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# Ambient Rivers Monitoring in the Great Bay Estuary Watershed 2005

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# Ambient Rivers Monitoring in the Great Bay Estuary Watershed 2005

# **Ambient Rivers Monitoring in The Great Bay Estuary Watershed 2005**

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 2005. The activities described in this report were led by the DES Watershed Assistance Section and involved water monitoring in 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. The Department of Environmental Services 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.

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## INTRODUCTION

On June 22, 2005, 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 new sites were established on the freshwater portions of two Little Harbor tributaries, Berry's Brook and Sagamore Creek. These two new 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. The relatively rural watershed has experienced recent and continuing development that could impact the quality of the water flowing into Great Bay; in addition, the tidal dam has been identified as a potential site for fish passage restoration. 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 Berry's Brook where the sampling site is on the upstream side) using a sampling bucket and rope. Field measurements were made for dissolved oxygen, temperature, conductivity, pH, and turbidity. River water was poured into sampling containers for laboratory analysis for total Kjeldahl nitrogen (TKN), ammonia, nitrate/nitrite, total phosphorus, biological oxygen demand (BOD), *E. coli*, 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 2005 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 2005**

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 2005**

<b>Date Sampled</b>	<b>Sampling Sites</b>
March 22	05-Sfr, 07-Cch, 05-Blm, 05-Oys, 05-Lmp,
March 30	05-Sfr, 09-Ext, 02-Wnc, 05-Ber
April 27	05-Sfr, 07-Cch, 05-Blm, 05-Oys, 05-Lmp,
April 28	05-Ber, 05-Sag, 02-Wnc, 09-Ext
May 17	05-Sfr, 07-Cch, 05-Blm, 05-Oys, 05-Lmp
May 19	05-Ber, 05-Sag, 02-Wnc, 09-Ext
June 21	05-Oys, 05-Blm, 07-Cch, 05-Sfr,
June 22	05-Ber, 05-Sag, 02-Wnc, 09-Ext, 05-Lmp
July 26	05-Ber, 05-Sag, 02-Wnc, 09-Ext,
July 27	05-Oys, 05-Blm, 07-Cch, 05-Sfr, 05-Lmp
August 23	05-Ber, 05-Sag, 02-Wnc, 09-Ext,
August 24	05-Blm, 05-Oys, 05-Sfr, 07-Cch, 05-Lmp
September 20	05-Ber, 05-Sag, 02-Wnc, 09-Ext,
September 21	05-Lmp, 05-Oys, 05-Blm, 07-Cch, 05-Sfr
October 18	05-Lmp 05-Oys, 05-Blm, 07-Cch, 05-Sfr,
October 26	05-Ber, 05-Sag, 02-Wnc, 09-Ext
November 15	05-Lmp, 05-Oys, 05-Blm, 07-Cch, 05-Sfr
November 16	05-Ber, 05-Sag, 02-Wnc, 09-Ext
December 6	05-Ber, 05-Sag, 02-Wnc, 09-Ext
December 7	05-Lmp, 05-Oys, 05-Blm, 07-Cch, 05-Sfr

## **FIELD AND LABORATORY DATA**

Ambient river data for 2005 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 analyses 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 sampling sites**

Date	Sampling Site
3/22/05	07-Cch
4/28/05	05-Ber
5/18/05	05-Ber
6/21/05	05-Oys
7/26/05	02-Wnc
8/23/05	05-Sag
9/20/05	05-Ber
10/26/05	05-Ber
11/16/05	05-Ber
12/7/05	05-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%

Certain problems were encountered during the field work that resulted in no changes to the sample collection methods or analytical analyses while other issues did result in changes. Refer to table 5 for details.

**Table 5 Field problems encountered during the 2005 field season.**

Date	Site	Issue
3/22/05	All nine sites	No pH= 6 units standard available for sampling run.
4/27/05	07-Cch	Preserved nutrient bottle slightly overfilled.
5/17/05	05-Lmp	“Low battery” on turbidity meter- purchased battery and re-calibrated meter. Re-ran turbidity sample.
5/18/05	02-Wnc	Preserved nutrient bottle slightly overfilled.
7/27/05	All five sites	The zero dissolved oxygen standard was spilled. No zero standard check was possible.
9/21/05	All five sites	Dissolved oxygen zero standard determined to be out of date. Standard was not used.
11/16/05	02-Wnc	Preserved nutrient bottle slightly overfilled.

**Table 6 Lab problems encountered during 2005 field season.**

<b>Date</b>	<b>Site</b>	<b>Issue</b>
3/30/05	05-Sag, 05-Wnc, 09-Ext, 05-Sfr	BOD results did not meet lab QC. No BOD data reported by lab.
3/30/05	05-Sag, 02-Wnc, 09-Ext, 05-Sfr	Lab login error. Ammonia inadvertently left out of login. No ammonia results.
08/24/05	05-Sfr	Lab mistakenly dumped out chlorophyll sample before running it. No chlorophyll results.
11/15/05	05-Lmp, 05-Oys, 05-Blm, 07-Cch, 05-Sfr	Chlorophyll samples held past holding time. No chlorophyll results.
11/16/05	05-Ber, 09-Ext, 02-Wnc, 05-Sag	Chlorophyll samples held past holding time. No chlorophyll results.

## **RECOMMENDATIONS**

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

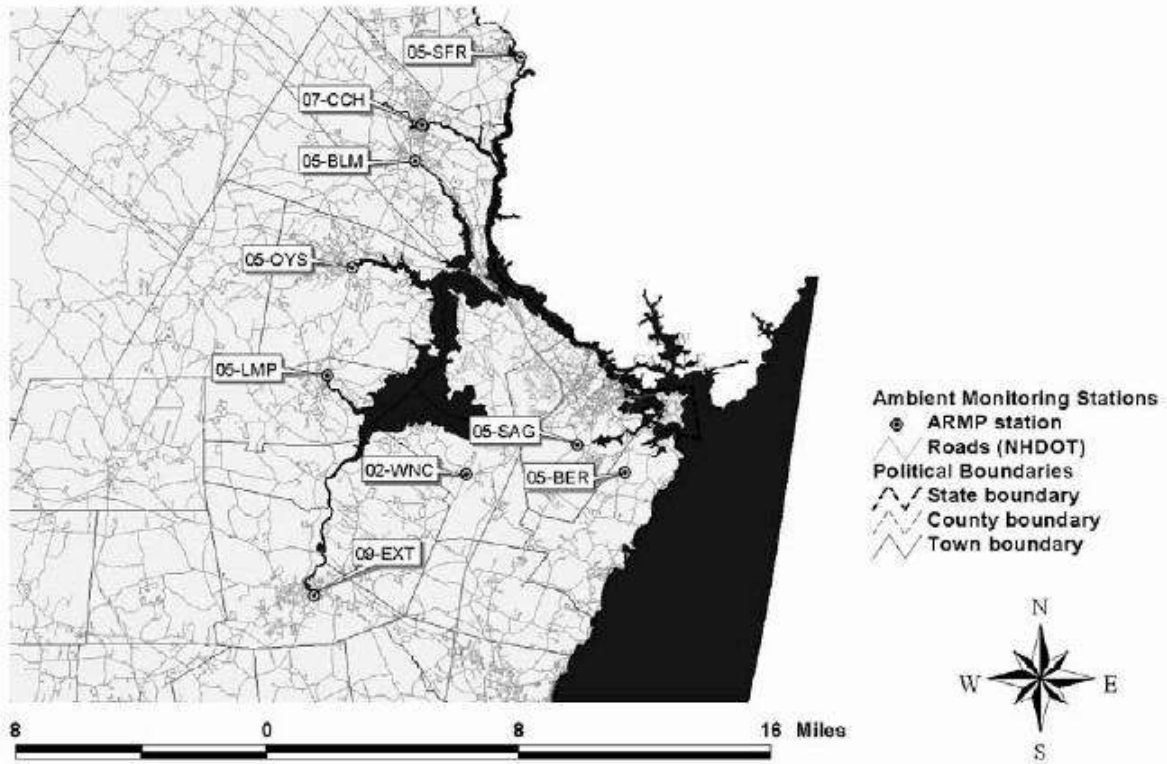
1. Monitoring should continue on a monthly basis at the nine coastal river sites to continue trend monitoring of ambient river quality. Baseline conditions and trends will be important in regards to measuring the success of the NHEP *Management Plan* implementation.
2. Steps should be taken to ensure all agencies and organizations that are interested in the data have access to it. DES has added the environmental monitoring data to the OneStop web-based program on the DES website and should promote this database to user groups.
3. The draft NHEP Water Quality Indicators report recommends removing BOD from the list of analytes monitored as part of this effort. The reasons for this recommendation are 1) the BOD concentration in the tributary samples was consistently below the analytical method detection level; therefore tributary loads could not be calculated and 2) changing to a new laboratory to use a more sensitive method would increase costs.

## **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

### NHDES Enhanced Ambient Rivers Monitoring Program Tidal Tributary Monitoring Stations



## APPENDIX B – AMBIENT RIVER DATA FOR COASTAL TRIBUTARIES

Berry's Brook at Sagamore Ave,  
Rye, 05-BER

Note: Data not meeting RPD are shaded.

ACTIVITY CATEGORY	START DATE	START TIME	BOD RESULTS	BOD QUAL	BOD UNITS	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS
ROUTINE SAMPLE	03/30/2005	11:36:00	ndr	ndr	ndr	1.16	UG/L	11.69	MG/L	83.40	%
ROUTINE SAMPLE	04/28/2005	09:25:00	2.40	<	MG/L	0.54	UG/L	8.33	MG/L	71.60	%
FIELD DUPLICATE	04/28/2005	09:25:00	2.40	<	MG/L	0.36	UG/L	7.78	MG/L	66.80	%
ROUTINE SAMPLE	05/18/2005	09:35:00	2.40	<	MG/L	2.13	UG/L	6.72	MG/L	61.60	%
FIELD DUPLICATE	05/18/2005	09:35:00	2.40	<	MG/L	2.30	UG/L	6.63	MG/L	60.90	%
ROUTINE SAMPLE	06/22/2005	09:30:00	2.40	<	MG/L	2.16	UG/L	3.22	MG/L	34.20	%
ROUTINE SAMPLE	07/26/2005	09:30:00	2.40	<	MG/L	4.32	UG/L	1.71	MG/L	19.20	%
ROUTINE SAMPLE	08/23/2005	09:50:00	2.40	<	MG/L	3.70	UG/L	2.34	MG/L	24.70	%
ROUTINE SAMPLE	09/20/2005	09:06:00	2.40	<	MG/L	10.40	UG/L	2.02	MG/L	20.30	%
FIELD DUPLICATE	09/20/2005	09:06:00	2.70	<	MG/L	16.76	UG/L	2.60	MG/L	23.20	%
ROUTINE SAMPLE	10/26/2005	09:22:00	2.40	<	MG/L	1	UG/L	7.58	MG/L	62.70	%
FIELD DUPLICATE	10/26/2005	09:22:00	2.40	<	MG/L	0.83	UG/L	6.07	MG/L	52.40	%
ROUTINE SAMPLE	11/16/2005	10:45:00	2.40	<	MG/L	DELETED	UG/L	7.85	MG/L	63.50	%
FIELD DUPLICATE	11/16/2005	10:46:00	2.40	<	MG/L	DELETED	UG/L	7.66	MG/L	62.10	%
ROUTINE SAMPLE	12/06/2005	09:31:00	2.40	<	MG/L	0.48	UG/L	11.26	MG/L	77.80	%

