6/6	NR	Clear	Brownish	U	U	U	U	U	No		No	
SU14	W1481	6/8	N	Slightly Turbid	Clear	U	U	U	U	U	No		No	
SU14	W1481	7/17	N	Moderately Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
SU14	W1481	7/18	N	Slightly Turbid	Brownish	S	U	U	U	U	No		No	
SU14	W1481	7/20	N	Clear	Brownish	NR	NR	NR	NR	NR	No		No	
SU14	W1481	8/21	N	Highly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
SU14	W1481	8/22	N	Moderately Turbid	Brownish	S	U	U	U	U	No		Yes	wood chips floating on surface from bridge construction
SU14	W1481	8/24	N	Clear	Clear	NR	NR	NR	NR	NR	No		No	
SU14	W1481	9/18	N	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU14	W1481	9/26	N	Highly Turbid	Brownish	N	NR	NR	NR	NR	No		No	
SU15	W0844	5/1	NR	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU15	W0844	5/2	N	U	Light Yellow/Tan	S	U	U	U	U	No		No	
SU15	W0844	5/4	N	Clear	Clear	U	U	U	U	U	No		No	
SU15	W0844	6/2	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU15	W0844	6/6	U	Slightly Turbid	Dark Tan	U	U	U	U	U	No		No	
SU15	W0844	6/8	N	Slightly Turbid	Clear	U	U	U	U	U	No		No	
SU15	W0844	7/14	N	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
SU15	W0844	7/18	U	Slightly Turbid	Dark Tan	U	U	U	U	U	Yes	pollen/dust blanket: pollen blanket along banks, not in flow	No	
SU15	W0844	7/20	N	Clear	Brownish	U	NR	NR	NR	NR	No		No	
SU15	W0844	8/18	N	Highly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
SU15	W0844	8/22	N	Slightly Turbid	Brownish	S	NR	S	NR	NR	No		No	
SU15	W0844	8/24	N	Clear	Brownish	NR	NR	NR	NR	NR	No		No	
SU15	W0844	9/15	N	Moderately Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								

Station ID	Unique ID	Date	Odor	Water Clarity	Color	Aquatic Plants	Filamentous Algae	Film Algae	Loose Floc	Moss	Floating Scum	Floating Scum Comments	Objectionable Deposits	Objectionable Deposit Comments
SU15	W0844	9/26	N	Moderately Turbid	Clear	U	U	U	U	U	No		No	
WB01	W0849	5/2	N	Clear	Clear	N	N	N	N	N	No		No	
WB01	W0849	5/4	N	Clear	Clear	U	U	U	U	U	No		No	
WB01	W0849	6/5	N	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
WB01	W0849	6/6	N	Clear	Brownish	D	N	N	N	N	Yes	pollen/dust blanket	No	
WB01	W0849	6/8	N	Slightly Turbid	Dark Tan	U	U	U	U	U	No		No	
WB01	W0849	7/17	N	Slightly Turbid	Brownish	Not Applicable – Probe Deploy Field Sheet								
WB01	W0849	7/18	N	Moderately Turbid	Brownish	D	N	N	N	N	No		No	
WB01	W0849	7/20	N	Clear	Brownish	NR	NR	NR	NR	NR	No		No	
WB01	W0849	8/21	NA	Slightly Turbid	Light Yellow/Tan	Not Applicable – Probe Deploy Field Sheet								
WB01	W0849	8/22	N	Slightly Turbid	Brownish	M	U	U	U	U	No		No	
WB01	W0849	8/24	N	Slightly Turbid	Brownish	NR	NR	NR	NR	NR	No		No	
WB01	W0849	9/18	N	Clear	Clear	Not Applicable – Probe Deploy Field Sheet								
WB01	W0849	9/26	N	Clear	Clear	M	N	N	N	N	No		No	

Water Quality Data

All MassDEP DWM water quality data are managed and maintained in the Water Quality Data Access Database (WQD). Tables 7 – 12, below, provide the 2006 Concord River Watershed water quality data. Table 7 provides water quality data and chemistry for all water quality sites. Table 8 summarizes the number and geometric mean of E. coli samples collected at water quality sites. Table 9 provides attended multiprobe water quality data. Table 10 summarizes dissolved oxygen data collected using unattended multiprobes. Finally, Table 11 summarizes temperature data collected using unattended multiprobes. The procedures used to accept, accept with qualification or censor data are based on the DWM Standard Operating Procedures (SOP) for data validation and usability (MassDEP 2012a), and are in addition to separate quality assurance activities and laboratory validation steps undertaken by WES. Definitions for the data qualifiers are provided in Appendix 1.

Table 7. 2006 MassDEP DWM Concord River Watershed water quality data.

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS01	W0843	82-0406	6/6	12:30	Total Nitrogen	1.6	mg/L	
AS01	W0843	82-0568	7/18	11:24	Total Nitrogen	1.5	mg/L	
AS01	W0843	82-0682	8/22	12:25	Total Nitrogen	2.5	mg/L	
AS01	W0843	82-0951	9/26	10:05	Total Nitrogen	2.2	mg/L	
AS01	W0843	82-0185	5/2	11:40	Total Phosphorus	0.072	mg/L	
AS01	W0843	82-0406	6/6	12:30	Total Phosphorus	0.087	mg/L	
AS01	W0843	82-0568	7/18	11:24	Total Phosphorus	0.083	mg/L	
AS01	W0843	82-0682	8/22	12:25	Total Phosphorus	0.072	mg/L	
AS01	W0843	82-0951	9/26	10:05	Total Phosphorus	0.055	mg/L	
AS01	W0843	82-0682	8/22	12:25	Nitrate/Nitrite-N	1.9	mg/L	
AS01	W0843	82-0951	9/26	10:05	Nitrate/Nitrite-N	1.6	mg/L	
AS01	W0843	82-0185	5/2	11:40	Ammonia-N	0.03	mg/L	
AS01	W0843	82-0406	6/6	12:30	Ammonia-N	0.04	mg/L	
AS01	W0843	82-0568	7/18	11:24	Ammonia-N	0.04	mg/L	
AS01	W0843	82-0682	8/22	12:25	Ammonia-N	0.05	mg/L	
AS01	W0843	82-0951	9/26	10:05	Ammonia-N	0.03	mg/L	
AS01	W0843	82-0185	5/2	11:40	Suspended Solids	6.7	mg/L	
AS01	W0843	82-0406	6/6	12:30	Suspended Solids	4.9	mg/L	
AS01	W0843	82-0568	7/18	11:24	Suspended Solids	2.7	mg/L	
AS01	W0843	82-0682	8/22	12:25	Suspended Solids	4.4	mg/L	
AS01	W0843	82-0951	9/26	10:05	Suspended Solids	1.1	mg/L	
AS01	W0843	82-0195	5/3	11:20	*E. coli*	280	CFU/100mL	e
AS01	W0843	82-0428	6/7	13:05	*E. coli*	470	CFU/100mL	e
AS01	W0843	82-0606	7/19	12:07	*E. coli*	370	CFU/100mL	e
AS01	W0843	82-0720	8/23	10:56	*E. coli*	370	CFU/100mL	
AS01	W0843	82-0990	9/25	11:00	*E. coli*	400	CFU/100mL	m
AS01	W0843	82-0195	5/3	11:20	Fecal Coliforms	140	CFU/100mL	e
AS01	W0843	82-0428	6/7	13:05	Fecal Coliforms	380	CFU/100mL	e
AS01	W0843	82-0606	7/19	12:07	Fecal Coliforms	340	CFU/100mL	e
AS01	W0843	82-0720	8/23	10:56	Fecal Coliforms	390	CFU/100mL	
AS01	W0843	82-0990	9/25	11:00	Fecal Coliforms	400	CFU/100mL	m

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS01	W0843	82-0406	6/6	12:30	Apparent color	70	PCU	
AS01	W0843	82-0568	7/18	11:24	Apparent color	55	PCU	
AS01	W0843	82-0682	8/22	12:25	Apparent color	28	PCU	
AS01	W0843	82-0406	6/6	12:30	True color	60	PCU	
AS01	W0843	82-0568	7/18	11:24	True color	45	PCU	
AS01	W0843	82-0682	8/22	12:25	True color	20	PCU	
AS01	W0843	82-0406	6/6	12:30	Turbidity	3.5	NTU	
AS01	W0843	82-0568	7/18	11:24	Turbidity	2.9	NTU	
AS01	W0843	82-0682	8/22	12:25	Turbidity	2.5	NTU	
AS01A	W1468	82-0190	6/6	8:38	Total Nitrogen	0.44	mg/L	
AS01A	W1468	82-0551	7/18	8:15	Total Nitrogen	0.63	mg/L	
AS01A	W1468	82-0665	8/22	8:25	Total Nitrogen	0.99	mg/L	
AS01A	W1468	82-0934	9/26	7:53	Total Nitrogen	0.46	mg/L	
AS01A	W1468	82-0150	5/2	8:40	Total Phosphorus	0.017	mg/L	
AS01A	W1468	82-0190	6/6	8:38	Total Phosphorus	0.021	mg/L	
AS01A	W1468	82-0551	7/18	8:15	Total Phosphorus	0.023	mg/L	
AS01A	W1468	82-0665	8/22	8:25	Total Phosphorus	0.018	mg/L	
AS01A	W1468	82-0934	9/26	7:53	Total Phosphorus	0.016	mg/L	
AS01A	W1468	82-0665	8/22	8:25	Nitrate/Nitrite-N	0.76	mg/L	
AS01A	W1468	82-0934	9/26	7:53	Nitrate/Nitrite-N	0.03	mg/L	
AS01A	W1468	82-0150	5/2	8:40	Ammonia-N	<0.02	mg/L	
AS01A	W1468	82-0190	6/6	8:38	Ammonia-N	<0.02	mg/L	
AS01A	W1468	82-0551	7/18	8:15	Ammonia-N	0.03	mg/L	
AS01A	W1468	82-0665	8/22	8:25	Ammonia-N	0.02	mg/L	
AS01A	W1468	82-0934	9/26	7:53	Ammonia-N	<0.02	mg/L	
AS01A	W1468	82-0150	5/2	8:40	Suspended Solids	2.0	mg/L	
AS01A	W1468	82-0190	6/6	8:38	Suspended Solids	##	mg/L	b
AS01A	W1468	82-0551	7/18	8:15	Suspended Solids	1.1	mg/L	
AS01A	W1468	82-0665	8/22	8:25	Suspended Solids	<1.0	mg/L	
AS01A	W1468	82-0934	9/26	7:53	Suspended Solids	1.5	mg/L	
AS01A	W1468	82-0160	5/3	8:35	*E. coli*	140	CFU/100mL	e
AS01A	W1468	82-0294	6/7	8:40	*E. coli*	400	CFU/100mL	e
AS01A	W1468	82-0590	7/19	8:04	*E. coli*	210	CFU/100mL	e
AS01A	W1468	82-0703	8/23	8:29	*E. coli*	120	CFU/100mL	e
AS01A	W1468	82-0973	9/25	8:35	*E. coli*	6	CFU/100mL	m
AS01A	W1468	82-0160	5/3	8:35	Fecal Coliforms	59	CFU/100mL	e
AS01A	W1468	82-0294	6/7	8:40	Fecal Coliforms	290	CFU/100mL	e
AS01A	W1468	82-0590	7/19	8:04	Fecal Coliforms	140	CFU/100mL	e
AS01A	W1468	82-0703	8/23	8:29	Fecal Coliforms	93	CFU/100mL	e
AS01A	W1468	82-0973	9/25	8:35	Fecal Coliforms	26	CFU/100mL	m
AS01A	W1468	82-0822	8/22	8:23	Hardness	71	mg/L as CaCO3	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS01A	W1468				Hardness	85	mg/L	
AS01A	W1468	82-0190	6/6	8:38	Apparent color	23	PCU	
AS01A	W1468	82-0551	7/18	8:15	Apparent color	29	PCU	
AS01A	W1468	82-0665	8/22	8:25	Apparent color	<15	PCU	
AS01A	W1468	82-0190	6/6	8:38	True color	23	PCU	
AS01A	W1468	82-0551	7/18	8:15	True color	23	PCU	
AS01A	W1468	82-0665	8/22	8:25	True color	<15	PCU	
AS01A	W1468	82-0190	6/6	8:38	Turbidity	1.7	NTU	
AS01A	W1468	82-0551	7/18	8:15	Turbidity	1.7	NTU	
AS01A	W1468	82-0665	8/22	8:25	Turbidity	1.1	NTU	b
AS02	W1469	82-0390	6/6	9:09	Total Nitrogen	3.9	mg/L	
AS02	W1469	82-0552	7/18	8:45	Total Nitrogen	4.8	mg/L	
AS02	W1469	82-0666	8/22	9:09	Total Nitrogen	7.2	mg/L	
AS02	W1469	82-0935	9/26	8:20	Total Nitrogen	2.9	mg/L	
AS02	W1469	82-0151	5/2	9:05	Total Phosphorus	0.38	mg/L	
AS02	W1469	82-0390	6/6	9:09	Total Phosphorus	0.13	mg/L	
AS02	W1469	82-0552	7/18	8:45	Total Phosphorus	0.38	mg/L	
AS02	W1469	82-0666	8/22	9:09	Total Phosphorus	0.44	mg/L	
AS02	W1469	82-0935	9/26	8:20	Total Phosphorus	0.17	mg/L	
AS02	W1469	82-0666	8/22	9:09	Nitrate/Nitrite-N	6.2	mg/L	
AS02	W1469	82-0935	9/26	8:20	Nitrate/Nitrite-N	2.1	mg/L	
AS02	W1469	82-0151	5/2	9:05	Ammonia-N	0.06	mg/L	
AS02	W1469	82-0390	6/6	9:09	Ammonia-N	0.04	mg/L	
AS02	W1469	82-0552	7/18	8:45	Ammonia-N	0.07	mg/L	
AS02	W1469	82-0666	8/22	9:09	Ammonia-N	0.07	mg/L	
AS02	W1469	82-0935	9/26	8:20	Ammonia-N	0.02	mg/L	
AS02	W1469	82-0151	5/2	9:05	Suspended Solids	2.4	mg/L	
AS02	W1469	82-0390	6/6	9:09	Suspended Solids	##	mg/L	b
AS02	W1469	82-0552	7/18	8:45	Suspended Solids	2.5	mg/L	
AS02	W1469	82-0666	8/22	9:09	Suspended Solids	2.1	mg/L	
AS02	W1469	82-0935	9/26	8:20	Suspended Solids	2.1	mg/L	
AS02	W1469	82-0161	5/3	8:45	*E. coli*	370	CFU/100mL	
AS02	W1469	82-0295	6/7	9:06	*E. coli*	2800	CFU/100mL	
AS02	W1469	82-0591	7/19	8:24	*E. coli*	800	CFU/100mL	
AS02	W1469	82-0704	8/23	8:19	*E. coli*	190	CFU/100mL	e
AS02	W1469	82-0974	9/25	8:46	*E. coli*	26	CFU/100mL	m
AS02	W1469	82-0161	5/3	8:45	Fecal Coliforms	460	CFU/100mL	
AS02	W1469	82-0295	6/7	9:06	Fecal Coliforms	2800	CFU/100mL	
AS02	W1469	82-0591	7/19	8:24	Fecal Coliforms	1200	CFU/100mL	
AS02	W1469	82-0704	8/23	8:19	Fecal Coliforms	130	CFU/100mL	e
AS02	W1469	82-0974	9/25	8:46	Fecal Coliforms	65	CFU/100mL	m
AS02	W1469	82-0390	6/6	9:09	Apparent color	23	PCU	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS02	W1469	82-0552	7/18	8:45	Apparent color	15	PCU	
AS02	W1469	82-0666	8/22	9:09	Apparent color	<15	PCU	
AS02	W1469	82-0390	6/6	9:09	True color	22	PCU	
AS02	W1469	82-0552	7/18	8:45	True color	<15	PCU	
AS02	W1469	82-0666	8/22	9:09	True color	<15	PCU	
AS02	W1469	82-0390	6/6	9:09	Turbidity	2.0	NTU	
AS02	W1469	82-0552	7/18	8:45	Turbidity	1.9	NTU	
AS02	W1469	82-0666	8/22	9:09	Turbidity	1.0	NTU	b
AS04	W0695	82-0391	6/6	9:40	Total Nitrogen	1.8	mg/L	
AS04	W0695	82-0553	7/18	9:10	Total Nitrogen	3.8	mg/L	
AS04	W0695	82-0667	8/22	9:42	Total Nitrogen	4.1	mg/L	
AS04	W0695	82-0936	9/26	8:43	Total Nitrogen	3.5	mg/L	
AS04	W0695	82-0153	5/2	9:30	Total Phosphorus	0.21	mg/L	
AS04	W0695	82-0391	6/6	9:40	Total Phosphorus	0.089	mg/L	
AS04	W0695	82-0553	7/18	9:10	Total Phosphorus	0.27	mg/L	
AS04	W0695	82-0667	8/22	9:42	Total Phosphorus	0.30	mg/L	
AS04	W0695	82-0936	9/26	8:43	Total Phosphorus	0.22	mg/L	
AS04	W0695	82-0667	8/22	9:42	Nitrate/Nitrite-N	3.0	mg/L	
AS04	W0695	82-0936	9/26	8:43	Nitrate/Nitrite-N	2.4	mg/L	
AS04	W0695	82-0153	5/2	9:30	Ammonia-N	0.06	mg/L	
AS04	W0695	82-0391	6/6	9:40	Ammonia-N	0.06	mg/L	
AS04	W0695	82-0553	7/18	9:10	Ammonia-N	0.06	mg/L	
AS04	W0695	82-0667	8/22	9:42	Ammonia-N	0.08	mg/L	
AS04	W0695	82-0936	9/26	8:43	Ammonia-N	0.03	mg/L	
AS04	W0695	82-0153	5/2	9:30	Suspended Solids	3.8	mg/L	
AS04	W0695	82-0391	6/6	9:40	Suspended Solids	##	mg/L	b
AS04	W0695	82-0553	7/18	9:10	Suspended Solids	1.4	mg/L	
AS04	W0695	82-0667	8/22	9:42	Suspended Solids	2.6	mg/L	
AS04	W0695	82-0936	9/26	8:43	Suspended Solids	1.6	mg/L	
AS04	W0695	82-0163	5/3	8:56	*E. coli*	300	CFU/100mL	
AS04	W0695	82-0297	6/7	9:32	*E. coli*	960	CFU/100mL	e
AS04	W0695	82-0592	7/19	8:43	*E. coli*	2000	CFU/100mL	e
AS04	W0695	82-0705	8/23	8:44	*E. coli*	190	CFU/100mL	
AS04	W0695	82-0975	9/25	8:57	*E. coli*	180	CFU/100mL	e, m
AS04	W0695	82-0163	5/3	8:56	Fecal Coliforms	340	CFU/100mL	
AS04	W0695	82-0297	6/7	9:32	Fecal Coliforms	900	CFU/100mL	e
AS04	W0695	82-0592	7/19	8:43	Fecal Coliforms	1600	CFU/100mL	e
AS04	W0695	82-0705	8/23	8:44	Fecal Coliforms	200	CFU/100mL	
AS04	W0695	82-0975	9/25	8:57	Fecal Coliforms	140	CFU/100mL	e, m
AS04	W0695	82-0391	6/6	9:40	Apparent color	55	PCU	
AS04	W0695	82-0553	7/18	9:10	Apparent color	16	PCU	
AS04	W0695	82-0667	8/22	9:42	Apparent color	21	PCU	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS04	W0695	82-0391	6/6	9:40	True color	49	PCU	
AS04	W0695	82-0553	7/18	9:10	True color	15	PCU	
AS04	W0695	82-0667	8/22	9:42	True color	<15	PCU	
AS04	W0695	82-0391	6/6	9:40	Turbidity	3.3	NTU	
AS04	W0695	82-0553	7/18	9:10	Turbidity	1.5	NTU	
AS04	W0695	82-0667	8/22	9:42	Turbidity	2.0	NTU	b
AS05	W1470	82-0394	6/6	10:00	Total Nitrogen	1.8	mg/L	
AS05	W1470	82-0556	7/18	9:36	Total Nitrogen	3.0	mg/L	
AS05	W1470	82-0670	8/22	10:13	Total Nitrogen	3.7	mg/L	
AS05	W1470	82-0939	9/26	9:07	Total Nitrogen	3.2	mg/L	
AS05	W1470	82-0155	5/2	9:50	Total Phosphorus	0.22	mg/L	
AS05	W1470	82-0394	6/6	10:00	Total Phosphorus	0.10	mg/L	
AS05	W1470	82-0556	7/18	9:36	Total Phosphorus	0.18	mg/L	
AS05	W1470	82-0670	8/22	10:13	Total Phosphorus	0.19	mg/L	
AS05	W1470	82-0939	9/26	9:07	Total Phosphorus	0.15	mg/L	
AS05	W1470	82-0670	8/22	10:13	Nitrate/Nitrite-N	2.8	mg/L	
AS05	W1470	82-0939	9/26	9:07	Nitrate/Nitrite-N	2.3	mg/L	
AS05	W1470	82-0155	5/2	9:50	Ammonia-N	0.05	mg/L	
AS05	W1470	82-0394	6/6	10:00	Ammonia-N	0.05	mg/L	
AS05	W1470	82-0556	7/18	9:36	Ammonia-N	0.07	mg/L	
AS05	W1470	82-0670	8/22	10:13	Ammonia-N	0.06	mg/L	
AS05	W1470	82-0939	9/26	9:07	Ammonia-N	0.03	mg/L	
AS05	W1470	82-0155	5/2	9:50	Suspended Solids	2.0	mg/L	
AS05	W1470	82-0394	6/6	10:00	Suspended Solids	##	mg/L	b
AS05	W1470	82-0556	7/18	9:36	Suspended Solids	2.0	mg/L	
AS05	W1470	82-0670	8/22	10:13	Suspended Solids	1.8	mg/L	
AS05	W1470	82-0939	9/26	9:07	Suspended Solids	<1.0	mg/L	
AS05	W1470	82-0165	5/3	9:05	*E. coli*	460	CFU/100mL	
AS05	W1470	82-0299	6/7	9:50	*E. coli*	900	CFU/100mL	e
AS05	W1470	82-0595	7/19	9:04	*E. coli*	1000	CFU/100mL	
AS05	W1470	82-0708	8/23	8:53	*E. coli*	150	CFU/100mL	
AS05	W1470	82-0978	9/25	9:05	*E. coli*	170	CFU/100mL	e, m
AS05	W1470	82-0165	5/3	9:05	Fecal Coliforms	520	CFU/100mL	
AS05	W1470	82-0299	6/7	9:50	Fecal Coliforms	760	CFU/100mL	e
AS05	W1470	82-0595	7/19	9:04	Fecal Coliforms	17000	CFU/100mL	
AS05	W1470	82-0708	8/23	8:53	Fecal Coliforms	160	CFU/100mL	
AS05	W1470	82-0978	9/25	9:05	Fecal Coliforms	140	CFU/100mL	e, m
AS05	W1470	82-0394	6/6	10:00	Apparent color	55	PCU	
AS05	W1470	82-0556	7/18	9:36	Apparent color	20	PCU	
AS05	W1470	82-0670	8/22	10:13	Apparent color	24	PCU	
AS05	W1470	82-0394	6/6	10:00	True color	50	PCU	
AS05	W1470	82-0556	7/18	9:36	True color	15	PCU	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS05	W1470	82-0670	8/22	10:13	True color	18	PCU	
AS05	W1470	82-0394	6/6	10:00	Turbidity	2.6	NTU	
AS05	W1470	82-0556	7/18	9:36	Turbidity	1.7	NTU	
AS05	W1470	82-0670	8/22	10:13	Turbidity	1.6	NTU	b
AS06	W1471	82-0395	6/6	10:20	Total Nitrogen	1.8	mg/L	
AS06	W1471	82-0557	7/18	10:07	Total Nitrogen	2.5	mg/L	
AS06	W1471	82-0671	8/22	10:40	Total Nitrogen	2.7	mg/L	
AS06	W1471	82-0940	9/26	9:30	Total Nitrogen	3.5	mg/L	
AS06	W1471	82-0156	5/2	10:10	Total Phosphorus	0.14	mg/L	
AS06	W1471	82-0395	6/6	10:20	Total Phosphorus	0.086	mg/L	
AS06	W1471	82-0557	7/18	10:07	Total Phosphorus	0.19	mg/L	
AS06	W1471	82-0671	8/22	10:40	Total Phosphorus	0.13	mg/L	
AS06	W1471	82-0940	9/26	9:30	Total Phosphorus	0.14	mg/L	
AS06	W1471	82-0671	8/22	10:40	Nitrate/Nitrite-N	2.1	mg/L	
AS06	W1471	82-0940	9/26	9:30	Nitrate/Nitrite-N	2.5	mg/L	
AS06	W1471	82-0156	5/2	10:10	Ammonia-N	0.04	mg/L	
AS06	W1471	82-0395	6/6	10:20	Ammonia-N	0.05	mg/L	
AS06	W1471	82-0557	7/18	10:07	Ammonia-N	0.06	mg/L	
AS06	W1471	82-0671	8/22	10:40	Ammonia-N	0.06	mg/L	
AS06	W1471	82-0940	9/26	9:30	Ammonia-N	0.02	mg/L	
AS06	W1471	82-0156	5/2	10:10	Suspended Solids	2.9	mg/L	
AS06	W1471	82-0395	6/6	10:20	Suspended Solids	##	mg/L	b
AS06	W1471	82-0557	7/18	10:07	Suspended Solids	1.9	mg/L	
AS06	W1471	82-0671	8/22	10:40	Suspended Solids	1.9	mg/L	
AS06	W1471	82-0940	9/26	9:30	Suspended Solids	1.8	mg/L	
AS06	W1471	82-0166	5/3	9:12	*E. coli*	520	CFU/100mL	e
AS06	W1471	82-0300	6/7	10:06	*E. coli*	780	CFU/100mL	e
AS06	W1471	82-0596	7/19	9:19	*E. coli*	2000	CFU/100mL	e
AS06	W1471	82-0709	8/23	8:59	*E. coli*	130	CFU/100mL	
AS06	W1471	82-0979	9/25	9:12	*E. coli*	130	CFU/100mL	m
AS06	W1471	82-0166	5/3	9:12	Fecal Coliforms	240	CFU/100mL	e
AS06	W1471	82-0300	6/7	10:06	Fecal Coliforms	620	CFU/100mL	e
AS06	W1471	82-0596	7/19	9:19	Fecal Coliforms	1600	CFU/100mL	e
AS06	W1471	82-0709	8/23	8:59	Fecal Coliforms	150	CFU/100mL	
AS06	W1471	82-0979	9/25	9:12	Fecal Coliforms	170	CFU/100mL	m
AS06	W1471	82-0395	6/6	10:20	Apparent color	55	PCU	
AS06	W1471	82-0557	7/18	10:07	Apparent color	22	PCU	
AS06	W1471	82-0671	8/22	10:40	Apparent color	30	PCU	
AS06	W1471	82-0395	6/6	10:20	True color	49	PCU	
AS06	W1471	82-0557	7/18	10:07	True color	20	PCU	
AS06	W1471	82-0671	8/22	10:40	True color	20	PCU	
AS06	W1471	82-0395	6/6	10:20	Turbidity	3.0	NTU	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS06	W1471	82-0557	7/18	10:07	Turbidity	2.4	NTU	
AS06	W1471	82-0671	8/22	10:40	Turbidity	1.8	NTU	B
AS07	W1472	82-0396	6/6	10:40	Total Nitrogen	1.4	mg/L	
AS07	W1472	82-0558	7/18	10:29	Total Nitrogen	2.1	mg/L	
AS07	W1472	82-0672	8/22	11:19	Total Nitrogen	2.1	mg/L	
AS07	W1472	82-0941	9/26	9:50	Total Nitrogen	2.6	mg/L	
AS07	W1472	82-0157	5/2	10:30	Total Phosphorus	0.15	mg/L	
AS07	W1472	82-0396	6/6	10:40	Total Phosphorus	0.086	mg/L	
AS07	W1472	82-0558	7/18	10:29	Total Phosphorus	0.18	mg/L	
AS07	W1472	82-0672	8/22	11:19	Total Phosphorus	0.11	mg/L	
AS07	W1472	82-0941	9/26	9:50	Total Phosphorus	0.096	mg/L	
AS07	W1472	82-0672	8/22	11:19	Nitrate/Nitrite-N	1.6	mg/L	
AS07	W1472	82-0941	9/26	9:50	Nitrate/Nitrite-N	2.0	mg/L	
AS07	W1472	82-0157	5/2	10:30	Ammonia-N	0.05	mg/L	
AS07	W1472	82-0396	6/6	10:40	Ammonia-N	0.04	mg/L	
AS07	W1472	82-0558	7/18	10:29	Ammonia-N	0.04	mg/L	
AS07	W1472	82-0672	8/22	11:19	Ammonia-N	0.04	mg/L	
AS07	W1472	82-0941	9/26	9:50	Ammonia-N	<0.02	mg/L	
AS07	W1472	82-0157	5/2	10:30	Suspended Solids	4.9	mg/L	
AS07	W1472	82-0396	6/6	10:40	Suspended Solids	##	mg/L	B
AS07	W1472	82-0558	7/18	10:29	Suspended Solids	1.9	mg/L	
AS07	W1472	82-0672	8/22	11:19	Suspended Solids	1.1	mg/L	
AS07	W1472	82-0941	9/26	9:50	Suspended Solids	<1.0	mg/L	
AS07	W1472	82-0167	5/3	9:20	*E. coli*	310	CFU/100mL	
AS07	W1472	82-0301	6/7	10:23	*E. coli*	550	CFU/100mL	E
AS07	W1472	82-0597	7/19	9:31	*E. coli*	330	CFU/100mL	
AS07	W1472	82-0710	8/23	9:13	*E. coli*	65	CFU/100mL	
AS07	W1472	82-0980	9/25	9:19	*E. coli*	58	CFU/100mL	M
AS07	W1472	82-0167	5/3	9:20	Fecal Coliforms	460	CFU/100mL	
AS07	W1472	82-0301	6/7	10:23	Fecal Coliforms	430	CFU/100mL	e
AS07	W1472	82-0597	7/19	9:31	Fecal Coliforms	420	CFU/100mL	
AS07	W1472	82-0710	8/23	9:13	Fecal Coliforms	130	CFU/100mL	
AS07	W1472	82-0980	9/25	9:19	Fecal Coliforms	84	CFU/100mL	m
AS07	W1472	82-0823	8/22	11:20	Hardness	89	mg/L as CaCO3	
AS07	W1472				Hardness	98	mg/L	
AS07	W1472	82-0396	6/6	10:40	Apparent color	50	PCU	
AS07	W1472	82-0558	7/18	10:29	Apparent color	21	PCU	
AS07	W1472	82-0672	8/22	11:19	Apparent color	27	PCU	
AS07	W1472	82-0396	6/6	10:40	True color	45	PCU	
AS07	W1472	82-0558	7/18	10:29	True color	20	PCU	
AS07	W1472	82-0672	8/22	11:19	True color	23	PCU	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS07	W1472	82-0396	6/6	10:40	Turbidity	3.0	NTU	
AS07	W1472	82-0558	7/18	10:29	Turbidity	2.4	NTU	
AS07	W1472	82-0672	8/22	11:19	Turbidity	1.4	NTU	b
AS08	W1473	82-0397	6/6	11:00	Total Nitrogen	1.7	mg/L	
AS08	W1473	82-0559	7/18	10:50	Total Nitrogen	3.0	mg/L	
AS08	W1473	82-0673	8/22	11:43	Total Nitrogen	3.5	mg/L	
AS08	W1473	82-0942	9/26	10:08	Total Nitrogen	3.5	mg/L	
AS08	W1473	82-0158	5/2	10:50	Total Phosphorus	0.17	mg/L	
AS08	W1473	82-0397	6/6	11:00	Total Phosphorus	0.091	mg/L	
AS08	W1473	82-0559	7/18	10:50	Total Phosphorus	0.18	mg/L	
AS08	W1473	82-0673	8/22	11:43	Total Phosphorus	0.12	mg/L	
AS08	W1473	82-0942	9/26	10:08	Total Phosphorus	0.10	mg/L	
AS08	W1473	82-0673	8/22	11:43	Nitrate/Nitrite-N	2.7	mg/L	
AS08	W1473	82-0942	9/26	10:08	Nitrate/Nitrite-N	2.5	mg/L	
AS08	W1473	82-0158	5/2	10:50	Ammonia-N	0.05	mg/L	
AS08	W1473	82-0397	6/6	11:00	Ammonia-N	0.05	mg/L	
AS08	W1473	82-0559	7/18	10:50	Ammonia-N	0.08	mg/L	
AS08	W1473	82-0673	8/22	11:43	Ammonia-N	0.06	mg/L	
AS08	W1473	82-0942	9/26	10:08	Ammonia-N	0.02	mg/L	
AS08	W1473	82-0158	5/2	10:50	Suspended Solids	3.2	mg/L	
AS08	W1473	82-0397	6/6	11:00	Suspended Solids	##	mg/L	b
AS08	W1473	82-0559	7/18	10:50	Suspended Solids	3.0	mg/L	
AS08	W1473	82-0673	8/22	11:43	Suspended Solids	1.9	mg/L	
AS08	W1473	82-0942	9/26	10:08	Suspended Solids	1.9	mg/L	
AS08	W1473	82-0168	5/3	9:27	*E. coli*	220	CFU/100mL	
AS08	W1473	82-0302	6/7	10:43	*E. coli*	360	CFU/100mL	e
AS08	W1473	82-0598	7/19	9:42	*E. coli*	370	CFU/100mL	
AS08	W1473	82-0711	8/23	9:20	*E. coli*	110	CFU/100mL	e
AS08	W1473	82-0981	9/25	9:30	*E. coli*	110	CFU/100mL	e, m
AS08	W1473	82-0168	5/3	9:27	Fecal Coliforms	280	CFU/100mL	
AS08	W1473	82-0302	6/7	10:43	Fecal Coliforms	350	CFU/100mL	e
AS08	W1473	82-0598	7/19	9:42	Fecal Coliforms	370	CFU/100mL	
AS08	W1473	82-0711	8/23	9:20	Fecal Coliforms	100	CFU/100mL	e
AS08	W1473	82-0981	9/25	9:30	Fecal Coliforms	39	CFU/100mL	e, m
AS08	W1473	82-0397	6/6	11:00	Apparent color	55	PCU	
AS08	W1473	82-0559	7/18	10:50	Apparent color	20	PCU	
AS08	W1473	82-0673	8/22	11:43	Apparent color	25	PCU	
AS08	W1473	82-0397	6/6	11:00	True color	41	PCU	
AS08	W1473	82-0559	7/18	10:50	True color	19	PCU	
AS08	W1473	82-0673	8/22	11:43	True color	23	PCU	
AS08	W1473	82-0397	6/6	11:00	Turbidity	2.2	NTU	
AS08	W1473	82-0559	7/18	10:50	Turbidity	3.2	NTU	

