Section 5-8
Presumpscot River & Tributaries (Presumpscot River Watch)

Refer to Chapter 4 of this document for where to find information about sampling methods, sampling sites, and quality assurance.

Overview

Presumpscot River Watch (PRW), incorporated as a not-for-profit organization in 1989, works to preserve and improve the health of the Presumpscot River and its tributaries. PRW's commitment is primarily accomplished through a seasonal (summer) volunteer water quality monitoring program that enhances public awareness of river water quality in the Presumpscot River watershed. The data generated from the monitoring program also serve other purposes: (1) verification of state water quality standards, (2) identification of specific problem areas, (3) establishment of baseline water quality monitoring data and (4) use of water quality monitoring results by other organizations.

The Presumpscot River originates at Sebago Lake Basin and flows approximately 25 miles (40 km) to the Atlantic Ocean (Casco Bay) through Cumberland County, Maine. The Presumpscot River contributes the largest freshwater input into Casco Bay, draining approximately 648 square miles. The Presumpscot watershed below Sebago Lake is slightly more than 200 square miles. Nine dams, seven of which are used to generate hydroelectric power, create impoundment and associated tailwater habitats. The uppermost dam is located at the Sebago Lake outlet, whereas the lowermost dam is located at the SAPPI Mill in Westbrook. Major tributaries to the Presumpscot River include the Pleasant River, Little River, and the Piscataqua River; minor tributaries are Nason Brook, Colley Wright Brook, Inkhorn Brook, and Mill Brook. Highland Lake and Forest Lake are the primary lakes in the Presumpscot River watershed, and are connected to the main stem of the Presumpscot River by Mill Brook and the Piscataqua River, respectively. Windham, Gorham, Westbrook, Cumberland, Falmouth and Portland represent primary municipalities in the Presumpscot River watershed, and are characterized by multiple land uses. Urban areas include residential and commercial dwellings, commercial businesses, light industry, and water and wastewater treatment plants. Westbrook and Portland contribute combined sewer overflow (CSO) discharge to the Presumpscot River below Saccarappa Falls. The SAPPI paper mill is located in Westbrook. Agricultural practices such as row crop and pasture constitute the agricultural land use component, whereas mixed deciduous and coniferous forest comprise the forest component.

According to Maine's statutory Water Classification System, the Presumpscot River Basin has designations listed below. [1]

A. Presumpscot River, main stem.

(1) From the outlet of Sebago Lake to the confluence with the Pleasant River – Class A. (Note: Dundee Pond is a great pond, classified GPA)

[1] http://www.mainelegislature.org/legis/statutes/38/title38sec467.html

(2) From the confluence with the Pleasant River to Saccarappa Falls – Class B.
(3) From the Saccarappa Falls to tidewater – Class C.
(4) Below head-of-tide – Class SC.

B. Presumpscot River tributaries below Sebago Lake – Class B.

Urban development, the paper mill, dams, and agricultural land within the watershed are all potential threats to the water quality of the Presumpscot. In order to preserve the river's ecological integrity, recreational uses, and scenic beauty, water quality information must be collected and used to document any changes in water quality or to pinpoint sources of pollution. Budget and time constraints forced a decline in routine river water quality monitoring by the MDEP, which prompted a cooperative effort among local citizens to create Presumpscot River Watch (PRW) in 1989. The mission of PRW is to preserve and improve the health of the Presumpscot River watershed by scientific monitoring of water quality and sharing data to increase awareness of the condition of the river.

Methods

The volunteers monitored the Presumpscot and its tributaries in 2010 at 25 sampling sites; 11 of which are VMRP approved sites. All stations are above head-of-tide at Presumpscot Falls. Table 1 provides a list of the stations, ordered from upstream down for the main stem and the same for the tributaries at their confluence with the Presumpscot. Figures 1A-1D are maps of the sampling site locations.

Monitoring was conducted between 5:30 and 8:30 AM, every two weeks from June 19th through September 11th. At each site, the monitors made direct measurements of water temperature and dissolved oxygen using a multi-meter (either YSI DO200, YSI 550A or YSI 85). Grab samples were collected for E Coli bacteria and transported to the PRW office for analysis using IDEXX Quanti-Tray 2000 method. Air temperature, weather conditions, GPS coordinates, and water appearance were recorded.

Table 1: Sampling Sites

Site ID	Organization Site Code	Sample Location	Class
PRESUMPSCOT RIVER - R225 - PRW	P200	ROUTE 35 CROSSING	A
PRESUMPSCOT RIVER - R202 - PRW	P170	NORTH GORHAM DAM	A
PRESUMPSCOT RIVER - R195 - PRW	P160	DUNDEE POND HEADWATER	A
PRESUMPSCOT RIVER - R166 - PRW	P150	COVERED BRIDGE	A
PRESUMPSCOT RIVER - R161 - VRMP	P145	CONFLUENCE WITH PLEASANT RIVER	B
PRESUMPSCOT RIVER - R - VRMP	P140	GAMBO IMPOUNDMENT	B
PRESUMPSCOT RIVER - R157 - PRW	P135	PARK IN GAMBO	B
PRESUMPSCOT RIVER - R129 - PRW	P089	MALLISON FALLS DAM DOWNSTREAM	B
PRESUMPSCOT RIVER - R126 - PRW	P080	CORRECTIONAL FACILITY OUTFALL	B
PRESUMPSCOT RIVER - R24 - VRMP	P020	BLACKSTRAP ROAD	C
NASON BROOK - RNS11 - VRMP	N010	NASON BROOK	B
PLEASANT RIVER - RPL06 - PRW	PL010	LOVETT BRIDGE	B
PLEASANT RIVER - RPL29 - PRW	PL020	POPE ROAD	B
PLEASANT RIVER - RPL37 - PRW	PL030	WINDHAM CENTER ROAD	B
PLEASANT RIVER - RPL47 - VRMP	PL040	ROUTE 302	B
BAKER BROOK - RPLBK17 - VRMP	BB010	BAKER BROOK	B
DITCH BROOK - RPL00 - VRMP	DB010	ROUTE 302	B
DOUGLAS BROOK - RLTNBDG20 - VRMP	DG010	DOUGLAS BROOK	B
LITTLE RIVER - RLT08 - PRW	L010	ROUTE 237	B
LITTLE RIVER – RLT15 - PRW	L020	ROUTE 202/4	B
TANNERY BROOK - RLTTN06 - VRMP	TA010	QUEEN STREET	B
MILL BROOK - RML63 - VRMP	M030	BELOW HIGHLAND LAKE	B
MILL BROOK - RML01 - VRMP	M010	BRIDGE STREET	B
EAST BRANCH PISCATAQUA RIVER - RPSEB05 - PRW	PI010	E. BRANCH PISCATAQUA RIVER – FALMOUTH ROAD	B
PISCATAQUA RIVER - RPS12 - PRW	PI020	W. BRANCH PISCATAQUA RIVER- LEIGHTON ROAD	B