ACTIVITY CATEGORY	START DATE	START TIME	EC RESULTS	EC QUAL	EC UNITS	NITR RESULTS	NITR QUAL	NITR UNITS	TKN RESULTS	TKN UNITS
ROUTINE SAMPLE	03/30/2005	11:36:00	10	<	CTS/100ML	0.08	DELETE	DELETE	0.30	MG/L
ROUTINE SAMPLE	04/28/2005	09:25:00	40	<	CTS/100ML	0.06	<	MG/L	0.60	MG/L
FIELD DUPLICATE	04/28/2005	09:25:00	70	<	CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	05/18/2005	09:35:00	30	<	CTS/100ML	0.05	<	MG/L	0.60	MG/L
FIELD DUPLICATE	05/18/2005	09:35:00	20	<	CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	06/22/2005	09:30:00	600	<	CTS/100ML	0.05	<	MG/L	0.70	MG/L
ROUTINE SAMPLE	07/26/2005	09:30:00	60	<	CTS/100ML	0.05	<	MG/L	0.70	MG/L

ROUTINE SAMPLE	08/23/2005	09:50:00	20		CTS/100ML	0.07		MG/L	1	MG/L
ROUTINE SAMPLE	09/20/2005	09:06:00	120		CTS/100ML	0.22		MG/L	1.40	MG/L
FIELD DUPLICATE	09/20/2005	09:06:00	110		CTS/100ML	0.22		MG/L	1.50	MG/L
ROUTINE SAMPLE	10/26/2005	09:22:00	300		CTS/100ML	0.05	<	MG/L	0.70	MG/L
FIELD DUPLICATE	10/26/2005	09:22:00	770		CTS/100ML	0.05	<	MG/L	0.60	MG/L
ROUTINE SAMPLE	11/16/2005	10:45:00	40		CTS/100ML	0.10	<	MG/L	0.60	MG/L
FIELD DUPLICATE	11/16/2005	10:46:00	70		CTS/100ML	0.10	<	MG/L	0.60	MG/L
ROUTINE SAMPLE	12/06/2005	09:31:00	10	<	CTS/100ML	0.05	<	MG/L	0.50	MG/L

ACTIVITY CATEGORY	START DATE	START TIME	NO2NO3 RESULTS	NO2NO3 QUAL	NO2NO3 UNITS	PH RESULTS	PH UNITS	P RESULTS	P UNITS	COND RESULTS	COND UNITS
ROUTINE SAMPLE	03/30/2005	11:36:00	0.08		MG/L	6.55	UNITS	0.0150	MG/L	88.90	UMHOS/CM
ROUTINE SAMPLE	04/28/2005	09:25:00	0.05	<	MG/L	6.52	UNITS	0.0210	MG/L	156.50	UMHOS/CM
FIELD DUPLICATE	04/28/2005	09:25:00	0.05	<	MG/L	6.22	UNITS	0.0240	MG/L	156.20	UMHOS/CM
ROUTINE SAMPLE	05/18/2005	09:35:00	0.05	<	MG/L	6.47	UNITS	0.0330	MG/L	210.10	UMHOS/CM
FIELD DUPLICATE	05/18/2005	09:35:00	0.05	<	MG/L	6.33	UNITS	0.0310	MG/L	210.50	UMHOS/CM
ROUTINE SAMPLE	06/22/2005	09:30:00	0.05	<	MG/L	5.96	UNITS	0.0360	MG/L	277.70	UMHOS/CM
ROUTINE SAMPLE	07/26/2005	09:30:00	0.05	<	MG/L	5.96	UNITS	0.0740	MG/L	331.20	UMHOS/CM
ROUTINE SAMPLE	08/23/2005	09:50:00	0.05	<	MG/L	6.26	UNITS	0.0710	MG/L	362.10	UMHOS/CM
ROUTINE SAMPLE	09/20/2005	09:06:00	0.05	<	MG/L	6.34	UNITS	0.1280	MG/L	385.70	UMHOS/CM
FIELD DUPLICATE	09/20/2005	09:06:00	0.05	<	MG/L	6.52	UNITS	0.1440	MG/L	383.70	UMHOS/CM
ROUTINE SAMPLE	10/26/2005	09:22:00	0.05	<	MG/L	6.21	UNITS	0.0270	MG/L	211.50	UMHOS/CM
FIELD DUPLICATE	10/26/2005	09:22:00	0.05	<	MG/L	6.37	UNITS	0.0250	MG/L	202.40	UMHOS/CM
ROUTINE SAMPLE	11/16/2005	10:45:00	0.05	<	MG/L	6.65	UNITS	0.0240	MG/L	257.20	UMHOS/CM
FIELD DUPLICATE	11/16/2005	10:46:00	0.05	<	MG/L	6.64	UNITS	0.0240	MG/L	255.50	UMHOS/CM
ROUTINE SAMPLE	12/06/2005	09:31:00	0.05		MG/L	6.40	UNITS	.030	MG/L	124.10	UMHOS/CM

ACTIVITY CATEGORY	START DATE	START TIME	TEMP RESULTS	TEMP UNITS	TSS RESULTS	TSS QUAL	TSS UNITS	TURB RESULTS	TURB UNITS	WEATHER COMMENTS RESULTS
ROUTINE SAMPLE	03/30/2005	11:36:00	1.60	DEG C	5	<	MG/L	1.40	NTU	CLEAR, WIND, 50F
ROUTINE SAMPLE	04/28/2005	09:25:00	8.80	DEG C	5	<	MG/L	0.80	NTU	CLOUDY W/INTERMITTENT RAIN, BREEZE, 50F
FIELD DUPLICATE	04/28/2005	09:25:00	8.70	DEG C	5	<	MG/L	0.80	NTU	CLOUDY W/INTERMITTENT RAIN, BREEZE, 50F

ROUTINE SAMPLE	05/18/2005	09:35:00	11.50	DEG C	5	<	MG/L	1.50	NTU	CLOUDY W/O RAIN, BREEZE, 50F
FIELD DUPLICATE	05/18/2005	09:35:00	11.50	DEG C	6.0		MG/L	1.50	NTU	CLUDY W/O RAIN, BREEZE, 60F
ROUTINE SAMPLE	06/22/2005	09:30:00	18.10	DEG C	5	<	MG/L	1.40	NTU	CLOUDY W/RAIN, CALM, 60F
ROUTINE SAMPLE	07/26/2005	09:30:00	20.70	DEG C	6.50		MG/L	4.50	NTU	CLEAR, CALM, 80S
ROUTINE SAMPLE	08/23/2005	09:50:00	17.70	DEG C	7		MG/L	7.20	NTU	CLEAR, BREEZE, 80S
ROUTINE SAMPLE	09/20/2005	09:06:00	15.30	DEG C	14		MG/L	9	NTU	CLOUDY W/OUT RAIN, CALM, 70'S
FIELD DUPLICATE	09/20/2005	09:06:00	15.60	DEG C	11.50		MG/L	8.50	NTU	CLOUDY W/OUT RAIN, CALM, 70'S
ROUTINE SAMPLE	10/26/2005	09:22:00	7.20	DEG C	5	<	MG/L	0.80	NTU	CLOUDY W/OUT RAIN, BREEZE, 40'S
FIELD DUPLICATE	10/26/2005	09:22:00	7.40	DEG C	5	<	MG/L	0.80	NTU	CLOUDY W/OUT RAIN, BREEZE, 40'S
ROUTINE SAMPLE	11/16/2005	10:45:00	6.30	DEG C	5	<	MG/L	0.75	NTU	CLOUDY W/O RAIN, CALM, 40'S
FIELD DUPLICATE	11/16/2005	10:46:00	6.30	DEG C	5	<	MG/L	0.75	NTU	CLOUDY W/O RAIN, CALM, 40'S
ROUTINE SAMPLE	12/06/2005	09:31:00	0.70	DEG C	5	<	MG/L	0.65	NTU	CLOUDY W/OUT RAIN, CALM, 30'S

#### Legend

BOD	BIOCHEMICAL OXYGEN DEMAND	COND	SPECIFIC CONDUCTANCE
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN	TEMP	TEMPERATURE WATER
DO	DISSOLVED OXYGEN	TSS	TOTAL SUSPENDEED SOLIDS
DO SAT	DISSOLVED OXYGEN SATURATION	TURB	TURBIDITY
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		

Sagamore Creek at Peverly Hill Road, Portsmouth, 05-Sag

Note: Data not meeting RPD are shaded.

ACTIVITY CATEGORY	START DATE	START TIME	BOD RESULTS	BOD QUAL	BOD UNITS	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS
ROUTINE SAMPLE	03/22/2005	11:20:00	2.40	<	MG/L	1.26	UG/L	11.95	MG/L	87.60	%
ROUTINE SAMPLE	04/28/2005	09:59:00	2.40	<	MG/L	1.26	UG/L	10.05	MG/L	87.20	%
ROUTINE SAMPLE	05/18/2005	10:01:00	2.60		MG/L	4.01	UG/L	12.42	MG/L	119.70	%
ROUTINE SAMPLE	06/22/2005	09:55:00	2.40	<	MG/L	4.15	UG/L	6.17	MG/L	67.20	%
ROUTINE SAMPLE	07/26/2005	10:00:00	2.40	<	MG/L	3.32	UG/L	4.67	MG/L	54.50	%
ROUTINE SAMPLE	08/23/2005	10:16:00	2.40	<	MG/L	3.82	UG/L	5.90	MG/L	66.20	%
FIELD DUPLICATE	08/23/2005	10:16:00	2.40	<	MG/L	3.27	UG/L	5.96	MG/L	66.80	%
ROUTINE SAMPLE	09/20/2005	09:50:00	2.40	<	MG/L	5.52	UG/L	5.96	MG/L	64.60	%
ROUTINE SAMPLE	10/26/2005	10:02:00	2.40	<	MG/L	2.78	UG/L	9.54	MG/L	80.80	%
ROUTINE SAMPLE	11/16/2005	10:24:00	2.40	<	MG/L	DELETED	UG/L	9.83	MG/L	81.90	%
ROUTINE SAMPLE	12/06/2005	09:57:00	2.40	<	MG/L	0.55	UG/L	11.60	MG/L	84.40	%