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AS08	W1473	82-0673	8/22	11:43	Turbidity	2.7	NTU	b
AS11	W1474	82-0398	6/6	11:25	Total Nitrogen	1.4	mg/L	
AS11	W1474	82-0560	7/18	11:24	Total Nitrogen	2.9	mg/L	
AS11	W1474	82-0674	8/22	12:27	Total Nitrogen	2.5	mg/L	
AS11	W1474	82-0943	9/26	10:33	Total Nitrogen	3.3	mg/L	
AS11	W1474	82-0159	5/2	11:15	Total Phosphorus	0.092	mg/L	
AS11	W1474	82-0398	6/6	11:25	Total Phosphorus	0.086	mg/L	
AS11	W1474	82-0560	7/18	11:24	Total Phosphorus	0.12	mg/L	
AS11	W1474	82-0674	8/22	12:27	Total Phosphorus	0.10	mg/L	
AS11	W1474	82-0943	9/26	10:33	Total Phosphorus	0.068	mg/L	
AS11	W1474	82-0674	8/22	12:27	Nitrate/Nitrite-N	1.9	mg/L	
AS11	W1474	82-0943	9/26	10:33	Nitrate/Nitrite-N	2.5	mg/L	
AS11	W1474	82-0159	5/2	11:15	Ammonia-N	0.03	mg/L	
AS11	W1474	82-0398	6/6	11:25	Ammonia-N	0.06	mg/L	
AS11	W1474	82-0560	7/18	11:24	Ammonia-N	0.04	mg/L	
AS11	W1474	82-0674	8/22	12:27	Ammonia-N	0.05	mg/L	
AS11	W1474	82-0943	9/26	10:33	Ammonia-N	<0.02	mg/L	
AS11	W1474	82-0159	5/2	11:15	Suspended Solids	4.9	mg/L	
AS11	W1474	82-0398	6/6	11:25	Suspended Solids	##	mg/L	b
AS11	W1474	82-0560	7/18	11:24	Suspended Solids	2.0	mg/L	
AS11	W1474	82-0674	8/22	12:27	Suspended Solids	1.3	mg/L	
AS11	W1474	82-0943	9/26	10:33	Suspended Solids	<1.0	mg/L	
AS11	W1474	82-0169	5/3	9:48	*E. coli*	220	CFU/100mL	e
AS11	W1474	82-0303	6/7	11:07	*E. coli*	290	CFU/100mL	
AS11	W1474	82-0599	7/19	10:08	*E. coli*	1800	CFU/100mL	a, e
AS11	W1474	82-0712	8/23	9:35	*E. coli*	150	CFU/100mL	e
AS11	W1474	82-0982	9/25	9:44	*E. coli*	90	CFU/100mL	e, m
AS11	W1474	82-0169	5/3	9:48	Fecal Coliforms	180	CFU/100mL	e
AS11	W1474	82-0303	6/7	11:07	Fecal Coliforms	320	CFU/100mL	
AS11	W1474	82-0599	7/19	10:08	Fecal Coliforms	560	CFU/100mL	a, e
AS11	W1474	82-0712	8/23	9:35	Fecal Coliforms	100	CFU/100mL	e
AS11	W1474	82-0982	9/25	9:44	Fecal Coliforms	84	CFU/100mL	e, m
AS11	W1474	82-0398	6/6	11:25	Apparent color	42	PCU	
AS11	W1474	82-0560	7/18	11:24	Apparent color	20	PCU	
AS11	W1474	82-0674	8/22	12:27	Apparent color	29	PCU	
AS11	W1474	82-0398	6/6	11:25	True color	39	PCU	
AS11	W1474	82-0560	7/18	11:24	True color	20	PCU	
AS11	W1474	82-0674	8/22	12:27	True color	21	PCU	
AS11	W1474	82-0398	6/6	11:25	Turbidity	3.1	NTU	
AS11	W1474	82-0560	7/18	11:24	Turbidity	2.3	NTU	
AS11	W1474	82-0674	8/22	12:27	Turbidity	1.7	NTU	b
AS14	W1475	82-0399	6/6	9:25	Total Nitrogen	1.2	mg/L	m

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AS14	W1475	82-0561	7/18	8:55	Total Nitrogen	2.0	mg/L	
AS14	W1475	82-0675	8/22	9:20	Total Nitrogen	2.9	mg/L	
AS14	W1475	82-0944	9/26	8:00	Total Nitrogen	3.6	mg/L	
AS14	W1475	82-0178	5/2	8:52	Total Phosphorus	0.10	mg/L	
AS14	W1475	82-0399	6/6	9:25	Total Phosphorus	0.081	mg/L	m
AS14	W1475	82-0561	7/18	8:55	Total Phosphorus	0.094	mg/L	
AS14	W1475	82-0675	8/22	9:20	Total Phosphorus	0.092	mg/L	
AS14	W1475	82-0944	9/26	8:00	Total Phosphorus	0.064	mg/L	
AS14	W1475	82-0675	8/22	9:20	Nitrate/Nitrite-N	2.2	mg/L	
AS14	W1475	82-0944	9/26	8:00	Nitrate/Nitrite-N	2.7	mg/L	
AS14	W1475	82-0178	5/2	8:52	Ammonia-N	0.03	mg/L	
AS14	W1475	82-0399	6/6	9:25	Ammonia-N	0.04	mg/L	m
AS14	W1475	82-0561	7/18	8:55	Ammonia-N	0.03	mg/L	
AS14	W1475	82-0675	8/22	9:20	Ammonia-N	0.06	mg/L	
AS14	W1475	82-0944	9/26	8:00	Ammonia-N	0.02	mg/L	
AS14	W1475	82-0178	5/2	8:52	Suspended Solids	6.7	mg/L	
AS14	W1475	82-0399	6/6	9:25	Suspended Solids	3.3	mg/L	m
AS14	W1475	82-0561	7/18	8:55	Suspended Solids	1.8	mg/L	
AS14	W1475	82-0675	8/22	9:20	Suspended Solids	1.9	mg/L	
AS14	W1475	82-0944	9/26	8:00	Suspended Solids	<1.0	mg/L	
AS14	W1475	82-0188	5/3	10:03	*E. coli*	260	CFU/100mL	
AS14	W1475	82-0304	6/7	11:31	*E. coli*	390	CFU/100mL	
AS14	W1475	82-0600	7/19	10:29	*E. coli*	8000	CFU/100mL	
AS14	W1475	82-0713	8/23	9:50	*E. coli*	220	CFU/100mL	
AS14	W1475	82-0983	9/25	9:56	*E. coli*	290	CFU/100mL	m
AS14	W1475	82-0188	5/3	10:03	Fecal Coliforms	350	CFU/100mL	
AS14	W1475	82-0304	6/7	11:31	Fecal Coliforms	550	CFU/100mL	
AS14	W1475	82-0600	7/19	10:29	Fecal Coliforms	12000	CFU/100mL	
AS14	W1475	82-0713	8/23	9:50	Fecal Coliforms	240	CFU/100mL	
AS14	W1475	82-0983	9/25	9:56	Fecal Coliforms	310	CFU/100mL	m
AS14	W1475	82-0826	8/22	9:25	Hardness	100	mg/L	
AS14	W1475				Hardness	96	mg/L as CaCO3	
AS14	W1475	82-0399	6/6	9:25	Apparent color	55	PCU	m
AS14	W1475	82-0561	7/18	8:55	Apparent color	26	PCU	
AS14	W1475	82-0675	8/22	9:20	Apparent color	22	PCU	
AS14	W1475	82-0399	6/6	9:25	True color	47	PCU	m
AS14	W1475	82-0561	7/18	8:55	True color	24	PCU	
AS14	W1475	82-0675	8/22	9:20	True color	<15	PCU	
AS14	W1475	82-0399	6/6	9:25	Turbidity	2.6	NTU	d, m
AS14	W1475	82-0561	7/18	8:55	Turbidity	1.8	NTU	
AS14	W1475	82-0675	8/22	9:20	Turbidity	2.1	NTU	

