located in the northern portion of the main channel of Phillippi Creek. The lowest concentrations of fecal and total coliforms were found in Tributary No. 7 that discharges to Phillippi Creek near Webber Street. A source of contamination was not documented.

4. **Phillippi Creek Longitudinal Study Data, 1996, Sarasota County**

The document provides data results from three sets of ten sampling events obtained during dry and wet seasons: May/June, July and September, 1996. CCI Environmental Services, Inc. collected samples from 40 locations located at 1/3 mile intervals along Phillippi Creek, initiating in Roberts Bay. Water quality monitoring and results were provided for various parameters, including fecal coliform and total nitrogen. An analysis, provided as part of the document, shows that the majority of the creek contains total and fecal coliform concentrations higher than the FDEP Class III water quality standards.

5. **Interoffice Memorandum dated October 24, 1996 addressed to Board of County Commissioners; Robert S. LaSala, Gary S. Comp; Subject: Domestic Wastewater Facility Regulation Activities with Specific Information Regarding Facilities in the Vicinity of Phillippi Creek; Sarasota County Government; J.K. Kimes**

This memorandum describes the regulatory, monitoring and reporting requirements for WWTPs along Phillippi Creek. A review of the disinfection compliance record was conducted by Sarasota County staff for a 13 month period from August 1995 to August 1996. Abnormal events, leading to unauthorized discharge of chlorinated or nonchlorinated effluent by WWTPs located in the Phillippi Creek watershed, were documented during the August 1995 to August 1996 period. Seven water quality samples were collected daily from April 28 to May 2, 1966 (total of five samples) and on June 11 and 18, 1996 at five different locations adjacent to and at the Atlantic Utilities WWTP site, during an abnormal event at the plant. The locations included Phillippi Creek upstream (a few hundred feet) and downstream (Bahia Vista) of the plant; at the plant (canal outside reject pond), the reject pond and stormwater pond. Although the document concludes that WWTPs are not the primary source of contamination, there is not enough data to show that the Atlantic Utilities plant's effluent has not negatively impacted Phillippi Creek. Atlantic Utilities WWTP currently disposes of effluent via a deep well injection system.

6. **A Study on the Presence of Human Viruses in Surface Waters of Sarasota County, Final Report, February 1997, University of South Florida, Department of Marine Science, J.S. Rose and E.K. Lipp**

The study provides information on water quality samples collected from Phillippi Creek and other creeks discharging to Sarasota Bay. A total of 11 sites were studied, representing 6 different watersheds and the open bay. Four sites were located along Phillippi Creek,

DOCUMENT 4

Phillippi Creek Longitudinal Study Data, 1996, Sarasota County Government

AVAILABLE DATA

Three sets of samples containing ten samples in each set were collected during the following periods: May/June, July and August 1996 by CCI Environmental Services, Inc. The samples were taken from 40 locations located at 1/3 mile intervals along Phillippi Creek, beginning in Roberts Bay. Figure 1 provides the sampling locations. Information on the following parameters was provided: date, time, water depth, sample depth, water temperature, pH, dissolved oxygen, salinity, specific conductance, secchi depth, total NO2+NO3, TKN, total nitrogen, fecal coliform and total coliform. An analysis was performed on fecal and total coliform concentrations which documents that the majority of the creek contains total and fecal coliform concentrations higher than FDEP Class III Water Quality Standards. Figure 2 and 3 show the geometric mean fecal coliform concentrations obtained from the creek. The sampling data is provided as Appendix G.

MAJOR OBSERVATIONS

- This data provides the most overall information on the water quality of the creek compared to sampling strategies performed by other organizations.

- Observations made from a detailed analysis of this data are discussed in Section 5.0.

DOCUMENTED SOURCES OF CONTAMINATION

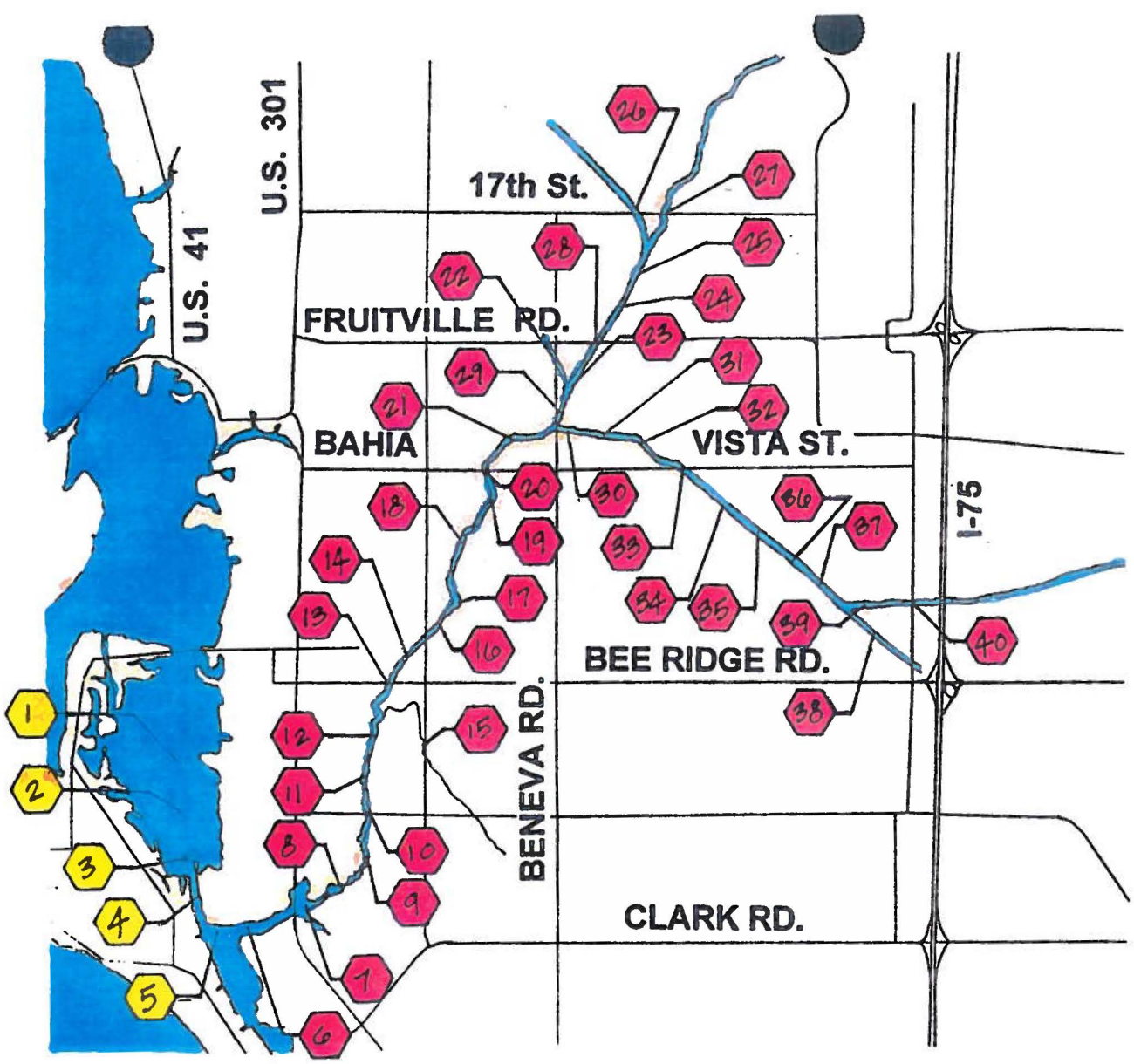
There are no documented sources of contamination as the study only provides limited analysis of the data.

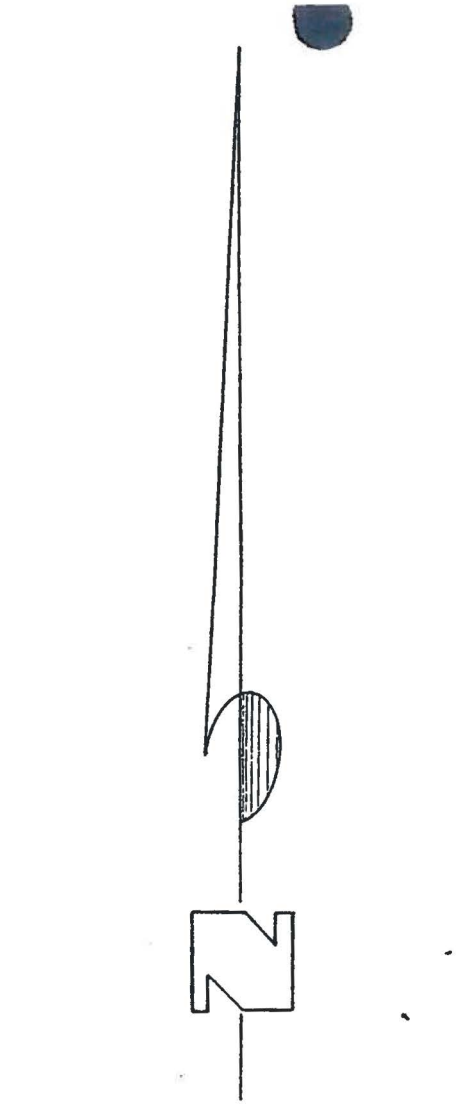
DATA GAPS

Flow data was not obtained at the time of sampling. Samples provide information on the water quality of the creek, not on sources of contamination.

DETERMINATION

The data is conclusive in identifying fecal contamination throughout the creek, but do not pinpoint locations where point and non-point sources discharge contamination to the creek.



