



# HUMBOLDT BAY MUNICIPAL WATER DISTRICT

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April 10, 2001

Matt St. John

5550 Skylane Blvd, Ste A

Santa Rosa, CA 95403

R W Q C B  
REGION 1

APR 17 2001

<input type="checkbox"/> LAW	<input type="checkbox"/> CR.	
<input type="checkbox"/> RT	<input type="checkbox"/> SAV	<input type="checkbox"/> DRG
<input type="checkbox"/> FOR	<input type="checkbox"/> RSL	

Dear Mr. St. John,

Enclosed please find a two hard copies of the data I previously sent to you by email. All data are for raw water taken from the Mad River at our District's Essex facilities. These facilities are located at about river mile 9 (from the mouth) just northeast of the City of Arcata, California. There are two sets of data as follows:

- 1) The spreadsheet MadRiverAtEssexForNCRWQCB.xls contains turbidity and temperature data for the Mad River. The sensors for this data are located in our direct diversion facility (which directly diverts surface water and delivers it, without treatment, for industrial use). Measurements are taken after the water has gone through a pump, but our operations personnel assure me that the readings are still reflective of the temperature and turbidity of the water in the main channel of the river. Occasionally the forebay is dredged to remove debris; this operation results in an elevation of turbidity levels in the forebay, but the effect on our turbidity readings is not of a lengthy duration.
- 2) The spreadsheet MadRiverWQForNCRWQCB.xls contains water quality data for samples of untreated surface waters from the Mad River. The samples were all taken near the facilities described above.

I hope the data are helpful to the North Coast Water Quality Control Board and the State Water Resources Control Board in their assessments of the state's waters. If you have any questions, please feel free to call me at (707) 443-5018 or email me at [jtarvin@hbmwd.com](mailto:jtarvin@hbmwd.com).

Very Truly Yours,

Jay Tarvin

Date	Turbidity(NTU)	Temperature(F)
1/2/97	1575	54
1/3/97	1230	53
1/4/97	841	49
1/5/97	636	48
1/6/97	500	45
1/7/97	371	45
1/8/97	285	45
1/9/97	233	47
1/10/97	194.6	46
1/11/97	136.8	47
1/12/97	124.5	47
1/13/97	133.5	42
1/14/97	106.6	39
1/15/97	71	42
1/16/97	73	45
1/17/97	73.4	50
1/18/97	81	49
1/19/97	70	51
1/20/97	65.4	51
1/21/97	118.5	48
1/22/97	178	47
1/23/97	128	44
1/24/97	80	43
1/25/97	587	49
1/26/97	907.6	50
1/27/97	850	50
1/28/97	764	51
1/29/97	469	50
1/30/97	334	50
1/31/97	250	50
2/1/97	307	52
2/2/97	178	49
2/3/97	147.3	48
2/4/97	161.2	50
2/5/97	144.3	47
2/6/97	79	46
2/7/97	76.1	49
2/8/97	79.1	46
2/9/97	67.9	48
2/10/97	65	47
2/11/97	67.7	47
2/12/97	58.5	49
2/13/97	50.5	45
2/14/97	42	45
2/15/97	52	46
2/16/97	47.8	47
2/17/97	222	50
2/18/97	96.4	47
2/19/97	119.6	50
2/20/97	103.5	46
2/21/97	61.3	48
2/22/97	41.5	46
2/23/97	32.5	45
2/24/97	27.7	46
2/25/97	24.8	45
2/26/97	23.3	50

R.W.Q.C.B.  
 REGION 1  
 APR 12 2001  
 LAM  
 RLT  
 FCR  
 CRJ  
 SAN  
 RSC  
 JRD  
 CRD

2/27/97	35.1	49
2/28/97	72.8	45
3/1/97	30.5	45
3/2/97	370	48
3/3/97	200	46
3/4/97	102.5	47
3/5/97	48.7	44
3/6/97	39.3	48
3/7/97	41.9	49
3/8/97	42.2	49
3/9/97	29.6	48
3/10/97	26.9	48
3/11/97	27	52
3/12/97	19.7	48
3/13/97	24.8	45
3/14/97	18.6	46
3/15/97	19.5	48
3/16/97	18.9	54
3/17/97	100.2	55
3/18/97	42	53
3/19/97	24.2	54
3/20/97	22.2	56
3/21/97	25.7	54
3/22/97	24.9	54
3/23/97	23.5	55
3/24/97	14.4	60
3/25/97	14.9	57
3/26/97	13.7	58
3/27/97	13.6	54
3/28/97	15.3	54
3/29/97	10.6	53
3/30/97	9.7	54
3/31/97	18.3	51
4/1/97	15.5	48
4/2/97	10.6	48
4/3/97	8.7	50
4/4/97	8.5	53
4/5/97	7.3	50
4/6/97	6.6	52
4/7/97	6.7	53
4/8/97	7.7	53
4/9/97	7.6	51
4/10/97	6.7	50
4/11/97	4.1	51
4/12/97	3.3	56
4/13/97	3.5	53
4/14/97	3	54
4/15/97	3.3	56
4/16/97	3.2	58
4/17/97	2.6	60
4/18/97	2.7	61
4/19/97	15.5	60
4/20/97	120	59
4/21/97	140	57
4/22/97	96	58
4/23/97	170	56
4/24/97	90	53

4/25/97	58	54
4/26/97	45.7	58
4/27/97	33.9	59
4/28/97	22.7	56
4/29/97	22.7	57
4/30/97	35.7	58
5/1/97	47.8	53
5/2/97	27.7	53
5/3/97	22.1	57
5/4/97	21.8	53
5/5/97	16.9	55
5/6/97	15.1	58
5/7/97	13.2	56
5/8/97	10.1	60
5/9/97	8.1	60
5/10/97	11.2	62
5/11/97	6.5	63
5/12/97	5.8	64
5/13/97	4.3	62
5/14/97	4.3	64
5/15/97	4.3	64
5/16/97	4.5	65
5/17/97	3.1	66
5/18/97	3.9	66
5/19/97	4.1	67
5/20/97	3.9	67
5/21/97	2.2	64
5/22/97	2.2	66
5/23/97	2	64
5/24/97	2.2	65
5/25/97	1.7	61
5/26/97	2	64
5/27/97	1.8	65
5/28/97	2.3	69
5/29/97	2.1	67
5/30/97	1.3	68
5/31/97	2.1	73
6/1/97	1.9	69
6/2/97	1.5	65
6/3/97	1.4	67
6/4/97	35.8	63
6/5/97	44.8	62
6/6/97	8.1	65
6/7/97	3.6	67
6/8/97	2.5	64
6/9/97	2.4	65
6/10/97	1.8	68
6/11/97	1.7	65
6/12/97	1.7	65
6/13/97	1.6	61
6/14/97	1.4	66
6/15/97	1.9	68
6/16/97	1.8	69
6/17/97	1.3	69
6/18/97	1.6	69
6/19/97	1.1	66
6/20/97	1.9	67