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AS15A	W1476	82-0402	6/6	10:01	Total Nitrogen	1.6	mg/L	
AS15A	W1476	82-0564	7/18	9:20	Total Nitrogen	3.1	mg/L	
AS15A	W1476	82-0676	8/22	9:50	Total Nitrogen	3.7	mg/L	
AS15A	W1476	82-0945	9/26	8:20	Total Nitrogen	4.4	mg/L	
AS15A	W1476	82-0181	5/2	9:25	Total Phosphorus	0.12	mg/L	
AS15A	W1476	82-0402	6/6	10:01	Total Phosphorus	0.090	mg/L	
AS15A	W1476	82-0564	7/18	9:20	Total Phosphorus	0.13	mg/L	
AS15A	W1476	82-0676	8/22	9:50	Total Phosphorus	0.098	mg/L	
AS15A	W1476	82-0945	9/26	8:20	Total Phosphorus	0.095	mg/L	
AS15A	W1476	82-0676	8/22	9:50	Nitrate/Nitrite-N	2.9	mg/L	
AS15A	W1476	82-0945	9/26	8:20	Nitrate/Nitrite-N	4.2	mg/L	
AS15A	W1476	82-0181	5/2	9:25	Ammonia-N	0.04	mg/L	
AS15A	W1476	82-0402	6/6	10:01	Ammonia-N	0.04	mg/L	
AS15A	W1476	82-0564	7/18	9:20	Ammonia-N	0.32	mg/L	r
AS15A	W1476	82-0676	8/22	9:50	Ammonia-N	0.08	mg/L	
AS15A	W1476	82-0945	9/26	8:20	Ammonia-N	0.03	mg/L	
AS15A	W1476	82-0181	5/2	9:25	Suspended Solids	5.8	mg/L	
AS15A	W1476	82-0402	6/6	10:01	Suspended Solids	3.4	mg/L	
AS15A	W1476	82-0564	7/18	9:20	Suspended Solids	11	mg/L	
AS15A	W1476	82-0676	8/22	9:50	Suspended Solids	2.7	mg/L	
AS15A	W1476	82-0945	9/26	8:20	Suspended Solids	1.4	mg/L	
AS15A	W1476	82-0191	5/3	10:12	*E. coli*	280	CFU/100mL	e
AS15A	W1476	82-0306	6/7	11:45	*E. coli*	370	CFU/100mL	e
AS15A	W1476	82-0602	7/19	10:44	*E. coli*	210	CFU/100mL	
AS15A	W1476	82-0714	8/23	10:01	*E. coli*	84	CFU/100mL	e
AS15A	W1476	82-0984	9/25	10:03	*E. coli*	150	CFU/100mL	e, m
AS15A	W1476	82-0191	5/3	10:12	Fecal Coliforms	220	CFU/100mL	e
AS15A	W1476	82-0306	6/7	11:45	Fecal Coliforms	340	CFU/100mL	e
AS15A	W1476	82-0602	7/19	10:44	Fecal Coliforms	230	CFU/100mL	
AS15A	W1476	82-0714	8/23	10:01	Fecal Coliforms	26	CFU/100mL	e
AS15A	W1476	82-0984	9/25	10:03	Fecal Coliforms	130	CFU/100mL	e, m
AS15A	W1476	82-0402	6/6	10:01	Apparent color	60	PCU	
AS15A	W1476	82-0564	7/18	9:20	Apparent color	31	PCU	
AS15A	W1476	82-0676	8/22	9:50	Apparent color	15	PCU	
AS15A	W1476	82-0402	6/6	10:01	True color	55	PCU	
AS15A	W1476	82-0564	7/18	9:20	True color	25	PCU	
AS15A	W1476	82-0676	8/22	9:50	True color	<15	PCU	
AS15A	W1476	82-0402	6/6	10:01	Turbidity	2.4	NTU	
AS15A	W1476	82-0564	7/18	9:20	Turbidity	2.1	NTU	
AS15A	W1476	82-0676	8/22	9:50	Turbidity	2.0	NTU	
AS16	W1477	82-0403	6/6	10:24	Total Nitrogen	1.2	mg/L	
AS16	W1477	82-0565	7/18	9:49	Total Nitrogen	2.3	mg/L	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS16	W1477	82-0677	8/22	10:25	Total Nitrogen	3.3	mg/L	
AS16	W1477	82-0946	9/26	8:40	Total Nitrogen	3.2	mg/L	
AS16	W1477	82-0182	5/2	9:53	Total Phosphorus	0.12	mg/L	
AS16	W1477	82-0403	6/6	10:24	Total Phosphorus	0.091	mg/L	
AS16	W1477	82-0565	7/18	9:49	Total Phosphorus	0.12	mg/L	
AS16	W1477	82-0677	8/22	10:25	Total Phosphorus	0.078	mg/L	
AS16	W1477	82-0946	9/26	8:40	Total Phosphorus	0.082	mg/L	
AS16	W1477	82-0677	8/22	10:25	Nitrate/Nitrite-N	2.6	mg/L	
AS16	W1477	82-0946	9/26	8:40	Nitrate/Nitrite-N	2.4	mg/L	
AS16	W1477	82-0182	5/2	9:53	Ammonia-N	0.04	mg/L	
AS16	W1477	82-0403	6/6	10:24	Ammonia-N	0.03	mg/L	
AS16	W1477	82-0565	7/18	9:49	Ammonia-N	0.05	mg/L	
AS16	W1477	82-0677	8/22	10:25	Ammonia-N	0.05	mg/L	
AS16	W1477	82-0946	9/26	8:40	Ammonia-N	0.05	mg/L	
AS16	W1477	82-0182	5/2	9:53	Suspended Solids	6.5	mg/L	
AS16	W1477	82-0403	6/6	10:24	Suspended Solids	3.0	mg/L	
AS16	W1477	82-0565	7/18	9:49	Suspended Solids	4.2	mg/L	
AS16	W1477	82-0677	8/22	10:25	Suspended Solids	1.4	mg/L	
AS16	W1477	82-0946	9/26	8:40	Suspended Solids	2.8	mg/L	
AS16	W1477	82-0192	5/3	10:28	*E. coli*	200	CFU/100mL	
AS16	W1477	82-0307	6/7	12:00	*E. coli*	150	CFU/100mL	e
AS16	W1477	82-0603	7/19	11:10	*E. coli*	120	CFU/100mL	e
AS16	W1477	82-0715	8/23	10:08	*E. coli*	32	CFU/100mL	
AS16	W1477	82-0985	9/25	10:09	*E. coli*	90	CFU/100mL	e, m
AS16	W1477	82-0192	5/3	10:28	Fecal Coliforms	280	CFU/100mL	
AS16	W1477	82-0307	6/7	12:00	Fecal Coliforms	120	CFU/100mL	e
AS16	W1477	82-0603	7/19	11:10	Fecal Coliforms	90	CFU/100mL	e
AS16	W1477	82-0715	8/23	10:08	Fecal Coliforms	32	CFU/100mL	
AS16	W1477	82-0985	9/25	10:09	Fecal Coliforms	71	CFU/100mL	e, m
AS16	W1477	82-0403	6/6	10:24	Apparent color	55	PCU	
AS16	W1477	82-0565	7/18	9:49	Apparent color	29	PCU	
AS16	W1477	82-0677	8/22	10:25	Apparent color	28	PCU	
AS16	W1477	82-0403	6/6	10:24	True color	47	PCU	
AS16	W1477	82-0565	7/18	9:49	True color	25	PCU	
AS16	W1477	82-0677	8/22	10:25	True color	25	PCU	
AS16	W1477	82-0403	6/6	10:24	Turbidity	3.5	NTU	
AS16	W1477	82-0565	7/18	9:49	Turbidity	2.5	NTU	
AS16	W1477	82-0677	8/22	10:25	Turbidity	1.3	NTU	
AS16A	W1478	82-0404	6/6	10:50	Total Nitrogen	1.2	mg/L	
AS16A	W1478	82-0566	7/18	10:22	Total Nitrogen	1.7	mg/L	
AS16A	W1478	82-0678	8/22	11:20	Total Nitrogen	3.8	mg/L	
AS16A	W1478	82-0947	9/26	9:10	Total Nitrogen	2.7	mg/L	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS16A	W1478	82-0183	5/2	10:26	Total Phosphorus	0.10	mg/L	
AS16A	W1478	82-0404	6/6	10:50	Total Phosphorus	0.083	mg/L	
AS16A	W1478	82-0566	7/18	10:22	Total Phosphorus	0.098	mg/L	
AS16A	W1478	82-0678	8/22	11:20	Total Phosphorus	0.068	mg/L	
AS16A	W1478	82-0947	9/26	9:10	Total Phosphorus	0.078	mg/L	
AS16A	W1478	82-0678	8/22	11:20	Nitrate/Nitrite-N	2.9	mg/L	
AS16A	W1478	82-0947	9/26	9:10	Nitrate/Nitrite-N	2.1	mg/L	
AS16A	W1478	82-0183	5/2	10:26	Ammonia-N	<0.02	mg/L	
AS16A	W1478	82-0404	6/6	10:50	Ammonia-N	0.04	mg/L	
AS16A	W1478	82-0566	7/18	10:22	Ammonia-N	0.02	mg/L	
AS16A	W1478	82-0678	8/22	11:20	Ammonia-N	0.05	mg/L	
AS16A	W1478	82-0947	9/26	9:10	Ammonia-N	0.02	mg/L	
AS16A	W1478	82-0183	5/2	10:26	Suspended Solids	6.1	mg/L	
AS16A	W1478	82-0404	6/6	10:50	Suspended Solids	<1.0	mg/L	
AS16A	W1478	82-0566	7/18	10:22	Suspended Solids	3.6	mg/L	
AS16A	W1478	82-0678	8/22	11:20	Suspended Solids	2.3	mg/L	
AS16A	W1478	82-0947	9/26	9:10	Suspended Solids	2.0	mg/L	
AS16A	W1478	82-0193	5/3	10:44	*E. coli*	100	CFU/100mL	
AS16A	W1478	82-0308	6/7	12:18	*E. coli*	130	CFU/100mL	e
AS16A	W1478	82-0604	7/19	11:31	*E. coli*	45	CFU/100mL	
AS16A	W1478	82-0716	8/23	10:24	*E. coli*	19	CFU/100mL	e
AS16A	W1478	82-0986	9/25	10:22	*E. coli*	13	CFU/100mL	e, m
AS16A	W1478	82-0193	5/3	10:44	Fecal Coliforms	160	CFU/100mL	
AS16A	W1478	82-0308	6/7	12:18	Fecal Coliforms	120	CFU/100mL	e
AS16A	W1478	82-0604	7/19	11:31	Fecal Coliforms	52	CFU/100mL	
AS16A	W1478	82-0716	8/23	10:24	Fecal Coliforms	6	CFU/100mL	e
AS16A	W1478	82-0986	9/25	10:22	Fecal Coliforms	7	CFU/100mL	e, m
AS16A	W1478	82-0404	6/6	10:50	Apparent color	60	PCU	
AS16A	W1478	82-0566	7/18	10:22	Apparent color	37	PCU	
AS16A	W1478	82-0678	8/22	11:20	Apparent color	23	PCU	
AS16A	W1478	82-0404	6/6	10:50	True color	47	PCU	
AS16A	W1478	82-0566	7/18	10:22	True color	30	PCU	
AS16A	W1478	82-0678	8/22	11:20	True color	17	PCU	
AS16A	W1478	82-0404	6/6	10:50	Turbidity	2.8	NTU	
AS16A	W1478	82-0566	7/18	10:22	Turbidity	4.8	NTU	
AS16A	W1478	82-0678	8/22	11:20	Turbidity	1.7	NTU	
AS20	W1479	82-0405	6/6	11:40	Total Nitrogen	1.1	mg/L	
AS20	W1479	82-0567	7/18	10:49	Total Nitrogen	1.8	mg/L	
AS20	W1479	82-0679	8/22	11:55	Total Nitrogen	3.2	mg/L	
AS20	W1479	82-0948	9/26	9:40	Total Nitrogen	3.0	mg/L	
AS20	W1479	82-0184	5/2	10:55	Total Phosphorus	0.11	mg/L	
AS20	W1479	82-0405	6/6	11:40	Total Phosphorus	0.098	mg/L	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
AS20	W1479	82-0567	7/18	10:49	Total Phosphorus	0.092	mg/L	
AS20	W1479	82-0679	8/22	11:55	Total Phosphorus	0.074	mg/L	
AS20	W1479	82-0948	9/26	9:40	Total Phosphorus	0.074	mg/L	
AS20	W1479	82-0679	8/22	11:55	Nitrate/Nitrite-N	2.3	mg/L	
AS20	W1479	82-0948	9/26	9:40	Nitrate/Nitrite-N	2.2	mg/L	
AS20	W1479	82-0184	5/2	10:55	Ammonia-N	0.08	mg/L	
AS20	W1479	82-0405	6/6	11:40	Ammonia-N	0.04	mg/L	
AS20	W1479	82-0567	7/18	10:49	Ammonia-N	0.05	mg/L	
AS20	W1479	82-0679	8/22	11:55	Ammonia-N	0.07	mg/L	
AS20	W1479	82-0948	9/26	9:40	Ammonia-N	0.09	mg/L	
AS20	W1479	82-0184	5/2	10:55	Suspended Solids	10	mg/L	
AS20	W1479	82-0405	6/6	11:40	Suspended Solids	5.2	mg/L	
AS20	W1479	82-0567	7/18	10:49	Suspended Solids	4.9	mg/L	
AS20	W1479	82-0679	8/22	11:55	Suspended Solids	4.4	mg/L	
AS20	W1479	82-0948	9/26	9:40	Suspended Solids	5.8	mg/L	
AS20	W1479	82-0194	5/3	11:00	*E. coli*	350	CFU/100mL	e
AS20	W1479	82-0427	6/7	12:40	*E. coli*	450	CFU/100mL	
AS20	W1479	82-0605	7/19	11:49	*E. coli*	840	CFU/100mL	
AS20	W1479	82-0717	8/23	10:42	*E. coli*	1400	CFU/100mL	
AS20	W1479	82-0987	9/25	10:46	*E. coli*	960	CFU/100mL	e, m
AS20	W1479	82-0194	5/3	11:00	Fecal Coliforms	260	CFU/100mL	e
AS20	W1479	82-0427	6/7	12:40	Fecal Coliforms	450	CFU/100mL	
AS20	W1479	82-0605	7/19	11:49	Fecal Coliforms	840	CFU/100mL	
AS20	W1479	82-0717	8/23	10:42	Fecal Coliforms	2400	CFU/100mL	
AS20	W1479	82-0987	9/25	10:46	Fecal Coliforms	900	CFU/100mL	e, m
AS20	W1479	82-0405	6/6	11:40	Apparent color	60	PCU	
AS20	W1479	82-0567	7/18	10:49	Apparent color	35	PCU	
AS20	W1479	82-0679	8/22	11:55	Apparent color	33	PCU	
AS20	W1479	82-0405	6/6	11:40	True color	50	PCU	
AS20	W1479	82-0567	7/18	10:49	True color	33	PCU	
AS20	W1479	82-0679	8/22	11:55	True color	26	PCU	
AS20	W1479	82-0405	6/6	11:40	Turbidity	3.4	NTU	
AS20	W1479	82-0567	7/18	10:49	Turbidity	3.1	NTU	
AS20	W1479	82-0679	8/22	11:55	Turbidity	2.5	NTU	
CO01	W1482	82-0426	6/6	13:15	Total Nitrogen	1.2	mg/L	
CO01	W1482	82-0589	7/18	12:50	Total Nitrogen	1.0	mg/L	
CO01	W1482	82-0702	8/22	12:55	Total Nitrogen	1.7	mg/L	
CO01	W1482	82-0972	9/26	11:35	Total Nitrogen	1.5	mg/L	
CO01	W1482	82-0187	5/2	12:32	Total Phosphorus	0.063	mg/L	
CO01	W1482	82-0426	6/6	13:15	Total Phosphorus	0.072	mg/L	
CO01	W1482	82-0589	7/18	12:50	Total Phosphorus	0.076	mg/L	
CO01	W1482	82-0702	8/22	12:55	Total Phosphorus	0.072	mg/L	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
CO01	W1482	82-0972	9/26	11:35	Total Phosphorus	0.070	mg/L	
CO01	W1482	82-0702	8/22	12:55	Nitrate/Nitrite-N	1.0	mg/L	
CO01	W1482	82-0972	9/26	11:35	Nitrate/Nitrite-N	0.98	mg/L	
CO01	W1482	82-0187	5/2	12:32	Ammonia-N	<0.02	mg/L	
CO01	W1482	82-0426	6/6	13:15	Ammonia-N	0.06	mg/L	
CO01	W1482	82-0589	7/18	12:50	Ammonia-N	0.03	mg/L	
CO01	W1482	82-0702	8/22	12:55	Ammonia-N	0.02	mg/L	
CO01	W1482	82-0972	9/26	11:35	Ammonia-N	<0.02	mg/L	
CO01	W1482	82-0187	5/2	12:32	Suspended Solids	10	mg/L	
CO01	W1482	82-0426	6/6	13:15	Suspended Solids	4.3	mg/L	
CO01	W1482	82-0589	7/18	12:50	Suspended Solids	6.6	mg/L	
CO01	W1482	82-0702	8/22	12:55	Suspended Solids	10	mg/L	
CO01	W1482	82-0972	9/26	11:35	Suspended Solids	12	mg/L	
CO01	W1482	82-0197	5/4	11:57	*E. coli*	65	CFU/100mL	
CO01	W1482	82-0449	6/8	10:55	*E. coli*	500	CFU/100mL	
CO01	W1482	82-0627	7/20	11:19	*E. coli*	300	CFU/100mL	e
CO01	W1482	82-0741	8/24	10:50	*E. coli*	210	CFU/100mL	e
CO01	W1482	82-0972	9/26	11:35	*E. coli*	190	CFU/100mL	e
CO01	W1482	82-0197	5/4	11:57	Fecal Coliforms	130	CFU/100mL	
CO01	W1482	82-0449	6/8	10:55	Fecal Coliforms	590	CFU/100mL	
CO01	W1482	82-0627	7/20	11:19	Fecal Coliforms	180	CFU/100mL	e
CO01	W1482	82-0741	8/24	10:50	Fecal Coliforms	200	CFU/100mL	e
CO01	W1482	82-0972	9/26	11:35	Fecal Coliforms	100	CFU/100mL	e
CO01	W1482	82-0426	6/6	13:15	Apparent color	65	PCU	
CO01	W1482	82-0589	7/18	12:50	Apparent color	48	PCU	
CO01	W1482	82-0702	8/22	12:55	Apparent color	42	PCU	
CO01	W1482	82-0426	6/6	13:15	True color	55	PCU	
CO01	W1482	82-0589	7/18	12:50	True color	42	PCU	
CO01	W1482	82-0702	8/22	12:55	True color	25	PCU	
CO01	W1482	82-0426	6/6	13:15	Turbidity	2.7	NTU	
CO01	W1482	82-0589	7/18	12:50	Turbidity	3.6	NTU	
CO01	W1482	82-0702	8/22	12:55	Turbidity	5.5	NTU	
CO02	W1483	82-0425	6/6	12:48	Total Nitrogen	1.5	mg/L	
CO02	W1483	82-0588	7/18	12:18	Total Nitrogen	1.2	mg/L	
CO02	W1483	82-0701	8/22	12:18	Total Nitrogen	1.5	mg/L	
CO02	W1483	82-0971	9/26	11:07	Total Nitrogen	1.5	mg/L	
CO02	W1483	82-0213	5/2	12:50	Total Phosphorus	0.073	mg/L	
CO02	W1483	82-0425	6/6	12:48	Total Phosphorus	0.077	mg/L	
CO02	W1483	82-0588	7/18	12:18	Total Phosphorus	0.099	mg/L	
CO02	W1483	82-0701	8/22	12:18	Total Phosphorus	0.080	mg/L	
CO02	W1483	82-0971	9/26	11:07	Total Phosphorus	0.076	mg/L	
CO02	W1483	82-0701	8/22	12:18	Nitrate/Nitrite-N	0.76	mg/L	

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CO02	W1483	82-0971	9/26	11:07	Nitrate/Nitrite-N	1.0	mg/L	
CO02	W1483	82-0213	5/2	12:50	Ammonia-N	<0.02	mg/L	
CO02	W1483	82-0425	6/6	12:48	Ammonia-N	0.08	mg/L	
CO02	W1483	82-0588	7/18	12:18	Ammonia-N	<0.02	mg/L	
CO02	W1483	82-0701	8/22	12:18	Ammonia-N	0.02	mg/L	
CO02	W1483	82-0971	9/26	11:07	Ammonia-N	<0.02	mg/L	
CO02	W1483	82-0213	5/2	12:50	Suspended Solids	11	mg/L	
CO02	W1483	82-0425	6/6	12:48	Suspended Solids	4.4	mg/L	
CO02	W1483	82-0588	7/18	12:18	Suspended Solids	8.4	mg/L	
CO02	W1483	82-0701	8/22	12:18	Suspended Solids	9.3	mg/L	
CO02	W1483	82-0971	9/26	11:07	Suspended Solids	10	mg/L	
CO02	W1483	82-0222	5/4	11:39	*E. coli*	39	CFU/100mL	
CO02	W1483	82-0448	6/8	10:40	*E. coli*	350	CFU/100mL	
CO02	W1483	82-0626	7/20	10:58	*E. coli*	58	CFU/100mL	e
CO02	W1483	82-0740	8/24	10:37	*E. coli*	45	CFU/100mL	
CO02	W1483	82-0971	9/26	11:07	*E. coli*	65	CFU/100mL	e
CO02	W1483	82-0222	5/4	11:39	Fecal Coliforms	65	CFU/100mL	
CO02	W1483	82-0448	6/8	10:40	Fecal Coliforms	370	CFU/100mL	
CO02	W1483	82-0626	7/20	10:58	Fecal Coliforms	52	CFU/100mL	e
CO02	W1483	82-0740	8/24	10:37	Fecal Coliforms	45	CFU/100mL	
CO02	W1483	82-0971	9/26	11:07	Fecal Coliforms	32	CFU/100mL	e
CO02	W1483	82-0425	6/6	12:48	Apparent color	75	PCU	
CO02	W1483	82-0588	7/18	12:18	Apparent color	65	PCU	
CO02	W1483	82-0701	8/22	12:18	Apparent color	43	PCU	
CO02	W1483	82-0425	6/6	12:48	True color	70	PCU	
CO02	W1483	82-0588	7/18	12:18	True color	46	PCU	
CO02	W1483	82-0701	8/22	12:18	True color	29	PCU	
CO02	W1483	82-0425	6/6	12:48	Turbidity	3.1	NTU	
CO02	W1483	82-0588	7/18	12:18	Turbidity	4.9	NTU	
CO02	W1483	82-0701	8/22	12:18	Turbidity	6.5	NTU	
CO03	W1484	82-0970	9/26	10:45	Total Nitrogen	1.4	mg/L	
CO03	W1484	82-0970	9/26	10:45	Total Phosphorus	0.074	mg/L	
CO03	W1484	82-0970	9/26	10:45	Nitrate/Nitrite-N	0.86	mg/L	
CO03	W1484	82-0970	9/26	10:45	Ammonia-N	<0.02	mg/L	
CO03	W1484	82-0970	9/26	10:45	Suspended Solids	11	mg/L	
CO03	W1484	82-0221	5/4	11:27	*E. coli*	71	CFU/100mL	
CO03	W1484	82-0447	6/8	10:21	*E. coli*	390	CFU/100mL	e
CO03	W1484	82-0625	7/20	10:40	*E. coli*	20	CFU/100mL	e
CO03	W1484	82-0739	8/24	10:15	*E. coli*	19	CFU/100mL	e
CO03	W1484	82-0970	9/26	10:45	*E. coli*	6	CFU/100mL	
CO03	W1484	82-0221	5/4	11:27	Fecal Coliforms	71	CFU/100mL	
CO03	W1484	82-0447	6/8	10:21	Fecal Coliforms	380	CFU/100mL	e