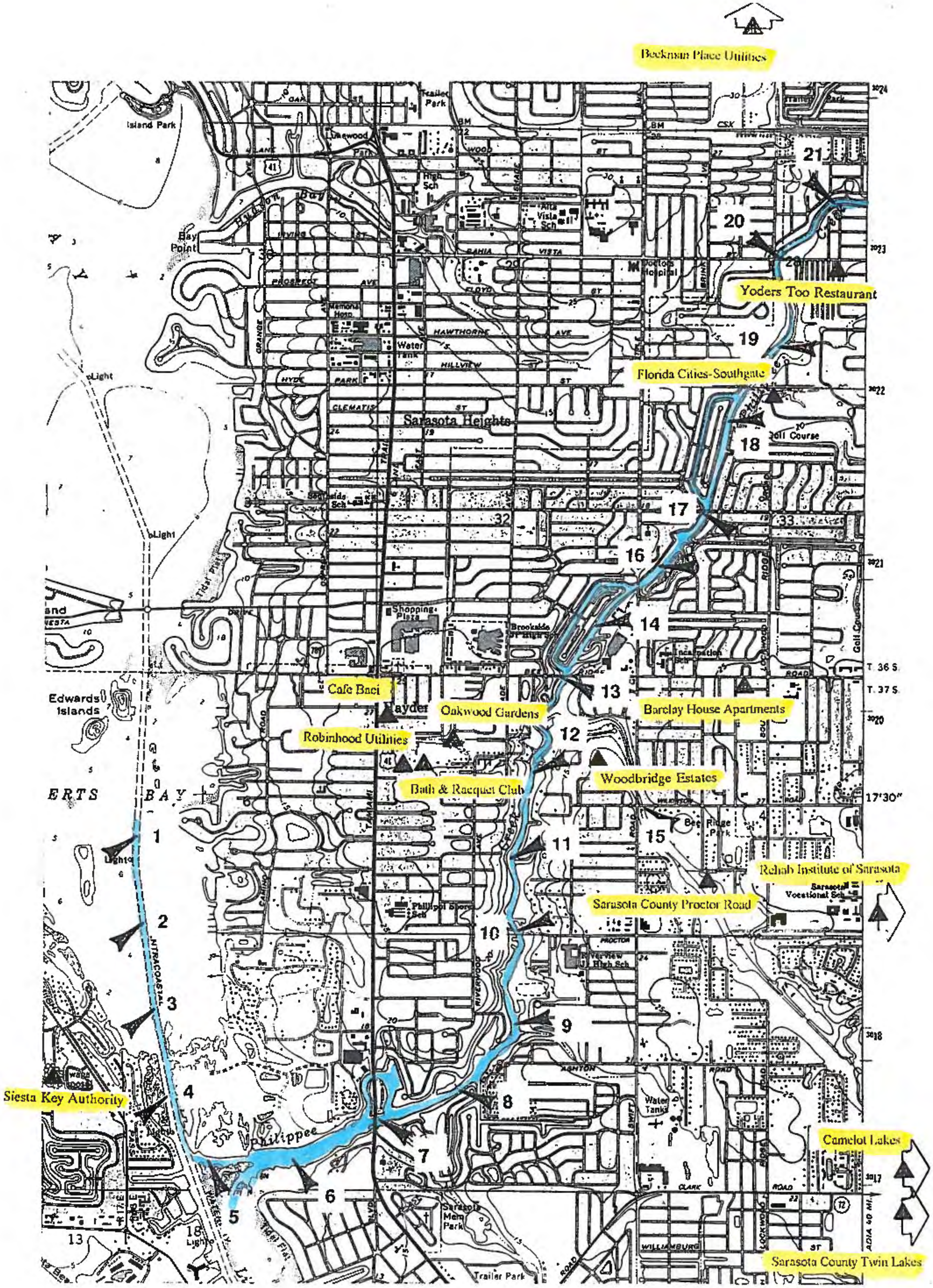


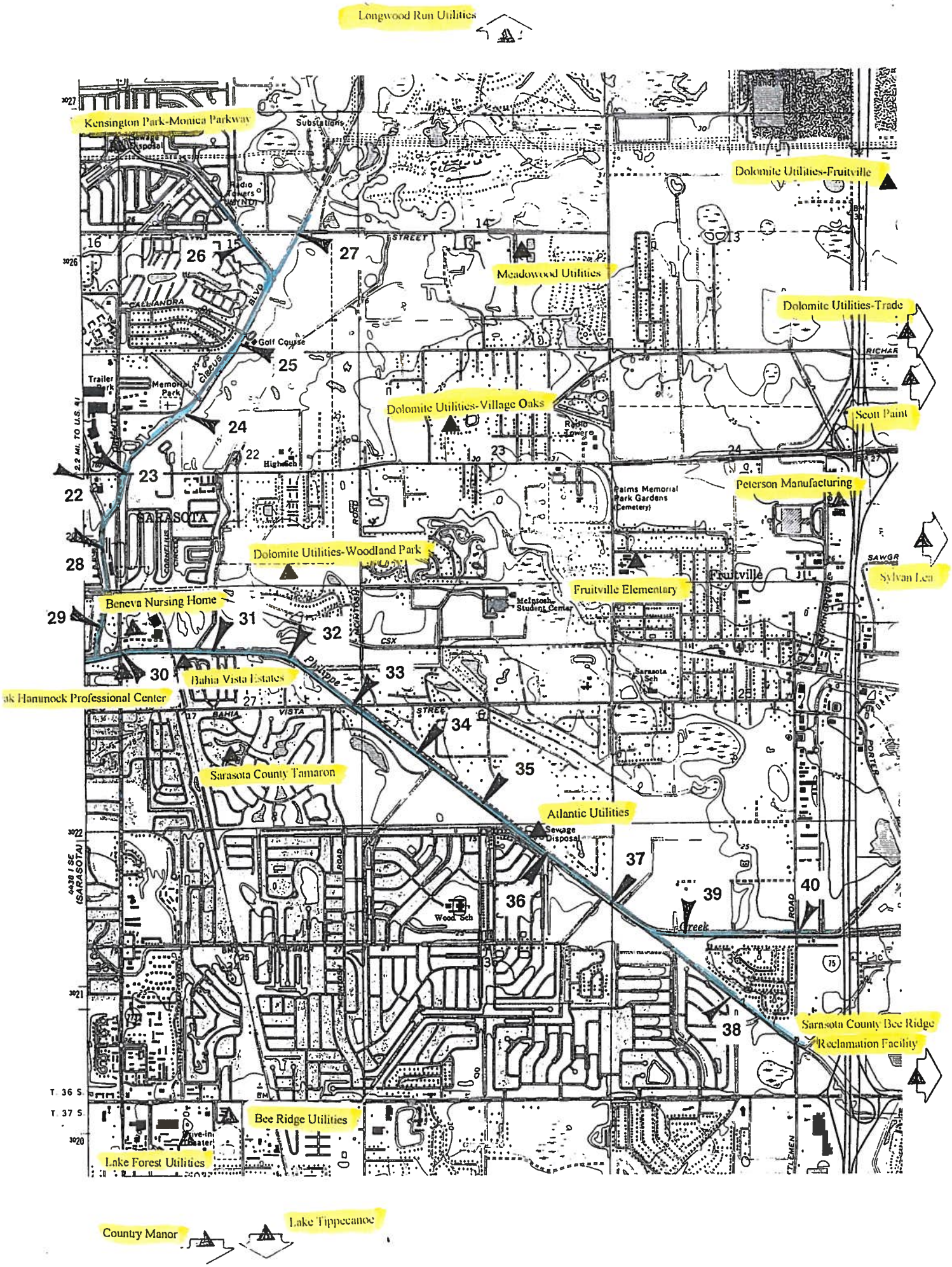
0 1/2 1 2 3

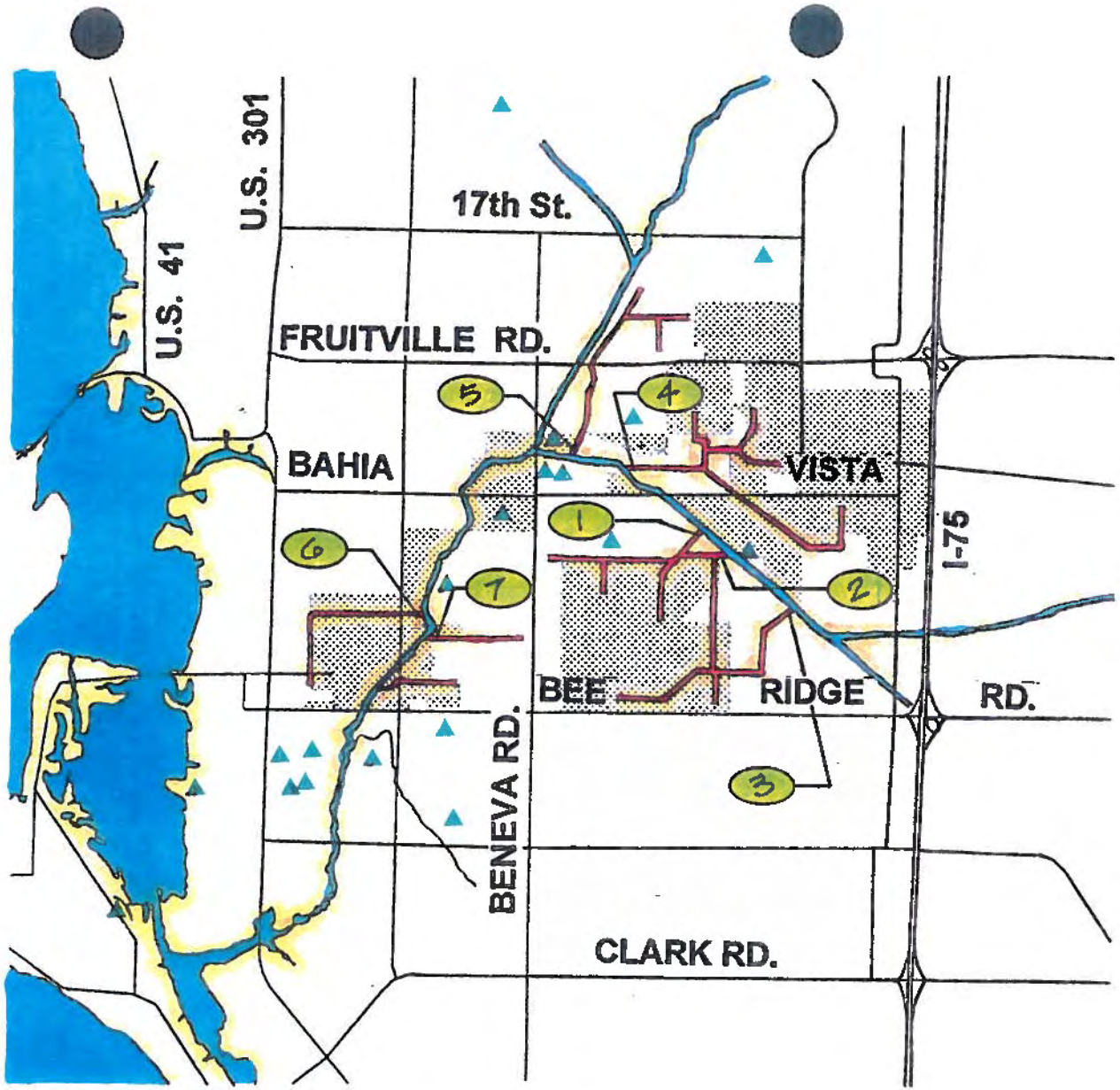
SCALE IN MILES

PHILLIPPI CREEK

S.C.P.H.U.


Beckman Place Utilities
21
20
Yoders Too Restaurant
19
Florida Cities-Southgate
18
Sarasota Heights
17
16
14
13
Cafe Baci
Oakwood Gardens
Barclay House Apartments
12
Robinhood Utilities
Bath & Racquet Club
Woodbridge Estates
1
11
15
Rehab Institute of Sarasota
2
Sarasota County Proctor Road
10
3
9
Siesta Key Authority
4
8
7
Philippee
6
5
Camelot Lakes
Sarasota County Twin Lakes


Longwood Run Utilities
Kensington Park-Monica Parkway
Substations
Dolomite Utilities-Fruitville
Meadowood Utilities
Dolomite Utilities-Trade
Golf Course
Dolomite Utilities-Village Oaks
Scott Paint
Peterson Manufacturing
Palms Memorial Park Gardens (Cemetery)
SARASOTA
Dolomite Utilities-Woodland Park
Fruitville
Sylvan Lea
Fruitville Elementary
Beneva Nursing Home
McIntosh Student Center
Bahia Vista Estates
Sarasota Sch
Sarasota County Tamaron
Atlantic Utilities
Sewage Disposal
Wood Sch
Creek
Sarasota County Bee Ridge Reclamation Facility
Bee Ridge Utilities
Lake Forest Utilities
Country Manor
Lake Tippecanoe