6/21/97	1.3	69
6/22/97	2.1	64
6/23/97	1.1	65
6/24/97	1.2	67
6/25/97	1.3	67
6/26/97	1.1	66
6/27/97	1	67
6/28/97	1	66
6/29/97	1	64
6/30/97	4.3	66
7/1/97	1.6	64
7/2/97	1.4	65
7/3/97	0.9	65
7/4/97	1.2	66
7/5/97	1.3	66
7/6/97	1.3	65
7/7/97	0.9	66
7/8/97	2.4	66
7/9/97	1.4	65
7/10/97	1.1	65
7/11/97	0.8	65
7/12/97	0.8	65
7/13/97	1.1	65
7/14/97	1.2	65
7/15/97	0.7	65
7/16/97	0.6	65
7/17/97	0.7	68
7/18/97	0.7	69
7/19/97	0.8	66
7/20/97	0.5	68
7/21/97	0.7	69
7/22/97	0.6	65
7/23/97	0.7	68
7/24/97	0.7	66
7/25/97	0.6	66
7/26/97	0.6	65
7/27/97	0.6	68
7/28/97	0.5	68
7/29/97	0.5	68
7/30/97	0.5	66
7/31/97	0.6	67
8/1/97	0.8	66
8/2/97	0.8	66
8/3/97	0.9	66
8/4/97	0.5	66
8/5/97	1.1	67
8/6/97	0.5	69
8/7/97	0.5	69
8/8/97	0.6	67
8/9/97	0.7	70
8/10/97	0.8	66
8/11/97	1	67
8/12/97	0.7	68
8/13/97	0.6	68
8/14/97	0.6	67
8/15/97	0.6	68
8/16/97	0.6	68

8/17/97	0.7	68
8/18/97	0.6	68
8/19/97	0.6	67
8/20/97	0.6	69
8/21/97	0.5	67
8/22/97	0.6	66
8/23/97	0.7	65
8/24/97	0.7	68
8/25/97	0.6	69
8/26/97	0.7	69
8/27/97	1	68
8/28/97	1.1	66
8/29/97	0.6	69
8/30/97	0.8	65
8/31/97	0.7	65
9/1/97	0.9	70
9/2/97	0.5	67
9/3/97	0.6	70
9/4/97	1.4	68
9/5/97	0.8	68
9/6/97	0.7	68
9/7/97	0.7	64
9/8/97	0.9	66
9/9/97	0.9	68
9/10/97	0.8	65
9/11/97	0.8	66
9/12/97	0.7	67
9/13/97	0.7	63
9/14/97	4.3	66
9/15/97	14	64
9/16/97	1.1	63
9/17/97	57.5	66
9/18/97	11.3	61
9/19/97	4.6	61
9/20/97	3	62
9/21/97	3	62
9/22/97	1.1	67
9/23/97	0.9	66
9/24/97	0.9	67
9/25/97	0.9	66
9/26/97	0.8	66
9/27/97	1	61
9/28/97	0.9	62
9/29/97	0.7	64
9/30/97	0.7	65
10/1/97	0.6	64
10/2/97	36.3	60
10/3/97	7.3	62
10/4/97	6.9	63
10/5/97	2.5	62
10/6/97	1.6	62
10/7/97	1.2	56
10/8/97	1.3	59
10/9/97	6.4	58
10/10/97	75.6	56
10/11/97	17	53
10/12/97	10.5	55

10/13/97	8.1	55
10/14/97	2.4	58
10/15/97	2.1	57
10/16/97	1.8	57
10/17/97	1.4	59
10/18/97	1.1	59
10/19/97	1.1	59
10/20/97	0.9	56
10/21/97	0.9	57
10/22/97	0.9	58
10/23/97	0.7	57
10/24/97	0.9	53
10/25/97	0.8	51
10/26/97	0.9	51
10/27/97	0.6	53
10/28/97	0.9	54
10/29/97	4	58
10/30/97	1.1	58
10/31/97	165.6	59
11/1/97	120.5	58
11/2/97	23.6	55
11/3/97	6.2	55
11/4/97	3.1	54
11/5/97	2.4	54
11/6/97	2.4	58
11/7/97	13	56
11/8/97	23.8	50
11/9/97	6	50
11/10/97	3.3	53
11/11/97	8	54
11/12/97	5.8	50
11/13/97	8.8	53
11/14/97	4.7	54
11/15/97	12.5	52
11/16/97	30.5	51
11/17/97	359	50
11/18/97	66.1	49
11/19/97	34.4	52
11/20/97	66.5	49
11/21/97	60.3	50
11/22/97	34.2	51
11/23/97	30.9	52
11/24/97	60	52
11/25/97	617	50
11/26/97	137.3	52
11/27/97	98.4	51
11/28/97	42.9	52
11/29/97	31	52
11/30/97	154	48
12/1/97	44.3	45
12/2/97	22.8	44
12/3/97	19.5	47
12/4/97	14.5	48
12/5/97	15.5	54
12/6/97	12.8	51
12/7/97	24.9	52
12/8/97	148.9	48

12/9/97	75	45
12/10/97	38.5	44
12/11/97	36.5	44
12/12/97	25.3	44
12/13/97	19.2	44
12/14/97	15	48
12/15/97	216	46
12/16/97	91.2	49
12/17/97	133.4	50
12/18/97	111.4	47
12/19/97	54	43
12/20/97	45	44
12/21/97	67.5	44
12/22/97	45.8	41
12/23/97	24	41
12/24/97	20.5	43
12/25/97	16.2	40
12/26/97	15	39
12/27/97	11.5	40
12/28/97	11.1	40
12/29/97	9.6	41
12/30/97	8.1	42
12/31/97	7.9	45
1/1/98	8.5	46
1/2/98	58.4	48
1/3/98	114.5	47
1/4/98	329	46
1/5/98	91.4	44
1/6/98	51.5	45
1/7/98	68.5	52
1/8/98	59.7	46
1/9/98	51.6	47
1/10/98	63.3	48
1/11/98	110.5	49
1/12/98	458	49
1/13/98	778	48
1/14/98	411	49
1/15/98	804	49
1/16/98	500	50
1/17/98	1750	50
1/18/98	742	51
1/19/98	800	48
1/20/98	450	47
1/21/98	313	47
1/22/98	235	49
1/23/98	232	49
1/24/98	220	49
1/25/98	135.3	48
1/26/98	490	50
1/27/98	589	50
1/28/98	325	50
1/29/98	261	51
1/30/98	301	50
1/31/98	200	49
2/1/98	150	49
2/2/98	257	48
2/3/98	1466	48



2/4/98	424	48
2/5/98	261	48
2/6/98	465	48
2/7/98	377	48
2/8/98	409	47
2/9/98	273	45
2/10/98	200	47
2/11/98	146	46
2/12/98	125	49
2/13/98	138.2	48
2/14/98	133	48
2/15/98	163	47
2/16/98	120	46
2/17/98	94.4	45
2/18/98	99.6	47
2/19/98	153.7	48
2/20/98	270	45
2/21/98	275	47
2/22/98	347	46
2/23/98	190	46
2/24/98	148	46
2/25/98	116	46
2/26/98	94	45
2/27/98	67.5	47
2/28/98	67	49
3/1/98	59	49
3/2/98	67.4	49
3/3/98	74.3	46
3/4/98	54.2	44
3/5/98	44.7	44
3/6/98	45.4	42
3/7/98	40	43
3/8/98	36.8	44
3/9/98	33.4	44
3/10/98	28.6	45
3/11/98	27.9	47
3/12/98	29.8	52
3/13/98	235	50
3/14/98	95.1	49
3/15/98	75.5	50
3/16/98	59.1	52
3/17/98	53.4	49
3/18/98	46.7	48
3/19/98	36.6	49
3/20/98	39.8	52
3/21/98	39.5	52
3/22/98	380	54
3/23/98	863	54
3/24/98	626	52
3/25/98	300	50
3/26/98	206	55
3/27/98	150	49
3/28/98	123	46
3/29/98	99	46
3/30/98	97.9	45
3/31/98	72.4	47
4/1/98	70	47