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CO03	W1484	82-0625	7/20	10:40	Fecal Coliforms	13	CFU/100mL	e
CO03	W1484	82-0739	8/24	10:15	Fecal Coliforms	6	CFU/100mL	e
CO03	W1484	82-0970	9/26	10:45	Fecal Coliforms	6	CFU/100mL	
CO03	W1484	82-0829	8/22	11:55	Hardness	68	mg/L as CaCO3	
CO03	W1484				Hardness	80	mg/L	
CO04	W1485	82-0424	6/6	12:15	Total Nitrogen	1.4	mg/L	
CO04	W1485	82-0587	7/18	11:43	Total Nitrogen	1.2	mg/L	
CO04	W1485	82-0700	8/22	11:34	Total Nitrogen	1.2	mg/L	
CO04	W1485	82-0969	9/26	10:25	Total Nitrogen	1.4	mg/L	
CO04	W1485	82-0212	5/2	12:15	Total Phosphorus	0.075	mg/L	
CO04	W1485	82-0424	6/6	12:15	Total Phosphorus	0.088	mg/L	
CO04	W1485	82-0587	7/18	11:43	Total Phosphorus	0.10	mg/L	
CO04	W1485	82-0700	8/22	11:34	Total Phosphorus	0.076	mg/L	
CO04	W1485	82-0969	9/26	10:25	Total Phosphorus	0.077	mg/L	
CO04	W1485	82-0700	8/22	11:34	Nitrate/Nitrite-N	0.45	mg/L	
CO04	W1485	82-0969	9/26	10:25	Nitrate/Nitrite-N	0.83	mg/L	
CO04	W1485	82-0212	5/2	12:15	Ammonia-N	0.03	mg/L	
CO04	W1485	82-0424	6/6	12:15	Ammonia-N	0.09	mg/L	
CO04	W1485	82-0587	7/18	11:43	Ammonia-N	<0.02	mg/L	
CO04	W1485	82-0700	8/22	11:34	Ammonia-N	0.03	mg/L	
CO04	W1485	82-0969	9/26	10:25	Ammonia-N	<0.02	mg/L	
CO04	W1485	82-0212	5/2	12:15	Suspended Solids	10	mg/L	
CO04	W1485	82-0424	6/6	12:15	Suspended Solids	5.5	mg/L	
CO04	W1485	82-0587	7/18	11:43	Suspended Solids	11	mg/L	
CO04	W1485	82-0700	8/22	11:34	Suspended Solids	11	mg/L	
CO04	W1485	82-0969	9/26	10:25	Suspended Solids	15	mg/L	
CO04	W1485	82-0220	5/4	11:15	*E. coli*	13	CFU/100mL	
CO04	W1485	82-0446	6/8	10:06	*E. coli*	330	CFU/100mL	e
CO04	W1485	82-0624	7/20	10:22	*E. coli*	29	CFU/100mL	e
CO04	W1485	82-0738	8/24	10:05	*E. coli*	19	CFU/100mL	
CO04	W1485	82-0969	9/26	10:25	*E. coli*	32	CFU/100mL	e
CO04	W1485	82-0220	5/4	11:15	Fecal Coliforms	19	CFU/100mL	
CO04	W1485	82-0446	6/8	10:06	Fecal Coliforms	250	CFU/100mL	e
CO04	W1485	82-0624	7/20	10:22	Fecal Coliforms	13	CFU/100mL	e
CO04	W1485	82-0738	8/24	10:05	Fecal Coliforms	39	CFU/100mL	
CO04	W1485	82-0969	9/26	10:25	Fecal Coliforms	19	CFU/100mL	e
CO04	W1485	82-0424	6/6	12:15	Apparent color	65	PCU	
CO04	W1485	82-0587	7/18	11:43	Apparent color	60	PCU	
CO04	W1485	82-0700	8/22	11:34	Apparent color	37	PCU	
CO04	W1485	82-0424	6/6	12:15	True color	60	PCU	
CO04	W1485	82-0587	7/18	11:43	True color	50	PCU	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
CO04	W1485	82-0700	8/22	11:34	True color	<15	PCU	
CO04	W1485	82-0424	6/6	12:15	Turbidity	3.5	NTU	
CO04	W1485	82-0587	7/18	11:43	Turbidity	5.4	NTU	
CO04	W1485	82-0700	8/22	11:34	Turbidity	7.1	NTU	
CO05	W1486	82-0423	6/6	11:02	Total Nitrogen	1.1	mg/L	
CO05	W1486	82-0586	7/18	10:24	Total Nitrogen	1.1	mg/L	
CO05	W1486	82-0696	8/22	10:25	Total Nitrogen	1.2	mg/L	
CO05	W1486	82-0965	9/26	9:28	Total Nitrogen	1.4	mg/L	
CO05	W1486	82-0211	5/2	10:57	Total Phosphorus	0.080	mg/L	
CO05	W1486	82-0423	6/6	11:02	Total Phosphorus	0.085	mg/L	
CO05	W1486	82-0586	7/18	10:24	Total Phosphorus	0.094	mg/L	
CO05	W1486	82-0696	8/22	10:25	Total Phosphorus	0.078	mg/L	
CO05	W1486	82-0965	9/26	9:28	Total Phosphorus	0.077	mg/L	
CO05	W1486	82-0696	8/22	10:25	Nitrate/Nitrite-N	0.42	mg/L	
CO05	W1486	82-0965	9/26	9:28	Nitrate/Nitrite-N	0.76	mg/L	
CO05	W1486	82-0211	5/2	10:57	Ammonia-N	0.02	mg/L	
CO05	W1486	82-0423	6/6	11:02	Ammonia-N	0.10	mg/L	
CO05	W1486	82-0586	7/18	10:24	Ammonia-N	<0.02	mg/L	
CO05	W1486	82-0696	8/22	10:25	Ammonia-N	0.04	mg/L	
CO05	W1486	82-0965	9/26	9:28	Ammonia-N	<0.02	mg/L	
CO05	W1486	82-0211	5/2	10:57	Suspended Solids	12	mg/L	
CO05	W1486	82-0423	6/6	11:02	Suspended Solids	5.8	mg/L	
CO05	W1486	82-0586	7/18	10:24	Suspended Solids	11	mg/L	
CO05	W1486	82-0696	8/22	10:25	Suspended Solids	12	mg/L	
CO05	W1486	82-0965	9/26	9:28	Suspended Solids	14	mg/L	
CO05	W1486	82-0219	5/4	9:50	*E. coli*	39	CFU/100mL	
CO05	W1486	82-0445	6/8	9:35	*E. coli*	270	CFU/100mL	e
CO05	W1486	82-0623	7/20	9:48	*E. coli*	45	CFU/100mL	
CO05	W1486	82-0734	8/24	9:35	*E. coli*	140	CFU/100mL	e
CO05	W1486	82-0965	9/26	9:28	*E. coli*	67	CFU/100mL	
CO05	W1486	82-0219	5/4	9:50	Fecal Coliforms	39	CFU/100mL	
CO05	W1486	82-0445	6/8	9:35	Fecal Coliforms	250	CFU/100mL	e
CO05	W1486	82-0623	7/20	9:48	Fecal Coliforms	58	CFU/100mL	
CO05	W1486	82-0734	8/24	9:35	Fecal Coliforms	130	CFU/100mL	e
CO05	W1486	82-0965	9/26	9:28	Fecal Coliforms	67	CFU/100mL	
CO05	W1486	82-0423	6/6	11:02	Apparent color	70	PCU	
CO05	W1486	82-0586	7/18	10:24	Apparent color	65	PCU	
CO05	W1486	82-0696	8/22	10:25	Apparent color	36	PCU	
CO05	W1486	82-0423	6/6	11:02	True color	65	PCU	
CO05	W1486	82-0586	7/18	10:24	True color	60	PCU	
CO05	W1486	82-0696	8/22	10:25	True color	27	PCU	
CO05	W1486	82-0423	6/6	11:02	Turbidity	3.9	NTU	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
CO05	W1486	82-0586	7/18	10:24	Turbidity	5.9	NTU	
CO05	W1486	82-0696	8/22	10:25	Turbidity	8.2	NTU	
CO08	W1487	82-0418	6/6	9:38	Total Nitrogen	1.3	mg/L	
CO08	W1487	82-0581	7/18	9:12	Total Nitrogen	1.3	mg/L	
CO08	W1487	82-0694	8/22	9:15	Total Nitrogen	1.5	mg/L	
CO08	W1487	82-0963	9/26	8:39	Total Nitrogen	1.6	mg/L	
CO08	W1487	82-0206	5/2	9:30	Total Phosphorus	0.091	mg/L	
CO08	W1487	82-0418	6/6	9:38	Total Phosphorus	0.10	mg/L	
CO08	W1487	82-0581	7/18	9:12	Total Phosphorus	0.090	mg/L	
CO08	W1487	82-0694	8/22	9:15	Total Phosphorus	0.094	mg/L	
CO08	W1487	82-0963	9/26	8:39	Total Phosphorus	0.087	mg/L	
CO08	W1487	82-0694	8/22	9:15	Nitrate/Nitrite-N	0.77	mg/L	
CO08	W1487	82-0963	9/26	8:39	Nitrate/Nitrite-N	0.95	mg/L	
CO08	W1487	82-0206	5/2	9:30	Ammonia-N	0.02	mg/L	
CO08	W1487	82-0418	6/6	9:38	Ammonia-N	0.11	mg/L	
CO08	W1487	82-0581	7/18	9:12	Ammonia-N	0.02	mg/L	
CO08	W1487	82-0694	8/22	9:15	Ammonia-N	0.07	mg/L	
CO08	W1487	82-0963	9/26	8:39	Ammonia-N	<0.02	mg/L	
CO08	W1487	82-0206	5/2	9:30	Suspended Solids	11	mg/L	
CO08	W1487	82-0418	6/6	9:38	Suspended Solids	8.4	mg/L	
CO08	W1487	82-0581	7/18	9:12	Suspended Solids	11	mg/L	
CO08	W1487	82-0694	8/22	9:15	Suspended Solids	12	mg/L	
CO08	W1487	82-0963	9/26	8:39	Suspended Solids	15	mg/L	
CO08	W1487	82-0214	5/4	9:10	*E. coli*	110	CFU/100mL	p
CO08	W1487	82-0440	6/8	9:05	*E. coli*	510	CFU/100mL	e
CO08	W1487	82-0618	7/20	9:12	*E. coli*	290	CFU/100mL	
CO08	W1487	82-0732	8/24	9:05	*E. coli*	320	CFU/100mL	e
CO08	W1487	82-0963	9/26	8:39	*E. coli*	230	CFU/100mL	e
CO08	W1487	82-0214	5/4	9:10	Fecal Coliforms	110	CFU/100mL	p
CO08	W1487	82-0440	6/8	9:05	Fecal Coliforms	440	CFU/100mL	e
CO08	W1487	82-0618	7/20	9:12	Fecal Coliforms	290	CFU/100mL	
CO08	W1487	82-0732	8/24	9:05	Fecal Coliforms	240	CFU/100mL	e
CO08	W1487	82-0963	9/26	8:39	Fecal Coliforms	150	CFU/100mL	e
CO08	W1487	82-0418	6/6	9:38	Apparent color	60	PCU	
CO08	W1487	82-0581	7/18	9:12	Apparent color	70	PCU	
CO08	W1487	82-0694	8/22	9:15	Apparent color	46	PCU	
CO08	W1487	82-0418	6/6	9:38	True color	60	PCU	
CO08	W1487	82-0581	7/18	9:12	True color	50	PCU	
CO08	W1487	82-0694	8/22	9:15	True color	28	PCU	
CO08	W1487	82-0418	6/6	9:38	Turbidity	4.4	NTU	
CO08	W1487	82-0581	7/18	9:12	Turbidity	5.7	NTU	
CO08	W1487	82-0694	8/22	9:15	Turbidity	8.3	NTU	

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MA0100412	W1611	82-0628	7/18	8:26	Total Phosphorus	0.76	mg/L	
MA0100412	W1611	82-0742	8/22	8:35	Total Phosphorus	0.63	mg/L	
MA0100412	W1611	82-0991	9/26	8:50	Total Phosphorus	0.46	mg/L	
MA0100412	W1611	82-0991	9/26	8:50	Nitrate/Nitrite-N	7.6	mg/L	
MA0100412	W1611	82-0991	9/26	8:50	Ammonia-N	0.03	mg/L	
MA0100412	W1611	82-0628	7/18	8:26	Total Dissolved Phosphorus	0.72	mg/L	
MA0100412	W1611	82-0742	8/22	8:35	Total Dissolved Phosphorus	0.59	mg/L	
MA0100412	W1611	82-0991	9/26	8:50	Total Dissolved Phosphorus	0.41	mg/L	
MA0100480	W1610	82-0631	7/18	9:01	Total Phosphorus	0.30	mg/L	
MA0100480	W1610	82-0994	9/26	9:31	Total Phosphorus	0.33	mg/L	
MA0100480	W1610	82-0994	9/26	9:31	Nitrate/Nitrite-N	15.0	mg/L	
MA0100480	W1610	82-0994	9/26	9:31	Ammonia-N	0.71	mg/L	
MA0100480	W1610	82-0631	7/18	9:01	Total Dissolved Phosphorus	0.16	mg/L	
MA0100480	W1610	82-0745	8/22	9:19	Total Dissolved Phosphorus	0.070	mg/L	
MA0100480	W1610	82-0994	9/26	9:31	Total Dissolved Phosphorus	0.11	mg/L	
MA0101001	W1608	82-0633	7/18	10:20	Total Phosphorus	0.51	mg/L	
MA0101001	W1608	82-0996	9/26	11:10	Total Phosphorus	0.57	mg/L	
MA0101001	W1608	82-0996	9/26	11:10	Nitrate/Nitrite-N	16.0	mg/L	
MA0101001	W1608	82-0996	9/26	11:10	Ammonia-N	1.9	mg/L	
MA0101001	W1608	82-0633	7/18	10:20	Total Dissolved Phosphorus	0.23	mg/L	
MA0101001	W1608	82-0747	8/22	10:50	Total Dissolved Phosphorus	0.32	mg/L	
MA0101001	W1608	82-0996	9/26	11:10	Total Dissolved Phosphorus	0.35	mg/L	
MA0101788	W1609	82-0632	7/18	9:38	Total Phosphorus	1.0	mg/L	
MA0101788	W1609	82-0995	9/26	10:16	Total Phosphorus	0.63	mg/L	
MA0101788	W1609	82-0995	9/26	10:16	Nitrate/Nitrite-N	19.0	mg/L	
MA0101788	W1609	82-0995	9/26	10:16	Ammonia-N	0.45	mg/L	
MA0101788	W1609	82-0632	7/18	9:38	Total Dissolved Phosphorus	0.78	mg/L	
MA0101788	W1609	82-0746	8/22	10:10	Total Dissolved Phosphorus	0.36	mg/L	
MA0101788	W1609	82-0995	9/26	10:16	Total Dissolved Phosphorus	0.37	mg/L	
RM01	W1488	82-0419	6/6	11:35	Total Nitrogen	0.90	mg/L	
RM01	W1488	82-0585	7/18	11:04	Total Nitrogen	0.90	mg/L	
RM01	W1488	82-0699	8/22	11:00	Total Nitrogen	0.58	mg/L	
RM01	W1488	82-0968	9/26	9:57	Total Nitrogen	0.61	mg/L	
RM01	W1488	82-0207	5/2	11:35	Total Phosphorus	0.032	mg/L	
RM01	W1488	82-0419	6/6	11:35	Total Phosphorus	0.037	mg/L	
RM01	W1488	82-0585	7/18	11:04	Total Phosphorus	0.051	mg/L	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
RM01	W1488	82-0699	8/22	11:00	Total Phosphorus	0.051	mg/L	
RM01	W1488	82-0968	9/26	9:57	Total Phosphorus	0.050	mg/L	
RM01	W1488	82-0699	8/22	11:00	Nitrate/Nitrite-N	0.02	mg/L	
RM01	W1488	82-0968	9/26	9:57	Nitrate/Nitrite-N	<0.02	mg/L	
RM01	W1488	82-0207	5/2	11:35	Ammonia-N	<0.02	mg/L	
RM01	W1488	82-0419	6/6	11:35	Ammonia-N	0.05	mg/L	
RM01	W1488	82-0585	7/18	11:04	Ammonia-N	0.03	mg/L	
RM01	W1488	82-0699	8/22	11:00	Ammonia-N	0.02	mg/L	
RM01	W1488	82-0968	9/26	9:57	Ammonia-N	0.03	mg/L	
RM01	W1488	82-0207	5/2	11:35	Suspended Solids	2.5	mg/L	
RM01	W1488	82-0419	6/6	11:35	Suspended Solids	1.5	mg/L	
RM01	W1488	82-0585	7/18	11:04	Suspended Solids	2.6	mg/L	
RM01	W1488	82-0699	8/22	11:00	Suspended Solids	3.9	mg/L	
RM01	W1488	82-0968	9/26	9:57	Suspended Solids	2.9	mg/L	
RM01	W1488	82-0215	5/4	10:10	*E. coli*	26	CFU/100mL	
RM01	W1488	82-0441	6/8	9:48	*E. coli*	740	CFU/100mL	e
RM01	W1488	82-0622	7/20	10:01	*E. coli*	260	CFU/100mL	
RM01	W1488	82-0737	8/24	9:47	*E. coli*	97	CFU/100mL	
RM01	W1488	82-0968	9/26	9:57	*E. coli*	71	CFU/100mL	e
RM01	W1488	82-0215	5/4	10:10	Fecal Coliforms	39	CFU/100mL	
RM01	W1488	82-0441	6/8	9:48	Fecal Coliforms	520	CFU/100mL	e
RM01	W1488	82-0622	7/20	10:01	Fecal Coliforms	340	CFU/100mL	
RM01	W1488	82-0737	8/24	9:47	Fecal Coliforms	190	CFU/100mL	
RM01	W1488	82-0968	9/26	9:57	Fecal Coliforms	45	CFU/100mL	e
RM01	W1488	82-0419	6/6	11:35	Apparent color	120	PCU	
RM01	W1488	82-0585	7/18	11:04	Apparent color	140	PCU	
RM01	W1488	82-0699	8/22	11:00	Apparent color	50	PCU	
RM01	W1488	82-0419	6/6	11:35	True color	110	PCU	
RM01	W1488	82-0585	7/18	11:04	True color	140	PCU	
RM01	W1488	82-0699	8/22	11:00	True color	35	PCU	
RM01	W1488	82-0419	6/6	11:35	Turbidity	1.8	NTU	
RM01	W1488	82-0585	7/18	11:04	Turbidity	2.1	NTU	
RM01	W1488	82-0699	8/22	11:00	Turbidity	2.2	NTU	
RM10	W1489	82-0420	6/6	10:15	Total Nitrogen	0.97	mg/L	
RM10	W1489	82-0582	7/18	9:45	Total Nitrogen	1.3	mg/L	
RM10	W1489	82-0695	8/22	9:45	Total Nitrogen	1.0	mg/L	
RM10	W1489	82-0964	9/26	8:59	Total Nitrogen	0.89	mg/L	
RM10	W1489	82-0209	5/2	10:15	Total Phosphorus	0.046	mg/L	
RM10	W1489	82-0420	6/6	10:15	Total Phosphorus	0.045	mg/L	
RM10	W1489	82-0582	7/18	9:45	Total Phosphorus	0.058	mg/L	
RM10	W1489	82-0695	8/22	9:45	Total Phosphorus	0.030	mg/L	
RM10	W1489	82-0964	9/26	8:59	Total Phosphorus	0.026	mg/L	

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RM10	W1489	82-0695	8/22	9:45	Nitrate/Nitrite-N	0.56	mg/L	
RM10	W1489	82-0964	9/26	8:59	Nitrate/Nitrite-N	0.48	mg/L	
RM10	W1489	82-0209	5/2	10:15	Ammonia-N	0.11	mg/L	
RM10	W1489	82-0420	6/6	10:15	Ammonia-N	0.07	mg/L	
RM10	W1489	82-0582	7/18	9:45	Ammonia-N	0.14	mg/L	
RM10	W1489	82-0695	8/22	9:45	Ammonia-N	0.14	mg/L	
RM10	W1489	82-0964	9/26	8:59	Ammonia-N	0.12	mg/L	
RM10	W1489	82-0209	5/2	10:15	Suspended Solids	7.4	mg/L	
RM10	W1489	82-0420	6/6	10:15	Suspended Solids	4.2	mg/L	
RM10	W1489	82-0582	7/18	9:45	Suspended Solids	5.2	mg/L	
RM10	W1489	82-0695	8/22	9:45	Suspended Solids	2.4	mg/L	
RM10	W1489	82-0964	9/26	8:59	Suspended Solids	1.8	mg/L	
RM10	W1489	82-0217	5/4	9:24	*E. coli*	290	CFU/100mL	e
RM10	W1489	82-0442	6/8	9:18	*E. coli*	1100	CFU/100mL	e
RM10	W1489	82-0619	7/20	9:26	*E. coli*	690	CFU/100mL	
RM10	W1489	82-0733	8/24	9:17	*E. coli*	8400	CFU/100mL	
RM10	W1489	82-0964	9/26	8:59	*E. coli*	2200	CFU/100mL	
RM10	W1489	82-0217	5/4	9:24	Fecal Coliforms	270	CFU/100mL	e
RM10	W1489	82-0442	6/8	9:18	Fecal Coliforms	830	CFU/100mL	d, e
RM10	W1489	82-0619	7/20	9:26	Fecal Coliforms	1000	CFU/100mL	
RM10	W1489	82-0733	8/24	9:17	Fecal Coliforms	12000	CFU/100mL	
RM10	W1489	82-0964	9/26	8:59	Fecal Coliforms	3000	CFU/100mL	
RM10	W1489	82-0420	6/6	10:15	Apparent color	120	PCU	d
RM10	W1489	82-0582	7/18	9:45	Apparent color	90	PCU	
RM10	W1489	82-0695	8/22	9:45	Apparent color	44	PCU	
RM10	W1489	82-0420	6/6	10:15	True color	90	PCU	d
RM10	W1489	82-0582	7/18	9:45	True color	80	PCU	
RM10	W1489	82-0695	8/22	9:45	True color	25	PCU	
RM10	W1489	82-0420	6/6	10:15	Turbidity	2.6	NTU	
RM10	W1489	82-0582	7/18	9:45	Turbidity	5.2	NTU	
RM10	W1489	82-0695	8/22	9:45	Turbidity	3.4	NTU	
SU01	W0832	82-0408	6/6	9:05	Total Nitrogen	0.51	mg/L	
SU01	W0832	82-0570	7/18	8:40	Total Nitrogen	0.80	mg/L	
SU01	W0832	82-0684	8/22	8:40	Total Nitrogen	0.86	mg/L	
SU01	W0832	82-0953	9/26	8:31	Total Nitrogen	0.68	mg/L	
SU01	W0832	82-0230	5/2	9:00	Total Phosphorus	0.024	mg/L	
SU01	W0832	82-0408	6/6	9:05	Total Phosphorus	0.034	mg/L	
SU01	W0832	82-0570	7/18	8:40	Total Phosphorus	0.085	mg/L	
SU01	W0832	82-0684	8/22	8:40	Total Phosphorus	0.077	mg/L	
SU01	W0832	82-0953	9/26	8:31	Total Phosphorus	0.052	mg/L	
SU01	W0832	82-0684	8/22	8:40	Nitrate/Nitrite-N	0.20	mg/L	
SU01	W0832	82-0953	9/26	8:31	Nitrate/Nitrite-N	0.16	mg/L	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
SU01	W0832	82-0230	5/2	9:00	Ammonia-N	<0.02	mg/L	
SU01	W0832	82-0408	6/6	9:05	Ammonia-N	<0.02	mg/L	
SU01	W0832	82-0570	7/18	8:40	Ammonia-N	0.16	mg/L	
SU01	W0832	82-0684	8/22	8:40	Ammonia-N	0.12	mg/L	
SU01	W0832	82-0953	9/26	8:31	Ammonia-N	0.06	mg/L	
SU01	W0832	82-0230	5/2	9:00	Suspended Solids	2.3	mg/L	
SU01	W0832	82-0408	6/6	9:05	Suspended Solids	1.8	mg/L	
SU01	W0832	82-0570	7/18	8:40	Suspended Solids	6.3	mg/L	
SU01	W0832	82-0684	8/22	8:40	Suspended Solids	5.3	mg/L	
SU01	W0832	82-0953	9/26	8:31	Suspended Solids	3.6	mg/L	
SU01	W0832	82-0240	5/4	8:55	*E. coli*	39	CFU/100mL	m
SU01	W0832	82-0429	6/8	8:55	*E. coli*	290	CFU/100mL	e
SU01	W0832	82-0607	7/20	8:30	*E. coli*	71	CFU/100mL	d, e
SU01	W0832	82-0721	8/24	8:15	*E. coli*	100	CFU/100mL	d, e
SU01	W0832	82-0953	9/26	8:31	*E. coli*	45	CFU/100mL	
SU01	W0832	82-0240	5/4	8:55	Fecal Coliforms	39	CFU/100mL	m
SU01	W0832	82-0429	6/8	8:55	Fecal Coliforms	250	CFU/100mL	e
SU01	W0832	82-0607	7/20	8:30	Fecal Coliforms	6	CFU/100mL	e
SU01	W0832	82-0721	8/24	8:15	Fecal Coliforms	32	CFU/100mL	e
SU01	W0832	82-0953	9/26	8:31	Fecal Coliforms	52	CFU/100mL	
SU01	W0832	82-0408	6/6	9:05	Apparent color	95	PCU	
SU01	W0832	82-0570	7/18	8:40	Apparent color	70	PCU	d
SU01	W0832	82-0684	8/22	8:40	Apparent color	75	PCU	
SU01	W0832	82-0408	6/6	9:05	True color	70	PCU	
SU01	W0832	82-0570	7/18	8:40	True color	##	PCU	d
SU01	W0832	82-0684	8/22	8:40	True color	55	PCU	
SU01	W0832	82-0408	6/6	9:05	Turbidity	1.2	NTU	
SU01	W0832	82-0570	7/18	8:40	Turbidity	5.8	NTU	
SU01	W0832	82-0684	8/22	8:40	Turbidity	5.0	NTU	
SU04A	W0838	82-0411	6/6	9:53	Total Nitrogen	0.72	mg/L	
SU04A	W0838	82-0574	7/18	9:20	Total Nitrogen	0.71	mg/L	
SU04A	W0838	82-0687	8/22	9:15	Total Nitrogen	0.71	mg/L	
SU04A	W0838	82-0956	9/26	9:03	Total Nitrogen	0.55	mg/L	
SU04A	W0838	82-0232	5/2	9:45	Total Phosphorus	0.024	mg/L	
SU04A	W0838	82-0411	6/6	9:53	Total Phosphorus	0.034	mg/L	
SU04A	W0838	82-0574	7/18	9:20	Total Phosphorus	0.041	mg/L	
SU04A	W0838	82-0687	8/22	9:15	Total Phosphorus	0.031	mg/L	
SU04A	W0838	82-0956	9/26	9:03	Total Phosphorus	0.019	mg/L	
SU04A	W0838	82-0687	8/22	9:15	Nitrate/Nitrite-N	0.35	mg/L	
SU04A	W0838	82-0956	9/26	9:03	Nitrate/Nitrite-N	0.25	mg/L	
SU04A	W0838	82-0232	5/2	9:45	Ammonia-N	0.02	mg/L	
SU04A	W0838	82-0411	6/6	9:53	Ammonia-N	0.04	mg/L	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
SU04A	W0838	82-0574	7/18	9:20	Ammonia-N	0.04	mg/L	
SU04A	W0838	82-0687	8/22	9:15	Ammonia-N	0.05	mg/L	
SU04A	W0838	82-0956	9/26	9:03	Ammonia-N	<0.02	mg/L	
SU04A	W0838	82-0232	5/2	9:45	Suspended Solids	4.3	mg/L	
SU04A	W0838	82-0411	6/6	9:53	Suspended Solids	3.5	mg/L	
SU04A	W0838	82-0574	7/18	9:20	Suspended Solids	2.2	mg/L	
SU04A	W0838	82-0687	8/22	9:15	Suspended Solids	1.8	mg/L	
SU04A	W0838	82-0956	9/26	9:03	Suspended Solids	1.0	mg/L	
SU04A	W0838	82-0242	5/4	9:25	*E. coli*	90	CFU/100mL	e, m
SU04A	W0838	82-0432	6/8	9:24	*E. coli*	540	CFU/100mL	
SU04A	W0838	82-0610	7/20	9:00	*E. coli*	130	CFU/100mL	
SU04A	W0838	82-0724	8/24	8:45	*E. coli*	280	CFU/100mL	e
SU04A	W0838	82-0956	9/26	9:03	*E. coli*	190	CFU/100mL	
SU04A	W0838	82-0242	5/4	9:25	Fecal Coliforms	58	CFU/100mL	e, m
SU04A	W0838	82-0432	6/8	9:24	Fecal Coliforms	610	CFU/100mL	
SU04A	W0838	82-0610	7/20	9:00	Fecal Coliforms	180	CFU/100mL	
SU04A	W0838	82-0724	8/24	8:45	Fecal Coliforms	250	CFU/100mL	e
SU04A	W0838	82-0956	9/26	9:03	Fecal Coliforms	400	CFU/100mL	
SU04A	W0838	82-0411	6/6	9:53	Apparent color	55	PCU	
SU04A	W0838	82-0574	7/18	9:20	Apparent color	50	PCU	
SU04A	W0838	82-0687	8/22	9:15	Apparent color	45	PCU	
SU04A	W0838	82-0411	6/6	9:53	True color	55	PCU	
SU04A	W0838	82-0574	7/18	9:20	True color	45	PCU	
SU04A	W0838	82-0687	8/22	9:15	True color	42	PCU	
SU04A	W0838	82-0411	6/6	9:53	Turbidity	2.4	NTU	
SU04A	W0838	82-0574	7/18	9:20	Turbidity	3.3	NTU	
SU04A	W0838	82-0687	8/22	9:15	Turbidity	3.0	NTU	
SU07	W0696	82-0412	6/6	10:30	Total Nitrogen	0.89	mg/L	
SU07	W0696	82-0575	7/18	10:03	Total Nitrogen	0.73	mg/L	
SU07	W0696	82-0688	8/22	9:55	Total Nitrogen	0.62	mg/L	
SU07	W0696	82-0957	9/26	9:40	Total Nitrogen	0.53	mg/L	
SU07	W0696	82-0233	5/2	10:20	Total Phosphorus	0.052	mg/L	
SU07	W0696	82-0412	6/6	10:30	Total Phosphorus	0.028	mg/L	
SU07	W0696	82-0575	7/18	10:03	Total Phosphorus	0.036	mg/L	
SU07	W0696	82-0688	8/22	9:55	Total Phosphorus	0.026	mg/L	
SU07	W0696	82-0957	9/26	9:40	Total Phosphorus	0.016	mg/L	
SU07	W0696	82-0688	8/22	9:55	Nitrate/Nitrite-N	0.18	mg/L	
SU07	W0696	82-0957	9/26	9:40	Nitrate/Nitrite-N	0.18	mg/L	
SU07	W0696	82-0233	5/2	10:20	Ammonia-N	0.07	mg/L	
SU07	W0696	82-0412	6/6	10:30	Ammonia-N	0.07	mg/L	
SU07	W0696	82-0575	7/18	10:03	Ammonia-N	0.10	mg/L	
SU07	W0696	82-0688	8/22	9:55	Ammonia-N	0.07	mg/L	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
SU07	W0696	82-0957	9/26	9:40	Ammonia-N	0.03	mg/L	
SU07	W0696	82-0233	5/2	10:20	Suspended Solids	13	mg/L	
SU07	W0696	82-0412	6/6	10:30	Suspended Solids	2.6	mg/L	
SU07	W0696	82-0575	7/18	10:03	Suspended Solids	1.4	mg/L	
SU07	W0696	82-0688	8/22	9:55	Suspended Solids	2.5	mg/L	
SU07	W0696	82-0957	9/26	9:40	Suspended Solids	1.4	mg/L	
SU07	W0696	82-0243	5/4	9:50	*E. coli*	160	CFU/100mL	m
SU07	W0696	82-0433	6/8	10:02	*E. coli*	670	CFU/100mL	e
SU07	W0696	82-0611	7/20	10:15	*E. coli*	310	CFU/100mL	e
SU07	W0696	82-0725	8/24	9:35	*E. coli*	140	CFU/100mL	
SU07	W0696	82-0957	9/26	9:40	*E. coli*	140	CFU/100mL	
SU07	W0696	82-0243	5/4	9:50	Fecal Coliforms	170	CFU/100mL	m
SU07	W0696	82-0433	6/8	10:02	Fecal Coliforms	600	CFU/100mL	e
SU07	W0696	82-0611	7/20	10:15	Fecal Coliforms	270	CFU/100mL	e
SU07	W0696	82-0725	8/24	9:35	Fecal Coliforms	230	CFU/100mL	
SU07	W0696	82-0957	9/26	9:40	Fecal Coliforms	170	CFU/100mL	
SU07	W0696	82-0412	6/6	10:30	Apparent color	50	PCU	
SU07	W0696	82-0575	7/18	10:03	Apparent color	30	PCU	
SU07	W0696	82-0688	8/22	9:55	Apparent color	27	PCU	
SU07	W0696	82-0412	6/6	10:30	True color	46	PCU	
SU07	W0696	82-0575	7/18	10:03	True color	30	PCU	
SU07	W0696	82-0688	8/22	9:55	True color	26	PCU	
SU07	W0696	82-0412	6/6	10:30	Turbidity	2.8	NTU	
SU07	W0696	82-0575	7/18	10:03	Turbidity	2.0	NTU	
SU07	W0696	82-0688	8/22	9:55	Turbidity	2.0	NTU	
SU08	W1480	82-0413	6/6	11:05	Total Nitrogen	1.2	mg/L	
SU08	W1480	82-0576	7/18	10:30	Total Nitrogen	0.72	mg/L	
SU08	W1480	82-0689	8/22	10:20	Total Nitrogen	0.60	mg/L	
SU08	W1480	82-0958	9/26	10:03	Total Nitrogen	0.54	mg/L	
SU08	W1480	82-0234	5/2	10:50	Total Phosphorus	0.025	mg/L	
SU08	W1480	82-0413	6/6	11:05	Total Phosphorus	0.029	mg/L	
SU08	W1480	82-0576	7/18	10:30	Total Phosphorus	0.033	mg/L	
SU08	W1480	82-0689	8/22	10:20	Total Phosphorus	0.025	mg/L	
SU08	W1480	82-0958	9/26	10:03	Total Phosphorus	0.015	mg/L	
SU08	W1480	82-0689	8/22	10:20	Nitrate/Nitrite-N	0.23	mg/L	
SU08	W1480	82-0958	9/26	10:03	Nitrate/Nitrite-N	0.22	mg/L	
SU08	W1480	82-0234	5/2	10:50	Ammonia-N	0.04	mg/L	
SU08	W1480	82-0413	6/6	11:05	Ammonia-N	0.06	mg/L	
SU08	W1480	82-0576	7/18	10:30	Ammonia-N	0.06	mg/L	
SU08	W1480	82-0689	8/22	10:20	Ammonia-N	0.06	mg/L	
SU08	W1480	82-0958	9/26	10:03	Ammonia-N	0.02	mg/L	
SU08	W1480	82-0234	5/2	10:50	Suspended Solids	4.8	mg/L	

