

Section 5-4 Mousam River (Mousam and Kennebunk Rivers Alliance)

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

Overview

The Mousam and Kennebunk Rivers Alliance began in 2009 with assistance from the Wells National Estuarine Research Reserve (NERR) and Maine Rivers, for the purpose of monitoring the Kennebunk and Mousam rivers. The Mousam River is located in York County and originates at Square Pond in Shapleigh and Acton, Maine. The river is 23 miles long and flows from Mousam Lake in Shapleigh and enters the Gulf of Maine in Kennebunk. Water quality in the Mousam River was impacted historically by industrial and commercial use related to mills in the towns of Sanford and Kennebunk (Baker, 1999). Today, water quality impacts are caused in large part by stormwater runoff associated with increasing development of the watershed and high levels of impervious surfaces in the town centers of Sanford and Kennebunk. Water quality is also impacted by several point source discharges to the main stem. In addition, the industrial legacy of the ten dams on the main stem of the river may also contribute to degraded water quality. According to Maine's statutory Water Classification System, the Mousam River Basin has designations listed below.¹ Below head of tide, the river is Class SB.

A. Mousam River, main stem.

- (1) From the outlet of Mousam Lake to a point located 0.5 miles above Mill Street in Springvale – Class B.
- (2) From a point located 0.5 mile above Mill Street in Springvale to its confluence with Estes Lake – Class C.
- (3) From the outlet of Estes Lake to tidewater – Class B.

B. Mousam River, tributaries – Class B.

It was identified in a 2001 TMDL report that a 3.7 mile segment of the Mousam River, located from the Route 4 bridge to Estes Lake, is not attaining Class C standards due to dissolved oxygen concentration. This segment is included on Maine's 303(d) list for both point and nonpoint sources. Listing essentially means that the segment has been identified as needing and is targeted for remediation.

The overall purpose of monitoring is to assess water quality data to determine whether the river is meeting water quality classification standards. The Mousam River Sampling and Analysis Plan states that the objectives of monitoring are to (1) develop baseline data for expanded long term water quality monitoring efforts; (2) provide information on current watershed conditions and (3) identify areas with degraded water quality to focus best management practices. Two sites were added in 2010 to bracket upstream and downstream of the sewage outfall in Sanford.

¹ <http://www.mainelegislature.org/legis/statutes/38/title38sec467.html>

Methods

The volunteers monitored the Mousam River in 2010 at ten stations on the main stem, from the headwaters to the estuary. Three of the stations [MOUR-06, MOUR-07 and MOUR-08] are below head of tide. There are also three sites on the Middle Branch of the Mousam River and Littlefield River. All but one of the Mousam River sites are VRMP approved sites- the one non approved site is MOUR-04. Table 1 provides a list of the sites and Figures 1A-1D are maps of the sampling site locations.

Table 1: Sampling Sites

VRMP Site ID	Organization Site Code	Sample Location	Class
Mousam River-SMU290-VRMP	MOUR-01	Headwaters	B
Mousam River-SMU280-VRMP	MOUR-02	S Curve Road	B
Mousam River-SMU144-VRMP	MOUR-03	Whicher's Hill Road	B
Mousam River-SMU80-KMA	MOUR-04	Mill Street	B
Mousam River-SMU39-VRMP	MOUR-05	Berry Ct.	B
Mousam River-SMU35-VRMP	MOUR-06	Roger's Pond	SB
Mousam River-SMU04-VRMP	MOUR-07	Route 9 Bridge	SB
Back Creek-SMUBC02-VRMP	MOUR-08	Above Parson's Beach	SB
Mousam River-SMU163-VRMP	MOUR-09	Route 4	C
Mousam River-SMU204-VRMP	MOUR-10	New Dam Road	C
Littlefield River-SMUMBLR18-VRMP	LR-01	Back Road	B
Middle Branch Mousam River-SMUMB58-VRMP	MOUSMB-01	Mast Road	B
Middle Branch Mousam River-SMUMB33-VRMP	MOUSMB-02	Swett's Bridge	B

Monitoring was conducted from June through September 1-2 times per month. At each site, the monitors made direct measurements of water temperature and dissolved oxygen using a handheld YSI 550A meter. Conductivity was directly measured at the freshwater sites using an Oakton EC 11+ Testr conductivity pen. Samples were collected for E. Coli bacteria at all the freshwater sites, except for the two headwater sites. Samples for Enterococcus bacteria were collected at two of the sites below head of tide. Bacteria samples were transported to Nelson Labs for analysis.