4/2/98	45.5	51
4/3/98	53	48
4/4/98	58.2	48
4/5/98	50	48
4/6/98	70.4	47
4/7/98	107.6	47
4/8/98	41.8	46
4/9/98	35.6	49
4/10/98	50.2	50
4/11/98	116	49
4/12/98	58.7	47
4/13/98	106	45
4/14/98	70.4	44
4/15/98	48	50
4/16/98	35.8	48
4/17/98	32.6	47
4/18/98	29	50
4/19/98	24	52
4/20/98	25.5	53
4/21/98	21.2	53
4/22/98	21.4	56
4/23/98	22.1	57
4/24/98	57.3	53
4/25/98	31.2	51
4/26/98	20	52
4/27/98	16.9	54
4/28/98	15.4	58
4/29/98	14	59
4/30/98	14	60
5/1/98	14	59
5/2/98	23.3	54
5/3/98	20	54
5/4/98	12	56
5/5/98	17.6	56
5/6/98	14.6	58
5/7/98	13.5	57
5/8/98	10	56
5/9/98	10.1	54
5/10/98	9.5	55
5/11/98	8.3	54
5/12/98	10.1	52
5/13/98	13.8	55
5/14/98	13.2	54
5/15/98	10.2	53
5/16/98	13.5	53
5/17/98	17.5	51
5/18/98	13.5	52
5/19/98	9.7	56
5/20/98	27.3	53
5/21/98	43.8	50
5/22/98	23.9	52
5/23/98	14	57
5/24/98	10.7	57
5/25/98	80.1	53
5/26/98	36.1	51
5/27/98	32.4	50
5/28/98	27.5	53

5/29/98	95.8	51
5/30/98	38.9	53
5/31/98	25.3	55
6/1/98	15.9	60
6/2/98	12	60
6/3/98	13.1	58
6/4/98	11.3	58
6/5/98	9.7	58
6/6/98	8.8	62
6/7/98	7.8	62
6/8/98	7	61
6/9/98	6.9	60
6/10/98	6.3	63
6/11/98	6.4	60
6/12/98	6.6	63
6/13/98	5.7	63
6/14/98	5.5	64
6/15/98	5.5	65
6/16/98	4.1	63
6/17/98	7	63
6/18/98	3.4	65
6/19/98	5.4	64
6/20/98	4.9	64
6/21/98	3.3	65
6/22/98	3.5	65
6/23/98	2.4	63
6/24/98	3.5	64
6/25/98	2.7	64
6/26/98	1.7	61
6/27/98	2	63
6/28/98	2	66
6/29/98	2	66
6/30/98	1.4	63
7/1/98	2	63
7/2/98	1.4	62
7/3/98	2	62
7/4/98	1.9	63
7/5/98	1.6	64
7/6/98	1.5	66
7/7/98	1.7	67
7/8/98	1.2	67
7/9/98	1.3	66
7/10/98	1.1	66
7/11/98	1.3	63
7/12/98	1.3	67
7/13/98	1	67
7/14/98	0.8	66
7/15/98	1	68
7/16/98	0.9	72
7/17/98	1.7	69
7/18/98	1	69
7/19/98	1.3	71
7/20/98	1.4	70
7/21/98	0.8	69
7/22/98	0.9	69
7/23/98	0.8	68
7/24/98	0.8	68

7/25/98	1.2	69
7/26/98	1.1	69
7/27/98	1	69
7/28/98	1.1	68
7/29/98	0.9	67
7/30/98	1	67
7/31/98	1.1	67
8/1/98	0.9	68
8/2/98	0.8	68
8/3/98	1.1	68
8/4/98	0.7	69
8/5/98	0.7	69
8/6/98	0.7	69
8/7/98	0.5	68
8/8/98	0.9	68
8/9/98	0.7	68
8/10/98	0.7	67
8/11/98	0.5	69
8/12/98	0.6	70
8/13/98	0.9	69
8/14/98	0.6	69
8/15/98	0.8	69
8/16/98	0.8	68
8/17/98	0.6	69
8/18/98	0.6	69
8/19/98	0.7	69
8/20/98	0.6	68
8/21/98	0.6	67
8/22/98	0.7	68
8/23/98	0.6	67
8/24/98	0.8	67
8/25/98	0.5	67
8/26/98	0.7	67
8/27/98	0.9	67
8/28/98	0.7	67
8/29/98	0.7	69
8/30/98	0.8	67
8/31/98	0.8	67
9/1/98	0.76	68
9/2/98	0.76	68
9/3/98	0.65	71
9/4/98	0.65	66
9/5/98	0.65	66
9/6/98	0.7	66
9/7/98	0.75	67
9/8/98	0.69	68
9/9/98	0.75	65
9/10/98	0.7	64
9/11/98	0.79	63
9/12/98	0.7	65
9/13/98	0.7	64
9/14/98	0.57	65
9/15/98	0.69	67
9/16/98	0.75	66
9/17/98	0.73	64
9/18/98	0.65	67
9/19/98	0.77	66

9/20/98	0.7	65
9/21/98	0.63	66
9/22/98	0.63	65
9/23/98	0.66	65
9/24/98	0.69	64
9/25/98	0.6	64
9/26/98	0.8	64
9/27/98	0.79	61
9/28/98	0.82	66
9/29/98	0.66	65
9/30/98	0.56	64
10/1/98	0.6	63
10/2/98	2	63
10/3/98	0.9	59
10/4/98	0.8	61
10/5/98	0.7	59
10/6/98	0.7	61
10/7/98	0.6	59
10/8/98	10.6	64
10/9/98	0.8	59
10/10/98	0.9	60
10/11/98	1	57
10/12/98	1	60
10/13/98	8	62
10/14/98	1.4	61
10/15/98	1	59
10/16/98	0.8	55
10/17/98	0.8	55
10/18/98	0.8	59
10/19/98	0.6	57
10/20/98	0.6	57
10/21/98	0.6	57
10/22/98	0.6	58
10/23/98	0.6	57
10/24/98	10.5	60
10/25/98	2.5	60
10/26/98	2.2	58
10/27/98	0.9	60
10/28/98	1.5	60
10/29/98	1	57
10/30/98	0.6	53
10/31/98	0.8	54
11/1/98	2	58
11/2/98	2.1	54
11/3/98	1	58
11/4/98	0.7	59
11/5/98	3.2	59
11/6/98	11.3	56
11/7/98	45.9	55
11/8/98	58	54
11/9/98	23.4	51
11/10/98	14.3	54
11/11/98	13.2	52
11/12/98	26.5	49
11/13/98	11	51
11/14/98	5	51
11/15/98	3.5	57