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SU08	W1480	82-0413	6/6	11:05	Suspended Solids	3.4	mg/L	
SU08	W1480	82-0576	7/18	10:30	Suspended Solids	<1.0	mg/L	
SU08	W1480	82-0689	8/22	10:20	Suspended Solids	1.4	mg/L	
SU08	W1480	82-0958	9/26	10:03	Suspended Solids	1.3	mg/L	
SU08	W1480	82-0244	5/4	10:10	*E. coli*	77	CFU/100mL	m
SU08	W1480	82-0434	6/8	10:13	*E. coli*	610	CFU/100mL	
SU08	W1480	82-0612	7/20	10:30	*E. coli*	65	CFU/100mL	
SU08	W1480	82-0726	8/24	10:00	*E. coli*	77	CFU/100mL	
SU08	W1480	82-0958	9/26	10:03	*E. coli*	190	CFU/100mL	e
SU08	W1480	82-0244	5/4	10:10	Fecal Coliforms	77	CFU/100mL	m
SU08	W1480	82-0434	6/8	10:13	Fecal Coliforms	630	CFU/100mL	
SU08	W1480	82-0612	7/20	10:30	Fecal Coliforms	97	CFU/100mL	
SU08	W1480	82-0726	8/24	10:00	Fecal Coliforms	120	CFU/100mL	
SU08	W1480	82-0958	9/26	10:03	Fecal Coliforms	120	CFU/100mL	e
SU08	W1480	82-0413	6/6	11:05	Apparent color	33	PCU	
SU08	W1480	82-0576	7/18	10:30	Apparent color	43	PCU	
SU08	W1480	82-0689	8/22	10:20	Apparent color	23	PCU	
SU08	W1480	82-0413	6/6	11:05	True color	32	PCU	
SU08	W1480	82-0576	7/18	10:30	True color	35	PCU	
SU08	W1480	82-0689	8/22	10:20	True color	20	PCU	
SU08	W1480	82-0413	6/6	11:05	Turbidity	2.1	NTU	
SU08	W1480	82-0576	7/18	10:30	Turbidity	1.8	NTU	
SU08	W1480	82-0689	8/22	10:20	Turbidity	1.5	NTU	
SU09	W0850	82-0414	6/6	12:00	Total Nitrogen	0.70	mg/L	
SU09	W0850	82-0578	7/18	11:30	Total Nitrogen	0.84	mg/L	
SU09	W0850	82-0691	8/22	11:00	Total Nitrogen	0.73	mg/L	
SU09	W0850	82-0960	9/26	10:40	Total Nitrogen	0.63	mg/L	
SU09	W0850	82-0235	5/2	11:20	Total Phosphorus	0.044	mg/L	
SU09	W0850	82-0414	6/6	12:00	Total Phosphorus	0.024	mg/L	
SU09	W0850	82-0578	7/18	11:30	Total Phosphorus	0.063	mg/L	
SU09	W0850	82-0691	8/22	11:00	Total Phosphorus	0.048	mg/L	
SU09	W0850	82-0960	9/26	10:40	Total Phosphorus	0.041	mg/L	
SU09	W0850	82-0691	8/22	11:00	Nitrate/Nitrite-N	0.23	mg/L	
SU09	W0850	82-0960	9/26	10:40	Nitrate/Nitrite-N	0.20	mg/L	
SU09	W0850	82-0235	5/2	11:20	Ammonia-N	0.04	mg/L	
SU09	W0850	82-0414	6/6	12:00	Ammonia-N	0.04	mg/L	
SU09	W0850	82-0578	7/18	11:30	Ammonia-N	0.08	mg/L	
SU09	W0850	82-0691	8/22	11:00	Ammonia-N	0.08	mg/L	
SU09	W0850	82-0960	9/26	10:40	Ammonia-N	0.03	mg/L	
SU09	W0850	82-0235	5/2	11:20	Suspended Solids	14	mg/L	
SU09	W0850	82-0414	6/6	12:00	Suspended Solids	1.5	mg/L	
SU09	W0850	82-0578	7/18	11:30	Suspended Solids	4.5	mg/L	

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SU09	W0850	82-0691	8/22	11:00	Suspended Solids	8.3	mg/L	
SU09	W0850	82-0960	9/26	10:40	Suspended Solids	11	mg/L	
SU09	W0850	82-0245	5/4	10:45	*E. coli*	240	CFU/100mL	e, m
SU09	W0850	82-0437	6/8	10:43	*E. coli*	760	CFU/100mL	e
SU09	W0850	82-0614	7/20	10:50	*E. coli*	350	CFU/100mL	e
SU09	W0850	82-0728	8/24	10:15	*E. coli*	100	CFU/100mL	
SU09	W0850	82-0960	9/26	10:40	*E. coli*	130	CFU/100mL	e
SU09	W0850	82-0245	5/4	10:45	Fecal Coliforms	160	CFU/100mL	e, m
SU09	W0850	82-0437	6/8	10:43	Fecal Coliforms	650	CFU/100mL	e
SU09	W0850	82-0614	7/20	10:50	Fecal Coliforms	210	CFU/100mL	e
SU09	W0850	82-0728	8/24	10:15	Fecal Coliforms	170	CFU/100mL	
SU09	W0850	82-0960	9/26	10:40	Fecal Coliforms	58	CFU/100mL	e
SU09	W0850	82-0414	6/6	12:00	Apparent color	39	PCU	
SU09	W0850	82-0578	7/18	11:30	Apparent color	50	PCU	
SU09	W0850	82-0691	8/22	11:00	Apparent color	39	PCU	
SU09	W0850	82-0414	6/6	12:00	True color	34	PCU	
SU09	W0850	82-0578	7/18	11:30	True color	39	PCU	
SU09	W0850	82-0691	8/22	11:00	True color	26	PCU	
SU09	W0850	82-0414	6/6	12:00	Turbidity	1.2	NTU	
SU09	W0850	82-0578	7/18	11:30	Turbidity	4.0	NTU	
SU09	W0850	82-0691	8/22	11:00	Turbidity	3.9	NTU	
SU12	W0847	82-0415	6/6	12:35	Total Nitrogen	0.68	mg/L	
SU12	W0847	82-0579	7/18	11:55	Total Nitrogen	0.87	mg/L	
SU12	W0847	82-0692	8/22	11:25	Total Nitrogen	0.76	mg/L	
SU12	W0847	82-0961	9/26	11:04	Total Nitrogen	0.67	mg/L	
SU12	W0847	82-0236	5/2	12:00	Total Phosphorus	0.046	mg/L	
SU12	W0847	82-0415	6/6	12:35	Total Phosphorus	0.025	mg/L	
SU12	W0847	82-0579	7/18	11:55	Total Phosphorus	0.087	mg/L	
SU12	W0847	82-0692	8/22	11:25	Total Phosphorus	0.071	mg/L	
SU12	W0847	82-0961	9/26	11:04	Total Phosphorus	0.049	mg/L	
SU12	W0847	82-0692	8/22	11:25	Nitrate/Nitrite-N	0.19	mg/L	
SU12	W0847	82-0961	9/26	11:04	Nitrate/Nitrite-N	0.22	mg/L	
SU12	W0847	82-0236	5/2	12:00	Ammonia-N	0.03	mg/L	
SU12	W0847	82-0415	6/6	12:35	Ammonia-N	<0.02	mg/L	
SU12	W0847	82-0579	7/18	11:55	Ammonia-N	0.10	mg/L	
SU12	W0847	82-0692	8/22	11:25	Ammonia-N	0.10	mg/L	
SU12	W0847	82-0961	9/26	11:04	Ammonia-N	0.03	mg/L	
SU12	W0847	82-0236	5/2	12:00	Suspended Solids	15	mg/L	
SU12	W0847	82-0415	6/6	12:35	Suspended Solids	<1.0	mg/L	
SU12	W0847	82-0579	7/18	11:55	Suspended Solids	8.6	mg/L	
SU12	W0847	82-0692	8/22	11:25	Suspended Solids	21	mg/L	
SU12	W0847	82-0961	9/26	11:04	Suspended Solids	12	mg/L	

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SU12	W0847	82-0246	5/4	11:00	*E. coli*	90	CFU/100mL	e, m
SU12	W0847	82-0436	6/8	11:16	*E. coli*	420	CFU/100mL	
SU12	W0847	82-0615	7/20	11:05	*E. coli*	19	CFU/100mL	e
SU12	W0847	82-0729	8/24	10:30	*E. coli*	45	CFU/100mL	e
SU12	W0847	82-0961	9/26	11:04	*E. coli*	97	CFU/100mL	
SU12	W0847	82-0246	5/4	11:00	Fecal Coliforms	77	CFU/100mL	e, m
SU12	W0847	82-0436	6/8	11:16	Fecal Coliforms	570	CFU/100mL	
SU12	W0847	82-0615	7/20	11:05	Fecal Coliforms	6	CFU/100mL	e
SU12	W0847	82-0729	8/24	10:30	Fecal Coliforms	26	CFU/100mL	e
SU12	W0847	82-0961	9/26	11:04	Fecal Coliforms	130	CFU/100mL	
SU12	W0847	82-0415	6/6	12:35	Apparent color	33	PCU	
SU12	W0847	82-0579	7/18	11:55	Apparent color	60	PCU	
SU12	W0847	82-0692	8/22	11:25	Apparent color	40	PCU	
SU12	W0847	82-0415	6/6	12:35	True color	33	PCU	
SU12	W0847	82-0579	7/18	11:55	True color	45	PCU	
SU12	W0847	82-0692	8/22	11:25	True color	24	PCU	
SU12	W0847	82-0415	6/6	12:35	Turbidity	0.9	NTU	
SU12	W0847	82-0579	7/18	11:55	Turbidity	4.4	NTU	
SU12	W0847	82-0692	8/22	11:25	Turbidity	7.7	NTU	
SU14	W1481	82-0417	6/6	13:10	Total Nitrogen	1.2	mg/L	
SU14	W1481	82-0580	7/18	12:30	Total Nitrogen	0.76	mg/L	
SU14	W1481	82-0693	8/22	12:00	Total Nitrogen	0.75	mg/L	r
SU14	W1481	82-0962	9/26	11:32	Total Nitrogen	0.65	mg/L	
SU14	W1481	82-0238	5/2	12:35	Total Phosphorus	0.044	mg/L	
SU14	W1481	82-0417	6/6	13:10	Total Phosphorus	0.033	mg/L	
SU14	W1481	82-0580	7/18	12:30	Total Phosphorus	0.079	mg/L	
SU14	W1481	82-0693	8/22	12:00	Total Phosphorus	0.082	mg/L	r
SU14	W1481	82-0962	9/26	11:32	Total Phosphorus	0.054	mg/L	
SU14	W1481	82-0693	8/22	12:00	Nitrate/Nitrite-N	0.10	mg/L	r
SU14	W1481	82-0962	9/26	11:32	Nitrate/Nitrite-N	0.14	mg/L	
SU14	W1481	82-0238	5/2	12:35	Ammonia-N	<0.02	mg/L	
SU14	W1481	82-0417	6/6	13:10	Ammonia-N	0.06	mg/L	
SU14	W1481	82-0580	7/18	12:30	Ammonia-N	0.03	mg/L	
SU14	W1481	82-0693	8/22	12:00	Ammonia-N	0.03	mg/L	r
SU14	W1481	82-0962	9/26	11:32	Ammonia-N	<0.02	mg/L	
SU14	W1481	82-0238	5/2	12:35	Suspended Solids	10	mg/L	
SU14	W1481	82-0417	6/6	13:10	Suspended Solids	2.5	mg/L	
SU14	W1481	82-0580	7/18	12:30	Suspended Solids	8.2	mg/L	
SU14	W1481	82-0693	8/22	12:00	Suspended Solids	21	mg/L	r
SU14	W1481	82-0962	9/26	11:32	Suspended Solids	1.7	mg/L	
SU14	W1481	82-0248	5/4	11:20	*E. coli*	<6	CFU/100mL	m
SU14	W1481	82-0438	6/8	11:24	*E. coli*	130	CFU/100mL	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
SU14	W1481	82-0616	7/20	11:20	*E. coli*	32	CFU/100mL	e
SU14	W1481	82-0730	8/24	10:45	*E. coli*	19	CFU/100mL	e
SU14	W1481	82-0962	9/26	11:32	*E. coli*	6	CFU/100mL	
SU14	W1481	82-0248	5/4	11:20	Fecal Coliforms	6	CFU/100mL	m
SU14	W1481	82-0438	6/8	11:24	Fecal Coliforms	170	CFU/100mL	
SU14	W1481	82-0616	7/20	11:20	Fecal Coliforms	13	CFU/100mL	e
SU14	W1481	82-0730	8/24	10:45	Fecal Coliforms	6	CFU/100mL	e
SU14	W1481	82-0962	9/26	11:32	Fecal Coliforms	6	CFU/100mL	
SU14	W1481	82-0417	6/6	13:10	Apparent color	41	PCU	
SU14	W1481	82-0580	7/18	12:30	Apparent color	60	PCU	
SU14	W1481	82-0693	8/22	12:00	Apparent color	52	PCU	r
SU14	W1481	82-0417	6/6	13:10	True color	40	PCU	
SU14	W1481	82-0580	7/18	12:30	True color	46	PCU	
SU14	W1481	82-0693	8/22	12:00	True color	41	PCU	r
SU14	W1481	82-0417	6/6	13:10	Turbidity	1.5	NTU	
SU14	W1481	82-0580	7/18	12:30	Turbidity	4.5	NTU	
SU14	W1481	82-0693	8/22	12:00	Turbidity	10.5	NTU	r
SU15	W0844	82-0407	6/6	12:59	Total Nitrogen	0.79	mg/L	
SU15	W0844	82-0569	7/18	11:54	Total Nitrogen	0.74	mg/L	
SU15	W0844	82-0683	8/22	13:00	Total Nitrogen	0.70	mg/L	
SU15	W0844	82-0952	9/26	10:43	Total Nitrogen	0.73	mg/L	
SU15	W0844	82-0186	5/2	12:10	Total Phosphorus	0.047	mg/L	
SU15	W0844	82-0407	6/6	12:59	Total Phosphorus	0.038	mg/L	
SU15	W0844	82-0569	7/18	11:54	Total Phosphorus	0.065	mg/L	
SU15	W0844	82-0683	8/22	13:00	Total Phosphorus	0.070	mg/L	
SU15	W0844	82-0952	9/26	10:43	Total Phosphorus	0.067	mg/L	
SU15	W0844	82-0683	8/22	13:00	Nitrate/Nitrite-N	0.06	mg/L	
SU15	W0844	82-0952	9/26	10:43	Nitrate/Nitrite-N	0.11	mg/L	
SU15	W0844	82-0186	5/2	12:10	Ammonia-N	<0.02	mg/L	
SU15	W0844	82-0407	6/6	12:59	Ammonia-N	0.06	mg/L	
SU15	W0844	82-0569	7/18	11:54	Ammonia-N	<0.02	mg/L	
SU15	W0844	82-0683	8/22	13:00	Ammonia-N	<0.02	mg/L	
SU15	W0844	82-0952	9/26	10:43	Ammonia-N	<0.02	mg/L	
SU15	W0844	82-0186	5/2	12:10	Suspended Solids	12	mg/L	
SU15	W0844	82-0407	6/6	12:59	Suspended Solids	2.9	mg/L	
SU15	W0844	82-0569	7/18	11:54	Suspended Solids	5.5	mg/L	
SU15	W0844	82-0683	8/22	13:00	Suspended Solids	14	mg/L	
SU15	W0844	82-0952	9/26	10:43	Suspended Solids	16	mg/L	
SU15	W0844	82-0196	5/4	11:41	*E. coli*	26	CFU/100mL	m
SU15	W0844	82-0439	6/8	11:11	*E. coli*	100	CFU/100mL	
SU15	W0844	82-0617	7/20	11:30	*E. coli*	52	CFU/100mL	e
SU15	W0844	82-0731	8/24	11:00	*E. coli*	26	CFU/100mL	

