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Ambient Rivers Monitoring in the Great Bay Estuary Watershed 2006

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A Final Report to

The New Hampshire Estuaries Project

Submitted by

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EXECUTIVE SUMMARY

The Department of Environmental Services (DES) received funding from the New Hampshire Estuaries Project (NHEP) to conduct monitoring activities in 2006. The activities described in this report were led by the DES Watershed Assistance Section and involved water monitoring at the head-of-tide in nine tidal tributaries. Other DES staff conducted laboratory analyses. These monitoring activities were completed with the overall purpose of improving the understanding of water quality trends. DES completed all tasks as planned. This report includes the sample collection information, field and laboratory data, and quality assurance information. Data summaries and interpretations will come at a later time in other DES and NHEP publications.

LIST OF TABLES

INTRODUCTION

On June 21, 2006, the New Hampshire Governor and the Executive Council approved a memorandum of agreement (MOA) between the Department of Environmental Services (DES) and the University of New Hampshire (UNH) to implement aspects of the New Hampshire Estuaries Project *Management Plan* (NHEP, 2000) and *Monitoring Plan* (Trowbridge, 2002). This report covers the Coastal Ambient Rivers Monitoring Program aspects in the MOA.

The NHEP accomplishes its monitoring program by promoting cooperation by all agencies and organizations who participate in monitoring activities, in order to maximize the usefulness of current monitoring efforts (Jones and Langan, 2001). DES directs a state-wide river monitoring program called the Ambient River Monitoring Program (ARMP). The main goal of this program is to determine the physical, chemical and bacteriological quality of rivers in the state. Sampling typically occurs on a rotating basis by watershed during the summer months. The NHEP needed more frequent monitoring to meet the monitoring plan objectives. The NHEP and DES worked out an agreement to use the ARMP protocols, laboratory, and database while increasing the frequency of sampling collection to include monitoring of the nine major coastal rivers in the Great Bay Estuary during ice-out conditions.

The purpose of this report is to provide a record of completed river monitoring activities and the associated raw data. All data collected will be provided to the NHEP Coastal Scientist (Phil Trowbridge) for synthesis and interpretation. The NHEP Coastal Scientist will manage the data presented in this Final Report and will make conclusions under separate cover at a later time.

PROJECT GOALS AND OBJECTIVES

The overall goal of the NHEP monitoring program is to develop a better understanding of the status and trends of estuarine environmental quality using scientifically credible information. The *Monitoring Plan* was also developed to evaluate the success of the NHEP *Management Plan* objectives and this was accomplished by converting the *Management Plan* objectives into monitoring questions.

The *Monitoring Plan* questions that pertain, at least in part, to the river monitoring are as follows:

1. Have the fecal coliform, enterococci, and *E. coli* levels changed significantly over time?
2. Has dry weather bacterial contamination changed significantly over time?
3. Has wet weather bacterial contamination changed significantly over time?
4. Have levels of dissolved and particulate nitrogen and phosphorus significantly changed over time?
5. Have surface tidal or freshwaters shown a significant change in turbidity over time?
6. Do any surface tidal or freshwaters show less than 75% saturation of dissolved oxygen? For what period of time?

SITE SELECTION AND METHODS

Initial site selection for ambient tributary monitoring was based six existing DES ARMP sites at the Great Bay Estuary tidal dams on the Exeter, Lamprey, Oyster, Bellamy, Cocheco and Salmon Falls Rivers. Two additional sites were established on the freshwater portions of two Little Harbor tributaries, Berry's Brook and Sagamore Creek. These two site locations were added to broaden the spatial coverage of the ambient monitoring to ensure adequate coverage of tributaries that discharge into shellfish growing waters. An additional Great Bay Estuary site was established on the Winnicut River at the tidal dam in March 2002. This new site was added because the Winnicut River is a significant tributary to Great Bay that was not currently monitored for water quality. A site map is provided in Appendix A.

Field and laboratory methods were conducted in accordance with the DES ARMP standard procedures as described in the *Ambient River Monitoring Program Quality Assurance Project Plan*. Samples were collected from the freshwater portion of the rivers at the downstream side of road crossings (except at where it is unsafe and then the sampling is conducted on the upstream side) using a sampling bucket and rope. Field measurements were made for dissolved oxygen, temperature, specific conductance, pH, and turbidity. River water was poured into sampling containers for laboratory analysis for total Kjeldahl nitrogen (TKN), ammonia, nitrate/nitrite, total phosphorus, *E. coli*, total suspended solids and chlorophyll-a. Samples were transported to and analyzed by the DES Laboratory Services Unit and the Limnology Laboratory.

The DES Watershed Assistance Staff collected samples on a pre-scheduled monthly basis from March through December 2006 at the nine sampling sites. Due to the expanded quality assurance requirements of ARMP in 2003 and the delivery time limitations of the Laboratory Services Unit, the sampling was conducted over a two day period. The sites and sampling dates are listed below in Tables 1 and 2, respectively.

Table 1 Sampling sites for ambient river monitoring 2006

Site Identification	River	Town
05-BER	Berry's Brook	Rye
05-SAG	Sagamore Creek	Portsmouth
02-WNC	Winnicut River	Greenland
09-EXT	Exeter River	Exeter
05-LMP	Lamprey River	Newmarket
05-OYS	Oyster River	Durham
05-BLM	Bellamy River	Dover
07-CCH	Cocheco River	Dover
05-SFR	Salmon Falls River	Rollinsford

Table 2 Sampling dates for ambient river monitoring 2006

Date Sampled	Sampling Sites
3/20/06	05-BER, 05-SAG, 02-WNC, 09-EXT
3/22/06	05-SFR, 07-CCH, 05-BLM, 05-OYS, 05-LMP
4/24/06	05-BER, 05-SAG, 02-WNC, 09-EXT
4/26/06	05-SFR, 07-CCH, 05-BLM, 05-OYS, 05-LMP
5/31/06	05-BER, 05-SAG, 02-WNC, 09-EXT
6/2/06	05-SFR, 07-CCH, 05-BLM, 05-OYS, 05-LMP
6/19/06	05-SFR, 07-CCH, 05-BLM, 05-OYS, 05-LMP
6/21/06	05-BER, 05-SAG, 02-WNC, 09-EXT
7/18/06	05-BER, 05-SAG, 02-WNC, 09-EXT
7/19/06	05-SFR, 07-CCH, 05-BLM, 05-OYS, 05-LMP
8/15/06	05-BER, 05-SAG, 02-WNC, 09-EXT
8/16/06	05-SFR, 07-CCH, 05-BLM, 05-OYS, 05-LMP
9/19/06	05-SFR, 07-CCH, 05-BLM, 05-OYS
9/20/06	05-OYS, 09-EXT, 02-WNC, 05-SAG, 05-BER
10/17/06	05-SFR, 07-CCH, 05-BLM, 05-OYS, 05-LMP
10/18/06	09-EXT, 02-WNC, 05-SAG, 05-BER
11/15/05	07-CCH, 06-BLM, 05-OYS, 05-LMP, 02-WNC
11/16/06	05-SFR, 09-EXT, 05-SAG, 05-BER
12/06/06	05-SFR, 07-CCH, 06-BLM, 05-OYS
12/07/06	05-LMP, 09-EXT, 02-WNC, 05-SAG, 05-BER

FIELD AND LABORATORY DATA

Ambient river data for 2006 are in Appendix B. The data are organized by sampling site and date. Access to the data is available at the DES website, which can be accessed by selecting environmental monitoring data at http://www.des.state.nh.us/OneStop/.

Duplicate measures of field parameters and laboratory samples were collected once per month at one of the nine sampling sites (see Table 3) as required by the *Quality Assurance Project Plan* (Piszczek, 2002). Data retention for water quality assessment purposes is contingent on compliance with a parameter-specific relative percent difference (RPD) as described in the QAPP and Table 4. Several data did not comply with the RPDs. A list of the results that were deemed invalid (both field and laboratory measures) is provided in Appendix C and this is noted in the data tables (Appendix B).

Table 3 Field and laboratory duplicate dates and sites

Date	Sampling Site
3/20/06	02-WNC
4/24/06	02-WNC
5/31/06	05-BER
6/21/06	02-WNC
7/18/06	05-BER
8/15/06	05-BER
9/19/06	05-OYS
10/18/06	05-SAG
11/16/06	05-SAG
12/06/06	O5-OYS

Table 4 Field analytical QC sample table.

Water Quality Parameter	QC Check	QC Acceptance Limit
Dissolved Oxygen	Field duplicate	RPD < 5%
Temperature	Field duplicate	RPD < 5%
pH	Field duplicate	RPD < 0.2 std units
Specific Conductance	Field duplicate	RPD < 5%
Turbidity	Field duplicate	RPD < 5%

RECOMMENDATIONS

The following recommendations pertain to the ambient monitoring of coastal rivers.

1. Monitoring should continue on a monthly basis at the nine coastal river sites to continue trend monitoring of ambient river quality. Baseline conditions and trends will be important in regards to measuring the success of the NHEP *Management Plan* implementation.
2. An additional site should be added at the head-of-tide of the Great Works River, a tributary to the Salmon Falls River. The Salmon Falls River sampling location is upstream of this major river tributary.

REFERENCES

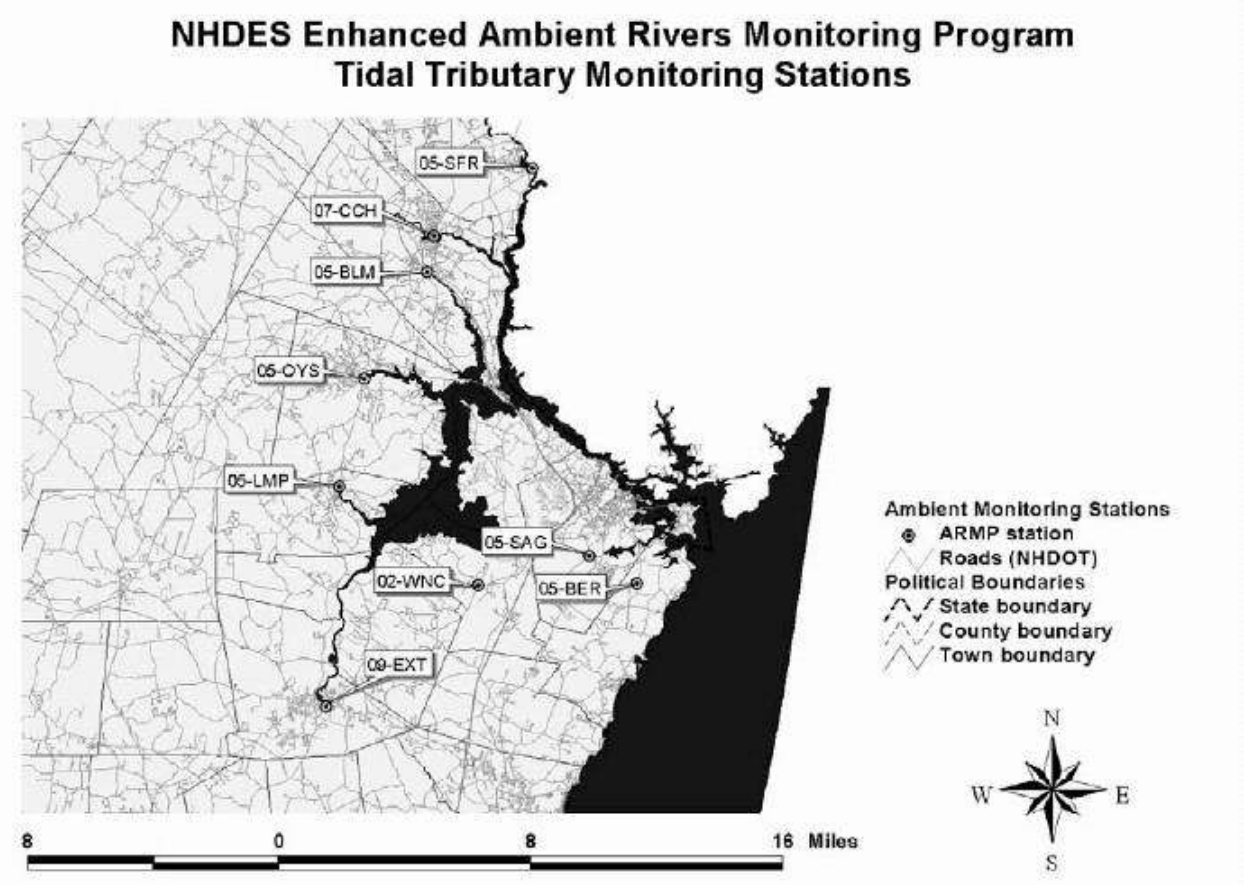
Jones, S. H. and R. Langan. 2001. *New Hampshire Estuaries Monitoring Plan*. New Hampshire Estuaries Project, Office of State Planning, Portsmouth, NH.