ACTIVITY CATEGORY	START DATE	START TIME	EC RESULTS	EC QUAL	EC UNITS	NITR RESULTS	NITR QUAL	NITR UNITS	TKN RESULTS	TKN UNITS
ROUTINE SAMPLE	03/22/2005	11:20:00	10	<	CTS/100ML	0.05		MG/L	1.40	MG/L
ROUTINE SAMPLE	04/28/2005	09:59:00	150		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	05/18/2005	10:01:00	10	<	CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	06/22/2005	09:55:00	150		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	07/26/2005	10:00:00	30		CTS/100ML	0.08		MG/L	0.50	MG/L
ROUTINE SAMPLE	08/23/2005	10:16:00	170		CTS/100ML	0.05		MG/L	0.50	MG/L
FIELD DUPLICATE	08/23/2005	10:16:00	100		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	09/20/2005	09:50:00	160		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	10/26/2005	10:02:00	520		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	11/16/2005	10:24:00	10	<	CTS/100ML	0.10	<	MG/L	0.60	MG/L
ROUTINE SAMPLE	12/06/2005	09:57:00	10	<	CTS/100ML	0.05	<	MG/L	0.50	MG/L

ACTIVITY CATEGORY	START DATE	START TIME	NO2NO3 RESULTS	NO2NO3 QUAL	NO2NO3 UNITS	PH RESULTS	PH UNITS	P RESULTS	P UNITS	COND RESULTS	COND UNITS
ROUTINE SAMPLE	03/22/2005	11:20:00	0.15		MG/L	6.06	UNITS	0.0190	MG/L	757	UMHOS/CM
ROUTINE SAMPLE	04/28/2005	09:59:00	0.12		MG/L	6.25	UNITS	0.0350	MG/L	508	UMHOS/CM
ROUTINE SAMPLE	05/18/2005	10:01:00	0.05	<	MG/L	6.39	UNITS	0.0240	MG/L	919	UMHOS/CM
ROUTINE SAMPLE	06/22/2005	09:55:00	0.05	<	MG/L	6.48	UNITS	0.0210	MG/L	1115	UMHOS/CM
ROUTINE SAMPLE	07/26/2005	10:00:00	0.05	<	MG/L	6.42	UNITS	0.0430	MG/L	1333	UMHOS/CM
ROUTINE SAMPLE	08/23/2005	10:16:00	0.05		MG/L	7.03	UNITS	0.0180	MG/L	1411	UMHOS/CM
FIELD DUPLICATE	08/23/2005	10:16:00	0.05		MG/L	7.01	UNITS	0.0180	MG/L	1409	UMHOS/CM
ROUTINE SAMPLE	09/20/2005	09:50:00	0.05	<	MG/L	7.24	UNITS	0.0240	MG/L	1474	UMHOS/CM
ROUTINE SAMPLE	10/26/2005	10:02:00	0.11		MG/L	7.20	UNITS	0.0290	MG/L	483.80	UMHOS/CM
ROUTINE SAMPLE	11/16/2005	10:24:00	0.08		MG/L	7.24	UNITS	0.0190	MG/L	942	UMHOS/CM
ROUTINE SAMPLE	12/06/2005	09:57:00	0.15		MG/L	7.29	UNITS	0.0250	MG/L	462	UMHOS/CM

ACTIVITY CATEGORY	START DATE	START TIME	TEMP RESULTS	TEMP UNITS	TSS RESULTS	TSS QUAL	TSS UNITS	TURB RESULTS	TURB UNITS	WEATHER COMMENTS RESULTS
ROUTINE SAMPLE	03/22/2005	11:20:00	2.60	DEG C	5	<	MG/L	5	NTU	CLEAR, BREEZE, 40F
ROUTINE SAMPLE	04/28/2005	09:59:00	9.10	DEG C	5		MG/L	11	NTU	CLOUDY W/ INTERMITTENT RAIN
ROUTINE SAMPLE	05/18/2005	10:01:00	13.70	DEG C	6.0		MG/L	2.70	NTU	CLOUDY W/O RAIN, BREEZE, 50F
ROUTINE SAMPLE	06/22/2005	09:55:00	19.50	DEG C	5		MG/L	2.20	NTU	CLOUDY W/INTERMITTENT RAIN, BREEZE, 60F
ROUTINE SAMPLE	07/26/2005	10:00:00	23.10	DEG C	5		MG/L	1.60	NTU	CLEAR, CALM, 80S
ROUTINE SAMPLE	08/23/2005	10:16:00	21	DEG C	5	<	MG/L	0.95	NTU	CLEAR, BREEZE, 80S
FIELD DUPLICATE	08/23/2005	10:16:00	20.80	DEG C	5	<	MG/L	0.95	NTU	CLEAR, BREEZE, 80S
ROUTINE SAMPLE	09/20/2005	09:50:00	19.50	DEG C	6		MG/L	1.60	NTU	CLOUDY W/OUT RAIN, BREEZE, 70'S
ROUTINE SAMPLE	10/26/2005	10:02:00	8.20	DEG C	5	<	MG/L	4.80	NTU	CLOUDY W/OUT RAIN, BREEZE, 40'S
ROUTINE SAMPLE	11/16/2005	10:24:00	7.50	DEG C	7		MG/L	3.50	NTU	CLOUDY W/INTERMITTENT RAIN, CALM, 40'S
ROUTINE SAMPLE	12/06/2005	09:57:00	2.70	DEG C	9.50		MG/L	4.30	NTU	CLOUDY W/O RAIN, BREEZE, 30'S



Legend

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BOD	BIOCHEMICAL OXYGEN DEMAND
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

Winnicut River at Rt. 33 Bridge, Greenland, 02-WNC

Note: Data not meeting RPD are shaded.

ACTIVITY CATEGORY	START DATE	START TIME	BOD RESULTS	BOD QUAL	BOD UNITS	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS
ROUTINE SAMPLE	03/30/2005	11:08:00	ndr	ndr	ndr	0.52	UG/L	13.25	MG/L	94.30	%
ROUTINE SAMPLE	04/28/2005	11:06:00	2.40	<	MG/L	0.76	UG/L	9.43	MG/L	81.50	%
ROUTINE SAMPLE	05/18/2005	10:23:00	2.40	<	MG/L	2.30	UG/L	9.20	MG/L	88.30	%
ROUTINE SAMPLE	06/22/2005	10:23:00	2.40	<	MG/L	2.89	UG/L	6.55	MG/L	71.50	%
ROUTINE SAMPLE	07/26/2005	10:37:00	2.40	<	MG/L	14.55	UG/L	5.92	MG/L	73.50	%
FIELD DUPLICATE	07/26/2005	10:37:00	2.40	<	MG/L	12.37	UG/L	5.25	MG/L	64.30	%
ROUTINE SAMPLE	08/23/2005	10:55:00	2.40	<	MG/L	5.07	UG/L	5.74	MG/L	67.20	%
ROUTINE SAMPLE	09/20/2005	10:39:00	2.40	<	MG/L	12.28	UG/L	4.65	MG/L	49.60	%
ROUTINE SAMPLE	10/26/2005	10:24:00	2.40	<	MG/L	0.90	UG/L	9.24	MG/L	77.90	%
ROUTINE SAMPLE	11/16/2005	10:00:00	2.40	<	MG/L	DELETED	UG/L	9.94	MG/L	79.70	%
ROUTINE SAMPLE	12/06/2005	10:20:00	2.40	<	MG/L	0.16	UG/L	12.25	MG/L	85.70	%

ACTIVITY CATEGORY	START DATE	START TIME	EC RESULTS	EC QUAL	EC UNITS	NITR RESULTS	NITR QUALIFIER	NITR UNITS	TKN RESULTS	TKN UNITS
ROUTINE SAMPLE	03/30/2005	11:08:00	10	<	CTS/100ML	DELETED	DELETED	DELETED	0.30	MG/L
ROUTINE SAMPLE	04/28/2005	11:06:00	320		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	05/18/2005	10:23:00	20		CTS/100ML	0.05	<	MG/L	0.60	MG/L
ROUTINE SAMPLE	06/22/2005	10:23:00	480		CTS/100ML	0.26		MG/L	0.60	MG/L
ROUTINE SAMPLE	07/26/2005	10:37:00	60		CTS/100ML	0.05	<	MG/L	0.60	MG/L
FIELD DUPLICATE	07/26/2005	10:37:00	20		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	08/23/2005	10:55:00	120		CTS/100ML	0.05	<	MG/L	0.60	MG/L
ROUTINE SAMPLE	09/20/2005	10:39:00	60		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	10/26/2005	10:24:00	200		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	11/16/2005	10:00:00	120		CTS/100ML	0.10	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	12/06/2005	10:20:00	50		CTS/100ML	0.05	<	MG/L	0.40	MG/L

ACTIVITY CATEGORY	START DATE	START TIME	NO2NO3 RESULTS	NO2NO3 QUALIFIER	NO2NO3 UNITS	PH RESULTS	PH UNITS	P RESULTS	P UNITS	COND RESULTS	COND UNITS
ROUTINE SAMPLE	03/30/2005	11:08:00	0.20		MG/L	6.41	UNITS	0.0210	MG/L	117.80	UMHOS/CM
ROUTINE SAMPLE	04/28/2005	11:06:00	0.14		MG/L	6.51	UNITS	0.0380	MG/L	169.20	UMHOS/CM
ROUTINE SAMPLE	05/18/2005	10:23:00	0.14		MG/L	6.52	UNITS	0.0310	MG/L	296.40	UMHOS/CM
ROUTINE SAMPLE	06/22/2005	10:23:00	0.18		MG/L	6.50	UNITS	0.0690	MG/L	369.90	UMHOS/CM
ROUTINE SAMPLE	07/26/2005	10:37:00	0.05	<	MG/L	6.59	UNITS	0.0830	MG/L	440.70	UMHOS/CM
FIELD DUPLICATE	07/26/2005	10:37:00	0.05	<	MG/L	6.62	UNITS	0.0790	MG/L	440.50	UMHOS/CM
ROUTINE SAMPLE	08/23/2005	10:55:00	0.05	<	MG/L	7.05	UNITS	0.0390	MG/L	422.80	UMHOS/CM
ROUTINE SAMPLE	09/20/2005	10:39:00	0.05	<	MG/L	7.18	UNITS	0.0430	MG/L	438.40	UMHOS/CM
ROUTINE SAMPLE	10/26/2005	10:24:00	0.08		MG/L	6.41	UNITS	0.0370	MG/L	171.20	UMHOS/CM
ROUTINE SAMPLE	11/16/2005	10:00:00	0.25		MG/L	6.86	UNITS	0.0270	MG/L	312.10	UMHOS/CM
ROUTINE SAMPLE	12/06/2005	10:20:00	0.25		MG/L	7.10	UNITS	.030	MG/L	157	UMHOS/CM