Figure 1A: Map of All Sampling Sites

Figure 1B: Map of Upper Sampling Sites

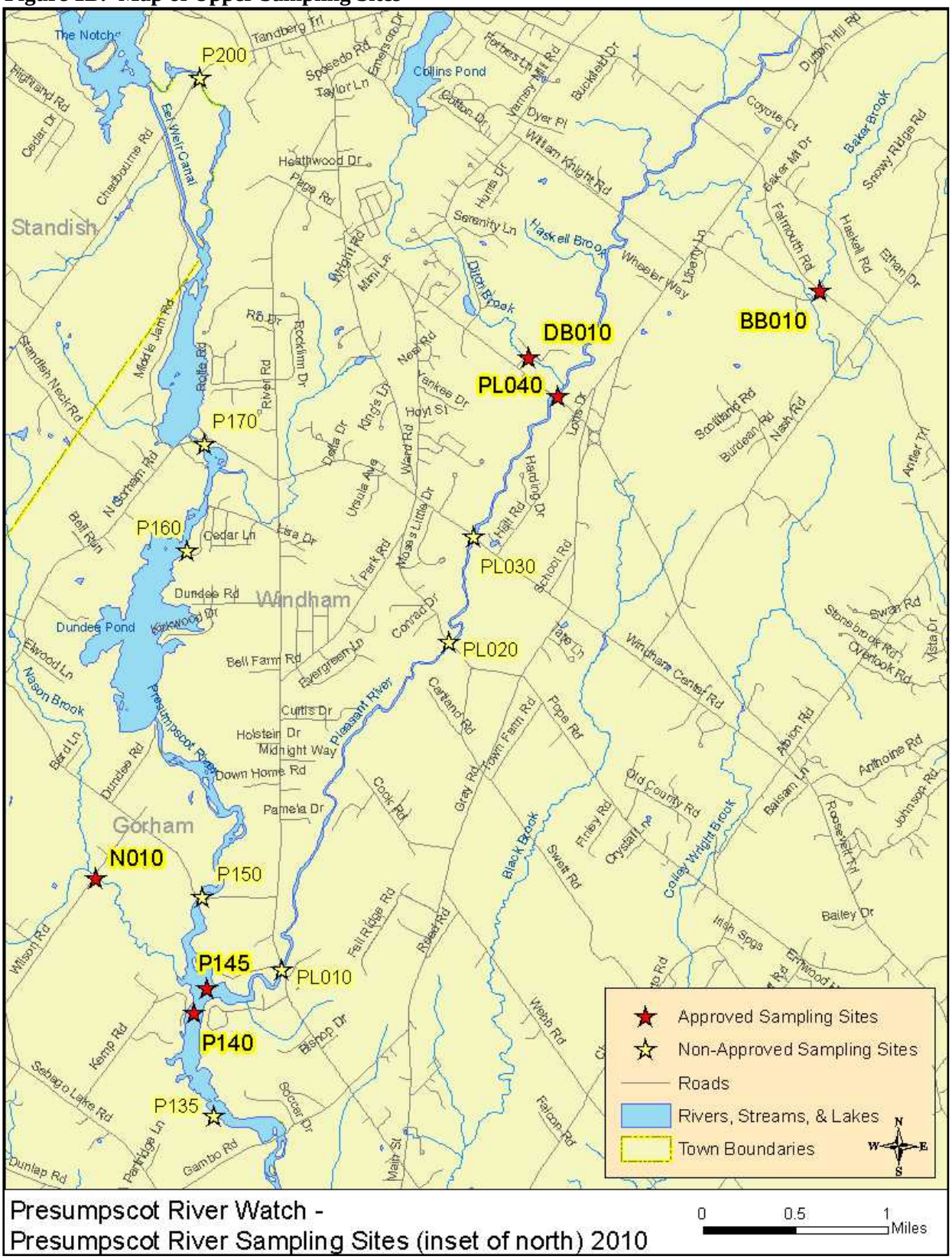


Figure 1C: Map of Middle Sampling Sites

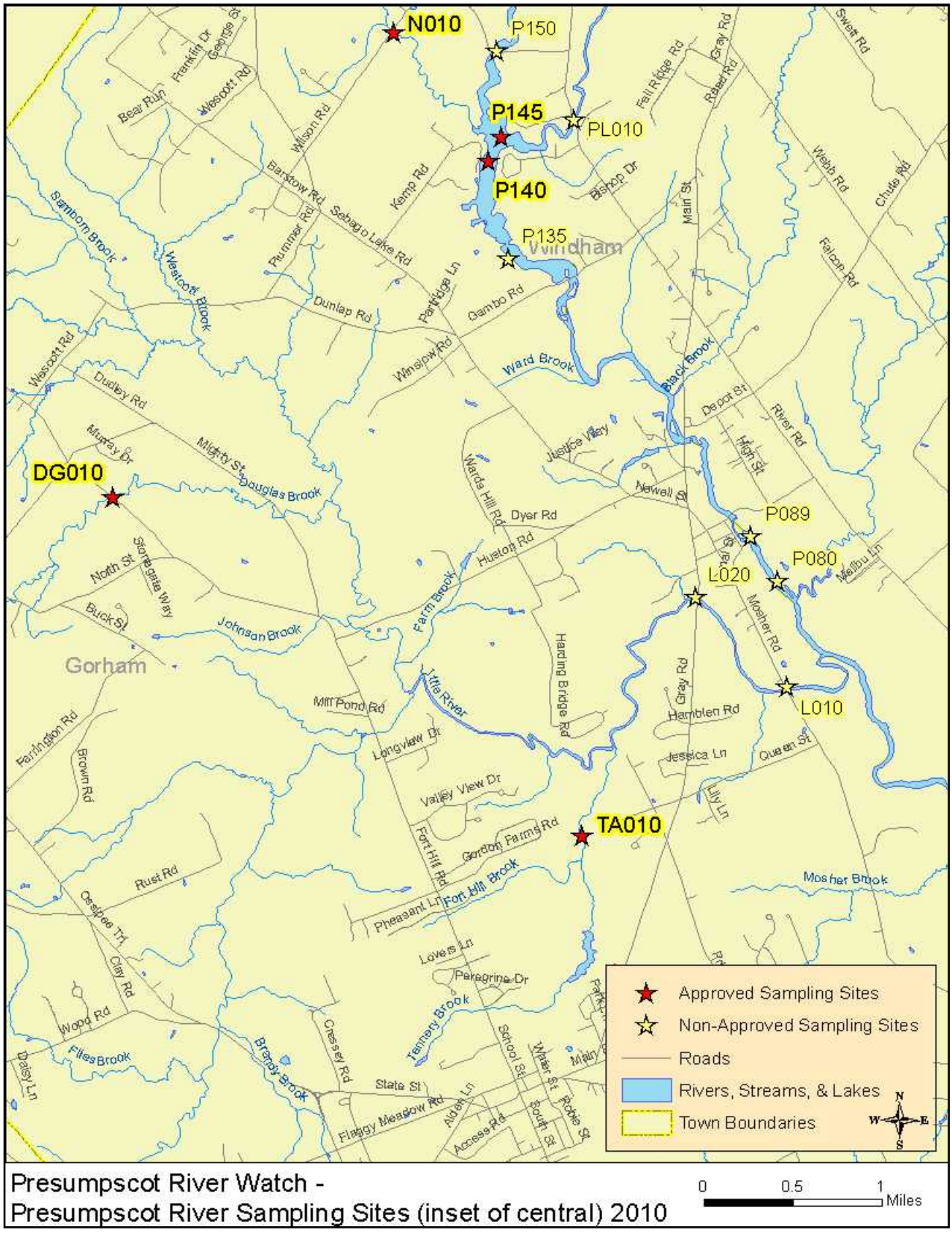
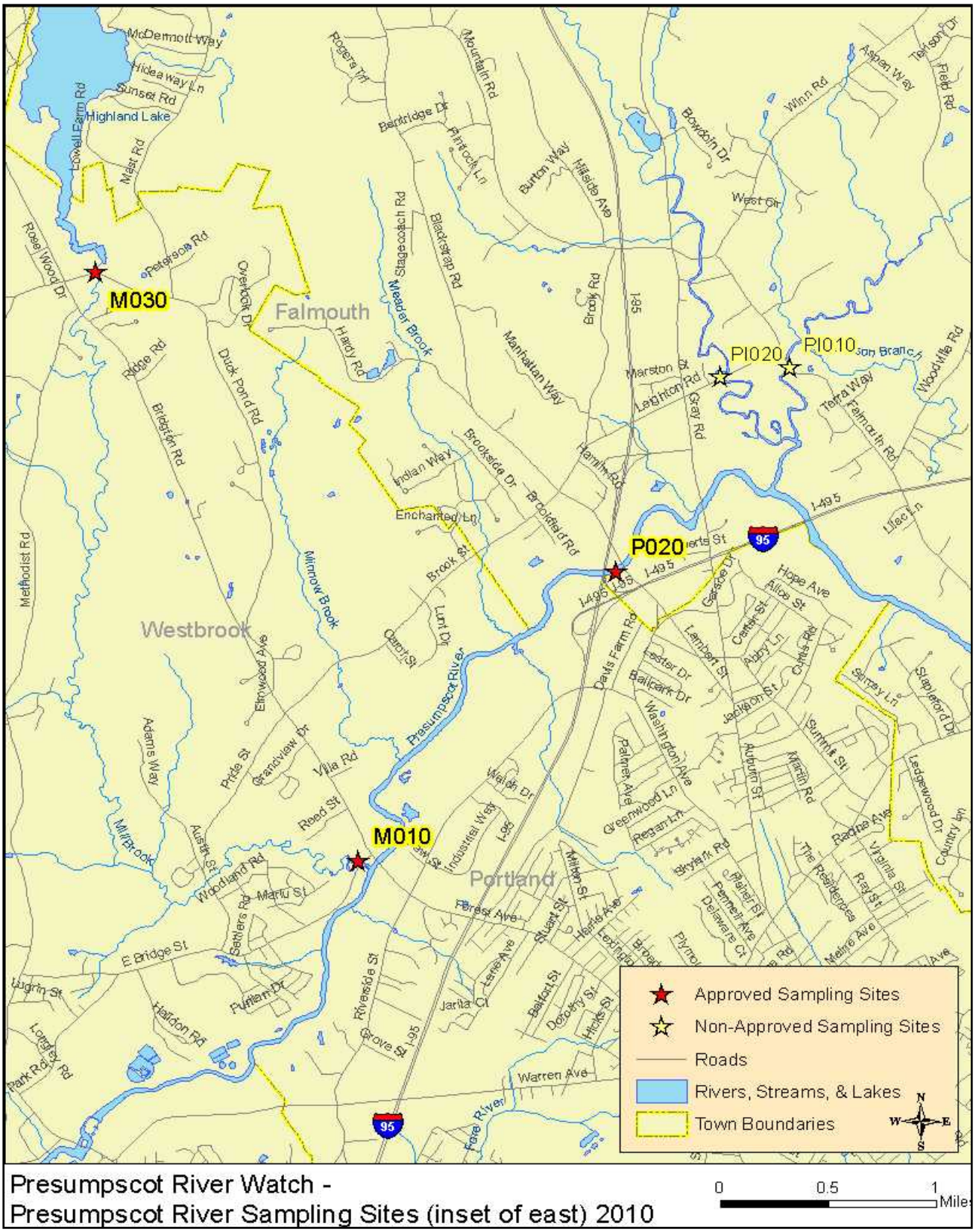


Figure 1D: Map of Lower Sampling Sites



Results

For the purpose of discussion, the sampling stations were divided into Presumpscot River main stem (site code P200 – P020), and the tributaries collectively.

Dissolved Oxygen

Presumpscot Main Stem Dissolved oxygen (DO) was measured 2-15 times at each of the ten main stem sampling sites and all DO measurements were taken before 8:00 AM; the recommended period to measure diurnal low concentrations. Class A and B criteria for dissolved oxygen are a minimum of 7 mg/l or 75% saturation. Class C criteria for dissolved oxygen are a minimum of 5 mg/l or 60 % saturation. To meet water quality criteria, both concentration and saturation standards must be met. Table 2 and Table 3 provide a summary of dissolved oxygen concentration and % saturation for each site including minimum, maximum and average values.

Dissolved oxygen concentrations in the main stem of the river ranged from 6.2 to 9.0 mg/l and from 70.2 to 108.5 percent saturation. On five separate sample days, three of the nine sampling sites in Class A or B waters had minimum DO concentrations below 7.0 mg/l (Sites P200, P150, and P135). Two of nine sampling sites had minimum DO saturations below 75% (Sites P200 and P135). None of these sites were VRMP approved sites. Dissolved oxygen levels never dropped below the Class C instantaneous criteria of 5.0 mg/L or 60 % saturation in the lower Presumpscot River (Site P020) in 2010.

Two of the main stem sites that did not meet water quality criteria for DO were in the upper Class A reaches of the river; P200 at the outlet from Sebago Lake, and P150 upstream of the Gambo impoundment. These low readings occurred on two separate days for each site, none of which were the same between sites. Although flows in the river were at the minimum allowable discharge from Sebago Lake, it would be expected that these sites would meet standards.

Presumpscot Tributaries Dissolved oxygen (DO) was measured 1-7 times at each of the fifteen sampling sites on the five major Presumpscot tributaries and their feeder streams. Ninety-six percent (70 out of 73) of the DO measurements were taken before 8:00 AM; the recommended period to measure diurnal low concentrations (four before 8:40AM, two had no time recorded). Class B criteria for dissolved oxygen are a minimum of 7.0 mg/l or 75% saturation. To meet water quality criteria, both concentration and saturation standards must be met. Table 2 and Table 3 provide a summary of dissolved oxygen concentration and % saturation for each site including minimum, maximum and average values

Dissolved oxygen dropped below the Class B instantaneous criteria of 7.0 mg/L or 75 % saturation a total of eight times at five out of the fifteen tributary sample sites to the Presumpscot including; the Pleasant River, Baker Brook, Douglass Brook, Little River, and the Piscataquis River. Baker Brook is a tributary to the Pleasant River and Douglas Brook is a tributary to the Little River.

Table 2: Dissolved Oxygen Concentration (mg/l) Summary

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Average Value
P200	N	6	6.3	8.4	7.4
P170	N	5	7.5	9.0	8.3
P160	N	4	7.3	8.7	8.0
P150	N	4	6.7	8.4	7.5
P145	Y	6	7.0	7.5	7.2
P140	Y	5	7.0	8.0	7.4
P135	N	6	6.2	8.2	7.4
P089	N	2	7.6	8.3	8.0
P080	N	2	7.3	8.1	7.7
P020	Y	15	6.9	7.8	7.4
N010	Y	7	8.0	10.6	8.8
PL010	N	5	7.3	9.2	8.2
PL020	N	5	7.3	8.8	8.1
PL030	N	5	7.4	8.8	8.3
PL040	Y	7	6.4	8.3	7.4
BB010	Y	6	6.9	9.6	8.1
DB010	Y	7	8.5	10.5	9.2
DG010	Y	1	6.8	6.8	6.8
L010	N	5	7.6	8.2	7.9
L020	N	4	8.2	8.9	8.6
TA010	Y	1	7.6	7.6	7.6
M010	Y	5	7.6	8.4	8.0
M030	Y	6	7.0	9.1	7.8
PL010	N	4	6.4	7.0	6.7
PL020	N	4	8.3	9.2	8.8

Table 3: Dissolved Oxygen Saturation (%) Summary

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Average Value
P200	N	5	20.9	25.3	22.9
P170	N	5	20.2	26.5	24.2
P160	N	4	20.2	26.4	24.1
P150	N	4	19.7	26.3	23.9
P145	Y	5	21.0	27.1	24.5
P140	Y	5	21.1	25.7	23.4
P135	N	6	22.1	26.2	23.9
P089	N	2	22.3	25.9	24.1
P080	N	2	22.2	25.8	24.0
P020	Y	15	21.1	26.4	23.4
N010	Y	7	10.1	19.5	14.7
PL010	N	5	17.6	23.4	20.2
PL020	N	5	16.8	22.5	18.8
PL030	N	5	17.3	22.6	19.0
PL040	Y	7	10.1	23.0	18.0
BB010	Y	6	14.1	20.7	16.5
DB010	Y	7	16.4	27.4	19.3
DG010	Y	1	22.6	22.6	22.6
L010	N	5	16.1	21.8	18.4
L020	N	4	16.0	22.1	18.5
TA010	Y	1	17.7	17.7	17.7
M010	Y	5	15.0	21.6	17.7
M030	Y	6	21.0	26.5	23.3
PI010	N	4	17.3	19.6	18.1
PI020	N	4	15.2	16.3	15.7

Water Temperature

All Sample Sites. Dissolved oxygen (DO) was measured 2-15 times at each of the ten main stem sampling sites and 1-7 times in the tributaries. All temperature readings were taken before 8:37 AM. Water temperatures varied over time at all sites, increasing as the spring shifted into summer. Main stem water temperatures are generally higher than tributaries. The average water temperature for the main stem sample sites for the entire sampling season was 23.8°C and for the tributaries it was 18.4°C. The difference is due to resident time within dam impoundments and lack of tree cover across the width of the channel.