11/16/98	2.9	57
11/17/98	68.2	55
11/18/98	66.5	54
11/19/98	22	51
11/20/98	10.5	54
11/21/98	900	56
11/22/98	525	55
11/23/98	165	57
11/24/98	385	54
11/25/98	122	55
11/26/98	95	57
11/27/98	110	55
11/28/98	72.5	51
11/29/98	60	52
11/30/98	125.5	54
12/1/98	366	52
12/2/98	348	55
12/3/98	575	53
12/4/98	256	50
12/5/98	101	48
12/6/98	90.4	47
12/7/98	67.1	47
12/8/98	73.5	48
12/9/98	47.6	47
12/10/98	38.3	47
12/11/98	29.5	48
12/12/98	27.7	52
12/13/98	37.7	53
12/14/98	72	49
12/15/98	29.5	47
12/16/98	22.3	46
12/17/98	21.5	48
12/18/98	16.9	49
12/19/98	14	43
12/20/98	13.8	42
12/21/98	12.3	38
12/22/98	10.5	36
12/23/98	8.4	36
12/24/98	6.5	37
12/25/98	7.8	41
12/26/98	9.7	47
12/27/98	15.9	47
12/28/98	10.6	49
12/29/98	10	49
12/30/98	8	47
12/31/98	12.1	50
1/1/99	35.2	47
1/2/99	13.3	44
1/3/99	8.5	44
1/4/99	8.3	45
1/5/99	7	45
1/6/99	9.2	47
1/7/99	9.4	45
1/8/99	8.5	46
1/9/99	6	43
1/10/99	4.9	42
1/11/99	4.3	45

1/12/99	3.9	47
1/13/99	3.8	49
1/14/99	3.4	50
1/15/99	108	52
1/16/99	115.4	52
1/17/99	54	53
1/18/99	532	53
1/19/99	111.5	52
1/20/99	136.9	52
1/21/99	242	51
1/22/99	137	51
1/23/99	295	50
1/24/99	161	46
1/25/99	115.3	45
1/26/99	67.7	47
1/27/99	45.1	45
1/28/99	37.4	46
1/29/99	26.7	48
1/30/99	24.1	49
1/31/99	18	49
2/1/99	22.3	44
2/2/99	14.3	44
2/3/99	13.9	50
2/4/99	17.1	49
2/5/99	16.9	45
2/6/99	21.1	48
2/7/99	330	51
2/8/99	331	48
2/9/99	356	47
2/10/99	160.1	45
2/11/99	95	44
2/12/99	67.6	46
2/13/99	75.6	49
2/14/99	90.2	48
2/15/99	53.6	47
2/16/99	59.5	49
2/17/99	520	50
2/18/99	171	51
2/19/99	312	48
2/20/99	96	48
2/21/99	127	48
2/22/99	90.8	49
2/23/99	160.4	51
2/24/99	150.4	52
2/25/99	306	49
2/26/99	145.4	48
2/27/99	105	50
2/28/99	186	52
3/1/99	373	50
3/2/99	169	49
3/3/99	152	51
3/4/99	93.5	48
3/5/99	80.5	46
3/6/99	59.7	46
3/7/99	49.1	46
3/8/99	44.5	48
3/9/99	71.7	46

3/10/99	38.5	46
3/11/99	37	46
3/12/99	36	46
3/13/99	27	48
3/14/99	40.3	48
3/15/99	64.2	46
3/16/99	40.4	44
3/17/99	28.3	46
3/18/99	27.9	46
3/19/99	27.9	46
3/20/99	24.1	48
3/21/99	35	47
3/22/99	26.2	48
3/23/99	30.4	46
3/24/99	47.8	48
3/25/99	128.5	46
3/26/99	86	46
3/27/99	68.9	48
3/28/99	49.4	45
3/29/99	36.4	47
3/30/99	39.3	44
3/31/99	84.5	41
4/1/99	56.6	42
4/2/99	36.9	43
4/3/99	27.5	44
4/4/99	23	41
4/5/99	27.1	44
4/6/99	28.7	42
4/7/99	23.9	44
4/8/99	29.5	44
4/9/99	35.7	42
4/10/99	25	44
4/11/99	81	43
4/12/99	54.5	46
4/13/99	59.4	48
4/14/99	50.4	47
4/15/99	46.3	49
4/16/99	46.3	50
4/17/99	39.8	51
4/18/99	31.5	53
4/19/99	30.9	51
4/20/99	24.6	51
4/21/99	17.2	48
4/22/99	19.5	47
4/23/99	18.5	47
4/24/99	15.6	49
4/25/99	12.4	53
4/26/99	12.1	51
4/27/99	10.9	47
4/28/99	8.7	45
4/29/99	10.1	46
4/30/99	8.6	48
5/1/99	8.8	52
5/2/99	8.7	50
5/3/99	73	48
5/4/99	51.2	46
5/5/99	22	45



5/6/99	17	48
5/7/99	13.2	47
5/8/99	10.1	47
5/9/99	8.2	46
5/10/99	5.7	48
5/11/99	5.4	49
5/12/99	6.8	51
5/13/99	5.5	48
5/14/99	5.1	50
5/15/99	7	47
5/16/99	4.7	49
5/17/99	4.7	52
5/18/99	5	55
5/19/99	4.5	53
5/20/99	5.4	52
5/21/99	3.8	50
5/22/99	4	54
5/23/99	4.5	57
5/24/99	4.1	59
5/25/99	3.7	57
5/26/99	3.2	58
5/27/99	2.6	59
5/28/99	3.5	58
5/29/99	4.5	57
5/30/99	3.3	57
5/31/99	2.7	58
6/1/99	2.3	60
6/2/99	2.2	56
6/3/99	1.9	54
6/4/99	1.8	57
6/5/99	1.9	59
6/6/99	1.9	57
6/7/99	1.4	54
6/8/99	1.3	53
6/15/00	1.2	69.7
6/16/00	1.2	70.5
6/17/00	1.2	69.5
6/18/00	2	68.7
6/19/00	1.4	69.4
6/20/00	0.9	69.7
6/21/00	0.8	69.4
6/22/00	0.7	69.1
6/23/00	0.9	69
6/24/00	1.1	69.8
6/25/00	0.9	69.9
6/26/00	0.8	70.9
6/27/00	0.7	72.5
6/28/00	0.9	71.1
6/29/00	1	68.5
6/30/00	0.9	68.5
7/1/00	0.8	65.6
7/2/00	1	67.2
7/3/00	0.7	67.7
7/4/00	0.6	67.8
7/5/00	0.6	67.7
7/6/00	0.8	67.8
7/7/00	0.8	65.8

