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## NH Department of Health and Human Services Public Health Laboratories Shellfish Program Activities January 2005 - December 2005

Jayne S. Finnigan  
*New Hampshire Public Health Laboratories*

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**NH DEPARTMENT OF HEALTH  
AND HUMAN SERVICES  
PUBLIC HEALTH LABORATORIES  
SHELLFISH PROGRAM ACTIVITIES  
JANUARY 2005 – DECEMBER 2005**

A Final Report to

The New Hampshire Estuaries Project

Submitted by

Jayne S. Finnigan  
Food Safety Microbiology Unit  
New Hampshire Public Health Laboratories  
29 Hazen Drive  
Concord, NH 03301

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## **Executive Summary**

The Department of Health and Human Services-New Hampshire Public Health Laboratories (DHHS-NPHL) has continued to carry out various actions providing laboratory analyses for the routine water quality monitoring, "Red Tide" monitoring, and additional testing after rainfall, excess sewage treatment plant, and emergency events. Also, a validation study was performed using non-EPA funds to compare results between the traditional Paralytic Shellfish Poison bioassay and a newer developed test allowed for screening use.

## **Introduction**

The NPHL implemented selected actions to support the NH Estuaries Project Management Plan Implementation for 2005.

## **Project Goals and Objectives**

The NH Estuaries Project Management Action Plan: SHL05. The NPHL 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 NH Estuaries Project Management Action Plan: SHL06. The NPHL supplemented efforts to monitor for the presence of Paralytic Shellfish Poisoning in the state's shellfish resources by providing laboratory analyses of several species of shellfish samples from several 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 (NSSP). The NPHL implemented a split sample proficiency program that is 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 NPHL 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**

An extraordinary and extended Paralytic Shellfish Poisoning (PSP) bloom affecting New Hampshire from the beginning to the ending date of monitoring caused an unprecedented amount of additional samples to be collected and tested: an additional 20 samples or 33% increase from a 'normal' year.

Also, this year's wet weather caused an extraordinary amount of samples to be received and processed: 149 samples over what was originally mutually approved.

Shellfish Water Monitoring: Bacterial Analyses. The NHPHL received and tested 836 shellfish growing water samples in 2005.

Shellfish Meat Testing: Bacterial Analyses. The NHPHL received and tested 101 shellfish meats.

Shellfish Water Monitoring: PSP Analyses. The NHPHL received and tested 87 shellfish tissue samples for PSP toxin in 2005.

2005 was a good year to attempt to validate the PSP Jellett Test Strips, as there were numerous times when levels close to or greater than 40 ug/100 g meat were present in the samples. Only one test out of 40 samples did not perform well, where a repeat test was needed. The test is somewhat comparable in cost to the bioassay, but with less overhead-type costs. However, the standard bioassay will still have to be utilized to confirm a positive result from the newer test; so the savings are not applicable when both tests must be readily available during bloom events.

## **Conclusions**

All aspects of the DHHS-NHPHL portion of the Management Plan were carried out. All samples received were tested.

## **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

## Water Samples

Collection Point	Lab #	Collection		Test		MPN	Salinity	pH
		Date	Time	Date	Time			
GB33	1	1/3/2005	9:33	1/3/2005	11:45	33	17	7.28
GB34	2	1/3/2005	9:37	1/3/2005	11:45	23	20	7.50
GB2	3	1/3/2005	9:39	1/3/2005	11:45	6.8	20	7.57
GB28	4	1/3/2005	9:41	1/3/2005	11:45	13	21	7.61
GB27	5	1/3/2005	9:50	1/3/2005	11:45	33	21	7.64
GB17	6	1/3/2005	9:48	1/3/2005	11:45	17	22	7.67
GB19	7	1/3/2005	9:43	1/3/2005	11:45	11	21	7.60
HH10	8	1/5/2005	9:36	1/5/2005	12:40	7.5	30	7.75
HH12	9	1/5/2005	9:41	1/5/2005	12:40	4.5	30	7.76
HH35	10	1/5/2005	9:43	1/5/2005	12:40	7.8	29	7.75
HH19	11	1/5/2005	9:48	1/5/2005	12:40	13	30	7.79
HH2B	12	1/5/2005	9:51	1/5/2005	12:40	11	30	7.76
HH18	13	1/5/2005	9:57	1/5/2005	12:40	4.5	32	7.79
HH1A	14	1/5/2005	9:54	1/5/2005	12:40	6.8	32	7.79
LHSG1	15	1/18/2005	11:15	1/18/2005	14:00	7.8	29	7.78
HHHR1	16	1/18/2005	11:50	1/18/2005	14:00	17	26	7.79
AC1A	17	2/1/2005	10:08	2/1/2005	13:00	240	31	7.56
AC3	18	2/1/2005	9:55	2/1/2005	13:00	4.5	32	7.76
AC3A	19	2/1/2005	9:50	2/1/2005	13:00	33	32	7.78
AC4D	20	2/1/2005	9:41	2/1/2005	13:00	<2	32	7.77
AC10	21	2/1/2005	9:30	2/1/2005	13:00	<2	32	7.81
AC5A	22	2/1/2005	9:24	2/1/2005	13:00	1.8	32	7.84
AC6G	23	2/1/2005	8:45	2/1/2005	13:00	13	32	7.82
AC7B	24	2/1/2005	8:53	2/1/2005	13:00	17	32	7.85
AC8	25	2/1/2005	8:43	2/1/2005	13:00	170	31	7.84
RH1	26	2/1/2005	9:15	2/1/2005	13:00	2	14	7.55
RH2	27	2/1/2005	9:12	2/1/2005	13:00	<2	32	7.58
RH3	28	2/1/2005	9:07	2/1/2005	13:00	<2	32	7.78
LHB5	29	2/2/2005	10:46	2/2/2005	13:30	13	28	7.70
LHB16	30	2/2/2005	10:47	2/2/2005	13:30	4.5	30	7.80
LHB8	31	2/2/2005	10:53	2/2/2005	13:30	4	29	7.75
LHB13	32	2/2/2005	10:56	2/2/2005	13:30	17	30	7.80
LHB6	33	2/2/2005	10:58	2/2/2005	13:30	79	29	7.71
LHB2	34	2/2/2005	11:01	2/2/2005	13:30	13	30	7.84
LHB1	35	2/2/2005	11:04	2/2/2005	13:30	22	30	7.84
T7	36	2/2/2005	9:49	2/2/2005	13:30	7.8	1	7.32
T14	37	2/2/2005	9:55	2/2/2005	13:30	17	17	7.40
AC1A	38	2/7/2005	9:31	2/7/2005	12:30	33	32	7.75
AC2	39	2/7/2005	9:22	2/7/2005	12:30	11	32	7.79
SEAB	40	2/7/2005	9:35	2/7/2005	12:30	33	30	7.78

RIVST	41	2/7/2005	9:44	2/7/2005	12:30	7.8	32	7.85
HH31	42	2/9/2005	9:44	2/9/2005	12:50	2.0	32	7.68
HH30	43	2/9/2005	9:45	2/9/2005	12:50	7.8	32	7.76
HH33	44	2/9/2005	9:34	2/9/2005	12:50	<3.0	30	7.68
HH34	45	2/9/2005	9:38	2/9/2005	12:50	7.8	32	7.77
HH5B	46	2/9/2005	9:50	2/9/2005	12:50	6.8	32	7.77
HH5C	47	2/9/2005	9:51	2/9/2005	12:50	11	32	7.83
HH10	48	2/9/2005	9:53	2/9/2005	12:50	11	32	7.76
HH11	49	2/9/2005	9:54	2/9/2005	12:50	13	32	7.81
HH12	50	2/9/2005	9:57	2/9/2005	12:50	<2	32	7.78
HH35	51	2/9/2005	9:59	2/9/2005	12:50	2.0	32	7.80
HH19	52	2/9/2005	10:04	2/9/2005	12:50	2.0	32	7.81
HH2B	53	2/9/2005	10:06	2/9/2005	12:50	1.8	32	7.85
HH36	54	2/9/2005	10:09	2/9/2005	12:50	7.8	32	7.84
HH37	55	2/9/2005	10:11	2/9/2005	12:50	2.0	32	7.85
HH18	56	2/9/2005	10:19	2/9/2005	12:50	17	32	7.80
HH1A	57	2/9/2005	10:21	2/9/2005	12:50	6.8	32	7.86
AC1A	58	2/9/2005	10:35	2/9/2005	12:25	23	32	7.83
AC2	59	2/9/2005	10:40	2/9/2005	12:50	23	32	7.82
AC2	60	2/14/2005	9:20	2/14/2005	14:15	22	32	7.77
AC1A	61	2/14/2005	9:33	2/14/2005	14:15	17	32	7.19
HHHR1	62	2/14/2005	9:44	2/14/2005	14:15	<2.0	32	7.79
LHSG1	63	2/14/2005	10:23	2/14/2005	14:15	14	29	7.84
LHB5	64	2/16/2005	8:29	2/16/2005	12:15	13	29	7.59
LHB16	65	2/16/2005	8:33	2/16/2005	12:15	23	29	7.81
LHB8	66	2/16/2005	8:38	2/16/2005	12:15	33	28	7.73
LHB13	67	2/16/2005	8:40	2/16/2005	12:15	23	29	7.72
LHB6	68	2/16/2005	8:42	2/16/2005	12:15	17	26	7.63
LHB2	69	2/16/2005	8:44	2/16/2005	12:15	4.5	30	7.82
LHB1	70	2/16/2005	8:46	2/16/2005	12:15	13	29	7.82
T7	71	2/16/2005	9:22	2/16/2005	12:15	23	0	7.23
T14	72	2/16/2005	9:25	2/16/2005	12:15	9.3	16	7.24
LHG1	73	2/16/2005	8:54	2/16/2005	12:15	13	29	7.76
LHSG1	74	2/22/2005	2:45	2/23/2005	8:45	<2	28	7.84
HHHR1	75	2/22/2005	3:22	2/23/2005	8:45	240	30	7.84
HH30	76	2/28/2005	9:25	2/28/2005	12:30	7.8	26	7.43
HH33	77	2/28/2005	9:14	2/28/2005	12:30	6.8	16	7.19
HH34	78	2/28/2005	9:08	2/28/2005	12:30	4.5	20	7.46
HH5B	79	2/28/2005	9:28	2/28/2005	12:30	2	30	7.69
HH5C	80	2/28/2005	9:31	2/28/2005	12:30	2	30	7.74
HH10	81	2/28/2005	9:33	2/28/2005	12:30	<2	32	7.79
HH11	82	2/28/2005	9:34	2/28/2005	12:30	1.8	32	7.79
HH12	83	2/28/2005	9:36	2/28/2005	12:30	17	30	7.79



