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Laboratory Analyses of Water and Shellfish from Coastal Waters and Watershed of New Hampshire, Finnigan

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LABORATORY ANALYSES OF WATER AND SHELLFISH FROM COASTAL WATERS AND WATERSHED OF NEW HAMPSHIRE

A Final Report to

The New Hampshire Estuaries Project

Submitted by

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Executive Summary:

The Department of Health and Human Services-New Hampshire Public Health Laboratories (DHHS-NHPHL) has participated in providing laboratory analyses as part of the National Estuary Program since its inception in New Hampshire in 1995. The NHPHL has continued to carry out various actions dealing with the monitoring program as listed in the NH Estuaries Project Management Plan.

Introduction:

The NHPHL implemented selected actions from the NH Estuaries Project Management Plan and Year Seven and Eight workplan to help address the sanitary environmental problems affecting the state's estuarine systems.

Project Goals and Objectives:

The NHPHL succeeded in meeting the following goals and objectives:

The NHPHL assisted in the evaluation of the sanitary quality of the state's shellfish growing waters and shellfish meats by providing laboratory analyses for bacterial contamination, salinity, and pH. The data obtained is used to evaluate the sanitary quality of the state's shellfish waters.

The NHPHL supplemented efforts to monitor for the presence of Paralytic Shellfish Poisoning in the state's shellfish resources by providing laboratory analyses of shellfish samples from three sites in coastal NH.

Methods:

All laboratory analyses were conducted according to applicable FDA methods. All analyses met FDA-required Quality Assurance/Quality Control standards. All testing was performed using guidelines conforming to the National Shellfish Sanitation Program. The NHPHL implemented a split sample proficiency program that is becoming nationwide in scope and designed specifically for analysis of fecal coliforms with levels in ranges important to the Shellfish Program. This is the only program of its kind and has the potential for use internationally.

The NHPHL maintained a minimum of 6 full-time employees including support personnel to provide timely and accurate laboratory testing as needed throughout the calendar year. Ms. Finnigan, as part of the New England State Laboratory Evaluation Officers and Managers (NELEOM), attended the FDA sponsored NELEOM Annual Meeting. The purpose of the meeting is to maintain uniformity and update laboratory standard methods and policies to promote and enhance application of laboratory procedures pertaining to shellfish bacteriological and biotoxin testing and procedures of the National Shellfish Sanitation Program.

The NHPHL maintained and provided all analytical results in hard copy to the DES Shellfish Program for inclusion in their final report to NHEP. Data is available to any cooperating agency upon request and is included in the appendices of this report.

Results and Discussion:

Shellfish Water Monitoring: Bacterial Analyses. The NHPHL received 780 and tested 777 shellfish growing water samples in 2004. 524 fecal coliform tests were applied to the match. 226 fecal coliform tests were supported by the NHEP. The salinity and pH were performed on 777 samples and were used as match. This activity is relevant to NHEP Workplan #03-B-3.

Shellfish Water Monitoring: Paralytic Shellfish Poisoning (PSP) Analyses. The NHPHL received 58 and tested 57 shellfish tissue samples for PSP toxin in 2004. 11 samples were used as match. 46 samples were supported by the NHEP. This activity is relevant to NHEP Workplan #03-B-3.

Shellfish Meat Testing: Bacterial Analyses. The NHPHL received and tested 103 shellfish meats. This activity is relevant to NHEP Workplan #03-B-3.

Conclusions:

All aspects of the DHHS-NHPHL portion of the Management Plan were carried out. 30 of the 780 (3.8%) fecal coliform samples were not tested and 1 out of 57 PSP samples (1.8%) were not processed. Each of these samples was investigated as to the cause, and corrective action was undertaken to prevent future occurrences.

Recommendations:

The upcoming year will include providing continued laboratory analyses for the presence of PSP and for providing continued laboratory analyses of shellfish growing water samples for fecal coliform bacteria, salinity, pH and assisting in evaluating the sanitary quality of the state's shellfish by performing shellfish meat fecal coliform testing on samples taken during dry and wet weather conditions.

**LABORATORY ANALYSES OF WATER AND SHELLFISH FROM
COASTAL WATERS AND WATERSHED OF NEW HAMPSHIRE**

New Hampshire Public Health Laboratories

Appendix A

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
T7	1	2/2/2004	7:11	2/2/2004	13:20	<2	31	7.80
T14	2	2/2/2004	7:16	2/2/2004	13:20	9.2	33	7.85
LHB9	3	2/2/2004	8:26	2/2/2004	13:20	26	33	7.86
LHB5	4	2/2/2004	8:29	2/2/2004	13:20	<2	32	7.85
LHB16	5	2/2/2004	8:31	2/2/2004	13:20	79	33	7.90
LHB8	6	2/2/2004	8:34	2/2/2004	13:20	14	33	7.90
T13	7	2/2/2004	8:37	2/2/2004	13:20	22	33	7.85
LHB13	8	2/2/2004	8:38	2/2/2004	13:20	33	33	7.88
T6	9	2/2/2004	8:40	2/2/2004	13:20	17	33	7.90
LHB6	10	2/2/2004	8:41	2/2/2004	13:20	17	33	7.91
LHB2	11	2/2/2004	8:44	2/2/2004	13:20	17	33	7.86
LHB1	12	2/2/2004	8:46	2/2/2004	13:20	70	34	7.89
AC1A	13	2/3/2004	8:34	2/3/2004	12:15	2	33	7.91
AC2	14	2/3/2004	8:39	2/3/2004	12:15	<2	34	7.87
AC3	15	2/3/2004	8:24	2/3/2004	12:15	<2	33	7.93
AC3A	16	2/3/2004	8:20	2/3/2004	12:15	<2	34	7.89
AC4C	17	2/3/2004	8:15	2/3/2004	12:15	2	34	7.88
AC4D	18	2/3/2004	8:13	2/3/2004	12:15	2	34	7.86
AC10	19	2/3/2004	8:02	2/3/2004	12:15	<2	34	7.91
AC5A	20	2/3/2004	7:57	2/3/2004	12:15	<2	34	7.90
AC6G	21	2/3/2004	7:29	2/3/2004	12:15	1.8	32	7.93
7B	22	2/3/2004	7:17	2/3/2004	12:15	2	34	7.70
AC8	23	2/3/2004	7:11	2/3/2004	12:15	6.8	34	7.88
RH1	24	2/3/2004	7:52	2/3/2004	12:15	1.8	34	7.91
RH2	25	2/3/2004	7:47	2/3/2004	12:15	1.8	34	7.93
RH3	26	2/3/2004	7:35	2/3/2004	12:15	2	34	7.91
RH4	27	2/3/2004	7:41	2/3/2004	12:15	2	34	7.93
Hampton state dock	28	2/5/2004	6:43	2/5/2004	11:45	13	34	7.85
Hampton river marina	29	2/5/2004	6:33	2/5/2004	11:45	13	33	7.84
Rt1A bridge	30	2/5/2004	6:46	2/5/2004	11:45	7.8	33	7.82
Seabrook town dock	31	2/5/2004	6:54	2/5/2004	11:45	33	32	7.80
HH5B	32	2/9/2004	9:51	2/9/2004	13:10	13	33	7.80
HH5C	33	2/9/2004	9:50	2/9/2004	13:10	4.5	34	7.80
HH10	34	2/9/2004	9:49	2/9/2004	13:10	2	33	7.83
HH11	35	2/9/2004	9:41	2/9/2004	13:10	2	34	7.85
HH12	36	2/9/2004	9:43	2/9/2004	13:10	4.5	34	7.81
HH35	37	2/9/2004	9:45	2/9/2004	13:10	2	32	7.79
HH17	38	2/9/2004	9:39	2/9/2004	13:10	4.5	33	7.76
HH19	39	2/9/2004	9:37	2/9/2004	13:10	2	34	7.81
HH2B	40	2/9/2004	9:32	2/9/2004	13:10	11	33	7.74
HH18	41	2/9/2004	9:29	2/9/2004	13:10	2	34	7.80
HH1A	42	2/9/2004	9:10	2/9/2004	13:10	<2	34	7.82
HHMG1	43	2/9/2004		2/9/2004	13:10	<2	33	7.76

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
HH32	44	2/18/2004	9:25	2/18/2004	13:05	4.5	34	7.78
HH31	45	2/18/2004	9:27	2/18/2004	13:05	2	34	7.83
HH30	46	2/18/2004	9:29	2/18/2004	13:05	2	34	7.85
HH33	47	2/18/2004	9:16	2/18/2004	13:05	4.5	33	7.81
HH34	48	2/18/2004	9:18	2/18/2004	13:05	14	34	7.86
HH5B	49	2/18/2004	9:32	2/18/2004	13:05	<2	34	7.82
HH5C	50	2/18/2004	9:34	2/18/2004	13:05	4.5	34	7.80
HH10	51	2/18/2004	9:35	2/18/2004	13:05	2	34	7.84
HH11	52	2/18/2004	9:37	2/18/2004	13:05	<2	34	7.88
HH12	53	2/18/2004	10:00	2/18/2004	13:05	11	34	7.86
HH35	54	2/18/2004	10:03	2/18/2004	13:05	7.8	34	7.85
HH17	55	2/18/2004	9:57	2/18/2004	13:05	22	34	7.85
HH19	56	2/18/2004	9:55	2/18/2004	13:05	4	34	7.85
HH2B	57	2/18/2004	9:42	2/18/2004	13:05	13	34	7.86
HH36	58	2/18/2004	9:46	2/18/2004	13:05	6.8	34	7.82
HH37	59	2/18/2004	9:48	2/18/2004	13:05	1.8	34	7.85
HH18	60	2/18/2004	9:04	2/18/2004	13:05	6.8	34	7.84
HH1A	61	2/18/2004	9:38	2/18/2004	13:05	7.8	34	7.89
T7	62	2/23/2004	7:20	2/23/2004	13:26	LA	12	7.16
T14	63	2/23/2004	7:26	2/23/2004	13:26	LA	26	7.60
LHB9	64	2/23/2004	9:48	2/23/2004	13:26	LA	33	7.91
LHB5	65	2/23/2004	9:52	2/23/2004	13:26	LA	32	7.92
LHB16	66	2/23/2004	9:57	2/23/2004	13:26	LA	34	7.90
LHB8	67	2/23/2004	10:00	2/23/2004	13:26	LA	34	7.89
T13	68	2/23/2004	10:05	2/23/2004	13:26	LA	34	7.91
LHB13	69	2/23/2004	10:06	2/23/2004	13:26	LA	34	7.91
T6	70	2/23/2004	10:09	2/23/2004	13:26	LA	34	7.91
LHB6	71	2/23/2004	10:09	2/23/2004	13:26	LA	34	7.90
LHB2	72	2/23/2004	10:13	2/23/2004	13:26	LA	34	7.89
LHB1	73	2/23/2004	10:15	2/23/2004	13:26	LA	34	7.89
T7	74	3/1/2004	7:23	3/1/2004	13:10	2	25	7.55
T14	75	3/1/2004	7:29	3/1/2004	13:10	13	34	7.86
LHB9	76	3/1/2004	9:11	3/1/2004	13:10	6.8	34	7.96
LHB5	77	3/1/2004	9:13	3/1/2004	13:10	<2	32	7.96
LHB16	78	3/1/2004	9:16	3/1/2004	13:10	2	34	7.93
LHB8	79	3/1/2004	9:19	3/1/2004	13:10	<2	34	7.98
T13	80	3/1/2004	9:22	3/1/2004	13:10	11	34	7.98
LHB13	81	3/1/2004	9:23	3/1/2004	13:10	4.5	34	7.97
T6	82	3/1/2004	9:25	3/1/2004	13:10	2	34	7.97
LHB6	83	3/1/2004	9:26	3/1/2004	13:10	4	34	7.96
LHB2	84	3/1/2004	9:28	3/1/2004	13:10	6.1	34	7.99
LHB1	85	3/1/2004	9:30	3/1/2004	13:10	14	34	7.96