NHEP. 2000. *New Hampshire Estuaries Project Management Plan*. New Hampshire Estuaries Project, Office of State Planning. Portsmouth, New Hampshire.

Piszczek, P. 2002. *Ambient River Monitoring Program Quality Assurance Project Plan.* NH Department of Environmental Services, Water Division-Watershed Management Bureau, Concord, NH.

Trowbridge, P. 2002. *New Hampshire Estuaries Project Monitoring Plan*. New Hampshire Department of Environmental Services, Concord, NH.

APPENDIX A - RIVER MONITORING SITE LOCATIONS



APPENDIX B – AMBIENT RIVER DATA FOR COASTAL TRIBUTARIES

Winnicut River at Rt. 33 Bridge,
Greenland, 02-WNC
Note: Data not meeting RPD are shaded.

ACTIVITY	START	START	CHL	CHL	DO	DO	DO SAT	DO SAT			
CATEGORY	DATE	TIME	RESULTS	UNITS	RESULTS	UNITS	RESULTS	UNITS			
ROUTINE SAMPLE	03/20/2006	10:28:00	1.47	UG/L	13.22	MG/L	96.3	%			
FIELD DUPLICATE	03/20/2006	10:28:00	1.64	UG/L	13.04	MG/L	94.8	%			
ROUTINE SAMPLE	04/24/2006	10:22:00	NDR	UG/L	9.12	MG/L	80.9	%			
FIELD DUPLICATE	04/24/2006	10:22:00			9.11	MG/L	80.7	%			
ROUTINE SAMPLE	05/31/2006	12:00:00	3.04	UG/L	3.99	MG/L	47.4	%			
ROUTINE SAMPLE	06/21/2006	10:32:00	3.04	UG/L	4.09	MG/L	48.3	%			
FIELD DUPLICATE	06/21/2006	10:32:00	3.96	UG/L	5.62	MG/L	63.2	%			
ROUTINE SAMPLE	07/18/2006	10:20:00	1.16	UG/L	3.11	MG/L	38.9	%			
ROUTINE SAMPLE	08/15/2006	10:26:00	7.06	UG/L	6.54	MG/L	74.8	%			
ROUTINE SAMPLE	09/20/2006	10:45:00	3.94	UG/L	5.72	MG/L	62.3	%			
ROUTINE SAMPLE	10/18/2006	10:31:00	2.28	UG/L	8.57	MG/L	75.1	%			
ROUTINE SAMPLE	11/15/2006	11:08:00	1.2	UG/L	8.45	MG/L	76.3	%			
ROUTINE SAMPLE	12/07/2006	10:25:00	0.68	UG/L	12.02	MG/L	87.6	%			
ACTIVITY	START	START	EC	EC	EC	NITR	NITR	NITR	TKN	TKN	
CATEGORY	DATE	TIME	RESULTS	QUAL	UNITS	RESULTS	QUALIFIER	UNITS	RESULTS	UNITS	
ROUTINE SAMPLE	03/20/2006	10:28:00	10		CTS/100ML	0.2	<	MG/L	0.4	MG/L	
FIELD DUPLICATE	03/20/2006	10:28:00	10	<	CTS/100ML	0.2	<	MG/L	0.3	MG/L	
ROUTINE SAMPLE	04/24/2006	10:22:00	330		CTS/100ML	ND		MG/L	0.42	MG/L	

FIELD DUPLICATE	04/24/2006	10:22:00	260		CTS/100ML	ND		MG/L	0.44	MG/L	
ROUTINE SAMPLE	05/31/2006	12:00:00	160		CTS/100ML	0.16		MG/L	0.7	MG/L	
ROUTINE SAMPLE	06/21/2006	10:32:00	110		CTS/100ML	0.19		MG/L	0.9	MG/L	
FIELD DUPLICATE	06/21/2006	10:32:00	70		CTS/100ML	0.082		MG/L	0.9	MG/L	
ROUTINE SAMPLE	07/18/2006	10:20:00	ND		CTS/100ML	0.09		MG/L	1	MG/L	
ROUTINE SAMPLE	08/15/2006	10:26:00	60		CTS/100ML	ND		MG/L	0.7	MG/L	
ROUTINE SAMPLE	09/20/2006	10:45:00	1590		CTS/100ML	0.055		MG/L	0.52	MG/L	
ROUTINE SAMPLE	10/18/2006	10:31:00	90		CTS/100ML	ND		MG/L	0.61	MG/L	
ROUTINE SAMPLE	11/15/2006	11:08:00	60		CTS/100ML	ND		MG/L	0.48	MG/L	
ROUTINE SAMPLE	12/07/2006	10:25:00	20		CTS/100ML	ND		MG/L	0.4	MG/L	
ACTIVITY	**START**	**START**	**NO2NO3**	**NO2NO3**	**NO2NO3**	**PH**	**PH**	**P**	**P**	**COND**	**COND**
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUALIFIER**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**
ROUTINE SAMPLE	03/20/2006	10:28:00	0.23		MG/L	7.01	UNITS	0.027	MG/L	201.6	UMHOS/CM
FIELD DUPLICATE	03/20/2006	10:28:00	0.23		MG/L	7	UNITS	0.028	MG/L	201.2	UMHOS/CM
ROUTINE SAMPLE	04/24/2006	10:22:00	0.2		MG/L	6.76	UNITS	0.036	MG/L	365.8	UMHOS/CM
FIELD DUPLICATE	04/24/2006	10:22:00	0.2		MG/L	6.95	UNITS	0.032	MG/L	365.8	UMHOS/CM
ROUTINE SAMPLE	05/31/2006	12:00:00	0.22		MG/L	6.64	UNITS	0.18	MG/L	302.6	UMHOS/CM
ROUTINE SAMPLE	06/21/2006	10:32:00	0.22		MG/L	6.66	UNITS	0.18	MG/L	302.5	UMHOS/CM
FIELD DUPLICATE	06/21/2006	10:32:00	0.16		MG/L	7.28	UNITS	0.056	MG/L	290.3	UMHOS/CM
ROUTINE SAMPLE	07/18/2006	10:20:00	ND		MG/L	6.95	UNITS	0.14	MG/L	272.3	UMHOS/CM
ROUTINE SAMPLE	08/15/2006	10:26:00	0.15		MG/L	6.86	UNITS	0.061	MG/L	335.8	UMHOS/CM
ROUTINE SAMPLE	09/20/2006	10:45:00	0.14		MG/L	6.88	UNITS	0.066	MG/L	350.5	UMHOS/CM

ROUTINE SAMPLE	10/18/2006	10:31:00	0.11		MG/L	7.12	UNITS	0.05	MG/L	319.1	UMHOS/CM
ROUTINE SAMPLE	11/15/2006	11:08:00	ND		MG/L	7.19	UNITS	0.038	MG/L	150.6	UMHOS/CM
ROUTINE SAMPLE	12/07/2006	10:25:00	0.28		MG/L	5.89	UNITS	0.028	MG/L	261.1	UMHOS/CM

ACTIVITY	**START**	**START**	**TEMP**	**TEMP**	**TSS**	**TSS**	**TSS**	**TURB**	**TURB**	**WEATHER COMMENTS**
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**
ROUTINE SAMPLE	03/20/2006	10:28:00	2.3	DEG C	5	<	MG/L	1.4	NTU	CLOUDY W/O RAIN, WIND, 30'S
FIELD DUPLICATE	03/20/2006	10:28:00	2.1	DEG C	5	<	MG/L	1.5	NTU	CLOUDY W/O RAIN, WINDY, 30'S
ROUTINE SAMPLE	04/24/2006	10:22:00	10	DEG C	6		MG/L	3.6	NTU	CLOUDY W/O RAIN, CALM, 40'S
FIELD DUPLICATE	04/24/2006	10:22:00	10	DEG C	2		MG/L	3.7	NTU	CLOUDY W/O RAIN, CALM, 40S
ROUTINE SAMPLE	05/31/2006	12:00:00	24	DEG C	ND		MG/L	10	NTU	CLEAR, BREEZE, 70S
ROUTINE SAMPLE	06/21/2006	10:32:00	23.6	DEG C	ND		MG/L	10	NTU	CLEAR, BREEZE, 70S
FIELD DUPLICATE	06/21/2006	10:32:00	21.2	DEG C	0		MG/L	3.4	NTU	CLOUDY W/OUT RAIN, BREEZE, 60S
ROUTINE SAMPLE	07/18/2006	10:20:00	26.2	DEG C	ND		MG/L	4.5	NTU	CLEAR, BREEZE, 80S
ROUTINE SAMPLE	08/15/2006	10:26:00	22.1	DEG C	ND		MG/L	5.2	NTU	CLOUDY W/O RAIN, BREEZE, 70'S
ROUTINE SAMPLE	09/20/2006	10:45:00	19.4	DEG C	ND		MG/L	9.8	NTU	CLEAR, BREEZE, 80'S
ROUTINE SAMPLE	10/18/2006	10:31:00	9.4	DEG C	ND		MG/L	6.5	NTU	CLOUDY W/O RAIN, CALM, 60'S
ROUTINE SAMPLE	11/15/2006	11:08:00	10.8	DEG C	ND		MG/L	4.4	NTU	CLOUDY W/O RAIN, BREEZE, 60'S
ROUTINE SAMPLE	12/07/2006	10:25:00	2.3	DEG C	ND		MG/L	3.7	NTU	CLEAR, BREEZE, 40S

Legend		
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN	
DO	DISSOLVED OXYGEN	

DO SAT	DISSOLVED OXYGEN SATURATION										
DELETED	LAB ACCIDENT/ERROR										
EC	ESCHERICHIA COLI										
NITR	NITROGEN AMMONIA										
TKN	NITROGEN KJELDAHL										
nd	NO SAMPLE COLLECTED OR NO MEASUREMENT MADE										
ndr	DID NOT MEET LAB QC										
NO2NO3	NITROGEN NITRATE + NITRITE										
P	PHOSPHORUS AS P										
QUAL	QUALIFIER										
COND	SPECIFIC CONDUCTANCE										
TEMP	TEMPERATURE WATER										
TSS	TOTAL SUSPENDED SOLIDS										
TURB	TURBIDITY										

Berry's Brook at Sagamore Ave.,
Rye, 05-BER
Note: Data not meeting RPD are shaded.