HH35	84	2/28/2005	9:38	2/28/2005	12:30	13	30	7.82
HH19	85	2/28/2005	9:45	2/28/2005	12:30	<2	31	7.79
HH2B	86	2/28/2005	9:47	2/28/2005	12:30	<2	30	7.80
HH36	87	2/28/2005	9:51	2/28/2005	12:30	4.5	26	7.59
HH37	88	2/28/2005	9:54	2/28/2005	12:30	<2	22	7.58
HH18	89	2/28/2005	8:51	2/28/2005	12:30	<2	31	7.79
HH1A	90	2/28/2005	9:43	2/28/2005	12:30	5.6	32	7.87
HHMG1	91	2/28/2005	8:48	2/28/2005	12:30	<2	31	7.79
HHHR1	92	2/28/2005	8:56	2/28/2005	12:30	1.8	30	7.82
LHB5	93	3/7/2005	9:03	3/7/2005	11:40	4.5	30	7.68
LHB16	94	3/7/2005	9:07	3/7/2005	11:40	11	32	7.77
LHB8	95	3/7/2005	9:10	3/7/2005	11:40	4.5	31	7.80
LHB13	96	3/7/2005	9:15	3/7/2005	11:40	11	32	7.78
LHB6	97	3/7/2005	9:17	3/7/2005	11:40	13	32	7.79
LHB2	98	3/7/2005	9:20	3/7/2005	11:40	2.0	32	7.75
LHB1	99	3/7/2005	9:22	3/7/2005	11:40	4.0	32	7.81
T7	100	3/7/2005	8:44	3/7/2005	11:40	7.8	25	7.69
T14	101	3/7/2005	8:47	3/7/2005	11:40	6.8	31	7.80
HBL	102	3/10/2005	7:34	3/10/2005	10:00	2.0	32	7.75
STD	103	3/10/2005	7:44	3/10/2005	10:00	13	30	7.74
LHB13	104	3/10/2005	8:25	3/10/2005	10:00	2.0	31	7.80
T14	105	3/10/2005	8:10	3/10/2005	10:00	7.8	31	7.81
AC8	106	3/21/2005	7:42	3/21/2005	10:50	<2	30	7.72
AC7B	107	3/21/2005	7:50	3/21/2005	10:50	<2	32	7.91
AC6G	108	3/21/2005	7:56	3/21/2005	10:50	49	32	7.87
AC5A	109	3/21/2005	8:17	3/21/2005	10:50	130	31	7.87
AC10	110	3/21/2005	8:36	3/21/2005	10:50	<2	33	7.86
AC4D	111	3/21/2005	8:27	3/21/2005	10:50	7.8	33	7.91
AC3A	112	3/21/2005	8:44	3/21/2005	10:50	17	33	7.82
AC3	113	3/21/2005	8:49	3/21/2005	10:50	4.5	33	7.86
AC1A	114	3/21/2005	9:01	3/21/2005	10:50	70	32	7.87
RH1	115	3/21/2005	8:12	3/21/2005	10:50	<2	32	7.89
RH2	116	3/21/2005	8:08	3/21/2005	10:50	<2	33	7.90
RH3	117	3/21/2005	8:04	3/21/2005	10:50	<2	32	7.92
HH31	118	3/22/2005	9:15	3/22/2005	13:00	4.5	26	7.65
HH30	119	3/22/2005	9:18	3/22/2005	13:00	<2	32	7.80
HH33	120	3/22/2005	9:06	3/22/2005	13:00	4.5	28	7.79
HH34	121	3/22/2005	9:08	3/22/2005	13:00	4.5	30	7.81
HH5B	122	3/22/2005	9:22	3/22/2005	13:00	2.0	32	7.89
HH5C	123	3/22/2005	9:25	3/22/2005	13:00	<2	32	7.87
HH10	124	3/22/2005	9:27	3/22/2005	13:00	<2	32	7.82
HH11	125	3/22/2005	9:28	3/22/2005	13:00	<2	32	7.91
HH35	126	3/22/2005	7:33	3/22/2005	13:00	<2	32	7.86
HH19	127	3/22/2005	9:38	3/22/2005	13:00	<2	32	7.91
HH2B	128	3/22/2005	9:21	3/22/2005	13:00	<2	32	7.92
HH36	129	3/22/2005	9:42	3/22/2005	13:00	<2	32	7.86
HH37	130	3/22/2005	9:44	3/22/2005	13:00	<2	31	7.84

HH18	131	3/22/2005	9:50	3/22/2005	13:00	1.8	31	7.87
HH1A	132	3/22/2005	9:53	3/22/2005	13:00	<2	32	7.87
HH12	133	3/23/2005	9:57	3/24/2005	9:00	<2	32	7.87
HHHR1	134	3/28/2005	8:45	3/28/2005	13:10	17	28	7.64
HHWL1	135	3/28/2005	8:30	3/28/2005	13:10	7.8	24	7.61
GBSP1	136	3/28/2005	9:15	3/28/2005	13:10	13	28	7.82
LHWM1	137	3/28/2005	9:50	3/28/2005	13:10	13	28	7.77
ACA	138	3/30/2005	7:25	3/30/2005	11:00	13	32	7.86
AC3	139	3/30/2005	7:37	3/30/2005	11:00	2.0	32	7.85
AC3A	140	3/30/2005	7:43	3/30/2005	11:00	4.5	32	7.89
AC4D	141	3/30/2005	7:52	3/30/2005	11:00	4.5	32	7.86
AC10	142	3/30/2005	8:02	3/30/2005	11:00	4.0	31	7.87
AC5A	143	3/30/2005	8:09	3/30/2005	11:00	<2	32	7.89
AC6G	144	3/30/2005	8:24	3/30/2005	11:00	<2	31	7.84
AC7B	145	3/30/2005	8:33	3/30/2005	11:00	<2	32	7.87
AC8	146	3/30/2005	8:44	3/30/2005	11:00	17	28	7.97
HHHR1	147	3/30/2005	7:05	3/30/2005	11:00	13	28	7.85
HHWL1	148	3/30/2005	6:40	3/30/2005	11:00	33	16	7.62
LHSG1	149	3/30/2005	7:00	3/30/2005	11:00	70	26	7.85
LHWM1	150	3/30/2005	7:12	3/30/2005	11:00	33	25	7.85
GBSP1	151	3/30/2005	8:30	3/30/2005	11:00	130	2	7.80
AC1A	152	4/4/2005	8:39	4/4/2005	12:20	4.5	30	7.78
AC3	153	4/4/2005	8:29	4/4/2005	12:20	2.0	30	7.88
AC3A	154	4/4/2005	8:24	4/4/2005	12:20	<2	30	7.90
AC4C	155	4/4/2005	8:18	4/4/2005	12:20	7.8	30	7.92
AC10	156	4/4/2005	8:11	4/4/2005	12:20	7.8	26	7.84
AC5A	157	4/4/2005	9:05	4/4/2005	12:20	13	26	7.88
AC6G	158	4/4/2005	8:59	4/4/2005	12:20	4.5	30	7.95
AC7B	159	4/4/2005	8:49	4/4/2005	12:20	<2	30	7.90
AC8	160	4/4/2005	8:41	4/4/2005	12:20	<2	31	7.92
GBA11.5	161	4/4/2005	8:52	4/4/2005	12:20	70	1	7.82
GB25	162	4/4/2005	8:55	4/4/2005	12:20	33	11	7.02
GB17	163	4/4/2005	9:00	4/4/2005	12:20	33	15	7.47
GB2	164	4/4/2005	9:05	4/4/2005	12:20	33	9	7.42
GB24	165	4/4/2005	9:09	4/4/2005	12:20	33	8	7.27
GB19	166	4/4/2005	9:15	4/4/2005	12:20	17	11	7.35
GB7A	167	4/4/2005	9:21	4/4/2005	12:20	17	9	7.38
GB7C	168	4/4/2005	9:24	4/4/2005	12:20	33	4	7.45
GB4A	169	4/4/2005	9:32	4/4/2005	12:20	33	2	7.60
GB81	170	4/4/2005	9:35	4/4/2005	12:20	49	2	7.15
GB5	171	4/4/2005	9:40	4/4/2005	12:20	49	8	7.12
GB16	172	4/4/2005	9:43	4/4/2005	12:20	46	8	7.42

GB82	173	4/4/2005	9:45	4/4/2005	12:20	49	4	7.33
GB83	174	4/4/2005	9:50	4/4/2005	12:20	49	5	7.02
GB84	175	4/4/2005	9:54	4/4/2005	12:20	33	17	7.02
LHSG1	176	4/4/2005	12:50	4/5/2005	8:00	17	19	7.53
LHWM1	177	4/4/2005	12:50	4/5/2005	8:00	4.5	4	7.71
GBSP1	178	4/4/2005	12:50	4/5/2005	8:00	33	4	7.85
HHHR1	179	4/4/2005	13:25	4/5/2005	8:00	49	20	7.66
HHWL1	180	4/4/2005	13:40	4/5/2005	8:00	13	15	7.62
ACB1A	181	4/6/2005	10:09	4/6/2005	12:40	<2	24	7.59
ACB2	182	4/6/2005	10:11	4/6/2005	12:40	2.0	26	7.85
ACB3	183	4/6/2005	10:15	4/6/2005	12:40	<2	26	7.88
ACB4	184	4/6/2005	10:20	4/6/2005	12:40	2.0	23	7.88
ACB5	185	4/6/2005	10:32	4/6/2005	12:40	2	26	7.90
ACB6	186	4/6/2005	8:58	4/6/2005	12:40	11	23	7.93
ACB7	187	4/6/2005	9:02	4/6/2005	12:40	<2	25	7.95
ACB8	188	4/6/2005	9:07	4/6/2005	12:40	4.0	24	7.91
ACB20	189	4/6/2005	9:51	4/6/2005	12:40	<2	31	7.93
ACB22	190	4/6/2005	10:26	4/6/2005	12:40	<2	28	7.98
GBSP1	191	4/6/2005	6:40	4/7/2005	9:15	23	0	7.77
HHWR1	192	4/6/2005	14:15	4/7/2005	9:15	<2	26	7.77
HHHR1	193	4/6/2005	14:15	4/7/2005	9:15	<2	26	7.78
LHSG1	194	4/6/2005	15:25	4/7/2005	9:15	2.0	21	7.90
LHWM1	195	4/6/2005	15:30	4/7/2005	9:15	33	20	7.93
LHWM1	196	4/11/2005	7:30	4/11/2005	12:30	7.8	25	7.77
LHSG1	197	4/11/2005	7:45	4/11/2005	12:30	4.5	25	7.86
GBSP1	198	4/11/2005	8:25	4/11/2005	12:30	49	6	7.67
AC1A	199.00	4/11/2005	9:00	4/11/2005	12:30	<2	28	7.86
AC3	200	4/11/2005	9:10	4/11/2005	12:30	4.5	28	7.90
AC3A	201	4/11/2005	9:15	4/11/2005	12:30	7.8	28	7.90
AC4D	202	4/11/2005	9:25	4/11/2005	12:30	4.5	27	7.89
AC10	203	4/11/2005	9:32	4/11/2005	12:30	17	28	7.95
AC5A	204	4/11/2005	9:39	4/11/2005	12:30	33	26	7.92
AC6G	205	4/11/2005	10:03	4/11/2005	12:30	1.8	29	7.88
AC7B	206	4/11/2005	10:09	4/11/2005	12:30	4.5	28	7.94
AC8	207	4/11/2005	10:17	4/11/2005	12:30	<2	26	8.04
RH1	208	4/11/2005	9:46	4/11/2005	12:30	13	7	7.80
RH2	209	4/11/2005	9:50	4/11/2005	12:30	7.8	24	7.60
RH3	210	4/11/2005	9:55	4/11/2005	12:30	<2	28	7.85
GB18	211	4/14/2005	9:10	4/14/2005	12:00	17	18	7.29
GBA11.5	212	4/14/2005	9:05	4/14/2005	12:00	11	10	7.46
GBA10	213	4/14/2005	9:03	4/14/2005	12:00	7.8	7	7.42