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
HH32	86	3/3/2004	10:10	3/3/2004	14:20	<2	29	7.79
HH31	87	3/3/2004	10:06	3/3/2004	14:20	2	30	7.84
HH30	88	3/3/2004	10:04	3/3/2004	14:20	2	31	7.85
HH33	89	3/3/2004	9:55	3/3/2004	14:20	<2	29	7.83
HH34	90	3/3/2004	10:00	3/3/2004	14:20	<2	29	7.79
HH5B	91	3/3/2004	10:15	3/3/2004	14:20	<2	34	7.98
HH5C	92	3/3/2004	10:17	3/3/2004	14:20	2	34	7.99
HH10	93	3/3/2004	10:18	3/3/2004	14:20	<2	32	8.00
HH11	94	3/3/2004	10:20	3/3/2004	14:20	2	34	8.00
HH12	95	3/3/2004	10:48	3/3/2004	14:20	2	34	8.01
HH35	96	3/3/2004	10:51	3/3/2004	14:20	<2	34	7.98
HH17	97	3/3/2004	10:43	3/3/2004	14:20	4.5	34	7.99
HH19	98	3/3/2004	10:40	3/3/2004	14:20	2	34	8.00
HH2B	99	3/3/2004	10:27	3/3/2004	14:20	2	34	8.02
HH36	100	3/3/2004	10:30	3/3/2004	14:20	2	33	7.92
HH37	101	3/3/2004	10:34	3/3/2004	14:20	<2	32	7.90
HH18	102	3/3/2004	10:25	3/3/2004	14:20	<2	34	8.00
HH1A	103	3/3/2004	10:22	3/3/2004	14:20	<2	34	7.96
LHB9	104	3/9/2004	10:02	3/9/2004	12:40	2	36	7.99
LHB5	105	3/9/2004	10:05	3/9/2004	12:40	7.8	30	7.96
LHB16	106	3/9/2004	10:07	3/9/2004	12:40	<2	32	7.96
LHB8	107	3/9/2004	10:10	3/9/2004	12:40	13	32	7.95
T13	108	3/9/2004	10:13	3/9/2004	12:40	2	33	7.97
LHB13	109	3/9/2004	10:15	3/9/2004	12:40	2	33	7.96
T6	110	3/9/2004	10:17	3/9/2004	12:40	4	33	7.99
LHB6	111	3/9/2004	10:18	3/9/2004	12:40	<2	33	8.00
LHB2	112	3/9/2004	10:22	3/9/2004	12:40	<2	33	8.00
LHB1	113	3/9/2004	10:24	3/9/2004	12:40	1.8	33	8.00
T7	114	3/9/2004	9:05	3/9/2004	12:40	2	2	7.11
T14	115	3/9/2004	9:10	3/9/2004	12:40	23	30	7.87
HHMG1	116	3/23/2004	7:35	3/23/2004	15:00	<2	32	7.66
HHHR1	117	3/23/2004	7:44	3/23/2004	15:00	13	29	7.72
HHHR1	118	3/29/2004	10:20	3/29/2004	14:30	<2	29	7.89
LHNC1	119	3/29/2004	10:55	3/29/2004	14:30	<2	30	7.96

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
GB33	120	3/30/2004	9:15	3/30/2004	13:40	11	24	7.93
GB34	121	3/30/2004	9:17	3/30/2004	13:40	23	23	7.92
GB2	122	3/30/2004	9:19	3/30/2004	13:40	11	24	7.95
GB24	123	3/30/2004	9:29	3/30/2004	13:40	7.8	31	8.01
GB18	124	3/30/2004	9:32	3/30/2004	13:40	7.8	28	8.00
GBA11.5	125	3/30/2004	9:37	3/30/2004	13:40	6.8	21	7.97
GBA10	126	3/30/2004	9:40	3/30/2004	13:40	4.5	12	7.66
GB20	127	3/30/2004	9:44	3/30/2004	13:40	13	11	7.56
GBA7	128	3/30/2004	9:46	3/30/2004	13:40	11	4	7.41
GB21	129	3/30/2004	9:48	3/30/2004	13:40	23	5	7.31
GB22	130	3/30/2004	9:50	3/30/2004	13:40	4.5	2	7.34
GB25	131	3/30/2004	10:00	3/30/2004	13:40	17	26	7.24
GB17	132	3/30/2004	10:02	3/30/2004	13:40	33	27	7.96
GB27	133	3/30/2004	10:01	3/30/2004	13:40	17	26	8.01
GB28	134	3/30/2004	10:05	3/30/2004	13:40	4	26	8.00
GB19	135	3/30/2004	10:07	3/30/2004	13:40	2	22	8.05
GB50	136	3/30/2004	10:08	3/30/2004	13:40	4	20	8.02
GB6	137	3/30/2004	10:10	3/30/2004	13:40	7.8	20	7.97
GB7A	138	3/30/2004	10:16	3/30/2004	13:40	4.5	19	7.96
GB4A	139	3/30/2004	10:20	3/30/2004	13:40	13	8	7.77
GB5	140	3/30/2004	10:25	3/30/2004	13:40	2	14	7.90
GB16	141	3/30/2004	10:26	3/30/2004	13:40	<2	21	7.98
AC1A	142	4/4/2004	15:00	4/5/2004	9:50	<2	33	7.98
AC2	143	4/4/2004	15:01	4/5/2004	9:50	<2	29	8.00
AC3	144	4/4/2004	15:15	4/5/2004	9:50	14	30	7.95
AC3A	145	4/4/2004	15:21	4/5/2004	9:50	11	26	7.97
AC4C	146	4/4/2004	15:35	4/5/2004	9:50	4.5	29	7.95
AC4D	147	4/4/2004	15:32	4/5/2004	9:50	2	29	7.98
AC10	148	4/4/2004	15:43	4/5/2004	9:50	33	28	7.98
AC5A	149	4/4/2004	15:50	4/5/2004	9:50	4	32	7.99
AC6G	150	4/4/2004	16:02	4/5/2004	9:50	4.5	33	8.02
7B	151	4/4/2004	16:09	4/5/2004	9:50	2	34	8.02
AC8	152	4/4/2004	16:20	4/5/2004	9:50	2	28	8.04
LHNC1	153	4/4/2004	16:45	4/5/2004	9:50	49	21	7.92
LBFP1	154	4/4/2004	17:30	4/5/2004	9:50	79	9	7.45
HHR1	155	4/5/2004	16:40	4/6/2004	8:50	2	30	7.83
HHYC1	156	4/5/2004	16:55	4/6/2004	8:50	2	30	7.87
LHNC1	157	4/6/2004	6:55	4/6/2004	13:40	17	13	7.81
LBFP1	158	4/6/2004	9:15	4/6/2004	13:40	22	4	7.38
GBSP1	159	4/6/2004	8:00	4/6/2004	13:40	27	1	7.36
HMG1	160	4/7/2004	7:50	4/7/2004	14:00	7.8	15	7.74
HHR1	161	4/7/2004	7:25	4/7/2004	14:00	6.1	13	7.70

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
LHNC1	162	4/12/2004	11:32	4/12/2004	15:00	<2	27	7.92
GBSP1	163	4/12/2004	12:03	4/12/2004	15:05	<2	6	7.62
LBFP1	164	4/12/2004	12:45	4/12/2004	15:05	<2	17	7.72
GB24	165	4/13/2004	11:45	4/13/2004	15:45	<2	25	7.79
GB18	166	4/13/2004	11:51	4/13/2004	15:45	<2	22	7.80
GBA11.5	167	4/13/2004	11:27	4/13/2004	15:45	4.5	16	7.71
GBA10	168	4/13/2004	11:30	4/13/2004	15:45	33	12	7.61
GB20	169	4/13/2004	11:34	4/13/2004	15:45	49	10	7.46
GBA7	170	4/13/2004	11:37	4/13/2004	15:45	17	6	7.39
GB21	171	4/13/2004	11:40	4/13/2004	15:45	49	4	7.29
GB22	172	4/13/2004	11:42	4/13/2004	15:45	79	4	7.19
GB25	173	4/13/2004	11:25	4/13/2004	15:45	<2	22	7.78
GB27	174	4/13/2004	11:25	4/13/2004	15:45	2	20	7.74
GB17	175	4/13/2004	11:20	4/13/2004	15:45	11	23	7.82
GB2	176	4/13/2004	10:30	4/13/2004	15:45	4.5	18	7.73
GB34	177	4/13/2004	10:36	4/13/2004	15:45	2	16	7.75
GB33	178	4/13/2004	10:38	4/13/2004	15:45	2	14	7.70
GB28	179	4/13/2004	10:44	4/13/2004	15:45	4.5	20	7.77
GB19	180	4/13/2004	10:46	4/13/2004	15:45	2	19	7.77
GB50	181	4/13/2004	10:48	4/13/2004	15:45	2	17	7.73
GB6	182	4/13/2004	11:15	4/13/2004	15:45	2	17	7.68
GB7A	183	4/13/2004	10:53	4/13/2004	15:45	4.5	16	7.70
GB4A	184	4/13/2004	10:58	4/13/2004	15:45	2	16	7.72
GB50	185	4/13/2004	11:02	4/13/2004	15:45	4.5	16	7.68
GB16	186	4/13/2004	11:05	4/13/2004	15:45	<2	15	7.67
HHMG1	187	4/19/2004	7:15	4/19/2004	14:30	13	14	7.59
HHHR1	188	4/19/2004	7:30	4/19/2004	14:30	11	16	7.71
LHNC1	189	4/20/2004	7:15	4/20/2004	10:45	22	26	7.79