Figure 1A: Map of All Sampling Sites

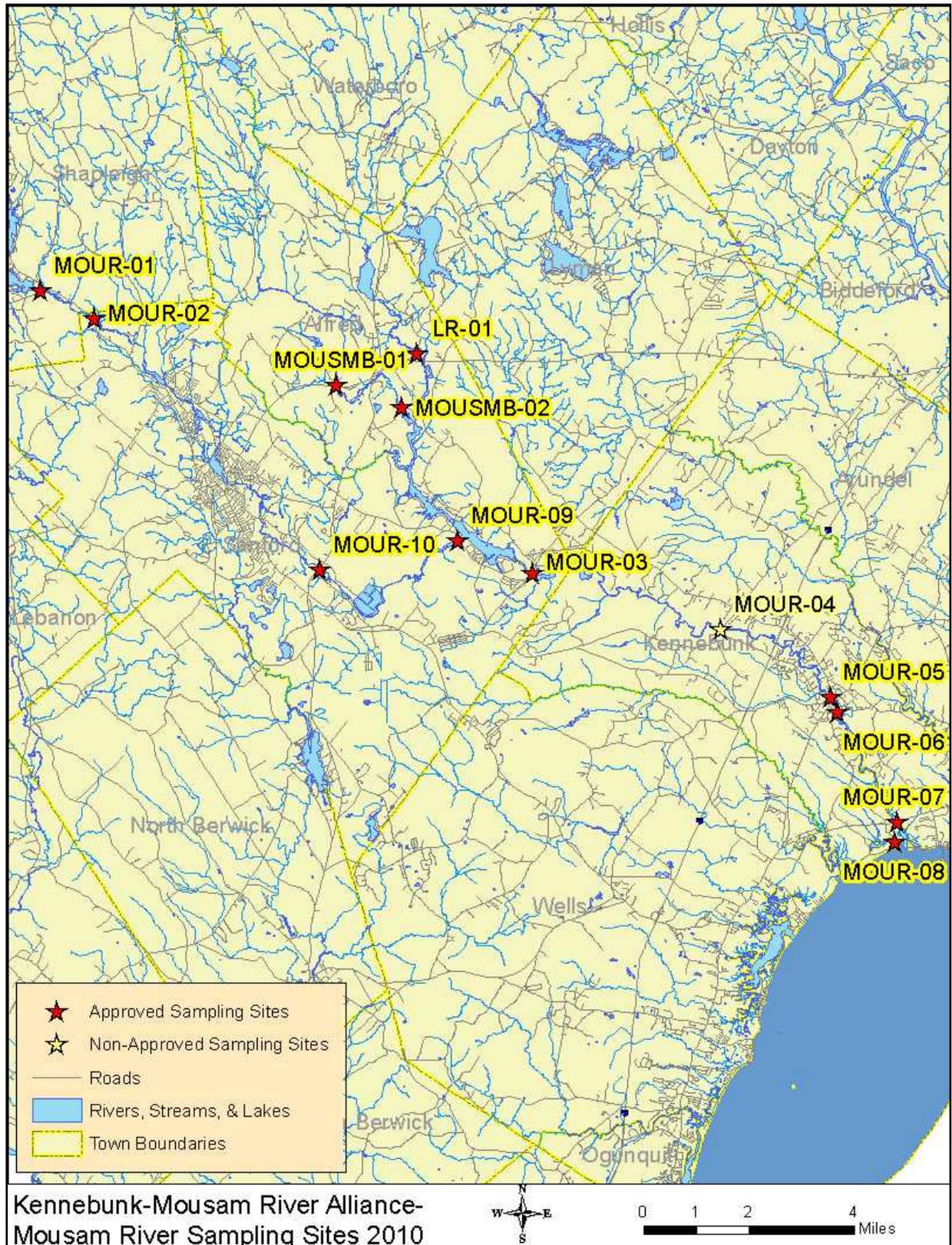


Figure 1B: Map of Western Sampling Sites

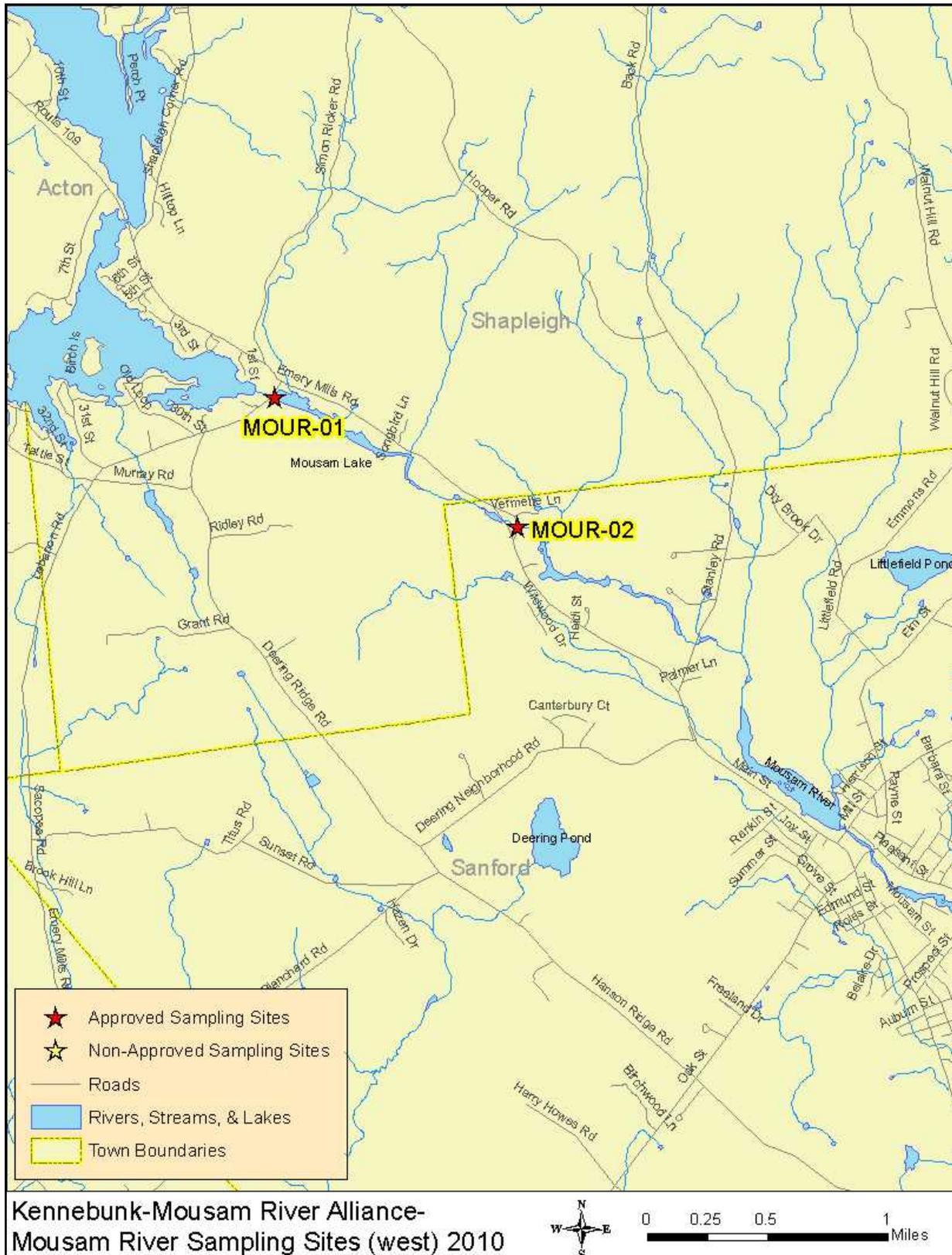


Figure 1C: Map of Central Sampling Sites

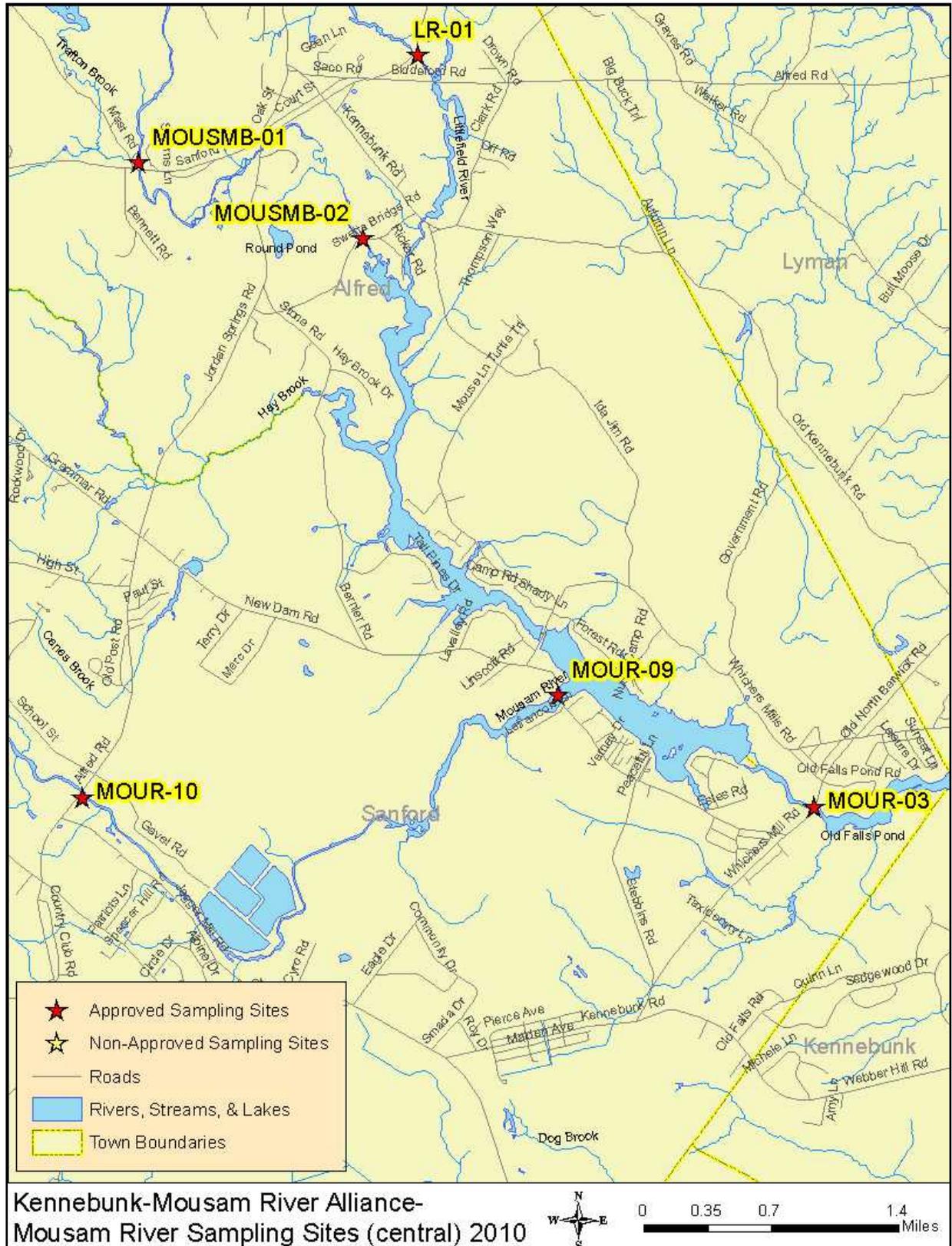


Figure 1D: Map of Eastern Sampling Sites



Results

For the purpose of discussion, the sampling stations were divided into upper (MOUR-01, MOUR-02, MOUR-09, MOUR-10), middle (MOUR-03, MOUR-04, MOUR-05), tidal (MOUR-06, MOUR-07, MOUR-08) and upper branches (MOUSMB-01, MOUSMB-02, LR-01).