GB21	214	4/14/2005	8:56	4/14/2005	12:00	13	2	7.48
GB22	215	4/14/2005	8:54	4/14/2005	12:00	2	0	7.43
GB25	216	4/14/2005	8:45	4/14/2005	12:00	7.8	18	7.71
GB27	217	4/14/2005	8:38	4/14/2005	12:00	2	16	7.72
GB17	218	4/14/2005	8:41	4/14/2005	12:00	<2	17	7.79
GB2	219	4/14/2005	8:27	4/14/2005	12:00	2	14	7.73
GB34	220	4/14/2005	8:30	4/14/2005	12:00	<2	13	7.68
GB33	221	4/14/2005	8:35	4/14/2005	12:00	7.8	12	7.60
GB28	222	4/14/2005	8:25	4/14/2005	12:00	4.5	15	7.75
GB19	223	4/14/2005	8:23	4/14/2005	12:00	<2	15	7.80
GB50	224	4/14/2005	8:20	4/14/2005	12:00	4.5	15	7.74
GB7A	225	4/14/2005	8:14	4/14/2005	12:00	<2	14	7.75
GB7C	226	4/14/2005	8:09	4/14/2005	12:00	<2	12	7.69
GB4A	227	4/14/2005	7:59	4/14/2005	12:00	17	9	7.49
GB81	228	4/14/2005	8:01	4/14/2005	12:00	6.8	9	7.54
GB5	229	4/14/2005	7:31	4/14/2005	12:00	2.0	12	7.61
GB16	230	4/14/2005	7:34	4/14/2005	12:00	2.0	12	7.53
GB82	231	4/14/2005	7:37	4/14/2005	12:00	4.5	12	7.42
GB82A	232	4/14/2005	7:41	4/14/2005	12:00	4.0	10	7.62
GB83	233	4/14/2005	7:46	4/14/2005	12:00	<2	12	7.55
GB83A	234	4/14/2005	7:47	4/14/2005	12:00	2.0	10	7.56
GB84	235	4/14/2005	7:52	4/14/2005	12:00	2.0	11	7.64
HH31	236	4/19/2005	8:47	4/19/2005	11:05	2.0	24	7.74
HH30	237	4/19/2005	8:45	4/19/2005	11:05	<2	28	7.84
HH33	238	4/19/2005	8:38	4/19/2005	11:05	4.5	22	7.78
HH34	239	4/19/2005	8:41	4/19/2005	11:05	1.8	24	7.82
HH5B	240	4/19/2005	8:51	4/19/2005	11:05	2.0	29	7.89
HH5C	241	4/19/2005	8:53	4/19/2005	11:05	<2	29	7.91
HH10	242	4/19/2005	8:55	4/19/2005	11:05	2.0	28	7.88
HH11	243	4/19/2005	8:56	4/19/2005	11:05	<2	29	7.87
HH12	244	4/19/2005	8:59	4/19/2005	11:05	2.0	29	7.93
HH35	245	4/19/2005	9:01	4/19/2005	11:05	<2	29	7.92
HH19	246	4/19/2005	9:06	4/19/2005	11:05	2.0	28	7.94
HH2B	247	4/19/2005	9:08	4/19/2005	11:05	<2	28	7.91
HH36	248	4/19/2005	9:11	4/19/2005	11:05	<2	29	7.89
HH37	249	4/19/2005	9:15	4/19/2005	11:05	2.0	28	7.88
HH18	250	4/19/2005	9:21	4/19/2005	11:05	<2	29	7.86
HH1A	251	4/19/2005	9:24	4/19/2005	11:05	<2	29	7.87
LHB5	252	4/25/2005	9:09	4/25/2005	12:30	17	21	7.87
LHB16	253	4/25/2005	9:12	4/25/2005	12:30	33	22	7.80
LHB8	254	4/25/2005	9:15	4/25/2005	12:30	11	25	7.78
LHB13	255	4/25/2005	9:19	4/25/2005	12:30	49	26	7.77
LHB6	256	4/25/2005	9:21	4/25/2005	12:30	23	27	7.78
LHB2	257	4/25/2005	9:24	4/25/2005	12:30	13	27	7.86
LHB1	258	4/25/2005	9:27	4/25/2005	12:30	4.5	27	7.86
T7	259	4/25/2005	7:56	4/25/2005	12:30	79	2	7.59
T14	260	4/25/2005	7:47	4/25/2005	12:30	33	15	7.22
GB25	261	5/1/05	13:25	5/2/2005	11:30	13	16	7.69
GB27	262	5/1/05	13:22	5/2/2005	11:30	49	14	7.47

GB17	263	5/1/O5	13:17	5/2/2005	11:30	13	15	7.60
GB2	264	5/1/O5	13:15	5/2/2005	11:30	130	9	7.42
GB28	265	5/1/O5	13:10	5/2/2005	11:30	17	13	7.37
GB19	266	5/1/O5	13:08	5/2/2005	11:30	17	13	7.24
GB50	267	5/1/O5	13:05	5/2/2005	11:30	33	8	7.40
GB7A	268	5/1/O5	12:58	5/2/2005	11:30	11	11	7.57
GB4A	269	5/1/O5	12:43	5/2/2005	11:30	27	7	7.51
GB5	270	5/1/O5	12:47	5/2/2005	11:30	33	10	7.49
GB16	271	5/1/O5	12:52	5/2/2005	11:30	13	8	7.51
HHHR1	272	5/2/2005	10:50	5/2/2005	13:15	4.5	29	7.56
HHWC1	273	5/2/2005	11:15	5/2/2005	13:15	23	25	7.80
AC1A	274	5/2/2005	10:30	5/2/2005	13:15	<2	29	7.86
AC3	275	5/2/2005	10:21	5/2/2005	13:15	<2	30	7.88
AC3A	276	5/2/2005	10:15	5/2/2005	13:15	<2	29	7.89
AC4D	277	5/2/2005	10:06	5/2/2005	13:15	<2	30	7.88
AC10	278	5/2/2005	9:56	5/2/2005	13:15	<2	30	7.76
AC5A	279	5/2/2005	9:51	5/2/2005	13:15	1.8	30	7.92
AC6G	280	5/2/2005	9:36	5/2/2005	13:15	2	29	7.91
AC7B	281	5/2/2005	9:30	5/2/2005	13:15	<2	29	7.89
AC8	282	5/2/2005	9:20	5/2/2005	13:15	<2	28	0.33
LHSG1	283	5/2/2005	12:50	5/3/2005	9:00	2	25	7.88
LHWM1	284	5/2/2005	13:00	5/3/2005	9:00	<2	26	7.84
LHB5	285	5/3/2005	8:45	5/3/2005	12:40	13	22	7.82
LHB16	286	5/3/2005	8:48	5/3/2005	12:40	4.5	24	7.90
LHB8	287	5/3/2005	8:53	5/3/2005	12:40	2	25	7.90
LHB13	288	5/3/2005	8:58	5/3/2005	12:40	4.5	25	7.89
LHB6	289	5/3/2005	9:02	5/3/2005	12:40	<2	28	7.95
LHB2	290	5/3/2005	9:05	5/3/2005	12:40	2	28	7.93
LHB1	291	5/3/2005	9:07	5/3/2005	12:40	4.5	26	7.84
T7	292	5/3/2005	8:00	5/3/2005	12:40	23	1	7.89
T14	293	5/3/2005	8:05	5/3/2005	12:40	13	24	7.79`
GBSP1	294	5/3/2005	14:40	5/4/2005	11:00	11	30	8.03
GB25	295	5/4/2005	9:10	5/4/2005	12:45	4.5	18	7.92
GB27	296	5/4/2005	9:15	5/4/2005	12:45	4.0	17	7.75
GB17	297	5/4/2005	9:19	5/4/2005	12:45	22	22	7.81
GB2	298	5/4/2005	9:23	5/4/2005	12:45	6.8	17	7.71
GB28	299	5/4/2005	9:27	5/4/2005	12:45	6.8	19	7.79
GB19	300	5/4/2005	9:30	5/4/2005	12:45	7.8	18	7.76
GB50	301	5/4/2005	9:32	5/4/2005	12:45	13	16	7.73
GB7A	302	5/4/2005	9:37	5/4/2005	12:45	11	15	7.68
GB4A	303	5/4/2005	9:41	5/4/2005	12:45	<2	14	7.68
GB5	304	5/4/2005	9:50	5/4/2005	12:45	6.8	14	7.68
GB16	305	5/4/2005	9:54	5/4/2005	12:45	2	13	7.58
GB81	306	5/4/2005	9:45	5/4/2005	12:45	4.5	13	7.66
HHWL1	307	5/10/2005	7:50	5/10/2005	9:30	33	21	7.40