ACTIVITY CATEGORY	START DATE	START TIME	TEMP RESULTS	TEMP UNITS	TSS RESULTS	TSS QUAL	TSS UNITS	TURB RESULTS	TURB UNITS	WEATHER COMMENTS RESULTS
ROUTINE SAMPLE	03/30/2005	11:08:00	1.50	DEG C	5	<	MG/L	3.30	NTU	CLEAR, BREEZE, 50F
ROUTINE SAMPLE	04/28/2005	11:06:00	9	DEG C	5.50		MG/L	6.60	NTU	CALM, CLOUDY W/INTERMITTENT RAIN, 50F
ROUTINE SAMPLE	05/18/2005	10:23:00	13.50	DEG C	6.0		MG/L	2.30	NTU	CLOUDY W/O RAIN, CALM, 50F
ROUTINE SAMPLE	06/22/2005	10:23:00	19.70	DEG C	5	<	MG/L	11	NTU	CLOUDY W/O RAIN, 70F
ROUTINE SAMPLE	07/26/2005	10:37:00	26.30	DEG C	6.50		MG/L	3.60	NTU	CLEAR, CALM, 80'S
FIELD DUPLICATE	07/26/2005	10:37:00	25.70	DEG C	6.50		MG/L	3.60	NTU	CLEAR, CALM, 80S
ROUTINE SAMPLE	08/23/2005	10:55:00	23.20	DEG C	5	<	MG/L	0.65	NTU	CLEAR, BREEZE, 80S
ROUTINE SAMPLE	09/20/2005	10:39:00	19.10	DEG C	7.50		MG/L	1.50	NTU	CLOUDY W/RAIN, CALM, 70'S
ROUTINE SAMPLE	10/26/2005	10:24:00	7.70	DEG C	5	<	MG/L	3	NTU	CLOUDY W/OUT RAIN, BREEZE, 40'S
ROUTINE SAMPLE	11/16/2005	10:00:00	6	DEG C	5	<	MG/L	2.50	NTU	CLOUDY W/O RAIN, CALM, 40'S
ROUTINE SAMPLE	12/06/2005	10:20:00	0.80	DEG C	5	<	MG/L	2.90	NTU	CLOUDY W/O RAIN CALM, 30'S

Legend

BOD BIOCHEMICAL OXYGEN DEMAND  
 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 CATEGORY	START DATE	START TIME	BOD RESULTS	BOD QUAL	BOD UNITS	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS
ROUTINE SAMPLE	03/30/2005	10:31:00	ndr	ndr	ndr	1.23	UG/L	13.63	MG/L	96.20	%
ROUTINE SAMPLE	04/28/2005	10:37:00	2.40	<	MG/L	1.11	UG/L	9.41	MG/L	84.20	%
ROUTINE SAMPLE	05/18/2005	11:00:00	2.40	<	MG/L	2.11	UG/L	9.42	MG/L	90.60	%
ROUTINE SAMPLE	06/22/2005	10:55:00	2.40	<	MG/L	1.45	UG/L	7.67	MG/L	84.70	%
ROUTINE SAMPLE	07/26/2005	11:20:00	2.40	<	MG/L	15.52	UG/L	5.66	MG/L	70.70	%
ROUTINE SAMPLE	08/23/2005	11:27:00	2.40	<	MG/L	5.88	UG/L	7.15	MG/L	83.10	%
ROUTINE SAMPLE	09/20/2005	11:14:00	2.40	<	MG/L	7.68	UG/L	5.25	MG/L	57.40	%
ROUTINE SAMPLE	10/26/2005	10:48:00	2.40	<	MG/L	0.88	UG/L	10.11	MG/L	85.30	%
ROUTINE SAMPLE	11/16/2005	09:22:00	2.40	<	MG/L	DELETED	UG/L	11.62	MG/L	73.20	%
ROUTINE SAMPLE	12/06/2005	10:53:00	2.40	<	MG/L	0	UG/L	13.19	MG/L	92.40	%

ACTIVITY CATEGORY	START DATE	START TIME	EC RESULTS	EC QUAL	EC UNITS	NITR RESULTS	NITR QUAL	NITR UNITS	TKN RESULTS	TKN UNITS
ROUTINE SAMPLE	03/30/2005	10:31:00	20		CTS/100ML	DELETED	DELETED	DELETED	0.30	MG/L
ROUTINE SAMPLE	04/28/2005	10:37:00	60		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	05/18/2005	11:00:00	80		CTS/100ML	0.05	<	MG/L	0.30	MG/L
ROUTINE SAMPLE	06/22/2005	10:55:00	100		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	07/26/2005	11:20:00	30		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	08/23/2005	11:27:00	40		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	09/20/2005	11:14:00	30		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	10/26/2005	10:48:00	1930		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	11/16/2005	09:22:00	100		CTS/100ML	0.10	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	12/06/2005	10:53:00	60		CTS/100ML	0.05	<	MG/L	0.30	MG/L

ACTIVITY CATEGORY	START DATE	START TIME	NO2NO3 RESULTS	NO2NO3 QUAL	NO2NO3 UNITS	PH RESULTS	PH UNITS	P RESULTS	P UNITS	COND RESULTS	COND UNITS
ROUTINE SAMPLE	03/30/2005	10:31:00	0.13		MG/L	6.37	UNITS	0.0360	MG/L	62.30	UMHOS/CM
ROUTINE SAMPLE	04/28/2005	10:37:00	0.06		MG/L	6.60	UNITS	0.0250	MG/L	114.60	UMHOS/CM
ROUTINE SAMPLE	05/18/2005	11:00:00	0.10		MG/L	6.66	UNITS	0.0260	MG/L	145.90	UMHOS/CM
ROUTINE SAMPLE	06/22/2005	10:55:00	0.15		MG/L	6.66	UNITS	0.0430	MG/L	286.90	UMHOS/CM
ROUTINE SAMPLE	07/26/2005	11:20:00	0.10		MG/L	6.58	UNITS	0.0750	MG/L	183.50	UMHOS/CM
ROUTINE SAMPLE	08/23/2005	11:27:00	0.10		MG/L	6.96	UNITS	0.0340	MG/L	210.60	UMHOS/CM
ROUTINE SAMPLE	09/20/2005	11:14:00	0.06		MG/L	7.03	UNITS	0.0360	MG/L	227	UMHOS/CM
ROUTINE SAMPLE	10/26/2005	10:48:00	0.05		MG/L	6.68	UNITS	0.0290	MG/L	112.80	UMHOS/CM
ROUTINE SAMPLE	11/16/2005	09:22:00	0.12		MG/L	6.32	UNITS	0.0220	MG/L	152.30	UMHOS/CM
ROUTINE SAMPLE	12/06/2005	10:53:00	0.14		MG/L	6.91	UNITS	0.0180	MG/L	76	UMHOS/CM

ACTIVITY CATEGORY	START DATE	START TIME	TEMP RESULTS	TEMP UNITS	TSS RESULTS	TSS QUAL	TSS UNITS	TURB RESULTS	TURB UNITS	WEATHER COMMENTS RESULTS
ROUTINE SAMPLE	03/30/2005	10:31:00	1.20	DEG C	5.50		MG/L	5.60	NTU	CLEAR, BREEZE, 50F
ROUTINE SAMPLE	04/28/2005	10:37:00	10.40	DEG C	5	<	MG/L	3	NTU	CLOUDY W/INTERMITTENT RAIN, BREEZE, 50F
ROUTINE SAMPLE	05/18/2005	11:00:00	13.60	DEG C	5	<	MG/L	2.20	NTU	CLOUDY W/O RAIN, CALM, 50F
ROUTINE SAMPLE	06/22/2005	10:55:00	20.20	DEG C	5	<	MG/L	4.70	NTU	CLOUDY W/O RAIN, 70F
ROUTINE SAMPLE	07/26/2005	11:20:00	26.90	DEG C	5		MG/L	13	NTU	CLEAR, CALM, 80S
ROUTINE SAMPLE	08/23/2005	11:27:00	22.90	DEG C	5	<	MG/L	2.10	NTU	CLEAR, BREEZE, 80S
ROUTINE SAMPLE	09/20/2005	11:14:00	19.80	DEG C	5.50		MG/L	2.40	NTU	CLOUDY W/INTERMITTENT RAIN, CALM, 70'S
ROUTINE SAMPLE	10/26/2005	10:48:00	8	DEG C	10		MG/L	3.70	NTU	CLOUDY W/OUT RAIN, WIND, 40'S
ROUTINE SAMPLE	11/16/2005	09:22:00	5.90	DEG C	5	<	MG/L	1.70	NTU	CLOUDY W/INTERMITTENT RAIN, CALM, 40'S
ROUTINE SAMPLE	12/06/2005	10:53:00	0.90	DEG C	5	<	MG/L	1.30	NTU	CLOUDY W/O RAIN, BREEZE, 30'S

Legend

BOD BIOCHEMICAL OXYGEN DEMAND  
 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 CATEGORY	START DATE	START TIME	BOD RESULTS	BOD QUAL	BOD UNITS	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS
ROUTINE SAMPLE	03/22/2005	10:45:00	2.40	<	MG/L	0.33	UG/L	13.74	MG/L	96	%
ROUTINE SAMPLE	04/27/2005	11:04:00	2.40	<	MG/L	0.90	UG/L	10.43	MG/L	94.60	%
ROUTINE SAMPLE	05/17/2005	09:30:00	2.40	<	MG/L	2.35	UG/L	10.40	MG/L	99	%
ROUTINE SAMPLE	06/22/2005	11:30:00	2.40	<	MG/L	1.83	UG/L	8.55	MG/L	92.30	%
ROUTINE SAMPLE	07/27/2005	12:00:00	2.40	<	MG/L	7.16	UG/L	7.71	MG/L	102.90	%
ROUTINE SAMPLE	08/24/2005	12:14:00	2.40	<	MG/L	9.98	UG/L	8.22	MG/L	98.40	%
ROUTINE SAMPLE	09/21/2005	10:43:00	2.40	<	MG/L	3.25	UG/L	5.74	MG/L	64	%
ROUTINE SAMPLE	10/18/2005	11:34:00	2.40	<	MG/L	1.28	UG/L	10.14	MG/L	93.40	%
ROUTINE SAMPLE	11/15/2005	11:06:00	2.40	<	MG/L	DELETED	UG/L	11.80	MG/L	94.50	%
ROUTINE SAMPLE	12/07/2005	11:09:00	2.40	<	MG/L	0.88	UG/L	13.81	MG/L	97.40	%

ACTIVITY CATEGORY	START DATE	START TIME	EC RESULTS	EC QUAL	EC UNITS	NITR RESULTS	NITR QUAL	NITR UNITS	TKN RESULTS	TKN UNITS
ROUTINE SAMPLE	03/22/2005	10:45:00	10	<	CTS/100ML	0.05	<	MG/L	0.25	MG/L
ROUTINE SAMPLE	04/27/2005	11:04:00	40	<	CTS/100ML	0.05	<	MG/L	0.30	MG/L
ROUTINE SAMPLE	05/17/2005	09:30:00	10	<	CTS/100ML	0.05	<	MG/L	0.25	MG/L
ROUTINE SAMPLE	06/22/2005	11:30:00	30	<	CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	07/27/2005	12:00:00	10	<	CTS/100ML	0.05	<	MG/L	0.60	MG/L
ROUTINE SAMPLE	08/24/2005	12:14:00	5	<	CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	09/21/2005	10:43:00	10	<	CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	10/18/2005	11:34:00	170	<	CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	11/15/2005	11:06:00	50	<	CTS/100ML	0.10	<	MG/L	0.30	MG/L
ROUTINE SAMPLE	12/07/2005	11:09:00	20	<	CTS/100ML	0.05	<	MG/L	0.30	MG/L