ACTIVITY CATEGORY	START DATE	START TIME	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS				
ROUTINE SAMPLE	03/20/2006	09:27:00	0.9	UG/L	11.13	MG/L	77.4	%				
ROUTINE SAMPLE	04/24/2006	10:59:00	NDR	UG/L	7.16	MG/L	61.3	%				
ROUTINE SAMPLE	05/31/2006	10:52:00	3.77	UG/L	2.63	MG/L	29.5	%				
FIELD DUPLICATE	05/31/2006	10:52:00	2.35	UG/L	4.32	MG/L	45.7	%				
ROUTINE SAMPLE	06/21/2006	09:24:00	2.54	UG/L	4.43	MG/L	46.9	%				
ROUTINE	07/18/2006	09:32:00	-1.28	UG/L	1.78	MG/L	21.1	%				

SAMPLE												
FIELD DUPLICATE	07/18/2006	09:32:00	2.95	UG/L	1.92	MG/L	23.2	%				
ROUTINE SAMPLE	08/15/2006	09:34:00	3.8	UG/L	2.74	MG/L	30.2	%				
FIELD DUPLICATE	08/15/2006	09:34:00	3.43	UG/L	2.87	MG/L	31.7	%				
ROUTINE SAMPLE	09/20/2006	09:50:00	1.93	UG/L	4.12	MG/L	43.7	%				
ROUTINE SAMPLE	10/18/2006	09:39:00	1.22	UG/L	6.25	MG/L	55.8	%				
ROUTINE SAMPLE	11/16/2006	11:27:00	0.49	UG/L	5.9	MG/L	54.6	%				
ROUTINE SAMPLE	12/07/2006	10:51:00	0.63	UG/L	10.18	MG/L	73.9	%				
ACTIVITY	**START**	**START**	**EC**	**EC**	**EC**	**NITR**	**NITR**	**NITR**	**TKN**	**TKN**		
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**		
ROUTINE SAMPLE	03/20/2006	09:27:00	10	<	CTS/100ML	0.2	<	MG/L	0.4	MG/L		
ROUTINE SAMPLE	04/24/2006	10:59:00	120		CTS/100ML	ND		MG/L	0.69	MG/L		
ROUTINE SAMPLE	05/31/2006	10:52:00	350		CTS/100ML	ND		MG/L	1	MG/L		
FIELD DUPLICATE	05/31/2006	10:52:00	80		CTS/100ML	ND		MG/L	0.8	MG/L		
ROUTINE SAMPLE	06/21/2006	09:24:00	80		CTS/100ML	ND		MG/L	0.7	MG/L		
ROUTINE SAMPLE	07/18/2006	09:32:00	170		CTS/100ML	ND		MG/L	1	MG/L		
FIELD DUPLICATE	07/18/2006	09:32:00	60		CTS/100ML	ND		MG/L	1	MG/L		
ROUTINE SAMPLE	08/15/2006	09:34:00	490		CTS/100ML	0.05		MG/L	1	MG/L		
FIELD DUPLICATE	08/15/2006	09:34:00	450		CTS/100ML	0.05		MG/L	0.9	MG/L		
ROUTINE SAMPLE	09/20/2006	09:50:00	1560		CTS/100ML	ND		MG/L	0.8	MG/L		
ROUTINE	10/18/2006	09:39:00	150		CTS/100ML	ND		MG/L	0.66	MG/L		

SAMPLE												
ROUTINE SAMPLE	11/16/2006	11:27:00	370		CTS/100ML	ND		MG/L	0.77	MG/L		
ROUTINE SAMPLE	12/07/2006	10:51:00	70		CTS/100ML	ND		MG/L	0.4	MG/L		
ACTIVITY	**START**	**START**	**NO2NO3**	**NO2NO3**	**NO2NO3**	**PH**	**PH**	**P**	**P**	**COND**	**COND**	
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	
ROUTINE SAMPLE	03/20/2006	09:27:00	0.05	<	MG/L	6.39	UNITS	0.032	MG/L	151.5	UMHOS/CM	
ROUTINE SAMPLE	04/24/2006	10:59:00	ND		MG/L	6.35	UNITS	0.044	MG/L	290.9	UMHOS/CM	
ROUTINE SAMPLE	05/31/2006	10:52:00	ND		MG/L	6.08	UNITS	0.065	MG/L	241.9	UMHOS/CM	
FIELD DUPLICATE	05/31/2006	10:52:00	ND		MG/L	6.65	UNITS	0.043	MG/L	258.9	UMHOS/CM	
ROUTINE SAMPLE	06/21/2006	09:24:00	ND		MG/L	6.76	UNITS	0.044	MG/L	258	UMHOS/CM	
ROUTINE SAMPLE	07/18/2006	09:32:00	ND		MG/L	6.64	UNITS	0.074	MG/L	202	UMHOS/CM	
FIELD DUPLICATE	07/18/2006	09:32:00	ND		MG/L	6.27	UNITS	0.077	MG/L	202.1	UMHOS/CM	
ROUTINE SAMPLE	08/15/2006	09:34:00	ND		MG/L	5.96	UNITS	0.052	MG/L	246.9	UMHOS/CM	
FIELD DUPLICATE	08/15/2006	09:34:00	ND		MG/L	6.02	UNITS	0.049	MG/L	247.1	UMHOS/CM	
ROUTINE SAMPLE	09/20/2006	09:50:00	ND		MG/L	6.06	UNITS	0.054	MG/L	210.2	UMHOS/CM	
ROUTINE SAMPLE	10/18/2006	09:39:00	ND		MG/L	6.27	UNITS	0.033	MG/L	224.4	UMHOS/CM	
ROUTINE SAMPLE	11/16/2006	11:27:00	ND		MG/L	7.03	UNITS	0.027	MG/L	137.5	UMHOS/CM	
ROUTINE SAMPLE	12/07/2006	10:51:00	ND		MG/L	5.59	UNITS	0.02	MG/L	185.6	UMHOS/CM	
ACTIVITY	**START**	**START**	**TEMP**	**TEMP**	**TSS**	**TSS**	**TSS**	**TURB**	**TURB**	**WEATHER COMMENTS**		
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**		
ROUTINE SAMPLE	03/20/2006	09:27:00	0.6	DEG C	5	<	MG/L	2.9	NTU	CLOUDY W/O RAIN, 20'S, BREEZE		

ROUTINE SAMPLE	04/24/2006	10:59:00	8.6	DEG C	5		MG/L	2.3	NTU	CLOUDY W/O RAIN, CALM, 40'S
ROUTINE SAMPLE	05/31/2006	10:52:00	20.9	DEG C	5		MG/L	2.2	NTU	CLEAR, CALM 70S
FIELD DUPLICATE	05/31/2006	10:52:00	18.2	DEG C	3.5		MG/L	1.6	NTU	CLOUDY W/OUT RAIN, CALM, 60S
ROUTINE SAMPLE	06/21/2006	09:24:00	18.2	DEG C	9		MG/L	1.7	NTU	CALM, CLOUDY WITHOUT RAIN, 60S
ROUTINE SAMPLE	07/18/2006	09:32:00	23.6	DEG C	ND		MG/L	1.9	NTU	CLEAR, BREEZE, 80S
FIELD DUPLICATE	07/18/2006	09:32:00	23.9	DEG C	ND		MG/L	1.9	NTU	CLEAR, BREEZE, CALM, 80S
ROUTINE SAMPLE	08/15/2006	09:34:00	20.1	DEG C	6		MG/L	2	NTU	CLOUDY W/O RAIN, BREEZE, 70'S
FIELD DUPLICATE	08/15/2006	09:34:00	20.2	DEG C	ND		MG/L	2	NTU	CLOUDY W/O RAIN, BREEZE, 70'S
ROUTINE SAMPLE	09/20/2006	09:50:00	18.1	DEG C	ND		MG/L	2.2	NTU	CLEAR, BREEZE, 70'S
ROUTINE SAMPLE	10/18/2006	09:39:00	10.3	DEG C	ND		MG/L	1.5	NTU	CLOUDY W/O RAIN, WINDY, 60'S
ROUTINE SAMPLE	11/16/2006	11:27:00	11.2	DEG C	ND		MG/L	1.2	NTU	CLOUDY W/RAIN, CALM, 50'S
ROUTINE SAMPLE	12/07/2006	10:51:00	2.1	DEG C	ND		MG/L	0.8	NTU	CLEAR, BREEZE, 40S

Legend													
COND	SPECIFIC CONDUCTANCE					TEMP	TEMPERATURE WATER						
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN					TSS	TOTAL SUSPENDED SOLIDS						
DO	DISSOLVED OXYGEN					TURB	TURBIDITY						
DO SAT	DISSOLVED OXYGEN SATURATION												
DELETED	LAB ACCIDENT/ERROR												
EC	ESCHERICHIA COLI												
NITR	NITROGEN AMMONIA												
TKN	NITROGEN KJELDAHL												
ND	NO SAMPLE COLLECTED OR NO MEASUREMENT MADE												
NDR+A1	DID NOT MEET LAB QC												

NO2NO3	NITROGEN NITRATE + NITRITE											
P	PHOSPHORUS AS P											
QUAL	QUALIFIER											

Bellamy River at Rt. 108 Bridge,
Dover, 05-BLM
Note: Data not meeting RPD are shaded.

ACTIVITY	**START**	**START**	**CHL**	**CHL**	**DO**	**DO**	**DO SAT**	**DO SAT**				
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**				
ROUTINE SAMPLE	03/22/2006	10:17:00	1.09	UG/L	13.31	MG/L	101.1	%				
ROUTINE SAMPLE	04/26/2006	10:07:00	NDR	UG/L	10.26	MG/L	95.7	%				
ROUTINE SAMPLE	06/02/2006	11:47:00	3.63	UG/L	7.98	MG/L	88.2	%				
ROUTINE SAMPLE	06/19/2006	10:17:00	2.7	UG/L	7.81	MG/L	99.1	%				
ROUTINE SAMPLE	07/19/2006	09:55:00	15.48	UG/L	7.27	MG/L	90.4	%				
ROUTINE SAMPLE	08/16/2006	09:59:00	10.43	UG/L	8.34	MG/L	97.7	%				
ROUTINE SAMPLE	09/19/2006	10:30:00	12.52	UG/L	9.23	MG/L	102.5	%				
ROUTINE SAMPLE	10/17/2006	10:26:00	2.17	UG/L	9.64	MG/L	87.5	%				
ROUTINE SAMPLE	11/15/2006	10:03:00	1.58	UG/L	10.71	MG/L	94.9	%				
ROUTINE SAMPLE	12/06/2006	10:09:00	1.22	UG/L	12.47	MG/L	93	%				
ACTIVITY	**START**	**START**	**EC**	**EC**	**EC**	**NITR**	**NITR**	**NITR**	**TKN**	**TKN**		
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**		
ROUTINE	03/22/2006	10:17:00	10	<	CTS/100ML	0.2	<	MG/L	0.25	MG/L		

