



# Jackson County Health Department

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## GRAND RIVER WATERSHED INITIATIVE WATER QUALITY REPORT October 24, 2002

### *Project Description*

Data collected from water sampling will be utilized in the development of the Grand River Watershed Management Plan. This plan is envisioned to better manage the watershed in a sustainable, equitable, and cost-effective manner in order to ensure compliance with water quality criteria and achieve the goals of NPDES Phase II storm water regulations. Over the course of four months, (May through August) water quality samples were taken on a weekly basis for E. coli from 2 sites in Ingham County, one site in Eaton County, one site in Hillsdale County and eight sites in Jackson County.

Sample locations were chosen in an attempt to measure the effect of large tributaries upon the main branch of the Grand River. Sites are located at or near the confluences of the tributaries and the main branch, villages, as well as the upper stretches of the tributaries.

### *Sampling Procedures*

Matrix: Surface Water

Analyte: Bacteriological sampling for E. coli

#### **1. Equipment needed**

- a. MDEQ Drinking Water Laboratory sterile sample bottles # 30/ D & A sterile bottles
- b. Workshop produced sample bottle holder
- c. Large capacity cooler with ice for preservation
- d. Latex gloves
- e. Antiseptic towelettes / distilled water

An Equal Opportunity Employer

**Accounting**  
788-4487

**Environmental Health Division**  
788-4433

**Health Education**  
788-4655

**Personal & Preventative Health**  
788-4412

- f. MDEQ sample forms/D & A sample forms
- g. Field log book

## 2. Sampling procedures

- a. sample bottles shall be labeled as follows:
  - site location
  - date
  - bottle ID number
  - stream placement ( i.e. Left, middle, right, up, facing downstream )
- b. field log book shall contain the following information:
  - weather conditions
  - any other unusual conditions at the sample site
  - sample collector name
  - date
  - time of collection
  - site location
  - bottle ID number
  - analyte tested for
- c. observe safety procedures concerning parking, bridge safety, traffic, reflective vests, and use of hazard blinkers
- d. sample collector shall wear fresh pair of latex gloves with each sample taken
- e. if only single grab sample is called for (small tributary), take it from the center of the flow and at mid depth where the greatest mixing occurs.
- f. if a sample set is called for (main branches of Grand River); take three samples at equal distance across the flow at mid depth. Label these samples as left, middle, and right as one looks downstream
- g. where possible, use the ICHD manufactured stainless steel stream sampler for collecting samples from bridge crossings. To avoid obtaining floatables, the sampler should be suspended 12 inches above the water surface and plunged through the surface so that the mouth of the sample container ends up at mid depth.
- h. Wash the stainless steel sampler in the stream prior to placing a sample bottle in the holder.
- I. Remove the sterilized cellophane bottle wrap after the bottle has been placed in the sample collector. Recap the bottle prior to removing from the sampler.

- j. Sample forms must be filled out clearly. Good penmanship is important to minimize any lost samples due to an inability to read forms by lab personnel.
- k. Once samples are obtained, place them in an insulated cooler with ice. Transport the samples to the D & A Environmental laboratory within 6 hours of the first sample obtained.
- l. Do not eat or drink while collecting samples.
- m. Refer to chapter 4 of MDEQ field sampling procedures for further details

Grand River Watershed Sample Sites

Site Name	Site Code	E.Coli	Comments
Sharp/Grand Confluent	A-1, A-2, A-3	Weekly	Collected May-August 2002
Michigan Center Confluent	B-1, B-2, B-3	Weekly	Same
Portage Confluent	C-1, C-2, C-3	Weekly	Same
Sandstone Confluent	D-1, D-2, D-3	Weekly	Same
Springbrook Confluent	E-1, E-2, E-3(Eaton Co)	Weekly	Same
Rives Village	F-1, F-2, F-3	Weekly	Same
Batese/Portage Confluent	G-1, G-2, G-3	Weekly	Same
Portage drain	H-1, H-2, H-3	Weekly	Same
Summerset/Lk Leann	I-1, I-2, I-3 (Hillsdale Co)	Weekly	Same
McCreehy Confluent	J-1, J-2, J-3	Weekly	Same
Leslie Village	K-1, K-2, K-3(Ingham Co)	Weekly	Same
Diamondale Village	L-1, L-2, L-3 (Ingham)	Weekly	Same