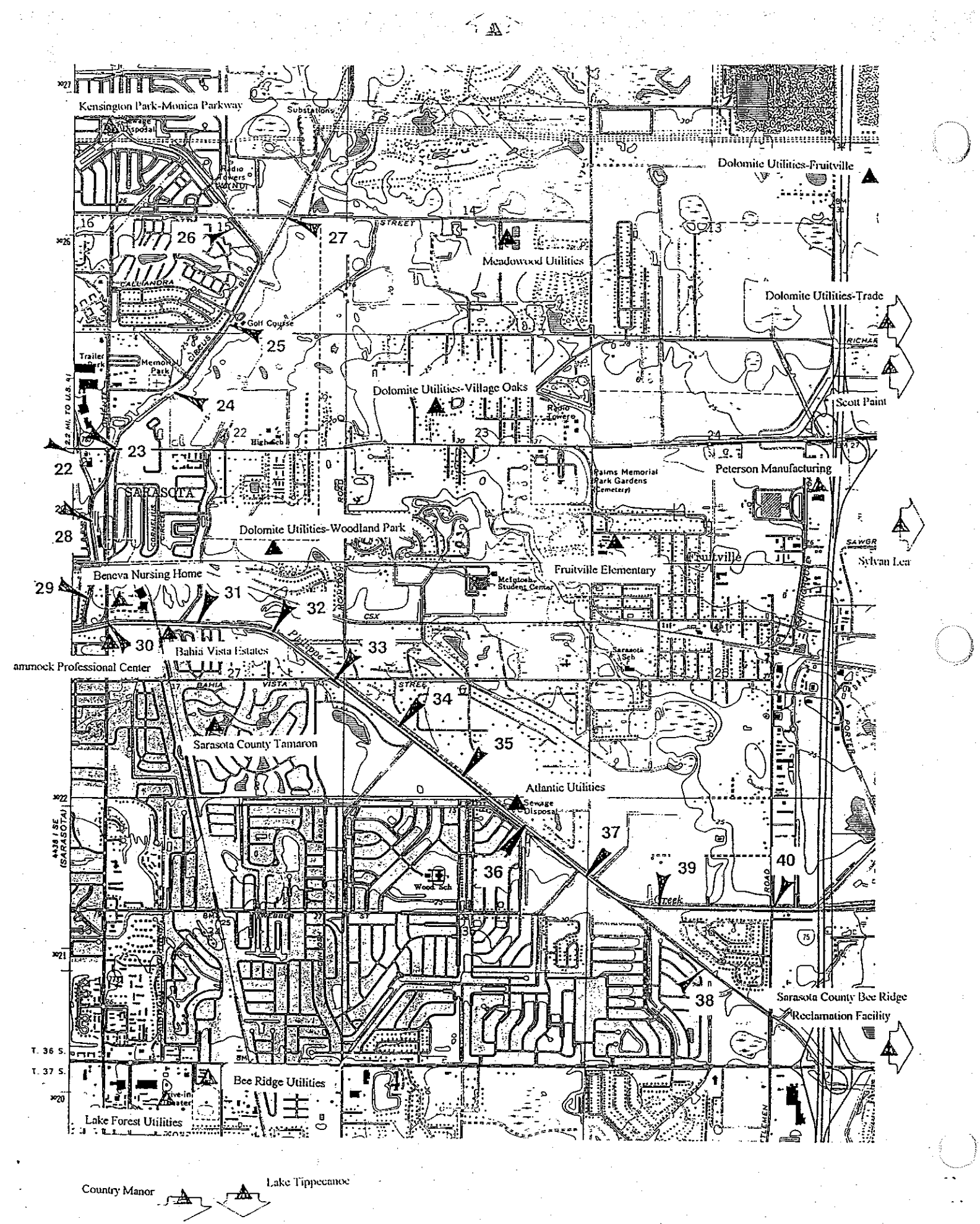


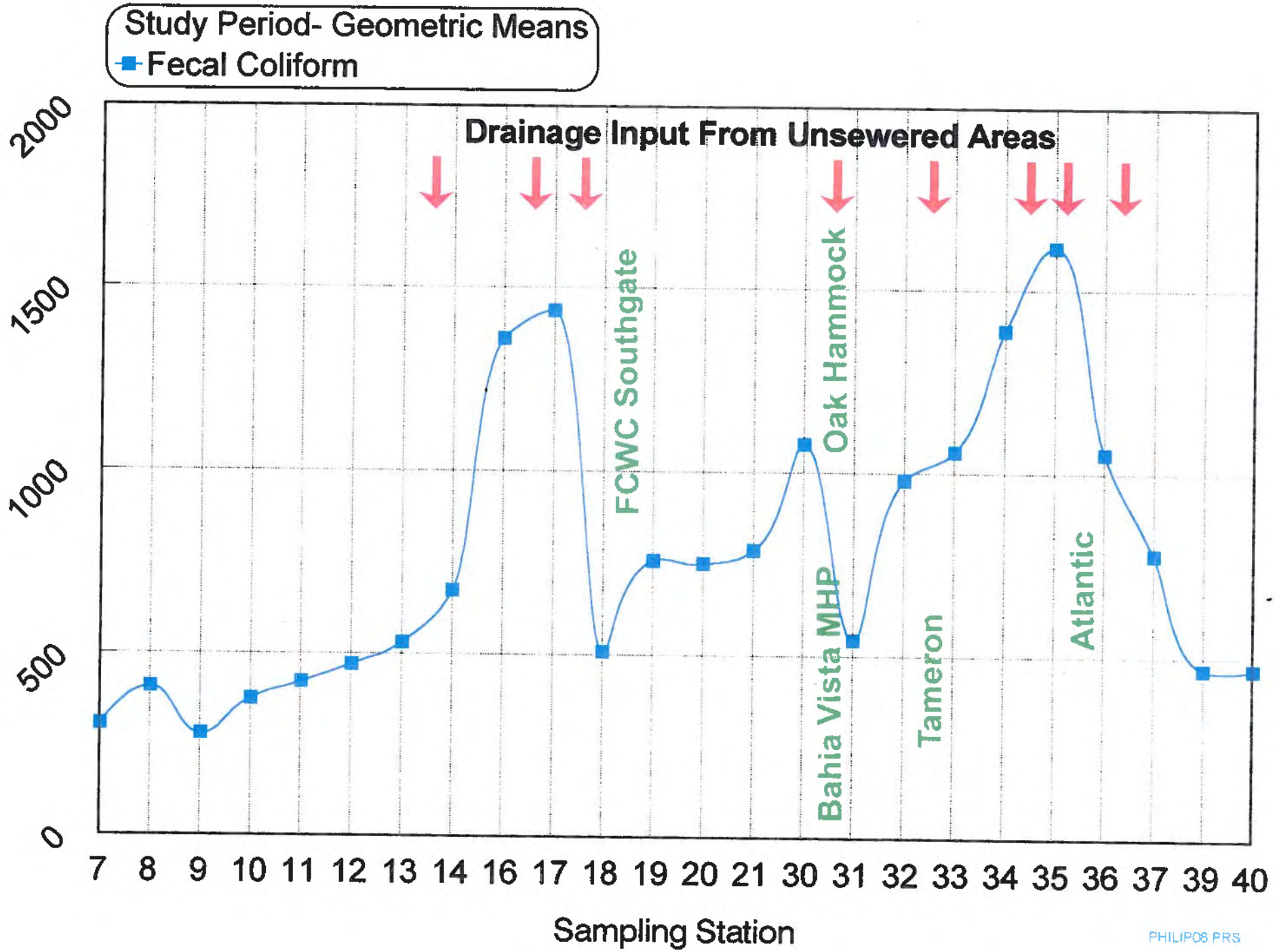
0 1/2 1

SCALE IN MI

PHILLIPPI CREEK

Beckman Place Utilities


Kensington Park-Monica Parkway
Substations
Dolomite Utilities-Fruitville
Meadowood Utilities
Dolomite Utilities-Trade
Golf Course
Dolomite Utilities-Village Oaks
Scott Paint
Peterson Manufacturing
Palms Memorial Park Gardens (Cemetery)
Dolomite Utilities-Woodland Park
Fruitville
Sylvan Lea
Beneva Nursing Home
Fruitville Elementary
McIntosh Student Center
Bahia Vista Estates
ammock Professional Center
Sarasota County Tamaron
Atlantic Utilities
Sewage Disposal
Wood Sch
Sarasota County Bee Ridge Reclamation Facility
Bee Ridge Utilities
Lake Forest Utilities
Country Manor
Lake Tippecanoe
T. 36 S.
T. 37 S.


Study Period- Geometric Means
Fecal Coliform
Drainage Input From Unsewered Areas
FCWC Southgate
Oak Hammock
Bahia Vista MHP
Tameron
Atlantic
2000
1500
1000
500
0
7 8 9 10 11 12 13 14 16 17 18 19 20 21 30 31 32 33 34 35 36 37 39 40
Sampling Station
PHILIP08 PRS

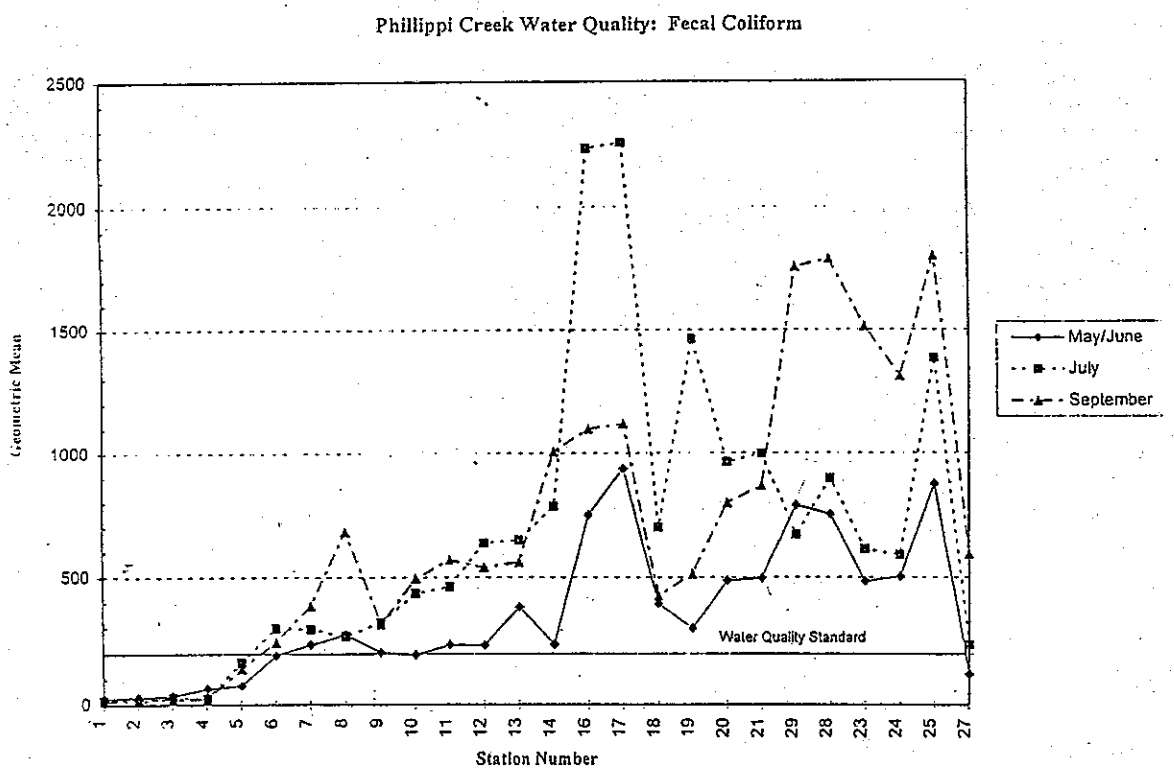


Figure 2. Mean of Fecal Coliform by Station

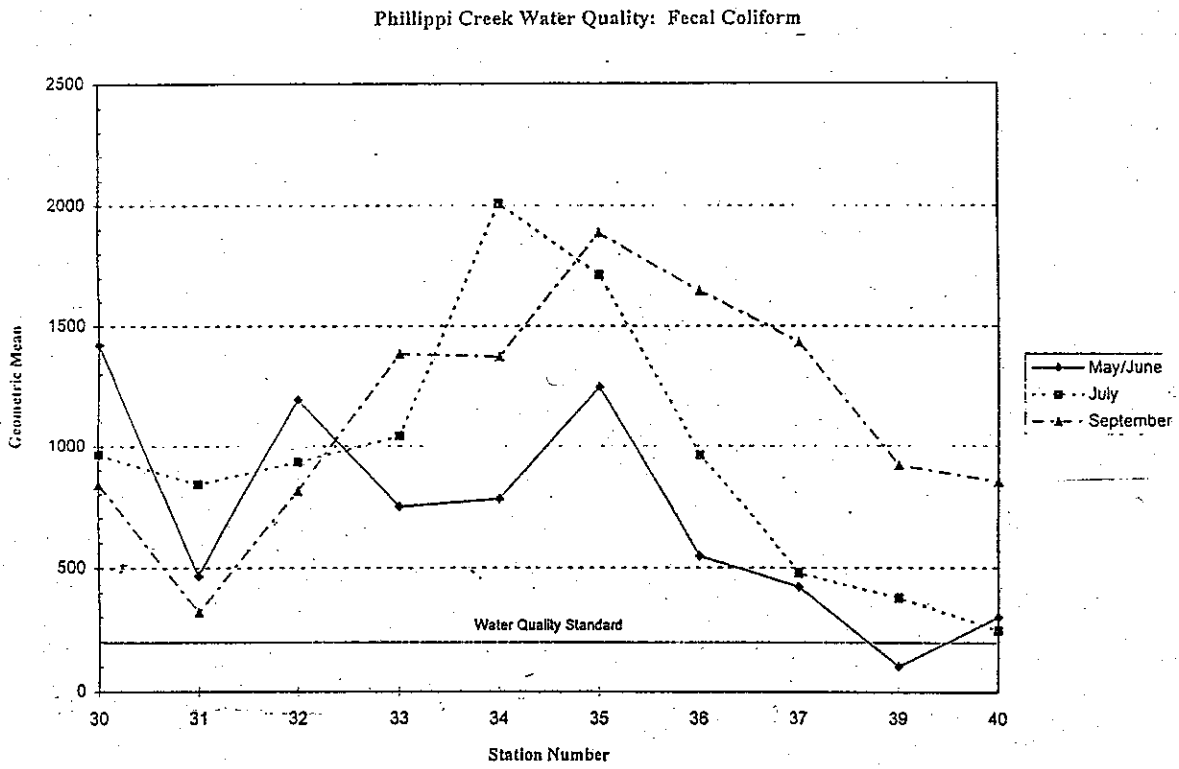
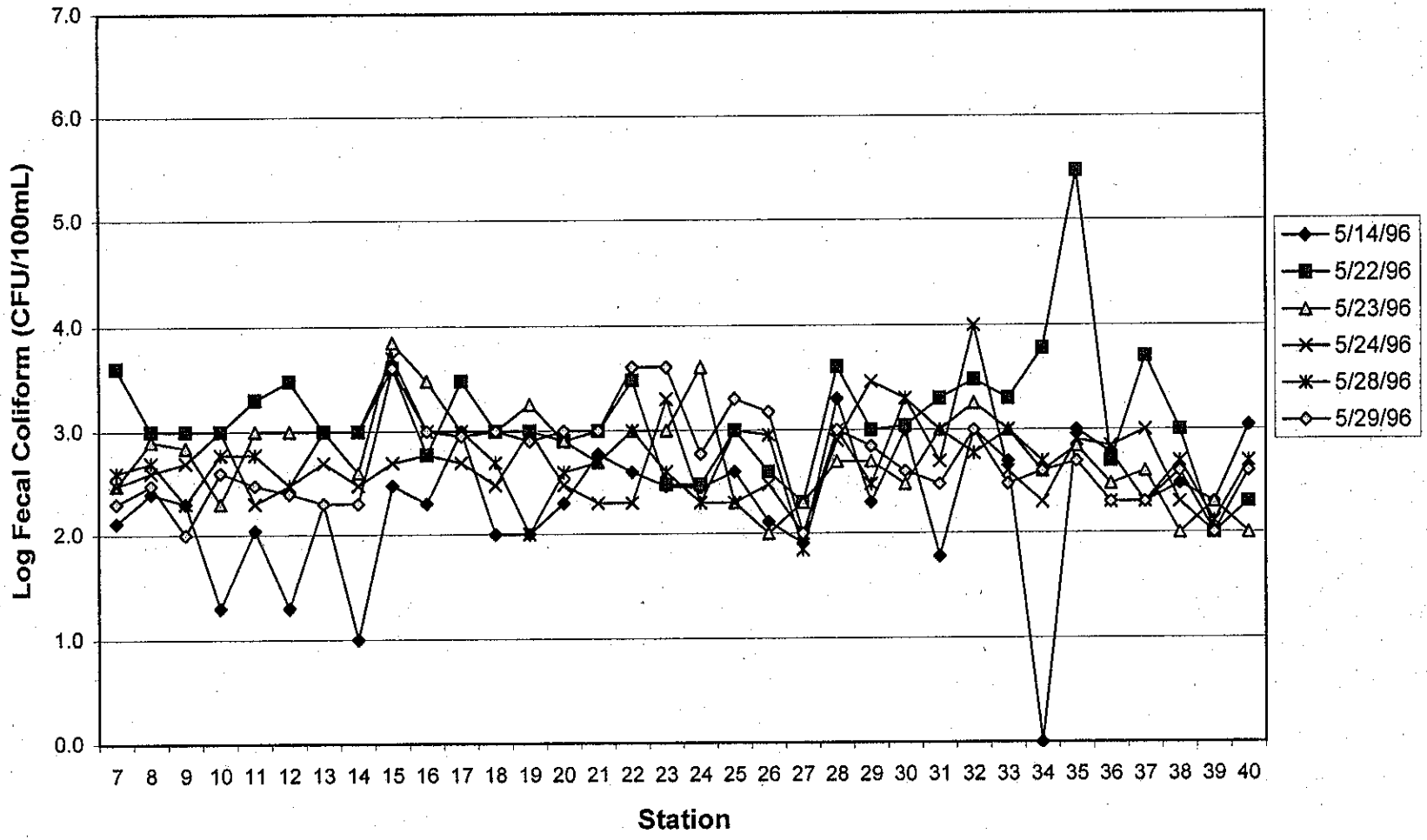
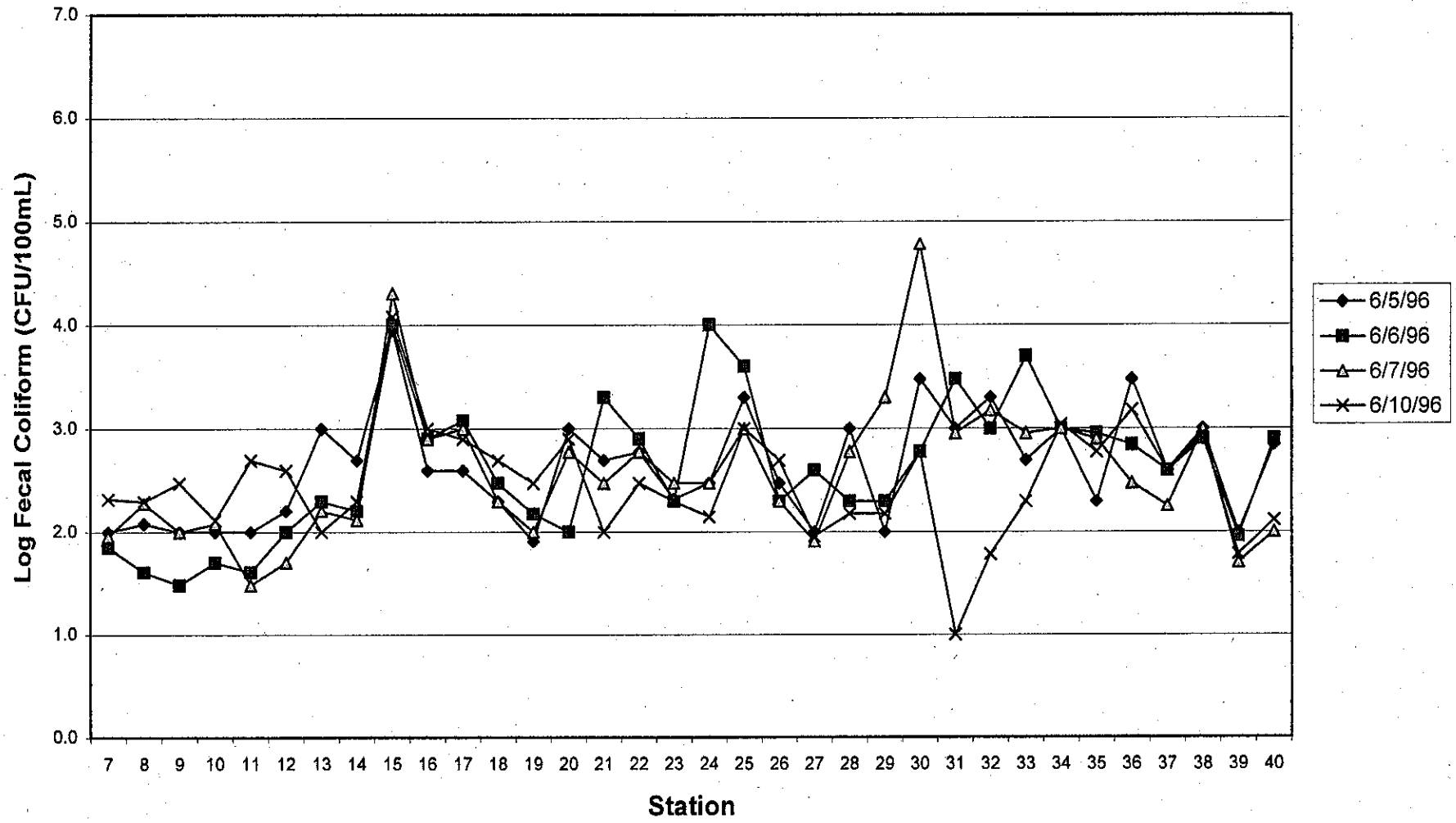