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

HH-Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
HH32	190	4/26/2004	8:05	4/26/2004	12:45	1.8	20	7.54
HH31	191	4/26/2004	8:07	4/26/2004	12:45	11	20	7.70
HH30	192	4/26/2004	8:09	4/26/2004	12:45	11	15	7.77
HH33	193	4/26/2004	8:16	4/26/2004	12:45	7.8	20	7.91
HH34	194	4/26/2004	8:19	4/26/2004	12:45	4.5	20	7.81
HH5B	195	4/26/2004	8:24	4/26/2004	12:45	13	17	7.86
HH5C	196	4/26/2004	8:26	4/26/2004	12:45	4	18	7.88
HH10	197	4/26/2004	8:28	4/26/2004	12:45	11	18	7.91
HH11	198	4/26/2004	8:29	4/26/2004	12:45	2	30	7.92
HH12	199	4/26/2004	8:31	4/26/2004	12:45	6.8	30	7.89
HH35	200	4/26/2004	8:33	4/26/2004	12:45	<2	28	7.84
HH17	201	4/26/2004	8:38	4/26/2004	12:45	13	30	7.90
HH19	202	4/26/2004	8:40	4/26/2004	12:45	7.8	29	7.88
HH2B	203	4/26/2004	8:41	4/26/2004	12:45	33	28	7.89
HH36	204	4/26/2004	8:46	4/26/2004	12:45	11	25	7.81
HH37	205	4/26/2004	8:48	4/26/2004	12:45	79	23	7.83
HH18	206	4/26/2004	8:55	4/26/2004	12:45	33	30	7.93
HH1A	207	4/26/2004	8:57	4/26/2004	12:45	4.5	30	7.93
HHHR1	208	4/26/2004	9:02	4/26/2004	12:45	13	30	7.94
HHHR1	209	4/28/2004	10:35	4/28/2004	14:00	<2	29	7.96
HHMG1	210	4/28/2004	10:50	4/28/2004	14:00	2	29	7.97
LHNC1	211	4/28/2004	11:45	4/28/2004	14:00	2	28	7.91
GB24	212	4/29/2004	9:49	4/29/2004	13:00	2	29	8.00
GB18	213	4/29/2004	9:46	4/29/2004	13:00	4	27	7.95
GBA11.5	214	4/29/2004	9:56	4/29/2004	13:00	4.5	15	7.80
GBA10	215	4/29/2004	9:59	4/29/2004	13:00	7.8	16	7.76
GB20	216	4/29/2004	10:02	4/29/2004	13:00	17	8	7.44
GBA7	217	4/29/2004	10:05	4/29/2004	13:00	49	3	7.26
GB21	218	4/29/2004	10:07	4/29/2004	13:00	17	3	7.28
GB22	219	4/29/2004	10:08	4/29/2004	13:00	13	3	7.61
GB25	220	4/29/2004	9:39	4/29/2004	13:00	6.8	21	7.91
GB27	221	4/29/2004	9:37	4/29/2004	13:00	2	20	7.89
GB17	222	4/29/2004	9:35	4/29/2004	13:00	4.5	21	7.98
GB2	223	4/29/2004	9:25	4/29/2004	13:00	2	18	7.91
GB34	224	4/29/2004	9:27	4/29/2004	13:00	4.5	18	7.99
GB33	225	4/29/2004	9:29	4/29/2004	13:00	2	17	7.89
GB28	226	4/29/2004	9:23	4/29/2004	13:00	33	20	7.91
GB19	227	4/29/2004	9:22	4/29/2004	13:00	13	19	7.90
GB50	228	4/29/2004	9:18	4/29/2004	13:00	4.5	17	7.86
GB6	229	4/29/2004	9:16	4/29/2004	13:00	2	17	7.84
GB7A	230	4/29/2004	9:12	4/29/2004	13:00	4.5	17	7.82
GB4A	231	4/29/2004	8:53	4/29/2004	13:00	7.8	15	7.74
GB50	232	4/29/2004	9:05	4/29/2004	13:00	13	12	7.77
GB16	233	4/29/2004	9:08	4/29/2004	13:00	4.5	15	7.76

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
LHB9	234	5/3/2004	9:27	5/3/2004	13:45	4.5	27	7.88
LHB5	235	5/3/2004	9:29	5/3/2004	13:45	4.5	26	7.90
LHB16	236	5/3/2004	9:32	5/3/2004	13:45	4.5	29	7.90
LHB8	237	5/3/2004	9:35	5/3/2004	13:45	4.5	30	7.85
T13	238	5/3/2004	9:40	5/3/2004	13:45	7.8	30	7.93
LHB13	239	5/3/2004	9:41	5/3/2004	13:45	6.8	30	7.93
T6	240	5/3/2004	9:43	5/3/2004	13:45	4	30	7.90
LHB6	241	5/3/2004	9:44	5/3/2004	13:45	4	31	7.93
LHB2	242	5/3/2004	9:46	5/3/2004	13:45	<2	30	7.95
LHB1	243	5/3/2004	9:48	5/3/2004	13:45	4.5	29	7.92
T7	244	5/3/2004	10:23	5/3/2004	13:45	130	19	7.80
T14	245	5/3/2004	10:27	5/3/2004	13:45	4.5	30	7.92
HHMG1	246	5/5/2004	7:05	5/5/2004	11:30	46	24	7.56
HHHR1	247	5/5/2004	7:25	5/5/2004	11:30	17	22	7.67
LHNC1	248	5/5/2004	7:15	5/5/2004	11:30	21	29	7.82
HHMG1	249	5/10/2004	9:50	5/10/2004	12:30	7.8	32	7.73
HHCI1	250	5/10/2004	9:40	5/10/2004	12:30	17	31	7.77
LHB9	251	5/11/2004	9:18	5/11/2004	14:15	<2	30	7.70
LHB5	252	5/11/2004	9:22	5/11/2004	14:15	2	29	7.85
LHB16	253	5/11/2004	9:26	5/11/2004	14:15	2	29	7.84
LHB8	254	5/11/2004	9:30	5/11/2004	14:15	<2	29	7.81
T13	255	5/11/2004	9:35	5/11/2004	14:15	<2	30	7.83
LHB13	256	5/11/2004	9:36	5/11/2004	14:15	2	30	7.87
T6	257	5/11/2004	9:44	5/11/2004	14:15	2	30	7.82
LHB6	258	5/11/2004	9:42	5/11/2004	14:15	7.8	30	7.84
LHB2	259	5/11/2004	9:47	5/11/2004	14:15	4.5	30	7.88
LHB1	260	5/11/2004	9:49	5/11/2004	14:15	<2	31	7.84
T7	261	5/11/2004	10:57	5/11/2004	14:15	49	5	7.44
T14	262	5/11/2004	11:08	5/11/2004	14:15	33	19	7.53
LHNC1	263	5/11/2004	10:35	5/11/2004	14:15	<2	30	7.83
ACB20	264	5/12/2004	8:12	5/12/2004	13:00	<2	32	7.90
HHMG1	265	5/12/2004	10:50	5/12/2004	13:30	2	32	7.86
HHCI1	266	5/12/2004	11:15	5/12/2004	13:30	2	31	7.84
HHMG1	267	5/19/2004	7:40	5/19/2004	11:30	120	32	7.79

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
GB24	268	5/25/2004	9:52	5/25/2004	13:15	130	22	7.59
GB18	269	5/25/2004	9:45	5/25/2004	13:15	49	20	7.64
GBA11.5	270	5/25/2004	10:01	5/25/2004	13:15	350	9	7.42
GBA10	271	5/25/2004	10:04	5/25/2004	13:15	540	6	7.32
GB20	272	5/25/2004	10:08	5/25/2004	13:15	350	4	7.22
GBA7	273	5/25/2004	10:12	5/25/2004	13:15	240	1	7.28
GB21	274	5/25/2004	10:14	5/25/2004	13:15	920	1	7.31
GB25	275	5/25/2004	9:40	5/25/2004	13:15	79	22	7.56
GB27	276	5/25/2004	9:34	5/25/2004	13:15	49	22	7.61
GB17	277	5/25/2004	9:31	5/25/2004	13:15	33	22	7.64
GB2	278	5/25/2004	8:35	5/25/2004	13:15	350	17	7.67
GB34	279	5/25/2004	8:41	5/25/2004	13:15	920	13	7.62
GB33	280	5/25/2004	8:44	5/25/2004	13:15	240	13	7.86
GB28	281	5/25/2004	8:49	5/25/2004	13:15	49	22	7.63
GB19	282	5/25/2004	8:52	5/25/2004	13:15	33	21	7.69
GB50	283	5/25/2004	8:54	5/25/2004	13:15	350	19	7.64
GB6	284	5/25/2004	8:57	5/25/2004	13:15	33	21	7.66
GB7A	285	5/25/2004	9:02	5/25/2004	13:15	79	21	7.64
GB4A	286	5/25/2004	9:07	5/25/2004	13:15	350	7	7.62
GB50	287	5/25/2004	9:11	5/25/2004	13:15	33	20	7.55
GB16	288	5/25/2004	9:13	5/25/2004	13:15	79	17	7.57
AC1A	289	6/1/2004	9:26	6/1/2004	13:00	4.5	30	7.89
AC2	290	6/1/2004	9:34	6/1/2004	13:00	<2	30	7.95
AC3	291	6/1/2004	9:40	6/1/2004	13:00	13	30	7.87
AC3A	292	6/1/2004	9:47	6/1/2004	13:00	2	31	7.94
AC4C	293	6/1/2004	9:56	6/1/2004	13:00	49	29	7.90
AC10	294	6/1/2004	10:06	6/1/2004	13:00	17	30	7.89
AC5A	295	6/1/2004	10:12	6/1/2004	13:00	43	30	7.90
AC6G	296	6/1/2004	10:22	6/1/2004	13:00	4.5	30	7.92
7B	297	6/1/2004	10:30	6/1/2004	13:00	13	30	7.93
AC8	298	6/1/2004	10:42	6/1/2004	13:00	13	26	7.87
GB16	299	6/2/2004	9:37	6/2/2004	12:30	13	14	7.57
GB5	300	6/2/2004	9:35	6/2/2004	12:30	17	15	7.63
GB4A	301	6/2/2004	9:32	6/2/2004	12:30	7.8	15	7.63
GB7A	302	6/2/2004	9:26	6/2/2004	12:30	33	15	7.63
GB6	303	6/2/2004	9:20	6/2/2004	12:30	13	17	7.73
GBN11	304	6/2/2004	9:55	6/2/2004	12:30	11	14	7.68
GBSP1	305	6/2/2004	7:45	6/2/2004	12:30	4.5	13	7.74