SAMPLE												
ROUTINE SAMPLE	04/26/2006	10:07:00	20		CTS/100ML	ND		MG/L	0.32	MG/L		
ROUTINE SAMPLE	06/02/2006	11:47:00	2000	>	CTS/100ML	ND		MG/L	0.8	MG/L		
ROUTINE SAMPLE	06/19/2006	10:17:00	20		CTS/100ML	ND		MG/L	ND	MG/L		
ROUTINE SAMPLE	07/19/2006	09:55:00	50		CTS/100ML	ND		MG/L	0.51	MG/L		
ROUTINE SAMPLE	08/16/2006	09:59:00	10	<	CTS/100ML	ND		MG/L	0.4	MG/L		
ROUTINE SAMPLE	09/19/2006	10:30:00	220		CTS/100ML	ND		MG/L	0.4	MG/L		
ROUTINE SAMPLE	10/17/2006	10:26:00	40		CTS/100ML	ND		MG/L	0.45	MG/L		
ROUTINE SAMPLE	11/15/2006	10:03:00	60		CTS/100ML	ND		MG/L	0.57	MG/L		
ROUTINE SAMPLE	12/06/2006	10:09:00	10	<	CTS/100ML	ND		MG/L	0.3	MG/L		
ACTIVITY	**START**	**START**	**NO2NO3**	**NO2NO3**	**NO2NO3**	**PH**	**PH**	**P**	**P**	**COND**	**COND**	
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUALIFIER**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	
ROUTINE SAMPLE	03/22/2006	10:17:00	0.17		MG/L	7.05	UNITS	0.024	MG/L	73.4	UMHOS/CM	
ROUTINE SAMPLE	04/26/2006	10:07:00	ND		MG/L	6.87	UNITS	0.024	MG/L	135.5	UMHOS/CM	
ROUTINE SAMPLE	06/02/2006	11:47:00	0.1		MG/L	6.33		0.088	MG/L	107.2	UMHOS/CM	
ROUTINE SAMPLE	06/19/2006	10:17:00	ND		MG/L	6.48	UNITS	0.028	MG/L	84.1	UMHOS/CM	
ROUTINE SAMPLE	07/19/2006	09:55:00	ND		MG/L	6.72	UNITS	0.041	MG/L	108.7	UMHOS/CM	
ROUTINE SAMPLE	08/16/2006	09:59:00	ND		MG/L	6.94	UNITS	0.039	MG/L	203	UMHOS/CM	
ROUTINE SAMPLE	09/19/2006	10:30:00	ND		MG/L	6.99	UNITS	0.031	MG/L	219.03	UMHOS/CM	
ROUTINE SAMPLE	10/17/2006	10:26:00	ND		MG/L	6.5	UNITS	0.03	MG/L	113.8	UMHOS/CM	
ROUTINE	11/15/2006	10:03:00	ND		MG/L	7.18	UNITS	0.027	MG/L	84.5	UMHOS/CM	

SAMPLE												
ROUTINE SAMPLE	12/06/2006	10:09:00	ND		MG/L	7.05	UNITS	0.021	MG/L	81.7	UMHOS/CM	
ACTIVITY	**START**	**START**	**TEMP**	**TEMP**	**TSS**	**TSS**	**TSS**	**TURB**	**TURB**	**WEATHER COMMENTS**		
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**		
ROUTINE SAMPLE	03/22/2006	10:17:00	3.9	DEG C	5	<	MG/L	2.2	NTU	CLOUDY W/O RAIN, 30S, BREEZE		
ROUTINE SAMPLE	04/26/2006	10:07:00	12.1	DEG C	3.5		MG/L	3.2	NTU	CLEAR, BREEZE, 50'S		
ROUTINE SAMPLE	06/02/2006	11:47:00	20.2	DEG C	23		MG/L	22	NTU	CLOUDY W/ RAIN, CALM, 60S		
ROUTINE SAMPLE	06/19/2006	10:17:00	27.5	DEG C	ND		MG/L	1.9	NTU	CLEAR, BREEZE, 80S		
ROUTINE SAMPLE	07/19/2006	09:55:00	26.5	DEG C	ND		MG/L	3.7	NTU	CLEAR, BREEZE, 80S		
ROUTINE SAMPLE	08/16/2006	09:59:00	23.4	DEG C	ND		MG/L	4.4	NTU	CLEAR, BREEZE, 80'S		
ROUTINE SAMPLE	09/19/2006	10:30:00	20.5	DEG C	ND		MG/L	3.9	NTU	CLOUDY W/O RAIN, CALM, 70'S		
ROUTINE SAMPLE	10/17/2006	10:26:00	10.9	DEG C	ND		MG/L	8	NTU	CLOUDY W/O RAIN, BREEZY, 50'S		
ROUTINE SAMPLE	11/15/2006	10:03:00	10	DEG C	ND		MG/L	3.9	NTU	CLOUDY W/O RAIN, BREEZE, 60'S		
ROUTINE SAMPLE	12/06/2006	10:09:00	3.1	DEG C	ND		MG/L	2.3	NTU	CLOUDY W/O RAIN, CALM, 30S		
Legend												
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN											
DO	DISSOLVED OXYGEN											
DO SAT	DISSOLVED OXYGEN SATURATION											
DELETED	LAB ACCIDENT/ERROR											
EC	ESCHERICHIA COLI											
NITR	NITROGEN AMMONIA											
TKN	NITROGEN KJELDAHL											
ND	NO SAMPLE COLLECTED OR NO MEASUREMENT MADE											

ndr	DID NOT MEET LAB QC										
NO2NO3	NITROGEN NITRATE + NITRITE										
P	PHOSPHORUS AS P										
QUAL	QUALIFIER										
COND	SPECIFIC CONDUCTANCE										
TEMP	TEMPERATURE WATER										
TSS	TOTAL SUSPENDED SOLIDS										
TURB	TURBIDITY										

Lamprey River at Rt. 108 Bridge,
Newmarket, 05-LMP
Note: Data not meeting RPD are shaded.

ACTIVITY	START	START	CHL	CHL	DO	DO	DO SAT	DO SAT				
CATEGORY	DATE	TIME	RESULTS	UNITS	RESULTS	UNITS	RESULTS	UNITS				
ROUTINE SAMPLE	03/22/2006	11:09:00	1.07	UG/L	13.51	MG/L	99.2	%				
ROUTINE SAMPLE	04/26/2006	10:44:00	NDR	UG/L	10.71	MG/L	98.6	%				
ROUTINE SAMPLE	06/02/2006	10:48:00	2.92	UG/L	7.93	MG/L	89.3	%				
ROUTINE SAMPLE	06/19/2006	11:08:00	4.74	UG/L	8.2	MG/L	101.5	%				
ROUTINE SAMPLE	07/19/2006	10:31:00	5.54	UG/L	7.23	MG/L	90.8	%				
ROUTINE SAMPLE	08/16/2006	10:37:00	6	UG/L	8.81	MG/L	104.4	%				
ROUTINE SAMPLE	09/20/2006	11:56:00	9.12	UG/L	8.38	MG/L	96	%				
ROUTINE SAMPLE	10/17/2006	11:05:00	1.98	UG/L	10.25	MG/L	91.4	%				
ROUTINE SAMPLE	11/15/2006	10:41:00	1.25	UG/L	10.61	MG/L	94.4	%				
ROUTINE SAMPLE	12/07/2006	09:56:00	1.17	UG/L	12.87	MG/L	95.1	%				
ACTIVITY	START	START	EC	EC	EC	NITR	NITR	NITR	TKN	TKN		
CATEGORY	DATE	TIME	RESULTS	QUAL	UNITS	RESULTS	QUAL	UNITS	RESULTS	UNITS		
ROUTINE SAMPLE	03/22/2006	11:09:00	10	<	CTS/100ML	0.05	<	MG/L	0.3	MG/L		
ROUTINE SAMPLE	04/26/2006	10:44:00	30		CTS/100ML	ND		MG/L	0.28	MG/L		

ROUTINE SAMPLE	06/02/2006	10:48:00	160		CTS/100ML	ND		MG/L	0.5	MG/L		
ROUTINE SAMPLE	06/19/2006	11:08:00	100		CTS/100ML	ND		MG/L	0.4	MG/L		
ROUTINE SAMPLE	07/19/2006	10:31:00	40		CTS/100ML	ND		MG/L	0.43	MG/L		
ROUTINE SAMPLE	08/16/2006	10:37:00	10	<	CTS/100ML	ND		MG/L	0.4	MG/L		
ROUTINE SAMPLE	09/20/2006	11:56:00	240		CTS/100ML	ND		MG/L	0.4	MG/L		
ROUTINE SAMPLE	10/17/2006	11:05:00	30		CTS/100ML	ND		MG/L	0.46	MG/L		
ROUTINE SAMPLE	11/15/2006	10:41:00	170		CTS/100ML	ND		MG/L	0.35	MG/L		
ROUTINE SAMPLE	12/07/2006	09:56:00	30		CTS/100ML	ND		MG/L	ND	MG/L		
ACTIVITY	**START**	**START**	**NO2NO3**	**NO2NO3**	**NO2NO3**	**PH**	**PH**	**P**	**P**	**COND**	**COND**	
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	
ROUTINE SAMPLE	03/22/2006	11:09:00	0.16		MG/L	7.07	UNITS	0.022	MG/L	75.2	UMHOS/CM	
ROUTINE SAMPLE	04/26/2006	10:44:00	0.14		MG/L	7.08	UNITS	0.022	MG/L	144	UMHOS/CM	
ROUTINE SAMPLE	06/02/2006	10:48:00	0.14		MG/L	6.42	UNITS	0.03	MG/L	123.1	UMHOS/CM	
ROUTINE SAMPLE	06/19/2006	11:08:00	0.11		MG/L	6.48	UNITS	0.027	MG/L	102	UMHOS/CM	
ROUTINE SAMPLE	07/19/2006	10:31:00	0.15		MG/L	6.68	UNITS	0.033	MG/L	114.2	UMHOS/CM	
ROUTINE SAMPLE	08/16/2006	10:37:00	0.1		MG/L	7.1	UNITS	0.027	MG/L	148.6	UMHOS/CM	
ROUTINE SAMPLE	09/20/2006	11:56:00	0.1		MG/L	6.98	UNITS	0.026	MG/L	149.6	UMHOS/CM	
ROUTINE SAMPLE	10/17/2006	11:05:00	ND		MG/L	6.59	UNITS	0.023	MG/L	90.8	UMHOS/CM	
ROUTINE SAMPLE	11/15/2006	10:41:00	ND		MG/L	7.24	UNITS	0.028	MG/L	71.7	UMHOS/CM	
ROUTINE SAMPLE	12/07/2006	09:56:00	0.13		MG/L	5.6	UNITS	0.018	MG/L	88.6	UMHOS/CM	
ACTIVITY	**START**	**START**	**TEMP**	**TEMP**	**TSS**	**TSS**	**TSS**	**TURB**	**TURB**	**WEATHER COMMENTS**		
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**		
ROUTINE SAMPLE	03/22/2006	11:09:00	2.6	DEG C	5	<	MG/L	1.6	NTU	CLOUDY W/O RAIN, BREEZE, 30'S		
ROUTINE SAMPLE	04/26/2006	10:44:00	11.6	DEG C	8		MG/L	1.8	NTU	CLEAR, BREEZE, 50'S		
ROUTINE SAMPLE	06/02/2006	10:48:00	21.1	DEG C	9		MG/L	2.3	NTU	CLOUDY W/RAIN, CALM, 60S		
ROUTINE SAMPLE	06/19/2006	11:08:00	26.3	DEG C	ND		MG/L	1.7	NTU	CLEAR, CALM, 80S		
ROUTINE SAMPLE	07/19/2006	10:31:00	27.1	DEG C	ND		MG/L	2	NTU	CLEAR, CALM, 80S		
ROUTINE SAMPLE	08/16/2006	10:37:00	24.1	DEG C	6		MG/L	1.9	NTU	CLEAR, BREEZE, 80'S		
ROUTINE SAMPLE	09/20/2006	11:56:00	22	DEG C	ND		MG/L	1.9	NTU	CLEAR, BREEZE, 80'S		
ROUTINE SAMPLE	10/17/2006	11:05:00	10.3	DEG C	ND		MG/L	1.8	NTU	CLOUDY W/O RAIN, BREEZE, 50'S		

ROUTINE SAMPLE	11/15/2006	10:41:00	10.2	DEG C	9.5		MG/L	3	NTU	CLOUDY W/O RAIN, CALM, 60'S		
ROUTINE SAMPLE	12/07/2006	09:56:00	2.9	DEG C	ND		MG/L	2	NTU	CLEAR, CALM, 40S		
LEDGEND												
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN					TSS	TOTAL SUSPENDED SOLIDS					
DO	DISSOLVED OXYGEN					TURB	TURBIDITY					
DO SAT	DISSOLVED OXYGEN SATURATION											
DELETED	LAB ACCIDENT/ERROR											
EC	ESCHERICHIA COLI											
NITR	NITROGEN AMMONIA											
TKN	NITROGEN KJELDAHL											
nd	NO SAMPLE COLLECTED OR NO MEASUREMENT MADE											
ndr	DID NOT MEET LAB QC											
NO2NO3	NITROGEN NITRATE + NITRITE											
P	PHOSPHORUS AS P											
QUAL	QUALIFIER											
COND	SPECIFIC CONDUCTANCE											
TEMP	TEMPERATURE WATER											

Oyster River at the Rt. 108 Bridge and Mill Pond,
Durham, 05-OYS
Note: Data not meeting RPD are shaded.