7/8/00	0.9	66.5
7/9/00	0.9	69
7/10/00	1	69.9
7/11/00	0.6	69.1
7/12/00	0.5	68.3
7/13/00	0.5	68.8
7/14/00	0.6	69.5
7/15/00	0.8	70.4
1/12/00	202	45.5
1/13/00	57.9	48.1
1/14/00	253	48.1
1/15/00	287	49.6
1/16/00	447	45.9
1/17/00	205	44.9
1/18/00	106	47.3
1/19/00	67.8	47.9
1/20/00	123	46.2
1/21/00	96.1	46.9
1/22/00	67.9	46.2
1/23/00	45.9	48.1
1/24/00	41.7	48.8
1/25/00	72.2	47.4
1/26/00	61.2	45.2
1/27/00	41.1	43.6
1/28/00	28.6	44.2
1/29/00	27.5	43.4
1/30/00	27.7	45.1
1/31/00	56.6	45.8
2/1/00	216	48
2/2/00	78.8	48.3
2/3/00	58.9	47.1
2/4/00	49.4	48.1
2/5/00	43.4	48
2/6/00	66.7	46.6
2/7/00	33.2	47.1
2/8/00	26.5	48.9
2/9/00	21	49.4
2/10/00	19.1	49.5
2/11/00	17.3	48.1
2/12/00	49.7	47.7
2/13/00	40.2	48
2/14/00	1028	46.9
2/15/00	550	48.1
2/16/00	180	47.9
2/17/00	112.7	47.5
2/18/00	68.2	46.2
2/19/00	49.9	46.4
2/20/00	36.6	49.3
2/21/00	33	49.6
2/22/00	22.6	46.6
2/23/00	78	44.2
2/24/00	48	45
2/25/00	33.6	47.6
2/26/00	38.9	47.5
2/27/00	391	46.9
2/28/00	285	47.3
2/29/00	146	45.7

3/1/00	109	46.9
3/2/00	62.1	46.7
3/3/00	66.1	46.9
3/4/00	54	47.1
3/5/00	79	45.4
3/6/00	49.4	44.9
3/7/00	30.7	44.9
3/8/00	40.3	45
3/9/00	30.9	45.5
3/10/00	41.2	46.4
3/11/00	48.5	46.1
3/12/00	30.9	46.2
3/13/00	26.1	48
3/14/00	23.9	49.5
3/15/00	22.9	50
3/16/00	24.7	48.2
3/17/00	19.6	48.9
3/18/00	16.7	49.5
3/19/00	16.8	48.4
3/20/00	12.3	47.3
3/21/00	12.5	49.3
3/22/00	10.6	50.2
3/23/00	9.5	49.7
3/24/00	9.4	51.1
3/25/00	9.2	48.8
3/26/00	7.8	51.5
3/27/00	6.9	49.4
3/28/00	6.3	49.2
3/29/00	6	50
3/30/00	5	51.3
3/31/00	4.7	54
4/1/00	4.4	56.1
4/2/00	4.4	57.8
4/3/00	3.4	58
4/4/00	4.6	55.5
4/5/00	3.5	56.7
4/6/00	2.3	57.5
4/7/00	2.3	58.4
4/8/00	3.5	55
4/9/00	3.8	55
4/10/00	3.6	58.4
4/11/00	2.4	57.1
4/12/00	2.5	57.1
4/13/00	3.2	57.2
4/14/00	5.2	56
4/15/00	3.6	54.8
4/16/00	7.7	53.7
4/17/00	28.6	51.2
4/18/00	103	51.2
4/19/00	27.2	52.6
4/20/00	13.5	55.4
4/21/00	11.5	54.9
4/22/00	8.2	54.6
4/23/00	7.8	55
4/24/00	5.6	54.6
4/25/00	5.1	53.1
4/26/00	4.5	57

4/27/00	5.9	52.2
4/28/00	19.5	52
4/29/00	8.1	53.8
4/30/00	5.6	56.1
5/1/00	3.9	55.4
5/2/00	3.5	57
5/3/00	3.6	56.1
5/4/00	3.1	56.9
5/5/00	3.1	56.5
5/6/00	5.8	53.6
5/7/00	3	57.1
5/8/00	4.4	56.8
5/9/00	5.8	54.4
5/10/00	28.2	50.6
5/11/00	40	51.4
5/12/00	17.3	51.8
5/13/00	11.8	53.3
5/14/00	8	53.3
6/9/99	1.4	52
6/10/99	1.2	56
6/11/99	1	55
6/12/99	1.6	61
6/13/99	1.4	62
6/14/99	1.3	64
6/15/99	1	62
6/16/99	0.9	62
6/17/99	1.1	61
6/18/99	1.1	61
6/19/99	1.1	61
6/20/99	1	61
6/21/99	1.1	62
6/22/99	0.8	64
6/23/99	1	64
6/24/99	0.9	65
6/25/99	0.8	61
6/26/99	1	61
6/27/99	1	60
6/28/99	0.8	61
6/29/99	0.7	63
6/30/99	0.8	64
7/1/99	0.8	66
7/2/99	0.8	62
7/3/99	1	60
7/4/99	1	60
7/5/99	0.8	61
7/6/99	0.6	64
7/7/99	0.8	62
7/8/99	0.8	62
7/9/99	1.3	64
7/10/99	1	65
7/11/99	1	64
7/12/99	0.9	64
7/13/99	1	65
7/14/99	0.8	64
7/15/99	0.9	62
7/16/99	0.8	64
7/17/99	0.9	63

7/18/99	0.9	64
7/19/99	0.9	65
7/20/99	0.7	63
7/21/99	0.7	63
7/22/99	0.6	63
7/23/99	0.6	64
7/24/99	0.7	64
7/25/99	0.7	63
7/26/99	0.7	64
7/27/99	0.6	64
7/28/99	0.6	63
7/29/99	0.6	63
7/30/99	0.6	62
7/31/99	0.7	63
8/1/99	0.8	64
8/2/99	0.6	62
8/3/99	0.7	64
8/4/99	0.7	66
8/5/99	0.7	65
8/6/99	0.7	64
8/7/99	0.7	64
8/8/99	0.7	63
8/9/99	0.5	64
8/10/99	0.6	63
8/11/99	0.5	65
8/12/99	0.6	64
8/13/99	0.5	64
8/14/99	0.6	62
8/15/99	0.7	63
8/16/99	0.7	64
8/17/99	0.7	66
8/18/99	0.7	66
8/19/99	0.6	65
8/20/99	0.6	64
8/21/99	0.6	66
8/22/99	0.6	66
8/23/99	0.4	65
8/24/99	0.5	66
8/25/99	0.4	66
8/26/99	0.4	66
8/27/99	0.5	67
8/28/99	0.6	65
8/29/99	0.6	66
8/30/99	0.5	66
8/31/99	0.4	60
9/1/99	0.5	60
9/2/99	0.5	60
9/3/99	0.6	60
9/4/99	0.6	61
9/5/99	0.5	62
9/6/99	0.7	64
9/7/99	0.6	61
9/8/99	0.6	63
9/9/99	0.5	63
9/10/99	0.5	61
9/11/99	0.5	60
9/12/99	0.6	62

9/13/99	0.6	63
9/14/99	0.7	63
9/15/99	0.7	61
9/16/99	0.8	61
9/17/99	0.6	61
9/18/99	0.6	61
9/19/99	0.5	61
9/20/99	0.5	61
9/21/99	0.5	61
9/22/99	0.6	60
9/23/99	0.5	61
9/24/99	0.4	61
9/25/99	0.6	58
9/26/99	0.8	57
9/27/99	0.8	56
9/28/99	0.5	55
9/29/99	0.5	55
9/30/99	0.5	56
10/1/99	0.6	55
10/2/99	0.5	56
10/3/99	0.5	58
10/4/99	0.5	58
10/5/99	0.4	60
10/6/99	0.8	59
10/7/99	0.6	59
10/8/99	0.6	57
10/9/99	0.5	60
10/10/99	0.6	57
10/11/99	0.5	57
10/12/99	0.4	55
10/13/99	0.6	55
10/14/99	0.5	58
10/15/99	0.5	54
10/16/99	0.7	51
10/17/99	0.5	52
10/18/99	0.5	51
10/19/99	0.6	53
10/20/99	0.4	54
10/21/99	0.7	52
10/22/99	0.5	53
10/23/99	0.5	55
10/24/99	0.6	53
10/25/99	0.7	53
10/26/99	0.6	58
10/27/99	0.7	57
10/28/99	4.6	57
10/29/99	2.8	52
10/30/99	3	52
10/31/99	1	52
11/1/99	0.8	53
11/2/99	0.6	52
11/3/99	0.7	55
11/4/99	0.9	55
11/5/99	0.8	56
11/6/99	0.7	55
11/7/99	0.8	55
11/8/99	0.8	55