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
GB24	306	6/7/2004	9:03	6/7/2004	13:00	4.5	25	7.87
GB18	307	6/7/2004	9:08	6/7/2004	13:00	6.8	24	7.88
GBA11.5	308	6/7/2004	9:16	6/7/2004	13:00	13	15	7.65
GBA10	309	6/7/2004	9:18	6/7/2004	13:00	22	12	7.62
GB20	310	6/7/2004	9:23	6/7/2004	13:00	49	8	7.52
GBA7	311	6/7/2004	9:27	6/7/2004	13:00	49	7	7.38
GB21	312	6/7/2004	9:28	6/7/2004	13:00	49	5	7.32
GB22	313	6/7/2004	9:31	6/7/2004	13:00	110	5	7.33
GB25	314	6/7/2004	8:53	6/7/2004	13:00	2	24	7.82
GB17	315	6/7/2004	8:43	6/7/2004	13:00	6.8	24	7.84
GB27	316	6/7/2004	8:46	6/7/2004	13:00	4.5	23	7.71
GB33	317	6/7/2004	7:52	6/7/2004	13:00	33	19	7.75
GB34	318	6/7/2004	7:55	6/7/2004	13:00	33	20	7.74
GB2	319	6/7/2004	7:56	6/7/2004	13:00	17	22	7.77
GB28	320	6/7/2004	7:59	6/7/2004	13:00	<2	23	7.77
GB19	321	6/7/2004	8:02	6/7/2004	13:00	7.8	22	7.82
GB50	322	6/7/2004	8:04	6/7/2004	13:00	2	22	7.87
GB6	323	6/7/2004	8:07	6/7/2004	13:00	2	21	7.81
GB7A	324	6/7/2004	8:13	6/7/2004	13:00	<2	20	7.79
GB4A	325	6/7/2004	8:17	6/7/2004	13:00	11	15	7.70
GB5	326	6/7/2004	8:25	6/7/2004	13:00	2	18	7.72
GB16	327	6/7/2004	8:28	6/7/2004	13:00	2	19	7.76
HH32	328	6/15/2004	9:16	6/15/2004	12:45	2	30	7.71
HH31	329	6/15/2004	9:14	6/15/2004	12:45	4.5	30	7.84
HH30	330	6/15/2004	9:11	6/15/2004	12:45	4.5	32	7.90
HH33	331	6/15/2004	9:02	6/15/2004	12:45	13	29	7.80
HH34	332	6/15/2004	9:06	6/15/2004	12:45	4.5	32	7.86
HH5B	333	6/15/2004	9:21	6/15/2004	12:45	1.8	33	7.91
HH5C	334	6/15/2004	9:23	6/15/2004	12:45	<2	33	7.91
HH10	335	6/15/2004	9:24	6/15/2004	12:45	<2	33	7.90
HH11	336	6/15/2004	9:26	6/15/2004	12:45	<2	33	7.94
HH12	337	6/15/2004	9:28	6/15/2004	12:45	4.	33	7.91
HH35	338	6/15/2004	9:31	6/15/2004	12:45	13	33	7.94
HH17	339	6/15/2004	9:53	6/15/2004	12:45	4.5	33	7.92
HH19	340	6/15/2004	9:51	6/15/2004	12:45	2	33	7.90
HH2B	341	6/15/2004	9:40	6/15/2004	12:45	2	33	7.91
HH36	342	6/15/2004	9:44	6/15/2004	12:45	4.5	32	7.88
HH37	343	6/15/2004	9:46	6/15/2004	12:45	22	32	7.85
HH18	344	6/15/2004	9:37	6/15/2004	12:45	4.5	33	7.95
HH1A	345	6/15/2004	9:34	6/15/2004	12:45	<2	33	7.91

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2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
LHB9	346	6/22/2004	9:25	6/22/2004	14:30	11	31	7.90
LHB5	347	6/22/2004	9:29	6/22/2004	14:30	1.8	30	7.87
LHB16	348	6/22/2004	9:33	6/22/2004	14:30	7.8	31	7.90
LHB8	349	6/22/2004	9:38	6/22/2004	14:30	79	31	7.84
LHB13	350	6/22/2004	9:45	6/22/2004	14:30	4.5	31	7.90
T13	351	6/22/2004	9:44	6/22/2004	14:30	49	31	7.93
LHB6	352	6/22/2004	9:48	6/22/2004	14:30	11	28	7.65
T6	353	6/22/2004	9:47	6/22/2004	14:30	33	28	7.78
LHB2	354	6/22/2004	9:51	6/22/2004	14:30	13	31	7.86
LHB1	355	6/22/2004	9:53	6/22/2004	14:30	23	31	7.87
T7	356	6/22/2004	11:40	6/22/2004	14:30	79	2	7.37
T14	357	6/22/2004	11:44	6/22/2004	14:30	17	29	7.69
LHNC1	358	6/22/2004	10:07	6/22/2004	14:30	11	31	7.91
LHCP1	359	6/22/2004	10:21	6/22/2004	14:30	7.8	31	7.93
LHB9	360	6/29/2004	13:15	6/29/2004	10:30	6.8	32	7.91
LHB5	361	6/29/2004	13:17	6/29/2004	10:30	<2	31	7.93
LHB16	362	6/29/2004	13:19	6/29/2004	10:30	2	30	7.89
LHB8	363	6/29/2004	13:24	6/29/2004	10:30	17	31	7.85
LHB13	364	6/29/2004	13:29	6/29/2004	10:30	2	32	7.86
T13	365	6/29/2004	13:30	6/29/2004	10:30	7.8	31	7.92
LHB6	366	6/29/2004	13:33	6/29/2004	10:30	7.8	31	7.90
T6	367	6/29/2004	13:34	6/29/2004	10:30	33	30	7.85
LHB2	368	6/29/2004	13:36	6/29/2004	10:30	7.8	32	7.89
LHB1	369	6/29/2004	13:38	6/29/2004	10:30	17	32	7.94
T7	370	6/29/2004	12:10	6/29/2004	10:30	170	20	7.69
T14	371	6/29/2004	12:16	6/29/2004	10:30	240	30	7.85
LHNC1	372	6/29/2004	13:53	6/29/2004	10:30	<2	31	7.96
LHCP1	373	6/29/2004	14:08	6/29/2004	10:30	2	31	7.90
LHB9	374	6/30/2004	12:49	6/30/2004	16:00	11	31	7.96
LHB5	375	6/30/2004	12:52	6/30/2004	16:00	33	31	7.94
LHB16	376	6/30/2004	12:54	6/30/2004	16:00	4.5	31	7.94
LHB8	377	6/30/2004	13:02	6/30/2004	16:00	14	31	7.94
LHB13	378	6/30/2004	13:07	6/30/2004	16:00	17	32	7.96
T13	379	6/30/2004	13:08	6/30/2004	16:00	33	32	7.93
LHB6	380	6/30/2004	13:11	6/30/2004	16:00	4.5	32	7.98
T6	381	6/30/2004	13:12	6/30/2004	16:00	7.8	32	7.93
LHB2	382	6/30/2004	13:17	6/30/2004	16:00	2	32	7.96
LHB1	383	6/30/2004	13:20	6/30/2004	16:00	13	32	7.93
T7	384	6/30/2004	12:23	6/30/2004	16:00	170	15	7.70
T14	385	6/30/2004	12:28	6/30/2004	16:00	79	31	7.93
LHCP1	386	6/30/2004	13:53	6/30/2004	16:00	<2	31	7.97
LHNC1	387	6/30/2004	14:08	6/30/2004	16:00	7.8	31	7.94

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2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
LHB9	388	7/16/2004	6:45	7/16/2004	11:45	LA	31	7.88
LHB5	389	7/16/2004	6:49	7/16/2004	11:45	LA	31	7.85
LHB16	390	7/16/2004	6:51	7/16/2004	11:45	LA	32	7.87
LHB8	391	7/16/2004	6:56	7/16/2004	11:45	LA	31	7.83
LHB13	392	7/16/2004	7:03	7/16/2004	11:45	LA	32	7.85
T13	393	7/16/2004	7:04	7/16/2004	11:45	LA	31	7.91
LHB6	394	7/16/2004	7:08	7/16/2004	11:45	LA	31	7.89
T6	395	7/16/2004	7:08	7/16/2004	11:45	LA	30	7.72
LHB2	396	7/16/2004	7:13	7/16/2004	11:45	LA	32	7.92
LHB1	397	7/16/2004	7:14	7/16/2004	11:45	LA	32	7.91
T7	398	7/16/2004	7:58	7/16/2004	11:45	LA	2	7.59
T14	399	7/16/2004	8:03	7/16/2004	11:45	LA	29	7.62
GBNI1	400	7/27/2004	11:02	7/27/2004	8:30	2	29	7.68
LHB9	401	7/27/2004	12:11	7/28/2004	8:30	13	31	7.92
LHB5	402	7/27/2004	12:14	7/28/2004	8:30	22	32	7.93
LHB16	403	7/27/2004	12:16	7/28/2004	8:30	2	31	7.92
LHB8	404	7/27/2004	12:21	7/28/2004	8:30	33	31	7.92
LHB13	405	7/27/2004	12:26	7/28/2004	8:30	2	32	7.95
T13	406	7/27/2004	12:25	7/28/2004	8:30	46	32	7.95
LHB6	407	7/27/2004	12:31	7/28/2004	8:30	23	30	7.88
T6	408	7/27/2004	12:30	7/28/2004	8:30	14	30	7.85
LHB2	409	7/27/2004	12:35	7/28/2004	8:30	33	32	7.97
LHB1	410	7/27/2004	13:37	7/28/2004	8:30	22	31	7.97
T7	411	7/27/2004	12:35	7/28/2004	8:30	170	13	7.58
T14	412	7/27/2004	13:42	7/28/2004	8:30	130	26	7.72
LHNC1	413	7/27/2004	13:00	7/28/2004	8:30	<2	32	7.94
LHCP1	414	7/27/2004	13:11	7/28/2004	8:30	2	32	7.95
GBSP1	415	8/16/2004	8:05	8/16/2004	14:20	79	25	7.47
GBNI1	416	8/16/2004	11:00	8/16/2004	14:20	6.8	26	7.71
AC1A	417	8/16/2004	10:05	8/16/2004	14:20	2	32	7.87
AC2	418	8/16/2004	10:15	8/16/2004	14:20	23	32	7.92
AC3	419	8/16/2004	10:26	8/16/2004	14:20	2	32	7.82
AC3A	420	8/16/2004	10:34	8/16/2004	14:20	11	32	7.90
AC4C	421	8/16/2004	10:45	8/16/2004	14:20	23	31	7.88
AC4D	422	8/16/2004	10:48	8/16/2004	14:20	49	32	7.89
AC10	423	8/16/2004	10:59	8/16/2004	14:20	2	32	7.77
AC5A	424	8/16/2004	11:09	8/16/2004	14:20	4.5	32	7.88
AC6G	425	8/16/2004	11:21	8/16/2004	14:20	<2	32	7.90
AC7B	426	8/16/2004	11:31	8/16/2004	14:20	<2	32	7.90
AC8	427	8/16/2004	11:41	8/16/2004	14:20	13	31	8.00