ACTIVITY CATEGORY	START DATE	START TIME	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS			
ROUTINE SAMPLE	03/22/2006	10:49:00	0.88	UG/L	13.17	MG/L	99.8	%			
ROUTINE SAMPLE	04/26/2006	10:27:00	NDR	UG/L	10.58	MG/L	94.2	%			
ROUTINE SAMPLE	06/02/2006	11:24:00	6.16	UG/L	8.57	MG/L	92	%			
ROUTINE SAMPLE	06/19/2006	10:48:00	6.19	UG/L	8.32	MG/L	98.1	%			

ROUTINE SAMPLE	07/19/2006	10:15:00	3.58	UG/L	6.84	MG/L	83.9	%			
ROUTINE SAMPLE	08/16/2006	10:20:00	15.45	UG/L	9.02	MG/L	103.7	%			
ROUTINE SAMPLE	09/19/2006	10:52:00	10.1	UG/L	9.21	MG/L	101.2	%			
FIELD DUPLICATE	09/19/2006	10:52:00	10.94	UG/L	9.01	MG/L	99.3	%			
ROUTINE SAMPLE	10/17/2006	10:45:00	3.45	UG/L	8.97	MG/L	77.5	%			
ROUTINE SAMPLE	11/15/2006	10:21:00	1.82	UG/L	10	MG/L	89.7	%			
ROUTINE SAMPLE	12/06/2006	10:29:00	1.36	UG/L	12.9	MG/L	93.4	%			
FIELD DUPLICATE	12/06/2006	10:29:00	1.01	UG/L	12.83	MG/L	92.8	%			
ACTIVITY	**START**	**START**	**EC**	**EC**	**EC**	**NITR**	**NITR**	**NITR**	**TKN**	**TKN**	
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	
ROUTINE SAMPLE	03/22/2006	10:49:00	10	<	CTS/100ML	0.2	<	MG/L	0.3	MG/L	
ROUTINE SAMPLE	04/26/2006	10:27:00	90		CTS/100ML	ND		MG/L	0.34	MG/L	
ROUTINE SAMPLE	06/02/2006	11:24:00	2000	>	CTS/100ML	0.066		MG/L	0.9	MG/L	
ROUTINE SAMPLE	06/19/2006	10:48:00	50		CTS/100ML	ND		MG/L	0.4	MG/L	
ROUTINE SAMPLE	07/19/2006	10:15:00	50		CTS/100ML	ND		MG/L	0.51	MG/L	
ROUTINE SAMPLE	08/16/2006	10:20:00	250		CTS/100ML	ND		MG/L	0.4	MG/L	
ROUTINE SAMPLE	09/19/2006	10:52:00	10	<	CTS/100ML	ND		MG/L	0.4	MG/L	
FIELD DUPLICATE	09/19/2006	10:52:00	30		CTS/100ML	ND		MG/L	0.4	MG/L	
ROUTINE SAMPLE	10/17/2006	10:45:00	50		CTS/100ML	0.054		MG/L	0.57	MG/L	
ROUTINE SAMPLE	11/15/2006	10:21:00	210		CTS/100ML	ND		MG/L	0.41	MG/L	
ROUTINE SAMPLE	12/06/2006	10:29:00	50		CTS/100ML	ND		MG/L	0.35	MG/L	
FIELD DUPLICATE	12/06/2006	10:29:00	60		CTS/100ML	ND		MG/L	0.26	MG/L	
ACTIVITY	**START**	**START**	**NO2NO3**	**NO2NO3**	**NO2NO3**	**PH**	**PH**	**P**	**P**	**COND**	**COND**
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**
ROUTINE SAMPLE	03/22/2006	10:49:00	0.27		MG/L	7.26	UNITS	0.022	MG/L	110.4	UMHOS/CM
ROUTINE SAMPLE	04/26/2006	10:27:00	0.14		MG/L	7.11	UNITS	0.03	MG/L	188.9	UMHOS/CM
ROUTINE SAMPLE	06/02/2006	11:24:00	0.17		MG/L	6.52	UNITS	0.17	MG/L	130.6	UMHOS/CM
ROUTINE SAMPLE	06/19/2006	10:48:00	0.21		MG/L	6.8	UNITS	0.031	MG/L	158.2	UMHOS/CM
ROUTINE SAMPLE	07/19/2006	10:15:00	0.27		MG/L	6.69	UNITS	0.043	MG/L	181.7	UMHOS/CM
ROUTINE SAMPLE	08/16/2006	10:20:00	ND		MG/L	6.88	UNITS	0.032	MG/L	256.8	UMHOS/CM

ROUTINE SAMPLE	09/19/2006	10:52:00	ND		MG/L	6.88	UNITS	0.032	MG/L	249	UMHOS/CM
FIELD DUPLICATE	09/19/2006	10:52:00	ND		MG/L	6.91	UNITS	0.031	MG/L	248.9	UMHOS/CM
ROUTINE SAMPLE	10/17/2006	10:45:00	0.11		MG/L	6.7	UNITS	0.045	MG/L	138.5	UMHOS/CM
ROUTINE SAMPLE	11/15/2006	10:21:00	ND		MG/L	7.16	UNITS	0.044	MG/L	86.9	UMHOS/CM
ROUTINE SAMPLE	12/06/2006	10:29:00	0.19		MG/L	7.3	UNITS	0.025	MG/L	128.4	UMHOS/CM
FIELD DUPLICATE	12/06/2006	10:29:00	0.19		MG/L	7.56	UNITS	0.026	MG/L	128.5	UMHOS/CM
ACTIVITY	**START**	**START**	**TEMP**	**TEMP**	**TSS**	**TSS**	**TSS**	**TURB**	**TURB**	**WEATHER COMMENTS**	
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	
ROUTINE SAMPLE	03/22/2006	10:49:00	3.6	DEG C	5	<	MG/L	3.9	NTU	CLOUDY W/O RAIN, BREEZE, 30S	
ROUTINE SAMPLE	04/26/2006	10:27:00	10.2	DEG C	10		MG/L	4.9	NTU	CLEAR, BREEZE, 50'S	
ROUTINE SAMPLE	06/02/2006	11:24:00	18.8	DEG C	57		MG/L	60	NTU	CLOUDY W/RAIN, CALM, 60S	
ROUTINE SAMPLE	06/19/2006	10:48:00	23.7	DEG C	7		MG/L	4.5	NTU	CLEAR, CALM, 80S	
ROUTINE SAMPLE	07/19/2006	10:15:00	25.7	DEG C	ND		MG/L	3.8	NTU	CLEAR, BREEZE, 80S	
ROUTINE SAMPLE	08/16/2006	10:20:00	22.3	DEG C	ND		MG/L	2.8	NTU	CLEAR, BREEZE, 80'S	
ROUTINE SAMPLE	09/19/2006	10:52:00	20	DEG C	ND		MG/L	3	NTU	CALM, CLOUDY W/O RAIN, 80'S	
FIELD DUPLICATE	09/19/2006	10:52:00	20.2	DEG C	ND		MG/L	3	NTU	CALM, CLOUDY W/O RAIN, 80'S	
ROUTINE SAMPLE	10/17/2006	10:45:00	8.9	DEG C	13		MG/L	5.8	NTU	CLOUDY W/O RAIN, BREEZE, 50'S	
ROUTINE SAMPLE	11/15/2006	10:21:00	10.5	DEG C	ND		MG/L	9.3	NTU	CLOUDY W/O RAIN, BREEZE, 60'S	
ROUTINE SAMPLE	12/06/2006	10:29:00	2	DEG C	ND		MG/L	4.3	NTU	CLOUDY W/O RAIN, CALM, 30S	
FIELD DUPLICATE	12/06/2006	10:29:00	2	DEG C	ND		MG/L	4.1	NTU	CLOUDY W/O RAIN, CALM, 30S	
Legend											
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN										
dl	DATA LOST										
DO	DISSOLVED OXYGEN										
DO SAT	DISSOLVED OXYGEN SATURATION										
DELETED	LAB ACCIDENT/ERROR										
EC	ESCHERICHIA COLI										
NITR	NITROGEN AMMONIA										
TKN	NITROGEN KJELDAHL										

na	ANAYSES NOT YET COMPLETED BY LAB									
ND	NO SAMPLE COLLECTED OR NO MEASUREMENT MADE									
ndr	DID NOT MEET LAB QC									
NO2NO3	NITROGEN NITRATE + NITRITE									
P	PHOSPHORUS AS P									
QUAL	QUALIFIER									
COND	SPECIFIC CONDUCTANCE									
TEMP	TEMPERATURE WATER									
TSS	TOTAL SUSPENDED SOLIDS									
TURB	TURBIDITY									

Sagamore Creek at Peverly Hill Road,
Portsmouth, 05-SAG
Note: Data not meeting RPD are shaded.