HHHR1	308	5/10/2005	8:02	5/10/2005	9:30	33	24	7.54
HHHR1	309	5/12/2005	9:15	5/12/2005	11:15	13	28	7.68
GB18	310	5/12/2005	8:03	5/12/2005	11:15	4.5	21	7.70
GBA11.5	311	5/12/2005	8:07	5/12/2005	11:15	23	12	7.54
GBA10	312	5/12/2005	8:11	5/12/2005	11:15	11	9	7.37
GB21	313	5/12/2005	8:19	5/12/2005	11:15	23	4	7.52
GB22	314	5/12/2005	8:21	5/12/2005	11:15	23	2	7.47
GB25	315	5/12/2005	7:56	5/12/2005	11:15	2	20	7.65
GB27	316	5/12/2005	7:52	5/12/2005	11:15	6.8	19	7.42
GB17	317	5/12/2005	7:50	5/12/2005	11:15	2	20	7.67
GB2	318	5/12/2005	7:37	5/12/2005	11:15	11	18	7.54
GB34	319	5/12/2005	7:39	5/12/2005	11:15	7.8	15	7.65
GB33	320	5/12/2005	7:44	5/12/2005	11:15	22	12	7.54
GB28	321	5/12/2005	7:35	5/12/2005	11:15	<2	19	7.66
GB19	322	5/12/2005	7:33	5/12/2005	11:15	1.8	19	7.69
GB50	323	5/12/2005	7:30	5/12/2005	11:15	7.8	17	7.65
GB7A	324	5/12/2005	7:21	5/12/2005	11:15	<2	16	7.67
GB7C	325	5/12/2005	7:16	5/12/2005	11:15	<2	16	7.59
GB4A	326	5/12/2005	7:05	5/12/2005	11:15	2	14	7.57
GB81	327	5/12/2005	7:08	5/12/2005	11:15	2	14	7.63
GB5	328	5/12/2005	6:27	5/12/2005	11:15	2	17	7.65
GB16	329	5/12/2005	6:31	5/12/2005	11:15	<2	16	7.63
GB82	330	5/12/2005	6:34	5/12/2005	11:15	<2	14	7.62
GB82A	331	5/12/2005	6:38	5/12/2005	11:15	6.8	15	7.61
GB83	332	5/12/2005	6:45	5/12/2005	11:15	7.8	16	7.65
GB83A	333	5/12/2005	6:48	5/12/2005	11:15	<2	16	7.57
GB84	334	5/12/2005	6:55	5/12/2005	11:15	<2	16	7.53
HH31	335	5/16/2005	9:00	5/16/2005	12:15	4.5	23	7.68
HH30	336	5/16/2005	8:58	5/16/2005	12:15	2	25	7.77
HH33	337	5/16/2005	8:49	5/16/2005	12:15	<2	21	7.72
HH34	338	5/16/2005	8:53	5/16/2005	12:15	4	25	7.74
HH5B	339	5/16/2005	9:05	5/16/2005	12:15	7.8	28	7.82
HH5C	340	5/16/2005	9:07	5/16/2005	12:15	17	28	7.84
HH10	341	5/16/2005	9:09	5/16/2005	12:15	6.8	29	7.90
HH11	342	5/16/2005	9:17	5/16/2005	12:15	11	29	7.91
HH12	343	5/16/2005	9:19	5/16/2005	12:15	79	29	7.91
HH35	344	5/16/2005	9:21	5/16/2005	12:15	23	28	7.88
HH19	345	5/16/2005	9:35	5/16/2005	12:15	33	29	7.92
HH2B	346	5/16/2005	9:37	5/16/2005	12:15	33	28	7.90
HH36	347	5/16/2005	9:42	5/16/2005	12:15	46	27	7.86
HH37	348	5/16/2005	9:44	5/16/2005	12:15	17	27	7.87
HH18	349	5/16/2005	9:30	5/16/2005	12:15	23	30	7.93
HH1A	350	5/16/2005	9:27	5/16/2005	12:15	33	29	7.95
ACB8	351	5/17/2005	8:58	5/17/2005	13:15	2	30	7.94
ACB7	352	5/17/2005	8:52	5/17/2005	13:15	11	30	7.97
ACB6	353	5/17/2005	8:50	5/17/2005	13:15	2	30	7.91
ACB5	354	5/17/2005	10:21	5/17/2005	13:15	4.5	29	7.92
ACB22	355	5/17/2005	10:15	5/17/2005	13:15	<2	29	7.98

ACB4	356	5/17/2005	10:06	5/17/2005	13:15	2	29	7.82
ACB3	357	5/17/2005	9:59	5/17/2005	13:15	<2	30	7.88
ACB2	358	5/17/2005	9:54	5/17/2005	13:15	<2	29	7.91
ACB1A	359	5/17/2005	9:51	5/17/2005	13:15	<2	31	7.94
ACB20	360	5/17/2005	9:30	5/17/2005	13:15	<2	29	7.97
HHHR1	361	5/18/2005	11:50	5/18/2005	14:00	<2	29	7.93
HHWL1	362	5/18/2005	11:30	5/18/2005	14:00	<2	28	7.86
GB25	363	5/31/2005	9:27	5/31/2005	11:30	6.8	17	7.65
GB27	364	5/31/2005	9:24	5/31/2005	11:30	11	16	7.62
GB17	365	5/31/2005	9:22	5/31/2005	11:30	4.5	16	7.68
GB2	366	5/31/2005	9:12	5/31/2005	11:30	31	12	7.58
GB34	367	5/31/2005	9:14	5/31/2005	11:30	33	9	7.32
GB33	368	5/31/2005	9:15	5/31/2005	11:30	49	8	7.38
GB28	369	5/31/2005	9:10	5/31/2005	11:30	2	15	7.61
GB19	370	5/31/2005	9:07	5/31/2005	11:30	7.8	12	7.57
GB50	371	5/31/2005	9:05	5/31/2005	11:30	11	12	7.58
GB7A	372	5/31/2005	9:01	5/31/2005	11:30	4.5	10	7.53
GBAP1	373	5/31/2005	8:30	5/31/2005	11:30	13	10	7.44
GB4A	374	5/31/2005	8:38	5/31/2005	11:30	11	8	7.41
GB81	375	5/31/2005	8:35	5/31/2005	11:30	7.8	8	7.42
GB50	376	5/31/2005	8:41	5/31/2005	11:30	23	8	7.36
GB16	377	5/31/2005	8:43	5/31/2005	11:30	4.5	10	7.44
GB82	378	5/31/2005	8:46	5/31/2005	11:30	4.5	9	7.49
GB83	379	5/31/2005	8:49	5/31/2005	11:30	7.8	9	7.46
GB84	380	5/31/2005	8:52	5/31/2005	11:30	4.5	7	7.41
GBSP1	381	6/6/2005	8:19	6/6/2005	10:40	240	11	7.48
GBAP1	382	6/7/2005	14:45	6/8/2005	8:00	17	15	7.42
AC1A	383	6/14/2005	8:12	6/14/2005	13:40	33	30	7.88
AC3	384	6/14/2005	7:59	6/14/2005	13:40	4	29	7.91
AC3A	385	6/14/2005	7:54	6/14/2005	13:40	2	30	7.92
AC4D	386	6/14/2005	7:47	6/14/2005	13:40	13	29	7.97
AC10	387	6/14/2005	7:37	6/14/2005	13:40	6.8	29	7.79
AC5A	388	6/14/2005	7:40	6/14/2005	13:40	13	28	7.97
AC6G	389	6/14/2005	7:11	6/14/2005	13:40	170	29	7.94
AC7B	390	6/14/2005	7:01	6/14/2005	13:40	1.8	29	7.93
AC8	391	6/14/2005	7:19	6/14/2005	13:40	49	28	7.69
ACB8	392	6/20/2005	7:57	6/20/2005	12:45	6.8	25	7.62
ACB7	393	6/20/2005	7:52	6/20/2005	12:45	2	29	7.83
ACB6	394	6/20/2005	7:49	6/20/2005	12:45	1.8	29	7.92
ACB5	395	6/20/2005	9:15	6/20/2005	12:45	<2	29	7.94
ACB4	396	6/20/2005	9:08	6/20/2005	12:45	6.8	29	7.97
ACB3	397	6/20/2005	9:02	6/20/2005	12:45	<2	30	8.03
ACB2	398	6/20/2005	8:58	6/20/2005	12:45	<2	29	8.08
ACB1A	399	6/20/2005	8:55	6/20/2005	12:45	7.8	29	7.95
ACB20	400	6/20/2005	8:26	6/20/2005	12:45	<2	30	8.05
ACB22	401	6/20/2005	8:44	6/20/2005	12:45	<2	29	7.98





GB18	449	8/3/2005	8:56	8/3/2005	13:40	1.8	29	7.91
GBA11.5	450	8/3/2005	9:05	8/3/2005	13:40	4.5	28	7.95
GBA10	451	8/3/2005	9:07	8/3/2005	13:40	13	28	7.95
GB21	452	8/3/2005	9:15	8/3/2005	13:40	170	16	7.83
GB22	453	8/3/2005	9:20	8/3/2005	13:40	49	18	7.75
GB25	454	8/3/2005	9:33	8/3/2005	13:40	23	28	7.90
GB27	455	8/3/2005	9:38	8/3/2005	13:40	4	28	7.90
GB17	456	8/3/2005	9:41	8/3/2005	13:40	1.8	28	7.93
GB2	457	8/3/2005	9:45	8/3/2005	13:40	4.5	28	7.95
GB34	458	8/3/2005	9:47	8/3/2005	13:40	<2	2	7.92
GB33	459	8/3/2005	9:49	8/3/2005	13:40	7.8	28	7.89
GB28	460	8/3/2005	10:00	8/3/2005	13:40	4	29	7.96
GB19	461	8/3/2005	10:02	8/3/2005	13:40	3.7	29	7.98
GB50	462	8/3/2005	10:04	8/3/2005	13:40	2	29	7.97
GB7A	463	8/3/2005	10:14	8/3/2005	13:40	<2	28	7.99
GB7C	464	8/3/2005	10:17	8/3/2005	13:40	2	28	8.01
GB4A	465	8/3/2005	11:05	8/3/2005	13:40	2	28	7.99
GB81	466	8/3/2005	10:27	8/3/2005	13:40	2	28	8.03
GB5	467	8/3/2005	10:35	8/3/2005	13:40	2	28	7.97
GB16	468	8/3/2005	10:42	8/3/2005	13:40	<2	28	7.97
GB82	469	8/3/2005	10:44	8/3/2005	13:40	7.8	27	7.92
GB82A	470	8/3/2005	10:47	8/3/2005	13:40	<2	27	7.95
GB83	471	8/3/2005	10:51	8/3/2005	13:40	<2	27	7.99
GB83A	472	8/3/2005	10:54	8/3/2005	13:40	<2	27	7.98
GB84	473	8/3/2005	11:00	8/3/2005	13:40	<2	28	8.02
AC8	474	8/8/2005	10:00	8/8/2005	13:50	2.0	31	7.83
ACB7	475	8/8/2005	9:53	8/8/2005	13:50	<2	32	7.94
ACB6	476	8/8/2005	9:50	8/8/2005	13:50	<2	31	7.94
ACB5	477	8/8/2005	9:41	8/8/2005	13:50	<2	32	8.02
ACB22	478	8/8/2005	9:35	8/8/2005	13:50	<2	32	8.03
ACB4	479	8/8/2005	9:29	8/8/2005	13:50	14	32	8.00
ACB3	480	8/8/2005	9:22	8/8/2005	13:50	<2	32	8.02
ACB2	481	8/8/2005	9:17	8/8/2005	13:50	<2	32	8.05
ACB1A	482	8/8/2005	9:15	8/8/2005	13:50	<2	32	8.03
ACB20	483	8/8/2005	10:32	8/8/2005	13:50	<2	31	8.03
GB19	484	8/30/2005	13:42	8/30/2005	15:05	<2	30	7.76
GB6	485	8/30/2005	13:45	8/30/2005	15:05	<2	30	7.94
GB50	486	8/30/2005	13:48	8/30/2005	15:05	<2	28	7.92
GB25	487	9/1/2005	8:58	9/1/2005	12:30	33	30	7.91
GB27	488	9/1/2005	9:02	9/1/2005	12:30	11	30	7.93
GB17	489	9/1/2005	9:05	9/1/2005	12:30	2	30	7.93
GB2	490	9/1/2005	9:08	9/1/2005	12:30	7.8	30	7.94
GB34	491	9/1/2005	9:11	9/1/2005	12:30	46	30	7.86
GB33	492	9/1/2005	9:14	9/1/2005	12:30	49	29	7.84
GB28	493	9/1/2005	9:19	9/1/2005	12:30	13	30	7.92
GB19	494	9/1/2005	9:21	9/1/2005	12:30	6.8	30	7.91
GB50	495	9/1/2005	9:25	9/1/2005	12:30	2	30	7.93
GB7A	496	9/1/2005	9:31	9/1/2005	12:30	4.5	30	7.89
GB4A	497	9/1/2005	9:37	9/1/2005	12:30	2	30	7.92