Sample collection and delivery to the respective laboratories was coordinated between the two County Health Departments. The results are as follows:

<b>Site Code</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>	<b>Results (Ecoli)</b>
A-1	5/22/02 11am	5/22/02 2:30pm	34
	5/30/02 12pm	5/30/02 1:45pm	70
	6/03/02	06/03/02	92
	06/12/02	06/12/02	196
	06/17/02	06/17/02	150
	06/24/02	06/24/02	142
	07/01/02	07/01/02	506
	07/08/02	07/08/02	500
	07/15/02	07/15/02	340
	07/22/02	07/22/02	240
	07/29/02	07/29/02	480
	08/05/02	08/05/02	440
	08/12/02	08/12/02	160
	08/19/02	08/19/02	280
	08/27/02	08/27/02	180
A-2	5/22/02 10:55 am	5/22/02 2:30pm	54
	5/30/02	5/30/02	22
	06/03/02	06/03/02	42
	06/12/02	06/12/02	68
	06/17/02	06/17/02	50
	06/24/02	06/24/02	64
	07/01/02	07/01/02	286
	07/08/02	07/08/02	82
	07/15/02	07/15/02	94
	07/22/02	07/22/02	92
	07/29/02	07/29/02	360
	08/05/02	08/05/02	200
	08/12/02	08/12/02	128
	08/19/02	08/19/02	242
	08/27/02	08/27/02	240
A-3	5/22/02 11:15am	5/22/02 2:30pm	0
	5/30/03	5/30/02	4
	06/03/02	06/03/02	2
	06/12/02	06/12/02	4

	06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	2 0 30 204 6 0 48 12 6 2 8
B-1	5/22/02 11:50am 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	5/22/02 2:30pm 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	3 22 no sample 32 62 32 132 168 136 88 92 220 44 44 27
B-2	5/22/02 11:36am 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02	5/22/02 2:30pm 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02	50 26 40 70 86 92 264 240 220 240

	07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	108 680 136 124 162
B-3	5/22/02 11:40am 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	5/22/02 2:30pm 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	44 48 32 36 114 33 108 128 360 106 144 280 52 58 64
C-1	5/22/02 12:52pm 5/29/02 06/05/02 06/10/02 06/19/02 06/24/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/19/02 08/29/02	5/22/02 2:30pm 5/29/02 06/05/02 06/10/02 06/19/02 06/24/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/19/02 08/29/02	30 46 50 16 160 128 162 260 78 60 No sample 240 180 68 122
C-2	5/22/02 12:45pm	5/22/02 2:30pm	38

	5/29/02 06/05/02 06/10/02 06/19/02 06/24/02 07/03/02 07/10/02 07/17/02 07/24/02 07/24/02 08/07/02 08/14/02 08/21/02 08/21/02 08/29/02	5/29/02 06/05/02 06/10/02 06/19/02 06/24/02 07/03/02 07/10/02 07/17/02 07/24/02 07/24/02 08/07/02 08/14/02 08/21/02 08/21/02 08/29/02	64 52 70 512 124 180 88 62 84 No sample 64 480 200 State sample 102 State sample 66
C-3	5/22/02 1pm 5/29/02 06/05/02 06/10/02 06/19/02 06/24/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/14/02 08/14/02 08/21/02 08/29/02	5/22/02 2:30pm 5/29/02 06/05/02 06/10/02 06/19/02 06/24/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/15/02 08/15/02 08/21/02 08/29/02	30 84 56 26 96 116 234 400 88 38 No sample 60 220 6000 State sample 120 64 82
D-1	5/24/02 11:45am 5/29/02 06/07/02 06/10/02	5/24/02 12:30pm 5/29/02 06/07/02 06/10/02	24 Grab sample 44 36 66