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
SU15	W0844	82-0196	5/4	11:41	Fecal Coliforms	26	CFU/100mL	m
SU15	W0844	82-0439	6/8	11:11	Fecal Coliforms	120	CFU/100mL	
SU15	W0844	82-0617	7/20	11:30	Fecal Coliforms	45	CFU/100mL	e
SU15	W0844	82-0731	8/24	11:00	Fecal Coliforms	65	CFU/100mL	
SU15	W0844	82-0407	6/6	12:59	Apparent color	60	PCU	
SU15	W0844	82-0569	7/18	11:54	Apparent color	50	PCU	
SU15	W0844	82-0683	8/22	13:00	Apparent color	47	PCU	
SU15	W0844	82-0407	6/6	12:59	True color	42	PCU	
SU15	W0844	82-0569	7/18	11:54	True color	39	PCU	
SU15	W0844	82-0683	8/22	13:00	True color	30	PCU	
SU15	W0844	82-0407	6/6	12:59	Turbidity	2.1	NTU	
SU15	W0844	82-0569	7/18	11:54	Turbidity	4.3	NTU	
SU15	W0844	82-0683	8/22	13:00	Turbidity	7.6	NTU	
WB01	W0849	82-0416	6/6	11:35	Total Nitrogen	1.6	mg/L	
WB01	W0849	82-0577	7/18	10:55	Total Nitrogen	0.69	mg/L	
WB01	W0849	82-0690	8/22	10:39	Total Nitrogen	0.75	mg/L	
WB01	W0849	82-0959	9/26	10:22	Total Nitrogen	0.82	mg/L	
WB01	W0849	82-0237	5/2	11:15	Total Phosphorus	0.050	mg/L	
WB01	W0849	82-0416	6/6	11:35	Total Phosphorus	0.064	mg/L	
WB01	W0849	82-0577	7/18	10:55	Total Phosphorus	0.082	mg/L	
WB01	W0849	82-0690	8/22	10:39	Total Phosphorus	0.089	mg/L	
WB01	W0849	82-0959	9/26	10:22	Total Phosphorus	0.042	mg/L	
WB01	W0849	82-0690	8/22	10:39	Nitrate/Nitrite-N	0.35	mg/L	
WB01	W0849	82-0959	9/26	10:22	Nitrate/Nitrite-N	0.53	mg/L	
WB01	W0849	82-0237	5/2	11:15	Ammonia-N	0.06	mg/L	
WB01	W0849	82-0416	6/6	11:35	Ammonia-N	0.03	mg/L	
WB01	W0849	82-0577	7/18	10:55	Ammonia-N	0.05	mg/L	
WB01	W0849	82-0690	8/22	10:39	Ammonia-N	0.07	mg/L	
WB01	W0849	82-0959	9/26	10:22	Ammonia-N	<0.02	mg/L	
WB01	W0849	82-0237	5/2	11:15	Suspended Solids	3.1	mg/L	
WB01	W0849	82-0416	6/6	11:35	Suspended Solids	1.3	mg/L	
WB01	W0849	82-0577	7/18	10:55	Suspended Solids	2.0	mg/L	
WB01	W0849	82-0690	8/22	10:39	Suspended Solids	4.4	mg/L	
WB01	W0849	82-0959	9/26	10:22	Suspended Solids	1.5	mg/L	
WB01	W0849	82-0247	5/4	10:25	*E. coli*	90	CFU/100mL	m
WB01	W0849	82-0435	6/8	10:28	*E. coli*	77	CFU/100mL	e
WB01	W0849	82-0613	7/20	10:40	*E. coli*	65	CFU/100mL	e
WB01	W0849	82-0727	8/24	10:20	*E. coli*	160	CFU/100mL	e
WB01	W0849	82-0959	9/26	10:22	*E. coli*	77	CFU/100mL	
WB01	W0849	82-0247	5/4	10:25	Fecal Coliforms	110	CFU/100mL	m
WB01	W0849	82-0435	6/8	10:28	Fecal Coliforms	32	CFU/100mL	e
WB01	W0849	82-0613	7/20	10:40	Fecal Coliforms	26	CFU/100mL	e

Station ID	Unique ID	OWMID	Date	Time	Analyte	Result	Units	Result Qualifiers
WB01	W0849	82-0727	8/24	10:20	Fecal Coliforms	58	CFU/100mL	e
WB01	W0849	82-0959	9/26	10:22	Fecal Coliforms	97	CFU/100mL	
WB01	W0849	82-0416	6/6	11:35	Apparent color	46	PCU	
WB01	W0849	82-0577	7/18	10:55	Apparent color	33	PCU	
WB01	W0849	82-0690	8/22	10:39	Apparent color	36	PCU	
WB01	W0849	82-0416	6/6	11:35	True color	41	PCU	
WB01	W0849	82-0577	7/18	10:55	True color	28	PCU	
WB01	W0849	82-0690	8/22	10:39	True color	23	PCU	
WB01	W0849	82-0416	6/6	11:35	Turbidity	1.1	NTU	
WB01	W0849	82-0577	7/18	10:55	Turbidity	1.8	NTU	
WB01	W0849	82-0690	8/22	10:39	Turbidity	2.0	NTU	

Table 8. Geometric mean* of the 2006 *E. coli* results for each DWM Concord River Watershed sampling station.

Station ID	Unique ID	Sample Count	Geometric Mean (CFU/100 ml)
AS01	W0843	5	373
AS01A	W1468	5	97
AS02	W1469	5	333
AS04	W0695	5	456
AS05	W1470	5	402
AS06	W1471	5	424
AS07	W1472	5	184
AS08	W1473	5	204
AS11	W1474	5	274
AS14	W1475	5	553
AS15A	W1476	5	194
AS16	W1477	5	101
AS16A	W1478	5	43
AS20	W1479	5	708
CO01	W1482	5	208
CO02	W1483	5	75
CO03	W1484	5	36
CO04	W1485	5	38
CO05	W1486	5	85
CO08	W1487	5	260
RM01	W1488	5	128
RM10	W1489	5	1,324
SU01	W0832	5	82
SU04A	W0838	5	202

SU07	W0696	5	231
SU08	W1480	5	135
SU09	W0850	5	242
SU12	W0847	5	79
SU14	W1481	5	20
SU15	W0844	4	43
WB01	W0849	5	89

*The detection limit was used in the geometric mean calculation if the result was below the detection limit. The second paired result from duplicate samples was removed before completing the geometric mean calculation.

Table 9. 2006 MassDEP DWM Concord River Watershed attended multiprobe data.

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS01	W0843	82-0203	5/2	11:42	0.5		12.73		7.19		393.3		251.7		9.1		86.7	
AS01	W0843	82-0270	6/6	12:37	0.2		16.93		6.54		242.7		155.3		8.9		92.9	
AS01	W0843	82-0343	6/2	13:36	0.4		22.71		--		--		--		6.6	i	77.7	i
AS01	W0843	82-0344	6/5	9:49	0.4		15.41		--		--		--		7.9		81.1	
AS01	W0843	82-0478	7/14	13:27	1.0		23.77		--		--		--		7.4	i	88.6	i
AS01	W0843	82-0479	7/17	9:57	0.5		25.59		--		--		--		6.8		84.3	
AS01	W0843	82-0535	7/18	11:31	0.8		27.47		6.99		367	u	234.9	u	6.9		89.2	
AS01	W0843	82-0648	8/22	12:32	1.1		22.89		7.46		608		395		8.8		102.9	
AS01	W0843	82-0778	8/18	13:12	0.6		23.13		--		--		--		10.0		119.1	
AS01	W0843	82-0779	8/21	9:55	0.8		22.94		--		--		--		7.0		83.2	
AS01	W0843	82-0860	9/15	13:55	0.3		18.94		--		--		--		10.1		110.4	
AS01	W0843	82-0861	9/18	10:55	0.6		19.24		--		--		--		8.7		96.3	
AS01	W0843	82-0917	9/26	10:16	0.5		16.05		7.15		520.5		333.1		8.5		87.7	
AS01A	W1468	82-0170	5/2	8:50	0.3		12.13		6.87		179		116		10.4		97.1	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS01A	W1468	82-0257	6/6	8:52	0.3		18.19		6.94		171		111		9.4		99.4	
AS01A	W1468	82-0522	7/18	8:28	0.1		26.54		6.94		186		119		6.2		78.5	
AS01A	W1468	82-0635	8/22	8:33	0.1		17.21		7.12		353		230		8.7		90.4	
AS01A	W1468	82-0904	9/26	7:59	0.3		17.69		7.08		186		121		9.2		96.7	
AS02	W1469	82-0171	5/2	9:15	0.2		12.73		6.5		865	c	562	c	9.0		84.8	
AS02	W1469	82-0258	6/6	9:17	0.3		17.22		6.47		392		254		8.7		90.2	
AS02	W1469	82-0523	7/18	8:55	0.2		23.69		6.51		783.7	c	501.6	c	6.2		74.1	
AS02	W1469	82-0636	8/22	9:14	0.2		21.02		6.65		1149	c	747	c	7.2		80.9	
AS02	W1469	82-0905	9/26	8:23	0.2		17.62		6.94		565	u	367	u	8.4		88.3	
AS04	W0695	82-0172	5/2	9:40	0.4		11.59		6.73		684		445		8.6		79.5	
AS04	W0695	82-0259	6/6	9:48	0.4		15.59		6.48		315		205		8.0		80.8	
AS04	W0695	82-0319	6/2	8:10	0.3		20.39		--		--		--		5.7	i	64.6	i
AS04	W0695	82-0320	6/5	8:30	0.1		14.94		--		--		--		6.7		68	
AS04	W0695	82-0451	7/14	8:37	0.3		19.95		--		--		--		6.0	i	67.2	i
AS04	W0695	82-0452	7/17	8:18	0.3		22.29		--		--		--		5.5		64.4	
AS04	W0695	82-0524	7/18	9:25	0.3		23.43		6.64		789.4	c	505.2	c	5.2		61.7	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS04	W0695	82-0637	8/22	9:49	0.3		19.4		6.8		875	c	569	c	6.2		68	
AS04	W0695	82-0751	8/18	8:49	0.2		20.66		--		--		--		5.5		62	
AS04	W0695	82-0752	8/21	8:11	0.4		21.03		--		--		--		5.7		65.4	
AS04	W0695	82-0833	9/15	8:43	0.2		17.54		--		--		--		6.0		63.2	
AS04	W0695	82-0834	9/18	8:21	0.1		18.31		--		--		--		5.8		63	
AS04	W0695	82-0906	9/26	8:48	0.4		16.14		6.93		695		452		7.4		75.6	
AS05	W1470	82-0173	5/2	10:00	1.1		11.83		6.81		678		441		8.2		76.3	
AS05	W1470	82-0260	6/6	10:10	1.2		15.85		6.53		314		204		7.6		76.7	
AS05	W1470	82-0525	7/18	9:46	1.1		24.2		6.75		735.1	c	470.4	c	3.7		45.2	
AS05	W1470	82-0638	8/22	10:20	0.0	i	19.6		6.85		785	c	510	c	6.5	u	70.6	u
AS05	W1470	82-0907	9/26	9:14	0.3		15.91		6.97		663		431		7.3		73.8	
AS06	W1471	82-0174	5/2	10:19	1.1		12.05		7.01		615		400		10.2		94.8	
AS06	W1471	82-0261	6/6	10:27	0.4		15.41		6.65		313		203		9.6		96.1	
AS06	W1471	82-0454	7/14	9:05	0.4		20.06		--		--		--		7.2	i	81.3	i
AS06	W1471	82-0455	7/17	8:52	0.4		23.57		--		--		--		6.9		82.9	
AS06	W1471	82-0526	7/18	10:16	0.6		24.64		6.99		663.9		424.9		5.3		64.5	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS06	W1471	82-0639	8/22	10:50	0.6		19.53		7.06		721	c	469	c	8.1		88.2	
AS06	W1471	82-0754	8/18	9:14	0.5		21.27		--		--		--		7.3		82.5	
AS06	W1471	82-0755	8/21	8:30	0.2		21.54		--		--		--		7.2		83.1	
AS06	W1471	82-0836	9/15	9:22	0.7		16.75		--		--		--		6.6	u	68.6	u
AS06	W1471	82-0837	9/18	8:45	0.2		18.77		--		--		--		7.4		81.2	
AS06	W1471	82-0908	9/26	9:35	0.5		15.68		7.13		699		455		9.0		90.7	
AS07	W1472	82-0175	5/2	10:38	0.5		11.89		7.08		570		370		10.5		97.2	
AS07	W1472	82-0262	6/6	10:47	1.3		15.93		6.7		314		204		8.9		90	
AS07	W1472	82-0527	7/18	10:39	0.9		25.46		7.02		607.5		388.8		6.4	u	79.3	u
AS07	W1472	82-0640	8/22	11:25	0.4		20.35		7.12		587		382		9.1		100.7	
AS07	W1472	82-0909	9/26	9:54	0.2		15.28		7.22		587		381		10.1		100.9	
AS08	W1473	82-0176	5/2	10:57	0.5		12.05		7.11		643		418		10.3		95.9	
AS08	W1473	82-0263	6/6	11:06	1.3		16.03		6.69		346		225		8.4		84.8	
AS08	W1473	82-0322	6/2	9:00	0.4		20.17		--		--		--		6.4	i	71.4	i
AS08	W1473	82-0323	6/5	9:00	0.0	i	15.08		--		--		--		7.3		74	
AS08	W1473	82-0457	7/14	9:33	0.7		19.98		--		--		--		7.2	i	81.2	i

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS08	W1473	82-0458	7/17	9:22	0.6		22.67		--		--		--		6.5		76.7	
AS08	W1473	82-0528	7/18	11:00	0.7		24.4		6.98		650.4		416.3		6.7		81.1	
AS08	W1473	82-0641	8/22	11:54	0.0	i	20.6		7.13		646		420		8.6		96.1	
AS08	W1473	82-0757	8/18	9:41	0.5		20.5		--		--		--		6.5		72.6	
AS08	W1473	82-0758	8/21	8:53	0.2		21.05		--		--		--		6.0		68.5	
AS08	W1473	82-0839	9/15	9:49	0.1		17.13		--		--		--		7.9		82.9	
AS08	W1473	82-0840	9/18	9:11	0.6		17.52		--		--		--		7.1		75.8	
AS08	W1473	82-0910	9/26	10:11	0.2		15.73		7.22		645		419		9.1		91.7	
AS11	W1474	82-0177	5/2	11:26	1.2		11.73		7.06		548		356		7.7	u	71.5	u
AS11	W1474	82-0264	6/6	11:35	1.2		16.28		6.55		297		193		7.6		77.3	
AS11	W1474	82-0325	6/2	9:49	0.6		20.74		--		--		--		5.3	i	60.1	i
AS11	W1474	82-0326	6/5	9:33	0.5		14.98		--		--		--		6.8		69.2	
AS11	W1474	82-0460	7/14	10:01	1.0		20.76		--		--		--		6.7	i	76.4	i
AS11	W1474	82-0461	7/17	9:55	0.9		24.21		--		--		--		6.7		81.6	
AS11	W1474	82-0529	7/18	11:33	1.1		25.9		6.97		596.6		381.8		6.6		82.4	
AS11	W1474	82-0642	8/22	12:39	0.2		21.43		7.04		595		387		8.2		92.7	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS11	W1474	82-0760	8/18	10:15	1.1		22.13		--		--		--		8.2		94.8	
AS11	W1474	82-0761	8/21	9:20	0.5		21.99		--		--		--		5.4		63	
AS11	W1474	82-0842	9/15	10:20	0.8		16.47		--		--		--		7.6		79.1	
AS11	W1474	82-0843	9/18	9:41	0.5		18.88		--		--		--		9.1		99.5	
AS11	W1474	82-0911	9/26	10:38	0.6		15.96		7.06		649		422		8.1		82	
AS14	W1475	82-0198	5/2	8:56	0.4		12.63		6.84		525.8		336.5		9.3		88.2	
AS14	W1475	82-0265	6/6	9:26	0.2		15.64		6.34		276.4		176.9		8.4		85.5	
AS14	W1475	82-0328	6/2	10:28	0.3		21.48		--		--		--		7.0	i	80.8	i
AS14	W1475	82-0329	6/5	10:05	0.2		15.06		--		--		--		8.3		83.9	
AS14	W1475	82-0463	7/14	10:48	0.6		21.97		--		--		--		7.9	i	92.4	i
AS14	W1475	82-0464	7/17	10:33	0.4		25.39		--		--		--		8.0		99.2	
AS14	W1475	82-0530	7/18	9:06	0.1		25.92		6.89		515.1		329.6		6.2		78.2	
AS14	W1475	82-0643	8/22	9:18	0.8		20.96		6.99		627		407		7.3		82	
AS14	W1475	82-0763	8/18	10:48	0.4		22.29		--		--		--		7.4		85.7	
AS14	W1475	82-0764	8/21	9:46	0.1		22.6		--		--		--		7.1		84.4	
AS14	W1475	82-0845	9/15	10:57	0.3		16.85		--		--		--		9.1		95.6	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS14	W1475	82-0846	9/18	10:14	0.1		18.91		--		--		--		7.6		83.4	
AS14	W1475	82-0912	9/26	8:06	0.2		15.79		6.74		617.7		395.4		7.4		76.5	
AS15A	W1476	82-0199	5/2	9:30	0.6		12.88		7.08		551.8		353.1		9.4		90.2	
AS15A	W1476	82-0266	6/6	10:04	0.3		15.8		6.44		284.2		181.9		8.9		91.2	
AS15A	W1476	82-0331	6/2	11:01	0.3		21.58		--		--		--		7.3	i	84.4	i
AS15A	W1476	82-0332	6/5	10:31	0.4		15.18		--		--		--		8.7		88.7	
AS15A	W1476	82-0466	7/14	11:15	0.4		21.92		--		--		--		7.6	i	88.3	i
AS15A	W1476	82-0467	7/17	10:57	0.3		25.21		--		--		--		7.3		89.9	
AS15A	W1476	82-0531	7/18	9:31	0.3		26.76		7.07		573.9		367.3		6.7		84.6	
AS15A	W1476	82-0644	8/22	9:55	0.4		21.15		7.15		662		430		8.2		92.5	
AS15A	W1476	82-0766	8/18	11:06	0.5		23.49		--		--		--		8.2		96.9	
AS15A	W1476	82-0767	8/21	10:11	0.6		22.58		--		--		--		7.1		83.3	
AS15A	W1476	82-0848	9/15	11:22	0.4		17.34		--		--		--		9.0		94.6	
AS15A	W1476	82-0849	9/18	10:36	0.3		19.88		--		--		--		8.8		98.6	
AS15A	W1476	82-0913	9/26	8:27	0.5		16.63		7.15		674.3		431.5		9.2		96.4	
AS16	W1477	82-0200	5/2	9:57	0.4		12.9		7.05		529.7		339		8.5		81.6	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS16	W1477	82-0267	6/6	10:30	0.3		16.24		6.36		277.1		177.3		7.2		74.4	
AS16	W1477	82-0334	6/2	11:35	0.6		22.32		--		--		--		5.9	i	68.8	i
AS16	W1477	82-0335	6/5	11:02	0.4		15.68		--		--		--		7.3		74.7	
AS16	W1477	82-0469	7/14	11:40	0.7		22.57		--		--		--		6.8	i	79.8	i
AS16	W1477	82-0470	7/17	8:26	0.7		25.34		--		--		--		5.8		72.4	
AS16	W1477	82-0532	7/18	9:59	0.9		26.93		6.87		490		313.6		5.1		65.3	
AS16	W1477	82-0645	8/22	10:26	1.5		21.58		7.05		647		421		6.3		71.2	
AS16	W1477	82-0769	8/18	11:31	0.8		24.19		--		--		--		7.9		95.5	
AS16	W1477	82-0770	8/21	8:28	1.2		23.09		--		--		--		5.6		67.1	
AS16	W1477	82-0851	9/15	11:52	0.9		17.63		--		--		--		7.7		82.3	
AS16	W1477	82-0852	9/18	9:33	1.2		19.61		--		--		--		8.4		93.1	
AS16	W1477	82-0914	9/26	8:50	0.5		16.39		6.92		602.8		385.8		7.6		79.7	
AS16A	W1478	82-0201	5/2	10:28	0.6		14.09		7.15		464.7		297.4		9.1		89.9	
AS16A	W1478	82-0268	6/6	10:57	0.4		16.3		6.33		265.6		170		6.7		69.3	
AS16A	W1478	82-0311	5/1	11:55	--		15.05		--		--		--		10.6	i	105.1	i
AS16A	W1478	82-0312	5/3	9:36	--		12.08		--		--		--		9.3		88.1	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS16A	W1478	82-0337	6/2	12:06	0.8		23.12		--		--		--		5.2	i	61.9	i
AS16A	W1478	82-0338	6/5	8:39	0.9		15.24		--		--		--		6.7		68.1	
AS16A	W1478	82-0472	7/14	12:07	1.1		22.59		--		--		--		6.2	i	73	i
AS16A	W1478	82-0473	7/17	8:57	0.8		26.93		--		--		--		9.1		115.7	
AS16A	W1478	82-0533	7/18	10:30	0.9		28.78	u	8.04	u	485	u	310.4	u	##	u	##	u
AS16A	W1478	82-0646	8/22	11:20	0.6		22.96		7.26		746	c	485	c	7.8		91	
AS16A	W1478	82-0772	8/18	11:54	0.5		24.85		--		--		--		11.1		135.1	
AS16A	W1478	82-0773	8/21	8:57	1.1		24.22		--		--		--		8.3		100.7	
AS16A	W1478	82-0854	9/15	12:26	1.6		17.37		--		--		--		7.3	u	77.5	u
AS16A	W1478	82-0855	9/18	9:59	0.9		19.7		--		--		--		9.1	u	101.2	u
AS16A	W1478	82-0915	9/26	9:19	0.6		16.91		6.98		602.4		385.6		7.1		74.9	
AS20	W1479	82-0202	5/2	11:01	0.3		13.06		7.28		416.5		266.5		9.9		95.6	
AS20	W1479	82-0269	6/6	11:47	1.0		16.65		6.57		259		165.7		9.0		93.3	
AS20	W1479	82-0314	5/1	13:12	--		16.24		--		--		--		10.9	i	111.6	i
AS20	W1479	82-0315	5/3	10:15	--		12.18		--		--		--		10.2		96.4	
AS20	W1479	82-0340	6/2	13:04	0.3		23.1		--		--		--		7.0	i	83.7	i