Dissolved Oxygen

Dissolved oxygen was measured 2-8 times at each of the thirteen sampling sites. Monitoring occurred from June through September. Class B criteria for dissolved oxygen are a minimum of 7 mg/l (milligrams/liter) 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. Class SB standards are 85% saturation. Table 2 and Table 3 provide a summary of dissolved oxygen concentration and % saturation for each site including minimum, maximum and average values.

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

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Average Value
MOUR-01	Y	8	7.5	8.7	8.0
MOUR-02	Y	8	7.7	8.8	8.2
MOUR-03	Y	7	7.2	9.3	8.1
MOUR-04	N	8	7.2	8.8	7.8
MOUR-05	Y	8	6.6	8.9	7.6
MOUR-06	Y	8	8.1	9.9	8.8
MOUR-07	Y	8	8.8	13.1	10.2
MOUR-08	Y	7	9.1	13.1	10.3
MOUR-09	Y	7	6.5	9.5	7.8
MOUR-10	Y	7	6.2	8.6	7.8
LR-01	Y	2	5.0	8.1	6.5
MOUSMB-01	Y	7	6.3	8.5	7.5
MOUSMB-02	Y	7	7.0	8.8	7.6

Table 3: Dissolved Oxygen Saturation (%) Summary

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Average Value
MOUR-01	Y	8	92	94	94
MOUR-02	Y	8	91	96	94
MOUR-03	Y	7	83	101	93
MOUR-04	N	8	79	106	92
MOUR-05	Y	8	84	98	90
MOUR-06	Y	8	98	105	101
MOUR-07	Y	8	89	125	110
MOUR-08	Y	7	98	125	109
MOUR-09	Y	7	76	111	90
MOUR-10	Y	7	79	106	92
LR-01	Y	2	58	90	74
MOUSMB-01	Y	7	71	93	83
MOUSMB-02	Y	7	76	85	81

In the upper part of the Mousam River main stem (Sites MOUR-01, MOUR-02, MOUR-09, MOUR-10), dissolved oxygen concentrations ranged from 6.2-9.5 mg/l. Sites MOUR-01 and MOUR-02 were similar with lowest values occurring between late July and late August. Dissolved oxygen never dropped below the Class B standard of 7.0 mg/l. Site MOUR-09 had lowest values between mid-July and late August. This site had a wider range of values, but did not drop below the Class C standard. Site MOUR-10 had lowest values in July, but did not drop below the Class C standard. Dissolved oxygen percent saturation ranged from 76-111%. It did not go below the Class B or C standard for any of these sites.

In the middle part of the Mousam River main stem (Sites MOUR-03, MOUR-04, MOUR-05), dissolved oxygen ranged from 6.6-9.3 mg/l. Site MOUR-03 had the lowest values in July. Sites MOUR-04 and MOUR-05 were similar in that values went up and down throughout the season. Dissolved oxygen dropped below the Class B standard on 1 date (mid-July) at site MOUR-04 and on 2 dates (mid-July and mid-August) at site MOUR-05. Dissolved oxygen percent saturation ranged from 79-106%. It did not drop below the Class B standard for any of these sites.

For the tidal sites (MOUR-06, MOUR-07, MOUR-08), dissolved oxygen ranged from 8.1-13.1 mg/l. Lowest values occurred from late June to mid-August at site MOUR-06 and from mid-July to mid-August at sites MOUR-07 and MOUR-08. Dissolved oxygen did not drop below the Class SB standard of 85% saturation for any of these sites.

For the upper branch (Sites MOUSMB-01, MOUSMB-02, LR-01), dissolved oxygen ranged from 5.0 mg/l -8.8 mg/l. At site MOUSMB-01, lowest values occurred from late July to late August. Dissolved oxygen dropped below the Class B standard on one date in mid-August. At site MOUSMB-02, values were lowest from early July to late August ranging from 7.0-7.5 mg/l. Site LR-01 was sampled only 2 times, but one date in early July was 5.0 mg/l. Dissolved oxygen saturation for these sites ranged from 58-93%. It dropped below the Class B standard of 75% on one date in mid-July at site MOUSMB-01 and one date in early July at Site LR-01.

All the monitoring occurred between mid-morning and late afternoon. Afternoon is the time of day when plant photosynthesis peaks and dissolved oxygen is at the highest level during any 24 hour period. Early morning monitoring may have provided even lower readings at some of the sites. Dissolved oxygen is also affected by flow conditions. During high flow conditions, more oxygen is added to the river from the atmosphere, as the water is moving faster and there is more opportunity for mixing. If flow during the summer months is higher or lower than generally normal, then this will affect the dissolved oxygen.

Water Temperature

Temperature was measured 2-8 times at each of the thirteen sampling sites. Monitoring occurred from June through September. Maine’s Regulations Relating to Temperature (06-096 CMR Chapter 582) require that discharge of pollutants not raise the temperature of any river and stream above the EPA criteria for indigenous species (23°C maximum and 19°C weekly average) or 0.3°C (0.5°F) above the temperature that would naturally occur outside a mixing zone established by the Board of Environmental Protection. Pollutant is defined in statute as many things including dirt and heat. For tidal waters, discharge of pollutants may not raise the temperature more than 4°F (2.2°C) or more than 1.5°F (0.8°C) from June 1 to September 1, and may not cause the temperature of any tidal waters to exceed 85°F (29°C) at any point outside a mixing zone established by the Board of Environmental Protection. 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
MOUR-01	Y	8	19.3	28.4	23.6
MOUR-02	Y	8	18.9	27.2	22.7
MOUR-03	Y	7	20.0	25.0	22.8
MOUR-04	N	8	18.3	25.7	23.3
MOUR-05	Y	8	17.7	25.5	22.2
MOUR-06	Y	8	17.6	25.3	22.1
MOUR-07	Y	8	12.4	22.4	16.8
MOUR-08	Y	7	12.4	21.1	16.7
MOUR-09	Y	7	18.2	25.5	22.8
MOUR-10	Y	7	19.0	26.0	23.8
LR-01	Y	2	20.0	23.0	21.5
MOUSMB-01	Y	7	15.7	23.0	20.2
MOUSMB-02	Y	7	14.4	21.6	18.3

In the upper part of the Mousam River main stem (Sites MOUR-01, MOUR-02, MOUR-09, MOUR-10), temperature ranged from 18.2° to 28.4° C (Celsius). Site MOUR-01 had high temperature, ranging from 22.7-28.4° C from late June to late August. Site MOUR-02 was similar with temperature ranging from 22.3-27.2° C from late June to late August. Temperatures at Sites MOUR-09 and MOUR-10 were also high with temperature ranging from 23.0-25.5° at Site MOUR-09 and 22.0-26.0° C at Site MOUR-10, from mid-June to late August.

In the middle part of the Mousam River main stem (Sites MOUR-03, MOUR-04, MOUR-05), temperatures ranged from 17.6-25.7° C. All these sites were high through part or most of the summer. At Site MOUR-03, temperatures were from 24.0-25.0° C from late July to late August. Site MOUR-04 had temperatures from 24.6-25.7 and Site MOUR-05 had temperatures from 24.3-24.9 from late June to mid-August.

For the tidal sites (MOUR-06, MOUR-07, MOUR-08), temperatures ranged from 12.4-25.3° C. Site MOUR-06 had the highest temperatures and from late June to mid-August ranged from 24.3-24.7° C. Sites MOUR-07 and MOUR-08 had lower temperatures with average temperature 16.8 and 16.7° C. At both sites, temperature was above 20.0° C only on 1 date.

For the upper branch (Sites MOUSMB-01, MOUSMB-02, LR-01), temperatures ranged from 14.4-23.0° C. Site MOUSMB-01 had high temperatures and for July and August, ranged from 20.0-23.0° C. Site MOUSMB-02 had lower temperatures and was above 20.0° C in July only. Site LR-01 was sampled only 2 times and averaged 21.5° C.

Specific Conductance

Specific conductance was measured 2-8 times at each of the ten freshwater sampling sites. Monitoring occurred from June through September. Specific conductance is related to the amount of dissolved materials in the water. While there are no numerical standards, a relationship exists between conductivity and chloride which has numerical criteria. In general, streams located in urban areas tend to have high specific conductance due to polluted urban stormwater runoff. This may also in large part be due to salt buildup in surface and groundwater from road maintenance practices. Table 5 provides a summary of specific conductance values for each site including minimum, maximum and average values.