	06/19/02	06/19/02	136
	06/26/02	06/26/02	122
	07/03/02	07/03/02	144
	07/10/02	07/10/02	760
	07/17/02	07/17/02	98
	07/24/02	07/24/02	100
	07/29/02	07/29/02	No Sample
	08/07/02	08/07/02	88
	08/14/02	08/14/02	128
	08/14/02	08/15/02	240
	08/21/02	08/21/02	60
	08/29/02	08/29/02	48
D-2	5/24/02 11:50am	5/24/02 12:30pm	48 Grab sample
	5/29/02	5/29/02	42
	06/07/02	06/07/02	68
	06/10/02	06/10/02	38
	06/19/02	06/19/02	118
	06/26/02	06/26/02	90
	07/03/02	07/03/02	90
	07/10/02	07/10/02	480
	07/17/02	07/17/02	120
	07/24/02	07/24/02	132
	07/29/02	07/29/02	No Sample
	08/07/02	08/07/02	74
	08/14/02	08/14/02	480 State sample
	08/14/02	08/15/02	2000 State sample
	08/21/02	08/21/02	68
	08/29/02	08/29/02	78
D-3	5/24/02 12pm	5/24/02 12:30pm	68 Grab sample
	5/29/02	5/29/02	62
	06/07/02	06/07/02	52
	06/10/02	06/10/02	44
	06/19/02	06/19/02	46
	06/26/02	06/26/02	80
	07/03/02	07/03/02	144
	07/10/02	07/10/02	260



	07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/14/02 08/21/02 08/29/02	07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/15/02 08/21/02 08/29/02	142 86 No sample 32 140 280 48 92
E-1	5/24/02 5/29/02 06/07/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/14/02 08/21/02 08/29/02	5/24/02 5/29/02 06/07/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/15/02 08/21/02 08/29/02	30 10 20 18 30 44 58 72 104 36 No sample 52 120 120 State sample 44 46
E-2	5/24/02 5/29/02 06/07/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02	5/24/02 5/29/02 06/07/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02	14 14 28 18 102 64 80 90 62 76 No sample 62

	08/14/02 08/14/02 08/21/02 08/29/02	08/14/02 08/15/02 08/21/02 08/29/02	48 110 State sample 50 58
E-3	5/24/02 5/29/02 06/07/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 08/07/02 08/14/02 08/14/02 08/14/02 08/21/02 08/29/02	5/24/02 5/29/02 06/07/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 08/07/02 08/14/02 08/15/02 08/15/02 08/21/02 08/29/02	28 30 26 34 56 34 112 42 90 74 90 76 160 800 90 83
F-1	5/24/02 5/29/02 06/05/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/14/02 08/21/02 08/29/02	5/24/02 5/29/02 06/05/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/15/02 08/21/02 08/29/02	122 146 50 64 800 64 720 280 No sample 140 No sample 110 440 1300 State sample 90 46

F-2	5/24/02	5/24/02	98
	5/29/02	5/29/02	46
	06/05/02	06/05/02	36
	06/10/02	06/10/02	20
	06/19/02	06/19/02	256
	06/26/02	06/26/02	76
	07/03/02	07/03/02	144
	07/10/02	07/10/02	720
	07/17/02	07/17/02	280
	07/24/02	07/24/02	116
	07/29/02	07/29/02	No sample
	08/07/02	08/07/02	182
	08/14/02	08/14/02	426
	08/14/02	08/15/02	700 State sample
08/21/02	08/21/02	32	
08/29/02	08/29/02	70	
F-3	5/24/02	5/24/02	82
	5/29/02	5/29/02	78
	06/05/02	06/05/02	40
	06/10/02	06/10/02	294
	06/19/02	06/19/02	448
	06/26/02	06/26/02	416
	07/03/02	07/03/02	576
	07/10/02	07/10/02	280
	07/17/02	07/17/02	560
	07/24/02	07/24/02	234
	07/29/02	07/29/02	No sample
	08/07/02	08/07/02	78
	08/14/02	08/14/02	438
	08/14/02	08/15/02	900 State sample
08/21/02	08/21/02	66	
08/29/02	08/29/02	240	
G-1	5/22/02	5/22/02	20
	5/30/02	5/30/02	16
	06/05/02	06/05/02	54
	06/10/02	06/10/02	120