ACTIVITY CATEGORY	START DATE	START TIME	NO2NO3 RESULTS	NO2NO3 QUAL	NO2NO3 UNITS	PH RESULTS	PH UNITS	P RESULTS	P UNITS	COND RESULTS	COND UNITS
ROUTINE SAMPLE	03/22/2005	10:45:00	0.22		MG/L	6.60	UNITS	0.0150	MG/L	89.50	UMHOS/CM
ROUTINE SAMPLE	04/27/2005	11:04:00	0.45		MG/L	6.93	UNITS	0.0190	MG/L	92.80	UMHOS/CM
ROUTINE SAMPLE	05/17/2005	09:30:00	0.10		MG/L	5.85	UNITS	0.02	MG/L	107.20	UMHOS/CM
ROUTINE SAMPLE	06/22/2005	11:30:00	0.11		MG/L	6.76	UNITS	0.0330	MG/L	101.10	UMHOS/CM
ROUTINE SAMPLE	07/27/2005	12:00:00	0.10		MG/L	7.16	UNITS	0.0360	MG/L	133.90	UMHOS/CM
ROUTINE SAMPLE	08/24/2005	12:14:00	0.07		MG/L	7.08	UNITS	0.0220	MG/L	183.80	UMHOS/CM
ROUTINE SAMPLE	09/21/2005	10:43:00	0.07		MG/L	6.84	UNITS	0.02	MG/L	208.60	UMHOS/CM
ROUTINE SAMPLE	10/18/2005	11:34:00	0.05	<	MG/L	6	UNITS	0.0280	MG/L	74.50	UMHOS/CM
ROUTINE SAMPLE	11/15/2005	11:06:00	0.10		MG/L	6.75	UNITS	0.0170	MG/L	99.90	UMHOS/CM
ROUTINE SAMPLE	12/07/2005	11:09:00	0.12		MG/L	6.57	UNITS	0.0180	MG/L	52.80	UMHOS/CM

ACTIVITY CATEGORY	START DATE	START TIME	TEMP RESULTS	TEMP UNITS	TSS RESULTS	TSS QUAL	TSS UNITS	TURB RESULTS	TURB UNITS	WEATHER COMMENTS RESULTS
ROUTINE SAMPLE	03/22/2005	10:45:00	0.90	DEG C	5	<	MG/L	2.10	NTU	CLEAR, BREEZE, 40F
ROUTINE SAMPLE	04/27/2005	11:04:00	11	DEG C	5	<	MG/L	1.60	NTU	CLOUDY W/RAIN, WIND, 50F
ROUTINE SAMPLE	05/17/2005	09:30:00	13.20	DEG C	5.50		MG/L	1.40	NTU	CLOUDY W/O RAIN, CALM, 60F
ROUTINE SAMPLE	06/22/2005	11:30:00	19.10	DEG C	5	<	MG/L	2.50	NTU	CLOUDY W/O RAIN, CALM, 70F
ROUTINE SAMPLE	07/27/2005	12:00:00	30.30	DEG C	6.50		MG/L	2.30	NTU	CLEAR, CALM, 90S
ROUTINE SAMPLE	08/24/2005	12:14:00	24.40	DEG C	5	<	MG/L	1.50	NTU	CLOUDY W/O RAIN, CALM, 80S
ROUTINE SAMPLE	09/21/2005	10:43:00	20.70	DEG C	6.50		MG/L	1.80	NTU	CLEAR, WIND, 70'S
ROUTINE SAMPLE	10/18/2005	11:34:00	11.70	DEG C	5	<	MG/L	2.20	NTU	CALM, CLOUDY W/INTERMITTENT RAIN, 50'S
ROUTINE SAMPLE	11/15/2005	11:06:00	5.90	DEG C	5	<	MG/L	1.10	NTU	CLOUDY W/RAIN, CALM, 40'S
ROUTINE SAMPLE	12/07/2005	11:09:00	1	DEG C	7		MG/L	1.10	NTU	CLOUDY W/O RAIN, WIND, 30'S

#### LEDGEND

BOD	BIOCHEMICAL OXYGEN DEMAND	TSS	TOTAL SUSPENDED SOLIDS
CHL	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN	TURB	TURBIDITY
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

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	BOD RESULTS	BOD QUAL	BOD UNITS	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS
ROUTINE SAMPLE	03/22/2005	10:25:00	2.40	<	MG/L	0.88	UG/L	13.37	MG/L	93.80	%
ROUTINE SAMPLE	04/27/2005	10:46:00	2.40	<	MG/L	1.11	UG/L	10.47	MG/L	93.50	%
ROUTINE SAMPLE	05/17/2005	10:10:00	2.40	<	MG/L	3.11	UG/L	10.40	MG/L	97.80	%
ROUTINE SAMPLE	06/21/2005	11:35:00	2.40	<	MG/L	1.45	UG/L	9.19	MG/L	95.30	%
FIELD DUPLICATE	06/21/2005	11:35:00	2.40	<	MG/L	1.45	UG/L	9.09	MG/L	95.80	%
ROUTINE SAMPLE	07/27/2005	11:41:00	2.40	<	MG/L	16.48	UG/L	8.77	MG/L	111.50	%
ROUTINE SAMPLE	08/24/2005	12:40:00	4.80		MG/L	86.16	UG/L	10.45	MG/L	119.90	%
ROUTINE SAMPLE	09/21/2005	10:24:00	2.40	<	MG/L	7.59	UG/L	4.56	MG/L	49.90	%
ROUTINE SAMPLE	10/18/2005	11:17:00	2.40	<	MG/L	1.82	UG/L	9.27	MG/L	84.40	%
ROUTINE SAMPLE	11/15/2005	10:50:00	2.40	<	MG/L	DELETED	UG/L	11.76	MG/L	92.30	%
ROUTINE SAMPLE	12/07/2005	10:39:00	2.40	<	MG/L	0.31	UG/L	13.53	MG/L	95.10	%
FIELD DUPLICATE	12/07/2005	10:39:00	2.40	<	MG/L	0.50	UG/L	13.51	MG/L	94.90	%

ACTIVITY CATEGORY	START DATE	START TIME	EC RESULTS	EC QUAL	EC UNITS	NITR RESULTS	NITR QUAL	NITR UNITS	TKN RESULTS	TKN UNITS
ROUTINE SAMPLE	03/22/2005	10:25:00	80		CTS/100ML	0.05	<	MG/L	0.30	MG/L
ROUTINE SAMPLE	04/27/2005	10:46:00	50		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	05/17/2005	10:10:00	20		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	06/21/2005	11:35:00	60		CTS/100ML	0.12		MG/L	0.30	MG/L
FIELD DUPLICATE	06/21/2005	11:35:00	30		CTS/100ML	0.05	<	MG/L	0.60	MG/L
ROUTINE SAMPLE	07/27/2005	11:41:00	20		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	08/24/2005	12:40:00	20		CTS/100ML	0.05	<	MG/L	1.20	MG/L
ROUTINE SAMPLE	09/21/2005	10:24:00	10	<	CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	10/18/2005	11:17:00	60		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	11/15/2005	10:50:00	50		CTS/100ML	0.10	<	MG/L	0.30	MG/L

ROUTINE SAMPLE	12/07/2005	10:39:00	70		CTS/100ML	0.05	<	MG/L	0.25	MG/L
FIELD DUPLICATE	12/07/2005	10:39:00	110		CTS/100ML	0.05	<	MG/L	0.30	MG/L

ACTIVITY CATEGORY	START DATE	START TIME	NO2NO3 RESULTS	NO2NO3 QUAL	NO2NO3 UNITS	PH RESULTS	PH UNITS	P RESULTS	P UNITS	COND RESULTS	COND UNITS
ROUTINE SAMPLE	03/22/2005	10:25:00	0.27		MG/L	6.45	UNITS	0.0310	MG/L	134.10	UMHOS/CM
ROUTINE SAMPLE	04/27/2005	10:46:00	0.12		MG/L	6.57	UNITS	0.0270	MG/L	118.60	UMHOS/CM
ROUTINE SAMPLE	05/17/2005	10:10:00	0.14		MG/L	6.31	UNITS	0.03	MG/L	161	UMHOS/CM
ROUTINE SAMPLE	06/21/2005	11:35:00	0.20		MG/L	6.46	UNITS	0.0440	MG/L	168.70	UMHOS/CM
FIELD DUPLICATE	06/21/2005	11:35:00	0.20		MG/L	6.43	UNITS	0.0370	MG/L	167.20	UMHOS/CM
ROUTINE SAMPLE	07/27/2005	11:41:00	0.12		MG/L	7.07	UNITS	0.0520	MG/L	231	UMHOS/CM
ROUTINE SAMPLE	08/24/2005	12:40:00	0.05	<	MG/L	7.41	UNITS	0.0850	MG/L	350.30	UMHOS/CM
ROUTINE SAMPLE	09/21/2005	10:24:00	0.08		MG/L	6.94	UNITS	0.0380	MG/L	385	UMHOS/CM
ROUTINE SAMPLE	10/18/2005	11:17:00	0.12		MG/L	6.27	UNITS	0.0370	MG/L	106.40	UMHOS/CM
ROUTINE SAMPLE	11/15/2005	10:50:00	0.20		MG/L	6.63	UNITS	0.0220	MG/L	146.10	UMHOS/CM
ROUTINE SAMPLE	12/07/2005	10:39:00	0.25		MG/L	7.14	UNITS	0.02	MG/L	81.30	UMHOS/CM
FIELD DUPLICATE	12/07/2005	10:39:00	0.24		MG/L	7.11	UNITS	0.0220	MG/L	81.80	UMHOS/CM