Table 5: Specific Conductance (micro-ohms/centimeter) Summary

Site	Approved Site	# of Samples	Minimum Value	Maximum Value	Average Value
MOUR-01	Y	7	55	57	56
MOUR-02	Y	8	55	59	57
MOUR-03	Y	7	98	110	105
MOUR-04	N	8	78	120	84
MOUR-05	Y	8	88	115	99
MOUR-06	Y				NA-Tidal
MOUR-07	Y				NA-Tidal
MOUR-08	Y				NA-Tidal
MOUR-09	Y	7	75	103	92
MOUR-10	Y	7	110	149	124
LR-01	Y	2	80	87	84
MOUSMB-01	Y	7	48	70	59
MOUSMB-02	Y	7	60	152	103

Specific conductance at all the sites was relatively low. Values below 100 µS/cm are considered to be low. In the upper part of the Mousam River main stem (Sites MOUR-01, MOUR-02,

MOUR-09, MOUR-10), the highest values occurred at Site MOUR-10 with values ranging from 110-149 $\mu\text{S}/\text{cm}$. The middle part of the Mousam River main stem (Sites MOUR-03, MOUR-04, MOUR-05) sites were all similar. For the upper branch (Sites MOUSMB-01, MOUSMB-02, LR-01), the highest values occurred at Site MOUSMB-02, which was slightly higher with an average of 103.

Bacteria

E. Coli bacteria were sampled 4-8 times at eight of the freshwater sites. Enterococcus bacteria were sampled 7-8 times at two of the tidal sites. Monitoring occurred from June through September. Most of the samples were taken during baseflow conditions. Sites MOUR-04, MOUR-05, MOUR-06 and MOUR-07 were sampled 1-2 times during stormflow conditions. Enterococcus bacteria are used as the indicator organism for marine waters and E. Coli bacteria are used for freshwaters. While these types of bacteria are not pathogens, their 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.” “Class SB criteria are as follows: “Between May 15th and September 30th, the numbers of enterococcus bacteria of human and domestic animal origin in these waters may not exceed a geometric mean of 8 per 100 milliliters or an instantaneous level of 54 per 100 milliliters.” Table 6 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.

Table 6: Bacteria Most Probable Number (MPN)/100 ml Summary

Site	Bacteria Type	# of Samples	Minimum Value	Maximum Value	Geometric Mean
MOUR-01					Not sampled
MOUR-02					Not sampled
MOUR-03	E. Coli	7	6	36	11
MOUR-04	E. Coli	8	1	249	14
MOUR-05	E. Coli	7	32	299	63
MOUR-06	Enterococcus	7	41	187	87
MOUR-07	Enterococcus	8	<10	203	35
MOUR-08					Not sampled
MOUR-09	E. Coli	7	40	104	71
MOUR-10	E. Coli	7	4	190	13
LR-01	E. Coli	4	5	59	12
MOUSMB-01	E. Coli	6	15	160	43
MOUSMB-02	E. Coli	6	11	365	51

In the upper part of the Mousam River main stem (Sites MOUR-01, MOUR-02, MOUR-09, MOUR-10), only sites MOUR-09 and MOUR-10 were sampled. Neither site violated Class C standards. In the middle part of the Mousam River main stem (Sites MOUR-03, MOUR-04, MOUR-05), sites MOUR-04 and MOUR-05 violated the instantaneous criterion on 1 date. The geometric mean was higher at Site MOUR-05 compared to the other two sites and close to the criterion. For the tidal sites (MOUR-06, MOUR-07, MOUR-08), only sites MOUR-06 and MOUR-07 were sampled. Site MOUR-06 violated the instantaneous criterion on 5 of 7 sampling dates and MOUR-07 violated instantaneous criterion on 2 of 8 sampling dates. The geometric mean criterion was violated at both sites. For the upper branch (Sites MOUSMB-01, MOUSMB-02, LR-01), the bacteria was overall low. Site MOUSMB-02 violated the instantaneous criterion on one date.

Discussion and Recommendations

There are numerous sources of pollution and other stresses to the Mousam River and tributaries sites monitored by the Mousam and Kennebunk Rivers Alliance that could potentially have an impact on water quality. Some of those sources of pollution and stress may include:

- Nonpoint source pollution (e.g., septic systems, eroded soil, fertilizers, pesticides, heavy metals, petroleum residues, road salt, wildlife and pet feces) and polluted stormwater originating from urban impervious surfaces (e.g. streets, parking lots, driveways, rooftops) (even though urban development and roads are fairly sparse in the watershed), agriculture, and forestry.
- Point source pollution (pollution originating from a direct discharge including wastewater treatment plant discharge, combined sewer overflows and overboard discharges).
- Ponds and impoundments (which often create more pond-like aquatic habitat conditions that may have higher water temperatures and lower dissolved oxygen concentrations than free-flowing waters)
- 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).

The following are recommendations for future monitoring:

- Dissolved oxygen was low at some of the sites. Site LR-01 should be monitored throughout the season and further investigation made as to whether this is natural. Factors contributing to low dissolved oxygen may include low flow and the site being below extensive wetlands.
- Monitoring should include some early morning (before 8:00 am) sampling to further document potential dissolved oxygen problems. Over a 24 hour period, the lowest readings occur in the early morning and highest readings in mid to late afternoon. This occurs because oxygen is used up during the night due to plant respiration and during the day, plant life is photosynthesizing. 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.

- Temperature was high in the upper and middle main-stem sites. In the future, we might consider placing temperature loggers at some of these sites to document daily temperature values through the season.
- Bacteria were overall low in the freshwater sites. The tidal sites had bacteria violations of both instantaneous criterion and geometric mean criterion. These sites should continue to be monitored and perhaps further investigation made as to the causes of the problem.
- Continue monitoring at all stations to develop a long term trend database.

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; "TSS" = total suspended solids"

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)	E Coli Bacteria (MPN/100ML)	Enterococci (MPN/100ML)
Mousam River & Tributaries - Kennebunk Mousam Alliance (Approved Sites)													
MOUR-08	BACK CREEK - SMUBC02 - VRMP	6/11/2010	9:25 AM	N			12.4	104.6	11.2				
MOUR-08	BACK CREEK - SMUBC02 - VRMP	6/11/2010	9:25 AM	D			12.3	103.7	11.1				
MOUR-08	BACK CREEK - SMUBC02 - VRMP	6/30/2010	2:15 PM	N			13.2	125.5	13.1				
MOUR-08	BACK CREEK - SMUBC02 - VRMP	7/15/2010	2:10 PM	N			19.4	116.6	9.1				
MOUR-08	BACK CREEK - SMUBC02 - VRMP	7/28/2010	4:35 PM	N			21.1	112.1	9.6				
MOUR-08	BACK CREEK - SMUBC02 - VRMP	8/26/2010	2:40 PM	N			19.9	103.1	9.5				
MOUR-08	BACK CREEK - SMUBC02 - VRMP	9/8/2010	11:25 AM	N			14.6	98	9.8				
MOUR-08	BACK CREEK - SMUBC02 - VRMP	9/23/2010	1:15 PM	N			16	101.7	10				
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VF	6/14/2010	2:50 PM	N			20	90	8.1	80			
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VF	6/17/2010	12:30 PM	N								59	
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VF	7/1/2010	2:10 PM	N			23	58.2	5	87.5			
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VF	7/2/2010	10:15 AM	N								21	
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VF	8/31/2010		N								5	
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VF	9/22/2010		N								3	
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SMUMB33 - VRMP	6/14/2010	3:25 PM	N			17	85	8.2	60			
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	6/17/2010	12:37 PM	N								75	
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	7/1/2010	2:30 PM	N			17	76.3	7.4	110			
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	7/2/2010	10:30 AM	N								26	
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	7/15/2010	10:30 AM	N			21.6	81	7.1	69		228	
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	7/29/2010	9:05 AM	N			21	83	7.3	90			
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	7/29/2010	10:05 AM	N								365	
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	8/12/2010	9:30 AM	N			19	76	7	112		28	
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	8/12/2010	9:30 AM	D			19.4	76	7	113			
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	8/31/2010	9:33 AM	N			18	80	7.5	128		19	
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	9/22/2010	2:35 PM	N			14.4	88	8.8	152			
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER - SM	9/22/2010	3:15 PM	N								11	
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER - SMUMB58 - VRMP	6/14/2010	3:10 PM	N			19	93	8.5	48			
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER - SM	7/1/2010	2:20 PM	N			21	83.2	7.7	61			
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER - SM	7/2/2010	11:00 AM	N								34	
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER - SM	7/15/2010	10:10 AM	N			22	90	7.9	53		160	
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER - SM	7/29/2010	8:45 AM	N			23	84	7.3	55			
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER - SM	7/29/2010	9:45 AM	N								68	