ACTIVITY	START	START	CHL	CHL	DO	DO	DO SAT	DO SAT			
CATEGORY	DATE	TIME	RESULTS	UNITS	RESULTS	UNITS	RESULTS	UNITS			
ROUTINE SAMPLE	03/20/2006	10:00:00	3.11	UG/L	12.97	MG/L	98.8	%			
ROUTINE SAMPLE	04/24/2006	11:23:00	NDR	UG/L	9.55	MG/L	85.4	%			
ROUTINE SAMPLE	05/31/2006	11:28:00	2.56	UG/L	7.18	MG/L	79.9	%			
ROUTINE SAMPLE	06/21/2006	09:54:00	4.5	UG/L	5.31	MG/L	62.1	%			
ROUTINE SAMPLE	07/18/2006	10:02:00	2.46	UG/L	5.58	MG/L	68.8	%			
ROUTINE SAMPLE	08/15/2006	10:05:00	5.43	UG/L	6.86	MG/L	78.3	%			
ROUTINE SAMPLE	09/20/2006	10:20:00	8.31	UG/L	7.06	MG/L	76.2	%			
ROUTINE SAMPLE	10/18/2006	10:02:00	4.18	UG/L	8.49	MG/L	76.8	%			

FIELD DUPLICATE	10/18/2006	10:02:00	3.8	UG/L	8.71	MG/L	79.3	%			
ROUTINE SAMPLE	11/16/2006	11:48:00	3.37	UG/L	8.72	MG/L	81.8	%			
FIELD DUPLICATE	11/16/2006	11:48:00	3.02	UG/L	8.93	MG/L	83.8	%			
ROUTINE SAMPLE	12/07/2006	11:12:00	1.22	UG/L	11.28	MG/L	87.2	%			
ACTIVITY	**START**	**START**	**EC**	**EC**	**EC**	**NITR**	**NITR**	**NITR**	**TKN**	**TKN**	
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	
ROUTINE SAMPLE	03/20/2006	10:00:00	10	<	CTS/100ML	0.2	<	MG/L	0.4	MG/L	
ROUTINE SAMPLE	04/24/2006	11:23:00	10		CTS/100ML	ND		MG/L	0.43	MG/L	
ROUTINE SAMPLE	05/31/2006	11:28:00	10	<	CTS/100ML	ND		MG/L	0.4	MG/L	
ROUTINE SAMPLE	06/21/2006	09:54:00	40		CTS/100ML	0.061		MG/L	0.3	MG/L	
ROUTINE SAMPLE	07/18/2006	10:02:00	20		CTS/100ML	ND		MG/L	0.55	MG/L	
ROUTINE SAMPLE	08/15/2006	10:05:00	70		CTS/100ML	ND		MG/L	0.5	MG/L	
ROUTINE SAMPLE	09/20/2006	10:20:00	2000	>	CTS/100ML	ND		MG/L	0.7	MG/L	
ROUTINE SAMPLE	10/18/2006	10:02:00	40		CTS/100ML	ND		MG/L	0.38	MG/L	
FIELD DUPLICATE	10/18/2006	10:02:00	110		CTS/100ML	ND		MG/L	0.39	MG/L	
ROUTINE SAMPLE	11/16/2006	11:48:00	140		CTS/100ML	ND		MG/L	0.39	MG/L	
FIELD DUPLICATE	11/16/2006	11:48:00	140		CTS/100ML	ND		MG/L	0.37	MG/L	
ROUTINE SAMPLE	12/07/2006	11:12:00	20		CTS/100ML	0.05		MG/L	0.27	MG/L	
ACTIVITY	**START**	**START**	**NO2NO3**	**NO2NO3**	**NO2NO3**	**PH**	**PH**	**P**	**P**	**COND**	**COND**
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**
ROUTINE	03/20/2006	10:00:00	0.05		MG/L	7.27	UNITS	0.031	MG/L	880	UMHOS/CM

SAMPLE											
ROUTINE SAMPLE	04/24/2006	11:23:00	ND		MG/L	7.2	UNITS	0.024	MG/L	1363	UMHOS/CM
ROUTINE SAMPLE	05/31/2006	11:28:00	ND		MG/L	7.46	UNITS	0.042	MG/L	1019	UMHOS/CM
ROUTINE SAMPLE	06/21/2006	09:54:00	ND		MG/L	7.13	UNITS	0.022	MG/L	930	UMHOS/CM
ROUTINE SAMPLE	07/18/2006	10:02:00	ND		MG/L	7.26	UNITS	0.02	MG/L	689	UMHOS/CM
ROUTINE SAMPLE	08/15/2006	10:05:00	ND		MG/L	7.25	UNITS	0.019	MG/L	1063	UMHOS/CM
ROUTINE SAMPLE	09/20/2006	10:20:00	ND		MG/L	7.03	UNITS	0.046	MG/L	735	UMHOS/CM
ROUTINE SAMPLE	10/18/2006	10:02:00	ND		MG/L	7.51	UNITS	0.022	MG/L	951	UMHOS/CM
FIELD DUPLICATE	10/18/2006	10:02:00	ND		MG/L	7.48	UNITS	0.022	MG/L	948	UMHOS/CM
ROUTINE SAMPLE	11/16/2006	11:48:00	0.14		MG/L	7.59	UNITS	0.044	MG/L	376	UMHOS/CM
FIELD DUPLICATE	11/16/2006	11:48:00	0.13		MG/L	7.74	UNITS	0.043	MG/L	377.4	UMHOS/CM
ROUTINE SAMPLE	12/07/2006	11:12:00	0.14		MG/L	6.61	UNITS	0.027	MG/L	665	UMHOS/CM
ACTIVITY	**START**	**START**	**TEMP**	**TEMP**	**TSS**	**TSS**	**TSS**	**TURB**	**TURB**	**WEATHER COMMENTS**	
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	
ROUTINE SAMPLE	03/20/2006	10:00:00	3.9	DEG C	5	<	MG/L	85	NTU	CLOUDY W/O RAIN, WIND, 30S	
ROUTINE SAMPLE	04/24/2006	11:23:00	10.3	DEG C	0		MG/L	4.6	NTU	CLOUDY W/O RAIN, CALM, 40'S	
ROUTINE SAMPLE	05/31/2006	11:28:00	20.6	DEG C	10		MG/L	2.2	NTU	CLOUDY W/OUT RAIN, 60S, BREEZE	
ROUTINE SAMPLE	06/21/2006	09:54:00	23.1	DEG C	6		MG/L	2.1	NTU	CLEAR, BREEZE, 70S	
ROUTINE SAMPLE	07/18/2006	10:02:00	25.2	DEG C	ND		MG/L	1.8	NTU	CLEAR, CALM, 80S	
ROUTINE SAMPLE	08/15/2006	10:05:00	21.9	DEG C	ND		MG/L	2.5	NTU	CLOUDY W/O RAIN, BREEZE, 70'S	
ROUTINE	09/20/2006	10:20:00	19	DEG C	ND		MG/L	6.3	NTU	CLEAR, BREEZE, 70'S	

SAMPLE										
ROUTINE SAMPLE	10/18/2006	10:02:00	10.9	DEG C	ND		MG/L	4.2	NTU	CLOUDY W/O RAIN, CALM, 60'S
FIELD DUPLICATE	10/18/2006	10:02:00	11.2	DEG C	7		MG/L	4.2	NTU	CLOUDY W/O RAIN, CALM, 60'S
ROUTINE SAMPLE	11/16/2006	11:48:00	12.4	DEG C	ND		MG/L	14	NTU	CLOUDY W/RAIN, CALM, 50S
FIELD DUPLICATE	11/16/2006	11:48:00	12.5	DEG C	12		MG/L	13	NTU	CLOUDY W/RAIN, CALM, 50S
ROUTINE SAMPLE	12/07/2006	11:12:00	4.5	DEG C	7		MG/L	5.6	NTU	CLEAR, BREEZE, 40S

Legend	
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
DO	DISSOLVED OXYGEN
DO SAT	DISSOLVED OXYGEN SATURATION
DELETED	LAB ACCIDENT/ERROR
EC	ESCHERICHIA COLI
NITR	NITROGEN AMMONIA
TKN	NITROGEN KJELDAHL
nd	NO SAMPLE COLLECTED OR NO MEASUREMENT MADE
ndr	DID NOT MEET LAB QC
NO2NO3	NITROGEN NITRATE + NITRITE
P	PHOSPHORUS AS P
QUAL	QUALIFIER
COND	SPECIFIC CONDUCTANCE
TEMP	TEMPERATURE WATER
TSS	TOTAL SUSPENDED SOLIDS
TURB	TURBIDITY

Salmon Falls River at Rt. 4,
Rollinsford, 05-SFR
Note: Data not meeting RPD are shaded.

ACTIVITY	START	START	CHL	CHL	DO	DO	DO SAT	DO SAT				
CATEGORY	DATE	TIME	RESULTS	UNITS	RESULTS	UNITS	RESULTS	UNITS				
ROUTINE SAMPLE	03/22/2006	09:30:00	0.55	UG/L	13.12	MG/L	96.5	%				
ROUTINE SAMPLE	04/26/2006	09:21:00	NDR	UG/L	10.78	MG/L	97.7	%				
ROUTINE SAMPLE	06/02/2006	12:11:00	11.12	UG/L	8.76	MG/L						
ROUTINE SAMPLE	06/19/2006	09:36:00	3.98	UG/L	8.35	MG/L	99	%				
ROUTINE SAMPLE	07/19/2006	09:22:00	8.48	UG/L	7.53	MG/L	94.7	%				
ROUTINE SAMPLE	08/16/2006	09:17:00	11.1	UG/L	8.34	MG/L	97.9	%				
ROUTINE SAMPLE	09/19/2006	09:41:00	41.26	UG/L	10.2	MG/L	113.6	%				
ROUTINE SAMPLE	10/17/2006	09:40:00	2.48	UG/L	10.24	MG/L	93	%				
ROUTINE SAMPLE	11/16/2006	09:45:00	0.84	UG/L	11.25	MG/L	100.5	%				
ROUTINE SAMPLE	12/06/2006	09:30:00	0.71	UG/L	13.06	MG/L	95.9	%				
ACTIVITY	START	START	EC	EC	EC	NITR	NITR	NITR	TKN	TKN		
CATEGORY	DATE	TIME	RESULTS	QUAL	UNITS	RESULTS	QUAL	UNITS	RESULTS	UNITS		
ROUTINE SAMPLE	03/22/2006	09:30:00	10	<	CTS/100ML	0.2	<	MG/L	0.3	MG/L		
ROUTINE SAMPLE	04/26/2006	09:21:00	70		CTS/100ML	0.074		MG/L	0.34	MG/L		
ROUTINE SAMPLE	06/02/2006	12:11:00	260		CTS/100ML	ND		MG/L	0.4	MG/L		
ROUTINE SAMPLE	06/19/2006	09:36:00	60		CTS/100ML	ND		MG/L	0.3	MG/L		
ROUTINE	07/19/2006	09:22:00	130		CTS/100ML	ND		MG/L	0.47	MG/L		

SAMPLE												
ROUTINE SAMPLE	08/16/2006	09:17:00	70		CTS/100ML	ND		MG/L	0.5	MG/L		
ROUTINE SAMPLE	09/19/2006	09:41:00	70		CTS/100ML	ND		MG/L	0.7	MG/L		
ROUTINE SAMPLE	10/17/2006	09:40:00	60		CTS/100ML	0.067		MG/L	0.44	MG/L		
ROUTINE SAMPLE	11/16/2006	09:45:00	90		CTS/100ML	ND		MG/L	0.32	MG/L		
ROUTINE SAMPLE	12/06/2006	09:30:00	10	<	CTS/100ML	ND		MG/L	0.29	MG/L		
ACTIVITY	**START**	**START**	**NO2NO3**	**NO2NO3**	**NO2NO3**	**PH**	**PH**	**P**	**P**	**COND**	**COND**	
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	
ROUTINE SAMPLE	03/22/2006	09:30:00	0.15		MG/L	6.53	UNITS	0.027	MG/L	62.7	UMHOS/CM	
ROUTINE SAMPLE	04/26/2006	09:21:00	0.18		MG/L	6.61	UNITS	0.025	MG/L	112.3	UMHOS/CM	
ROUTINE SAMPLE	06/02/2006	12:11:00	0.13		MG/L	6.47		0.034	MG/L	94	UMHOS/CM	
ROUTINE SAMPLE	06/19/2006	09:36:00	0.11		MG/L	6.26	UNITS	0.02	MG/L	79	UMHOS/CM	
ROUTINE SAMPLE	07/19/2006	09:22:00	0.12		MG/L	6.74	UNITS	0.028	MG/L	86.9	UMHOS/CM	
ROUTINE SAMPLE	08/16/2006	09:17:00	0.26		MG/L	6.71	UNITS	0.025	MG/L	134.3	UMHOS/CM	
ROUTINE SAMPLE	09/19/2006	09:41:00	0.18		MG/L	6.97	UNITS	0.12	MG/L	156	UMHOS/CM	
ROUTINE SAMPLE	10/17/2006	09:40:00	ND		MG/L	6.36	UNITS	0.02	MG/L	91.2	UMHOS/CM	
ROUTINE SAMPLE	11/16/2006	09:45:00	ND		MG/L	7.37	UNITS	0.019	MG/L	61.6	UMHOS/CM	
ROUTINE SAMPLE	12/06/2006	09:30:00	0.1		MG/L	7.09	UNITS	0.017	MG/L	75.5	UMHOS/CM	
ACTIVITY	**START**	**START**	**TEMP**	**TEMP**	**TSS**	**TSS**	**TSS**	**TURB**	**TURB**	**WEATHER COMMENTS**		
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**		
ROUTINE SAMPLE	03/22/2006	09:30:00	2.6	DEG C	5	<	MG/L	0.9	NTU	CLOUDY W/O RAIN, 30S, BREEZE		