11/9/99	1.3	55
11/10/99	32	55
11/11/99	9.8	61
11/12/99	7.4	58
11/13/99	1.9	55
11/14/99	1	54
11/15/99	0.9	55
11/16/99	4.2	56
11/17/99	23	53
11/18/99	21.3	50
11/19/99	4.7	52
11/20/99	180	51
11/21/99	29.5	50
11/22/99	18.7	46
11/23/99	8.3	49
11/24/99	5.9	49
11/25/99	3.9	51
11/26/99	2.5	52
11/27/99	6.7	53
11/28/99	3.8	50
11/29/99	2.2	52
11/30/99	94	49
12/1/99	101	48
12/2/99	43	49
12/3/99	60	45
12/4/99	20	43
12/5/99	12.5	47
12/6/99	9.1	47
12/7/99	20.2	48
12/8/99	35	45
12/9/99	28.2	45
12/10/99	55.8	44
12/11/99	16.1	44
12/12/99	10.5	45
12/13/99	56.5	44
12/14/99	26.2	42
12/15/99	13.9	44
12/16/99	9.3	43
12/17/99	6.6	44
12/18/99	6.9	47
12/19/99	6.7	46
12/20/99	7.3	44
12/21/99	5	43
12/22/99	4	43
12/23/99	4.3	42
12/24/99	3.3	43
12/25/99	2.7	43
12/26/99	2.1	41
12/27/99	2.4	42
12/28/99	2	39
12/29/99	2	42
12/30/99	1.9	44
12/31/99	1.9	45
1/1/00	2	43.6
1/2/00	2.74	45.5
1/3/00	3	45.5
1/4/00	23.8	43.9

1/5/00	17.1	41.5
1/6/00	6.5	44.2
1/7/00	3.7	45.9
1/8/00	3.9	46.4
1/9/00	2.6	47.5
1/10/00	5.1	49
1/11/00	1840	45.9
5/15/00	20.4	52.6
5/16/00	13.4	52.9
5/17/00	10.4	57.1
5/18/00	7.3	60.3
5/19/00	5.6	62.8
5/20/00	4.3	63.3
5/21/00	4.3	65.2
5/22/00	3	65.7
5/23/00	2.6	66.1
5/24/00	2.9	63.8
5/25/00	1.9	65
5/26/00	2.2	63.3
5/27/00	2.1	62.3
5/28/00	2.4	62.2
5/29/00	2.2	61.8
5/30/00	2.2	60.5
5/31/00	1.4	63.4
6/1/00	1.4	64.1
6/2/00	1.3	65.4
6/3/00	2.4	65.6
6/4/00	2.3	63.7
6/5/00	1.4	62.9
6/6/00	0.8	64.4
6/7/00	1	61.4
6/8/00	1.5	61.4
6/9/00	1.3	60
6/10/00	1.8	61.4
6/11/00	2	62.3
6/12/00	1.2	61.9
6/13/00	3.6	66.6
6/14/00	2.1	71
7/16/00	0.8	67.5
7/17/00	0.5	65
7/18/00	0.5	66.2
7/19/00	0.7	69
7/20/00	1	69.1
7/21/00	1	66.1
7/22/00	0.9	69.2
7/23/00	0.9	70.5
7/24/00	0.5	68.8
7/25/00	0.7	70.3
7/26/00	0.7	70.3
7/27/00	0.7	72.3
7/28/00	0.6	72.8
7/29/00	1	72.2
7/30/00	0.7	73.3
7/31/00	0.6	71.3
8/1/00	0.6	71.3
8/2/00	0.8	71.1
8/3/00	0.7	70.6



8/4/00	0.5	70.2
8/5/00	0.6	67.4
8/6/00	0.6	66.7
8/7/00	0.6	68.7
8/8/00	0.7	68.7
8/9/00	0.5	68.3
8/10/00	0.6	67.6
8/11/00	0.6	69.3
8/12/00	0.7	69
8/13/00	0.7	69.3
8/14/00	0.7	68.8
8/15/00	0.5	69.2
9/16/00	0.7	68.8
9/17/00	0.7	69.8
9/18/00	0.4	71.6
9/19/00	0.6	70.9
9/20/00	0.7	69.5
9/21/00	0.6	67.1
9/22/00	0.6	66.4
9/23/00	0.6	66.2
9/24/00	0.6	658.2
9/25/00	0.6	65.7
9/26/00	0.6	65.3
9/27/00	0.6	65.3
9/28/00	0.7	64.2
9/29/00	0.5	66.6
9/30/00	0.6	68.6
10/1/00	0.7	67.8
10/2/00	0.6	63.3
10/3/00	0.6	63.3
10/4/00	0.5	62.5
10/5/00	0.5	63
10/6/00	0.6	62.5
10/7/00	0.6	61.4
10/8/00	0.6	62.8
10/9/00	0.6	61
10/10/00	1.2	60.9
10/11/00	0.7	61.3
10/12/00	0.6	61.5
10/13/00	0.5	60.9
10/14/00	0.6	60.7
10/15/00	0.6	60
10/16/00	0.6	59.7
10/17/00	0.6	59.8
10/18/00	0.7	60.7
10/19/00	0.7	61.4
10/20/00	0.7	58.4
10/21/00	0.7	56.8
10/22/00	0.7	56.9
10/23/00	0.7	56.1
10/24/00	0.7	57.3
10/25/00	0.7	57.3
10/26/00	0.6	58.9
10/27/00	0.6	58.6
10/28/00	3.3	57.3
10/29/00	2.4	55.4
10/30/00	5.1	53.9

10/31/00	6.3	53.2
11/1/00	2.5	54.9
11/2/00	2	56.5
11/3/00	1.2	57.3
11/4/00	1	54.4
11/5/00	1	55.6
11/6/00	0.6	52.6
11/7/00	0.7	54.5
11/8/00	0.8	53.3
11/9/00	3.9	50.1
11/10/00	0.9	48.3
11/11/00	0.9	47.5
11/12/00	0.9	47.6
11/13/00	0.8	45.5
11/14/00	6.5	47
11/15/00	4.6	46.9
11/16/00	4.1	46.2
8/16/00	0.4	68.4
8/17/00	0.6	69.1
8/18/00	0.7	70.6
8/19/00	0.8	69.8
8/20/00	0.6	70.1
8/21/00	0.7	69.8
8/22/00	0.7	69.8
8/23/00	0.6	66
8/24/00	0.5	68.3
8/25/00	0.6	68.9
8/26/00	0.7	68.3
8/27/00	0.7	68.3
8/28/00	0.4	68.9
8/29/00	0.7	65.5
8/30/00	0.6	66.6
8/31/00	0.5	64.6
9/1/00	0.6	66.7
9/2/00	0.8	67.3
9/3/00	0.6	67.1
9/4/00	0.6	66.8
9/5/00	0.5	67.2
9/6/00	0.6	68.4
9/7/00	0.5	67.1
9/8/00	0.6	66
9/9/00	0.6	66.6
9/10/00	0.8	68.5
9/11/00	0.6	68.5
9/12/00	0.5	69.5
9/13/00	0.6	67.9
9/14/00	0.6	67.6
9/15/00	0.8	71
11/17/00	2	45.3
11/18/00	1	46
11/19/00	1	46.4
11/20/00	0.7	46.8
11/21/00	7.2	48.7
11/22/00	1.1	46.8
11/23/00	1.2	48.3
11/24/00	6.2	47.4
11/25/00	3	48.6