GB81	498	9/1/2005	9:41	9/1/2005	12:30	4.5	29	7.83
GB5	499	9/1/2005	9:47	9/1/2005	12:30	11	29	7.83
GB16	500	9/1/2005	9:50	9/1/2005	12:30	6.8	29	7.90
GB18	501	9/6/2005	9:57	9/6/2005	12:45	<2	30	7.92
GBA11.5	502	9/6/2005	9:52	9/6/2005	12:45	1.8	29	7.98
GBA10	503	9/6/2005	9:50	9/6/2005	12:45	4.5	24	8.07
GB21	504	9/6/2005	9:35	9/6/2005	12:45	79	8	7.81
GB22	505	9/6/2005	9:39	9/6/2005	12:45	33	17	7.92
GB25	506	9/6/2005	10:17	9/6/2005	12:45	<2	30	7.90
GB27	507	9/6/2005	10:25	9/6/2005	12:45	<2	30	7.91
GB17	508	9/6/2005	10:20	9/6/2005	12:45	<2	30	7.91
GB28	509	9/6/2005	10:28	9/6/2005	12:45	<2	30	7.92
GBSP1	510	9/6/2005	8:40	9/6/2005	12:45	<2	30	7.92
GB2	511	9/6/2005	15:49	9/7/2005	8:30	2	31	7.91
GB34	512	9/6/2005	15:51	9/7/2005	8:30	2	31	7.86
GB33	513	9/6/2005	15:54	9/7/2005	8:30	4.5	31	7.94
GB19	514	9/6/2005	14:30	9/7/2005	8:30	2	32	7.92
GB50	515	9/6/2005	14:32	9/7/2005	8:30	<2	31	7.97
GB7A	516	9/6/2005	14:40	9/7/2005	8:30	<2	30	7.98
GB7C	517	9/6/2005	14:44	9/7/2005	8:30	49	29	8.11
GB4A	518	9/6/2005	14:54	9/7/2005	8:30	<2	30	7.85
GB81	519	9/6/2005	14:56	9/7/2005	8:30	<2	30	7.95
GB50	520	9/6/2005	15:10	9/7/2005	8:30	<2	30	7.95
GB16	521	9/6/2005	15:15	9/7/2005	8:30	<2	30	7.94
GB82	522	9/6/2005	15:22	9/7/2005	8:30	<2	30	7.97
GB82A	523	9/6/2005	15:24	9/7/2005	8:30	<2	30	7.97
GB83	524	9/6/2005	15:27	9/7/2005	8:30	<2	30	7.89
GB83A	525	9/6/2005	15:28	9/7/2005	8:30	2	30	7.90
GB84	526	9/6/2005	15:31	9/7/2005	8:30	1.8	30	7.99
AC1A	527	9/12/2005	9:13	9/12/2005	13:50	<2	31	7.90
AC3	528	9/12/2005	8:55	9/12/2005	13:50	<2	32	7.88
AC3A	529	9/12/2005	8:51	9/12/2005	13:50	<2	32	7.94
AC4D	530	9/12/2005	8:42	9/12/2005	13:50	<2	31	7.93
AC10	531	9/12/2005	8:33	9/12/2005	13:50	2	32	8.00
AC5A	532	9/12/2005	8:28	9/12/2005	13:50	<2	32	7.98
AC6G	533	9/12/2005	8:05	9/12/2005	13:50	<2	32	7.97
AC7B	534	9/12/2005	7:56	9/12/2005	13:50	13	32	7.97
AC8	535	9/12/2005	7:48	9/12/2005	13:50	1.8	32	7.85
RH1	536	9/12/2005	8:22	9/12/2005	13:50	170	32	7.88
RH2	537	9/12/2005	8:17	9/12/2005	13:50	13	32	7.88
RH3	538	9/12/2005	8:13	9/12/2005	13:50	2	32	7.90
BRR1	539	9/12/2005	14:35	9/13/2005	8:10	<2	30	7.94
HH31	540	9/20/2005	9:59	9/20/2005	13:00	33	30	7.49
HH30	541	9/20/2005	9:56	9/20/2005	13:00	17	32	7.61
HH33	542	9/20/2005	9:46	9/20/2005	13:00	23	31	7.62
HH34	543	9/20/2005	9:51	9/20/2005	13:00	22	32	7.63
HH5B	544	9/20/2005	10:03	9/20/2005	13:00	33	32	7.75

HH5C	545	9/20/2005	10:05	9/20/2005	13:00	6.8	32	7.87
HH10	546	9/20/2005	10:07	9/20/2005	13:00	4	32	7.90
HH11	547	9/20/2005	10:10	9/20/2005	13:00	17	32	7.91
HH12	548	9/20/2005	10:12	9/20/2005	13:00	7.8	32	7.92
HH35	549	9/20/2005	10:15	9/20/2005	13:00	13	32	7.84
HH19	550	9/20/2005	9:21	9/20/2005	13:00	23	32	7.78
HH2B	551	9/20/2005	9:23	9/20/2005	13:00	17	31	7.72
HH36	552	9/20/2005	9:26	9/20/2005	13:00	23	31	7.58
HH37	553	9/20/2005	9:29	9/20/2005	13:00	23	32	7.65
HH18	554	9/20/2005	9:16	9/20/2005	13:00	23	32	7.84
HHIA	555	9/20/2005	9:36	9/20/2005	13:00	<2	31	7.95
HHHR1	556	9/26/2005	10:25	9/26/2005	13:45	13	32	7.60
HHMG1	557	9/26/2005	10:55	9/26/2005	13:45	33	32	7.83
HHHR1	558	9/28/2005	14:35	9/29/2005	10:30	350	31	7.55
HHMG1	559	9/28/2005	15:00	9/29/2005	10:30	7.8	32	7.84
HH31	560	10/3/2005	10:11	10/3/2005	13:55	7.8	32	7.74
HH30	561	10/3/2005	10:10	10/3/2005	13:55	4.0	32	7.51
HH33	562	10/3/2005	10:00	10/3/2005	13:55	11	31	7.60
HH34	563	10/3/2005	10:05	10/3/2005	13:55	7.8	32	7.74
HH5B	564	10/3/2005	9:52	10/3/2005	13:55	6.8	32	7.75
HH5C	565	10/3/2005	9:50	10/3/2005	13:55	2	32	7.82
HH10	566	10/3/2005	9:38	10/3/2005	13:55	4.5	32	7.75
HH11	567	10/3/2005	9:16	10/3/2005	13:55	7.8	32	7.75
HH12	568	10/3/2005	9:09	10/3/2005	13:55	23	32	7.76
HH35	569	10/3/2005	9:11	10/3/2005	13:55	33	32	7.75
HH19	570	10/3/2005	9:20	10/3/2005	13:55	4.5	32	7.84
HH2B	571	10/3/2005	9:21	10/3/2005	13:55	13	32	7.81
HH36	572	10/3/2005	9:25	10/3/2005	13:55	23	32	7.72
HH37	573	10/3/2005	9:27	10/3/2005	13:55	13	32	7.67
HH18	574	10/3/2005	9:02	10/3/2005	13:55	130	32	7.76
HH1A	575	10/3/2005	9:07	10/3/2005	13:55	13	32	7.83
HHMG1	576	10/3/2005	8:55	10/3/2005	13:55	17	32	7.81
HHHR1	577	10/3/2005	8:40	10/3/2005	13:55	33	32	7.74
HHMG1	578	10/5/2005	7:15	10/5/2005	12:15	7.8	32	7.53
HHHR1	579	10/5/2005	6:50	10/5/2005	12:15	4.5	31	7.43
HHHR1	580	10/10/2005	9:30	10/10/2005	12:04	350	26	7.78
HHMG1	581	10/10/2005	9:58	10/10/2005	12:04	540	28	7.82
AC1A	582	10/11/2005	7:14	10/11/2005	13:00	79	27	7.84
AC3	583	10/11/2005	7:27	10/11/2005	13:00	79	31	7.78
AC3A	584	10/11/2005	7:33	10/11/2005	13:00	49	32	7.85
AC4D	585	10/11/2005	7:42	10/11/2005	13:00	49	30	7.87
AC10	586	10/11/2005	7:51	10/11/2005	13:00	33	30	7.89
AC5A	587	10/11/2005	7:55	10/11/2005	13:00	79	30	7.84
AC6G	588	10/11/2005	8:03	10/11/2005	13:00	79	32	7.87
AC7B	589	10/11/2005	8:13	10/11/2005	13:00	33	30	7.83
AC8	590	10/11/2005	8:21	10/11/2005	13:00	49	30	7.78

BRRC1	591	10/11/2005	12:20	10/12/2005	8:50	540	18	7.71
LBFP1	592	10/11/2005	13:16	10/12/2005	8:50	>1600	23	7.78
GBSP1	593	10/11/2005	13:48	10/12/2005	8:50	>1600	6	7.67
HHMG1	594	10/17/2005	7:25	10/17/2005	11:30	130	28	7.72
HHHR1	595	10/17/2005	7:15	10/17/2005	11:30	17	30	7.75
GBSP1	596	10/17/2005	8:31	10/17/2005	11:30	1600	2	7.77
GBFP1	597	10/17/2005	8:00	10/17/2005	11:30	170	14	7.46
BRRC1	598	10/17/2005	7:20	10/17/2005	11:30	350	14	7.49
LHSG1	599	10/18/2005	7:26	10/18/2005	13:00	920	20	7.11
LHWM1	600	10/18/2005	7:09	10/18/2005	13:00	49	19	7.54
GB18	601	10/18/2005	10:47	10/18/2005	15:00	94	20	7.79
GBA11.5	602	10/18/2005	10:52	10/18/2005	15:00	110	14	7.68
GBA10	603	10/18/2005	10:56	10/18/2005	15:00	110	9	7.65
GB21	604	10/18/2005	11:04	10/18/2005	15:00	220	0	7.86
GB22	605	10/18/2005	11:07	10/18/2005	15:00	70	1	7.17
GB25A	606	10/18/2005	11:18	10/18/2005	15:00	63	15	7.44
GB25A	607	10/18/2005	11:20	10/18/2005	15:00	79	14	7.25
GB25B	608	10/18/2005	11:22	10/18/2005	15:00	63	17	7.45
GB27	609	10/18/2005	11:24	10/18/2005	15:00	46	12	7.51
GB17	610	10/18/2005	11:25	10/18/2005	15:00	170	13	7.43
GB2	611	10/18/2005	11:27	10/18/2005	15:00	170	11	7.38
GB34	612	10/18/2005	11:30	10/18/2005	15:00	130	11	7.35
GB33	613	10/18/2005	11:32	10/18/2005	15:00	170	7	7.41
GB28	614	10/18/2005	11:37	10/18/2005	15:00	220	14	7.48
GB19	615	10/18/2005	11:40	10/18/2005	15:00	79	13	7.50
GB50	616	10/18/2005	11:42	10/18/2005	15:00	33	11	7.45
GB6A	617	10/18/2005	11:46	10/18/2005	15:00	130	10	7.44
GB6B	618	10/18/2005	11:49	10/18/2005	15:00	110	10	7.49
GB7A	619	10/18/2005	11:50	10/18/2005	15:00	94	10	7.26
GB7C	620	10/18/2005	11:53	10/18/2005	15:00	240	8	7.33
GB4A	621	10/18/2005	12:00	10/18/2005	15:00	240	9	7.19
GB81	622	10/18/2005	12:03	10/18/2005	15:00	920	4	7.21
GB50	623	10/18/2005	12:08	10/18/2005	15:00	49	10	7.23
GB16	624	10/18/2005	12:14	10/18/2005	15:00	79	9	7.29
GB82	625	10/18/2005	12:16	10/18/2005	15:00	240	8	7.23
GB82A	626	10/18/2005	12:18	10/18/2005	15:00	110	6	7.27
GB83	627	10/18/2005	12:21	10/18/2005	15:00	220	8	7.22
GB83A	628	10/18/2005	12:23	10/18/2005	15:00	350	6	7.24
GB84	629	10/18/2005	12:26	10/18/2005	15:00	240	7	7.22
HHMG1	630	10/19/2005	7:10	10/19/2005	12:20	11	32	7.84
HHHR1	631	10/19/2005	7:50	10/19/2005	12:20	23	27	7.69
GBSP1	632	10/19/2005	9:37	10/19/2005	12:20	94	5	7.62
BRRC1	633	10/19/2005	8:32	10/19/2005	12:20	33	10	7.34
LBFP1	634	10/19/2005	9:01	10/19/2005	12:20	49	10	7.30
AC1A	635	10/20/2005	8:21	10/20/2005	12:00	27	31	7.82
AC3	636	10/20/2005	8:02	10/20/2005	12:00	7.8	32	7.86