Table 4 provides a summary of temperature values for each site including minimum, maximum and average values.

Table 4: Temperature (˚ Celsius) Summary

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Average Value
P200	N	5	20.9	25.3	22.9
P170	N	5	20.2	26.5	24.2
P160	N	4	20.2	26.4	24.1
P150	N	4	19.7	26.3	23.9
P145	Y	5	21.0	27.1	24.5
P140	Y	5	21.1	25.7	23.4
P135	N	6	22.1	26.2	23.9
P089	N	2	22.3	25.9	24.1
P080	N	2	22.2	25.8	24.0
P020	Y	15	21.1	26.4	23.4
N010	Y	7	10.1	19.5	14.7
PL010	N	5	17.6	23.4	20.2
PL020	N	5	16.8	22.5	18.8
PL030	N	5	17.3	22.6	19.0
PL040	Y	7	10.1	23.0	18.0
BB010	Y	6	14.1	20.7	16.5
DB010	Y	7	16.4	27.4	19.3
DG010	Y	1	22.6	22.6	22.6
L010	N	5	16.1	21.8	18.4
L020	N	4	16.0	22.1	18.5
TA010	Y	1	17.7	17.7	17.7
M010	Y	5	15.0	21.6	17.7
M030	Y	6	21.0	26.5	23.3
PI010	N	4	17.3	19.6	18.1
PI020	N	4	15.2	16.3	15.7

Bacteria

Presumpscot Main Stem E Coli bacteria were sampled 2-8 times at each of the ten main stem sampling sites. All samples were taken during baseflow conditions. E Coli bacteria are used as the indicator organism for freshwaters. While this type of bacteria is not a pathogen, its presence in the water may indicate the presence of other organisms including bacteria and viruses that can cause gastrointestinal illnesses.

Class B criteria for bacteria are as follows: "Between May 15th and September 30th, the number of Escherichia Coli of human and domestic origin shall not exceed a geometric mean of 64/100 ml (milliliters) or an instantaneous level of 236/100 ml." Class C criteria are: "Between May 15th and September 30th, the number of Escherichia Coli of human and domestic origin shall not exceed a geometric mean of 126/100 ml (milliliters) or an instantaneous level of 236/100 ml."

Table 5 provides a summary of bacteria values for each site including minimum, maximum and geometric means. Geometric means are calculated instead of averages because measures like bacteria often have a few very large values that strongly influence the mean and make it a poor predictor.

The main stem of the Presumpscot had only one violation of the bacteria standard. Sampling site P020 of the lower Presumpscot had a Class C instantaneous count of 345/100ml on August 28th. This occurred two days after a 2.6 inch storm event and may be contributed to urban stormwater runoff or a combined sewer overflow discharge. No main stem sampling site exceeded the geometric mean criterion for either Class B or Class C bacteria standard.

Presumpscot Tributaries E Coli bacteria were sampled 1-9 times at each of the fifteen tributary sampling sites. All samples were taken during baseflow conditions. E Coli bacteria are used as the indicator organism for freshwaters. While this type of bacteria is not a pathogen, its presence in the water may indicate the presence of other organisms including bacteria and viruses that can cause gastrointestinal illnesses.

Class B criteria for bacteria are as follows: "Between May 15th and September 30th, the number of Escherichia Coli of human and domestic origin shall not exceed a geometric mean of 64/100 ml (milliliters) or an instantaneous level of 236/100 ml."

Table 5 provides a summary of bacteria values for each site including minimum, maximum and geometric means. Geometric means are calculated instead of averages because measures like bacteria often have a few very large values that strongly influence the mean and make it a poor predictor.

Only 3 of 15 tributary sampling sites did not violate Class B geometric mean criterion of 64/100 ml; they were PL010, TA010 and M030. All other sites had violations. Eight of the 15 sampling sites violated the instantaneous criterion of 236/100 ml. Out of the total 87 samples taken, 26 violated the instantaneous criterion. The summer of 2010 was dry with only two significant

rainfall events of over 1.0 inches - 2.3 inches on 7/14 and 2/6 inches on 8/25 recorded at the Portland Jetport. There appears to be no correlation between high instantaneous counts and stormwater runoff. Further monitoring and study is necessary to determine the cause.

Table 5: Bacteria Most Probable Number (MPN) Summary

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Geometric Mean
P200	N	6	7	46	17
P170	N	6	4	13	7
P160	N	4	4	9	6
P150	N	4	3	20	11
P145	Y	7	3	20	8
P140	Y	8	4	23	9
P135	N	6	10	17	12
P089	N	2	31	36	34
P080	N	2	21	23	22
P020	Y	7	29	345	79
N010	Y	9	197	980	430
PL010	N	6	16	122	50
PL020	N	6	70	326	142
PL030	N	6	108	345	219
PL040	Y	8	365	866	613
BB010	Y	7	75	365	156
DB010	Y	7	47	172	78
DG010	Y	2	154	195	173
L010	N	6	75	816	193
L020	N	4	61	210	104
TA010	Y	1	47	47	47
M010	Y	9	187	816	396
M030	Y	8	6	23	13
PL010	N	4	102	236	164
PL020	N	4	84	291	135

Discussion and Recommendations

There are numerous sources of pollution and other stresses to the Presumpscot River Watershed that could potentially have an impact on water quality. Some of those sources of pollution and stress may include:

- Nonpoint source pollution (e.g., eroded soil, fertilizers, pesticides, heavy metals, petroleum residues, road salt, wildlife and pet feces) and polluted stormwater originating from impervious surfaces (e.g., streets, parking lots, driveways, rooftops), agriculture, and forestry
- Dams and impoundments (which often create more pond-like aquatic habitat conditions that may have higher water temperatures and lower dissolved oxygen concentrations than if the river section was free-flowing)
- Natural effects of wetlands (such as contributing waters to a stream/river that have low dissolved oxygen levels due to the decomposition of large amounts of organic matter, respiration of abundant plant matter, and low re-aeration rates that is characteristic of many wetlands)
- Point sources (e.g., failing private septic systems, wastewater treatment plants, combined sewer overflows [CSO], and industrial discharges) of pollution.

The following are recommendations for future monitoring:

- Continue early morning sampling to document daily low dissolved oxygen readings. This is particularly important during the summer months of July to early September when temperatures are warmest and dissolved oxygen tends to be at the lowest levels.
- Continue monitoring at all stations to develop a long term trend database.
- Have non VRMP approved sampling sites approved.
- Consider an additional site directly upstream of Presumpscot Falls in order to document dissolved oxygen levels in the lowest freshwater reach of the river. This is where longitudinally the lowest DO reading for the lower Presumpscot are expected to be found.
- Further monitoring of E coli bacteria in the tributaries in order to determine sources. Consider bracketing expected sources.

Appendix A-1. 2010 water quality data for "Approved" and "Non-Approved" sites. Non-Approved sites do not yet meet official VRMP sample location criteria and/or require further inspection and review.
* Sampling depths are only reported for Tier 1 VRMP sites.
** "N" = normal environmental sample ; "D" = field duplicate; "D.O." = dissolved oxygen; "Spec. Cond" = specific conductance; "Turb" = turbidity
Refer to Appendix A-2 for observational data and quality assurance/quality control (QA/QC) notes.

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Sample Depth	Depth Unit	Water Temp. (DEG C)	D. O. % Sat	D. O. (MG/L)	Spec. Cond. (US/CM)	Salinity(PPTH)	Turb. (NTU)	E Coli Bacteria (MPN/ 100ML)
Presumpscot River & Tributaries - Presumpscot River Watch (Approved Sites)													
BB010	BAKER BROOK - RPLBK17 - VRMP	6/19/2010	6:00 AM	N			15.9						75.9
BB010	BAKER BROOK - RPLBK17 - VRMP	7/3/2010	7:04 AM	N			15.5	96.5	9.6				74.9
BB010	BAKER BROOK - RPLBK17 - VRMP	7/17/2010		N			20.7	79	7.16				172
BB010	BAKER BROOK - RPLBK17 - VRMP	7/31/2010	6:32 AM	N			15.5	89.2	8.87				119
BB010	BAKER BROOK - RPLBK17 - VRMP	8/14/2010	7:10 AM	N			17	95	9.18				201.4
BB010	BAKER BROOK - RPLBK17 - VRMP	8/28/2010	6:30 AM	N			14.1	67.4	6.94				365
BB010	BAKER BROOK - RPLBK17 - VRMP	9/11/2010	6:15 AM	N					7				260
DB010	DITCH BROOK - RPL00 - VRMP	6/19/2010	6:02 AM	N			16.4	96.9	9.32				49.6
DB010	DITCH BROOK - RPL00 - VRMP	7/3/2010	6:01 AM	N			20.3	94.7	8.5				65
DB010	DITCH BROOK - RPL00 - VRMP	7/17/2010	6:08 AM	N			27.4	99.5	8.6				172
DB010	DITCH BROOK - RPL00 - VRMP	7/31/2010	6:17 AM	N			18.3	111.8	10.5				47
DB010	DITCH BROOK - RPL00 - VRMP	8/14/2010	7:53 AM	N			18.7	95.3	8.9				105.4
DB010	DITCH BROOK - RPL00 - VRMP	8/28/2010	6:42 AM	N			16.9	95.7	9.2				109
DB010	DITCH BROOK - RPL00 - VRMP	9/11/2010	6:45 AM	N			16.9	95.6	9.2				61
DG010	DOUGLAS BROOK - RLTNBDG20 - VRM	7/17/2010	7:45 AM	N			22.6	79.2	6.8				154
DG010	DOUGLAS BROOK - RLTNBDG20 - VRM	7/17/2010	7:45 AM	D									195
M010	MILL BROOK - RML01 - VRMP	6/19/2010	6:45 AM	N									435.2
M010	MILL BROOK - RML01 - VRMP	7/3/2010		N									816.4
M010	MILL BROOK - RML01 - VRMP	7/17/2010	7:15 AM	N			21.6	85.5	7.57				579
M010	MILL BROOK - RML01 - VRMP	7/31/2010	8:00 AM	N			18.1	89.4	8.44				461
M010	MILL BROOK - RML01 - VRMP	7/31/2010	8:00 AM	D									435
M010	MILL BROOK - RML01 - VRMP	8/14/2010	7:00 AM	N			17.4	80.8	7.86				290.9
M010	MILL BROOK - RML01 - VRMP	8/14/2010	7:00 AM	D									260.2
M010	MILL BROOK - RML01 - VRMP	8/28/2010	7:50 AM	N			16.5	85.5	8.35				410
M010	MILL BROOK - RML01 - VRMP	9/11/2010	7:30 AM	N			15	79.3	7.8				187
M030	MILL BROOK - RML63 - VRMP	6/19/2010	7:15 AM	N			21.5						17.3
M030	MILL BROOK - RML63 - VRMP	7/3/2010	6:35 AM	N			23.3	95.4	8.3				16
M030	MILL BROOK - RML63 - VRMP	7/17/2010		N			26.5	87.6	7.04				6
M030	MILL BROOK - RML63 - VRMP	7/31/2010	6:15 AM	N			23.9	73.1	7.28				11
M030	MILL BROOK - RML63 - VRMP	8/14/2010	6:15 AM	N			23.8	93.2	7.89				10.9
M030	MILL BROOK - RML63 - VRMP	8/28/2010	6:00 AM	N			21	101.6	9.11				14
M030	MILL BROOK - RML63 - VRMP	8/28/2010	6:00 AM	D									17