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2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
ACB8	428	8/17/2004	10:15	8/17/2004	13:45	6.8	32	7.84
ACB7	429	8/17/2004	10:10	8/17/2004	13:45	<2	32	7.95
ACB6	430	8/17/2004	10:07	8/17/2004	13:45	<2	32	8.00
ACB5	431	8/17/2004	11:15	8/17/2004	13:45	<2	32	7.95
ACB22	432	8/17/2004	11:10	8/17/2004	13:45	<2	32	8.00
ACB4	433	8/17/2004	11:04	8/17/2004	13:45	<2	32	7.96
ACB3	434	8/17/2004	10:58	8/17/2004	13:45	2.0	32	7.96
ACB2	435	8/17/2004	10:54	8/17/2004	13:45	<2	32	7.95
ACB1A	436	8/17/2004	10:52	8/17/2004	13:45	2.0	32	7.99
ACB20	437	8/17/2004	10:33	8/17/2004	13:45	<2	33	8.02
GBSP1	438	8/18/2004	7:50	8/18/2004	14:20	7.8	26	7.67
GBN1	439	8/18/2004	9:29	8/18/2004	14:20	2	27	7.85
GB20	440	8/18/2004	10:38	8/18/2004	14:20	49	15	7.68
GBA10	441	8/18/2004	10:35	8/18/2004	14:20	110	19	7.70
GBA11.5	442	8/18/2004	10:33	8/18/2004	14:20	33	29	7.82
GB25	443	8/18/2004	10:29	8/18/2004	14:20	2	28	7.88
GB27	444	8/18/2004	10:27	8/18/2004	14:20	4.5	28	7.83
GB17	445	8/18/2004	10:24	8/18/2004	14:20	23	29	7.83
GB2	446	8/18/2004	10:20	8/18/2004	14:20	4.5	27	7.79
GB28	447	8/18/2004	10:17	8/18/2004	14:20	17	28	7.83
GB19	448	8/18/2004	10:15	8/18/2004	14:20	7.8	28	7.85
GB50	449	8/18/2004	10:13	8/18/2004	14:20	2	25	7.73
GB6	450	8/18/2004	10:08	8/18/2004	14:20	2	28	7.81
GB7A	451	8/18/2004	10:04	8/18/2004	14:20	4.5	28	7.88
GB4A	452	8/18/2004	9:55	8/18/2004	14:20	130	21	7.67
GB16	453	8/18/2004	9:48	8/18/2004	14:20	13	26	7.63
GB5	454	8/18/2004	9:45	8/18/2004	14:20	<2	27	7.72
LHB9	455	8/23/2004	10:07	8/23/2004	13:45	4.5	31	7.83
LHB5	456	8/23/2004	10:10	8/23/2004	13:45	4.5	30	7.80
LHB16	457	8/23/2004	10:13	8/23/2004	13:45	11	30	7.86
LHB8	458	8/23/2004	10:16	8/23/2004	13:45	33	30	7.79
LHB13	459	8/23/2004	10:20	8/23/2004	13:45	17	30	7.82
T13	460	8/23/2004	10:19	8/23/2004	13:45	26	31	7.84
LHB6	461	8/23/2004	10:25	8/23/2004	13:45	26	27	7.72
T6	462	8/23/2004	10:24	8/23/2004	13:45	33	24	7.67
LHB2	463	8/23/2004	10:28	8/23/2004	13:45	33	31	7.82
LHB1	464	8/23/2004	10:31	8/23/2004	13:45	11	30	7.81
LHNC1	465	8/23/2004	10:45	8/23/2004	13:45	30	30	7.85
LHCP1	466	8/23/2004	10:50	8/23/2004	13:45	31	31	7.90
LHNC1	467	8/24/2004	10:04	8/24/2004	12:45	13	30	7.88
LHCP1	468	8/24/2004	9:47	8/24/2004	12:45	2	29	7.89
LHNC1	469	8/25/2004	11:50	8/25/2004	14:00	7.8	29	7.72
LHCP1	470	8/25/2004	11:20	8/25/2004	14:00	2	29	7.83

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2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
LHB9	471	8/26/2004	11:20	8/26/2004	14:30	23	29.1	7.72
LHB5	472	8/26/2004	11:23	8/26/2004	14:30	6.8	28.2	7.78
LHB16	473	8/26/2004	11:25	8/26/2004	14:30	6.8	28.5	7.81
LHB8	474	8/26/2004	11:27	8/26/2004	14:30	70	29.3	7.84
T13	475	8/26/2004	11:34	8/26/2004	14:30	240	30.2	7.91
LHB13	476	8/26/2004	11:35	8/26/2004	14:30	33	29.6	7.93
T6	477	8/26/2004	11:37	8/26/2004	14:30	11	29.3	7.88
LHB6	478	8/26/2004	11:38	8/26/2004	14:30	4	29	7.82
LHB2	479	8/26/2004	11:41	8/26/2004	14:30	79	30.3	7.92
LHB1	780	8/26/2004	11:43	8/26/2004	14:30	49	30.1	7.91
LHCP1	781	8/26/2004	11:55	8/26/2004	14:30	23	29.2	7.89
HH32	482	9/7/2004	8:18	9/7/2004	11:45	6.8	30	7.76
HH31	483	9/7/2004	8:20	9/7/2004	11:45	7.8	30	7.73
HH30	484	9/7/2004	8:22	9/7/2004	11:45	13	31	7.77
HH33	485	9/7/2004	8:28	9/7/2004	11:45	4.5	30	7.70
HH34	486	9/7/2004	8:34	9/7/2004	11:45	2	30	7.67
HH5B	487	9/7/2004	8:39	9/7/2004	11:45	13	32	7.89
HH5C	488	9/7/2004	8:41	9/7/2004	11:45	17	32	7.91
HH10	489	9/7/2004	8:43	9/7/2004	11:45	23	32	7.90
HH11	490	9/7/2004	8:44	9/7/2004	11:45	350	33	7.95
HH12	491	9/7/2004	8:46	9/7/2004	11:45	120	32	7.95
HH35	492	9/7/2004	8:50	9/7/2004	11:45	33	32	7.91
HH17	493	9/7/2004	8:55	9/7/2004	11:45	240	33	7.95
HH19	494	9/7/2004	8:57	9/7/2004	11:45	79	33	7.92
HH2B	495	9/7/2004	8:59	9/7/2004	11:45	180	32	7.97
HH36	496	9/7/2004	9:02	9/7/2004	11:45	23	32	7.89
HH37	497	9/7/2004	9:04	9/7/2004	11:45	33	32	7.86
HH18	498	9/7/2004	9:11	9/7/2004	11:45	130	32	7.95
HH1A	499	9/7/2004	9:14	9/7/2004	11:45	240	33	7.93

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2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
GB24	500	9/13/2004	7:39	9/14/2004	13:20	13	26	7.62
GB18	501	9/13/2004	7:43	9/14/2004	13:20	46	26	7.77
GBA11.5	502	9/13/2004	7:49	9/14/2004	13:20	350	16	7.59
GBA10	503	9/13/2004	7:51	9/14/2004	13:20	170	14	7.51
GB20	504	9/13/2004	7:55	9/14/2004	13:20	920	10	7.39
GBA7	505	9/13/2004	7:59	9/14/2004	13:20	350	8	7.38
GB21	506	9/13/2004	8:01	9/14/2004	13:20	240	8	7.30
GB22	507	9/13/2004	8:04	9/14/2004	13:20	220	9	7.30
GB25	508	9/13/2004	8:14	9/14/2004	13:20	110	24	7.71
GB27	509	9/13/2004	8:16	9/14/2004	13:20	23	26	7.80
GB17	510	9/13/2004	8:20	9/14/2004	13:20	4.5	26	7.81
GB2	511	9/13/2004	9:07	9/14/2004	13:20	49	25	7.82
GB34	512	9/13/2004	9:10	9/14/2004	13:20	49	23	7.73
GB33	513	9/13/2004	9:15	9/14/2004	13:20	79	21	7.69
GB28	514	9/13/2004	9:05	9/14/2004	13:20	23	26	7.85
GB19	515	9/13/2004	9:04	9/14/2004	13:20	4.5	26	7.86
GB50	516	9/13/2004	9:02	9/14/2004	13:20	33	26	7.80
GB6	517	9/13/2004	8:58	9/14/2004	13:20	7.8	26	7.84
GB7A	518	9/13/2004	8:55	9/14/2004	13:20	17	25	7.88
GB4A	519	9/13/2004	8:39	9/14/2004	13:20	31	22	7.83
GB81	520	9/13/2004	9:31	9/14/2004	13:20	110	16	7.69
GB5	521	9/13/2004	8:45	9/14/2004	13:20	13	24	7.77
GB16	522	9/13/2004	8:48	9/14/2004	13:20	13	24	7.81
GBS3	523	9/15/2004	15:45	9/16/2004	9:00	4.5	24	7.83
GBS4	524	9/15/2004	15:39	9/16/2004	9:00	13	25	7.99
GBS5	525	9/15/2004	15:34	9/16/2004	9:00	6.8	25	7.88
GBS6	526	9/15/2004	15:27	9/16/2004	9:00	7.8	25	7.89
GBS7	527	9/15/2004	15:21	9/16/2004	9:00	6.8	25	7.97
LHB9	528	9/23/2004	10:15	9/23/2004	13:55	13	30	7.73
LHB5	529	9/23/2004	10:17	9/23/2004	13:55	17	28	7.85
LHB16	530	9/23/2004	10:19	9/23/2004	13:55	31	28	7.90
LHB8	531	9/23/2004	10:22	9/23/2004	13:55	11	30	7.89
LHB13	532	9/23/2004	10:25	9/23/2004	13:55	23	30	7.93
T13	533	9/23/2004	10:24	9/23/2004	13:55	17	31	7.90
LHB6	534	9/23/2004	10:30	9/23/2004	13:55	23	29	7.86
T6	535	9/23/2004	10:29	9/23/2004	13:55	17	29	7.85
LHB2	536	9/23/2004	10:32	9/23/2004	13:55	7.8	31	7.91
LHB1	537	9/23/2004	10:34	9/23/2004	13:55	11	31	7.86
T7	538	9/23/2004	9:58	9/23/2004	13:55	31	2	7.51
T14	539	9/23/2004	10:02	9/23/2004	13:55	23	22	7.54
LHNC1	540	9/28/2004	7:40	9/28/2004	14:00	70	31	7.63
GBSP1	541	9/28/2004	8:30	9/28/2004	14:00	33	4	7.53
GBNI1	542	9/28/2004	10:10	9/28/2004	14:00	7.8	23	7.66