Figure 3. Mean of Fecal Coliform by Station

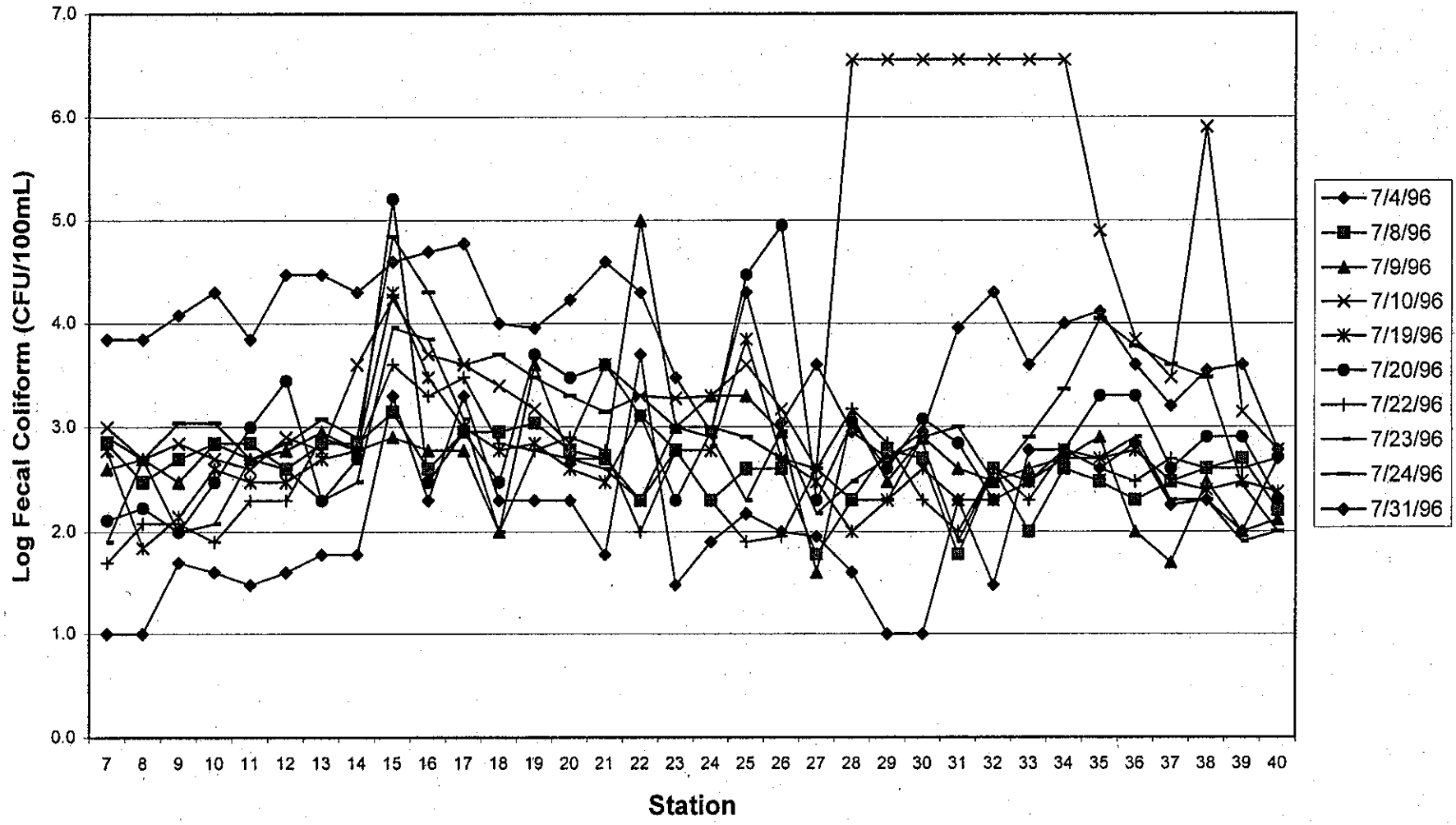
Longitudinal Study:
Fecal Coliform Concentrations by Date



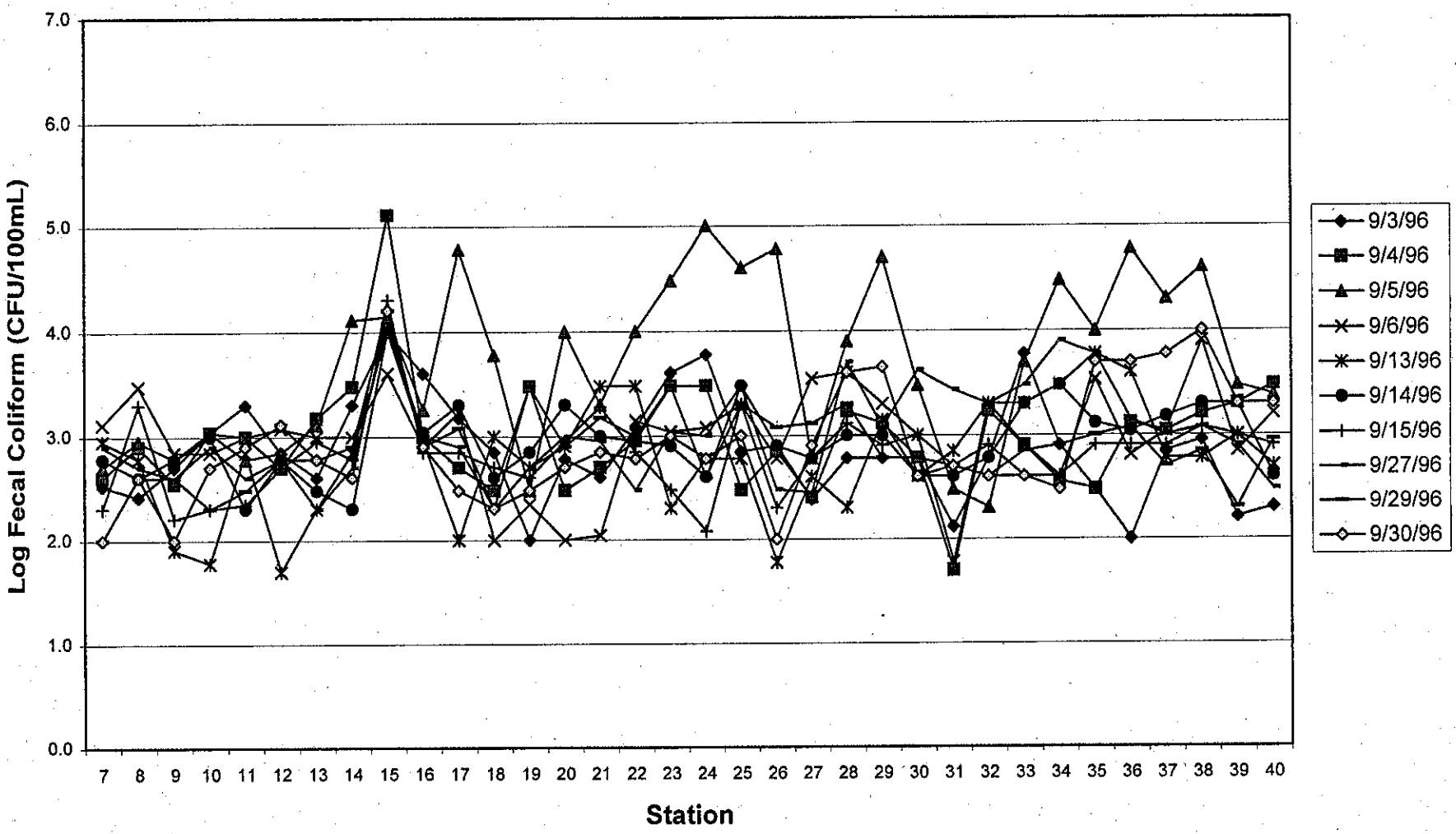
Longitudinal Study:
Fecal Coliform Concentrations by Date



Longitudinal Study:
Fecal Coliform Concentrations by Date



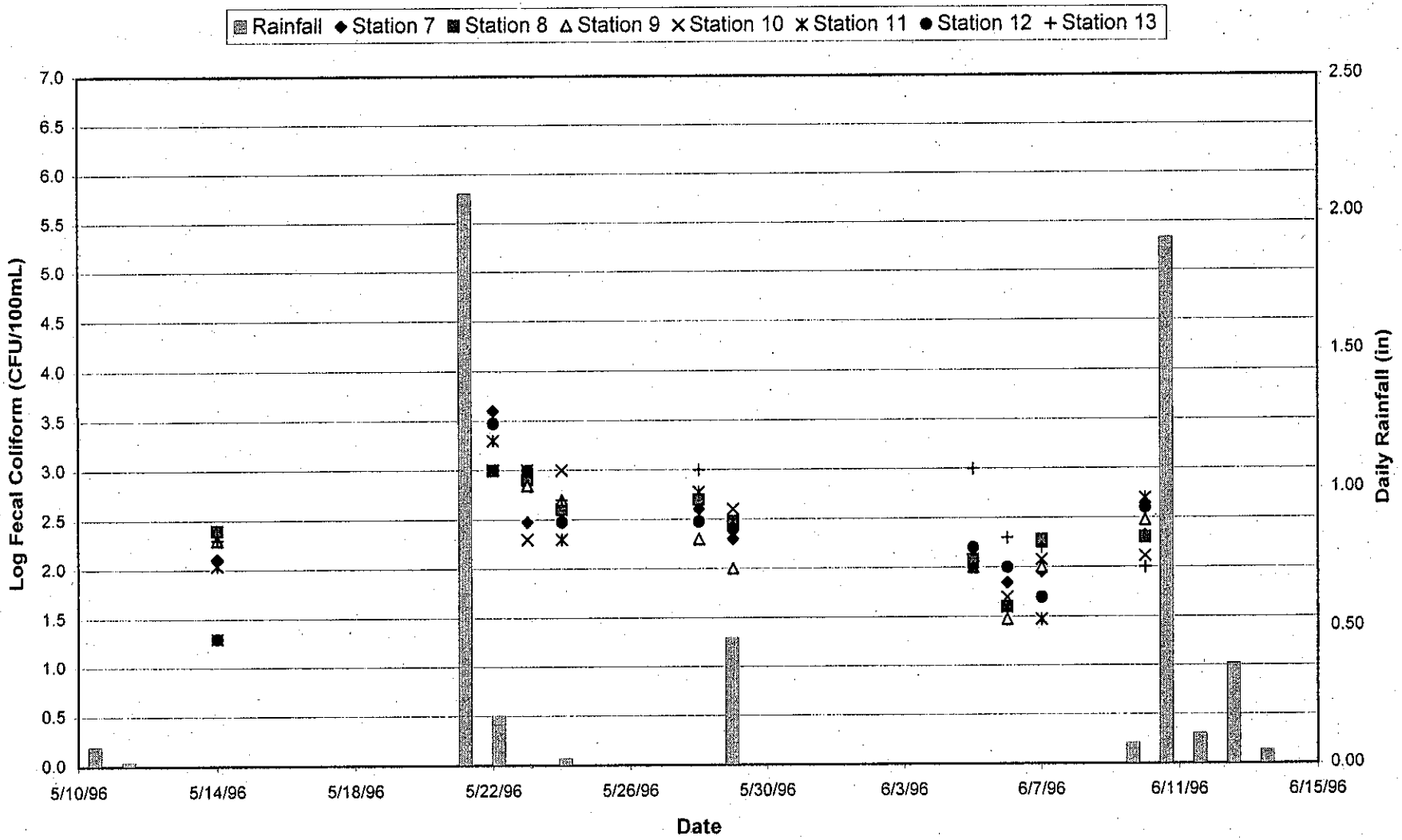
Longitudinal Study:
Fecal Coliform Concentrations by Date