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Sample Depth	Depth Unit	Water Temp. (DEG C)	D. O. % Sat	D. O. (MG/L)	Spec. Cond. (US/CM)	Salinity(PPTH)	Turb. (NTU)	E Coli Bacteria (MPN/ 100ML)
M030	MILL BROOK - RML63 - VRMP	9/11/2010	5:45 AM	N					7.2				23
N010	NASON BROOK - RNS11 - VRMP	6/19/2010	7:16 AM	N			14.7	92	9.33				980.4
N010	NASON BROOK - RNS11 - VRMP	7/3/2010	6:22 AM	N			10.1	85.3	8.7				613.1
N010	NASON BROOK - RNS11 - VRMP	7/3/2010	6:22 AM	D									547.5
N010	NASON BROOK - RNS11 - VRMP	7/17/2010	6:30 AM	N			19.5	88.2	8.1				687
N010	NASON BROOK - RNS11 - VRMP	7/31/2010	6:40 AM	N			13.8	102.2	10.6				197
N010	NASON BROOK - RNS11 - VRMP	8/14/2010	7:24 AM	N			15.2	86.6	8.6				260.2
N010	NASON BROOK - RNS11 - VRMP	8/28/2010	7:07 AM	N			14.6	82.4	8.3				816
N010	NASON BROOK - RNS11 - VRMP	9/11/2010	7:01 AM	N			14.7	79.2	8				225
N010	NASON BROOK - RNS11 - VRMP	9/11/2010	7:01 AM	D									236
PL040	PLEASANT RIVER - RPL47 - VRMP	6/19/2010	5:38 AM	N			17.6	81.1	7.72				435.2
PL040	PLEASANT RIVER - RPL47 - VRMP	7/3/2010	5:48 AM	N			10.1	74.7	6.4				365.4
PL040	PLEASANT RIVER - RPL47 - VRMP	7/17/2010	5:57 AM	N			23	82.6	7.1				866
PL040	PLEASANT RIVER - RPL47 - VRMP	7/31/2010	6:04 AM	N			19.2	74.9	7				687
PL040	PLEASANT RIVER - RPL47 - VRMP	8/14/2010	6:15 AM	N			20.2	83.1	7.4				866.4
PL040	PLEASANT RIVER - RPL47 - VRMP	8/28/2010	6:20 AM	N			17.6	76.7	7.6				649
PL040	PLEASANT RIVER - RPL47 - VRMP	8/28/2010	6:20 AM	D									687
PL040	PLEASANT RIVER - RPL47 - VRMP	9/11/2010	6:32 AM	N			18.2	85.1	8.3				548
P140	PRESUMPSCOT RIVER - R - VRMP	7/3/2010	7:00 AM	N			22.1	87.4	7.6				8.6
P140	PRESUMPSCOT RIVER - R - VRMP	7/17/2010	7:25 AM	N			25.7	87.2	7.99				23
P140	PRESUMPSCOT RIVER - R - VRMP	7/31/2010	7:35 AM	N			24.4	84.8	7.01				12
P140	PRESUMPSCOT RIVER - R - VRMP	8/14/2010	6:45 AM	N			23.9	84.5	7.07				4.1
P140	PRESUMPSCOT RIVER - R - VRMP	8/28/2010	7:20 AM	N			21.1	80	7.06				13
P140	PRESUMPSCOT RIVER - R - VRMP	8/28/2010	7:20 AM	D									11
P140	PRESUMPSCOT RIVER - R - VRMP	9/11/2010		N									6
P140	PRESUMPSCOT RIVER - R - VRMP	9/11/2010		D									5
P145	PRESUMPSCOT RIVER - R161 - VRMP	7/3/2010	7:20 AM	N			27.1	85	7.47				5.2
P145	PRESUMPSCOT RIVER - R161 - VRMP	7/3/2010	7:20 AM	D									6.3
P145	PRESUMPSCOT RIVER - R161 - VRMP	7/17/2010	7:10 AM	N			25.9	89.4	7.26				12
P145	PRESUMPSCOT RIVER - R161 - VRMP	7/31/2010	7:15 AM	N			24.4	86	7.18				3
P145	PRESUMPSCOT RIVER - R161 - VRMP	8/14/2010	6:50 AM	N			24	83.9	6.98				9.6
P145	PRESUMPSCOT RIVER - R161 - VRMP	8/28/2010	7:10 AM	N			21	81.8	7.25				14
P145	PRESUMPSCOT RIVER - R161 - VRMP	8/28/2010	7:10 AM	D				81.5	7.24				
P145	PRESUMPSCOT RIVER - R161 - VRMP	9/11/2010		N									20
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/19/2010	5:40 AM	N									72.3
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/19/2010	5:40 AM	D									66.3
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/3/2010	7:15 AM	N									62.4
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/3/2010	7:15 AM	N	.0	M	22.4	89.5	7.75				
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/3/2010	7:15 AM	N	1.0	M	22.4	89.4	7.75				
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/3/2010	7:15 AM	N	2.0	M	22.4	89.2	7.67				
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/17/2010	6:30 AM	N									86

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Sample Depth	Depth Unit	Water Temp. (DEG C)	D. O. % Sat	D. O. (MG/L)	Spec. Cond. (US/CM)	Salinity(PPTH)	Turb. (NTU)	E Coli Bacteria (MPN/ 100ML)
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/17/2010	6:30 AM	N	.0	M	26.4	88.7	7.17				
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/17/2010	6:30 AM	N	1.0	M	26.4	88.8	7.16				
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/17/2010	6:30 AM	N	2.0	M	26.4	88.8	7.15				
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/31/2010	7:10 AM	N									73
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/31/2010	7:10 AM	N	.0	M	24.7	89.3	7.45				
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/31/2010	7:10 AM	N	1.0	M	24.7	88.1	7.31				
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/31/2010	7:10 AM	N	2.0	M	24.7	87.9	7.31				
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/14/2010	6:05 AM	N									
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/14/2010	6:05 AM	N	1.0	M	24.6	83.2	6.93				
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/14/2010	6:05 AM	N	2.0	M	24.6	83.6	6.88				
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/28/2010	7:10 AM	N									345
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/28/2010	7:10 AM	N	.0	M	21.3	88.1	7.8				
P020	PRESUMPSCOT RIVER - R24 - VRMP	8/28/2010	7:10 AM	N	1.0	M	21.3	88	7.8				
P020	PRESUMPSCOT RIVER - R24 - VRMP	9/11/2010	6:45 AM	N									29
P020	PRESUMPSCOT RIVER - R24 - VRMP	9/11/2010	6:45 AM	N	1.0	M	21.1	86.5	7.69				
P020	PRESUMPSCOT RIVER - R24 - VRMP	9/11/2010	6:45 AM	N	2.0	M	21.1	85.8	7.7				
TA010	TANNERY BROOK - RLTTN06 - VRMP	8/14/2010	7:55 AM	N			17.7	80	7.62				47.1
Presumpscot River - Presumpscot River Watch (Non Approved Sites)													
PI010	EAST BRANCH PISCATAQUA RIVER - F	8/14/2010	8:05 AM	N			19.6	76.8	7				101.7
PI010	EAST BRANCH PISCATAQUA RIVER - F	8/28/2010	6:35 AM	N			17.5	71.2	6.81				219
PI010	EAST BRANCH PISCATAQUA RIVER - F	8/28/2010	6:35 AM	D			17.4	71.2	6.82				236
PI010	EAST BRANCH PISCATAQUA RIVER - F	9/11/2010	7:30 AM	N			17.3	66.8	6.4				138
L010	LITTLE RIVER - RLT08 - PRW	7/17/2010	7:50 AM	N			21.8	87.4	7.67				104
L010	LITTLE RIVER - RLT08 - PRW	7/17/2010	7:50 AM	D			21.8	87.3	7.68				75
L010	LITTLE RIVER - RLT08 - PRW	8/14/2010	7:40 AM	N			18.8	82.2	7.62				131.3
L010	LITTLE RIVER - RLT08 - PRW	8/28/2010	7:32 AM	N			16.8	83.3	8.09				649
L010	LITTLE RIVER - RLT08 - PRW	8/28/2010	7:32 AM	D									816
L010	LITTLE RIVER - RLT08 - PRW	9/11/2010	7:22 AM	N			16.1	83.5	8.21				96
L020	LITTLE RIVER - RLT15 - PRW	7/17/2010	7:25 AM	N			22.1	94.3	8.22				86
L020	LITTLE RIVER - RLT15 - PRW	8/14/2010	7:28 AM	N			18.6	93.1	8.72				60.9
L020	LITTLE RIVER - RLT15 - PRW	8/28/2010	7:10 AM	N			17.1	87.7	8.43				210
L020	LITTLE RIVER - RLT15 - PRW	9/11/2010	7:05 AM	N			16	89.9	8.9				105
PI020	PISCATAQUA RIVER - RPS12 - PRW	8/14/2010	7:55 AM	N			16.3	91.5	9				156.5
PI020	PISCATAQUA RIVER - RPS12 - PRW	8/28/2010	6:45 AM	N			15.6	92	9.17				291
PI020	PISCATAQUA RIVER - RPS12 - PRW	9/11/2010	7:41 AM	N			15.2	82.3	8.3				88
PI020	PISCATAQUA RIVER - RPS12 - PRW	9/11/2010	7:41 AM	D			15.2	82.4	8.3				84
PL010	PLEASANT RIVER - RPL06 - PRW	6/19/2010	7:00 AM	N			17.6	95.9	9.2				37.4
PL010	PLEASANT RIVER - RPL06 - PRW	7/3/2010	8:07 AM	N			19.5	83.8	7.68				121.9
PL010	PLEASANT RIVER - RPL06 - PRW	7/17/2010	7:02 AM	N			23.4	87.1	7.3				46