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2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
LHB9	543	9/29/2004	9:14	9/29/2004	13:55	110	28	7.71
LHB5	544	9/29/2004	9:17	9/29/2004	13:55	49	29	7.80
LHB16	545	9/29/2004	9:21	9/29/2004	13:55	33	29	7.77
LHB8	546	9/29/2004	9:25	9/29/2004	13:55	46	30	7.77
LHB13	547	9/29/2004	9:32	9/29/2004	13:55	46	30	7.79
T13	548	9/29/2004	9:31	9/29/2004	13:55	33	31	7.79
LHB6	549	9/29/2004	9:35	9/29/2004	13:55	21	31	7.78
T6	550	9/29/2004	9:34	9/29/2004	13:55	49	30	7.74
LHB2	551	9/29/2004	9:37	9/29/2004	13:55	27	31	7.78
LHB1	552	9/29/2004	9:39	9/29/2004	13:55	13	31	7.80
LHNC1	553	9/30/2004	8:30	9/30/2004	16:00	49	30	7.73
GB24	554	10/4/2004	8:46	10/4/2004	12:30	11	29	7.78
GB18	555	10/4/2004	8:42	10/4/2004	12:30	4.5	29	7.81
GBA11.5	556	10/4/2004	8:05	10/4/2004	12:30	2	26	7.80
GBA10	557	10/4/2004	8:08	10/4/2004	12:30	13	24	7.76
GB20	558	10/4/2004	8:13	10/4/2004	12:30	13	20	7.71
GBA7	559	10/4/2004	8:19	10/4/2004	12:30	33	14	7.58
GB21	560	10/4/2004	8:22	10/4/2004	12:30	49	13	7.51
GB22	561	10/4/2004	8:24	10/4/2004	12:30	79	13	7.55
GB25	562	10/4/2004	8:02	10/4/2004	12:30	6.8	29	7.79
GB27	563	10/4/2004	8:00	10/4/2004	12:30	4.5	28	7.83
GB17	564	10/4/2004	7:57	10/4/2004	12:30	6.8	29	7.80
GB2	565	10/4/2004	7:37	10/4/2004	12:30	7.8	27	7.84
GB34	566	10/4/2004	7:35	10/4/2004	12:30	4	27	7.80
GB33	567	10/4/2004	7:33	10/4/2004	12:30	17	26	7.83
GB28	568	10/4/2004	7:40	10/4/2004	12:30	4	28	7.85
GB19	569	10/4/2004	7:43	10/4/2004	12:30	4.5	28	7.86
GB50	570	10/4/2004	7:45	10/4/2004	12:30	7.8	27	7.84
GB6	571	10/4/2004	7:48	10/4/2004	12:30	4.5	27	7.84
GB7A	572	10/4/2004	9:08	10/4/2004	12:30	7.8	26	7.77
GB4A	573	10/4/2004	9:14	10/4/2004	12:30	13	22	7.78
GB81	574	10/4/2004	9:16	10/4/2004	12:30	27	22	7.78
GB5	575	10/4/2004	9:20	10/4/2004	12:30	4.5	25	7.84
GB16	576	10/4/2004	9:24	10/4/2004	12:30	4.5	25	7.81
HH32	577	10/13/2004	9:12	10/13/2004	14:30	23	31	7.64
HH31	578	10/13/2004	9:10	10/13/2004	14:30	79	30	7.76
HH30	579	10/13/2004	9:09	10/13/2004	14:30	49	32	7.87
HH33	580	10/13/2004	9:00	10/13/2004	14:30	17	29	7.69
HH34	581	10/13/2004	9:04	10/13/2004	14:30	23	32	7.82

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2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
LHCP1	582	10/14/2004	7:35	10/14/2004	13:15	33	31	7.67
LHSG1	583	10/14/2004	7:50	10/14/2004	13:15	23	31	7.79
LHB9	584	10/14/2004	8:21	10/14/2004	13:15	23	29	7.82
LHB5	585	10/14/2004	8:17	10/14/2004	13:15	4.5	29	7.80
LHB16	586	10/14/2004	8:15	10/14/2004	13:15	33	30	7.81
LHB13	587	10/14/2004	8:13	10/14/2004	13:15	46	31	7.86
LHB6	588	10/14/2004	8:10	10/14/2004	13:15	11	31	7.75
LHB2	589	10/14/2004	8:07	10/14/2004	13:15	2	31	7.86
LHB1	590	10/14/2004	8:05	10/14/2004	13:15	<2	31	7.87
GBAP1	591	10/14/2004	9:40	10/14/2004	13:15	4.5	27	7.88
GBNI1	592	10/14/2004	9:50	10/14/2004	13:15	4	26	7.66
LHSG1	593	10/18/2004	8:32	10/18/2004	14:45	7.8	30	7.70
LHCP1	594	10/18/2004	8:20	10/18/2004	14:45	33	31	7.77
HHMG1	595	10/18/2004	10:10	10/19/2004	8:30	540	31	7.79
HHHR1	596	10/18/2004	9:40	10/19/2004	8:30	240	28	7.82
GBAP1	597	10/18/2004	12:20	10/19/2004	8:30	79	26	7.87
GBNI1	598	10/18/2004	12:12	10/19/2004	8:30	33	24	7.84
HH32	599	10/19/2004	7:03	10/19/2004	12:00	49	25	7.67
HH31	600	10/19/2004	7:06	10/19/2004	12:00	170	22	7.71
HH30	601	10/19/2004	7:08	10/19/2004	12:00	540	28	7.76
HH33	602	10/19/2004	7:15	10/19/2004	12:00	540	27	7.74
HH34	603	10/19/2004	7:19	10/19/2004	12:00	140	26	7.75
HH5B	604	10/19/2004	7:23	10/19/2004	12:00	33	31	7.87
HH5C	605	10/19/2004	7:25	10/19/2004	12:00	79	31	7.87
HH10	606	10/19/2004	7:28	10/19/2004	12:00	49	31	7.87
HH11	607	10/19/2004	7:30	10/19/2004	12:00	49	31	7.89
HH12	608	10/19/2004	7:32	10/19/2004	12:00	70	32	7.89
HH35	609	10/19/2004	7:35	10/19/2004	12:00	240	31	7.90
HH17	610	10/19/2004	7:40	10/19/2004	12:00	79	32	7.88
HH19	611	10/19/2004	7:43	10/19/2004	12:00	79	31	7.90
HH2B	612	10/19/2004	7:45	10/19/2004	12:00	79	30	7.88
HH36	613	10/19/2004	7:48	10/19/2004	12:00	110	28	7.84
HH37	614	10/19/2004	7:50	10/19/2004	12:00	110	27	7.79
HH18	615	10/19/2004	7:58	10/19/2004	12:00	110	31	7.89
HH1A	616	10/19/2004	8:02	10/19/2004	12:00	79	32	7.96
HHHR1	617	10/19/2004	8:10	10/19/2004	12:00	23	32	7.95
HHMG1	618	10/19/2004	8:35	10/19/2004	12:00	170	30	7.88
LHCP1	619	10/20/2004	9:34	10/20/2004	15:45	4.5	30	7.98
LHSG1	620	10/20/2004	9:48	10/20/2004	15:45	7.8	30	7.94
GBAP1	621	10/20/2004	11:43	10/20/2004	15:45	17	25	7.93
GBNI1	622	10/20/2004	11:34	10/20/2004	15:45	14	25	7.87

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2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
LHCP1	623	10/21/2004	10:40	10/21/2004	14:25	LA	31	7.94
LHSG1	624	10/21/2004	10:50	10/21/2004	14:25	LA	30	7.92
GBNI1	625	10/21/2004	12:37	10/21/2004	14:25	LA	25	7.93
GB4A	626	10/21/2004	12:26	10/21/2004	14:25	LA		
GB5	627	10/21/2004	12:31	10/21/2004	14:25	LA		
GB16	628	10/21/2004	12:40	10/21/2004	14:25	LA		
LHCP1	629	10/25/2004	14:32	10/26/2004	8:15	2	31	7.89
LHSG1	630	10/25/2004	14:43	10/26/2004	8:15	<2	31	7.90
GB24	631	10/26/2004	8:42	10/26/2004	12:45	7.8	30	7.88
GB18	632	10/26/2004	8:47	10/26/2004	12:45	4.5	29	7.85
GBA11.5	633	10/26/2004	8:52	10/26/2004	12:45	13	28	7.83
GBA10	634	10/26/2004	8:55	10/26/2004	12:45	4.5	28	7.85
GB20	635	10/26/2004	8:59	10/26/2004	12:45	<2	21	7.82
GBA7	636	10/26/2004	9:02	10/26/2004	12:45	17	20	7.75
GB21	637	10/26/2004	9:04	10/26/2004	12:45	4.5	17	7.72
GB22	638	10/26/2004	9:07	10/26/2004	12:45	13	18	7.67
GB25	639	10/26/2004	9:17	10/26/2004	12:45	6.8	28	7.84
GB27	640	10/26/2004	9:20	10/26/2004	12:45	<2	28	7.78
GB17	641	10/26/2004	9:23	10/26/2004	12:45	6.8	27	7.86
GB2	642	10/26/2004	9:26	10/26/2004	12:45	4.5	28	7.87
GB34	643	10/26/2004	9:29	10/26/2004	12:45	4.5	27	7.82
GB33	644	10/26/2004	9:32	10/26/2004	12:45	6.8	25	7.80
GB28	645	10/26/2004	9:35	10/26/2004	12:45	21	28	7.79
GB19	646	10/26/2004	9:37	10/26/2004	12:45	7.8	28	7.84
GB50	647	10/26/2004	9:40	10/26/2004	12:45	4.5	27	7.78
GB6	648	10/26/2004	9:42	10/26/2004	12:45	2	28	7.84
GB7A	649	10/26/2004	9:45	10/26/2004	12:45	<2	27	7.74
GB4A	650	10/26/2004	9:51	10/26/2004	12:45	8.3	26	7.78
GB81	651	10/26/2004	9:53	10/26/2004	12:45	7.8	26	7.79
GB5	652	10/26/2004	9:58	10/26/2004	12:45	6.8	26	7.77
GB16	653	10/26/2004	10:02	10/26/2004	12:45	4.5	26	7.78
HHMG1	654	11/2/2004	9:33	11/2/2004	13:15	130	32	7.83
HHR1	655	11/2/2004	9:46	11/2/2004	13:15	23	32	7.78

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
HH5C	656	11/4/2004	10:07	11/4/2004	12:30	2	30	7.51
HH10	657	11/4/2004	10:09	11/4/2004	12:30	27	31	7.70
HH11	658	11/4/2004	10:10	11/4/2004	12:30	6.8	32	7.69
HH12	659	11/4/2004	10:13	11/4/2004	12:30	33	32	7.66
HH17	660	11/4/2004	10:16	11/4/2004	12:30	130	32	7.75
HH19	661	11/4/2004	10:19	11/4/2004	12:30	22	32	7.75
HH2B	662	11/4/2004	10:21	11/4/2004	12:30	22	31	7.71
HH18	663	11/4/2004	10:23	11/4/2004	12:30	46	32	7.75
HH1A	664	11/4/2004	10:26	11/4/2004	12:30	33	32	7.78
LHB9	665	11/8/2004	8:28	11/8/2004	11:30	<2	31	7.71
LHB5	666	11/8/2004	8:31	11/8/2004	11:30	2	30	7.76
LHB16	667	11/8/2004	8:33	11/8/2004	11:30	<2	32	7.78
LHB8	668	11/8/2004	8:37	11/8/2004	11:30	7.8	32	7.79
T13	669	11/8/2004	8:43	11/8/2004	11:30	4	32	7.77
LHB13	670	11/8/2004	8:44	11/8/2004	11:30	<2	32	7.71
T6	671	11/8/2004	8:46	11/8/2004	11:30	<2	32	7.83
LHB6	672	11/8/2004	8:47	11/8/2004	11:30	<2	33	7.83
LHB2	673	11/8/2004	8:50	11/8/2004	11:30	<2	32	7.79
LHB1	674	11/8/2004	8:52	11/8/2004	11:30	<2	33	7.79
T7	675	11/8/2004	9:17	11/8/2004	11:30	22	4	7.41
T14	676	11/8/2004	9:19	11/8/2004	11:30	2	28	7.75
LHCP1	677	11/8/2004	13:00	11/9/2004	8:00	<2	30	7.79
LHSG1	678	11/8/2004	13:10	11/9/2004	8:00	<2	30	7.77
HHMG1	679	11/8/2004	14:10	11/9/2004	8:00	7.8	29	7.79
HHHR1	680	11/8/2004	14:20	11/9/2004	8:00	4.5	29	7.80
HH32	681	11/15/2004	8:47	11/15/2004	12:30	22	26	7.52
HH31	682	11/15/2004	8:46	11/15/2004	12:30	22	29	7.60
HH30	683	11/15/2004	8:44	11/15/2004	12:30	33	30	7.64
HH33	684	11/15/2004	8:37	11/15/2004	12:30	23	26	7.63
HH34	685	11/15/2004	8:39	11/15/2004	12:30	23	30	7.67
HHMG1	686	11/15/2004	8:10	11/15/2004	12:30	14	32	7.73
HHHR1	687	11/15/2004	8:30	11/15/2004	12:30	17	32	7.78