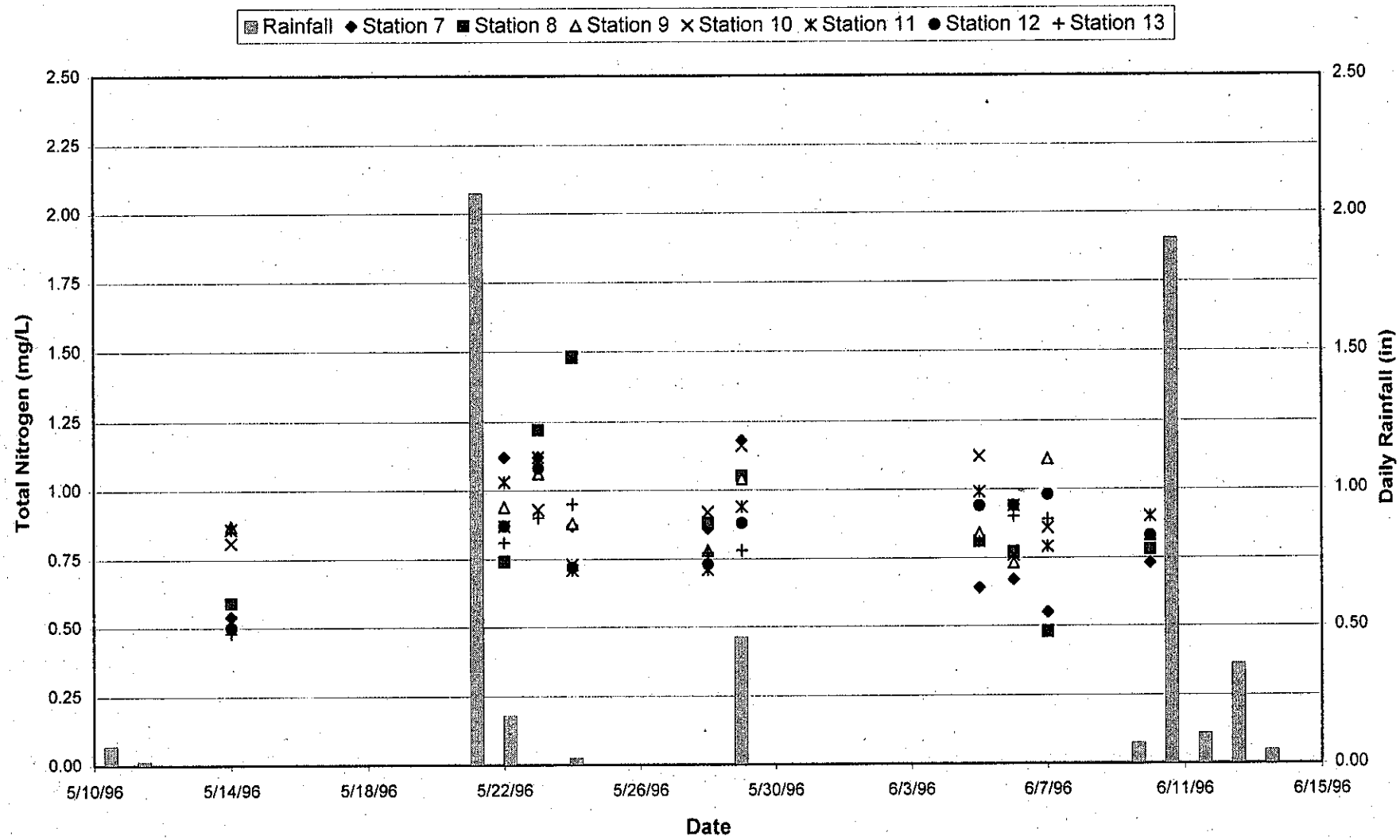
TECHNICAL MEMORANDUM NO. 2

APPENDIX C

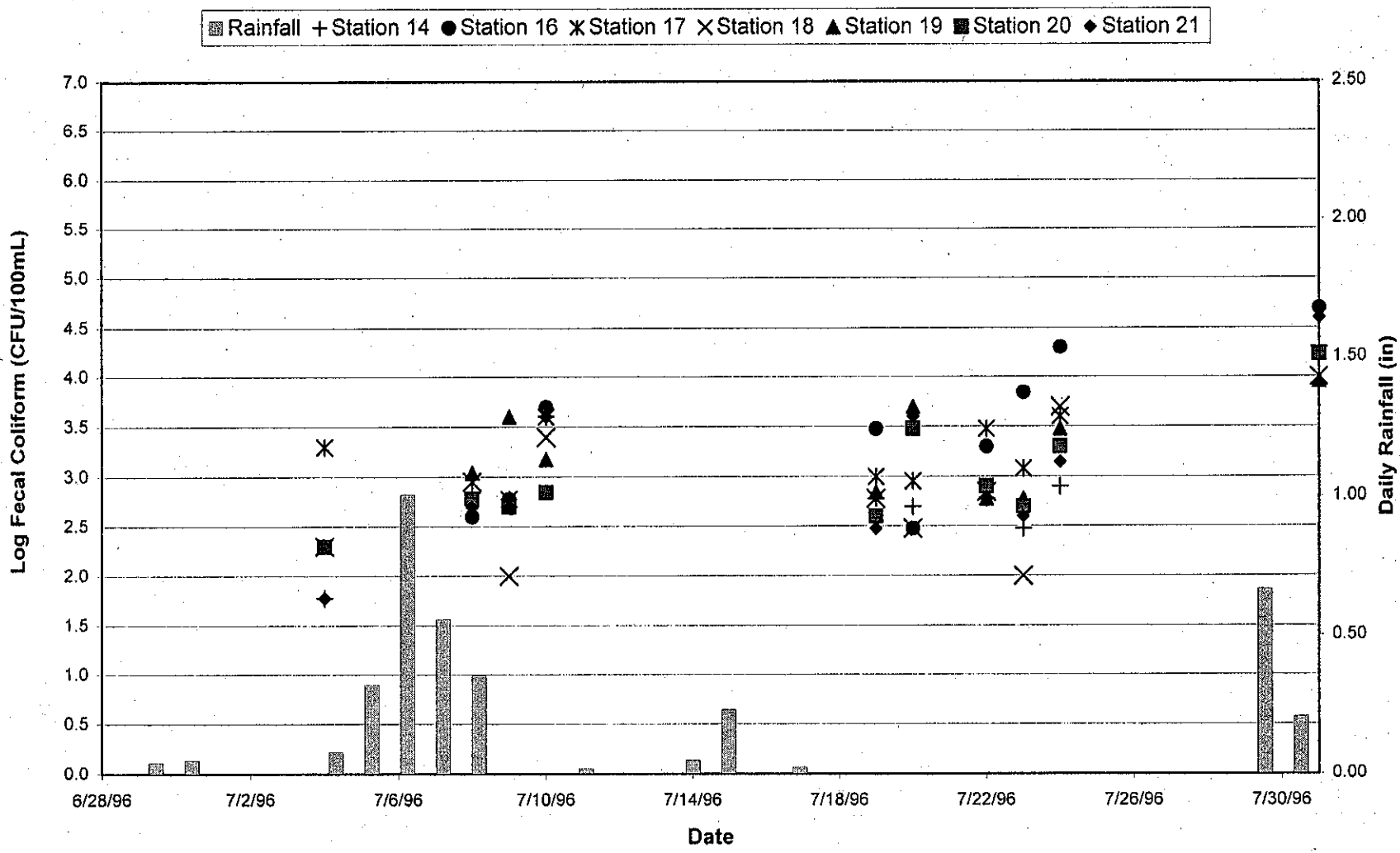
Longitudinal Study:
Lower Section Fecal Coliform and Rainfall



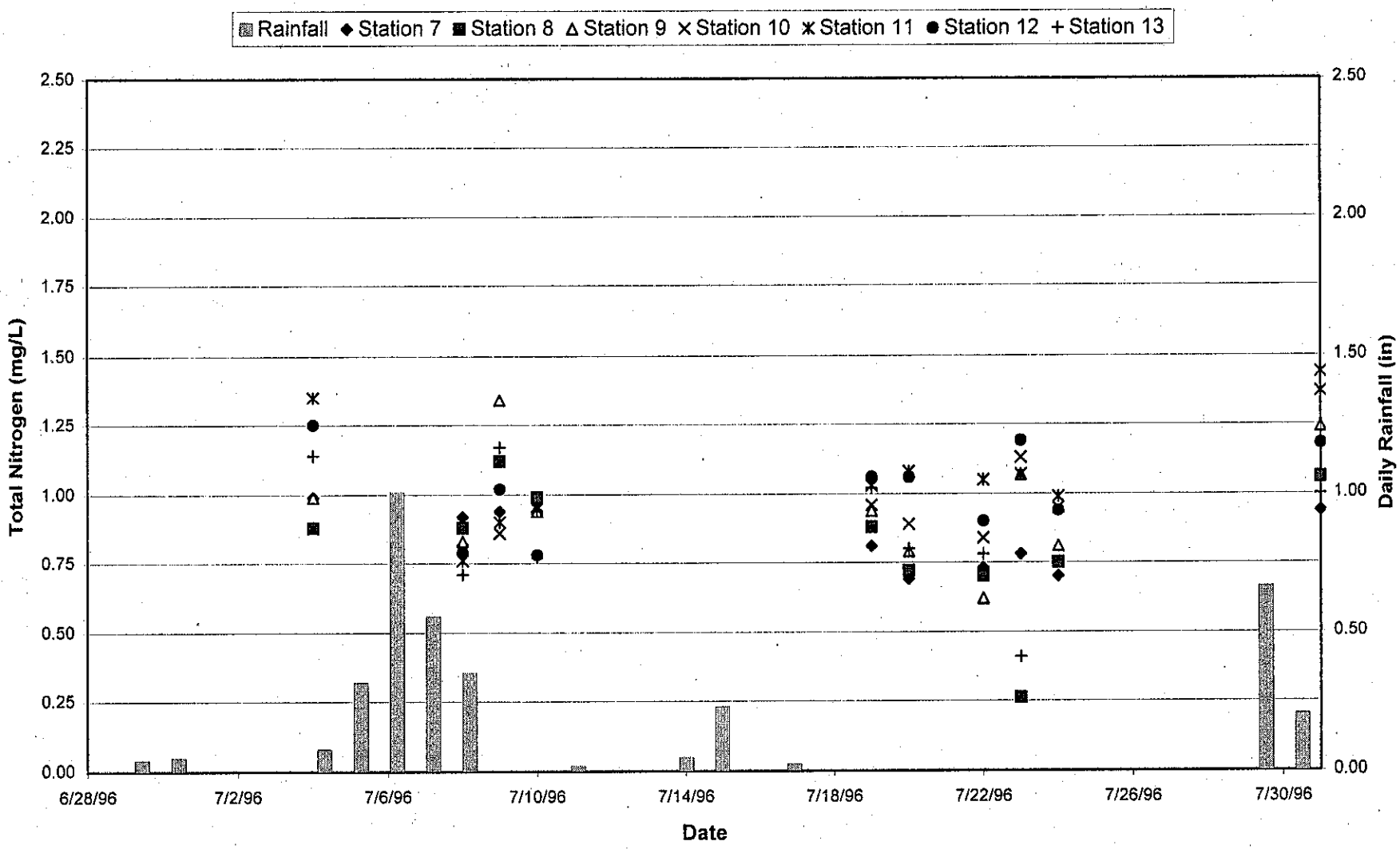
Longitudinal Study:
Lower Section Total Nitrogen and Rainfall