ACTIVITY CATEGORY	START DATE	START TIME	TEMP RESULTS	TEMP UNITS	TSS RESULTS	TSS QUAL	TSS UNITS	TURB RESULTS	TURB UNITS	WEATHER COMMENTS RESULTS
ROUTINE SAMPLE	03/22/2005	10:25:00	1	DEG C	5	<	MG/L	6.80	NTU	CLEAR, BREEZE, 40F
ROUTINE SAMPLE	04/27/2005	10:46:00	10.40	DEG C	5	<	MG/L	5.10	NTU	CLOUDY W/RAIN, WIND, 50F
ROUTINE SAMPLE	05/17/2005	10:10:00	12.60	DEG C	6.0		MG/L	3.80	NTU	CLOUDY W/O RAIN, CALM, 60F
ROUTINE SAMPLE	06/21/2005	11:35:00	17.40	DEG C	5	<	MG/L	6	NTU	CLOUDY W/O RAIN, CALM, 80F
FIELD DUPLICATE	06/21/2005	11:35:00	17.90	DEG C	5.50		MG/L	5.70	NTU	CLOUDY W/O RAIN, CALM, 80F
ROUTINE SAMPLE	07/27/2005	11:41:00	27.80	DEG C	5.50		MG/L	4.50	NTU	CLEAR, BREEZE, 90S
ROUTINE SAMPLE	08/24/2005	12:40:00	22.20	DEG C	17		MG/L	4.80	NTU	CLOUDY W/O RAIN, CALM, 80S
ROUTINE SAMPLE	09/21/2005	10:24:00	19.60	DEG C	11		MG/L	2.60	NTU	CLEAR, WIND, 70'S
ROUTINE SAMPLE	10/18/2005	11:17:00	11.10	DEG C	10		MG/L	4.40	NTU	CALM, CLOUDY W/INTERMITTENT RAIN, 50'S
ROUTINE SAMPLE	11/15/2005	10:50:00	5.10	DEG C	5	<	MG/L	2.50	NTU	CLOUDY W/RAIN, CALM, 40'S
ROUTINE SAMPLE	12/07/2005	10:39:00	1	DEG C	13.50		MG/L	2.10	NTU	CLOUDY W/O RAIN, BREEZE, 30'S
FIELD DUPLICATE	12/07/2005	10:39:00	1	DEG C	9		MG/L	2.20	NTU	CLOUDY W/O RAIN, BREEZE, 30'S

Legend

BOD	BIOCHEMICAL OXYGEN DEMAND
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
TSS	WATER
TSS	TOTAL SUSPENDED SOLIDS
TURB	TURBIDITY

Bellamy River at Rt. 108 Bridge, Dover, 05-BLM

Note: Data not meeting RPD are shaded.

ACTIVITY CATEGORY	START DATE	START TIME	BOD RESULTS	BOD QUAL	BOD UNITS	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS
ROUTINE SAMPLE	03/22/2005	10:06:00	2.40	<	MG/L	0.85	UG/L	13.21	MG/L	93.40	%
ROUTINE SAMPLE	04/27/2005	10:24:00	2.40	<	MG/L	4.03	UG/L	10.37	MG/L	94.70	%
ROUTINE SAMPLE	05/17/2005	10:36:00	2.40	<	MG/L	1.97	UG/L	9.93	MG/L	97.90	%
ROUTINE SAMPLE	06/21/2005	11:00:00	2.40	<	MG/L	2.58	UG/L	8.89	MG/L	100.70	%
ROUTINE SAMPLE	07/27/2005	11:00:00	2.40	<	MG/L	8.34	UG/L	8.69	MG/L	109.70	%
ROUTINE SAMPLE	08/24/2005	11:46:00	2.40	<	MG/L	6.50	UG/L	7.32	MG/L	87.10	%
ROUTINE SAMPLE	09/21/2005	10:05:00	2.40	<	MG/L	1.36	UG/L	5.58	MG/L	61.20	%
ROUTINE SAMPLE	10/18/2005	10:50:00	2.40	<	MG/L	3.46	UG/L	9.97	MG/L	92	%
ROUTINE SAMPLE	11/15/2005	10:29:00	2.40	<	MG/L	DELETED	UG/L	11.37	MG/L	93.40	%
ROUTINE SAMPLE	12/07/2005	10:17:00	2.40		MG/L	0.88	UG/L	13.48	MG/L	96.30	%

ACTIVITY CATEGORY	START DATE	START TIME	EC RESULTS	EC QUAL	EC UNITS	NITR RESULTS	NITR QUAL	NITR UNITS	TKN RESULTS	TKN UNITS
ROUTINE SAMPLE	03/22/2005	10:06:00	10		CTS/100ML	0.05	<	MG/L	0.25	MG/L
ROUTINE SAMPLE	04/27/2005	10:24:00	10		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	05/17/2005	10:36:00	40		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	06/21/2005	11:00:00	50		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	07/27/2005	11:00:00	10		CTS/100ML	0.05	<	MG/L	0.60	MG/L
ROUTINE SAMPLE	08/24/2005	11:46:00	10	<	CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	09/21/2005	10:05:00	10		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	10/18/2005	10:50:00	70		CTS/100ML	0.05	<	MG/L	0.60	MG/L
ROUTINE SAMPLE	11/15/2005	10:29:00	20		CTS/100ML	0.10	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	12/07/2005	10:17:00	10		CTS/100ML	0.05	<	MG/L	0.40	MG/L

ACTIVITY CATEGORY	START DATE	START TIME	NO2NO3 RESULTS	NO2NO3 QUALIFIER	NO2NO3 UNITS	PH RESULTS	PH UNITS	P RESULTS	P UNITS	COND RESULTS	COND UNITS
ROUTINE SAMPLE	03/22/2005	10:06:00	0.17		MG/L	5.82	UNITS	0.0190	MG/L	87.90	UMHOS/CM
ROUTINE SAMPLE	04/27/2005	10:24:00	0.05	<	MG/L	6.53	UNITS	0.02	MG/L	71.10	UMHOS/CM
ROUTINE SAMPLE	05/17/2005	10:36:00	0.07		MG/L	6.65	UNITS	0.0220	MG/L	94.90	UMHOS/CM
ROUTINE SAMPLE	06/21/2005	11:00:00	0.06		MG/L	6.51	UNITS	0.03	MG/L	104.50	UMHOS/CM
ROUTINE SAMPLE	07/27/2005	11:00:00	0.05	<	MG/L	6.79	UNITS	0.0470	MG/L	154.20	UMHOS/CM
ROUTINE SAMPLE	08/24/2005	11:46:00	0.05	<	MG/L	6.99	UNITS	0.0320	MG/L	300.30	UMHOS/CM
ROUTINE SAMPLE	09/21/2005	10:05:00	0.05	<	MG/L	6.87	UNITS	0.0440	MG/L	282.50	UMHOS/CM
ROUTINE SAMPLE	10/18/2005	10:50:00	0.05		MG/L	6.02	UNITS	0.0320	MG/L	103.60	UMHOS/CM
ROUTINE SAMPLE	11/15/2005	10:29:00	0.08		MG/L	6.67	UNITS	0.0240	MG/L	96.30	UMHOS/CM
ROUTINE SAMPLE	12/07/2005	10:17:00	0.11		MG/L	6.92	UNITS	.030	MG/L	53	UMHOS/CM

ACTIVITY CATEGORY	START DATE	START TIME	TEMP RESULTS	TEMP UNITS	TSS RESULTS	TSS QUAL	TSS UNITS	TURB RESULTS	TURB UNITS	WEATHER COMMENTS RESULTS
ROUTINE SAMPLE	03/22/2005	10:06:00	1.30	DEG C	5	<	MG/L	3.10	NTU	CLEAR, BREEZE, 40F
ROUTINE SAMPLE	04/27/2005	10:24:00	11.30	DEG C	5	<	MG/L	2.30	NTU	CLOUDY W/RAIN, WIND, 50F
ROUTINE SAMPLE	05/17/2005	10:36:00	14.70	DEG C	6.5		MG/L	2.10	NTU	CLOUDY W/O RAIN, CALM, 60F
ROUTINE SAMPLE	06/21/2005	11:00:00	21.60	DEG C	5	<	MG/L	2.20	NTU	CLOUDY W/O RAIN, BREEZE, 80F
ROUTINE SAMPLE	07/27/2005	11:00:00	27.40	DEG C	5	<	MG/L	4.40	NTU	CLEAR, CALM, 80S
ROUTINE SAMPLE	08/24/2005	11:46:00	24.10	DEG C	5	<	MG/L	3	NTU	CLOUDY W/O RAIN, BREEZE, 80S
ROUTINE SAMPLE	09/21/2005	10:05:00	19.80	DEG C	5	<	MG/L	3.60	NTU	CLEAR, WIND, 70'S
ROUTINE SAMPLE	10/18/2005	10:50:00	11.80	DEG C	5	<	MG/L	3.70	NTU	CLOUDY W/INTERMITTENT RAIN, 50'S
ROUTINE SAMPLE	11/15/2005	10:29:00	6.90	DEG C	5	<	MG/L	2.10	NTU	CLOUDY W/RAIN, BREEZE, 40'S
ROUTINE SAMPLE	12/07/2005	10:17:00	1.50	DEG C	7.50		MG/L	1.60	NTU	CLOUDY W/O RAIN, 30'S, WIND

Legend

BOD	BIOCHEMICAL OXYGEN DEMAND
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 CATEGORY	START DATE	START TIME	BOD RESULTS	BOD QUAL	BOD UNITS	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS
ROUTINE SAMPLE	03/22/2005	09:20:00	2.50		MG/L	1.04	UG/L	13.82	MG/L	96.70	%
FIELD DUPLICATE	03/22/2005	09:30:00	2.40	<	MG/L	1.26	UG/L	13.97	MG/L	97.10	%
ROUTINE SAMPLE	04/27/2005	10:05:00	2.40	<	MG/L	0.74	UG/L	11.12	MG/L	97.60	%
ROUTINE SAMPLE	05/17/2005	11:20:00	2.40	<	MG/L	2.66	UG/L	10.55	MG/L	99.10	%
ROUTINE SAMPLE	06/21/2005	10:35:00	2.40	<	MG/L	1.09	UG/L	9.92	MG/L	102.10	%
ROUTINE SAMPLE	07/27/2005	10:45:00	2.40	<	MG/L	12.51	UG/L	8.29	MG/L	103.40	%
ROUTINE SAMPLE	08/24/2005	11:10:00	2.40	<	MG/L	11.87	UG/L	8.49	MG/L	99.90	%
ROUTINE SAMPLE	09/21/2005	09:50:00	2.40	<	MG/L	5.95	UG/L	84.70	MG/L	7.74	%
ROUTINE SAMPLE	10/18/2005	10:19:00	2.40	<	MG/L	0.74	UG/L	11.16	MG/L	102.40	%
ROUTINE SAMPLE	11/15/2005	10:15:00	2.40	<	MG/L	DELETED	UG/L	12.57	MG/L	99.70	%
ROUTINE SAMPLE	12/07/2005	10:01:00	2.40	<	MG/L	0.16	UG/L	14.37	MG/L	99.70	%

ACTIVITY CATEGORY	START DATE	START TIME	EC RESULTS	EC QUAL	EC UNITS	NITR RESULTS	NITR QUAL	NITR UNITS	TKN RESULTS	TKN UNITS
ROUTINE SAMPLE	03/22/2005	09:20:00	30		CTS/100ML	0.09		MG/L	0.30	MG/L
FIELD DUPLICATE	03/22/2005	09:30:00	10		CTS/100ML	0.07		MG/L	0.30	MG/L
ROUTINE SAMPLE	04/27/2005	10:05:00	40		CTS/100ML	0.05	<	MG/L	0.30	MG/L
ROUTINE SAMPLE	05/17/2005	11:20:00	60		CTS/100ML	0.05		MG/L	0.30	MG/L
ROUTINE SAMPLE	06/21/2005	10:35:00	80		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	07/27/2005	10:45:00	410		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	08/24/2005	11:10:00	200		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	09/21/2005	09:50:00	100		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	10/18/2005	10:19:00	80		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	11/15/2005	10:15:00	30		CTS/100ML	0.10	<	MG/L	0.30	MG/L
ROUTINE SAMPLE	12/07/2005	10:01:00	60		CTS/100ML	0.05	<	MG/L	0.30	MG/L