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
HH5B	688	11/16/2004	9:46	11/16/2004	14:10	7.8	31	7.61
HH5C	689	11/16/2004	9:48	11/16/2004	14:10	17	32	7.77
HH10	690	11/16/2004	9:51	11/16/2004	14:10	6.1	32	7.85
HH11	691	11/16/2004	9:53	11/16/2004	14:10	13	32	7.82
HH12	692	11/16/2004	9:54	11/16/2004	14:10	13	33	7.84
HH35	693	11/16/2004	9:56	11/16/2004	14:10	33	32	7.84
HH17	694	11/16/2004	10:01	11/16/2004	14:10	31	32	7.87
HH19	695	11/16/2004	10:03	11/16/2004	14:10	33	33	7.84
HH2B	696	11/16/2004	10:04	11/16/2004	14:10	46	32	7.82
HH36	697	11/16/2004	10:07	11/16/2004	14:10	7.8	31	7.77
HH37	698	11/16/2004	10:08	11/16/2004	14:10	33	29	7.73
HH18	699	11/16/2004	10:15	11/16/2004	14:10	7.8	33	7.87
HH1A	700	11/16/2004	10:19	11/16/2004	14:10	2	33	7.94
GBNI1	701	11/17/2004	9:06	11/17/2004	12:45	4.5	25	7.77
GBAP1	702	11/17/2004	9:35	11/17/2004	12:45	11	26	7.77
HHMG1	703	11/30/2004	8:58	11/30/2004	13:20	130	28.8	7.77
HHHR1	704	11/30/2004	9:08	11/30/2004	13:20	49	28.9	7.77
LHSG1	705	12/2/2004	8:00	12/2/2004	11:20	220	28	7.68
HHMG1	706	12/2/2004	8:10	12/2/2004	11:20	130	24	7.60
HHHR1	707	12/2/2004	8:35	12/2/2004	11:20	110	20	7.65
HH18	708	12/2/2004	8:15	12/2/2004	11:20	70	24	7.56
HH2B	709	12/2/2004	8:18	12/2/2004	11:20	49	20	7.57
HH19	710	12/2/2004	8:20	12/2/2004	11:20	33	23	7.53
HH12	711	12/2/2004	8:25	12/2/2004	11:20	79	26	7.65
HH10	712	12/2/2004	8:30	12/2/2004	11:20	540	20	7.57
HHMG1	713	12/6/2004	11:09	12/6/2004	14:00	11	29	7.71
HHHR1	714	12/6/2004	11:15	12/6/2004	14:00	4	28	7.76

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
GB24	715	12/6/2004	8:40	12/6/2004	14:00	2	30	7.76
GB18	716	12/6/2004	8:48	12/6/2004	14:00	7.8	27	7.80
GBA11.5	717	12/6/2004	8:33	12/6/2004	14:00	22	18	7.67
GB10	718	12/6/2004	8:29	12/6/2004	14:00	33	18	7.60
GB25	719	12/6/2004	7:19	12/6/2004	14:00	22	22	7.71
GB27	720	12/6/2004	8:18	12/6/2004	14:00	17	22	7.70
GB17	721	12/6/2004	8:52	12/6/2004	14:00	11	21	7.72
GB2	722	12/6/2004	8:07	12/6/2004	14:00	49	18	7.64
GB34	723	12/6/2004	8:10	12/6/2004	14:00	23	18	7.64
GB33	724	12/6/2004	8:13	12/6/2004	14:00	33	17	7.65
GB28	725	12/6/2004	8:54	12/6/2004	14:00	17	20	7.68
GB19	726	12/6/2004	8:56	12/6/2004	14:00	49	19	7.71
GB50	727	12/6/2004	8:58	12/6/2004	14:00	110	18	7.63
GB6	728	12/6/2004	9:01	12/6/2004	14:00	49	18	7.62
GB7A	729	12/6/2004	9:05	12/6/2004	14:00	33	18	7.67
GB81	730	12/6/2004	9:14	12/6/2004	14:00	110	13	7.57
GB4A	731	12/6/2004	9:10	12/6/2004	14:00	130	14	7.64
GB50	732	12/6/2004	9:20	12/6/2004	14:00	49	17	7.63
GB16	733	12/6/2004	9:23	12/6/2004	14:00	33	16	7.67
LHB9	734	12/8/2004	10:45	12/8/2004	14:30	130	29	7.83
LHB5	735	12/8/2004	10:47	12/8/2004	14:30	350	28	7.77
LHB16	736	12/8/2004	10:50	12/8/2004	14:30	240	28	7.72
LHB8	737	12/8/2004	10:54	12/8/2004	14:30	350	25	7.73
T13	738	12/8/2004	10:56	12/8/2004	14:30	22	28	7.80
LHB13	739	12/8/2004	10:57	12/8/2004	14:30	130	28	7.77
T6	740	12/8/2004	10:58	12/8/2004	14:30	7.8	26	7.79
LHB6	741	12/8/2004	10:59	12/8/2004	14:30	17	25	7.73
LHB2	742	12/8/2004	11:02	12/8/2004	14:30	110	29	7.79
LHB1	743	12/8/2004	11:04	12/8/2004	14:30	13	28	7.76
T7	744	12/8/2004	9:19	12/8/2004	14:30	70	0	7.45
T14	745	12/8/2004	9:23	12/8/2004	14:30	22	26	7.69
LHSG1	746	12/8/2004	11:10	12/8/2004	14:30	130	27	7.75
HHMG1	747	12/8/2004	12:25	12/8/2004	14:30	22	28	7.73
HHHR1	748	12/8/2004	12:30	12/8/2004	14:30	<2	26	7.75
HH10	749	12/9/2004	11:08	12/9/2004	13:20	1	32	7.81
HH12	750	12/9/2004	11:05	12/9/2004	13:20	13	32	7.77
HH19	751	12/9/2004	11:02	12/9/2004	13:20	2	32	7.79
HH2B	752	12/9/2004	11:00	12/9/2004	13:20	7.8	32	7.75
HH18	753	12/9/2004	10:57	12/9/2004	13:20	<2	32	7.60
HH17	754	12/14/2004	8:17	12/14/2004	11:00	23	29	7.51
HH19	755	12/14/2004	8:15	12/14/2004	11:00	7.8	27	7.62
HH2B	756	12/14/2004	8:01	12/14/2004	11:00	7.8	26	7.62
HH18	757	12/14/2004	8:00	12/14/2004	11:00	6.8	28	7.70
HH1A	758	12/14/2004	7:30	12/14/2004	11:00	21	29	7.74
HHMG1	759	12/14/2004	7:32	12/14/2004	11:00	13	28	7.72

NH PUBLIC HEALTH LABORATORIES

2004 SEAWATER SAMPLES

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
LHSG1	760	12/15/2004	9:00	12/15/2004	11:30	13	25	7.64
HH32	761	12/16/2004	11:06	12/16/2004	13:50	11	25	7.45
HH31	762	12/16/2004	11:07	12/16/2004	13:50	2	26	7.61
HH30	763	12/16/2004	11:10	12/16/2004	13:50	7.8	28	7.65
HH33	764	12/16/2004	10:57	12/16/2004	13:50	7.8	22	7.53
HH34	765	12/16/2004	10:55	12/16/2004	13:50	2	27	7.64
HH5B	766	12/16/2004	10:51	12/16/2004	13:50	13	30	7.70
HH5C	767	12/16/2004	10:50	12/16/2004	13:50	4.5	31	7.77
HH10	768	12/16/2004	10:47	12/16/2004	13:50	2	32	7.80
HH11	769	12/16/2004	10:21	12/16/2004	13:50	4.5	31	7.80
HH12	770	12/16/2004	10:23	12/16/2004	13:50	4	30	7.73
HH35	771	12/16/2004	10:25	12/16/2004	13:50	2	30	7.77
HH17	772	12/16/2004	10:29	12/16/2004	13:50	7.8	31	7.79
HH19	773	12/16/2004	10:31	12/16/2004	13:50	4.5	32	7.79
HH2B	774	12/16/2004	10:33	12/16/2004	13:50	4.5	30	7.73
HH36	775	12/16/2004	10:37	12/16/2004	13:50	4.5	25	7.64
HH37	776	12/16/2004	10:40	12/16/2004	13:50	2	24	7.49
HH18	777	12/16/2004	10:17	12/16/2004	13:50	2	30	7.73
HH1A	778	12/16/2004	10:14	12/16/2004	13:50	13	31	7.80
LHSG1	779	12/28/2004	8:01	12/28/2004	11:00	17	25	7.69
HHHR1	780	12/28/2004	8:42	12/28/2004	11:00	33	28	7.63

**LABORATORY ANALYSES OF WATER AND SHELLFISH FROM
COASTAL WATERS AND WATERSHED OF NEW HAMPSHIRE**

New Hampshire Public Health Laboratories

Appendix B

NH PUBLIC HEALTH LABORATORIES

2004 SHELLFISH SAMPLES

Collection Point	Shellstock Type	Collection		Test		MPN	Water MPN
		Date	Time	Date	Time		
HHMG1	Clam	2/9/2004		2/9/2004	13:10	230	<2
HHMG1	Clam	3/23/2004	7:35	3/23/2004	15:00	45	<2
HHR1	Mussel	3/23/2004	7:44	3/23/2004	15:00	45	13
HHR1	Mussel	3/29/2004	10:20	3/29/2004	14:30	140	<2
LHNC1	Clam	3/29/2004	10:55	3/29/2004	14:30	170	<2
LHNC1		4/4/2004	16:45	4/5/2004	9:50	3500	49
LBFP1		4/4/2004	17:30	4/5/2004	9:50	2400	79
HHR1		4/5/2004	16:40	4/6/2004	8:50	45	2
HHYC1		4/5/2004	16:55	4/6/2004	8:50	130	2
LHNC1	Clam	4/6/2004	6:55	4/6/2004	13:40	78	17
LBFP1	Clam	4/6/2004	9:15	4/6/2004	13:40	790	22
GBSP1	Clam	4/6/2004	8:00	4/6/2004	13:40	490	27
HHMG1		4/7/2004	7:50	4/7/2004	14:00	230	7.8
HHR1		4/7/2004	7:25	4/7/2004	14:00	170	6.1
LHNC1	Clam	4/12/2004	11:32	4/12/2004	15:00	78	<2
GBSP1	Clam	4/12/2004	12:03	4/12/2004	15:05	130	<2
LBFP1	Clam	4/12/2004	12:45	4/12/2004	15:05	78	<2
HHMG1	Clam	4/19/2004	7:15	4/19/2004	14:30	130	13
HHR1	Mussel	4/19/2004	7:30	4/19/2004	14:30	130	11
LHNC1	Clam	4/20/2004	7:15	4/20/2004	10:45	270	22
HHR1	Mussel	4/28/2004	10:35	4/28/2004	14:00	20	<2
HHMG1	Clam	4/28/2004	10:50	4/28/2004	14:00	1700	2
LHNC1	Clam	4/28/2004	11:45	4/28/2004	14:00	78	2
HHMG1	Clam	5/5/2004	7:05	5/5/2004	11:30	490	46
HHR1	Mussel	5/5/2004	7:25	5/5/2004	11:30	330	17
LHNC1	Clam	5/5/2004	7:15	5/5/2004	11:30	790	21
HHMG1	Clam	5/10/2004	9:50	5/10/2004	12:30	460	7.8
HHCI1	Clam	5/10/2004	9:40	5/10/2004	12:30	16000	17
LHNC1	Clam	5/11/2004	10:35	5/11/2004	14:15	230	<2