AC3A	637	10/20/2005	7:56	10/20/2005	12:00	49	32	7.88
AC4D	638	10/20/2005	7:48	10/20/2005	12:00	<2	33	7.92
AC5A	639	10/20/2005	7:36	10/20/2005	12:00	<2	32	7.89
AC6G	640	10/20/2005	7:23	10/20/2005	12:00	23	32	7.88
AC8	641	10/20/2005	7:16	10/20/2005	12:00	4	29	7.77
LHB5	642	10/26/2005	9:21	10/26/2005	12:00	49	21	7.62
LHB16	643	10/26/2005	9:24	10/26/2005	12:00	240	22	7.66
LHB8	644	10/26/2005	9:27	10/26/2005	12:00	350	18	7.42
LHB13	645	10/26/2005	9:30	10/26/2005	12:00	170	22	7.71
LHB6	646	10/26/2005	9:32	10/26/2005	12:00	170	22	7.39
LHB2	647	10/26/2005	9:35	10/26/2005	12:00	49	28	7.82
LHB1	648	10/26/2005	9:36	10/26/2005	12:00	33	1	7.23
T7	649	10/26/2005	9:07	10/26/2005	12:00	130	25	7.67
T14	650	10/26/2005	9:10	10/26/2005	12:00	350	10	7.56
HHHR1	651	10/31/2005	14:00	11/1/2005	10:50	4.6	31	7.89
HHMG1	652	10/31/2005	14:20	11/1/2005	10:50	2	31	7.89
LHSG1	653	10/31/2005	14:10	11/1/2005	10:50	4.5	22	7.97
LHWM1	654	10/31/2005	14:35	11/1/2005	10:50	2	22	7.80
BRR1	655	10/31/2005	15:25	11/1/2005	10:50	4.5	12	7.83
LBFP1	656	10/31/2005	15:52	11/1/2005	10:50	7.8	11	7.73
GBSP1	657	10/31/2005	18:40	11/1/2005	10:50	17	24	7.69
LB5	658	11/1/2005	8:15	11/1/2005	10:50	6.8	25	7.78
LHB16	659	11/1/2005	8:20	11/1/2005	10:50	4	26	7.79
LHB8	660	11/1/2005	8:23	11/1/2005	10:50	6.8	27	7.79
LHB13	661	11/1/2005	8:28	11/1/2005	10:50	4.5	28	7.83
LHB6	662	11/1/2005	8:30	11/1/2005	10:50	7.8	27	7.81
LHB2	663	11/1/2005	8:33	11/1/2005	10:50	<2	28	7.78
LHB1	664	11/1/2005	8:36	11/1/2005	10:50	4.5	24	7.74
T7	665	11/1/2005	7:12	11/1/2005	10:50	110	0	7.66
T14	666	11/1/2005	7:18	11/1/2005	10:50	4.5	25	7.59
GB16	667	11/2/2005	8:14	11/2/2005	11:15	13	10	7.76
GB5	668	11/2/2005	8:10	11/2/2005	11:15	17	9	7.44
GB 4A	669	11/2/2005	8:23	11/2/2005	11:15	13	10	7.42
GB6A	670	11/2/2005	8:03	11/2/2005	11:15	17	11	7.35
GB6B	671	11/2/2005	8:05	11/2/2005	11:15	11	11	7.36
GB50	672	11/2/2005	7:58	11/2/2005	11:15	7.8	12	7.37
GB19	673	11/2/2005	7:55	11/2/2005	11:15	11	12	7.31
GB2	674	11/2/2005	7:50	11/2/2005	11:15	13	13	7.47
GB25B	675	11/2/2005	7:45	11/2/2005	11:15	2	14	7.49
GB17	676	11/2/2005	7:47	11/2/2005	11:15	13	14	7.52
AC1A	677	11/2/2005	8:32	11/2/2005	11:15	4.5	33	7.79
AC3	678	11/2/2005	8:45	11/2/2005	11:15	2	33	7.92
AC3A	679	11/2/2005	8:51	11/2/2005	11:15	<2	33	7.84
AC4D	680	11/2/2005	9:00	11/2/2005	11:15	2	33	7.86

AC10	681	11/2/2005	9:07	11/2/2005	11:15	<2	33	7.90
AC5A	682	11/2/2005	9:11	11/2/2005	11:15	<2	32	7.90
AC6G	683	11/2/2005	9:30	11/2/2005	11:15	4.5	30	7.90
AC7B	684	11/2/2005	9:35	11/2/2005	11:15	4.5	30	7.87
AC8	685	11/2/2005	9:42	11/2/2005	11:15	4.5	26	8.01
RH1	686	11/2/2005	9:16	11/2/2005	11:15	<2	33	7.82
RH2	687	11/2/2005	9:20	11/2/2005	11:15	4.5	32	7.64
RH3	688	11/2/2005	9:24	11/2/2005	11:15	20	31	7.75
GB16	689	11/7/2005	9:11	11/7/2005	13:00	33	15	7.02
GB5	690	11/7/2005	9:09	11/7/2005	13:00	22	16	7.42
GB4A	691	11/7/2005	9:05	11/7/2005	13:00	23	13	7.39
GB6A	692	11/7/2005	8:56	11/7/2005	13:00	13	16	7.50
GB6B	693	11/7/2005	8:59	11/7/2005	13:00	13	16	7.57
GB50	694	11/7/2005	8:52	11/7/2005	13:00	11	17	7.02
GB19	695	11/7/2005	8:50	11/7/2005	13:00	17	18	7.49
GB2	696	11/7/2005	8:45	11/7/2005	13:00	6.8	16	7.54
GB25B	697	11/7/2005	8:38	11/7/2005	13:00	7.8	20	7.65
GB17	698	11/7/2005	8:42	11/7/2005	13:00	23	20	7.62
BRR1	699	11/7/2005	10:45	11/7/2005	13:00	13	16	7.58
LBFP1	700	11/7/2005	10:15	11/7/2005	13:00	23	15	7.64
GBSP1	701	11/7/2005	11:44	11/7/2005	13:00	79	11	7.50
GBAP1	702	11/7/2005	9:30	11/7/2005	13:00	7.8	15	7.50
GB18	703	11/8/2005	9:40	11/8/2005	13:10	13	20	7.57
GBA11.5	704	11/8/2005	9:44	11/8/2005	13:10	33	13	7.63
GBA10	705	11/8/2005	9:48	11/8/2005	13:10	22	8	7.63
GB21	706	11/8/2005	9:55	11/8/2005	13:10	49	2	7.77
GB22	707	11/8/2005	9:57	11/8/2005	13:10	46	2	7.58
GB25A	708	11/8/2005	9:35	11/8/2005	13:10	7.8	22	7.60
GB25	709	11/8/2005	9:34	11/8/2005	13:10	2	21	7.73
GB25B	710	11/8/2005	9:33	11/8/2005	13:10	17	19	7.72
GB27	711	11/8/2005	9:30	11/8/2005	13:10	70	20	7.79
GB17	712	11/8/2005	9:28	11/8/2005	13:10	6.1	20	7.83
GB2	713	11/8/2005	9:05	11/8/2005	13:10	23	18	7.79
GB34	714	11/8/2005	9:09	11/8/2005	13:10	79	17	7.72
GB33	715	11/8/2005	9:15	11/8/2005	13:10	33	14	7.71
GB28	716	11/8/2005	9:03	11/8/2005	13:10	4.5	20	7.78
GB19	717	11/8/2005	9:00	11/8/2005	13:10	17	19	7.62
GB50	718	11/8/2005	8:56	11/8/2005	13:10	6.8	18	7.62
GB6A	719	11/8/2005	8:51	11/8/2005	13:10	2	18	7.71
GB6B	720	11/8/2005	8:49	11/8/2005	13:10	4	18	7.71
GB7A	721	11/8/2005	8:47	11/8/2005	13:10	31	18	7.18
GB7C	722	11/8/2005	8:43	11/8/2005	13:10	4.5	16	7.64
GB4A	723	11/8/2005	8:34	11/8/2005	13:10	11	16	7.68
GB81	724	11/8/2005	8:36	11/8/2005	13:10	33	14	7.69
GB5	725	11/8/2005	8:30	11/8/2005	13:10	4.5	16	7.66
GB16	726	11/8/2005	8:28	11/8/2005	13:00	7.8	16	7.69
GB82	727	11/8/2005	8:22	11/8/2005	13:00	13	15	7.68
GB82A	728	11/8/2005	8:25	11/8/2005	13:00	33	15	7.71
GB83	729	11/8/2005	8:18	11/8/2005	13:00	33	14	7.68
GB83A	730	11/8/2005	8:19	11/8/2005	13:00	70	14	7.58