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Sample Depth	Depth Unit	Water Temp. (DEG C)	D. O. % Sat	D. O. (MG/L)	Spec. Cond. (US/CM)	Salinity(PPTH)	Turb. (NTU)	E Coli Bacteria (MPN/ 100ML)
PL010	PLEASANT RIVER - RPL06 - PRW	8/14/2010	7:10 AM	N			21.4	103.6	9.2				16.1
PL010	PLEASANT RIVER - RPL06 - PRW	8/28/2010	7:02 AM	N			18.9	83.3	7.8				41
PL010	PLEASANT RIVER - RPL06 - PRW	9/11/2010		N									108
PL020	PLEASANT RIVER - RPL29 - PRW	6/19/2010	7:20 AM	N			17.4	92.5	8.8				325.5
PL020	PLEASANT RIVER - RPL29 - PRW	7/3/2010	8:24 AM	N			19.4	91.2	8.34				70.3
PL020	PLEASANT RIVER - RPL29 - PRW	7/17/2010	7:35 AM	N			22.5	84.5	7.34				144
PL020	PLEASANT RIVER - RPL29 - PRW	8/14/2010	7:30 AM	N			17.8	86.4	8.17				152.9
PL020	PLEASANT RIVER - RPL29 - PRW	8/28/2010	7:19 AM	N			16.8	82.9	8.02				111
PL020	PLEASANT RIVER - RPL29 - PRW	9/11/2010		N									147
PL030	PLEASANT RIVER - RPL37 - PRW	6/19/2010	7:40 AM	N			17.3	92	8.8				344.8
PL030	PLEASANT RIVER - RPL37 - PRW	7/3/2010	8:37 AM	N			19.5	92.4	8.46				107.6
PL030	PLEASANT RIVER - RPL37 - PRW	7/17/2010	7:25 AM	N			22.6	85.6	7.35				308
PL030	PLEASANT RIVER - RPL37 - PRW	8/14/2010	7:50 AM	N			18	92	8.72				172.3
PL030	PLEASANT RIVER - RPL37 - PRW	8/28/2010	7:29 AM	N			17.4	83.8	8.05				345
PL030	PLEASANT RIVER - RPL37 - PRW	9/11/2010		N									161
P080	PRESUMPSCOT RIVER - R126 - PRW	7/3/2010	7:10 AM	N			22.2	83.8	7.3				21.1
P080	PRESUMPSCOT RIVER - R126 - PRW	7/17/2010	6:45 AM	N			25.8	99.2	8.1				23
P089	PRESUMPSCOT RIVER - R129 - PRW	7/3/2010	7:01 AM	N			22.3	87.3	7.61				31.4
P089	PRESUMPSCOT RIVER - R129 - PRW	7/17/2010	7:00 AM	N			25.9	104.1	8.34				36
P135	PRESUMPSCOT RIVER - R157 - PRW	7/3/2010	7:18 AM	N			22.7	87.1	7.6				9.7
P135	PRESUMPSCOT RIVER - R157 - PRW	7/17/2010	7:13 AM	N			26.2	93	7.5				10
P135	PRESUMPSCOT RIVER - R157 - PRW	7/31/2010	6:56 AM	N			24.8	100.8	8.2				15
P135	PRESUMPSCOT RIVER - R157 - PRW	8/14/2010	7:09 AM	N			25.2	87.1	7.2				17.3
P135	PRESUMPSCOT RIVER - R157 - PRW	8/28/2010	7:17 AM	N			22.3	87.1	7.7				12
P135	PRESUMPSCOT RIVER - R157 - PRW	9/11/2010	7:35 AM	N			22.1	70.9	6.2				12
P150	PRESUMPSCOT RIVER - R166 - PRW	6/19/2010	7:08 AM	N			19.7	91.5	8.36				17.2
P150	PRESUMPSCOT RIVER - R166 - PRW	7/17/2010	6:55 AM	N			26.3	82.8	6.71				20
P150	PRESUMPSCOT RIVER - R166 - PRW	7/31/2010	6:40 AM	N			25	83.8	6.93				16
P150	PRESUMPSCOT RIVER - R166 - PRW	8/14/2010	6:40 AM	N			24.6	98.1	8.15				3
P160	PRESUMPSCOT RIVER - R195 - PRW	6/19/2010	6:39 AM	N			20.2	96.4	8.74				4.1
P160	PRESUMPSCOT RIVER - R195 - PRW	7/17/2010	6:27 AM	N			26.4	90.4	7.27				9
P160	PRESUMPSCOT RIVER - R195 - PRW	7/31/2010	6:14 AM	N			24.9	89.7	7.4				6
P160	PRESUMPSCOT RIVER - R195 - PRW	8/14/2010	6:12 AM	N			24.8	103.1	8.5				7.3
P170	PRESUMPSCOT RIVER - R202 - PRW	6/19/2010	6:22 AM	N			20.2	98.7	8.94				4.1
P170	PRESUMPSCOT RIVER - R202 - PRW	7/17/2010	6:08 AM	N			26.5	93.7	7.53				13
P170	PRESUMPSCOT RIVER - R202 - PRW	7/17/2010	6:08 AM	D			26.5	93.3	7.5				12
P170	PRESUMPSCOT RIVER - R202 - PRW	7/31/2010	5:57 AM	N			25.1	91.7	7.58				4
P170	PRESUMPSCOT RIVER - R202 - PRW	7/31/2010	5:57 AM	D									4
P170	PRESUMPSCOT RIVER - R202 - PRW	8/14/2010	5:55 AM	N			25	108.5	9				8.5
P200	PRESUMPSCOT RIVER - R225 - PRW	7/3/2010	7:36 AM	N			22	91.2	7.96				21.3
P200	PRESUMPSCOT RIVER - R225 - PRW	7/17/2010		N			25.3	90.5	7.56				13

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Sample Depth	Depth Unit	Water Temp. (DEG C)	D. O. % Sat	D. O. (MG/L)	Spec. Cond. (US/CM)	Salinity(PPTH)	Turb. (NTU)	E Coli Bacteria (MPN/ 100ML)
P200	PRESUMPSCOT RIVER - R225 - PRW	7/31/2010	6:55 AM	N			23.5	89.6	7.67				7
P200	PRESUMPSCOT RIVER - R225 - PRW	8/14/2010	6:58 AM	N			23	97	8.37				45.5
P200	PRESUMPSCOT RIVER - R225 - PRW	8/28/2010	6:50 AM	N			20.9	70.2	6.31				16
P200	PRESUMPSCOT RIVER - R225 - PRW	9/11/2010	6:40 AM	N					6.6				15

Appendix A-2. 2010 observational data and quality assurance/quality control (QA/QC) notes for "approved" and "non-approved" sites.
** "N" = normal environmental sample; "D" = field duplicate; "D.O." = dissolved oxygen; "Spec. Cond" = specific conductance; "Turb"= turbidity
Refer to Appendix A-1 for water quality data

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Flow	Stage	Air Temp. (DEG C)	Sample Location	Current Weather	Air Cond-ition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
Presumpscot River - Presumpscot River Watch (Approved Sites)															
BB010	BAKER BROOK - RPLBK17 - VRMP	6/19/2010	6:00 AM	N	BASE FLOW	LOW	50	BANK	CLEAR	CALM	CLEAR	RIFFLE		MEDIUM STAINED	METER MALFUNCTION PROBABLE, SO DO READINGS NOT ACCEPTED; VERTICAL DEPTH AT 12"
BB010	BAKER BROOK - RPLBK17 - VRMP	7/3/2010	7:04 AM	N	BASE FLOW	MEDIUM	53	WADING	PARTLY CLOUDY	CALM	CLEAR, PARTLY CLOUDY	RUN		MEDIUM STAINED	WADEABLE/MID-DEPTH
BB010	BAKER BROOK - RPLBK17 - VRMP	7/17/2010		N	BASE FLOW	MEDIUM	71	WADING	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	SAMPLE TIME NOT RECORDED, BUT APPEARS TO BE BEFORE 8AM DUE TO DATA FIELD SHEET TIME. WADEABLE/1.5 FT BELOW SURFACE
BB010	BAKER BROOK - RPLBK17 - VRMP	7/31/2010	6:32 AM	N	BASE FLOW	MEDIUM	56	WADING	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	WADEABLE/MID-DEPTH
BB010	BAKER BROOK - RPLBK17 - VRMP	8/14/2010	7:10 AM	N	BASE FLOW	MEDIUM	19	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	WADEABLE/MID-DEPTH
BB010	BAKER BROOK - RPLBK17 - VRMP	8/28/2010	6:30 AM	N	BASE FLOW	LOW	57	WADING	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	WADEABLE/MID-DEPTH
BB010	BAKER BROOK - RPLBK17 - VRMP	9/11/2010	6:15 AM	N	BASE FLOW	LOW	56	WADING	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RIFFLE		MEDIUM STAINED	DO METER NOT WORKING, SO USED KIT. WADEABLE/1.5 FT BELOW SURFACE
DB010	DITCH BROOK - RPL00 - VRMP	6/19/2010	6:02 AM	N	BASE FLOW	LOW	17.6	WADING	CLEAR, FOGGY	CALM	CLEAR, FOGGY	RUN		CLEAR	WADEABLE/MID-DEPTH
DB010	DITCH BROOK - RPL00 - VRMP	7/3/2010	6:01 AM	N	BASE FLOW	LOW	12	WADING	CLOUDY, PARTLY CLOUDY	CALM	PARTLY CLOUDY, MOSTLY CLOUDY	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
DB010	DITCH BROOK - RPL00 - VRMP	7/17/2010	6:08 AM	N	BASE FLOW	LOW		WADING	CLEAR, FOGGY		SHOWERS	RUN		CLEAR	WADEABLE/MID-DEPTH
DB010	DITCH BROOK - RPL00 - VRMP	7/31/2010	6:17 AM	N	BASE FLOW		13.3	WADING	CLEAR		CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
DB010	DITCH BROOK - RPL00 - VRMP	8/14/2010	7:53 AM	N	BASE FLOW	LOW	12	WADING	CLEAR		CLEAR	RIFFLE		CLEAR	NO CHAIN OF CUSTODY FOR LAB PARAMETERS WADEABLE/MID-DEPTH
DB010	DITCH BROOK - RPL00 - VRMP	8/28/2010	6:42 AM	N	BASE FLOW	LOW	10	WADING	CLEAR, FOGGY	CALM	CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
DB010	DITCH BROOK - RPL00 - VRMP	9/11/2010	6:45 AM	N	BASE FLOW	LOW	56	BANK	CLEAR	CALM		RIFFLE		CLEAR	SAMPLING SHOULD BE WITH EXTENSION POLE OR WADING, NOT FROM BANK WITH DIRECT PROBE. WADEABLE/MID-DEPTH
DG010	RLTNBDG20 - VRMP	7/17/2010	7:45 AM	N			75	WADING	CLEAR	CALM	CLEAR				THERE WAS NO OBSERVATIONAL DATA. NON-WADEABLE/MID-DEPTH
DG010	RLTNBDG20 - VRMP	7/17/2010	7:45 AM	D				WADING							THERE WAS NO OBSERVATIONAL DATA. NON-WADEABLE/MID-DEPTH
M010	MILL BROOK - RML01 - VRMP	6/19/2010	6:45 AM	N	BASE FLOW	MEDIUM	20	WADING	CLEAR	CALM	CLEAR	RUN		TURBID	DO CALIBRATION WAS HIGH - 111.4% SO DO VALUES NOT ACCEPTED WADEABLE/MID-DEPTH
M010	MILL BROOK - RML01 - VRMP	7/3/2010		N	BASE FLOW	LOW	65		CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	NO READINGS DUE TO METER MALFUNCTION.