NH PUBLIC HEALTH LABORATORIES

2004 SHELLFISH SAMPLES

Collection Point	Shellstock Type	Collection		Test		MPN	Water MPN
		Date	Time	Date	Time		
HHMG1	Clam	5/12/2004	10:50	5/12/2004	13:30	78	2
HHCI1	Clam	5/12/2004	11:15	5/12/2004	13:30	700	2
HHMG1	Clam	5/19/2004	7:40	5/19/2004	11:30	330	120
GBNI1	Oyster	6/2/2004	9:55	6/2/2004	12:30	170	11
GBSP1	Clam	6/2/2004	7:45	6/2/2004	12:30	230	4.5
LHNC1	Clam	6/22/2004	10:07	6/22/2004	14:30	490	11
LHCP1	Clam	6/22/2004	10:21	6/22/2004	14:30	170	7.8
LHNC1	Clam	6/29/2004	13:53	6/29/2004	10:30	78	<2
LHCP1	Clam	6/29/2004	14:08	6/29/2004	10:30	20	2
LHCP1	Clam	6/30/2004	13:53	6/30/2004	16:00	130	<2
LHNC1	Clam	6/30/2004	14:08	6/30/2004	16:00	230	7.8
GBNI1	Oyster	7/27/2004	11:02	7/27/2004	8:30	78	2
LHNC1	Clam	7/27/2004	13:00	7/28/2004	8:30	310	<2
LHCP1	Clam	7/27/2004	13:11	7/28/2004	8:30	330	2
GBSP1	Clam	8/16/2004	8:05	8/16/2004	14:20	1400	79
GBNI1	Oyster	8/16/2004	11:00	8/16/2004	14:20	330	6.8
GBSP1	Clam	8/18/2004	7:50	8/18/2004	14:20	330	7.8
GBNI1	Oyster	8/18/2004	9:29	8/18/2004	14:20	61	2
LHNC1	Clam	8/23/2004	10:45	8/23/2004	13:45	490	30
LHCP1	Clam	8/23/2004	10:50	8/23/2004	13:45	330	31
LHNC1	Clam	8/24/2004	10:04	8/24/2004	12:45	330	13
LHCP1	Clam	8/24/2004	9:47	8/24/2004	12:45	330	2
LHNC1	Clam	8/25/2004	11:50	8/25/2004	14:00	230	7.8
LHCP1	Clam	8/25/2004	11:20	8/25/2004	14:00	78	2
LHCP1	Clam	8/26/2004	11:55	8/26/2004	14:30	330	23
LHNC1	Clam	9/28/2004	7:40	9/28/2004	14:00	130	70
GBSP1	Clam	9/28/2004	8:30	9/28/2004	14:00	330	33
GBNI1	Oyster	9/28/2004	10:10	9/28/2004	14:00	130	7.8
LHNC1	Clam	9/30/2004	8:30	9/30/2004	16:00	490	49
LHCP1	Clam	10/14/2004	7:35	10/14/2004	13:15	140	33
LHSG1	Clam	10/14/2004	7:50	10/14/2004	13:15	270	23

NH PUBLIC HEALTH LABORATORIES

2004 SHELLFISH SAMPLES

Collection Point	Shellstock Type	Collection		Test		MPN	Water MPN
		Date	Time	Date	Time		
GBAP1	Oyster	10/14/2004	9:40	10/14/2004	13:15	<20	4.5
GBNI1	Oyster	10/14/2004	9:50	10/14/2004	13:15	20	4
LHSG1	Clam	10/18/2004	8:32	10/18/2004	14:45	230	7.8
LHCP1	Clam	10/18/2004	8:20	10/18/2004	14:45	130	33
HHMG1	Clam	10/18/2004	10:10	10/19/2004	8:30	490	540
HHHR1	Mussel	10/18/2004	9:40	10/19/2004	8:30	230	240
GBAP1	Oyster	10/18/2004	12:20	10/19/2004	8:30	490	79
GBNI1	Oyster	10/18/2004	12:12	10/19/2004	8:30	1300	33
HHHR1	Mussel	10/19/2004	8:10	10/19/2004	12:00	220	23
HHMG1	Clam	10/19/2004	8:35	10/19/2004	12:00	3500	170
LHCP1	Clam	10/20/2004	9:34	10/20/2004	15:45	310	4.5
LHSG1	Clam	10/20/2004	9:48	10/20/2004	15:45	110	7.8
GBAP1	Oyster	10/20/2004	11:43	10/20/2004	15:45	220	17
GBNI1	Oyster	10/20/2004	11:34	10/20/2004	15:45	130	14
LHCP1	Clam	10/21/2004	10:40	10/21/2004	14:25	330	LA
LHSG1	Clam	10/21/2004	10:50	10/21/2004	14:25	680	LA
GBNI1	Oyster	10/21/2004	12:37	10/21/2004	14:25	400	LA
LHCP1	Clam	10/25/2004	14:32	10/26/2004	8:15	45	2
LHSG1	Clam	10/25/2004	14:43	10/26/2004	8:15	45	<2
HHMG1	Clam	11/2/2004	9:33	11/2/2004	13:15	2400	130
HHHR1	Mussel	11/2/2004	9:46	11/2/2004	13:15	45	23
LHCP1	Clam	11/8/2004	13:00	11/9/2004	8:00	<20	<2
LHSG1	Clam	11/8/2004	13:10	11/9/2004	8:00	45	<2
HHMG1	Clam	11/8/2004	14:10	11/9/2004	8:00	170	7.8
HHHR1	Mussel	11/8/2004	14:20	11/9/2004	8:00	45	4.5
HHMG1	Clam	11/15/2004	8:10	11/15/2004	12:30	68	14
HHHR1	Mussel	11/15/2004	8:30	11/15/2004	12:30	130	17
GBNI1	Oyster	11/17/2004	9:06	11/17/2004	12:45	<20	4.5
GBAP1	Oyster	11/17/2004	9:35	11/17/2004	12:45	<20	11
HHMG1	Clam	11/30/2004	8:58	11/30/2004	13:20	170	130
HHHR1	Mussel	11/30/2004	9:08	11/30/2004	13:20	230	49
LHSG1	Clam	12/2/2004	8:00	12/2/2004	11:20	330	220

**LABORATORY ANALYSES OF WATER AND SHELLFISH FROM
COASTAL WATERS AND WATERSHED OF NEW HAMPSHIRE**

New Hampshire Public Health Laboratories

Appendix C

NH PUBLIC HEALTH LABORATORIES

2004 PSP SAMPLES

COLLECTION DATE	COLLECTION SITE	RESULT (ug poison/100g meat)
4/1/2004	HAMPTON	<44
4/7/2004	HAMPTON	<44
4/14/2004	HAMPTON	<44
4/20/2004	HAMPTON	<44
4/28/2004	HAMPTON	<44
5/5/2004	HAMPTON	<44
5/6/2004	ISLES OF SHOALS	<44
5/11/2004	HAMPTON	<44
5/12/2004	ISLES OF SHOALS	<44
5/17/2004	ISLES OF SHOALS	<44
5/19/2004	HAMPTON	<44
5/24/2004	ISLES OF SHOALS	<44
5/26/2004	HAMPTON	<44
5/31/2004	HAMPTON	<44
6/1/2004	ISLES OF SHOALS	44.6
6/7/2004	HAMPTON	<44
6/9/2004	ISLES OF SHOALS	44.7
6/13/2004	HAMPTON	<44
6/16/2004	ISLES OF SHOALS	<44 (2 mice died after 1 hr)
6/20/2004	HAMPTON	QNS
6/21/2004	HAMPTON	<44 (1 mouse died after 1 hr)
6/22/2004	ISLES OF SHOALS	<44 (2 mice died after 1 hr)
6/28/2004	ISLES OF SHOALS	<44
6/28/2004	HAMPTON	<44
7/5/2004	HAMPTON	<44 (1 mouse died after 1 hr)
7/6/2004	ISLES OF SHOALS	<44 (3 mice died after 1 hr)
7/27/2004	HAMPTON	<44
7/12/2004	ISLES OF SHOALS	<44 (3 mice died after 1 hr)
7/20/2004	ISLES OF SHOALS	<44
7/18/2004	HAMPTON	<44 (1 mouse died after 1 hr)
7/26/2004	HAMPTON	<44
7/27/2004	ISLES OF SHOALS	<44
8/1/2004	HAMPTON	<44
8/2/2004	ISLES OF SHOALS	<44 (1 mouse died after 1 hr)
8/9/2004	HHR1	<44
8/10/2004	ISLES OF SHOALS	47.2
8/15/2004	HAMPTON	<44
8/16/2004	ACRH2	<44
8/17/2004	ISLES OF SHOALS	<44 (1 mouse died after 1 hr)
8/23/2004	HAMPTON	<44

NH PUBLIC HEALTH LABORATORIES

2004 PSP SAMPLES

COLLECTION DATE	COLLECTION SITE	RESULT (ug poison/100g meat)
8/24/2004	ISLES OF SHOALS	67.7
8/29/2004	HAMPTON	<44
8/31/2004	HAMPTON	<44
8/31/2004	ACRH2	<44
8/31/2004	ISLES OF SHOALS	206
9/8/2004	HAMPTON	<44
9/8/2004	ACRH2	<44
9/8/2004	ISLES OF SHOALS	143
9/12/2004	HAMPTON	<44
9/15/2004	ISLES OF SHOALS	59.3
9/22/2004	ISLES OF SHOALS	<44 (2 mice died within 1 hr)
9/22/2004	HAMPTON	<44 (1 mouse died after 1 hr)
9/26/2004	HAMPTON	<44
9/27/2004	ISLES OF SHOALS	<44
10/4/2004	HAMPTON	<44
10/11/2004	HAMPTON	<44
10/18/2004	HAMPTON	<44

All samples mussels unless otherwise noted.

L.A.: Laboratory accident

QNS: Quantity not sufficient

*Unofficial result: Mussels transplanted less than 7 days from analysis.

**Unofficial result: Less than 12 animals tested