GB84	731	11/8/2005	8:16	11/8/2005	13:00	33	15	7.61
HH31	732	11/15/2005	8:42	11/15/2005	12:00	11	32	7.93
HH30	733	11/15/2005	8:40	11/15/2005	12:00	2	32	7.86
HH33	734	11/15/2005	8:33	11/15/2005	12:00	43	32	7.86
HH34	735	11/15/2005	8:30	11/15/2005	12:00	2	30	7.93
HH5B	736	11/15/2005	8:26	11/15/2005	12:00	<2	32	7.91
HH5C	737	11/15/2005	8:24	11/15/2005	12:00	2	31	7.95
HH10	738	11/15/2005	8:22	11/15/2005	12:00	4.5	31	7.95
HH11	739	11/15/2005	8:20	11/15/2005	12:00	2	31	7.95
HH12	740	11/15/2005	7:47	11/15/2005	12:00	4.5	31	7.97
HH35	741	11/15/2005	9:50	11/15/2005	12:00	4.5	31	7.93
HH19	742	11/15/2005	8:02	11/15/2005	12:00	<2	30	7.95
HH2B	743	11/15/2005	8:05	11/15/2005	12:00	4.5	31	7.94
HH36	744	11/15/2005	8:09	11/15/2005	12:00	17	31	7.93
HH37	745	11/15/2005	8:11	11/15/2005	12:00	17	32	7.97
HH18	746	11/15/2005	7:59	11/15/2005	12:00	4	31	7.98
HH1A	747	11/15/2005	7:56	11/15/2005	12:00	4	31	7.98
HHR	748	11/15/2005	8:57	11/15/2005	12:00	11	31	7.98
LHSG1	749	11/14/2005	15:00	11/15/2005	12:00	6.8	29	7.94
LHWM1	750	11/14/2005	15:30	11/15/2005	12:00	13	29	7.98
GB17	751	11/17/2005	7:10	11/17/2005	9:00	13	20	7.56
GB19	752	11/17/2005	7:13	11/17/2005	9:00	23	19	7.43
GB2	753	11/17/2005	7:53	11/17/2005	9:00	220	14	7.43
GBBY6	754	11/17/2005	7:22	11/17/2005	9:00	33	17	7.51
RLLSCV	755	11/17/2005	7:30	11/17/2005	9:00	130	13	7.33
GBSP1	756	11/30/2005	7:10	11/30/2005	9:20	31	13	7.44
GB16	757	12/1/2005	9:01	12/1/2005	12:30	49	12	7.49
GB5	758	12/1/2005	8:57	12/1/2005	12:30	49	14	7.56
GB14A	759	12/1/2005	8:53	12/1/2005	12:30	49	14	7.59
GB6A	760	12/1/2005	8:30	12/1/2005	12:30	79	15	7.64
GB50	761	12/1/2005	8:24	12/1/2005	12:30	33	16	7.67
GB19	762	12/1/2005	8:22	12/1/2005	12:30	49	17	7.79
GB2	763	12/1/2005	8:19	12/1/2005	12:30	70	16	7.63
GB25A	764	12/1/2005	8:11	12/1/2005	12:30	130	18	7.43
GB17	765	12/1/2005	8:15	12/1/2005	12:30	130	16	7.39
GB33	766	12/1/2005	9:20	12/1/2005	12:30	79	12	7.55
LHWM1	767	12/5/2005	7:20	12/5/2005	12:10	13	28	7.87
LHSG1	768	12/5/2005	7:05	12/5/2005	12:10	17	28	7.84
HH31	769	12/5/2005	9:13	12/5/2005	12:10	6.8	22	7.69
HH30	770	12/5/2005	9:10	12/5/2005	12:10	13	24	7.75
HH33	771	12/5/2005	9:04	12/5/2005	12:10	33	12	7.59
HH34	772	12/5/2005	9:01	12/5/2005	12:10	22	18	7.64
HH5B	773	12/5/2005	8:58	12/5/2005	12:10	33	28	7.79
HH5C	774	12/5/2005	8:56	12/5/2005	12:10	70	30	7.79
HH10	775	12/5/2005	8:54	12/5/2005	12:10	33	30	7.85
HH11	776	12/5/2005	8:52	12/5/2005	12:10	70	31	7.76

HH12	777	12/5/2005	8:45	12/5/2005	12:10	350	30	7.85
HH35	778	12/5/2005	8:48	12/5/2005	12:10	130	29	7.84
HH19	779	12/5/2005	8:25	12/5/2005	12:10	130	28	7.82
HH2B	780	12/5/2005	8:27	12/5/2005	12:10	23	26	7.79
HH36	781	12/5/2005	8:30	12/5/2005	12:10	7.8	24	7.91
HH37	782	12/5/2005	8:32	12/5/2005	12:10	4.5	31	7.87
HH18	783	12/5/2005	8:00	12/5/2005	12:10	13	33	7.90
HH1A	784	12/5/2005	8:42	12/5/2005	12:10	33	31	7.89
HHHR1	785	12/5/2005	7:55	12/5/2005	12:10	13	28	7.89
HHMG1	786	12/5/2005	8:15	12/5/2005	12:10	6.8	34	7.91
BRRC1	787	12/6/2005	8:55	12/6/2005	12:45	94	8	7.94
GBSP1	788	12/6/2005	9:40	12/6/2005	12:45	79	8	7.75
BRRC1	789	12/7/2005	10:20	12/7/2005	12:06	31	20	7.72
GBSP1	790	12/7/2005	10:55	12/7/2005	12:06	240	14	7.62
GB18	791	1/13/1900	10:35	12/12/2005	3.25	13	29	7.73
GBA11.5	792	1/13/1900	10:39	12/12/2005	3.25	17	22	7.68
GBA10	793	1/13/1900	10:41	12/12/2005	3.25	33	22	7.60
GB25A	794	1/13/1900	10:31	12/12/2005	3.25	13	28	7.75
GB25	795	1/13/1900	10:29	12/12/2005	3.25	23	28	7.74
GB25B	796	1/13/1900	10:28	12/12/2005	3.25	7.8	26	7.81
GB27	797	1/13/1900	10:27	12/12/2005	3.25	13	26	7.74
GB17	798	1/13/1900	10:24	12/12/2005	3.25	7.8	27	7.81
GB2	799	1/13/1900	10:14	12/12/2005	3.25	46	22	7.76
GB34	800	1/13/1900	10:16	12/12/2005	3.25	17	21	7.72
GB33	801	1/13/1900	10:19	12/12/2005	3.25	7.8	20	7.70
GB28	802	1/13/1900	10:13	12/12/2005	3.25	13	25	7.76
GB19	803	1/13/1900	10:11	12/12/2005	3.25	11	26	7.79
GB50	804	1/13/1900	10:08	12/12/2005	3.25	22	21	7.74
GB6A	805	1/13/1900	10:05	12/12/2005	3.25	33	22	7.70
GB6B	806	1/13/1900	10:04	12/12/2005	3.25	49	22	7.49
GB7A	807	1/13/1900	10:02	12/12/2005	3.25	79	22	7.74
GB7C	808	1/13/1900	9:58	12/12/2005	3.25	33	19	7.71
GB4A	809	1/13/1900	9:31	12/12/2005	3.25	17	20	7.74
GB81	810	1/13/1900	9:35	12/12/2005	3.25	49	16	7.64
GB50	811	1/13/1900	9:40	12/12/2005	3.25	31	20	7.73
GB16	812	1/13/1900	9:43	12/12/2005	3.25	27	19	7.72
GB82	813	1/13/1900	9:46	12/12/2005	3.25	33	18	7.76
GB83	814	1/13/1900	9:50	12/12/2005	3.25	13	18	7.60
GB84	815	1/13/1900	9:52	12/12/2005	3.25	49	18	7.53
GBSP1	816	12/12/2005	15:25	12/13/2005	8:30	46	16	7.62
BRRC1	817	12/12/2005	14:30	12/13/2005	8:30	33	22	7.74
ADMPT	818	12/14/2005	12:58	12/15/2005	9:00	22	27	7.67
CDRPT	819	12/14/2005	11:18	12/15/2005	9:00	23	26	7.74
FOXPT	820	12/14/2005	11:02	12/15/2005	9:00	23	25	7.73
GBMRN	821	12/14/2005	10:54	12/15/2005	9:00	33	24	7.76
SDYPT	822	12/14/2005	11:22	12/15/2005	9:00	23	16	7.81
GB2	823	12/14/2005	12:42	12/15/2005	9:00	11	23	7.70



HLTNPT	824	12/14/2005	11:10	12/15/2005	9:00	31	25	7.79
HH5C	825	12/19/2005	8:15	12/19/2005	12:45	22	23	7.43
HH10	826	12/19/2005	8:17	12/19/2005	12:45	27	26	7.66
HH11	827	12/19/2005	8:19	12/19/2005	12:45	9.3	28	7.77
HH12	828	12/19/2005	8:42	12/19/2005	12:45	31	27	7.78
HH35	829	12/19/2005	8:45	12/19/2005	12:45	4.5	28	7.74
HH19	830	12/19/2005	8:30	12/19/2005	12:45	4.5	29	7.77
HH1A	831	12/19/2005	8:31	12/19/2005	12:45	11	30	7.76
HH18	832	12/19/2005	8:32	12/19/2005	12:45	6.8	32	7.87
HHMG1	833	12/19/2005	8:27	12/19/2005	12:45	7.8	32	7.87
HHHR1	834	12/19/2005	8:34	12/19/2005	12:45	33	25	7.84
LHB1	835	12/19/2005	10:00	12/19/2005	12:45	4.5	30	7.86
LHB2	836	12/19/2005	10:02	12/19/2005	12:45	6.8	28	7.88
LHB6	837	12/19/2005	9:56	12/19/2005	12:45	13	30	7.90
LHB13	838	12/19/2005	9:54	12/19/2005	12:45	7.8	29	7.81
LHB16	839	12/19/2005	9:39	12/19/2005	12:45	23	27	7.80
LHB35	840	12/19/2005	9:36	12/19/2005	12:45	21	25	7.89
LHSG1	841	12/19/2005	9:50	12/19/2005	12:45	13	29	7.85
GB25B	842	12/19/2005	15:22	12/20/2005	8:40	13	24	7.86
GB17	843	12/19/2005	15:17	12/20/2005	8:40	17	27	7.87
GB2	844	12/19/2005	15:12	12/20/2005	8:40	22	21	7.90
GB19	845	12/19/2005	15:07	12/20/2005	8:40	17	24	7.76
GB50	846	12/19/2005	14:59	12/20/2005	8:40	22	20	7.81
GB6A	847	12/19/2005	14:55	12/20/2005	8:40	33	22	7.80
GB6B	848	12/19/2005	14:53	12/20/2005	8:40	33	21	7.80
GB7A	849	12/19/2005	14:50	12/20/2005	8:40	7.8	21	7.80
GB4A	850	12/19/2005	14:35	12/20/2005	8:40	33	19	7.69
GB50	851	12/19/2005	14:44	12/20/2005	8:40	31	20	7.66
BRR1	852	12/21/2005	9:44	12/21/2005	12:30	79	20	7.49
GBSP1	853	12/21/2005	10:10	12/21/2005	12:30	49	16	7.48