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
AS20	W1479	82-0341	6/5	9:15	1.0		15.52		--		--		--		8.8		89.7	
AS20	W1479	82-0475	7/14	12:59	0.5		25.69		--		--		--		7.8	i	97	i
AS20	W1479	82-0476	7/17	9:29	0.4		26.29		--		--		--		7.3		91.7	
AS20	W1479	82-0534	7/18	10:58	0.5		28.2		7.33		429.8		275.1		6.6		85.7	
AS20	W1479	82-0647	8/22	11:56	0.5		23.93		7.67		670		436		8.9		106.3	
AS20	W1479	82-0775	8/18	12:39	0.3		24.54		--		--		--		9.0		108.8	
AS20	W1479	82-0776	8/21	9:27	0.2		23.8		--		--		--		7.7		92.5	
AS20	W1479	82-0857	9/15	13:21	0.1		19.61		--		--		--		9.5		105.1	
AS20	W1479	82-0858	9/18	10:28	0.5		19.95		--		--		--		8.7		96.9	
AS20	W1479	82-0916	9/26	9:46	0.4		16.86		7.29		604		386.6		8.7		91.6	
CO01	W1482	82-0205	5/2	12:35	1.0		12.95		7.14		415.4		265.9		9.0	u	85.9	u
CO01	W1482	82-0286	6/6	13:27	0.4		17.48		6.51		268.7		171.9		6.7		70.8	
CO01	W1482	82-0349	6/2	15:13	0.8		23.52		--		--		--		4.7	i	56.3	i
CO01	W1482	82-0350	6/5	11:14	0.5		16.25		--		--		--		7.1	u	73.8	u
CO01	W1482	82-0484	7/14	14:31	0.5		24.02		--		--		--		5.8	i	70.5	i
CO01	W1482	82-0485	7/17	11:01	0.6		26		--		--		--		5.3		66.2	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
CO01	W1482	82-0634	7/18	12:55	0.3		28.12		6.89		378		246		6.7		85.8	
CO01	W1482	82-0664	8/22	12:47	0.5		23.13		7.22		517.3		331		8.5		100.9	
CO01	W1482	82-0784	8/18	13:56	0.7		24.32		--		--		--		8.9		107.2	
CO01	W1482	82-0785	8/21	10:54	1.1		23.51		--		--		--		6.9		82.8	
CO01	W1482	82-0866	9/15	14:58	0.7		18.82		--		--		--		8.3		90.3	
CO01	W1482	82-0867	9/18	12:03	0.6		20.39		--		--		--		7.8		88	
CO01	W1482	82-0933	9/26	11:38	0.6		16.71		7.08		481.7		308.5		7.9		83.2	
CO02	W1483	82-0228	5/2	12:57	1.0		13.3		7.11		408.1		261.2		9.6		92.5	
CO02	W1483	82-0285	6/6	12:55	1.2		17.6		6.48		263		168.3		6.1		64.5	
CO02	W1483	82-0373	6/5	12:01	1.8		16.85		--		--		--		6.5		68.9	
CO02	W1483	82-0374	6/7	11:17	0.7		17.9		--		--		--		6.5		70.1	
CO02	W1483	82-0505	7/17	11:46	0.9		27.42	u	--		--		--		7.5	u	96.4	u
CO02	W1483	82-0506	7/19	10:50	0.8		27.93		--		--		--		5.8		74.6	
CO02	W1483	82-0550	7/18	12:22	0.4		30.15		7.23		368		239		10.0		132.2	
CO02	W1483	82-0663	8/22	12:21	0.8		23.78		7.35		478.2		306		9.1		109	
CO02	W1483	82-0805	8/21	11:28	1.2		24.31		--		--		--		8.4	u	102.5	u

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
CO02	W1483	82-0808	8/23	11:00	1.7		23.12		--		--		--		8.0		95.2	
CO02	W1483	82-0902	9/18	16:21	0.8		22.54		--		--		--		10.3		121.3	
CO02	W1483	82-0903	9/20	11:55	2.1		21.37		--		--		--		8.2		94.8	
CO02	W1483	82-0932	9/26	11:10	0.7		17.95		7.15		480.8		307.7		8.6		92.7	
CO04	W1485	82-0227	5/2	12:22	0.9		13.61		7.09		403.7		258.4		9.6		93.8	
CO04	W1485	82-0284	6/6	12:18	1.6		17.29		6.43		261.6		167.4		6.3		66.8	
CO04	W1485	82-0376	6/5	13:11	1.0		17.03		--		--		--		6.2		65.3	
CO04	W1485	82-0377	6/7	10:43	0.4		17.73		--		--		--		6.4		68	
CO04	W1485	82-0508	7/17	12:52	0.8		26.99		--		--		--		7.5		95.2	
CO04	W1485	82-0509	7/19	10:16	0.9		27.98		--		--		--		7.3		93.9	
CO04	W1485	82-0549	7/18	11:48	0.4		28.09		7		366		238		9.0	u	115.8	u
CO04	W1485	82-0662	8/22	11:34	0.7		24.26		7.29		464.5		297.4		9.0		108.7	
CO04	W1485	82-0806	8/21	12:07	1.1		23.93		--		--		--		7.8		94.1	
CO04	W1485	82-0809	8/23	10:20	0.7		24.15		--		--		--		8.9		107.7	
CO04	W1485	82-0899	9/18	15:50	0.5		22.51		--		--		--		12.4		145.9	
CO04	W1485	82-0900	9/20	11:21	1.0		21.29		--		--		--		9.6		111.2	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
CO04	W1485	82-0931	9/26	10:24	0.6		17.78		7.23		480.3		307.4		9.5		102.1	
CO05	W1486	82-0226	5/2	11:04	0.4		13.42		6.99		408.3		261.3		9.4		90.7	
CO05	W1486	82-0283	6/6	11:09	0.2		17.29		6.4		268.1		171.6		6.3		67	
CO05	W1486	82-0379	6/5	13:53	0.9		17.35		--		--		--		6.1		64.5	
CO05	W1486	82-0380	6/7	10:15	0.5		17.69		--		--		--		6.4		68.1	
CO05	W1486	82-0511	7/17	13:19	0.6		27.55		--		--		--		8.0		103.2	
CO05	W1486	82-0512	7/19	9:49	0.4		28.14		--		--		--		8.1		105.5	
CO05	W1486	82-0548	7/18	10:30	0.2		28.18		6.98		367		239		8.6		110.5	
CO05	W1486	82-0660	8/22	10:31	0.5		23.69		7.15		462.8		296.2		8.3		99.1	
CO05	W1486	82-0811	8/21	13:22	0.3		23.95		--		--		--		8.0		97.4	
CO05	W1486	82-0812	8/23	9:50	0.4		24.24		--		--		--		8.9		107.6	
CO05	W1486	82-0893	9/18	14:56	0.6		21.57		--		--		--		12.3		141.7	
CO05	W1486	82-0894	9/20	10:51	0.4		21.43		--		--		--		9.4		109.6	
CO05	W1486	82-0929	9/26	9:33	0.4		17.89		7.18		478		305.9		9.7		104.3	
CO08	W1487	82-0223	5/2	9:35	0.4		13.58		6.92		433.3		277.3		10.2		99.6	
CO08	W1487	82-0280	6/6	9:44	0.5		16.97		6.59		289.8		185.8		8.7		91.5	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
CO08	W1487	82-0520	7/17	15:37	0.5		28.08		--		--		--		8.7		113.7	
CO08	W1487	82-0521	7/19	8:22	0.3		27.79		--		--		--		7.6		97.2	
CO08	W1487	82-0545	7/18	9:20	0.2		27.4		7.12		393		256		7.7		97.7	
CO08	W1487	82-0658	8/22	9:16	0.2		23.17		7.11		479.8		307		8.5		100.9	
CO08	W1487	82-0820	8/21	14:54	0.9		24.05		--		--		--		8.0		97.2	
CO08	W1487	82-0821	8/23	8:26	0.5		23.58		--		--		--		8.3		99.6	
CO08	W1487	82-0887	9/18	13:48	0.3		20.96		--		--		--		10.4		118.7	
CO08	W1487	82-0888	9/20	9:22	0.3		21.12		--		--		--		9.2		106.1	
CO08	W1487	82-0927	9/26	8:39	0.1		18.15		7.24		497.2		318.2		9.6		104.4	
RM01	W1488	82-0224	5/2	11:38	0.3		13.26		7.1		268.1		171.6		9.8		94.4	
RM01	W1488	82-0281	6/6	11:42	0.9		17.19		6.5		187.7		120.2		9.0		94.6	
RM01	W1488	82-0382	6/5	14:43	0.8		16.62		--		--		--		8.9		93	
RM01	W1488	82-0383	6/7	9:50	0.7		17.63		--		--		--		8.9		95.1	
RM01	W1488	82-0514	7/17	14:14	0.6		30.21		--		--		--		6.7		89.9	
RM01	W1488	82-0515	7/19	9:21	0.6		25.94		--		--		--		7.0		87.2	
RM01	W1488	82-0547	7/18	11:11	0.1		29.1		6.98		184		119		7.4		96.5	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
RM01	W1488	82-0661	8/22	11:03	0.5		22.24		7.11		264.8		169.5		8.3		96.4	
RM01	W1488	82-0814	8/21	13:52	0.6		23.45		--		--		--		8.1		96.8	
RM01	W1488	82-0815	8/23	9:22	0.6		23.3		--		--		--		8.0		95.2	
RM01	W1488	82-0896	9/18	15:20	0.6		20.71		--		--		--		6.3		71.2	
RM01	W1488	82-0897	9/20	10:18	0.7		21.79		--		--		--		7.3		84.9	
RM01	W1488	82-0930	9/26	9:57	0.4		16.61		6.93		231.7		148.3		8.3		86.5	
RM10	W1489	82-0225	5/2	10:19	0.4		11.29		6.84		728.7	c	466.4	c	10.0		92.5	
RM10	W1489	82-0282	6/6	10:17	0.9		15.58		6.53		383.6		245.5		8.9		91.1	
RM10	W1489	82-0385	6/5	15:44	0.1		16		--		--		--		8.9		92.1	
RM10	W1489	82-0386	6/7	9:16	0.1		16.61		--		--		--		9.1		95.2	
RM10	W1489	82-0517	7/17	15:04	0.3		24.71		--		--		--		7.8		95.4	
RM10	W1489	82-0518	7/19	8:45	0.4		24.55		--		--		--		7.3		88.7	
RM10	W1489	82-0546	7/18	9:49	0.1		24.74		7.06		651		423		8.1		97.2	
RM10	W1489	82-0659	8/22	9:43	0.1		19.14		6.98		819.8	c	524.7	c	8.5		93.5	
RM10	W1489	82-0817	8/21	14:24	0.3		20.22		--		--		--		8.3		94	
RM10	W1489	82-0818	8/23	8:49	0.1		20.17		--		--		--		8.0		89.9	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
RM10	W1489	82-0890	9/18	14:15	0.3		19.46		--		--		--		8.5		94.5	
RM10	W1489	82-0891	9/20	9:45	0.4		19.03		--		--		--		7.8		86.3	
RM10	W1489	82-0928	9/26	9:02	0.2		15.06		7.01		873.2	c	558.8	c	8.8		89.4	
SU01	W0832	82-0249	5/2	9:03	0.4		11.39		6.24		510		332		7.0		64.6	
SU01	W0832	82-0272	6/6	9:13	0.4		15.88		6.21		313		204		3.3		33.6	
SU01	W0832	82-0370	6/5	16:07	0.5		16.65		--		--		--		4.3		45	
SU01	W0832	82-0371	6/7	15:16	0.5		15.46		--		--		--		4.6		46.3	
SU01	W0832	82-0502	7/17	15:02	0.1		25.69		--		--		--		3.0		36.8	
SU01	W0832	82-0503	7/19	14:47	0.1		25.89		--		--		--		3.2		39.2	
SU01	W0832	82-0537	7/18	8:47	0.2		25.26		6.44		372		242		2.0		24.1	
SU01	W0832	82-0650	8/22	8:43	0.3		19.73		6.22		531.6		340.2		4.2		46.7	
SU01	W0832	82-0802	8/21	14:15	0.3		21.27		--		--		--		3.4		39.7	
SU01	W0832	82-0803	8/23	14:38	0.3		21.93		--		--		--		3.7		43.5	
SU01	W0832	82-0884	9/18	14:35	0.0	i	18.73		--		--		--		5.5		59.7	
SU01	W0832	82-0885	9/20	15:47	0.2		19.37		--		--		--		4.6		51.4	
SU01	W0832	82-0919	9/26	8:36	0.1		14.4		6.57		565		368		6.4		62.7	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
SU04A	W0838	82-0250	5/2	9:48	0.4		12.51		6.8		520		338		10.2		96.1	
SU04A	W0838	82-0273	6/6	9:56	0.3		16.08		6.76		325		212		9.9		100.3	
SU04A	W0838	82-0367	6/5	15:28	0.7		17.15		--		--		--		9.0		95.1	
SU04A	W0838	82-0368	6/7	14:35	0.2		15.47		--		--		--		9.3		94.6	
SU04A	W0838	82-0499	7/17	14:20	1.9		28.15		--		--		--		6.9		89.2	
SU04A	W0838	82-0500	7/19	14:13	0.6		26.67		--		--		--		6.9		86.6	
SU04A	W0838	82-0538	7/18	9:25	0.4		25.11		6.96		401		261		7.2		87.7	
SU04A	W0838	82-0651	8/22	9:24	2.3		20.76		6.7		415.6		266		7.4		83.8	
SU04A	W0838	82-0799	8/21	13:42	0.7		22.8		--		--		--		7.2		85.5	
SU04A	W0838	82-0800	8/23	14:09	0.5		23.59		--		--		--		7.5		89.6	
SU04A	W0838	82-0881	9/18	13:56	0.3		20.52		--		--		--		8.3		93.7	
SU04A	W0838	82-0882	9/20	15:16	1.8		20.9		--		--		--		7.7		88.9	
SU04A	W0838	82-0920	9/26	9:10	1.0		15.44		6.91		504		327		8.8		88.4	
SU07	W0696	82-0251	5/2	10:28	0.5		12.09		7.12		582		378		10.4		96.9	
SU07	W0696	82-0274	6/6	10:38	0.5		17.44		7.07		364		237		10.0		104.2	
SU07	W0696	82-0364	6/5	14:38	0.7		18.29		--		--		--		9.1		99.2	

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SU07	W0696	82-0365	6/7	13:49	0.8		16.97		--		--		--		9.4		98.8	
SU07	W0696	82-0496	7/17	13:39	0.2		28.69		--		--		--		7.4		96.5	
SU07	W0696	82-0497	7/19	13:28	0.1		28.26		--		--		--		7.3		95.2	
SU07	W0696	82-0539	7/18	10:11	0.3		26.99		7.23		434		282		7.0		87.5	
SU07	W0696	82-0652	8/22	9:59	0.3		21.93		7.09		411.7		263.5		7.4		85.7	
SU07	W0696	82-0796	8/21	12:57	0.1		23.32		--		--		--		8.0		95.6	
SU07	W0696	82-0797	8/23	13:27	0.2		24.07		--		--		--		8.2		99.3	
SU07	W0696	82-0878	9/18	13:15	0.2		21.06		--		--		--		9.1		104.1	
SU07	W0696	82-0879	9/20	14:33	0.3		21.45		--		--		--		8.6		100.6	
SU07	W0696	82-0921	9/26	9:45	0.1		16.61		7.27		465		302		8.8		90	
SU08	W1480	82-0252	5/2	10:55	0.4		12.36		7.18		483		314		10.4		97.4	
SU08	W1480	82-0275	6/6	11:20	0.6		17.86		6.95		377		245		9.0	u	95	u
SU08	W1480	82-0540	7/18	10:34	0.6		26.82		7.14		418		271		6.9		86.1	
SU08	W1480	82-0653	8/22	10:25	0.5		21.51		6.97		390.9		250.2		7.4		84.9	
SU08	W1480	82-0922	9/26	10:09	0.3		16.12		7.21		464		302		6.7	u	68.5	u
SU09	W0850	82-0253	5/2	11:38	0.3		12.58		7.14		489		318		9.6		90	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
SU09	W0850	82-0276	6/6	12:06	0.7		18.35		6.73		372		242		6.9		73.3	
SU09	W0850	82-0358	6/5	13:25	1.2		17.75		--		--		--		6.8		72.6	
SU09	W0850	82-0359	6/7	12:55	0.4		17.98		--		--		--		6.8		73.4	
SU09	W0850	82-0490	7/17	12:41	0.5		26.53		--		--		--		5.2		65.3	
SU09	W0850	82-0491	7/19	12:35	0.4		27.5		--		--		--		4.9		62.7	
SU09	W0850	82-0542	7/18	11:32	0.4		27.82		6.8		396		257		4.6		58	
SU09	W0850	82-0655	8/22	11:09	0.5		21.68		6.94		397.2		254.2		5.6		65.1	
SU09	W0850	82-0790	8/21	11:39	0.6		22.47		--		--		--		5.3		63.7	
SU09	W0850	82-0791	8/23	12:36	0.9		22.93		--		--		--		5.3		62.5	
SU09	W0850	82-0872	9/18	12:21	0.4		20.58		--		--		--		7.2		81.3	
SU09	W0850	82-0873	9/20	13:42	0.9		21		--		--		--		6.1		70.5	
SU09	W0850	82-0924	9/26	10:45	0.3		16.18		7.26		452		294		8.6		88	
SU12	W0847	82-0254	5/2	12:08	0.6		12.39		7.09		453		294		9.5		89.3	
SU12	W0847	82-0277	6/6	12:41	1.2		19.04		6.63		335		218		5.6		60.7	
SU12	W0847	82-0543	7/18	12:01	0.6		28.54		6.77		389		253		1.6		21	
SU12	W0847	82-0656	8/22	11:34	1.0		22.33		6.66		390.5		249.9		1.2		14.4	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
SU12	W0847	82-0925	9/26	11:04	0.8		##	u, m	##	u, m, i	##	u, m, i	##	u, m, i	##	u, m, i	##	u, m, i
SU14	W1481	82-0256	5/2	12:36	0.4		13.43		7.17		420		273		10.0		96.1	
SU14	W1481	82-0279	6/6	13:12	0.8		18.8		6.63		331		215		4.7		50.8	
SU14	W1481	82-0355	6/5	12:08	1.1		18.26		--		--		--		3.8		41	
SU14	W1481	82-0356	6/7	12:01	0.8		19.04		--		--		--		5.3		58.4	
SU14	W1481	82-0487	7/17	12:01	2.6		25.7	u	--		--		--		2.2	u	27.3	u
SU14	W1481	82-0488	7/19	11:54	0.9		28.83		--		--		--		6.2		81.4	
SU14	W1481	82-0544	7/18	12:31	0.5		29.05		6.95		364		237		8.1		105	
SU14	W1481	82-0657	8/22	12:09	2.7		23.4		6.93		399		255.4		6.4	u	76.7	u
SU14	W1481	82-0787	8/21	11:00	0.5		24.51		--		--		--		7.5	u	91.5	u
SU14	W1481	82-0788	8/23	11:55	0.7		24.69	u	--		--		--		8.9	u	108.7	u
SU14	W1481	82-0869	9/18	11:31	0.5		20.96		--		--		--		8.7		99.3	
SU14	W1481	82-0870	9/20	13:04	0.4		22.77		--		--		--		9.0		107.1	
SU14	W1481	82-0926	9/26	11:37	0.2		17.82		7.17		406		264		8.1		85.7	
SU15	W0844	82-0204	5/2	12:12	1.0		13.51		7.17		419.1		268.2		9.4		91.6	
SU15	W0844	82-0271	6/6	13:04	0.4		18.68	u	6.49		331.3		212		3.9	u	42.1	u

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
SU15	W0844	82-0317	5/1	14:45	--		15.39		--		--		--		10.4	i	103.9	i
SU15	W0844	82-0318	5/3	10:44	--		12.34		--		--		--		9.2		87.2	
SU15	W0844	82-0346	6/2	14:34	0.0	i	24.06		--		--		--		4.1	i	49.2	i
SU15	W0844	82-0347	6/5	10:36	0.7		18.45		--		--		--		3.6		39.3	
SU15	W0844	82-0481	7/14	14:13	1.2		25		--		--		--		3.6	i	44.3	i
SU15	W0844	82-0482	7/17	10:29	0.3		26.37		--		--		--		4.2		53.4	
SU15	W0844	82-0536	7/18	12:00	1.0		28.12		6.65		361.6		231.4		5.4		70	
SU15	W0844	82-0649	8/22	13:04	0.6		23.95		7.24		408		265		8.2		97.7	
SU15	W0844	82-0781	8/18	13:32	0.9		24.54		--		--		--		9.4		114.1	
SU15	W0844	82-0782	8/21	10:28	0.8		24.13		--		--		--		7.3		88.3	
SU15	W0844	82-0863	9/15	14:29	0.5		19.04		--		--		--		7.3		79.4	
SU15	W0844	82-0864	9/18	11:30	0.7		20.19		--		--		--		8.0		89.9	
SU15	W0844	82-0918	9/26	10:52	0.5		17.36		7.04		402.7		257.8		7.4		78.9	
WB01	W0849	82-0255	5/2	11:16	0.3		10.93		7.02		404		263		9.1		82.2	
WB01	W0849	82-0278	6/6	11:42	0.4		17.58		6.84		349		227		6.7		70.5	
WB01	W0849	82-0361	6/5	13:52	0.6		17.58		--		--		--		6.1		65.3	

Station ID	Unique ID	OWMID	Date	Time	Sample Depth (m)	Depth Qualifiers	Temperature (deg. C)	Temperature Qualifiers	pH (SU)	pH Qualifiers	Specific Conductivity (µS/cm)	Specific Conductivity Qualifiers	Total Dissolved Solids (mg/l)	Total Dissolved Solids Qualifiers	Dissolved Oxygen (mg/l)	Dissolved Oxygen Qualifiers	Dissolved Oxygen Saturation (%)	Dissolved Oxygen Saturation Qualifiers
WB01	W0849	82-0362	6/7	13:23	0.6		16.22		--		--		--		4.9		50.8	
WB01	W0849	82-0493	7/17	13:09	0.9		26		--		--		--		3.3		41.3	
WB01	W0849	82-0494	7/19	13:01	0.5		26		--		--		--		3.0		37	
WB01	W0849	82-0541	7/18	10:58	0.9		25.82		6.84		441		286		2.3		27.6	
WB01	W0849	82-0654	8/22	10:45	1.0		20.14		7.39		432.6		276.9		<0.2		<2	
WB01	W0849	82-0793	8/21	12:37	0.6		21.47		--		--		--		3.4		39.5	
WB01	W0849	82-0794	8/23	12:58	0.5		22.12		--		--		--		4.6		53.3	
WB01	W0849	82-0875	9/18	12:48	0.3		18.85		--		--		--		6.6		72.1	
WB01	W0849	82-0876	9/20	14:05	0.7		19.43		--		--		--		5.2		57.8	
WB01	W0849	82-0923	9/26	10:26	0.7		13.74		7.07		461		300		6.7		65.1	

Table 10. 2006 MassDEP DWM Concord River Watershed summary of unattended probes dissolved oxygen data .