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)	E Coli Bacteria (MPN/ 100ML)	Enterococci (MPN/ 100ML)
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER - SM	8/12/2010	9:15 AM	N			21	71	6.3	65		48	
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER - SM	8/31/2010	9:15 AM	N			20	80	7.3	64		15	
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER - SM	9/22/2010	2:13 PM	N			15.7	80	8.1	70		25	
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	6/11/2010	9:45 AM	N			12.4	104.3	11.2				
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	6/11/2010	11:20 AM	N									U<10
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	6/30/2010	2:30 PM	N			13.5	125.5	13.1				31
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	6/30/2010	4:00 PM	N									
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	7/15/2010	1:55 PM	N			19.5	113.3	8.8				
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	7/15/2010	2:20 PM	N									31
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	7/28/2010	4:05 PM	N			22.4	114	9.9				
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	7/28/2010	4:15 PM	N									30
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	8/11/2010		N									U<10
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	8/11/2010	12:45 PM	N			16.5	119.3	9.2				
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	8/26/2010	2:30 PM	N									203
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	8/26/2010	2:36 PM	N			19.2	102.4	9.5				
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	9/8/2010	11:10 AM	N			15.1	98.4	9.8				31
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	9/23/2010	1:35 PM	N			15.4	100.5	10.1				
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	9/23/2010	1:45 PM	N									120
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	6/14/2010	4:15 PM	N			20	85	7.8	98			
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	6/17/2010	1:20 PM	N								6	
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	7/1/2010	3:15 PM	N			23	100	8.5	112			
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	7/2/2010	11:25 AM	N								36	
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	7/15/2010	11:40 AM	N			22.5	83	7.2	99		15	
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	7/29/2010	10:00 AM	N			24	92	7.7	102			
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	7/29/2010	10:48 AM	N								11	
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	8/12/2010	10:15 AM	N			25	95	7.9	107		10	
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	8/31/2010	10:20 AM	N			25	98	8.2	107		6	
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	8/31/2010	10:20 AM	D			24	98.5	8.2	108			
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	9/22/2010	3:15 PM	N			20	101	9.3	110		11	
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	6/14/2010	3:40 PM	N			22	101	8.9	103			
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	6/14/2010	3:40 PM	D				102	8.9	102			
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	6/17/2010	12:55 PM	N								86	
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/1/2010	2:45 PM	N			23	111	9.5	95			
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/1/2010	2:45 PM	D			23	112	9.6	96			
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/2/2010	10:45 AM	N								59	
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/15/2010	10:45 AM	N			25.5	82.5	6.7	91		91	
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/29/2010	9:20 AM	N			25	86	7	96			
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/29/2010	10:30 AM	N								104	
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	8/12/2010	9:45 AM	N			23	76	6.5	96		40	
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	8/31/2010	9:45 AM	N			23	77	6.6	90		64	
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	9/22/2010	2:45 PM	N			18.2	99	9.36	75		75	
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	6/14/2010	4:05 PM	N			22	87	7.7	122			
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	6/17/2010	1:10 PM	N									26

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)	E Coli Bacteria (MPN/ 100ML)	Enterococci (MPN/ 100ML)
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/1/2010	3:00 PM	N			24	94	7.9	129			
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/2/2010	11:15 AM	N								4	
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/15/2010	11:00 AM	N			25.5	79	6.2	110			
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/15/2010	11:00 AM	D			26	81	6.4	110			
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/15/2010	11:20 AM	N								190	
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/29/2010	9:40 AM	N			26	106	8.6	120			
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/29/2010	10:36 AM	N								8	
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	8/12/2010	10:05 AM	N			26	93	7.7	149			9
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	8/31/2010	10:05 AM	N			24	97	8.2	124			8
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	9/22/2010	3:05 PM	N			19	90	8.4	114			6
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	9/22/2010	3:05 PM	D			19	90	8.3	115			
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	6/10/2010	3:35 PM	N			19.2	93.8	8.63	56.5			
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	6/24/2010	10:30 AM	N			22.3	90.7	7.9	59.3			
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	7/8/2010	2:15 PM	N			26.7	96.7	7.73	59.1			
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	7/22/2010	10:10 AM	N			23.1	91.2	7.67	55.4			
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	8/6/2010	12:30 PM	N			27.2	91.9	7.96	56			
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	8/19/2010	1:43 PM	N			24.8	94.7	7.86	56.7			
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	9/15/2010	1:57 PM	N			19	95.7	8.84	56.4			
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	9/29/2010	12:00 PM	N			18.9	95	8.82	56.5			
MOUR-01	MOUSAM RIVER - SMU290 -VRMP	6/10/2010	3:57 PM	N			20.2	94.2	8.53	56.3			
MOUR-01	MOUSAM RIVER - SMU290 -VRMP	6/24/2010	11:00 AM	N			22.7	91.9	7.96	57			
MOUR-01	MOUSAM RIVER - SMU290 -VRMP	7/8/2010	2:30 PM	N			25.8	96	7.8	59.1			
MOUR-01	MOUSAM RIVER - SMU290 -VRMP	7/22/2010	10:35 AM	N			26.6	93.3	7.52	55.8			
MOUR-01	MOUSAM RIVER - SMU290 -VRMP	8/6/2010	12:00 PM	N			28.4	92	7.6	54.8			
MOUR-01	MOUSAM RIVER - SMU290 -VRMP	8/19/2010	2:05 PM	N			25.7	93.3	7.71	55.6			
MOUR-01	MOUSAM RIVER - SMU290 -VRMP	9/15/2010	2:13 PM	N			19.8	93.6	8.51				
MOUR-01	MOUSAM RIVER - SMU290 -VRMP	9/29/2010	11:20 AM	N			19.3	94.5	8.73	55.5			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	6/11/2010	10:20 AM	N			18.2	98.8	9.2	308			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	6/30/2010	2:30 PM	N									75
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	6/30/2010	3:10 PM	N			24.3	99.4	8.3	421			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	7/15/2010	1:30 PM	N			24.5	99.2	8.3	83.9			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	7/15/2010	1:50 PM	N									187
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	7/28/2010	3:35 PM	N			25.3	97.8	8.1	105.4			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	7/28/2010	3:40 PM	N									41
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	8/11/2010		N									121
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	8/11/2010	1:45 PM	N			24.7	104.7	8.4	98.4			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	8/26/2010	1:45 PM	N			20.3	102.7	9.3	80.1			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	8/26/2010	2:00 PM	N									161
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	9/8/2010	10:45 AM	N									63
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	9/8/2010	10:58 AM	N			21.6	99.1	8.7	101.1			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	9/23/2010	2:00 PM	N			17.6	104.4	9.9	479			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	9/23/2010	2:00 PM	D			17.6	103.6	9.9	554			
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	9/23/2010	2:10 PM	N									52