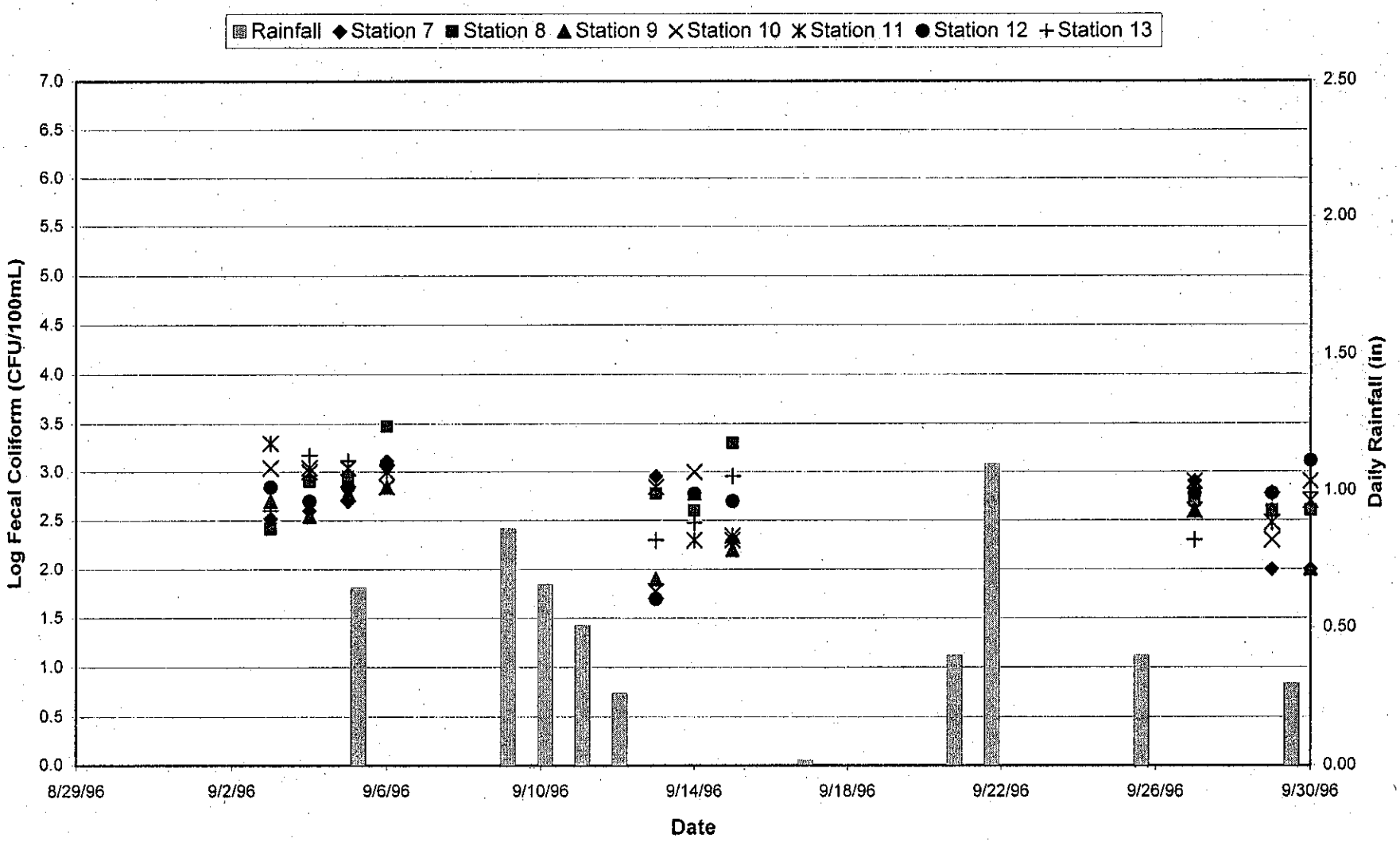
Longitudinal Study:
Lower Section Fecal Coliform and Rainfall



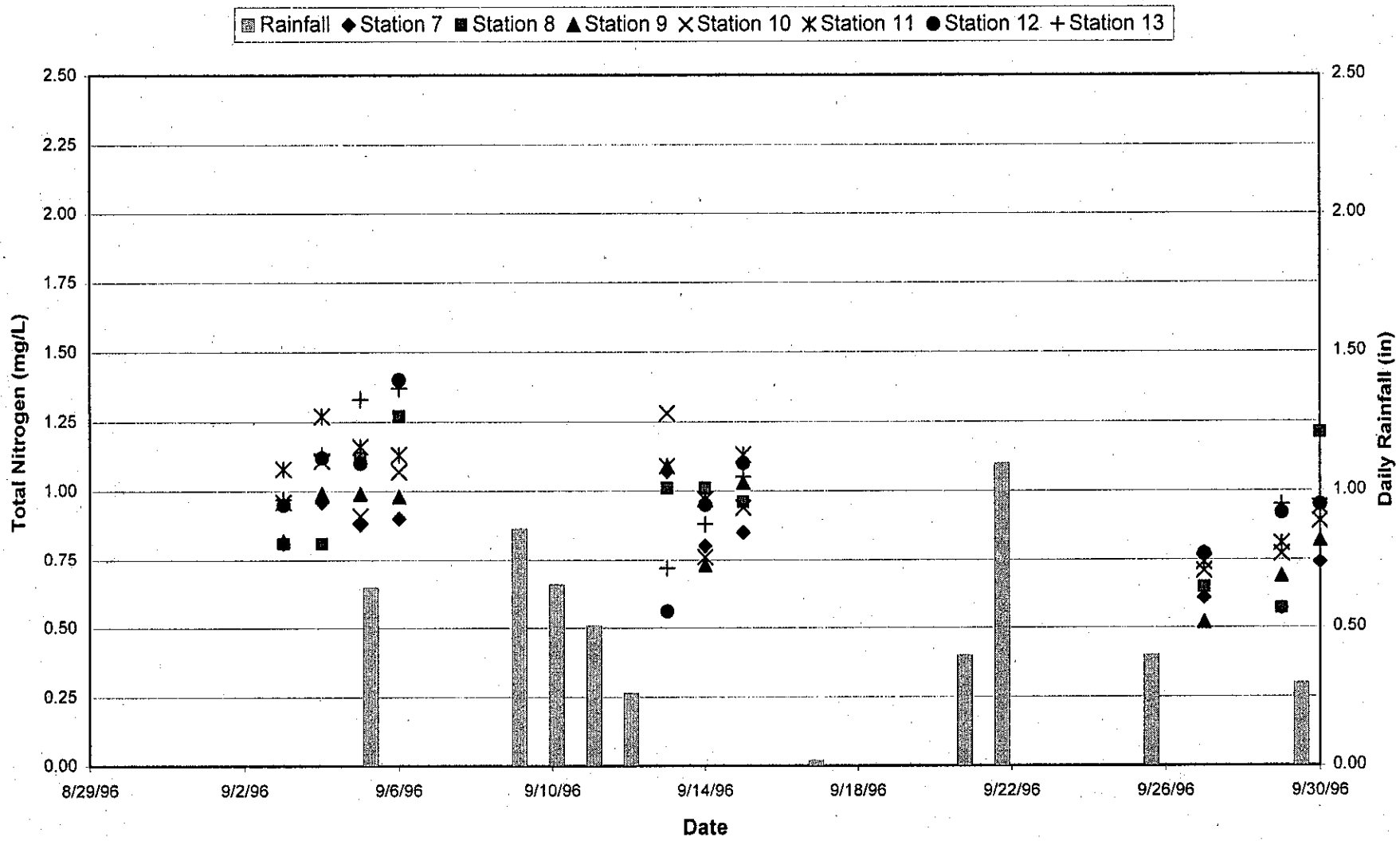
Longitudinal Study:
Lower Section Total Nitrogen and Rainfall

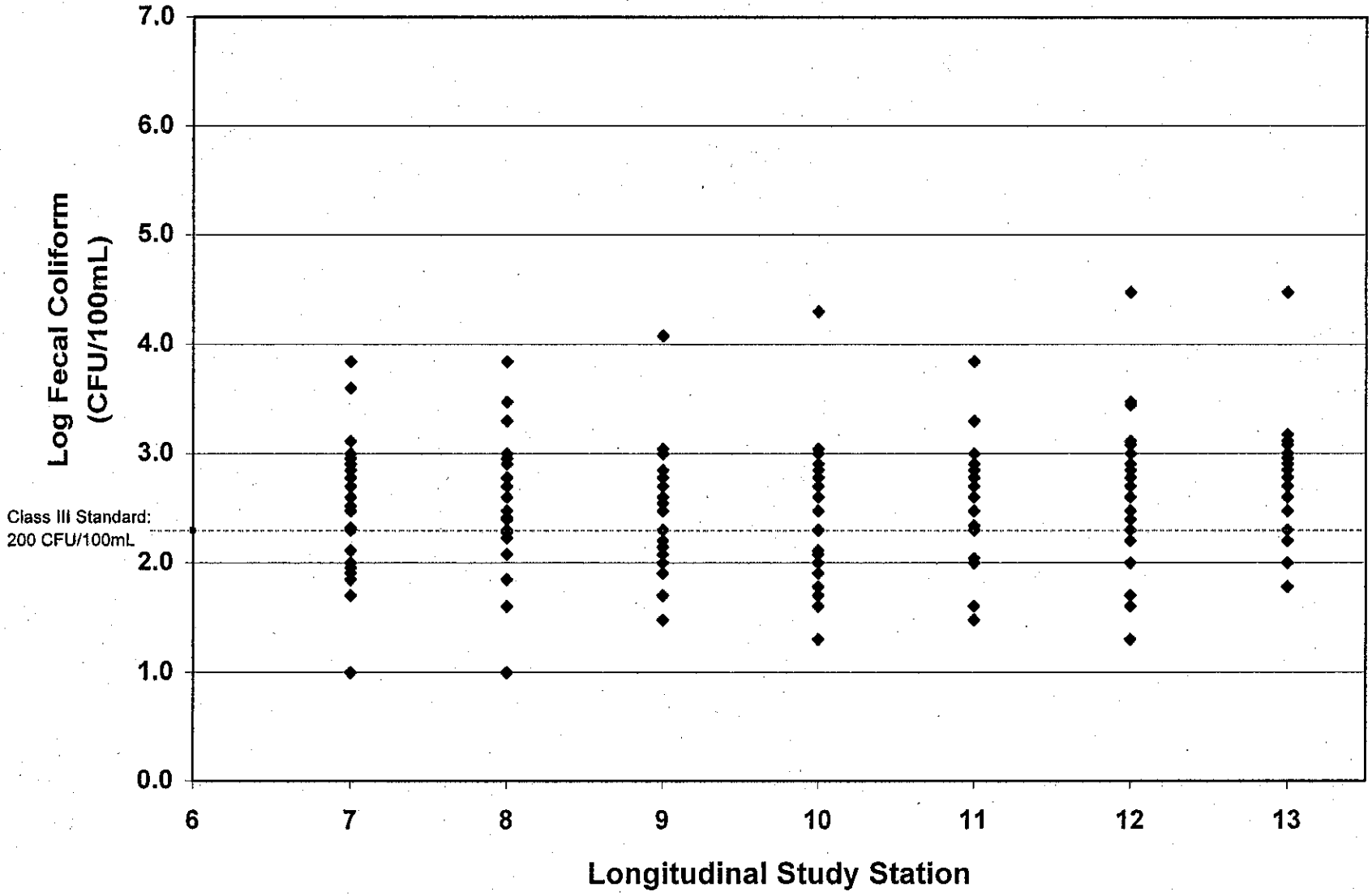


Longitudinal Study:
Lower Section Fecal Coliform and Rainfall

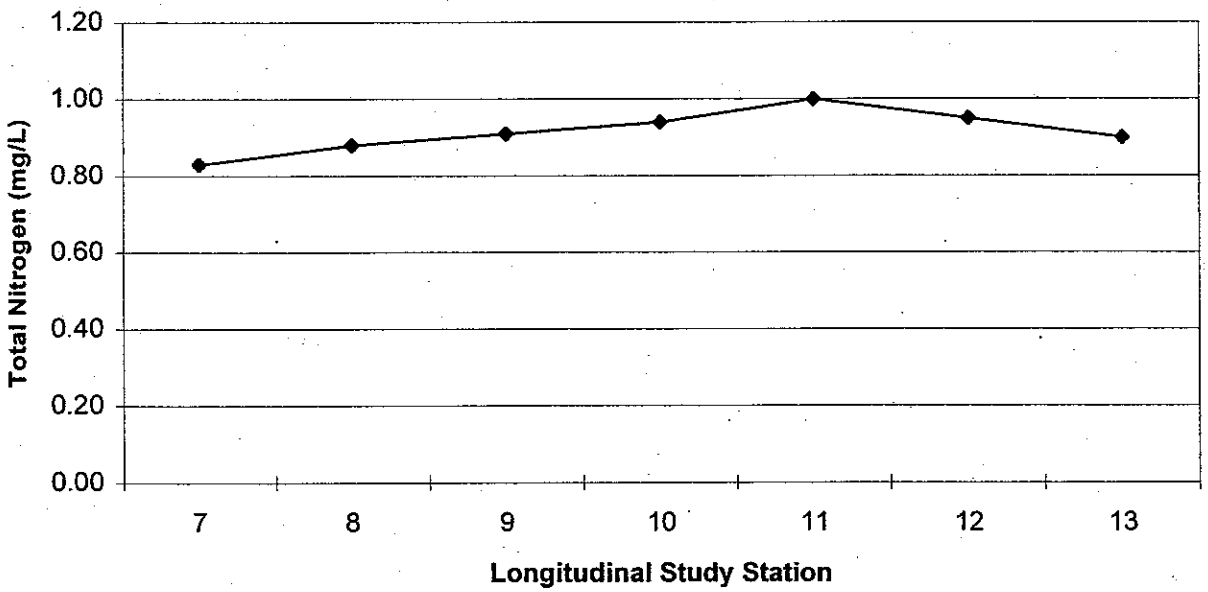


Longitudinal Study:
Lower Section Total Nitrogen and Rainfall




7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Log Fecal Coliform (CFU/100mL)
Class III Standard: 200 CFU/100mL
6
7
8
9
10
11
12
13
Longitudinal Study Station