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

**New Hampshire Public Health Laboratories**

Appendix B



HHWL1	CLAM	5/10/2005	7:50	5/10/2005	9:30	330	33	37
HHHR1	MUSSEL	5/10/2005	8:20	5/10/2005	9:30	140	33	38
								39
HHHR1	MUSSEL	5/18/2005	11:50	5/18/2005	14:00	78	<2	40
HHWL1	CLAM	5/18/2005	11:30	5/18/2005	14:00	170	<2	41
GBAP1	OYSTER	5/31/2005	8:30	5/31/2005	11:30	330	13	42
GBSP1	CLAM	6/6/2005	8:19	6/6/2005	10:40	1700	240	43
GBAP1	OYSTERS	6/7/2005	14:45	6/8/2005	11:00	230	17	44
GBSP1	CLAMS	9/6/2005	8:40	9/6/2005	12:45	45	<2	45
BRRC1	CLAMS	9/12/2005	14:35	9/13/2005	9:13	20	<2	46
HHHR1	MUSSELS	9/26/2005	10:25	9/26/2005	13:45	330	13	47
HHMG1	CLAMS	9/26/2005	10:55	9/26/2005	13:45	1700	33	48
HHHR1	MUSSELS	9/28/2005	14:35	9/29/2005	10:30	20	350	49
HHMG1	CLAMS	9/28/2005	15:00	9/29/2005	10:30	78	7.8	50
HHMG1	CLAMS	10/3/2005	8:55	10/3/2005	13:55	700	17	51
HHHR1	MUSSELS	10/3/2005	8:40	10/3/2005	13:55	170	33	52
HHMG1	CLAMS	10/5/2005	7:15	10/5/2005	12:15	490	7.8	53
HHHR1	MUSSELS	10/5/2005	6:50	10/5/2005	12:15	790	4.5	54
HHHR1	MUSSELS	10/10/2005	9:30	10/10/2005	12:04	4900	350	55
HHMG1	CLAMS	10/10/2005	9:58	10/10/2005	12:04	11000	540	56
BRRC1	SSCLAMS	10/11/2005	12:20	10/12/2005	8:50	4900	540	57
LBFP1	RZCLAMS	10/11/2005	13:16	10/12/2005	8:50	17000	>1600	58
GBSP1	SSCLAMS	10/11/2005	13:48	10/12/2005	8:50	13000	>1600	59
HHMG1	SSCLAMS	10/17/2005	7:25	10/17/2005	11:30	460	130	60
HHHR1	B MUSSEL	10/17/2005	7:15	10/17/2005	11:30	330	17	61
GBSP1	SSCLAMS	10/17/2005	8:31	10/17/2005	11:30	3100	1600	62
LBFP1	RZCLAM	10/17/2005	8:00	10/17/2005	11:30	1700	170	63
BRRC1	SSCLAMS	10/17/2005	8:00	10/17/2005	11:30	1300	350	64
LHSG1	CLAMS	10/18/2005	7:26	10/18/2005	13:00	790	920	65
LHWM1	MUSSELS	10/18/2005	7:09	10/18/2005	13:00	330	49	66
HHMG1	CLAM	10/19/2005	7:10	10/19/2005	12:20	170	11	67
HHHR1	MUSSEL	10/19/2005	7:50	10/19/2005	12:20	230	23	68
GBSP1	SSCLAM	10/19/2005	6:32	10/19/2005	12:20	3300	94	69
BRRC1	SSCLAM	10/19/2005	8:32	10/19/2005	12:20	490	33	70
LBFP1	RZCLAM	10/19/2005	6:34	10/19/2005	12:20	1300	49	71
HHHR1	MUSSEL	10/31/2005	14:00	11/1/2005	10:50	<20	4.5	72

HHMG1	CLAM	10/31/2005	14:20	11/1/2005	10:50	170	2	73
LHSG1	SSCLAM	10/31/2005	14:10	11/1/2005	10:50	110	4.5	74
LHWM1	MUSSEL	10/31/2005	14:35	11/1/2005	10:50	20	2	75
BRR1	SSCLAM	10/31/2005	15:25	11/1/2005	10:50	78	4.5	76
LBFP1	SSCLAM	10/31/2005	15:52	11/1/2005	10:50	310	7.8	77
GBSP1	SSCLAM	10/31/2005	18:40	11/1/2005	10:50	330	17	78
BRR1	SSCLAM	11/7/2005	10:45	11/7/2005	13:00	18	13	79
LBFP1	SSCLAM	11/7/2005	10:15	11/7/2005	13:00	68	23	80
GBSP1	SSCLAM	11/7/2005	11:44	11/7/2005	13:00	220	79	81
GBAP1	OYSTER	11/7/2005	9:30	11/7/2005	13:00	37	7.8	82
HHHR1	MUSSEL	11/14/2005	8:57	11/15/2005	12:00	330	11	83
LHSG1	CLAM	11/14/2005	15:00	11/15/2005	12:00	45	6.8	84
LHWM1	MUSSEL	11/14/2005	15:30	11/15/2005	12:00	20	13	85
GBSP1	CLAM	11/30/2005	7:10	11/30/2005	9:20	230	31	86
LHWM1	MUSSEL	12/5/2005	7:20	12/5/2005	12:10	78	13	87
LHSG1	CLAM	12/5/2005	7:05	12/5/2005	12:10	20	17	88
HHHR1	MUSSEL	12/5/2005	7:55	12/5/2005	12:10	78	13	89
HHMG1	CLAM	12/5/2005	8:15	12/5/2005	12:10	68	6.8	90
BRR1	CLAM	12/6/2005	8:55	12/6/2005	12:45	130	94	91
GBSP1	CLAM	12/6/2005	9:40	12/6/2005	12:45	790	79	92
BRR1	SSCLAM	12/7/2005	10:20	12/7/2005	12:30	330	31	93
GBSP1	SSCLAM	12/7/2005	10:55	12/7/2005	12:30	170	14	94
GBSP1	CLAM	12/12/2005	15:25	12/13/2005	8:20	490	46	95
BRR1	CLAM	12/12/2005	14:30	12/13/2005	8:20	170	33	96
HHMG1	CLAM	12/19/2005	9:33	12/19/2005	12:30	130	7.8	97
HHHR1	MUSSELS	12/19/2005	8:10	12/19/2005	12:30	20	33	98
LHSG1	CLAM	12/19/2005	9:50	12/19/2005	12:45	490	13	99
BRR1	CLAM	12/21/2005	9:44	12/21/2005	12:30	330	79	100
GBSP1	CLAM	12/21/2005	10:10	12/21/2005	12:30	130	49	101

**LABORATORY ANALYSES OF WATER AND SHELLFISH FROM  
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**New Hampshire Public Health Laboratories**

Appendix C

PSP Tests

COLLECTION DATE	COLLECTION SITE	RESULT (ug poison/100g meat)	SAMPLE TYPE
4/5/2005	HHHR1	<44	Mussels
4/11/2005	HHHR1	<44	Mussels
4/18/2005	HHHR1	<44	Mussels
4/25/2005	HHHR1	<44	Mussels
5/2/2005	HHHR1	<44	Mussels
5/5/2005	IOSSI2	<b>567</b>	Mussels
5/5/2005	LHTF1	<44	Mussels
5/6/2005	HHHR1	<44	Mussels
5/9/2005	LHTF1	<44	Mussels
5/11/2005	IOSSI2	<b>341</b>	Mussels
5/12/2005	HHHR1	<44 (2 mice died after 1 hr)	Mussels
5/12/2005	IOSSI2	<b>418</b>	Mussels
5/18/2005	HHHR1	<b>60</b>	Mussels
5/19/2005	LBHP1	<44 (2 mice died after 1 hr)	Mussels
5/24/2005	LBHP1	<b>45</b>	Mussels
5/25/2005	HHHR1	<b>129</b>	Mussels
5/27/2005	ACHB3	<b>50.8</b>	Surf Clams
5/31/2005	LBHP1	<b>73</b>	Mussels
5/31/2005	HHHR1	<b>591</b>	Mussels
6/1/2005	IOSSI2	<b>360</b>	Mussels
6/1/2005	GBAP1	<44	Oysters
6/6/2005	HHHR1	<b>822</b>	Mussels
6/6/2005	LBHP1	<b>46.6</b>	Mussels
6/7/2005	IOSSI2	<b>952.6</b>	Mussels
6/13/2005	IOSSI2	<b>437</b>	Mussels
6/13/2005	HHHR1	<b>349</b>	Mussels
6/13/2005	LBHP1	<b>68.5</b>	Mussels
6/15/2005	GBAP1	<44 (3 mice died after 1 hr)	Oysters
6/20/2005	IOSSI2	<b>1224</b>	Mussels
6/21/2005	LBHP1	<b>53.8</b>	Mussels
6/21/2005	HHHR1	<b>263</b>	Mussels
6/21/2005	GBAP1	<44 (1 mouse died after 1 hr)	Oysters
6/23/2005	ACHB4	<b>328</b>	Surf Clams
6/27/2005	IOSSI2	<b>386.5</b>	Mussels
6/27/2005	LHTF1	<b>55.9</b>	Mussels
6/27/2005	LBHP1	<b>58.6</b>	Mussels
6/28/2005	HHHR1	<b>86.6</b>	Mussels
7/5/2005	IOSSI2	<b>164</b>	Mussels
7/5/2005	ACUNH1	<b>154</b>	Mussels
7/5/2005	HHHR1	<b>44.9</b>	Mussels
7/11/2005	HHHR1	<44	Mussels
7/12/2005	IOSSI2	<44 (2 mice died after 20 min)	Mussels
7/12/2005	ACUNH1	<b>47.7</b>	Mussels
7/19/2005	IOSSI2	<44	Mussels
7/19/2005	ACUNH1	<b>44.7</b>	Mussels

COLLECTION DATE	COLLECTION SITE	RESULT (ug poison/100g meat)	SAMPLE TYPE
7/24/2005	IOSSI2	<44	Mussels
7/26/2005	HHHR1	<44	Mussels
8/1/2005	IOSSI2	<44	Mussels
8/1/2005	HHHR1	<44	Mussels
8/8/2005	HHHR1	<44	Mussels
8/8/2005	IOSSI2	<44	Mussels
8/15/2005	HHHR1	<44	Mussels
8/16/2005	IOSSI2	<44	Mussels
8/22/2005	ACHB4	<b>203</b>	Surf clams
8/22/2005	HHHR1	<44	Mussels
8/24/2005	IOSSI2	<44	Mussels
8/30/2005	HHWL1	<44	Mussels
8/30/2005	HHHR1	<44	Mussels
9/6/2005	IOSSI2	<44	Mussels
9/6/2005	HHHR1	<44	Mussels
9/12/2005	HHHR1	<44	Mussels
9/13/2005	IOSSI2	<44	Mussels
9/19/2005	HHHR1	<44	Mussels
9/19/2005	IOSSI2	<44	Mussels
9/20/2005	ACHB4	<b>61</b>	Surf clams
9/26/2005	HHMG1	<44	Soft shell clams
9/26/2005	HHHR1	<44	Mussels
9/26/2005	IOSSI2	<44	Mussels
10/3/2005	HHHR1	<44	Mussels
10/3/2005	LHSG1	<44	? Clams
10/3/2005	LHWM1	<44	Mussels
10/10/2005	ACRH2	<44	Mussels
10/10/2005	HHHR1	<44	Mussels
10/10/2005	LHTF1	<44	Mussels
10/18/2005	ACHB4	<b>79.4*</b>	Surf clams
10/18/2005	HHHR1	<44	Mussels
10/24/2005	HHHR1	<44	Mussels
10/26/2005	LBHP1	<44	Mussels
10/31/2005	HHHR1	<44	Mussels
11/1/2005	ACHB4	<b>111</b>	Surf clams
11/7/2005	HHHR1	<44	Mussels
11/13/2005	ACHB4	<b>56</b>	Surf clams
11/15/2005	HHHR1	<44	Mussels
11/29/2005	ACHB4	<b>59</b>	Surf clams
12/1/2005	ACHB4	<b>79</b>	Surf clams

\*Unofficial result: Less than 12 animals tested