	06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/14/02 08/21/02 08/29/02 08/29/02	06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/15/02 08/21/02 08/29/02 08/29/02	288 116 432 240 162 144 No sample 160 362 700 92 460 State sample 222
G-2	5/22/02 5/30/02 06/05/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/14/02 08/21/02 08/29/02 08/29/02	5/22/02 5/30/02 06/05/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/15/02 08/21/02 08/29/02 08/29/02	10 40 92 150 352 78 504 420 106 142 No sample 82 244 800 State sample 280 840
G-3	5/22/20 5/30/02 06/05/02 06/10/02 06/19/02 06/26/02	5/22/02 5/30/02 06/05/02 06/10/02 06/19/02 06/26/02	15 42 50 82 224 60

	07/03/02	07/03/02	432
	07/10/02	07/10/02	360
	07/17/02	07/17/02	126
	07/24/02	07/24/02	126
	07/29/02	07/29/02	No sample
	08/07/02	08/07/02	92
	08/14/02	08/14/02	128
	08/21/02	08/21/02	180
	08/29/02	08/29/02	172
H-1	5/22/02	5/22/02	37
	5/29/02	5/29/02	102
	06/05/02	06/05/02	26
	06/10/02	06/10/02	no sample
	06/19/02	06/19/02	544
	06/26/02	06/26/02	598
	07/03/02	07/03/02	342
	07/10/02	07/10/02	180
	07/17/02	07/17/02	480
	07/24/02	07/24/02	242
	07/29/02	07/29/02	No sample
	08/07/02	08/07/02	320
	08/14/02	08/14/02	186
	08/14/02	08/15/02	900 State sample
	08/21/02	08/21/02	86
	08/29/02	08/29/02	198
H-2	5/22/02	5/22/02	62
	5/29/02	5/29/02	122
	06/05/02	06/05/02	248
	06/10/02	06/10/02	536
	06/19/02	06/19/02	192
	06/26/02	06/26/02	234
	07/03/02	07/03/02	160
	07/10/02	07/10/02	188
	07/17/02	07/17/02	320
	07/24/02	07/24/02	170
	07/29/02	07/29/02	No sample

	08/07/02 08/14/02 08/14/02 08/21/02 08/29/02	08/07/02 08/14/02 08/15/02 08/21/02 08/29/02	102 218 800 State sample 186 264
H-3	5/22/02 5/29/02 06/05/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/14/02 08/21/02 08/29/02	5/22/02 5/29/02 06/05/02 06/10/02 06/19/02 06/26/02 07/03/02 07/10/02 07/17/02 07/24/02 07/29/02 08/07/02 08/14/02 08/15/02 08/21/02 08/29/02	112 98 72 516 384 198 120 520 322 128 No sample 96 98 1400 State sample 220 244
I-1	5/22/02 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/10/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	5/22/02 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 Not enough water 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	8 28 122 78 98 312 814 to take sample No sample 360 220 34 740 128 68

I-2	5/22/02 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	5/22/02 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	No sample No sample No sample No sample No sample No sample No sample No sample No sample No sample No sample No sample No sample No sample No sample
I-3	5/22/02 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	5/22/02 5/30/02 06/03/02 06/12/02 06/17/02 06/24/02 07/01/02 07/08/02 07/15/02 07/22/02 07/29/02 08/05/02 08/12/02 08/19/02 08/27/02	4 6 6 12 54 16 18 46 64 116 54 420 64 26 26
J-1	5/22/02 5/30/02 06/03/02 06/17/02 06/24/02 07/01/02	5/22/02 5/30/02 06/03/02 06/17/02 06/24/02 07/01/02	12 14 130 242 1274 682

	07/08/02	07/08/02	1220
	07/15/02	07/15/02	720
	07/22/02	07/22/02	820
	07/29/02	07/29/02	720
	08/05/02	08/05/02	340
	08/12/02	08/12/02	122
	08/19/02	08/19/02	108
	08/27/02	08/27/02	200
J-2	5/22/02	5/22/02	14
	5/30/02	5/30/02	32
	06/03/02	06/03/02	116
	06/12/02	06/12/02	68
	06/17/02	06/17/02	84
	06/24/02	06/24/02	116
	07/01/02	07/01/02	330
	07/08/02	07/08/02	560
	07/15/02	07/15/02	362
	07/22/02	07/22/02	170
	07/29/02	07/29/02	620
	08/05/02	08/05/02	380
	08/12/02	08/12/02	440
	08/19/02	08/19/02	264
	08/27/02	08/27/02	128
J-3	5/22/02	5/22/02	44
	5/30/02	5/30/02	56
	06/03/02	06/03/02	34
	06/12/02	06/12/02	30
	06/17/02	06/17/02	30
	06/24/02	06/24/02	108
	07/01/02	07/01/02	374
	07/08/02	07/08/02	210
	07/15/02	07/15/02	280
	07/22/02	07/22/02	320
	07/29/02	07/29/02	262
	08/05/02	08/05/02	440
	08/12/02	08/12/02	302