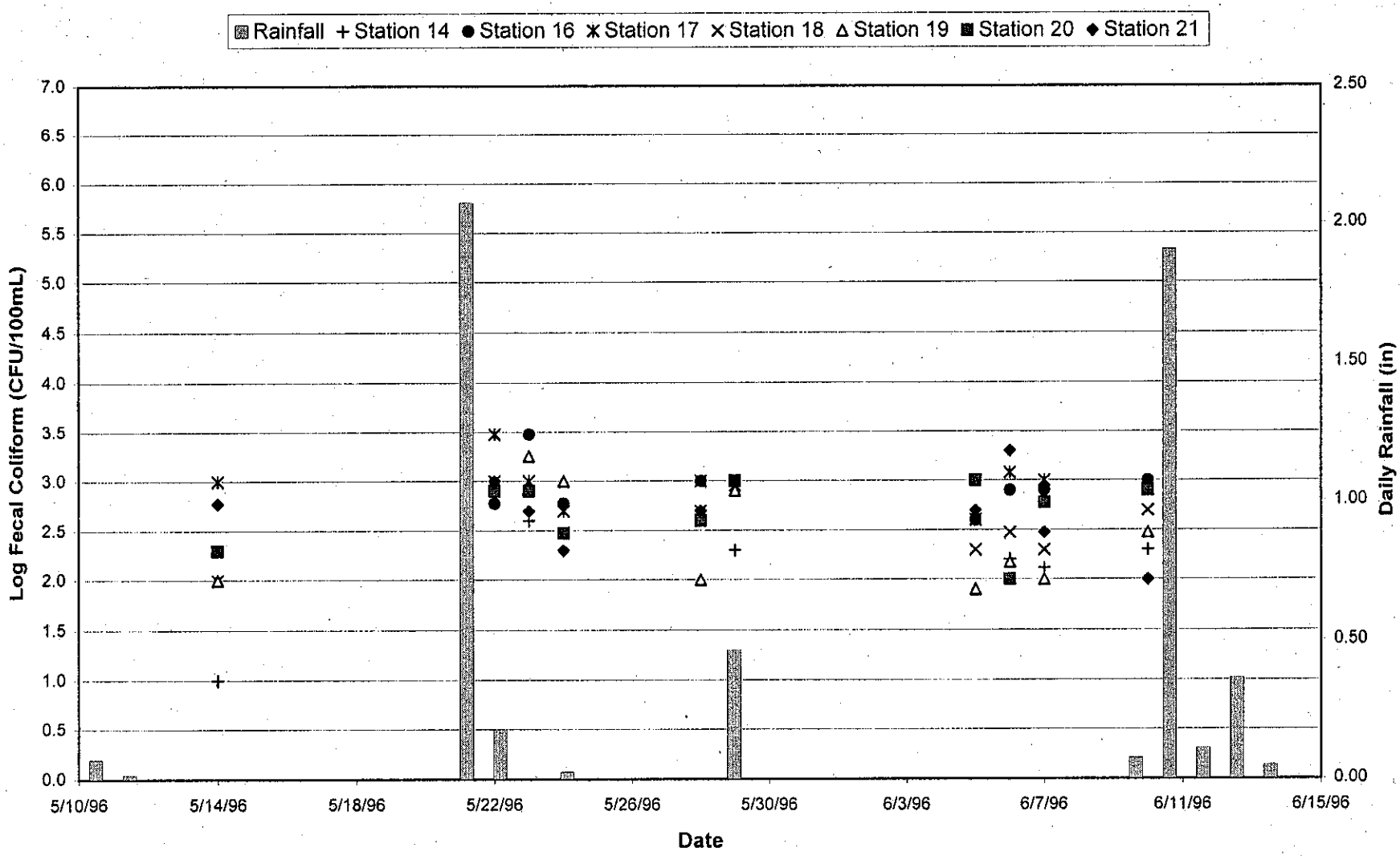
Total Nitrogen



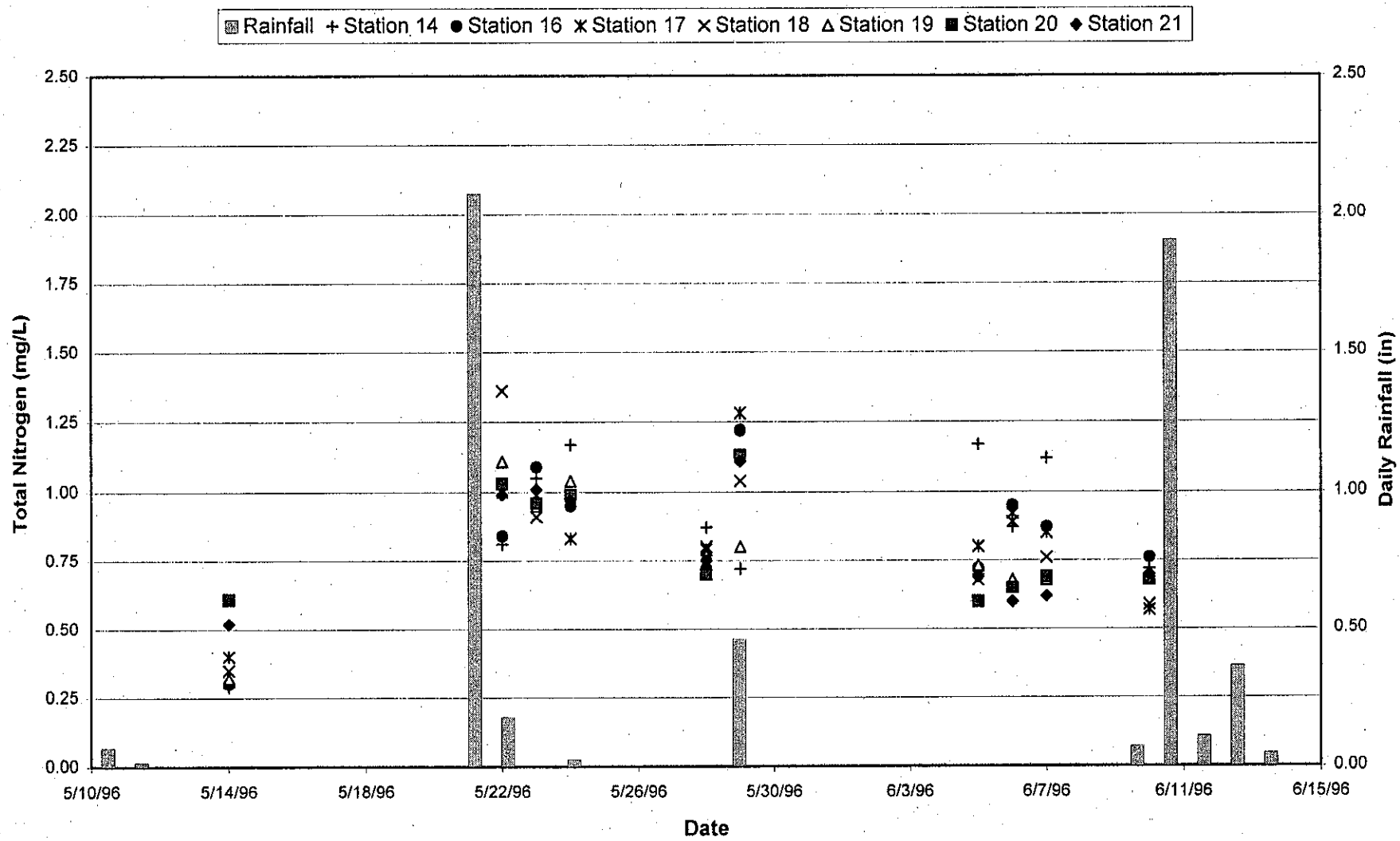
TECHNICAL MEMORANDUM NO. 2

APPENDIX D

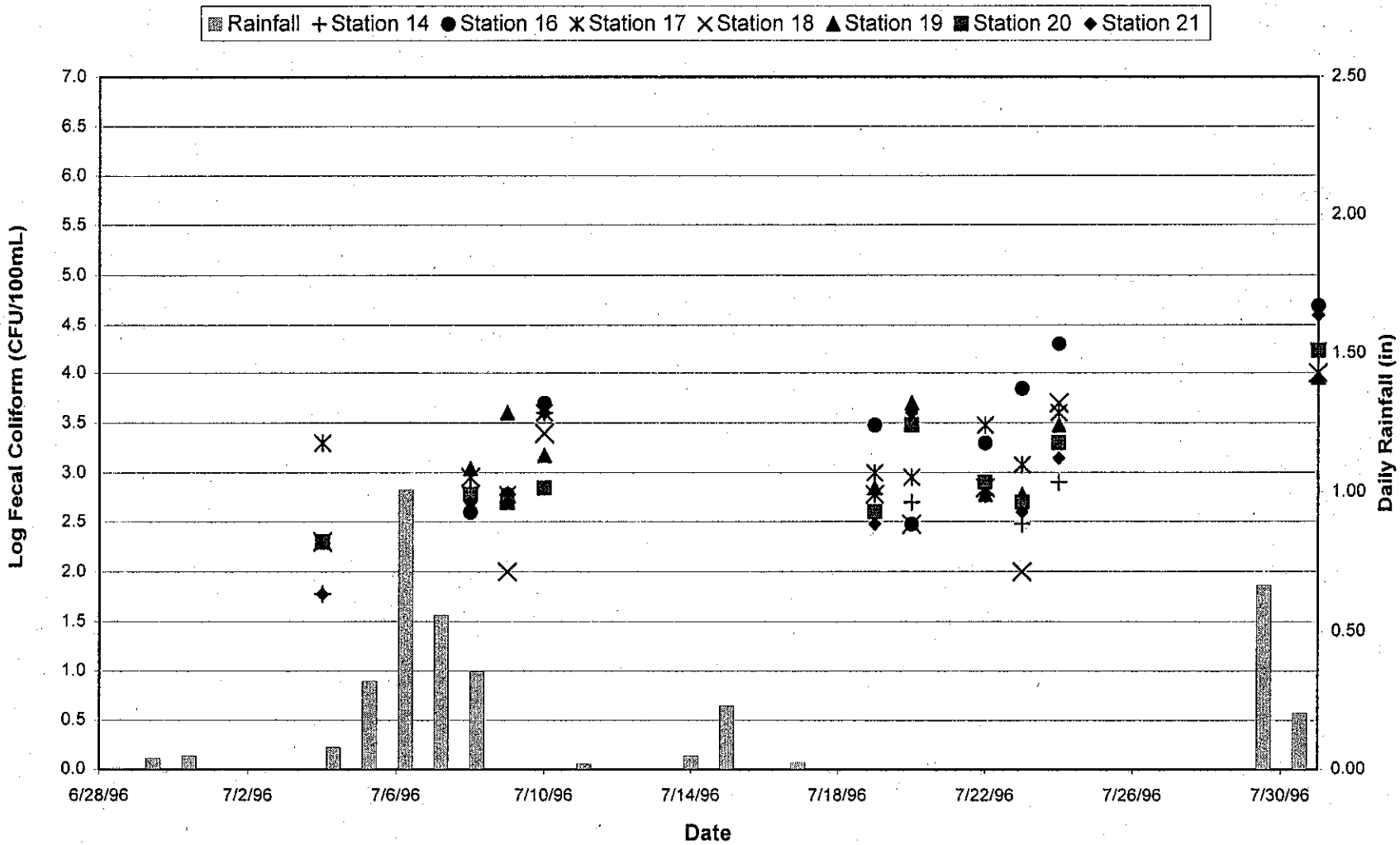
Longitudinal Study:
Middle Section Fecal Coliform and Rainfall