11/26/00	2	50.6
11/27/00	1.1	52
11/28/00	1.1	52.7
11/29/00	61	49.8
11/30/00	33.5	46.9
12/1/00	17.8	46.2
12/2/00	7.5	46.4
12/3/00	4	47.1
12/4/00	3.2	46.2
12/5/00	1.8	45.7
12/6/00	1.6	45.4
12/7/00	1.2	48.9
12/8/00	1	50.3
12/9/00	1.2	49.8
12/10/00	0.9	48.2
12/11/00	1.1	46.8
12/12/00	4.6	46.6
12/13/00	3.9	47.8
12/14/00	42.1	46.3
12/15/00	71.3	44.8
12/16/00	25.2	45
12/17/00	13.9	42.4
12/18/00	10	42.7
12/19/00	6.8	44
12/20/00	3.5	44.9
12/21/00	2.7	46.9
12/22/00	5	45.5
12/23/00	20	45.1
12/24/00	16.5	42.7
12/25/00	9.8	42.1
12/26/00	6.7	42.7
12/27/00	4.3	42
12/28/00	3.3	41.3
12/29/00	2.9	41.1
12/30/00	3.2	41.7
12/31/00	2	43
1/1/01	1.5	43
1/2/01	1.1	42.7
1/3/01	1.1	43.2
1/4/01	1	44
1/5/01	1.2	45.6
1/6/01	1.3	44.6
1/7/01	0.9	45.9
1/8/01	1.4	43.4
1/9/01	22	43.1
1/10/01	27.5	43.6
1/11/01	50	42.1
1/12/01	22.2	43.4
1/13/01	10.6	43
1/14/01	8.1	41.3
1/15/01	6.5	40
1/16/01	4.4	39
1/17/01	2.9	40.7
1/18/01	2.4	43
1/19/01	2.4	43.8
1/20/01	2	45.3
1/21/01	1.8	47.3

1/22/01	1.5	45.9
1/23/01	1.2	46.7
1/24/01	11.7	44.1
1/25/01	21.1	43.7
1/26/01	37.5	43.2
1/27/01	18.7	41.4
1/28/01	10.5	43.7
1/29/01	11.4	42.1
1/30/01	26.3	40.7
1/31/01	9.3	41.5
2/1/01	7.3	44.4
2/2/01	4.9	46.1
2/3/01	5.2	47.3
2/4/01	6.8	47.8
2/5/01	7.6	47.7
2/6/01	5.5	44.3
2/7/01	4.7	41.7
2/8/01	3.5	44.5
2/9/01	2.8	42.1
2/10/01	6.4	42.9
2/11/01	23.6	40.6
2/12/01	16.8	40.4
2/13/01	13.9	41.1
2/14/01	5.5	42.6
2/15/01	3.9	45.1
2/16/01	3.5	49.1
2/17/01	3.3	45.9
2/18/01	165	46
2/19/01	37.5	51.2
2/20/01	32.5	46
2/21/01	108	48.2
2/22/01	148.1	43.4
2/23/01	51.7	44.2
2/24/01	32.1	45.4
2/25/01	25.5	45.1
2/26/01	18	45.5
2/27/01	13.2	46.1
2/28/01	11.3	44.7
3/1/01	8.4	45.1
3/2/01	9.3	44.1
3/3/01	14.1	43.8
3/4/01	9.4	45.5
3/5/01	192.1	45.4
3/6/01	44.8	49
3/7/01	29.3	48.5
3/8/01	24	47.8
3/9/01	20.3	45.2
3/10/01	14.5	46
3/11/01	10.5	47
3/12/01	0.66	49.2
3/13/01	8.9	49.8
3/14/01	6.1	48.7
3/15/01	5.6	47.8
3/16/01	5	49.3
3/17/01	4.7	50.3
3/18/01	4.7	52.5
3/19/01	4.4	53.5

3/20/01	4.1	52.5
3/21/01	4.2	54.5
3/22/01	5.1	52.7
3/23/01	4.3	52.7
3/24/01	3.7	53.8
3/25/01	48.5	49.5
3/26/01	24	50.1
3/27/01	9.4	51
3/28/01	8.4	52.6
3/29/01	9.6	53.8
3/30/01	5.7	55.2
3/31/01	3.8	55

DateCollected	SampleID	Sampler	SampleLocation	TestingLaboratory	SampleNotes	Constituent	Result	Units	ResultNotes
4/4/00	00-04-132-02A	Ron Russell	River	North Coast Laboratories		Coliform	>23 present	mpn	
4/4/00	00-04-132-02A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	16.1 present	mpn	
5/4/00	00-05-197-02A	Ron Russell	River	North Coast Laboratories		Coliform	>23	mpn	
5/4/00	00-05-197-02A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	23.0	mpn	
6/7/00	00-06-301-02A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	23.0 Present	mpn	
6/7/00	00-06-301-02A	Ron Russell	River	North Coast Laboratories		Coliform	>23.0 Present	mpn	
1/4/00	0001149-05A	Ron Russell	River	North Coast Laboratories		Coliform	>23.0 present	mpn	
1/4/00	0001149-05A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	>23.0 present	mpn	
3/2/00	0003203-03A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	>23 present	mpn	
3/2/00	0003203-03A	Ron Russell	River	North Coast Laboratories		Coliform	>23 present	mpn	
3/6/00	20000270	Ron Russell	River	CH Diagnostic		Cryptosporidium	0	Cysts/100L	
3/6/00	20000270	Ron Russell	River	CH Diagnostic		Giardia	0	Oocysts/100L	
1/27/97	9701577-01A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	>23.0 present	mpn	
1/27/97	9701577-01A	Ron Russell	River	North Coast Laboratories		Coliform	>23.0 present	mpn	
6/16/97	970262	Ron Russell	River	CH Diagnostic		Giardia	1	Oocysts/100L	
6/16/97	970262	Ron Russell	River	CH Diagnostic		Cryptosporidium	ND	Cysts/100L	detection limit < 14
5/19/97	9705391-01A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0	mpn	
5/19/97	9705391-01A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	5.1	mpn	
9/23/97	970563	Harold Shamp	River	CH Diagnostic		Cryptosporidium	ND	Cysts/100L	detection limit < 11
9/23/97	970563	Harold Shamp	River	CH Diagnostic		Giardia	11	Oocysts/100L	
6/3/97	9706035-05A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
6/3/97	9706035-05A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	16.1 present	mpn	
8/7/97	9708102-05A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	12.0 present	mpn	
8/7/97	9708102-05A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
9/3/97	9709051-02A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	5.1 present	mpn	
9/3/97	9709051-02A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
10/7/97	9710255-05A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	12.0 present	mpn	
10/7/97	9710255-05A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
11/4/97	9711048-02A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	23.0 present	mpn	
11/4/97	9711048-02A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
12/3/97	9712075-05A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	23.0 present	mpn	
12/3/97	9712075-05A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
1/7/98	9801106-01A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
1/7/98	9801106-01A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	> 23.0 present	mpn	
12/7/98	9801114	Ron Russell	River	CH Diagnostic		Giardia	0	Oocysts/100L	
12/7/98	9801114	Ron Russell	River	CH Diagnostic		Cryptosporidium	0	Cysts/100L	
1/20/98	9801385-01A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	>23.0 present	mpn	
1/20/98	9801385-01A	Ron Russell	River	North Coast Laboratories		Coliform	>23.0 present	mpn	
2/4/98	9802054-04A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	23.0 present	mpn	
2/4/98	9802054-04A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
3/3/98	9803111-01A	Ron Russell	River	North Coast Laboratories		Coliform	>23.0 present	mpn	
3/3/98	9803111-01A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	23.0 present	mpn	
4/7/98	9804153-02A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	>23.0 present	mpn	
4/7/98	9804153-02A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
6/2/98	980465	Ron Russell	River	CH Diagnostic		Giardia	ND	Oocysts/100L	
6/2/98	980465	Ron Russell	River	CH Diagnostic		Cryptosporidium	ND	Cysts/100L	
5/5/98	9805100-05A	Ron Russell	River	North Coast Laboratories		Coliform	> 23.0 present	mpn	
5/5/98	9805100-05A	Ron Russell	River	North Coast Laboratories		E. coli/Fecal Coliform	> 23.0 present	mpn	