	08/19/02	08/19/02	128
	08/27/02	08/27/02	84
K-1	5/24/02	5/24/02	270
	5/29/02	5/29/02	162
	06/05/02	06/05/02	66
	06/10/02	06/10/02	128
	06/19/02	06/19/02	256
	06/24/02	06/24/02	264
	07/03/02	07/03/02	576
	07/10/02	07/10/02	78
	07/17/02	07/17/02	328
	07/24/02	07/24/02	340
	07/29/02	007/29/02	No sample
	08/07/02	08/07/02	620
	08/14/02	08/14/02	282
	08/14/02	08/15/02	900
08/21/02	08/21/02	212	
08/29/02	08/29/02	112	
K-2	5/24/02	5/24/02	206
	5/29/02	5/29/02	360
	06/05/02	06/05/02	66
	06/10/02	06/10/02	232
	06/19/02	06/19/02	768
	06/24/02	06/24/02	88
	07/03/02	07/03/02	396
	07/10/02	07/10/02	84
	07/17/02	07/17/02	252
	07/24/02	07/24/02	108
	07/29/02	07/29/02	No sample
	08/07/02	08/07/02	98
	08/14/02	08/14/02	152
	08/21/02	08/21/02	36
08/29/02	08/29/02	126	
K-3	5/24/02	5/24/02	562
	5/29/02	5/29/02	172
	06/05/02	06/05/02	60

	06/10/02	06/10/02	194
	06/19/02	06/19/02	352
	06/24/02	06/24/02	132
	07/03/02	07/03/02	450
	07/10/02	07/10/02	136
	07/17/02	07/17/02	286
	07/24/02	07/24/02	228
	07/29/02	07/29/02	No sample
	08/07/02	08/07/02	72
	08/14/02	08/14/02	248
	08/21/02	08/21/02	240
	08/29/02	08/29/02	116
L-1	5/24/02	5/24/02	26
	5/29/02	5/29/02	36
	06/05/02	06/05/02	30
	06/10/02	06/10/02	34
	06/19/02	06/19/02	25
	06/26/02	06/26/02	30
	07/03/02	07/03/02	46
	07/10/02	07/10/02	420
	07/17/02	07/17/02	60
	07/24/02	07/24/02	146
	07/29/02	07/29/02	No sample
	08/07/02	08/07/02	74
	08/14/02	08/14/02	34
	08/14/02	08/15/02	100 State sample
	08/21/02	08/21/02	52
	08/29/02	08/29/02	64
L-2	5/24/02	5/24/02	14
	5/29/02	5/29/02	36
	06/05/02	06/05/02	22
	06/10/02	06/10/02	22
	06/19/02	06/19/02	64
	06/26/02	06/26/02	52
	07/03/02	07/03/02	49
	07/10/02	07/10/02	440

	07/17/02	07/17/02	85
	07/24/02	07/24/02	94
	07/29/02	07/29/02	No sample
	08/07/02	08/07/02	76
	08/14/02	08/14/02	24
	08/14/02	08/15/02	120
	08/21/02	08/21/02	92
	08/29/02	08/29/02	86
L-3	5/24/02	5/24/02	36
	5/29/02	5/29/02	108
	06/05/02	06/05/02	18
	06/10/02	06/10/02	32
	06/19/02	06/19/02	30
	06/26/02	06/26/02	104
	07/03/02	07/03/02	96
	07/10/02	07/10/02	426
	07/17/02	07/17/02	62
	07/24/02	07/24/02	84
	07/29/02	07/29/02	No sample
	08/07/02	08/07/02	68
	08/14/02	08/14/02	37
	08/14/02	08/15/02	100 State Sample
	08/21/02	08/21/02	68
	08/29/02	08/29/02	86