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Flow	Stage	Air Temp. (DEG C)	Sample Location	Current Weather	Air Cond-ition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
M010	MILL BROOK - RML01 - VRMP	7/17/2010	7:15 AM	N	BASE FLOW	MEDIUM	23.7	WADING	CLEAR	CALM	SHOWERS	RUN		OPAQUE	WADEABLE/MID-DEPTH
M010	MILL BROOK - RML01 - VRMP	7/31/2010	8:00 AM	N	BASE FLOW	LOW	56	WADING	CLEAR	CALM	CLEAR	RUN		MILKY	E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
M010	MILL BROOK - RML01 - VRMP	7/31/2010	8:00 AM	D				WADING							E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
M010	MILL BROOK - RML01 - VRMP	8/14/2010	7:00 AM	N	BASE FLOW	MEDIUM	14.1	WADING	CLEAR	CALM	CLEAR	RUN		TURBID	E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
M010	MILL BROOK - RML01 - VRMP	8/14/2010	7:00 AM	D				WADING							E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
M010	MILL BROOK - RML01 - VRMP	8/28/2010	7:50 AM	N	BASE FLOW	LOW	56	WADING	CLEAR		CLEAR	RUN		MILKY	NO VERTICAL DEPTH RECORDED. IRON OXIDE LEAKING OUT OF BANK.
M010	MILL BROOK - RML01 - VRMP	9/11/2010	7:30 AM	N	BASE FLOW	LOW	14.3	WADING	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	WADEABLE/MID-DEPTH
M030	MILL BROOK - RML63 - VRMP	6/19/2010	7:15 AM	N	BASE FLOW	LOW	50	WADING	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	METER MALFUNCTION PROBABLE, SO DO READINGS NOT ACCEPTED; VERTICAL DEPTH AT 12"
M030	MILL BROOK - RML63 - VRMP	7/3/2010	6:35 AM	N	BASE FLOW	MEDIUM	53	WADING	PARTLY CLOUDY	CALM	CLEAR, PARTLY CLOUDY	RUN		CLEAR	WADEABLE/MID-DEPTH
M030	MILL BROOK - RML63 - VRMP	7/17/2010		N	BASE FLOW	MEDIUM	71	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	SAMPLE TIME NOT RECORDED, BUT APPEARS TO BE BEFORE 8AM DUE TO DATA FIELD SHEET TIME. WADEABLE/1.5 FT BELOW SURFACE
M030	MILL BROOK - RML63 - VRMP	7/31/2010	6:15 AM	N	BASE FLOW	MEDIUM	56	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	WADEABLE/MID-DEPTH
M030	MILL BROOK - RML63 - VRMP	8/14/2010	6:15 AM	N	BASE FLOW	MEDIUM	54	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	WADEABLE/MID-DEPTH
M030	MILL BROOK - RML63 - VRMP	8/28/2010	6:00 AM	N	BASE FLOW	MEDIUM	57	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
M030	MILL BROOK - RML63 - VRMP	8/28/2010	6:00 AM	D				WADING							E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
M030	MILL BROOK - RML63 - VRMP	9/11/2010	5:45 AM	N	BASE FLOW	LOW	56	WADING	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RIFFLE		CLEAR	DO METER NOT WORKING, SO USED KIT. WADEABLE/1.5 FT BELOW SURFACE
N010	NASON BROOK - RNS11 - VRMP	6/19/2010	7:16 AM	N	BASE FLOW	LOW	19.1	CULVERT	CLEAR, FOGGY	CALM	CLEAR, FOGGY	RUN		MEDIUM STAINED	WADEABLE/1.5 FT BELOW SURFACE
N010	NASON BROOK - RNS11 - VRMP	7/3/2010	6:22 AM	N	BASE FLOW	LOW	53	CULVERT	CLOUDY, PARTLY CLOUDY	CALM	PARTLY CLOUDY, LIGHT RAIN	RIFFLE		CLEAR	NON-WADEABLE/MID-DEPTH
N010	NASON BROOK - RNS11 - VRMP	7/3/2010	6:22 AM	D				CULVERT							NON-WADEABLE/MID-DEPTH
N010	NASON BROOK - RNS11 - VRMP	7/17/2010	6:30 AM	N	BASE FLOW	LOW	25.7	CULVERT	CLEAR, FOGGY		SHOWERS	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
N010	NASON BROOK - RNS11 - VRMP	7/31/2010	6:40 AM	N	BASE FLOW	LOW	13.3	CULVERT				RIFFLE		CLEAR	DID NOT COMPLETE LAB PARAMETERS TO BE SAMPLED PORTION OF DATASHEET. DID NOT COMPLETE SITE WEATHER. NON-WADEABLE/MID-DEPTH
N010	NASON BROOK - RNS11 - VRMP	8/14/2010	7:24 AM	N	BASE FLOW	LOW		CULVERT	CLEAR		CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
N010	NASON BROOK - RNS11 - VRMP	8/28/2010	7:07 AM	N	BASE FLOW	LOW	10	CULVERT	CLEAR, FOGGY	CALM	CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
N010	NASON BROOK - RNS11 - VRMP	9/11/2010	7:01 AM	N	BASE FLOW	LOW	56	CULVERT	CLEAR	CALM	MOSTLY CLOUDY	RIFFLE		CLEAR	E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Flow	Stage	Air Temp. (DEG C)	Sample Location	Current Weather	Air Cond-ition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
N010	NASON BROOK - RNS11 - VRMP	9/11/2010	7:01 AM	D				CULVERT							E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
PL040	PLEASANT RIVER - RPL47 - VRMP	6/19/2010	5:38 AM	N	BASE FLOW	LOW	17.6	WADING	CLEAR, FOGGY	CALM	CLEAR, FOGGY	RIFFLE		TURBID	WADEABLE/MID-DEPTH
PL040	PLEASANT RIVER - RPL47 - VRMP	7/3/2010	5:48 AM	N	BASE FLOW	LOW	12	WADING	CLOUDY, PARTLY CLOUDY	CALM	PARTLY CLOUDY, MOSTLY CLOUDY	RIFFLE		MEDIUM STAINED	WADEABLE/1.5 FT BELOW SURFACE
PL040	PLEASANT RIVER - RPL47 - VRMP	7/17/2010	5:57 AM	N	BASE FLOW	LOW		WADING	CLEAR, FOGGY		SHOWERS	RIFFLE		DARKLY STAINED	WADEABLE/MID-DEPTH
PL040	PLEASANT RIVER - RPL47 - VRMP	7/31/2010	6:04 AM	N	BASE FLOW		13.3	BANK	CLEAR		CLEAR	RIFFLE		DARKLY STAINED	SAMPLE LOCATION/APPROACH IS FROM STREAMBANK WITH DIRECT PROBE, BUT SUPPOSED TO BE EXTENSION POLE. DID COMPLETE LAB PARAMETERS TO BE SAMPLED PORTION OF THE DATASHEET. WADEABLE/MID-DEPTH
PL040	PLEASANT RIVER - RPL47 - VRMP	8/14/2010	6:15 AM	N	BASE FLOW	LOW	12	WADING	CLEAR		CLEAR	RIFFLE		DARKLY STAINED	NO CHAIN OF CUSTODY FOR LAB PARAMETERS WADEABLE/MID-DEPTH
PL040	PLEASANT RIVER - RPL47 - VRMP	8/28/2010	6:20 AM	N	BASE FLOW	LOW	10	WADING	CLEAR, FOGGY	CALM	CLEAR	RIFFLE		DARKLY STAINED	E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
PL040	PLEASANT RIVER - RPL47 - VRMP	8/28/2010	6:20 AM	D				WADING							E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
PL040	PLEASANT RIVER - RPL47 - VRMP	9/11/2010	6:32 AM	N	BASE FLOW	LOW	56	BANK	CLEAR	CALM	MOSTLY CLOUDY	RIFFLE		DARKLY STAINED	SAMPLING SHOULD BE WITH EXTENSION POLE, NOT FROM BANK WITH DIRECT PROBE. WADEABLE/MID-DEPTH
P140	PRESUMPSCOT RIVER - R - VRMP	7/3/2010	7:00 AM	N	BASE FLOW	LOW	53	BOAT	CLEAR, PARTLY CLOUDY		PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P140	PRESUMPSCOT RIVER - R - VRMP	7/17/2010	7:25 AM	N	BASE FLOW	LOW	73	BOAT	CLEAR	CALM	CLEAR, PARTLY CLOUDY, MOSTLY CLOUDY, SHOWERS	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P140	PRESUMPSCOT RIVER - R - VRMP	7/31/2010	7:35 AM	N	BASE FLOW	MEDIUM	48	BOAT	CLEAR	CALM	CLEAR, PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P140	PRESUMPSCOT RIVER - R - VRMP	8/14/2010	6:45 AM	N	BASE FLOW	MEDIUM		BOAT	CLEAR	CALM	CLEAR, PARTLY CLOUDY, FOGGY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P140	PRESUMPSCOT RIVER - R - VRMP	8/28/2010	7:20 AM	N	BASE FLOW	MEDIUM	57	BOAT	CLEAR	CALM	CLEAR, PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P140	PRESUMPSCOT RIVER - R - VRMP	8/28/2010	7:20 AM	D				BOAT							NON-WADEABLE/3 FT BELOW SURFACE
P140	PRESUMPSCOT RIVER - R - VRMP	9/11/2010		N					CLEAR	CALM	CLEAR, PARTLY CLOUDY, SHOWERS				TIME OF CALIBRATION WAS NOT RECORDED BECAUSE BATTERY WAS LOW. NO VALUES WERE RECORDED.
P140	PRESUMPSCOT RIVER - R - VRMP	9/11/2010		D											TIME OF CALIBRATION WAS NOT RECORDED BECAUSE BATTERY WAS LOW. NO VALUES WERE RECORDED.