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)	E Coli Bacteria (MPN/ 100ML)	Entero-cocci (MPN/ 100ML)
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	6/11/2010	10:42 AM	N			18.2	83.7	7.1	97.6			
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	6/30/2010	3:10 PM	N								32	
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	6/30/2010	3:40 PM	N			24.3	98.2	8.2	96.8			
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	7/15/2010	1:10 PM	N			24.9	85.6	6.9	87.6			
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	7/15/2010	1:10 PM	D			24.9	84.6	6.9	88.7			
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	7/15/2010	1:20 PM	N								78	
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	7/28/2010	3:15 PM	N			25.5	89	7.3	115.5			
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	7/28/2010	3:20 PM	N								64	
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	8/11/2010		N								52.8	
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	8/11/2010	1:20 PM	N			24.9	93.2	6.6	99			
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	8/26/2010	1:20 PM	N								299	
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	8/26/2010	1:30 PM	N			20.1	93.8	8.5	89.6			
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	9/8/2010	10:35 AM	N			21.8	84.4	7.4	99			
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	9/8/2010	10:50 AM	N								36	
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	9/23/2010	2:25 PM	N			17.7	93.7	8.9	103.6			
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	9/23/2010	2:30 PM	N								45	
Mousam River & Tributaries - Kennebunk Mousam Alliance (Non-Approved Sites)													
MOUR-04	MOUSAM RIVER - SMU80 - KMA	6/11/2010	10:55 AM	N			18.3	79.4	7.4	106			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	6/11/2010	11:20 AM	N								1	
MOUR-04	MOUSAM RIVER - SMU80 - KMA	6/30/2010	2:30 PM	N								15	
MOUR-04	MOUSAM RIVER - SMU80 - KMA	6/30/2010	4:08 PM	N			24.6	105.6	8.8	93.2			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	7/15/2010	12:20 PM	N			25.7	85.1	6.9	24.8			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	7/15/2010	12:55 PM	N								138	
MOUR-04	MOUSAM RIVER - SMU80 - KMA	7/28/2010	2:45 PM	N			25.7	93.4	7.6	119.7			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	7/28/2010	3:00 PM	N								8	
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/11/2010	12:45 PM	N			24.8	102.3	7.3	85.7			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/11/2010	12:45 PM	D			24.9	103.3	7.4	89.9			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/11/2010	12:55 PM	N								7.5	
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/26/2010	1:05 PM	N			20.6	88.2	7.9	89			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/26/2010	1:05 PM	D			21.1	88	7.9	88.7			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/26/2010	1:20 PM	N								249	
MOUR-04	MOUSAM RIVER - SMU80 - KMA	9/8/2010	10:00 AM	N								11	
MOUR-04	MOUSAM RIVER - SMU80 - KMA	9/8/2010	10:10 AM	N			21.9	80.4	7.2	97.1			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	9/23/2010	2:40 PM	N			19.9	92.8	8.8	78			
MOUR-04	MOUSAM RIVER - SMU80 - KMA	9/23/2010	2:50 PM	N								4	

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; "TSS" = total suspended solids
 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 Condi- tion	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
Mousam River - Kennebunk Mousam Alliance (Approved Sites)															
MOUR-08	BACK CREEK - SMUBC02 - VRMP	6/11/2010	9:25 AM	N	BASEF LOW	HIGH	59	BRIDGE	PARTLY CLOUDY	CALM	SHOWERS, LIGHT RAIN	RUN	HIGH FLOOD	MEDIUM STAINED	D.O. METER MEMBRANE NOT INSPECTED. NON-WADEABLE/3 FT BELOW SURFACE
MOUR-08	BACK CREEK - SMUBC02 - VRMP	6/11/2010	9:25 AM	D				BRIDGE							D.O. METER MEMBRANE NOT INSPECTED. NON-WADEABLE/3 FT BELOW SURFACE
MOUR-08	BACK CREEK - SMUBC02 - VRMP	6/30/2010	2:15 PM	N	BASEF LOW	HIGH	77	BRIDGE	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RUN	HIGH FLOOD	CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/3 FT BELOW SURFACE
MOUR-08	BACK CREEK - SMUBC02 - VRMP	7/15/2010	2:10 PM	N	STOR MFLO	HIGH	86	BRIDGE	PARTLY CLOUDY	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN	HIGH	OPAQUE	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-08	BACK CREEK - SMUBC02 - VRMP	7/28/2010	4:35 PM	N	BASEF LOW	HIGH	91	BRIDGE	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-08	BACK CREEK - SMUBC02 - VRMP	8/26/2010	2:40 PM	N	BASEF LOW	HIGH	84	BRIDGE	PARTLY CLOUDY	STRONG	HEAVY RAIN	RUN	HIGH EBB	MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-08	BACK CREEK - SMUBC02 - VRMP	9/8/2010	11:25 AM	N	BASEF LOW	HIGH		WADING	CLOUDY		CLEAR, PARTLY CLOUDY, HEAVY	RUN	HIGH	MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-08	BACK CREEK - SMUBC02 - VRMP	9/23/2010	1:15 PM	N	BASEF LOW	MEDIUM	70	BRIDGE	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY, MOSTLY CLOUDY,	RUN	EBB	MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VRMP	6/14/2010	2:50 PM	N	BASEF LOW	MEDIUM	71	BRIDGE	CLEAR	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VRMP	6/17/2010	12:30 PM	N											
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VRMP	7/1/2010	2:10 PM	N	BASEF LOW	LOW	68	BRIDGE	PARTLY CLOUDY	STRONG	CLEAR	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VRMP	7/2/2010	10:15 AM	N											
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VRMP	8/31/2010		N											
LR-01	LITTLEFIELD RIVER - SMUMBLR18 - VRMP	9/22/2010		N											
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER -	6/14/2010	3:25 PM	N	BASEF LOW	MEDIUM	71	BRIDGE	CLEAR	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN		MEDIUM STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER -	6/17/2010	12:37 PM	N											
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER -	7/1/2010	2:30 PM	N	BASEF LOW	MEDIUM	68	BRIDGE	PARTLY CLOUDY	STRONG	CLEAR	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER -	7/2/2010	10:30 AM	N											
MOUSMB-02	MOUSAM RIVER - SMUMB33 - VRMP	7/15/2010	10:30 AM	N	BASEF LOW	MEDIUM	75	BRIDGE	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RUN		DARKLY STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER -	7/29/2010	9:05 AM	N	BASEF LOW	LOW	74	BRIDGE	CLOUDY	CALM	LIGHT RAIN	RUN		MEDIUM STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER -	8/12/2010	9:30 AM	N	BASEF LOW	LOW	66	BRIDGE	PARTLY CLOUDY	CALM	CLEAR	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER -	8/12/2010	9:30 AM	D				BRIDGE							NON-WADEABLE/MID-DEPTH
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER -	8/31/2010	9:33 AM	N	BASEF LOW	LOW	70	BRIDGE	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
MOUSMB-02	MIDDLE BRANCH MOUSAM RIVER -	9/22/2010	2:35 PM	N	BASEF LOW	LOW	71	BRIDGE	CLOUDY, SHOWER	CALM	CLEAR	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. 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 Condition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER -	6/14/2010	3:10 PM	N	BASEF LOW	MEDIUM	71	BRIDGE	CLEAR	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER -	7/1/2010	2:20 PM	N	BASEF LOW	LOW	68	BRIDGE	PARTLY CLOUDY	STRONG	CLEAR	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER -	7/2/2010	11:00 AM	N											
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER -	7/15/2010	10:10 AM	N	BASEF LOW	MEDIUM	75	BRIDGE	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RIFFLE		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUSMB-01	MOUSAM RIVER - SMUMB58 - VRMP	7/29/2010	8:45 AM	N	BASEF LOW	LOW	74	BRIDGE	CLOUDY	CALM	LIGHT RAIN	RUN		MEDIUM STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER -	8/12/2010	9:15 AM	N	BASEF LOW	LOW	66	BRIDGE	PARTLY CLOUDY	CALM	CLEAR	RIFFLE		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER -	8/31/2010	9:15 AM	N	BASEF LOW	LOW	70	BRIDGE	CLEAR	CALM	CLEAR	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUSMB-01	MIDDLE BRANCH MOUSAM RIVER -	9/22/2010	2:13 PM	N	BASEF LOW	LOW	71	BRIDGE	CLOUDY, SHOWER	CALM	CLEAR	RUN		MEDIUM STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	6/11/2010	9:45 AM	N	BASEF LOW	HIGH	59	BRIDGE	PARTLY CLOUDY	CALM	SHOWERS, LIGHT RAIN	RUN	HIGH FLOOD	MEDIUM STAINED	D.O. METER MEMBRANE NOT INSPECTED. NON-WADEABLE/3 FT BELOW SURFACE
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	6/30/2010	2:30 PM	N	BASEF LOW	HIGH	77	BRIDGE	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RUN	HIGH FLOOD	CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/3 FT BELOW
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	7/15/2010	1:55 PM	N	STOR MFLO	HIGH	86	BRIDGE	PARTLY CLOUDY	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN	HIGH	OPAQUE	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	7/28/2010	4:05 PM	N	BASEF LOW	HIGH	91	BRIDGE	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	8/11/2010	12:45 PM	N	BASEF LOW	HIGH	87	BRIDGE	CLEAR	BREEZE	PARTLY CLOUDY	RUN	HIGH EBB	MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	8/26/2010	2:36 PM	N	BASEF LOW	HIGH	84	BRIDGE	PARTLY CLOUDY	STRONG	HEAVY RAIN	RUN	HIGH EBB	MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	9/8/2010	11:10 AM	N	BASEF LOW	HIGH		BRIDGE	CLOUDY		CLEAR, PARTLY CLOUDY, HEAVY	RUN	HIGH	MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-07	MOUSAM RIVER - SMU04 - VRMP	9/23/2010	1:35 PM	N	BASEF LOW	MEDIUM	70	BRIDGE	PARTLY CLOUDY	BREEZE	MOSTLY CLOUDY, PARTLY CLOUDY	RUN	EBB	MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	6/14/2010	4:15 PM	N	BASEF LOW	MEDIUM	71	BANK	CLEAR	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN		MEDIUM STAINED	SAMPLED FROM BANK, BUT LOOKS OKAY ACCORDING TO APPENDIX G. DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/1.5 FT BELOW SURFACE
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	6/17/2010	1:20 PM	N											
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	7/1/2010	3:15 PM	N	BASEF LOW	MEDIUM	68	WADING	PARTLY CLOUDY	STRONG	CLEAR	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	7/2/2010	11:25 AM	N											
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	7/15/2010	11:40 AM	N	BASEF LOW	MEDIUM	75	WADING	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RIFFLE		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/MID-DEPTH
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	7/29/2010	10:00 AM	N	BASEF LOW	MEDIUM	74	WADING	CLOUDY	CALM	LIGHT RAIN	RUN		MEDIUM STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/MID-DEPTH
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	8/12/2010	10:15 AM	N	BASEF LOW	MEDIUM	66	WADING	PARTLY CLOUDY	CALM	CLEAR	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	8/31/2010	10:20 AM	N	BASEF LOW	MEDIUM	70	WADING	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	8/31/2010	10:20 AM	D				WADING							WADEABLE/MID-DEPTH
MOUR-03	MOUSAM RIVER - SMU144 - VRMP	9/22/2010	3:15 PM	N	BASEF LOW	LOW	71	WADING	SHOWER S	CALM	CLEAR	RIFFLE		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/MID-DEPTH
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	6/14/2010	3:40 PM	N	BASEF LOW	MEDIUM	71	BANK	CLEAR	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN		CLEAR	SHOULD BE SAMPLING FROM BRIDGE, NOT BANK. DID NOT COMPLETE CHAIN OF CUSTODY FOR