6/2/98	9806193-01A	Ron Russell	River	North Coast Laboratories	Coliform	> 23.0 present	mpn	
6/2/98	9806193-01A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	23.0 present	mpn	
7/2/98	9807137-04A	Ron Russell	River	North Coast Laboratories	Coliform	> 23.0 present	mpn	
7/2/98	9807137-04A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	5.1 present	mpn	
9/8/98	980832	Ron Russell	River	CH Diagnostic	Giardia	0	Oocysts/100L	
9/8/98	980832	Ron Russell	River	CH Diagnostic	Cryptosporidium	0	Cysts/100L	
9/2/98	9809087-01A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	present 2.2	mpn	Special
9/2/98	9809087-01A	Ron Russell	River	North Coast Laboratories	Coliform	present > 23.0	mpn	Special
10/12/98	9810267-05A	Ron Russell	River	North Coast Laboratories	Coliform	> 23.0 present	mpn	
10/12/98	9810267-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	> 23.0 present	mpn	
11/3/98	9811146-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	23.0 present	mpn	
11/3/98	9811146-05A	Ron Russell	River	North Coast Laboratories	Coliform	> 23.0 present	mpn	
11/23/98	9811602-06A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	> 23.0 present	mpn	
11/23/98	9811602-06A	Ron Russell	River	North Coast Laboratories	Coliform	> 23.0 present	mpn	
12/2/98	9812190-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	>23.0 present	mpn	
12/2/98	9812190-05A	Ron Russell	River	North Coast Laboratories	Coliform	> 23.0 present	mpn	
8/9/99	9900891	Ron Russell	River	CH Diagnostic	Giardia	0	Oocysts/100L	
8/9/99	9900891	Ron Russell	River	CH Diagnostic	Cryptosporidium	0	Cysts/100L	
12/6/99	9901465	Ron Russell	River	North Coast Laboratories	Giardia	0	Oocysts/100L	
12/6/99	9901465	Ron Russell	River	North Coast Laboratories	Cryptosporidium	0	Cysts/100L	
2/2/99	9902091-05A	Ron Russell	River	North Coast Laboratories	Coliform	>23.0 present	mpn	
2/2/99	9902091-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	2.2 present	mpn	
3/2/99	9903152-01A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	9.2 present	mpn	
3/2/99	9903152-01A	Ron Russell	River	North Coast Laboratories	Coliform	> 23.0 present	mpn	
4/5/99	9904142-05A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	present	mpn	
4/5/99	9904142-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	present	mpn	
5/4/99	9905132-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	>23.0 present	mpn	
5/4/99	9905132-05A	Ron Russell	River	North Coast Laboratories	Coliform	>23.0 present	mpn	
6/3/99	9906151-05a	Ron Russell	River	North Coast Laboratories	Coliform	> 23.0 Present	mpn	
6/3/99	9906151-05a	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	12.0 Present	mpn	
7/7/99	9907187-05A	Ron Russell	River	North Coast Laboratories	Coliform	>23 present	mpn	
7/7/99	9907187-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	5.1 present	mpn	
8/9/99	9908287-05A	Ron Russell	River	North Coast Laboratories	Coliform	> 23.0	mpn	
8/9/99	9908287-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	6.9	mpn	
9/2/99	9909137-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	12.0 present	mpn	
9/2/99	9909137-05A	Ron Russell	River	North Coast Laboratories	Coliform	>23.0 present	mpn	
10/6/99	9910193-01A	Ron Russell	River	North Coast Laboratories	Coliform	>23/0 present	mpn	
10/6/99	9910193-01A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	>23/0 present	mpn	
11/9/99	9911489-03A	Ron Russell	River	North Coast Laboratories	Coliform	>23.0 present	mpn	
11/9/99	9911489-03A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	>23.0 present	mpn	
12/8/99	9912319-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	>23 present	mpn	
12/8/99	9912319-05A	Ron Russell	River	North Coast Laboratories	Coliform	>23 present	mpn	
3/2/99	9940104	Ron Russell	River	CH Diagnostic	Cryptosporidium	ND	Cysts/100L	
3/2/99	9940104	Ron Russell	River	CH Diagnostic	Giardia	ND	Oocysts/100L	
7/5/00	00-07-236-05A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23.0	mpn	
7/5/00	00-07-236-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	12.0	mpn	
8/2/00	00-08-142-01A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23.0	mpn	
8/2/00	00-08-142-01A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	5.1	mpn	
9/6/00	00-09-329-04A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23.0	mpn	

9/6/00	00-09-329-04A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	12.0	mpn
10/10/00	00-10-330-05A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23.0	mpn
10/10/00	00-10-330-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	>23.0	mpn
11/7/00	00-11-341-05A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23.0	mpn
11/7/00	00-11-341-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	12.0	mpn
12/11/00	0012432-03A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23	mpn
12/11/00	0012432-03A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	23	mpn
1/3/01	01-01-210-02A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23	mpn
1/3/01	01-01-210-02A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	9.2	mpn
2/6/01	01-02-269-02A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23	mpn
2/6/01	01-02-269-02A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	6.9	mpn
3/7/01	0103488-03A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23	mpn
3/7/01	0103488-03A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	12.0	mpn
4/2/01	0104153-05A	Ron Russell	River	North Coast Laboratories	Coliform - P/A	>23.0	mpn
4/2/01	0104153-05A	Ron Russell	River	North Coast Laboratories	E. coli/Fecal Coliform	>23.0	mpn