ACTIVITY CATEGORY	START DATE	START TIME	NO2NO3 RESULTS	NO2NO3 UNITS	PH RESULTS	PH UNITS	P RESULTS	P UNITS	COND RESULTS	COND UNITS
ROUTINE SAMPLE	03/22/2005	09:20:00	0.79	MG/L	6.58	UNITS	0.0550	MG/L	111.80	UMHOS/CM
FIELD DUPLICATE	03/22/2005	09:30:00	0.80	MG/L	6.59	UNITS	0.0530	MG/L	112.30	UMHOS/CM
ROUTINE SAMPLE	04/27/2005	10:05:00	0.25	MG/L	7	UNITS	0.0270	MG/L	78.70	UMHOS/CM
ROUTINE SAMPLE	05/17/2005	11:20:00	0.52	MG/L	6.66	UNITS	0.0430	MG/L	113.40	UMHOS/CM
ROUTINE SAMPLE	06/21/2005	10:35:00	0.32	MG/L	5.56	UNITS	0.0430	MG/L	110.30	UMHOS/CM
ROUTINE SAMPLE	07/27/2005	10:45:00	0.45	MG/L	6.60	UNITS	0.08	MG/L	158.90	UMHOS/CM
ROUTINE SAMPLE	08/24/2005	11:10:00	1.35	MG/L	7.12	UNITS	0.0810	MG/L	269.90	UMHOS/CM
ROUTINE SAMPLE	09/21/2005	09:50:00	1.50	MG/L	6.91	UNITS	0.0830	MG/L	304.50	UMHOS/CM
ROUTINE SAMPLE	10/18/2005	10:19:00	0.12	MG/L	6.09	UNITS	0.0320	MG/L	66.80	UMHOS/CM
ROUTINE SAMPLE	11/15/2005	10:15:00	0.32	MG/L	6.77	UNITS	0.03	MG/L	101.50	UMHOS/CM
ROUTINE SAMPLE	12/07/2005	10:01:00	0.38	MG/L	7.01	UNITS	0.0280	MG/L	58.60	UMHOS/CM

ACTIVITY CATEGORY	START DATE	START TIME	TEMP RESULTS	TEMP UNITS	TSS RESULTS	TSS QUAL	TSS UNITS	TURB RESULTS	TURB UNITS	WEATHER COMMENTS RESULTS
ROUTINE SAMPLE	03/22/2005	09:20:00	0.90	DEG C	5	<	MG/L	3.70	NTU	CLEAR, BREEZE, 40F
FIELD DUPLICATE	03/22/2005	09:30:00	0.60	DEG C	5	<	MG/L	3.80	NTU	CLEAR, BREEZE, 40F
ROUTINE SAMPLE	04/27/2005	10:05:00	9.60	DEG C	5	<	MG/L	2.10	NTU	CLOUDY W/RAIN, WIND, 50F
ROUTINE SAMPLE	05/17/2005	11:20:00	12.50	DEG C	9.50		MG/L	2.20	NTU	CLOUDY W/O RAIN, CALM, 60F
ROUTINE SAMPLE	06/21/2005	10:35:00	16.80	DEG C	5	<	MG/L	2.70	NTU	CLOUDY W/O RAIN, 80F, BREEZE
ROUTINE SAMPLE	07/27/2005	10:45:00	26.80	DEG C	6		MG/L	3.60	NTU	CLEAR, BREEZE, 80S
ROUTINE SAMPLE	08/24/2005	11:10:00	23.50	DEG C	5	<	MG/L	0	NTU	CLOUDY W/O RAIN, BREEZE, 80F
ROUTINE SAMPLE	09/21/2005	09:50:00	15.50	DEG C	6		MG/L	2	NTU	CLEAR, WIND, 70'S
ROUTINE SAMPLE	10/18/2005	10:19:00	11.50	DEG C	7.50		MG/L	3	NTU	CLOUDY W/RAIN, CALM, 50'S.
ROUTINE SAMPLE	11/15/2005	10:15:00	5.60	DEG C	5	<	MG/L	1.50	NTU	CLOUDY W/INTERMITTENT RAIN, 40'S, CALM
ROUTINE SAMPLE	12/07/2005	10:01:00	0.50	DEG C	5	<	MG/L	1.60	NTU	CLOUDY W/O RAIN, WIND, 30'S

Legend

BOD BIOCHEMICAL OXYGEN DEMAND  
 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 CATEGORY	START DATE	START TIME	BOD RESULTS	BOD QUAL	BOD UNITS	CHL RESULTS	CHL UNITS	DO RESULTS	DO UNITS	DO SAT RESULTS	DO SAT UNITS
ROUTINE SAMPLE	03/30/2005	09:34:00	ndr	ndr	ndr	1.42	UG/L	15.22	MG/L	107.70	%
ROUTINE SAMPLE	04/27/2005	09:45:00	2.40	<	MG/L	0.54	UG/L	11.10	MG/L	99.50	%
ROUTINE SAMPLE	05/17/2005	10:58:00	2.40	<	MG/L	1.78	UG/L	10.06	MG/L	95.40	%
ROUTINE SAMPLE	06/21/2005	10:06:00	2.40	<	MG/L	2.56	UG/L	9.41	MG/L	103.70	%
ROUTINE SAMPLE	07/27/2005	09:58:00	2.40	<	MG/L	9.93	UG/L	8.44	MG/L	108.10	%
ROUTINE SAMPLE	08/24/2005	10:37:00	2.40	<	MG/L	DELETED	UG/L	8.54	MG/L	102.10	%
ROUTINE SAMPLE	09/21/2005	09:20:00	2.40	<	MG/L	5.78	UG/L	8.54	MG/L	94.70	%
ROUTINE SAMPLE	10/18/2005	09:56:00	2.40	<	MG/L	1.28	UG/L	11.57	MG/L	106.20	%
ROUTINE SAMPLE	11/15/2005	09:50:00	2.40	<	MG/L	DELETED	UG/L	12.19	MG/L	98.90	%
ROUTINE SAMPLE	12/07/2005	09:32:00	2.40	<	MG/L	1.05	UG/L	14.08	MG/L	99.10	%

ACTIVITY CATEGORY	START DATE	START TIME	EC RESULTS	EC QUAL	EC UNITS	NITR RESULTS	NITR QUAL	NITR UNITS	TKN RESULTS	TKN UNITS
ROUTINE SAMPLE	03/30/2005	09:34:00	50		CTS/100ML	DELETED	DELETED	DELETED	0.25	MG/L
ROUTINE SAMPLE	04/27/2005	09:45:00	10	<	CTS/100ML	0.05	<	MG/L	0.30	MG/L
ROUTINE SAMPLE	05/17/2005	10:58:00	30		CTS/100ML	0.08		MG/L	0.30	MG/L
ROUTINE SAMPLE	06/21/2005	10:06:00	30		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	07/27/2005	09:58:00	30		CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	08/24/2005	10:37:00	10	<	CTS/100ML	0.05	<	MG/L	0.50	MG/L
ROUTINE SAMPLE	09/21/2005	09:20:00	200		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	10/18/2005	09:56:00	70		CTS/100ML	0.05	<	MG/L	0.40	MG/L
ROUTINE SAMPLE	11/15/2005	09:50:00	10		CTS/100ML	0.10	<	MG/L	0.25	MG/L
ROUTINE SAMPLE	12/07/2005	09:32:00	10	<	CTS/100ML	0.07		MG/L	0.30	MG/L

ACTIVITY CATEGORY	START DATE	START TIME	NO2NO3 RESULTS	NO2NO3 QUAL	NO2NO3 UNITS	PH RESULTS	PH UNITS	P RESULTS	P UNITS	COND RESULTS	COND UNITS
ROUTINE SAMPLE	03/30/2005	09:34:00	0.09		MG/L	5.70	UNITS	0.0410	MG/L	83.50	UMHOS/CM
ROUTINE SAMPLE	04/27/2005	09:45:00	0.09		MG/L	5.39	UNITS	0.0260	MG/L	59.80	UMHOS/CM
ROUTINE SAMPLE	05/17/2005	10:58:00	0.13		MG/L	6.56	UNITS	0.0240	MG/L	76.20	UMHOS/CM
ROUTINE SAMPLE	06/21/2005	10:06:00	0.10		MG/L	5.27	UNITS	0.0380	MG/L	92.70	UMHOS/CM
ROUTINE SAMPLE	07/27/2005	09:58:00	0.20		MG/L	6.41	UNITS	0.0320	MG/L	134.70	UMHOS/CM
ROUTINE SAMPLE	08/24/2005	10:37:00	0.18		MG/L	6.51	UNITS	0.0270	MG/L	159.60	UMHOS/CM
ROUTINE SAMPLE	09/21/2005	09:20:00	0.27		MG/L	6.87	UNITS	0.0320	MG/L	174	UMHOS/CM
ROUTINE SAMPLE	10/18/2005	09:56:00	0.05	<	MG/L	6.06	UNITS	0.0270	MG/L	60.70	UMHOS/CM
ROUTINE SAMPLE	11/15/2005	09:50:00	0.10		MG/L	6.77	UNITS	0.0210	MG/L	78.80	UMHOS/CM
ROUTINE SAMPLE	12/07/2005	09:32:00	0.13		MG/L	7	UNITS	0.0240	MG/L	46.30	UMHOS/CM

ACTIVITY CATEGORY	START DATE	START TIME	TEMP RESULTS	TEMP UNITS	TSS RESULTS	TSS QUAL	TSS UNITS	TURB RESULTS	TURB UNITS	WEATHER RESULTS	COMMENTS
ROUTINE SAMPLE	03/30/2005	09:34:00	1.30	DEG C	19		MG/L	8.60	NTU	CLEAR, WIND, 50F	
ROUTINE SAMPLE	04/27/2005	09:45:00	10.50	DEG C	6.50		MG/L	3.50	NTU	CLOUDY W/RAIN, WIND, 50F	
ROUTINE SAMPLE	05/17/2005	10:58:00	13	DEG C	6.0		MG/L	1.60	NTU	CLOUDY W/O RAIN	
ROUTINE SAMPLE	06/21/2005	10:06:00	20.10	DEG C	5	<	MG/L	2.30	NTU	CLOUDY W/O RAIN, BREEZE, 80F	
ROUTINE SAMPLE	07/27/2005	09:58:00	28.20	DEG C	6		MG/L	2.60	NTU	CLEAR, 80S, BREEZE	
ROUTINE SAMPLE	08/24/2005	10:37:00	24.30	DEG C	5	<	MG/L	0.30	NTU	CLOUDY W/O RAIN, CALM, 80S	
ROUTINE SAMPLE	09/21/2005	09:20:00	20.50	DEG C	7		MG/L	2.20	NTU	CLEAR, WIND, 70'S	
ROUTINE SAMPLE	10/18/2005	09:56:00	11.60	DEG C	9		MG/L	4	NTU	CLOUDY W/RAIN, CALM, 50S	
ROUTINE SAMPLE	11/15/2005	09:50:00	6.50	DEG C	5.50		MG/L	1.30	NTU	CLOUDY W/INTERMITTENT RAIN, 40'S, BREEZE	
ROUTINE SAMPLE	12/07/2005	09:32:00	1.20	DEG C	5	<	MG/L	1.30	NTU	CLOUDY W/O RAIN, BREEZE, 30'S	