ROUTINE SAMPLE	04/26/2006	09:21:00	11.2	DEG C	3		MG/L	1.9	NTU	CLEAR, 50'S, BREEZE
ROUTINE SAMPLE	06/02/2006	12:11:00	21.9	DEG C	9		MG/L	2.5	NTU	CLOUDY W/RAIN, CALM, 60S
ROUTINE SAMPLE	06/19/2006	09:36:00	23.9	DEG C	ND		MG/L	1.7	NTU	CLEAR, 80S, CALM
ROUTINE SAMPLE	07/19/2006	09:22:00	26.8	DEG C	ND		MG/L	2.6	NTU	CLOUDY W/OUT RAIN, BREEZE, 70S
ROUTINE SAMPLE	08/16/2006	09:17:00	23.4	DEG C	9		MG/L	2.2	NTU	CLEAR, BREEZE, 70'S
ROUTINE SAMPLE	09/19/2006	09:41:00	20.7	DEG C	ND		MG/L	2.1	NTU	CLOUDY W/O RAIN, CALM, 70'S
ROUTINE SAMPLE	10/17/2006	09:40:00	11.1	DEG C	ND		MG/L	2.1	NTU	
ROUTINE SAMPLE	11/16/2006	09:45:00	10.4	DEG C	ND		MG/L	3.1	NTU	CLOUDY W/ INTERMITTENT RAIN, BREEZE, 50'S
ROUTINE SAMPLE	12/06/2006	09:30:00	2.6	DEG C	ND		MG/L	1.4	NTU	CLOUDY W/O RAIN, CALM, 30S

Legend	
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
DO	DISSOLVED OXYGEN
DO SAT	DISSOLVED OXYGEN SATURATION
DELETED	LAB ACCIDENT/ERROR
EC	ESCHERICHIA COLI
NITR	NITROGEN AMMONIA
TKN	NITROGEN KJELDAHL
nd	NO SAMPLE COLLECTED OR NO MEASUREMENT MADE
ndr	DID NOT MEET LAB QC
NO2NO3	NITROGEN NITRATE + NITRITE
P	PHOSPHORUS AS P
QUAL	QUALIFIER
COND	SPECIFIC CONDUCTANCE
TEMP	TEMPERATURE WATER
TSS	TOTAL SUSPENDED SOLIDS
TURB	TURBIDITY

Cocheco River at the Rt. 9 Bridge (Central Avenue),
Dover, 07-CCH
Note: Data not meeting RPD are shaded.

ACTIVITY	START	START	CHL	CHL	DO	DO	DO SAT	DO SAT				
CATEGORY	DATE	TIME	RESULTS	UNITS	RESULTS	UNITS	RESULTS	UNITS				
ROUTINE SAMPLE	03/22/2006	09:59:00	1.09	UG/L	13.32	MG/L	97.3	%				
ROUTINE SAMPLE	04/26/2006	09:48:00	NDR	UG/L	11.08	MG/L	96.3	%				
ROUTINE SAMPLE	06/02/2006	12:40:00	2.73	UG/L	8.48	MG/L	93.2	%				
ROUTINE SAMPLE	06/19/2006	09:57:00	3.25	UG/L	8.55	MG/L	99.4	%				
ROUTINE SAMPLE	07/19/2006	09:41:00	2.99	UG/L	7.75	MG/L	94.1	%				
ROUTINE SAMPLE	08/16/2006	09:44:00	3.21	UG/L	8.42	MG/L	97.4	%				
ROUTINE SAMPLE	09/19/2006	10:08:00	6.87	UG/L	9.16	MG/L	99.9	%				
ROUTINE SAMPLE	10/17/2006	10:02:00	3.78	UG/L	10.8	MG/L	94.6	%				
ROUTINE SAMPLE	11/15/2006	09:50:00	1.41	UG/L	11.1	MG/L	99	%				
ROUTINE SAMPLE	12/06/2006	09:53:00	0.87	UG/L	13.27	MG/L	96.1	%				
ACTIVITY	START	START	EC	EC	EC	NITR	NITR	NITR	TKN	TKN		
CATEGORY	DATE	TIME	RESULTS	QUAL	UNITS	RESULTS	QUAL	UNITS	RESULTS	UNITS		
ROUTINE SAMPLE	03/22/2006	09:59:00	10	<	CTS/100ML	0.2	<	MG/L	0.3	MG/L		
ROUTINE SAMPLE	04/26/2006	09:48:00	60		CTS/100ML	ND		MG/L	0.48	MG/L		
ROUTINE SAMPLE	06/02/2006	12:40:00	1070		CTS/100ML	ND		MG/L	0.5	MG/L		
ROUTINE SAMPLE	06/19/2006	09:57:00	30		CTS/100ML	0.059		MG/L	0.4	MG/L		
ROUTINE SAMPLE	07/19/2006	09:41:00	80		CTS/100ML	ND		MG/L	0.49	MG/L		
ROUTINE SAMPLE	08/16/2006	09:44:00	50		CTS/100ML	ND		MG/L	0.4	MG/L		
ROUTINE SAMPLE	09/19/2006	10:08:00	40		CTS/100ML	ND		MG/L	0.4	MG/L		
ROUTINE SAMPLE	10/17/2006	10:02:00	90		CTS/100ML	ND		MG/L	0.42	MG/L		
ROUTINE SAMPLE	11/15/2006	09:50:00	110		CTS/100ML	ND		MG/L	0.34	MG/L		
ROUTINE SAMPLE	12/06/2006	09:53:00	10	<	CTS/100ML	ND		MG/L	0.27	MG/L		
ACTIVITY	START	START	NO2NO3	NO2NO3	PH	PH	P	P	COND	COND		
CATEGORY	DATE	TIME	RESULTS	UNITS	RESULTS	UNITS	RESULTS	UNITS	RESULTS	UNITS		

ROUTINE SAMPLE	03/22/2006	09:59:00	0.63	MG/L	6.99	UNITS	0.042	MG/L	89.3	UMHOS/CM		
ROUTINE SAMPLE	04/26/2006	09:48:00	0.42	MG/L	6.94	UNITS	0.35	MG/L	151.3	UMHOS/CM		
ROUTINE SAMPLE	06/02/2006	12:40:00	0.48	MG/L	6.52	UNITS	0.045	MG/L	158.8	UMHOS/CM		
ROUTINE SAMPLE	06/19/2006	09:57:00	0.47	MG/L	6.55	UNITS	0.046	MG/L	125.6	UMHOS/CM		
ROUTINE SAMPLE	07/19/2006	09:41:00	0.4	MG/L	6.61	UNITS	0.057	MG/L	106.2	UMHOS/CM		
ROUTINE SAMPLE	08/16/2006	09:44:00	0.99	MG/L	6.58	UNITS	0.079	MG/L	196.6	UMHOS/CM		
ROUTINE SAMPLE	09/19/2006	10:08:00	1.3	MG/L	6.46	UNITS	0.12	MG/L	253.7	UMHOS/CM		
ROUTINE SAMPLE	10/17/2006	10:02:00	0.33	MG/L	6.5	UNITS	0.041	MG/L	104.2	UMHOS/CM		
ROUTINE SAMPLE	11/15/2006	09:50:00	0.1	MG/L	7.14	UNITS	0.041	MG/L	67.5	UMHOS/CM		
ROUTINE SAMPLE	12/06/2006	09:53:00	0.27	MG/L	7.04	UNITS	0.034	MG/L	90.1	UMHOS/CM		
ACTIVITY	**START**	**START**	**TEMP**	**TEMP**	**TSS**	**TSS**	**TSS**	**TURB**	**TURB**	**WEATHER COMMENTS**		
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**		
ROUTINE SAMPLE	03/22/2006	09:59:00	2.4	DEG C	5	<	MG/L	2	NTU	CLOUDY W/O RAIN, 30S, BREEZE		
ROUTINE SAMPLE	04/26/2006	09:48:00	9.3	DEG C	0.5		MG/L	2.8	NTU	CLEAR, BREEZE, 50'S		
ROUTINE SAMPLE	06/02/2006	12:40:00	20	DEG C	14		MG/L	10	NTU	CLOUDY W/OUT RAIN, BREEZE, 60S		
ROUTINE SAMPLE	06/19/2006	09:57:00	22.9	DEG C	ND		MG/L	2.7	NTU	CLEAR, BREEZE 80S		
ROUTINE SAMPLE	07/19/2006	09:41:00	25.2	DEG C	ND		MG/L	2.8	NTU	CLEAR, BREEZE, 70S		
ROUTINE SAMPLE	08/16/2006	09:44:00	22.6	DEG C	ND		MG/L	1.8	NTU	CLEAR, BREEZE, 70'S		
ROUTINE SAMPLE	09/19/2006	10:08:00	19.6	DEG C	ND		MG/L	1.3	NTU	CLOUDY W/O RAIN, CALM, 70'S		
ROUTINE SAMPLE	10/17/2006	10:02:00	9.6	DEG C	6.5		MG/L	2.5	NTU	CLOUDY W/O RAIN, CALM, 50'S		
ROUTINE SAMPLE	11/15/2006	09:50:00	10.3	DEG C	ND		MG/L	5.8	NTU	CLOUDY W/O RAIN, CALM, 60'S		
ROUTINE SAMPLE	12/06/2006	09:53:00	2.1	DEG C	ND		MG/L	2	NTU	CLOUDY W/O RAIN, CALM, 30S		
Legend												
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN											
DO	DISSOLVED OXYGEN											
DO SAT	DISSOLVED OXYGEN SATURATION											
DELETED	LAB ACCIDENT/ERROR											
EC	ESCHERICHIA COLI											
NITR	NITROGEN AMMONIA											

TKN	NITROGEN KJELDAHL										
nd	NO SAMPLE COLLECTED OR NO MEASUREMENT MADE										
ndr	DID NOT MEET LAB QC										
NO2NO3	NITROGEN NITRATE + NITRITE										
P	PHOSPHORUS AS P										
QUAL	QUALIFIER										
COND	SPECIFIC CONDUCTANCE										
TEMP	TEMPERATURE WATER										
TSS	TOTAL SUSPENDED SOLIDS										
TURB	TURBIDITY										

Exeter River at the High Street Bridge,
Exeter, 09-EXT
Note: Data not meeting RPD are shaded.