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Flow	Stage	Air Temp. (DEG C)	Sample Location	Current Weather	Air Cond-ition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
P145	PRESUMPSCOT RIVER - R161 - VRMP	7/3/2010	7:20 AM	N	BASE FLOW	LOW	53	BOAT	CLEAR, PARTLY CLOUDY		PARTLY CLOUDY	RUN		CLEAR	TIER 1 SITE, SO SHOULD DO DO PROFILE WADEABLE/MID-DEPTH
P145	PRESUMPSCOT RIVER - R161 -	7/3/2010	7:20 AM	D				BOAT							TIER 1 SITE, SO SHOULD DO DO PROFILE WADEABLE/MID-DEPTH
P145	PRESUMPSCOT RIVER - R161 - VRMP	7/17/2010	7:10 AM	N	BASE FLOW	LOW	73	BOAT	CLEAR	CALM	CLEAR, PARTLY CLOUDY, MOSTLY CLOUDY, SHOWERS	RUN		CLEAR	TIER 1 SITE, SO SHOULD DO DO PROFILE NON-WADEABLE/3 FT BELOW SURFACE
P145	PRESUMPSCOT RIVER - R161 - VRMP	7/31/2010	7:15 AM	N	BASE FLOW	MEDIUM	48	BOAT	CLEAR	CALM	CLEAR, PARTLY CLOUDY	RUN		CLEAR	TIER 1 SITE, SO SHOULD DO DO PROFILE NON-WADEABLE/3 FT BELOW SURFACE
P145	PRESUMPSCOT RIVER - R161 - VRMP	8/14/2010	6:50 AM	N	BASE FLOW	MEDIUM		BOAT	CLEAR	CALM	CLEAR, PARTLY CLOUDY,	RUN		CLEAR	TIER 1 SITE, SO SHOULD DO DO PROFILE NON-WADEABLE/MID-DEPTH
P145	PRESUMPSCOT RIVER - R161 - VRMP	8/28/2010	7:10 AM	N	BASE FLOW	MEDIUM	57	BOAT	CLEAR	CALM	CLEAR, PARTLY CLOUDY	RUN		CLEAR	TIER 1 SITE, SO SHOULD DO DO PROFILE NON-WADEABLE/3 FT BELOW SURFACE
P145	PRESUMPSCOT RIVER - R161 - VRMP	8/28/2010	7:10 AM	D				BOAT							TIER 1 SITE, SO SHOULD DO DO PROFILE NON-WADEABLE/3 FT BELOW SURFACE
P145	PRESUMPSCOT RIVER - R161 - VRMP	9/11/2010		N		MEDIUM			CLEAR	CALM	CLEAR, PARTLY CLOUDY, SHOWERS	RUN		CLEAR	METER BATTERIES WERE LOW, SO NO DO VALUES WERE RECORDED.
P020	PRESUMPSCOT RIVER - R24 - VRMP	6/19/2010	5:40 AM	N	BASE FLOW	MEDIUM	20	BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	DO CALIBRATION WAS HIGH - 111.4% SO DO VALUES NOT ACCEPTED
P020	PRESUMPSCOT RIVER - R24 -	6/19/2010	5:40 AM	D				BRIDGE							DO CALIBRATION WAS HIGH - 111.4% SO DO VALUES NOT ACCEPTED
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/3/2010	7:15 AM	N	BASE FLOW	LOW	65	BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	CHANNEL DEPTH 7.8M BUT ONLY DID 2M DEPTH PROFILE NON-WADEABLE/3 FT BELOW SURFACE
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/3/2010	7:15 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	CHANNEL DEPTH 7.8M BUT ONLY DID 2M DEPTH PROFILE NON-WADEABLE/3 FT BELOW SURFACE
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/3/2010	7:15 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	CHANNEL DEPTH 7.8M BUT ONLY DID 2M DEPTH PROFILE NON-WADEABLE/3 FT BELOW SURFACE
P020	PRESUMPSCOT RIVER - R24 - VRMP	7/3/2010	7:15 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	CHANNEL DEPTH 7.8M BUT ONLY DID 2M DEPTH PROFILE NON-WADEABLE/3 FT BELOW SURFACE
P020	RIVER - R24 - VRMP	7/17/2010	6:30 AM	N	BASE FLOW	MEDIUM	23.7	BRIDGE	CLEAR	CALM	SHOWERS	RUN		MEDIUM STAINED	
P020	PRESUMPSCOT RIVER - R24 -	7/17/2010	6:30 AM	N	BASE FLOW	MEDIUM		BRIDGE	CLEAR	CALM	SHOWERS	RUN		MEDIUM STAINED	
P020	PRESUMPSCOT RIVER - R24 -	7/17/2010	6:30 AM	N	BASE FLOW	MEDIUM		BRIDGE	CLEAR	CALM	SHOWERS	RUN		MEDIUM STAINED	
P020	PRESUMPSCOT RIVER - R24 -	7/17/2010	6:30 AM	N	BASE FLOW	MEDIUM		BRIDGE	CLEAR	CALM	SHOWERS	RUN		MEDIUM STAINED	
P020	RIVER - R24 - VRMP	7/31/2010	7:10 AM	N	BASE FLOW	LOW	56	BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Flow	Stage	Air Temp. (DEG C)	Sample Location	Current Weather	Air Cond-ition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
P020	PRESUMPSCOT RIVER - R24 -	7/31/2010	7:10 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
P020	RIVER - R24 - VRMP	7/31/2010	7:10 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
P020	RIVER - R24 - VRMP	7/31/2010	7:10 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
P020	RIVER - R24 - VRMP	8/14/2010	6:05 AM	N	BASE FLOW	MEDIUM	14.1		CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
P020	RIVER - R24 - VRMP	8/14/2010	6:05 AM	N	BASE FLOW	MEDIUM		BRIDGE	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
P020	RIVER - R24 - VRMP	8/14/2010	6:05 AM	N	BASE FLOW	MEDIUM		BRIDGE	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
P020	RIVER - R24 - VRMP	8/28/2010	7:10 AM	N	BASE FLOW	LOW	56	BRIDGE	CLEAR		CLEAR	RUN		MILKY	
P020	PRESUMPSCOT RIVER - R24 -	8/28/2010	7:10 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR		CLEAR	RUN		MILKY	
P020	PRESUMPSCOT RIVER - R24 -	8/28/2010	7:10 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR		CLEAR	RUN		MILKY	
P020	RIVER - R24 - VRMP	9/11/2010	6:45 AM	N	BASE FLOW	MEDIUM	14.3	BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	
P020	RIVER - R24 - VRMP	9/11/2010	6:45 AM	N	BASE FLOW	MEDIUM		BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	
P020	PRESUMPSCOT RIVER - R24 -	9/11/2010	6:45 AM	N	BASE FLOW	MEDIUM		BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	
TA010	TANNERY BROOK - RLTTN06 - VRMP	8/14/2010	7:55 AM	N	BASE FLOW	MEDIUM	19	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	WADEABLE/MID-DEPTH
Presumpscot River - Presumpscot River Watch (Non Approved Sites)															
PI010	PISCATAQUA RIVER - RPSEB05 -	8/14/2010	8:05 AM	N	BASE FLOW	LOW	62	WADING	CLEAR	CALM	CLEAR	RIFFLE		MILKY	NON-WADEABLE/MID-DEPTH
PI010	EAST BRANCH PISCATAQUA	8/28/2010	6:35 AM	N	BASE FLOW	LOW	56	WADING	CLEAR	CALM	CLEAR	RIFFLE		MILKY	WADEABLE/MID-DEPTH
PI010	EAST BRANCH PISCATAQUA	8/28/2010	6:35 AM	D				WADING							WADEABLE/MID-DEPTH
PI010	PISCATAQUA RIVER - RPSEB05 -	9/11/2010	7:30 AM	N	BASE FLOW	LOW	56	WADING	CLEAR	CALM	CLEAR	RIFFLE		MILKY	NON-WADEABLE/MID-DEPTH
L010	LITTLE RIVER - RLT08 - PRW	7/17/2010	7:50 AM	N	BASE FLOW	MEDIUM		BANK	CLEAR	CALM	CLEAR, SHOWERS, HEAVY RAIN	RUN		MEDIUM STAINED	SAMPLE APPROACH WAS FROM BANK WITH EXTENSION POLE, BUT SUPPOSED TO BE FROM BRIDGE. DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/3 FT BELOW SURFACE
L010	LITTLE RIVER - RLT08 - PRW	7/17/2010	7:50 AM	D				BANK							SAMPLE APPROACH WAS FROM BANK WITH EXTENSION POLE, BUT SUPPOSED TO BE FROM BRIDGE. DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/3 FT BELOW SURFACE
L010	LITTLE RIVER - RLT08 - PRW	8/14/2010	7:40 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR	RUN		MILKY	TIME OF METER TURNED ON AND CALIBRATED WAS NOT RECORDED. NON-WADEABLE/3 FT BELOW SURFACE
L010	LITTLE RIVER - RLT08 - PRW	8/28/2010	7:32 AM	N	BASE FLOW	MEDIUM		BANK	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RUN		MILKY	E. COLI DUPLICATE IS LAB DUPLICATE; SAMPLING SHOULD BE FROM BRIDGE/CULVERT - NON-APPROVED SITE. NON-WADEABLE/3 FT BELOW SURFACE

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Flow	Stage	Air Temp. (DEG C)	Sample Location	Current Weather	Air Cond-ition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
L010	LITTLE RIVER - RLT08 - PRW	8/28/2010	7:32 AM	D				BANK							E. COLI DUPLICATE IS LAB DUPLICATE; SAMPLING SHOULD BE FROM BRIDGE/CULVERT - NON-APPROVED SITE. NON-WADEABLE/3 FT BELOW SURFACE
L010	LITTLE RIVER - RLT08 - PRW	9/11/2010	7:22 AM	N	BASE FLOW	MEDIUM	56	BANK	CLEAR	CALM	CLEAR	RUN		MILKY	NON-WADEABLE/3 FT BELOW SURFACE
L020	LITTLE RIVER - RLT15 - PRW	7/17/2010	7:25 AM	N	BASE FLOW	LOW		WADING	CLEAR	CALM	SHOWERS, HEAVY RAIN	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/MID-DEPTH
L020	LITTLE RIVER - RLT15 - PRW	8/14/2010	7:28 AM	N	BASE FLOW	LOW		WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	TIME OF METER TURNED ON AND CALIBRATED WAS NOT RECORDED. WADEABLE/MID-DEPTH
L020	LITTLE RIVER - RLT15 - PRW	8/28/2010	7:10 AM	N	BASE FLOW	MEDIUM		WADING	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RUN		CLEAR	WADEABLE/MID-DEPTH
L020	LITTLE RIVER - RLT15 - PRW	9/11/2010	7:05 AM	N	BASE FLOW	MEDIUM	56	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	WADEABLE/MID-DEPTH
PI020	RIVER - RPS12 - PRW	8/14/2010	7:55 AM	N	BASE FLOW	LOW	62	WADING	CLEAR	CALM	CLEAR	CASCADE		CLEAR	NON-WADEABLE/MID-DEPTH
PI020	RIVER - RPS12 - PRW	8/28/2010	6:45 AM	N	BASE FLOW	LOW	56	WADING	CLEAR	CALM	CLEAR	RUN		MILKY	WADEABLE/MID-DEPTH
PI020	RIVER - RPS12 - PRW	9/11/2010	7:41 AM	N	BASE FLOW	LOW	56	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
PI020	RIVER - RPS12 - PRW	9/11/2010	7:41 AM	D				WADING							NON-WADEABLE/MID-DEPTH
PL010	PLEASANT RIVER - RPL06 - PRW	6/19/2010	7:00 AM	N	BASE FLOW	MEDIUM	16	BRIDGE	CLEAR	CALM	CLEAR	RUN			NON-WADEABLE/3 FT BELOW SURFACE
PL010	PLEASANT RIVER - RPL06 - PRW	7/3/2010	8:07 AM	N	BASE FLOW	MEDIUM	53	BRIDGE	PARTLY CLOUDY	CALM	CLEAR	RIFFLE		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
PL010	PLEASANT RIVER - RPL06 - PRW	7/17/2010	7:02 AM	N	BASE FLOW	MEDIUM		BRIDGE	CLEAR		PARTLY CLOUDY	RIFFLE		DARKLY STAINED	NON-WADEABLE/3 FT BELOW SURFACE
PL010	PLEASANT RIVER - RPL06 - PRW	8/14/2010	7:10 AM	N	BASE FLOW	LOW		BRIDGE	CLEAR	CALM	CLEAR, PARTLY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
PL010	PLEASANT RIVER - RPL06 - PRW	8/28/2010	7:02 AM	N	BASE FLOW	MEDIUM		BRIDGE	CLEAR		PARTLY CLOUDY	RIFFLE		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
PL010	PLEASANT RIVER - RPL06 - PRW	9/11/2010		N	BASE FLOW	LOW	56		PARTLY CLOUDY	CALM	PARTLY CLOUDY	RIFFLE			AT THE TIME OF CALIBRATION THE METER DID NOT WORK. NO VALUES WERE RECORDED.
PL020	PLEASANT RIVER - RPL29 - PRW	6/19/2010	7:20 AM	N	BASE FLOW	LOW	16	BANK	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	SAMPLE LOCATION/APPROACH IS FROM STREAMBANK, BUT SUPPOSED TO BE WADING OR EXTENSION POLE WADEABLE/MID-DEPTH
PL020	PLEASANT RIVER - RPL29 - PRW	7/3/2010	8:24 AM	N	BASE FLOW	MEDIUM	53	BANK	PARTLY CLOUDY	CALM	CLEAR	RUN		CLEAR	SAMPLE LOCATION/APPROACH IS FROM STREAMBANK, BUT SUPPOSED TO BE WADING OR EXTENSION POLE NON-WADEABLE/MID-DEPTH
PL020	PLEASANT RIVER - RPL29 - PRW	7/17/2010	7:35 AM	N	BASE FLOW	LOW		BANK	CLEAR		PARTLY CLOUDY	RUN		CLEAR	SAMPLE LOCATION/APPROACH IS FROM STREAMBANK, BUT SUPPOSED TO BE WADING OR EXTENSION POLE NON-WADEABLE/MID-DEPTH
PL020	PLEASANT RIVER - RPL29 - PRW	8/14/2010	7:30 AM	N	BASE FLOW	LOW		BANK	CLEAR	CALM	PARTLY CLOUDY, FOGGY	RIFFLE		CLEAR	SAMPLING SHOULD BE WADING OR EXTENSION POLE - THIS IS A NON-APPROVED SITE. WADEABLE/1.5 FT BELOW SURFACE
PL020	PLEASANT RIVER - RPL29 - PRW	8/28/2010	7:19 AM	N	BASE FLOW	MEDIUM		BANK	CLEAR		PARTLY CLOUDY	RUN		CLEAR	SAMPLING SHOULD BE WADING OR EXTENSION POLE - THIS IS A NON-APPROVED SITE. NON-WADEABLE/MID-DEPTH
PL020	PLEASANT RIVER - RPL29 - PRW	9/11/2010		N	BASE FLOW	LOW	56		PARTLY CLOUDY	CALM	PARTLY CLOUDY	RIFFLE			AT THE TIME OF CALIBRATION THE METER DID NOT WORK. NO VALUES WERE RECORDED.