#### Legend

BOD	BIOCHEMICAL OXYGEN DEMAND
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

RESULTS INVALID - DAILY FIELD DUPLICATE RPD EXCEEDS CRITERIA IN APPROVED ARMP QAPP

<u>Station ID</u>	<u>Date</u>	<u>Parameter</u>
07-CCH	3/22/05	NITROGEN, AMMONIA AS N
05-SFR	4/27/05	NITROGEN, AMMONIA AS N
07-CCH	4/27/05	NITROGEN, AMMONIA AS N
05-BLM	4/27/05	NITROGEN, AMMONIA AS N
05-OYS	4/27/05	NITROGEN, AMMONIA AS N
05-LMP	4/27/05	NITROGEN, AMMONIA AS N
05-BER	4/28/05	NITROGEN, AMMONIA AS N
05-SAG	4/28/05	SOLIDS, SUSPENDED
09-EXT	4/28/05	SOLIDS, SUSPENDED
09-EXT	4/28/05	NITROGEN, AMMONIA AS N
02-WNC	4/28/05	SOLIDS, SUSPENDED
05-LMP	5/17/05	SOLIDS, SUSPENDED
05-OYS	5/17/05	SOLIDS, SUSPENDED
05-BLM	5/17/05	SOLIDS, SUSPENDED
05-SFR	5/17/05	SOLIDS, SUSPENDED
07-CCH	5/17/05	SOLIDS, SUSPENDED
05-BER	5/18/05	SOLIDS, SUSPENDED
05-SAG	5/18/05	SOLIDS, SUSPENDED
05-SAG	5/18/05	NITROGEN, AMMONIA AS N
05-SAG	5/18/05	NITROGEN, KJELDAHL
02-WNC	5/18/05	SOLIDS, SUSPENDED
02-WNC	5/18/05	NITROGEN, AMMONIA AS N
02-WNC	5/18/05	NITROGEN, KJELDAHL
09-EXT	5/18/05	SOLIDS, SUSPENDED
09-EXT	5/18/05	NITROGEN, AMMONIA AS N
09-EXT	5/18/05	NITROGEN, KJELDAHL
05-SFR	6/21/05	NITROGEN, AMMONIA AS N
05-SFR	6/21/05	SOLIDS, SUSPENDED
05-SFR	6/21/05	NITROGEN, KJELDAHL
07-CCH	6/21/05	NITROGEN, AMMONIA AS N
07-CCH	6/21/05	SOLIDS, SUSPENDED
07-CCH	6/21/05	NITROGEN, KJELDAHL
05-BLM	6/21/05	SOLIDS, SUSPENDED
05-BLM	6/21/05	NITROGEN, AMMONIA AS N
05-BLM	6/21/05	NITROGEN, KJELDAHL
05-OYS	6/21/05	NITROGEN, AMMONIA AS N
05-OYS	6/21/05	SOLIDS, SUSPENDED
05-OYS	6/21/05	NITROGEN, KJELDAHL
05-BER	6/22/05	NITROGEN, KJELDAHL
05-BER	6/22/05	DISSOLVED OXYGEN SATURATION
05-BER	6/22/05	DISSOLVED OXYGEN
05-SAG	6/22/05	NITROGEN, KJELDAHL

<u>Station ID</u>	<u>Date</u>	<u>Parameter</u>
05-SAG	6/22/05	DISSOLVED OXYGEN SATURATION
05-SAG	6/22/05	DISSOLVED OXYGEN
02-WNC	6/22/05	NITROGEN, KJELDAHL
02-WNC	6/22/05	DISSOLVED OXYGEN SATURATION
02-WNC	6/22/05	DISSOLVED OXYGEN
09-EXT	6/22/05	NITROGEN, KJELDAHL
09-EXT	6/22/05	DISSOLVED OXYGEN SATURATION
09-EXT	6/22/05	DISSOLVED OXYGEN
05-LMP	6/22/05	NITROGEN, KJELDAHL
05-LMP	6/22/05	DISSOLVED OXYGEN SATURATION
05-LMP	6/22/05	DISSOLVED OXYGEN
05-BER	7/26/05	DISSOLVED OXYGEN SATURATION
05-BER	7/26/05	DISSOLVED OXYGEN
05-BER	7/26/05	NITROGEN, KJELDAHL
05-SAG	7/26/05	DISSOLVED OXYGEN SATURATION
05-SAG	7/26/05	DISSOLVED OXYGEN
05-SAG	7/26/05	NITROGEN, KJELDAHL
02-WNC	7/26/05	DISSOLVED OXYGEN SATURATION
02-WNC	7/26/05	DISSOLVED OXYGEN
02-WNC	7/26/05	NITROGEN, KJELDAHL
09-EXT	7/26/05	NITROGEN, AMMONIA AS N
05-SFR	7/27/05	NITROGEN, AMMONIA AS N
07-CCH	7/27/05	NITROGEN, AMMONIA AS N
05-BLM	7/27/05	NITROGEN, AMMONIA AS N
05-OYS	7/27/05	NITROGEN, AMMONIA AS N
05-LMP	7/27/05	NITROGEN, AMMONIA AS N
05-BER	8/23/05	NITROGEN, AMMONIA AS N
05-SAG	8/23/05	NITROGEN, AMMONIA AS N
02-WNC	8/23/05	BIOCHEMICAL OXYGEN DEMAND (BOD)
02-WNC	8/23/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
02-WNC	8/23/05	DISSOLVED OXYGEN SATURATION
02-WNC	8/23/05	DISSOLVED OXYGEN
09-EXT	8/23/05	BIOCHEMICAL OXYGEN DEMAND (BOD)
09-EXT	8/23/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
09-EXT	8/23/05	DISSOLVED OXYGEN SATURATION
09-EXT	8/23/05	DISSOLVED OXYGEN
05-SFR	8/24/05	BIOCHEMICAL OXYGEN DEMAND (BOD)
05-SFR	8/24/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-SFR	8/24/05	DISSOLVED OXYGEN SATURATION
05-SFR	8/24/05	DISSOLVED OXYGEN
07-CCH	8/24/05	BIOCHEMICAL OXYGEN DEMAND (BOD)
07-CCH	8/24/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
07-CCH	8/24/05	DISSOLVED OXYGEN SATURATION
07-CCH	8/24/05	DISSOLVED OXYGEN
05-BLM	8/24/05	BIOCHEMICAL OXYGEN DEMAND (BOD)
05-BLM	8/24/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-BLM	8/24/05	DISSOLVED OXYGEN SATURATION
05-BLM	8/24/05	DISSOLVED OXYGEN



<u>Station ID</u>	<u>Date</u>	<u>Parameter</u>
05-LMP	8/24/05	BIOCHEMICAL OXYGEN DEMAND (BOD)
05-LMP	8/24/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-LMP	8/24/05	DISSOLVED OXYGEN SATURATION
05-LMP	8/24/05	DISSOLVED OXYGEN
05-OYS	8/24/05	BIOCHEMICAL OXYGEN DEMAND (BOD)
05-OYS	8/24/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-OYS	8/24/05	DISSOLVED OXYGEN SATURATION
05-OYS	8/24/05	DISSOLVED OXYGEN
05-BER	9/20/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-BER	9/20/05	BIOCHEMICAL OXYGEN DEMAND (BOD)
05-BER	9/20/05	DISSOLVED OXYGEN SATURATION
05-BER	9/20/05	DISSOLVED OXYGEN
05-SAG	9/20/05	DISSOLVED OXYGEN SATURATION
05-SAG	9/20/05	DISSOLVED OXYGEN
02-WNC	9/20/05	DISSOLVED OXYGEN SATURATION
02-WNC	9/20/05	DISSOLVED OXYGEN
09-EXT	9/20/05	DISSOLVED OXYGEN SATURATION
09-EXT	9/20/05	DISSOLVED OXYGEN
05-SFR	9/21/05	DISSOLVED OXYGEN SATURATION
05-SFR	9/21/05	DISSOLVED OXYGEN
07-CCH	9/21/05	DISSOLVED OXYGEN SATURATION
07-CCH	9/21/05	DISSOLVED OXYGEN
05-BLM	9/21/05	DISSOLVED OXYGEN SATURATION
05-BLM	9/21/05	DISSOLVED OXYGEN
05-LMP	9/21/05	DISSOLVED OXYGEN SATURATION
05-LMP	9/21/05	DISSOLVED OXYGEN
05-SFR	10/18/05	DISSOLVED OXYGEN SATURATION
05-SFR	10/18/05	DISSOLVED OXYGEN
07-CCH	10/18/05	DISSOLVED OXYGEN SATURATION
07-CCH	10/18/05	DISSOLVED OXYGEN
05-BLM	10/18/05	DISSOLVED OXYGEN SATURATION
05-BLM	10/18/05	DISSOLVED OXYGEN
05-OYS	10/18/05	DISSOLVED OXYGEN SATURATION
05-OYS	10/18/05	DISSOLVED OXYGEN
05-LMP	10/18/05	DISSOLVED OXYGEN SATURATION
05-LMP	10/18/05	DISSOLVED OXYGEN
05-SFR	11/15/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
07-CCH	11/15/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-BLM	11/15/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-OYS	11/15/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-LMP	11/15/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
09-EXT	11/16/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
02-WNC	11/16/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-SAG	11/16/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-BER	11/16/05	CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN
05-BER	12/6/05	SOLIDS, SUSPENDED
05-SAG	12/6/05	SOLIDS, SUSPENDED
02-WNC	12/6/05	SOLIDS, SUSPENDED

<u>Station ID</u>	<u>Date</u>	<u>Parameter</u>
09-EXT	12/6/05	SOLIDS, SUSPENDED
05-SFR	12/7/05	SOLIDS, SUSPENDED
07-CCH	12/7/05	SOLIDS, SUSPENDED
05-BLM	12/7/05	SOLIDS, SUSPENDED
05-OYS	12/7/05	SOLIDS, SUSPENDED
05-LMP	12/7/05	SOLIDS, SUSPENDED