ACTIVITY	START	START	CHL	CHL	DO	DO	DO SAT	DO SAT				
CATEGORY	DATE	TIME	RESULTS	UNITS	RESULTS	UNITS	RESULTS	UNITS				
ROUTINE SAMPLE	03/20/2006	11:09:00	1.07	UG/L	13.37	MG/L	96.5	%				
ROUTINE SAMPLE	04/24/2006	09:49:00	NDR	UG/L	9.61	MG/L	87.9	%				
ROUTINE SAMPLE	05/31/2006	12:46:00	3.75	UG/L	7.32	MG/L	85.6	%				
ROUTINE SAMPLE	06/21/2006	11:07:00	2.52	UG/L	6.37	MG/L	75.6	%				
ROUTINE SAMPLE	07/18/2006	10:45:00	0.29	UG/L	4.73	MG/L	59.1	%				
ROUTINE SAMPLE	08/15/2006	10:54:00	5.27	UG/L	7.03	MG/L	80.3	%				
ROUTINE SAMPLE	09/20/2006	11:20:00	3.09	UG/L	7.4	MG/L	81.2	%				
ROUTINE SAMPLE	10/18/2006	10:58:00	1.96	UG/L	9.73	MG/L	86.7	%				
ROUTINE SAMPLE	11/16/2006	10:39:00	0.68	UG/L	9.23	MG/L	84.1	%				
ROUTINE SAMPLE	12/07/2006	09:19:00	0.68	UG/L	12.97	MG/L	96.1	%				
ACTIVITY	START	START	EC	EC	EC	NITR	NITR	NITR	TKN	TKN		
CATEGORY	DATE	TIME	RESULTS	QUAL	UNITS	RESULTS	QUAL	UNITS	RESULTS	UNITS		

ROUTINE SAMPLE	03/20/2006	11:09:00	10	<	CTS/100ML	0.2	<	MG/L	0.3	MG/L		
ROUTINE SAMPLE	04/24/2006	09:49:00	40		CTS/100ML	ND		MG/L	0.51	MG/L		
ROUTINE SAMPLE	05/31/2006	12:46:00	80		CTS/100ML	0.058		MG/L	0.5	MG/L		
ROUTINE SAMPLE	06/21/2006	11:07:00	60		CTS/100ML	0.059		MG/L	0.5	MG/L		
ROUTINE SAMPLE	07/18/2006	10:45:00	30		CTS/100ML	ND		MG/L	0.67	MG/L		
ROUTINE SAMPLE	08/15/2006	10:54:00	120		CTS/100ML	ND		MG/L	0.5	MG/L		
ROUTINE SAMPLE	09/20/2006	11:20:00	1560	>	CTS/100ML	ND		MG/L	0.4	MG/L		
ROUTINE SAMPLE	10/18/2006	10:58:00	40		CTS/100ML	ND		MG/L	0.52	MG/L		
ROUTINE SAMPLE	11/16/2006	10:39:00	110		CTS/100ML	ND		MG/L	0.31	MG/L		
ROUTINE SAMPLE	12/07/2006	09:19:00	60		CTS/100ML	0.1		MG/L	0.26	MG/L		
ACTIVITY	**START**	**START**	**NO2NO3**	**NO2NO3**	**NO2NO3**	**PH**	**PH**	**P**	**P**	**COND**	**COND**	
CATEGORY	**DATE**	**TIME**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**	**UNITS**	
ROUTINE SAMPLE	03/20/2006	11:09:00	0.17		MG/L	6.73	UNITS	0.025	MG/L	89.3	UMHOS/CM	
ROUTINE SAMPLE	04/24/2006	09:49:00	ND		MG/L	6.44	UNITS	0.027	MG/L	185.2	UMHOS/CM	
ROUTINE SAMPLE	05/31/2006	12:46:00	0.11		MG/L	6.84	UNITS	0.032	MG/L	147.1	UMHOS/CM	
ROUTINE SAMPLE	06/21/2006	11:07:00	0.15		MG/L	6.33	UNITS	0.043	MG/L	140.2	UMHOS/CM	
ROUTINE SAMPLE	07/18/2006	10:45:00	0.11		MG/L	6.46	UNITS	0.077	MG/L	142.2	UMHOS/CM	
ROUTINE SAMPLE	08/15/2006	10:54:00	0.12		MG/L	6.47	UNITS	0.039	MG/L	158	UMHOS/CM	
ROUTINE SAMPLE	09/20/2006	11:20:00	0.12		MG/L	6.8	UNITS	0.037	MG/L	179.8	UMHOS/CM	
ROUTINE SAMPLE	10/18/2006	10:58:00	ND		MG/L	7.3	UNITS	0.03	MG/L	130.9	UMHOS/CM	
ROUTINE SAMPLE	11/16/2006	10:39:00	ND		MG/L	7.34	UNITS	0.031	MG/L	101.3	UMHOS/CM	
ROUTINE SAMPLE	12/07/2006	09:19:00	0.14		MG/L	5.9	UNITS	0.021	MG/L	136.5	UMHOS/CM	
ACTIVITY	**START**	**START**	**TEMP**	**TEMP**	**TSS**	**TSS**	**TSS**	**TURB**	**TURB**	**WEATHER COMMENTS**		
CATEGORY	**DATE**	**TIME**	**RESULTS**	**UNITS**	**RESULTS**	**QUAL**	**UNITS**	**RESULTS**	**UNITS**	**RESULTS**		
ROUTINE SAMPLE	03/20/2006	11:09:00	1.9	DEG C	5	<	MG/L	3.5	NTU	CLOUDY W/O RAIN, WIND, 30'S		
ROUTINE SAMPLE	04/24/2006	09:49:00	11.4	DEG C	0		MG/L	2.5	NTU	CLOUDY W/O RAIN, CALM, 40S		
ROUTINE SAMPLE	05/31/2006	12:46:00	23	DEG C	11		MG/L	2	NTU	CLOUDY W/OUT RAIN, 70S, BREEZE		
ROUTINE SAMPLE	06/21/2006	11:07:00	24.3	DEG C	7.5		MG/L	3.1	NTU	CLEAR, BREEZE, 70S		
ROUTINE SAMPLE	07/18/2006	10:45:00	26.4	DEG C	ND		MG/L	3.7	NTU	CLEAR, CALM, 80S		
ROUTINE SAMPLE	08/15/2006	10:54:00	22.1	DEG C	ND		MG/L	3.4	NTU	CLOUDY W/O RAIN, BREEZE, 70'S		

ROUTINE SAMPLE	09/20/2006	11:20:00	ND	DEG C	ND		MG/L	4.4	NTU	CLEAR, BREEZE, 80'S		
ROUTINE SAMPLE	10/18/2006	10:58:00	10.2	DEG C	ND		MG/L	3.2	NTU	CLOUDY W/O RAIN, BREEZE, 60'S		
ROUTINE SAMPLE	11/16/2006	10:39:00	11.1	DEG C	ND		MG/L	4.2	NTU	CLOUDY W/RAIN, CALM, 50'S		
ROUTINE SAMPLE	12/07/2006	09:19:00	2.9	DEG C	ND		MG/L	2.4	NTU	CLEAR, BREEZE, 40S		
Legend												
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN											
DO	DISSOLVED OXYGEN											
DO SAT	DISSOLVED OXYGEN SATURATION											
DELETED	LAB ACCIDENT/ERROR											
EC	ESCHERICHIA COLI											
NITR	NITROGEN AMMONIA											
TKN	NITROGEN KJELDAHL											
nd	NO SAMPLE COLLECTED OR NO MEASUREMENT MADE											
ndr	DID NOT MEET LAB QC											
NO2NO3	NITROGEN NITRATE + NITRITE											
P	PHOSPHORUS AS P											
QUAL	QUALIFIER											
COND	SPECIFIC CONDUCTANCE											
TEMP	TEMPERATURE WATER											
TSS	TOTAL SUSPENDED SOLIDS											
TURB	TURBIDITY											

APPENDIX C –DATA NOT COMPLIANT WITH PARAMETER-SPECIFIC RELATIVE PERCENT DIFFERENCE

Station id	Date	Parameter	Reason for Invalid Result
02-WNC	3/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	3/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	3/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	3/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
09-EXT	3/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BLM	3/22/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-LMP	3/22/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	3/22/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SFR	3/22/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
07-CCH	3/22/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	4/24/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	4/24/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	4/24/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	4/24/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
09-EXT	4/24/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BLM	4/26/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-LMP	4/26/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	4/26/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SFR	4/26/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
07-CCH	4/26/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	5/31/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	5/31/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	5/31/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	5/31/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
09-EXT	5/31/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BLM	6/2/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BLM	6/2/2006	CHLOROPHYLL A	Result validity questionable. Sample taken over 24 hours before being filtered.
05-LMP	6/2/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-LMP	6/2/2006	CHLOROPHYLL A	Result validity questionable. Sample taken over 24 hours before being filtered.
05-OYS	6/2/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	6/2/2006	CHLOROPHYLL A	Result validity questionable. Sample taken over 24 hours before being filtered.
05-SFR	6/2/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SFR	6/2/2006	CHLOROPHYLL A	Result validity questionable. Sample taken over 24 hours before being filtered.
07-CCH	6/2/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
07-CCH	6/2/2006	CHLOROPHYLL A	Result validity questionable. Sample taken over 24 hours before being filtered.

Station id	Date	Parameter	Reason for Invalid Result
05-BLM	6/19/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-LMP	6/19/2006	SPECIFIC CONDUCTANCE	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	6/19/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SFR	6/19/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
07-CCH	6/19/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	6/21/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	6/21/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	6/21/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	6/21/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
09-EXT	6/21/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	7/18/2006	CHLOROPHYLL A	Machine had a problem, so the sample had to be poured back into the test tube from the cuvette, and then was re-poured into the cuvette and tested. There was a lot of floating organic debris in the sample after filtration.
05-BLM	7/19/2006	SPECIFIC CONDUCTANCE	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	8/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	8/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	8/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	8/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
09-EXT	8/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BLM	8/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-LMP	8/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	8/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SFR	8/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
07-CCH	8/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BLM	9/19/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	9/19/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	9/19/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SFR	9/19/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
07-CCH	9/19/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	9/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	9/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-LMP	9/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	9/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
09-EXT	9/20/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BLM	10/17/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-LMP	10/17/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.

Station id	Date	Parameter	Reason for Invalid Result
05-OYS	10/17/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
07-CCH	10/17/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	10/18/2006	TOTAL SUSPENDED SOLIDS	TKN/NH3 ACID ADDED AT LAB; RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	10/18/2006	TOTAL SUSPENDED SOLIDS	TKN/NH3 ACID ADDED AT LAB; RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	10/18/2006	TOTAL SUSPENDED SOLIDS	TKN/NH3 ACID ADDED AT LAB; RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	10/18/2006	TOTAL SUSPENDED SOLIDS	TKN/NH3 ACID ADDED AT LAB; RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
09-EXT	10/18/2006	TOTAL SUSPENDED SOLIDS	TKN/NH3 ACID ADDED AT LAB; RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	11/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BLM	11/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-LMP	11/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	11/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	11/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
07-CCH	11/15/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	11/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	11/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	11/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SFR	11/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
09-EXT	11/16/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BLM	12/6/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	12/6/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-OYS	12/6/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SFR	12/6/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
07-CCH	12/6/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
02-WNC	12/7/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-BER	12/7/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-LMP	12/7/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
05-SAG	12/7/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.
09-EXT	12/7/2006	TOTAL SUSPENDED SOLIDS	RESULTS INVALID - FIELD REPLICATE RPD EXCEEDS CRITERIA IN 6/23/2006 SAMPLING AND ANALYSIS PLAN.