Organization Site Code	VRMP Site ID	Date	Time	** Sample Type Qualifier	Flow	Stage	Air Temp. (DEG C)	Sample Location	Current Weather	Air Condition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	6/14/2010	3:40 PM	D				BANK							SHOULD BE SAMPLING FROM BRIDGE, NOT BANK. DID NOT COMPLETE CHAIN OF CUSTODY FOR
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	6/17/2010	12:55 PM	N											
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/1/2010	2:45 PM	N	BASEF LOW	MEDIUM	68	WADING	PARTLY CLOUDY	STRONG	CLEAR	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/1/2010	2:45 PM	D				WADING							WADEABLE/1.5 FT BELOW SURFACE
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/2/2010	10:45 AM	N											
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/15/2010	10:45 AM	N	BASEF LOW	MEDIUM	75	WADING	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/MID-DEPTH
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	7/29/2010	9:20 AM	N	BASEF LOW	MEDIUM	74	WADING	CLOUDY	CALM	LIGHT RAIN	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/MID-DEPTH
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	8/12/2010	9:45 AM	N	BASEF LOW	MEDIUM	66	WADING	PARTLY CLOUDY	CALM	CLEAR	RUN		CLEAR	WADEABLE/1.5 FT BELOW SURFACE
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	8/31/2010	9:45 AM	N	BASEF LOW	LOW	70	WADING	CLEAR	CALM	CLEAR	RIFFLE		CLEAR	WADEABLE/MID-DEPTH
MOUR-09	MOUSAM RIVER - SMU163 - VRMP	9/22/2010	2:45 PM	N	BASEF LOW	LOW	71	WADING	CLOUDY, SHOWER	CALM	CLEAR	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/MID-DEPTH
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	6/14/2010	4:05 PM	N	BASEF LOW	MEDIUM	71	WADING	CLEAR	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN		MEDIUM STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/MID-DEPTH
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	6/17/2010	1:10 PM	N											
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/1/2010	3:00 PM	N	BASEF LOW	MEDIUM	68	BRIDGE	PARTLY CLOUDY	STRONG	CLEAR	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/2/2010	11:15 AM	N											
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/15/2010	11:00 AM	N	BASEF LOW	MEDIUM	75	BRIDGE	PARTLY CLOUDY	CALM	PARTLY CLOUDY	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/3 FT BELOW
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/15/2010	11:00 AM	D				BRIDGE							DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/3 FT BELOW
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	7/29/2010	9:40 AM	N	BASEF LOW	MEDIUM	74	BRIDGE	CLOUDY	CALM	LIGHT RAIN	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	8/12/2010	10:05 AM	N	BASEF LOW	MEDIUM	66	BRIDGE	PARTLY CLOUDY	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	8/31/2010	10:05 AM	N	BASEF LOW	MEDIUM	70	BRIDGE	CLEAR	CALM	CLEAR	RUN		CLEAR	NON-WADEABLE/MID-DEPTH
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	9/22/2010	3:05 PM	N	BASEF LOW	MEDIUM	71	BRIDGE	CLOUDY, SHOWER	CALM	CLEAR	RUN		CLEAR	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUR-10	MOUSAM RIVER - SMU204 - VRMP	9/22/2010	3:05 PM	D				BRIDGE							DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/MID-DEPTH
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	6/10/2010	3:35 PM	N	BASEF LOW	MEDIUM	56	BANK	SHOWER S,	BREEZE	LIGHT RAIN	RUN		DARKLY STAINED	NON-WADEABLE/MID-DEPTH
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	6/24/2010	10:30 AM	N	BASEF LOW	MEDIUM	72	BANK	CLOUDY	BREEZE	MOSTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	7/8/2010	2:15 PM	N	BASEF LOW	LOW	82	BANK	PARTLY CLOUDY,	BREEZE	CLEAR, PARTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	7/22/2010	10:10 AM	N	STOR MFLO	MEDIUM	71	BANK	CLEAR	BREEZE	CLEAR, MOSTLY CLOUDY,	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	8/6/2010	12:30 PM	N	BASEF LOW	MEDIUM	78	BANK	CLEAR, PARTLY	CALM	CLEAR	RUN		MEDIUM STAINED	D.O. METER MEMBRANE NOT INSPECTED. NON-WADEABLE/MID-DEPTH
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	8/19/2010	1:43 PM	N	BASEF LOW	LOW	81	WADING	CLEAR	CALM	CLEAR, PARTLY CLOUDY	RUN		MEDIUM STAINED	COLLECTION METHODS ASSUMED TO BE DIRECT PROBE SINCE METHOD WAS WADING
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	9/15/2010	1:57 PM	N	BASEF LOW	LOW	67	BANK	CLEAR	BREEZE	PARTLY CLOUDY, LIGHT RAIN	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 Condition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
MOUR-02	MOUSAM RIVER - SMU280 - VRMP	9/29/2010	12:00 PM	N	BASEF LOW	LOW	67	BANK	CLEAR	BREEZE	MOSTLY CLOUDY, SHOWERS, LIGHT	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUR-01	MOUSAM RIVER - SMU290 - VRMP	6/10/2010	3:57 PM	N	BASEF LOW	MEDIUM	56	BANK	CLOUDY, SHOWER	BREEZE	LIGHT RAIN	RUN		DARKLY STAINED	NON-WADEABLE/MID-DEPTH
MOUR-01	MOUSAM RIVER - SMU290 - VRMP	6/24/2010	11:00 AM	N	BASEF LOW	MEDIUM	72	BANK	CLOUDY	BREEZE	MOSTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUR-01	MOUSAM RIVER - SMU290 - VRMP	7/8/2010	2:30 PM	N	BASEF LOW	LOW	82	BANK	PARTLY CLOUDY,	BREEZE	CLEAR, PARTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUR-01	MOUSAM RIVER - SMU290 - VRMP	7/22/2010	10:35 AM	N	STOR MFLO	MEDIUM	71	BANK	CLEAR	BREEZE	CLEAR, MOSTLY CLOUDY,	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUR-01	MOUSAM RIVER - SMU290 - VRMP	8/6/2010	12:00 PM	N	BASEF LOW	MEDIUM	78	BANK	CLEAR, PARTLY	CALM	CLEAR	RUN		MEDIUM STAINED	D.O. METER MEMBRANE NOT INSPECTED. NON-WADEABLE/MID-DEPTH
MOUR-01	MOUSAM RIVER - SMU290 - VRMP	8/19/2010	2:05 PM	N	BASEF LOW	LOW	81	WADING	CLEAR	CALM	CLEAR, PARTLY CLOUDY	RUN		MEDIUM STAINED	COLLECTION METHODS ASSUMED TO BE DIRECT PROBE SINCE METHOD WAS WADING