Station ID	Unique ID	OWMID	Start Date	Hours Monitored	Avg (mg/L)	Min (mg/L)	Amount of Time < 3.0 mg/L (Hours)	Amount of Time < 4.0 mg/L (Hours)	Amount of Time < 5.0 mg/L (Hours)	Amount of Time < 6.0 mg/L (Hours)	Saturation: Avg (%)	Saturation: Min (%)	Saturation: Max (%)*
AS01	W0843	82-0342	6/2	68.0	7.69	6.74	0	0	0	0	83	76.9	96.2
AS01	W0843	82-0477	7/14	68.3	6.89	6.40	0	0	0	0	85	78.6	93.1
AS01	W0843	82-0777	8/18	68.5	7.80	5.90	0	0	0	2	93	69.6	140.7
AS01	W0843	82-0859	9/15	68.8	8.57	6.93	0	0	0	0	94	75.4	128.1
AS04	W0695	82-0309	6/2	71.3	6.53	5.22	0	0	0	13	68	52.8	79.5
AS04	W0695	82-0450	7/14	71.3	6.62	5.28	0	0	0	24	79	61.7	102.7
AS04	W0695	82-0750	8/18	71.0	6.64	5.54	0	0	0	24	76	62	95.5
AS04	W0695	82-0832	9/15	71.3	6.86	5.45	0	0	0	18	75	58.6	95.4
AS06	W1471	82-0453	7/14	71.5	7.31	6.72	0	0	0	0	87	80.5	93.4
AS06	W1471	82-0753	8/18	59.8	7.89	6.60	0	0	0	0	90	75.5	104
AS06	W1471	82-0835	9/15	71.0	8.30	7.25	0	0	0	0	89	78.8	104.5
AS08	W1473	82-0321	6/2	71.8	7.35	6.80	0	0	0	0	77	71	84.4
AS08	W1473	82-0456	7/14	71.5	6.87	5.39	0	0	0	21	81	63.2	102.7
AS08	W1473	82-0756	8/18	71.0	6.89	4.79	0	0	2	30	79	54.6	117
AS08	W1473	82-0838	9/15	71.0	8.00	5.89	0	0	0	2	87	62.3	121.8
AS11	W1474	82-0324	6/2	71.5	6.60	5.64	0	0	0	3	69	59.7	79.4
AS11	W1474	82-0459	7/14	71.8	7.20	5.61	0	0	0	7	86	66	106.7
AS11	W1474	82-0759	8/18	71.0	8.92	5.04	0	0	0	5	104	57.8	136.3
AS11	W1474	82-0841	9/15	71.0	9.48	7.80	0	0	0	0	103	80.7	126.8
AS14	W1475	82-0327	6/2	71.5	7.93	7.20	0	0	0	0	83	79	92.9
AS14	W1475	82-0462	7/14	71.5	7.74	5.94	0	0	0	4	94	72.5	126.3
AS14	W1475	82-0762	8/18	70.8	8.33	4.75	0	0	6	17	99	54.7	162.8
AS14	W1475	82-0844	9/15	71.0	9.10	5.85	0	0	0	4	99	63.8	146.7
AS15A	W1476	82-0330	6/2	71.3	8.34	7.82	0	0	0	0	88	84.7	92.7
AS15A	W1476	82-0465	7/14	71.5	7.61	7.05	0	0	0	0	93	86.4	97.7
AS15A	W1476	82-0765	8/18	70.8	7.84	6.66	0	0	0	0	93	77.6	104
AS15A	W1476	82-0847	9/15	71.0	8.59	8.02	0	0	0	0	93	88.2	99.6
AS16	W1477	82-0333	6/2	71.0	6.89	6.28	0	0	0	0	74	65.5	84.3
AS16	W1477	82-0468	7/14	68.5	7.77	5.84	0	0	0	4	96	70.6	122.8
AS16	W1477	82-0768	8/18	68.8	8.05	5.36	0	0	0	2	97	63.1	109
AS16	W1477	82-0850	9/15	69.3	8.05	7.43	0	0	0	0	88	79.3	98.6
AS16A	W1478	82-0316	5/1	45.5	10.17	9.25	0	0	0	0	99	86	117.4
AS16A	W1478	82-0336	6/2	68.3	6.10	4.97	0	0	1	28	66	56.7	74.5
AS16A	W1478	82-0471	7/14	68.5	7.72	6.37	0	0	0	0	96	76.9	125.5
AS16A	W1478	82-0771	8/18	68.8	11.30	7.58	0	0	0	0	138	90.9	174.6

Station ID	Unique ID	OWMID	Start Date	Hours Monitored	Avg (mg/L)	Min (mg/L)	Amount of Time < 3.0 mg/L (Hours)	Amount of Time < 4.0 mg/L (Hours)	Amount of Time < 5.0 mg/L (Hours)	Amount of Time < 6.0 mg/L (Hours)	Saturation: Avg (%)	Saturation: Min (%)	Saturation: Max (%)*
AS16A	W1478	82-0853	9/15	69.3	8.71	7.68	0	0	0	0	94	82.8	111.6
AS20	W1479	82-0313	5/1	44.5	9.89	9.13	0	0	0	0	95	88.5	116.6
AS20	W1479	82-0339	6/2	68.0	8.24	7.44	0	0	0	0	89	85.7	93.1
AS20	W1479	82-0474	7/14	68.3	7.62	6.90	0	0	0	0	95	86.1	110.7
AS20	W1479	82-0774	8/18	68.5	7.71	6.58	0	0	0	0	93	78	123.8
AS20	W1479	82-0856	9/15	69.0	8.22	7.10	0	0	0	0	91	79.5	110.6
CO01	W1482	82-0348	6/2	67.8	6.15	4.84	0	0	15	28	67	56.2	75.9
CO01	W1482	82-0483	7/14	68.3	5.77	4.90	0	0	4	43	72	60.9	85.6
CO01	W1482	82-0783	8/18	68.5	8.31	6.03	0	0	0	0	100	71.5	125.2
CO01	W1482	82-0865	9/15	68.8	7.99	6.82	0	0	0	0	88	74.3	101
CO02	W1483	82-0372	6/5	47.0	6.36	6.07	0	0	0	0	68	64.9	71.1
CO02	W1483	82-0504	7/17	0.0	--	--	--	--	--	--	--	--	--
CO02	W1483	82-0804	8/21	47.3	8.13	6.75	0	0	0	0	97	80	125.6
CO02	W1483	82-0895	9/18	43.5	9.32	8.29	0	0	0	0	107	94.7	121.1
CO04	W1485	82-0378	6/5	45.3	6.14	5.87	0	0	0	9	65	63.1	66.3
CO04	W1485	82-0507	7/17	45.0	8.63	7.32	0	0	0	0	112	94.3	137.6
CO04	W1485	82-0807	8/21	45.5	8.99	7.39	0	0	0	0	108	87.4	127.6
CO04	W1485	82-0886	9/18	0.0	--	--	--	--	--	--	--	--	--
CO05	W1486	82-0384	6/5	44.3	5.68	5.45	0	0	0	44	60	57.9	62.6
CO05	W1486	82-0510	7/17	44.5	9.09	7.68	0	0	0	0	119	99	146.3
CO05	W1486	82-0810	8/21	44.5	8.48	7.49	0	0	0	0	102	88.1	116.9
CO05	W1486	82-0889	9/18	43.5	11.33	9.03	0	0	0	0	131	102.9	150.8
CO08	W1487	82-0519	7/17	40.8	8.06	7.43	0	0	0	0	105	95.2	115.7
CO08	W1487	82-0819	8/21	41.5	7.88	7.53	0	0	0	0	94	88.7	104.4
CO08	W1487	82-0898	9/18	43.3	8.68	7.72	0	0	0	0	99	87.7	110.3
RM01	W1488	82-0381	6/5	42.8	8.75	8.38	0	0	0	0	93	92.1	94.2
RM01	W1488	82-0513	7/17	43.0	7.00	6.56	0	0	0	0	91	86.9	94.1
RM01	W1488	82-0813	8/21	43.5	7.77	7.43	0	0	0	0	92	85.7	97.1
RM01	W1488	82-0892	9/18	42.8	5.49	3.80	0	2	18	26	63	43.7	84.6
RM10	W1489	82-0375	6/5	41.3	8.79	8.49	0	0	0	0	92	89.9	94.8
RM10	W1489	82-0516	7/17	41.5	7.08	6.89	0	0	0	0	88	86.2	91.1
RM10	W1489	82-0816	8/21	42.3	7.91	7.71	0	0	0	0	88	86.1	92.4
RM10	W1489	82-0901	9/18	43.3	7.77	7.37	0	0	0	0	85	81.1	91.8
SU01	W0832	82-0369	6/5	46.8	3.29	2.47	17	43	47	47	34	26	44.5
SU01	W0832	82-0501	7/17	47.8	2.32	1.57	40	48	48	48	29	19.3	41.1
SU01	W0832	82-0801	8/21	48.3	3.87	3.39	0	37	48	48	44	38	51.1
SU01	W0832	82-0883	9/18	48.8	4.73	3.86	0	1	33	49	51	41.5	59.2

Station ID	Unique ID	OWMID	Start Date	Hours Monitored	Avg (mg/L)	Min (mg/L)	Amount of Time < 3.0 mg/L (Hours)	Amount of Time < 4.0 mg/L (Hours)	Amount of Time < 5.0 mg/L (Hours)	Amount of Time < 6.0 mg/L (Hours)	Saturation: Avg (%)	Saturation: Min (%)	Saturation: Max (%)*
SU04A	W0838	82-0366	6/5	46.8	8.85	8.65	0	0	0	0	93	90.4	95.1
SU04A	W0838	82-0498	7/17	47.5	6.60	6.28	0	0	0	0	84	81.4	88.7
SU04A	W0838	82-0798	8/21	48.3	7.30	6.86	0	0	0	0	85	82.2	89.3
SU04A	W0838	82-0880	9/18	49.0	7.56	7.05	0	0	0	0	85	79.7	93.9
SU07	W0696	82-0363	6/5	47.0	8.81	8.66	0	0	0	0	95	93.1	96.5
SU07	W0696	82-0495	7/17	47.5	6.54	5.94	0	0	0	2	85	77.9	94.7
SU07	W0696	82-0795	8/21	48.3	7.32	6.57	0	0	0	0	86	77.8	98.7
SU07	W0696	82-0877	9/18	49.0	7.55	6.57	0	0	0	0	86	75.3	103.6
SU09	W0850	82-0357	6/5	47.3	7.24	6.19	0	0	0	0	79	66.5	93
SU09	W0850	82-0489	7/17	0.0	--	--	--	--	--	--	--	--	--
SU09	W0850	82-0789	8/21	0.0	--	--	--	--	--	--	--	--	--
SU09	W0850	82-0871	9/18	31.5	7.74	6.87	0	0	0	0	89	76.3	102.5
SU14	W1481	82-0354	6/5	47.5	4.32	3.45	0	19	39	48	47	36.8	58.4
SU14	W1481	82-0486	7/17	23.5	2.61	1.82	20	24	24	24	33	22.8	48
SU14	W1481	82-0786	8/21	48.5	8.15	5.96	0	0	0	1	98	70.3	136.5
SU14	W1481	82-0868	9/18	49.3	8.66	7.51	0	0	0	0	101	86.1	119.5
SU15	W0844	82-0310	5/1	43.5	10.10	9.40	0	0	0	0	97	87.6	111.8
SU15	W0844	82-0345	6/2	67.8	3.85	3.49	0	53	68	68	44	37.9	51.6
SU15	W0844	82-0480	7/14	68.0	4.50	3.33	0	22	52	63	56	40.8	87.2
SU15	W0844	82-0780	8/18	68.8	8.76	6.69	0	0	0	0	107	80.1	131
SU15	W0844	82-0862	9/15	54.8	7.24	6.40	0	0	0	0	80	69	93.9
WB01	W0849	82-0360	6/5	47.3	4.36	2.77	6	25	33	39	47	29.9	74.2
WB01	W0849	82-0492	7/17	47.8	1.50	0.52	44	48	48	48	19	6.6	46.5
WB01	W0849	82-0792	8/21	47.8	4.48	2.95	1	18	35	43	51	33.2	76.9
WB01	W0849	82-0874	9/18	49.0	4.48	2.88	2	25	34	39	50	31.6	81.8

*Note: The maximum percent saturation was well above 100% for many deployments and many stations. These data should be further reviewed for representativeness prior to future use. It is possible that some data may be censored for some uses. Dissolved oxygen supersaturation has been documented at many sites within this watershed in the past and those data confirm very high saturation levels. See tables 5-2 and 5-7 in ENSR 2001.

Table 11. 2006 MassDEP DWM Concord River Watershed summary of unattended water temperature probe data.

Station ID	Unique ID	OWMID	Start Date	Hours Monitored	Avg (deg. C)	Max (deg. C)	Mean of the Daily Max (deg. C)	Amount of Time > 20 deg. C (Hours)	Amount of Time > 28.3 deg. C (Hours)	Percentage of Time >20 deg. C (%)	Percentage of Time >28.3 deg. C (%)
AS01	W0843	82-0342	6/2	68.0	18.2	22.7	19.5	20.3	0.0	29.8%	0.0%
AS01	W0843	82-0477	7/14	68.3	25.1	27.4	26.5	68.3	0.0	100%	0.0%
AS01	W0843	82-0777	8/18	68.5	23.5	25.2	24.9	68.5	0.0	100%	0.0%
AS01	W0843	82-0859	9/15	68.8	19.3	21.5	21.2	21.7	0.0	32%	0.0%
AS04	W0695	82-0309	6/2	71.3	16.6	20.4	17.1	5.8	0.0	8%	0.0%
AS04	W0695	82-0450	7/14	71.3	23.1	25.7	24.9	71.1	0.0	100%	0.0%
AS04	W0695	82-0750	8/18	71.0	21.9	23.4	23.2	71.0	0.0	100%	0.0%
AS04	W0695	82-0832	9/15	71.3	19.0	21.0	21.0	13.3	0.0	19%	0.0%
AS06	W1471	82-0453	7/14	71.5	23.3	25.4	24.7	71.5	0.0	100%	0.0%
AS06	W1471	82-0753	8/18	59.8	21.7	22.8	21.8	59.8	0.0	100%	0.0%
AS06	W1471	82-0835	9/15	71.0	18.2	19.4	18.9	0.0	0.0	0%	0.0%
AS08	W1473	82-0321	6/2	71.8	16.6	20.2	17.2	3.8	0.0	5%	0.0%
AS08	W1473	82-0456	7/14	71.5	22.7	25.1	24.3	71.5	0.0	100%	0.0%
AS08	W1473	82-0756	8/18	71.0	22.0	23.6	23.4	71.0	0.0	100%	0.0%
AS08	W1473	82-0838	9/15	71.0	18.7	21.2	20.9	13.4	0.0	19%	0.0%
AS11	W1474	82-0324	6/2	71.5	16.7	20.7	17.3	10.0	0.0	14%	0.0%
AS11	W1474	82-0459	7/14	71.8	23.6	25.5	24.8	71.8	0.0	100%	0.0%
AS11	W1474	82-0759	8/18	71.0	22.6	23.6	23.3	71.0	0.0	100%	0.0%
AS11	W1474	82-0841	9/15	71.0	18.7	20.7	20.4	7.6	0.0	11%	0.0%
AS14	W1475	82-0327	6/2	71.5	17.0	21.5	17.8	13.3	0.0	19%	0.0%
AS14	W1475	82-0462	7/14	71.5	24.4	26.6	25.8	71.5	0.0	100%	0.0%
AS14	W1475	82-0762	8/18	70.8	23.4	24.9	24.8	70.7	0.0	100%	0.0%
AS14	W1475	82-0844	9/15	71.0	18.7	21.6	21.1	16.2	0.0	23%	0.0%
AS15A	W1476	82-0330	6/2	71.3	17.3	21.6	18.2	15.6	0.0	22%	0.0%
AS15A	W1476	82-0465	7/14	71.5	24.6	26.2	25.5	71.5	0.0	100%	0.0%
AS15A	W1476	82-0765	8/18	70.8	23.4	24.4	24.2	70.8	0.0	100%	0.0%
AS15A	W1476	82-0847	9/15	71.0	18.8	20.6	19.9	7.3	0.0	10%	0.0%
AS16	W1477	82-0333	6/2	71.0	17.8	22.4	18.9	19.4	0.0	27%	0.0%
AS16	W1477	82-0468	7/14	68.5	25.3	27.7	26.9	68.5	0.0	100%	0.0%
AS16	W1477	82-0768	8/18	68.8	24.2	25.2	24.7	68.8	0.0	100%	0.0%
AS16	W1477	82-0850	9/15	69.3	19.3	20.7	20.4	17.8	0.0	26%	0.0%
AS16A	W1478	82-0316	5/1	45.5	14.0	16.0	14.9	0.0	0.0	0%	0.0%

Station ID	Unique ID	OWMID	Start Date	Hours Monitored	Avg (deg. C)	Max (deg. C)	Mean of the Daily Max (deg. C)	Amount of Time > 20 deg. C (Hours)	Amount of Time > 28.3 deg. C (Hours)	Percentage of Time >20 deg. C (%)	Percentage of Time >28.3 deg. C (%)
AS16A	W1478	82-0336	6/2	68.3	18.5	23.1	19.9	23.2	0.0	34%	0.0%
AS16A	W1478	82-0471	7/14	68.5	25.5	27.6	26.6	68.5	0.0	100%	0.0%
AS16A	W1478	82-0771	8/18	68.8	24.9	26.6	25.8	68.7	0.0	100%	0.0%
AS16A	W1478	82-0853	9/15	69.3	18.5	19.5	19.0	0.0	0.0	0%	0.0%
AS20	W1479	82-0313	5/1	44.5	13.7	17.7	14.1	0.0	0.0	0%	0.0%
AS20	W1479	82-0339	6/2	68.0	18.5	23.1	19.7	22.6	0.0	33%	0.0%
AS20	W1479	82-0474	7/14	68.3	25.8	28.5	27.7	68.3	2.2	100%	3.2%
AS20	W1479	82-0774	8/18	68.5	24.2	26.8	26.7	68.5	0.0	100%	0.0%
AS20	W1479	82-0856	9/15	69.0	19.6	22.6	22.3	22.0	0.0	32%	0.0%
CO01	W1482	82-0348	6/2	67.8	19.0	23.5	20.7	26.2	0.0	39%	0.0%
CO01	W1482	82-0483	7/14	68.3	25.5	27.1	26.4	68.3	0.0	100%	0.0%
CO01	W1482	82-0783	8/18	68.5	24.2	24.9	24.8	68.5	0.0	100%	0.0%
CO01	W1482	82-0865	9/15	68.8	19.5	20.5	20.2	17.4	0.0	25%	0.0%
CO02	W1483	82-0372	6/5	47.0	17.4	18.4	18.4	0.0	0.0	0%	0.0%
CO02	W1483	82-0504	7/17	47.0	27.8	29.4	29.4	46.9	13.0	100%	27.6%
CO02	W1483	82-0804	8/21	47.3	23.7	24.5	24.1	47.2	0.0	100%	0.0%
CO02	W1483	82-0895	9/18	43.5	21.5	22.2	22.2	43.5	0.0	100%	0.0%
CO04	W1485	82-0378	6/5	45.3	17.5	18.1	18.0	0.0	0.0	0%	0.0%
CO04	W1485	82-0507	7/17	45.0	28.3	29.2	--	44.7	22.9	99%	50.8%
CO04	W1485	82-0807	8/21	46.0	24.2	25.2	25.2	45.9	0.0	100%	0.0%
CO04	W1485	82-0886	9/18	43.3	21.7	22.4	22.4	43.3	0.0	100%	0.0%
CO05	W1486	82-0384	6/5	44.3	17.5	18.0	18.0	0.0	0.0	0%	0.0%
CO05	W1486	82-0510	7/17	44.5	28.4	29.6	29.6	44.4	19.5	100%	43.8%
CO05	W1486	82-0810	8/21	44.5	24.1	25.3	25.3	44.4	0.0	100%	0.0%
CO05	W1486	82-0889	9/18	43.5	21.8	22.6	22.6	43.5	0.0	100%	0.0%
CO08	W1487	82-0519	7/17	40.8	28.0	29.2	29.2	40.6	12.1	100%	29.7%
CO08	W1487	82-0819	8/21	41.5	23.8	24.8	24.8	41.3	0.0	100%	0.0%
CO08	W1487	82-0898	9/18	43.3	21.3	21.7	21.7	43.3	0.0	100%	0.0%
RM01	W1488	82-0381	6/5	42.8	17.6	19.8	19.8	0.0	0.0	0%	0.0%
RM01	W1488	82-0513	7/17	43.0	28.1	32.4	32.4	42.9	20.4	100%	47.4%
RM01	W1488	82-0813	8/21	43.5	23.4	25.6	25.6	43.4	0.0	100%	0.0%
RM01	W1488	82-0892	9/18	42.8	21.9	23.0	22.7	42.8	0.0	100%	0.0%
RM10	W1489	82-0375	6/5	41.3	16.8	18.2	18.2	0.0	0.0	0%	0.0%
RM10	W1489	82-0516	7/17	41.5	25.5	26.7	26.7	41.3	0.0	100%	0.0%
RM10	W1489	82-0816	8/21	42.3	20.1	20.6	20.5	30.0	0.0	71%	0.0%
RM10	W1489	82-0901	9/18	43.3	19.1	20.1	20.1	2.1	0.0	5%	0.0%
SU01	W0832	82-0369	6/5	46.8	16.6	18.0	18.0	0.0	0.0	0%	0.0%

Station ID	Unique ID	OWMID	Start Date	Hours Monitored	Avg (deg. C)	Max (deg. C)	Mean of the Daily Max (deg. C)	Amount of Time > 20 deg. C (Hours)	Amount of Time > 28.3 deg. C (Hours)	Percentage of Time >20 deg. C (%)	Percentage of Time >28.3 deg. C (%)
SU01	W0832	82-0501	7/17	47.8	26.1	27.2	27.2	47.7	0.0	100%	0.0%
SU01	W0832	82-0801	8/21	48.3	20.9	21.9	21.3	43.8	0.0	91%	0.0%
SU01	W0832	82-0883	9/18	48.8	18.9	20.1	20.1	1.6	0.0	3%	0.0%
SU04A	W0838	82-0366	6/5	46.8	16.8	18.1	18.1	0.0	0.0	0%	0.0%
SU04A	W0838	82-0498	7/17	47.5	27.1	29.7	29.7	47.4	13.6	100%	28.6%
SU04A	W0838	82-0798	8/21	48.3	22.4	24.5	24.5	48.2	0.0	100%	0.0%
SU04A	W0838	82-0880	9/18	49.0	20.7	22.2	21.9	35.0	0.0	71%	0.0%
SU07	W0696	82-0363	6/5	47.0	17.9	18.8	18.8	0.0	0.0	0%	0.0%
SU07	W0696	82-0495	7/17	47.5	28.2	30.2	30.2	47.5	20.6	100%	43.5%
SU07	W0696	82-0795	8/21	48.3	23.0	24.9	24.9	48.2	0.0	100%	0.0%
SU07	W0696	82-0877	9/18	49.0	21.1	22.4	22.2	46.1	0.0	94%	0.0%
SU09	W0850	82-0357	6/5	47.3	18.7	19.9	19.9	0.0	0.0	0%	0.0%
SU09	W0850	82-0489	7/17	0.0	--	--	--	--	--		
SU09	W0850	82-0789	8/21	0.0	--	--	--	--	--		
SU09	W0850	82-0871	9/18	31.5	21.3	22.6	--	28.1	0.0	89%	0.0%
SU14	W1481	82-0354	6/5	47.5	18.5	19.7	19.7	0.0	0.0	0%	0.0%
SU14	W1481	82-0486	7/17	23.5	26.4	27.5	--	23.5	0.0	100%	0.0%
SU14	W1481	82-0786	8/21	48.5	24.3	25.8	25.8	48.5	0.0	100%	0.0%
SU14	W1481	82-0868	9/18	49.3	22.4	24.1	23.8	49.2	0.0	100%	0.0%
SU15	W0844	82-0310	5/1	43.5	13.6	15.7	14.4	0.0	0.0	0%	0.0%
SU15	W0844	82-0345	6/2	67.8	20.8	24.0	21.9	35.6	0.0	53%	0.0%
SU15	W0844	82-0480	7/14	68.0	26.0	28.0	27.2	68.0	0.0	100%	0.0%
SU15	W0844	82-0780	8/18	68.8	24.9	26.1	25.7	68.8	0.0	100%	0.0%
SU15	W0844	82-0862	9/15	68.8	19.8	21.3	21.0	27.3	0.0	39.7%	0.0%
WB01	W0849	82-0360	6/5	47.3	17.8	20.4	20.4	4.2	0.0	8.9%	0.0%
WB01	W0849	82-0492	7/17	47.8	26.5	28.6	28.6	47.7	4.5	99.9%	9.4%
WB01	W0849	82-0792	8/21	48.0	20.9	22.8	22.8	39.4	0.0	82.1%	0.0%
WB01	W0849	82-0874	9/18	49.0	19.5	20.8	20.8	18.3	0.0	37.3%	0.0%

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APPENDIX 1: 2006 DATA SYMBOLS AND QUALIFIERS

Excerpted from: Water Quality Data Validation Report for Year 2006 Project Data (CN 300.0)

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