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Flow	Stage	Air Temp. (DEG C)	Sample Location	Current Weather	Air Cond-ition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
PL030	PLEASANT RIVER - RPL37 - PRW	6/19/2010	7:40 AM	N	BASE FLOW	LOW	16	BANK	CLEAR	CALM	CLEAR	RUN		CLEAR	SAMPLE LOCATION/APPROACH IS FROM STREAMBANK, BUT SUPPOSED TO BE WADING OR EXTENSION POLE WADEABLE/MID-DEPTH
PL030	PLEASANT RIVER - RPL37 - PRW	7/3/2010	8:37 AM	N	BASE FLOW	LOW	53	BANK	PARTLY CLOUDY	CALM	CLEAR	RUN		CLEAR	SAMPLE LOCATION/APPROACH IS FROM STREAMBANK, BUT SUPPOSED TO BE WADING OR EXTENSION POLE NON-WADEABLE/MID-DEPTH
PL030	PLEASANT RIVER - RPL37 - PRW	7/17/2010	7:25 AM	N	BASE FLOW	LOW		BANK	CLEAR		PARTLY CLOUDY	RUN		CLEAR	SAMPLE LOCATION/APPROACH IS FROM STREAMBANK, BUT SUPPOSED TO BE WADING OR EXTENSION POLE NON-WADEABLE/MID-DEPTH
PL030	PLEASANT RIVER - RPL37 - PRW	8/14/2010	7:50 AM	N	BASE FLOW	LOW		BANK	CLEAR	CALM	CLEAR, PARTLY CLOUDY, FOGGY	RIFFLE		CLEAR	SAMPLING SHOULD BE WADING OR EXTENSION POLE - THIS IS A NON-APPROVED SITE. WADEABLE/1.5 FT BELOW SURFACE
PL030	PLEASANT RIVER - RPL37 - PRW	8/28/2010	7:29 AM	N	BASE FLOW	MEDIUM		BANK	CLEAR		PARTLY CLOUDY	RIFFLE		CLEAR	SAMPLING SHOULD BE WADING OR EXTENSION POLE - THIS IS A NON-APPROVED SITE. NON-WADEABLE/MID-DEPTH
PL030	PLEASANT RIVER - RPL37 - PRW	9/11/2010		N	BASE FLOW	LOW	56		PARTLY CLOUDY	CALM	PARTLY CLOUDY	RIFFLE			AT THE TIME OF CALIBRATION THE METER DID NOT WORK. NO VALUES WERE RECORDED.
P080	RIVER - R126 - PRW	7/3/2010	7:10 AM	N	BASE FLOW	MEDIUM	53	WADING	CLEAR	CALM	CLEAR				NON-WADEABLE/MID-DEPTH
P080	PRESUMPSCOT RIVER - R126 - PRW	7/17/2010	6:45 AM	N	BASE FLOW	LOW		BANK	CLEAR		CLEAR	RUN		CLEAR	SAMPLE FROM BANK, BUT SHOULD BE WADING? SAMPLE TIME ESTIMATED BASED ON DATA SHEET START AND END TIME. LAB PARAMETERS PORTION OF FIELD SHEET ONLY PARTIALLY COMPLETED. NON-WADEABLE/MID-DEPTH
P089	RIVER - R129 - PRW	7/3/2010	7:01 AM	N	BASE FLOW	MEDIUM	53	WADING	CLEAR	CALM	CLEAR				NON-WADEABLE/MID-DEPTH
P089	PRESUMPSCOT RIVER - R129 - PRW	7/17/2010	7:00 AM	N	BASE FLOW	LOW		BANK	CLEAR		CLEAR	RUN		CLEAR	SAMPLE FROM BANK, BUT SHOULD BE WADING? SAMPLE TIME ESTIMATED BASED ON DATA SHEET START AND END TIME. LAB PARAMETERS PORTION OF FIELD SHEET ONLY PARTIALLY COMPLETED. NON-WADEABLE/MID-DEPTH
P135	PRESUMPSCOT RIVER - R157 - PRW	7/3/2010	7:18 AM	N	BASE FLOW	LOW	53	WADING	CLOUDY, PARTLY CLOUDY	CALM	PARTLY CLOUDY, LIGHT RAIN	RIFFLE		CLEAR	NON-WADEABLE/MID-DEPTH
P135	PRESUMPSCOT RIVER - R157 - PRW	7/17/2010	7:13 AM	N	BASE FLOW	LOW	25.7	WADING	CLEAR, FOGGY		SHOWERS	RIFFLE		CLEAR	DO % SATURATION APPEARS HIGH WADEABLE/MID-DEPTH
P135	PRESUMPSCOT RIVER - R157 - PRW	7/31/2010	6:56 AM	N	BASE FLOW	LOW	13.3	WADING				RIFFLE		CLEAR	DID NOT COMPLETE LAB PARAMETERS TO BE SAMPLED PORTION OF DATASHEET. DID NOT COMPLETE SITE WEATHER. WADEABLE/MID-DEPTH
P135	RIVER - R157 - PRW	8/14/2010	7:09 AM	N	BASE FLOW	LOW		WADING	CLEAR		CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
P135	RIVER - R157 - PRW	8/28/2010	7:17 AM	N	BASE FLOW	LOW	10	WADING	CLEAR, FOGGY	CALM	CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
P135	RIVER - R157 - PRW	9/11/2010	7:35 AM	N	BASE FLOW	LOW	56	WADING	CLEAR	CALM	MOSTLY CLOUDY	RIFFLE		CLEAR	WADEABLE/MID-DEPTH

Organization Site Code	VRMP Site ID	Date	Time	Sample Type Qualifier	Flow	Stage	Air Temp. (DEG C)	Sample Location	Current Weather	Air Cond-ition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
P150	PRESUMPSCOT RIVER - R166 - PRW	6/19/2010	7:08 AM	N	BASE FLOW	MEDIUM	60	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	TIER 1 SITE, BUT NO D.O. PROFILE WADEABLE/1.5 FT BELOW SURFACE
P150	RIVER - R166 - PRW	7/17/2010	6:55 AM	N	BASE FLOW	MEDIUM	69	BANK	CLEAR	BREEZE	PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P150	RIVER - R166 - PRW	7/31/2010	6:40 AM	N	BASE FLOW	MEDIUM	50	WADING	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
P150	RIVER - R166 - PRW	8/14/2010	6:40 AM	N	BASE FLOW	MEDIUM	52	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P160	PRESUMPSCOT RIVER - R195 - PRW	6/19/2010	6:39 AM	N	BASE FLOW	MEDIUM	60	BOAT	CLEAR	CALM	CLEAR	RUN		CLEAR	TIER 1 SITE, BUT NO D.O. PROFILE NON-WADEABLE/3 FT BELOW SURFACE
P160	RIVER - R195 - PRW	7/17/2010	6:27 AM	N	BASE FLOW	MEDIUM	69	BOAT	CLEAR	BREEZE	PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P160	RIVER - R195 - PRW	7/31/2010	6:14 AM	N	BASE FLOW	MEDIUM	50	BRIDGE	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
P160	RIVER - R195 - PRW	8/14/2010	6:12 AM	N	BASE FLOW	MEDIUM	52	BOAT	CLEAR	CALM	CLEAR	RUN		CLEAR	TIME OF CALIBRATION WAS NOT RECORDED. NON-WADEABLE/3 FT BELOW SURFACE
P170	PRESUMPSCOT RIVER - R202 - PRW	6/19/2010	6:22 AM	N	BASE FLOW	MEDIUM	60	BOAT	CLEAR	CALM	CLEAR	RUN		CLEAR	TIER 1 SITE, BUT NO D.O. PROFILE NON-WADEABLE/MID-DEPTH
P170	RIVER - R202 - PRW	7/17/2010	6:08 AM	N	BASE FLOW	MEDIUM	69	BOAT	CLEAR	BREEZE	PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P170	RIVER - R202 - PRW	7/17/2010	6:08 AM	D				BOAT							NON-WADEABLE/3 FT BELOW SURFACE
P170	RIVER - R202 - PRW	7/31/2010	5:57 AM	N	BASE FLOW	MEDIUM	50	BRIDGE	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
P170	RIVER - R202 - PRW	7/31/2010	5:57 AM	D				BRIDGE							E. COLI DUPLICATE IS LAB DUPLICATE WADEABLE/MID-DEPTH
P170	RIVER - R202 - PRW	8/14/2010	5:55 AM	N	BASE FLOW	MEDIUM	52	BRIDGE	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
P200	PRESUMPSCOT RIVER - R225 - PRW	7/3/2010	7:36 AM	N	BASE FLOW	MEDIUM	53	WADING	PARTLY CLOUDY	CALM	CLEAR, PARTLY CLOUDY	RUN		CLEAR	WADEABLE/MID-DEPTH
P200	PRESUMPSCOT RIVER - R225 - PRW	7/17/2010		N	BASE FLOW	MEDIUM	71	WADING	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	SAMPLE TIME NOT RECORDED, BUT APPEARS TO BE BEFORE 8AM DUE TO DATA FIELD SHEET TIME. DO SAMPLE APPROACH SHOULD BE WITH EXTENSION POLE AND PROBE. WADEABLE/1.5 FT BELOW SURFACE
P200	RIVER - R225 - PRW	7/31/2010	6:55 AM	N	BASE FLOW	MEDIUM	56	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	WADEABLE/MID-DEPTH
P200	RIVER - R225 - PRW	8/14/2010	6:58 AM	N	BASE FLOW	MEDIUM	54	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	WADEABLE/MID-DEPTH
P200	RIVER - R225 - PRW	8/28/2010	6:50 AM	N	BASE FLOW	LOW	57	WADING	CLEAR	CALM	CLEAR	RUN		CLEAR	WADEABLE/MID-DEPTH
P200	RIVER - R225 - PRW	9/11/2010	6:40 AM	N	BASE FLOW	LOW	56	WADING	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RUN		CLEAR	DO METER NOT WORKING, SO USED KIT. WADEABLE/1.5 FT BELOW SURFACE