MOUR-01	MOUSAM RIVER - SMU290 - VRMP	9/15/2010	2:13 PM	N	BASEF LOW	LOW	67	BANK	CLEAR	BREEZE	PARTLY CLOUDY, LIGHT RAIN	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUR-01	MOUSAM RIVER - SMU290 - VRMP	9/29/2010	11:20 AM	N	BASEF LOW	LOW	67	BANK	CLEAR	BREEZE	MOSTLY CLOUDY, SHOWERS, LIGHT	RUN		MEDIUM STAINED	NON-WADEABLE/MID-DEPTH
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	6/11/2010	10:20 AM	N	BASEF LOW	MEDIUM	59	WADING	PARTLY CLOUDY	CALM	SHOWERS, LIGHT RAIN	RIFFLE		MEDIUM STAINED	D.O. METER MEMBRANE NOT INSPECTED. WADEABLE/MID-DEPTH
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	6/30/2010	3:10 PM	N	BASEF LOW	LOW	77	WADING	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RIFFLE		MEDIUM STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. WADEABLE/MID-DEPTH
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	7/15/2010	1:30 PM	N	STOR MFLO	HIGH	86	WADING	PARTLY CLOUDY	CALM	MOSTLY CLOUDY, HEAVY RAIN	RIFFLE		MEDIUM STAINED	WADEABLE/1.5 FT BELOW SURFACE
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	7/28/2010	3:35 PM	N	BASEF LOW	MEDIUM	91	WADING	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RIFFLE		MEDIUM STAINED	WADEABLE/MID-DEPTH
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	7/28/2010	3:40 PM	N											
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	8/11/2010	1:45 PM	N	BASEF LOW	MEDIUM	87	WADING	CLEAR	BREEZE	PARTLY CLOUDY	RIFFLE		MEDIUM STAINED	WADEABLE/1.5 FT BELOW SURFACE
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	8/26/2010	1:45 PM	N	STOR MFLO	HIGH	84	WADING	PARTLY CLOUDY	STRONG	HEAVY RAIN	RIFFLE		DARKLY STAINED	WADEABLE/1.5 FT BELOW SURFACE
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	9/8/2010	10:58 AM	N	BASEF LOW	MEDIUM		WADING	CLOUDY		CLEAR, PARTLY CLOUDY, HEAVY	RIFFLE		MEDIUM STAINED	WADEABLE/1.5 FT BELOW SURFACE
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	9/23/2010	2:00 PM	N	BASEF LOW	LOW	70	WADING	PARTLY CLOUDY	BREEZE	MOSTLY CLOUDY, PARTLY CLOUDY	RIFFLE		MEDIUM STAINED	WADEABLE/MID-DEPTH
MOUR-06	MOUSAM RIVER - SMU35 - VRMP	9/23/2010	2:00 PM	D				WADING							WADEABLE/MID-DEPTH
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	6/11/2010	10:42 AM	N	BASEF LOW	MEDIUM	59	WADING	PARTLY CLOUDY	CALM	SHOWERS, LIGHT RAIN	RUN		MEDIUM STAINED	D.O. METER MEMBRANE NOT INSPECTED. NON-WADEABLE/3 FT BELOW SURFACE
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	6/30/2010	3:40 PM	N	BASEF LOW	MEDIUM	77	WADING	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RUN		MEDIUM STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/3 FT BELOW SURFACE
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	7/15/2010	1:10 PM	N	STOR MFLO	HIGH	86	WADING	PARTLY CLOUDY	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN		DARKLY STAINED	WADEABLE/MID-DEPTH
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	7/15/2010	1:10 PM	D				WADING							WADEABLE/MID-DEPTH
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	7/28/2010	3:15 PM	N	BASEF LOW	MEDIUM	91	WADING	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	8/11/2010	1:20 PM	N	BASEF LOW	MEDIUM	87	WADING	CLEAR	BREEZE	PARTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	8/26/2010	1:30 PM	N	BASEF LOW	MEDIUM	84	WADING	PARTLY CLOUDY	STRONG	HEAVY RAIN	RUN		OPAQUE	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	9/8/2010	10:35 AM	N	BASEF LOW	MEDIUM		WADING	CLOUDY		CLEAR, PARTLY CLOUDY, HEAVY	RUN		MEDIUM STAINED	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 Condition	Past 24HR Weather	Habitat	Tide Stage	Water Appearance	Comments
MOUR-05	MOUSAM RIVER - SMU39 - VRMP	9/23/2010	2:25 PM	N	BASEF LOW	MEDIUM	70	WADING	PARTLY CLOUDY	BREEZE	MOSTLY CLOUDY, PARTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
Mousam River - Kennebunk Mousam Alliance (Non-Approved Sites)															
MOUR-04	MOUSAM RIVER - SMU80 - KMA	6/11/2010	10:55 AM	N	BASEF LOW	MEDIUM	59	WADING	PARTLY CLOUDY	CALM	SHOWERS, LIGHT RAIN	RUN		MEDIUM STAINED	D.O. METER MEMBRANE NOT INSPECTED. NON-WADEABLE/3 FT BELOW SURFACE
MOUR-04	MOUSAM RIVER - SMU80 - KMA	6/30/2010	4:08 PM	N	BASEF LOW	MEDIUM	77	WADING	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RUN		MEDIUM STAINED	DID NOT COMPLETE CHAIN OF CUSTODY FOR DATASHEET. NON-WADEABLE/3 FT BELOW SURFACE
MOUR-04	MOUSAM RIVER - SMU80 - KMA	7/15/2010	12:20 PM	N	STOR MFLO	HIGH	86	WADING	PARTLY CLOUDY	CALM	MOSTLY CLOUDY, HEAVY RAIN	RUN		DARKLY STAINED	WADEABLE/MID-DEPTH
MOUR-04	MOUSAM RIVER - SMU80 - KMA	7/28/2010	2:45 PM	N	BASEF LOW	MEDIUM	91	WADING	PARTLY CLOUDY	BREEZE	PARTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/11/2010	12:45 PM	N	BASEF LOW	MEDIUM	87	WADING	CLEAR	BREEZE	PARTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/11/2010	12:45 PM	D				WADING							NON-WADEABLE/3 FT BELOW SURFACE
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/26/2010	1:05 PM	N	BASEF LOW	MEDIUM	84	WADING	PARTLY CLOUDY	STRONG	HEAVY RAIN	RUN		MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-04	MOUSAM RIVER - SMU80 - KMA	8/26/2010	1:05 PM	D				WADING							NON-WADEABLE/3 FT BELOW SURFACE
MOUR-04	MOUSAM RIVER - SMU80 - KMA	9/8/2010	10:10 AM	N	BASEF LOW	MEDIUM		WADING	CLOUDY		CLEAR, PARTLY CLOUDY, HEAVY	RUN		MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE
MOUR-04	MOUSAM RIVER - SMU80 - KMA	9/23/2010	2:40 PM	N	BASEF LOW	MEDIUM	70	WADING	PARTLY CLOUDY	BREEZE	MOSTLY CLOUDY, PARTLY CLOUDY	RUN		MEDIUM STAINED	NON-WADEABLE/3 FT BELOW SURFACE