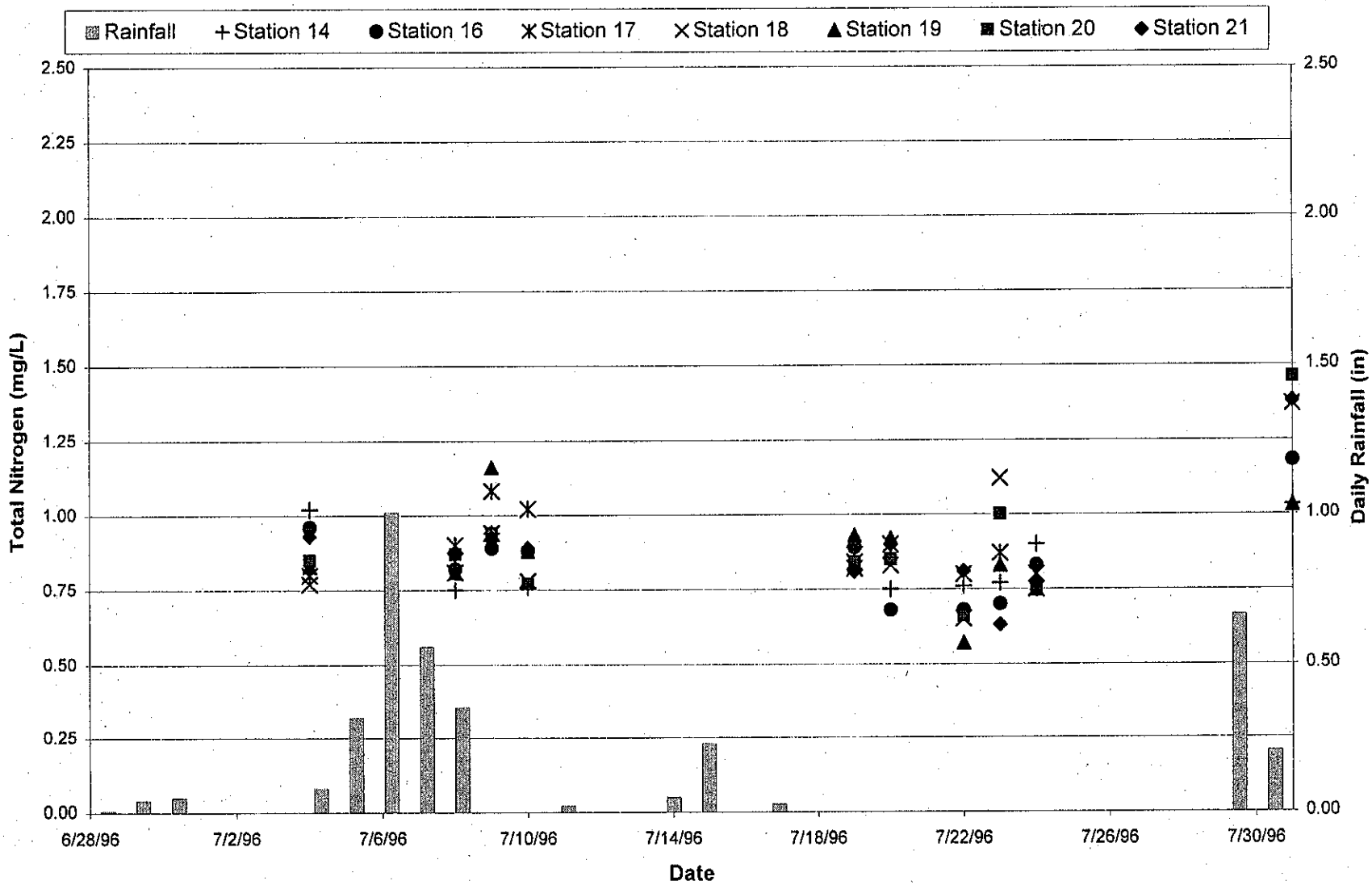
Longitudinal Study:
Middle Section Total Nitrogen and Rainfall



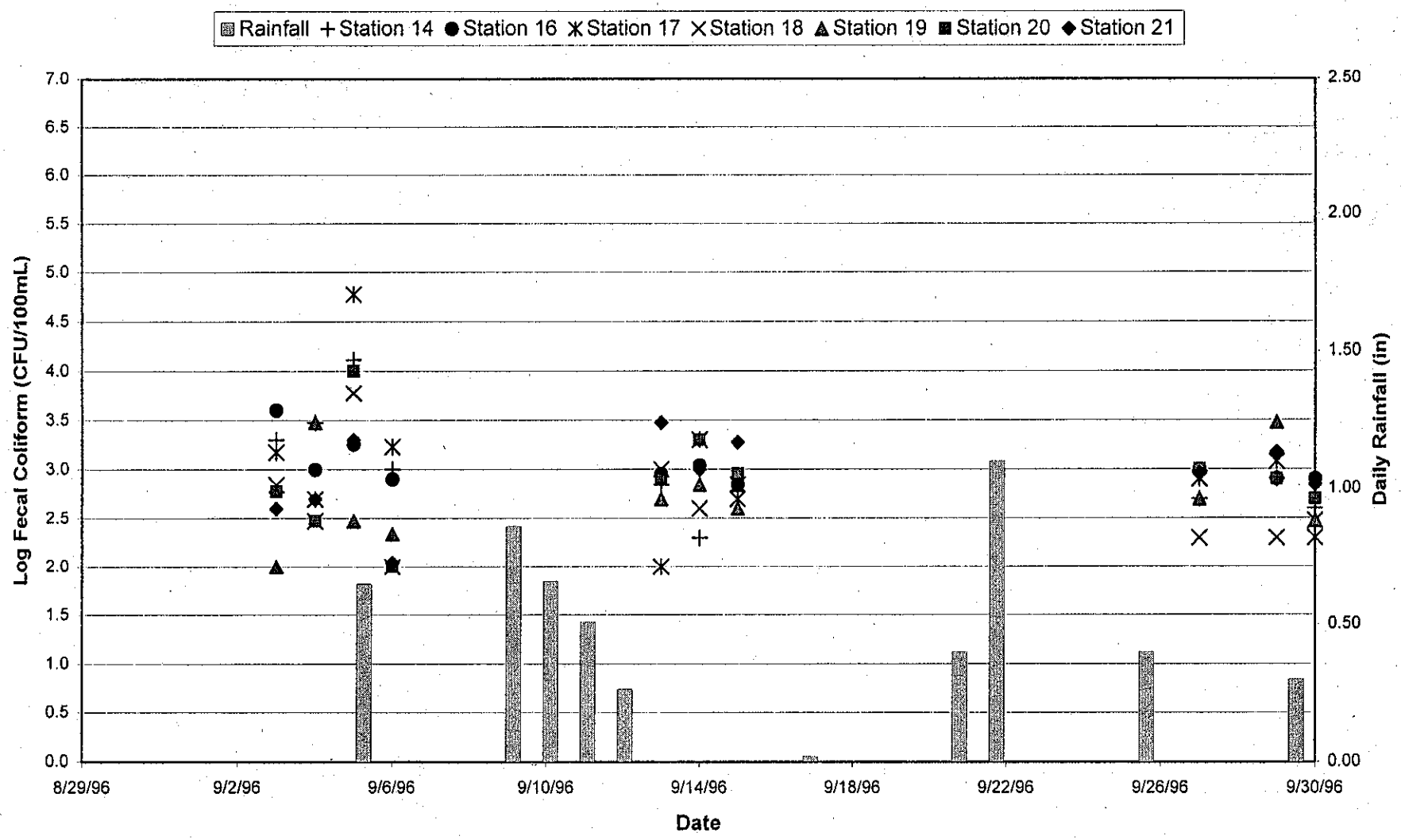
Longitudinal Study:
Middle Section Fecal Coliform and Rainfall



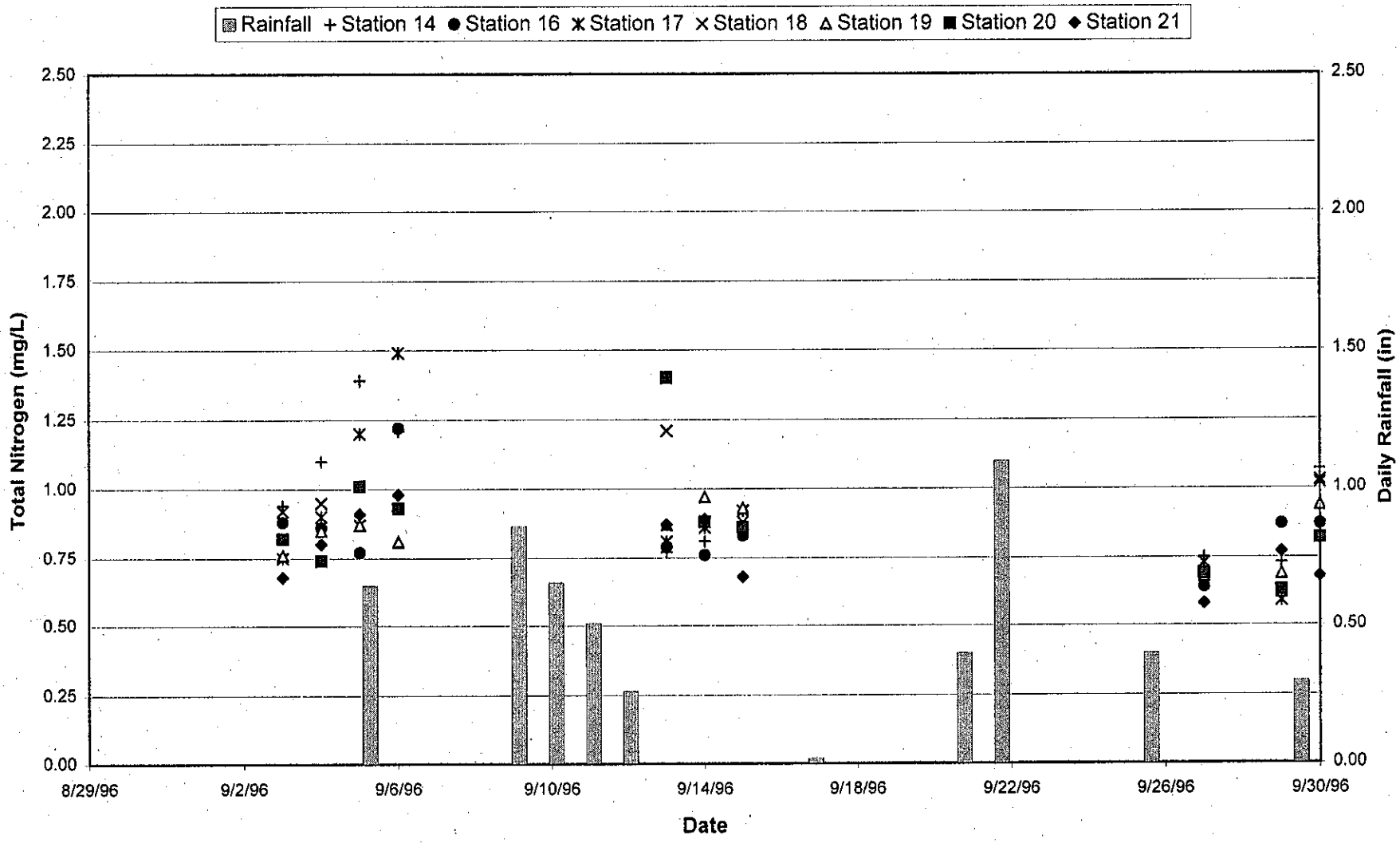
Longitudinal Study:
Middle Section Total Nitrogen and Rainfall

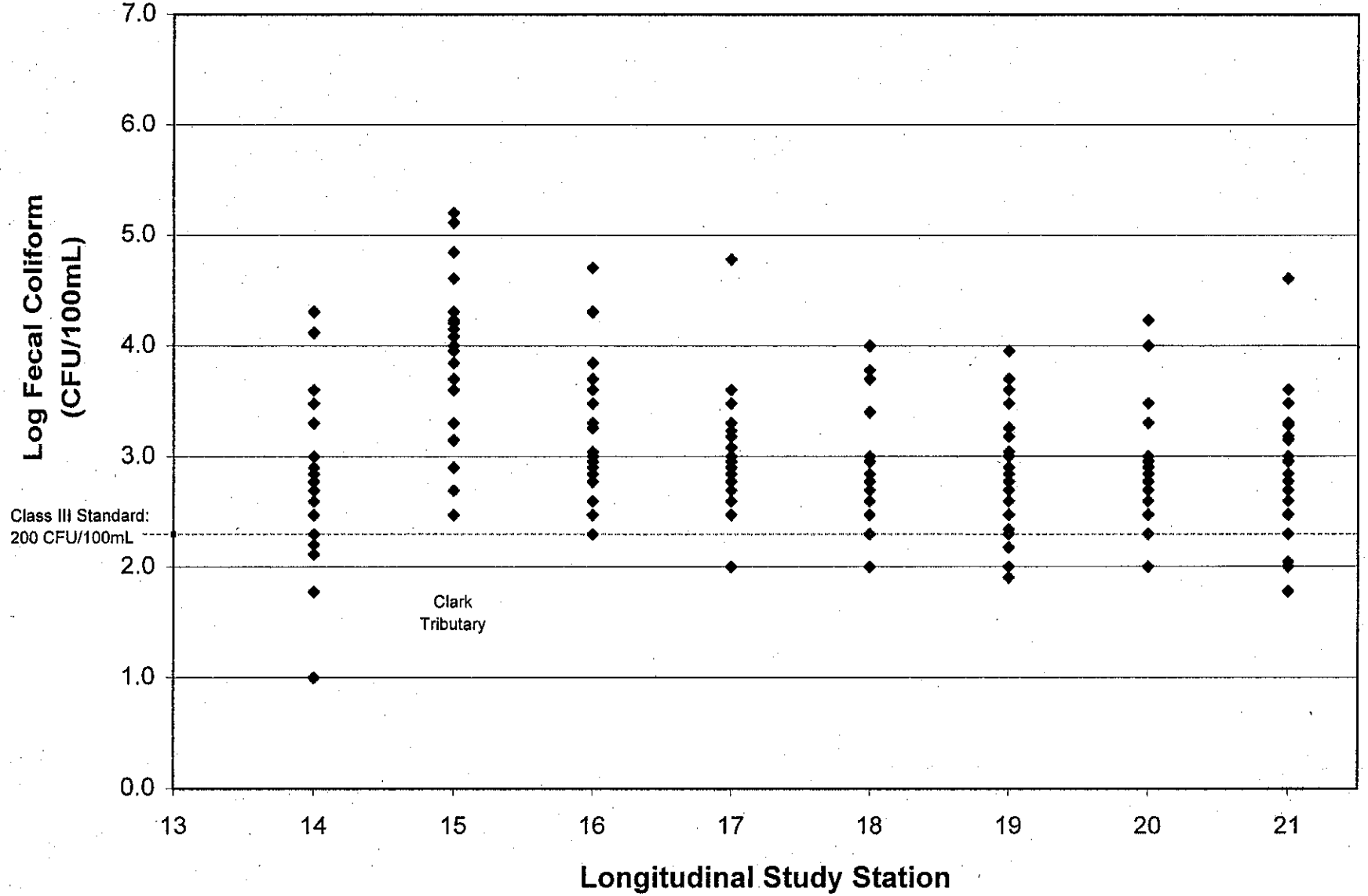


Longitudinal Study:
Middle Section Fecal Coliform and Rainfall

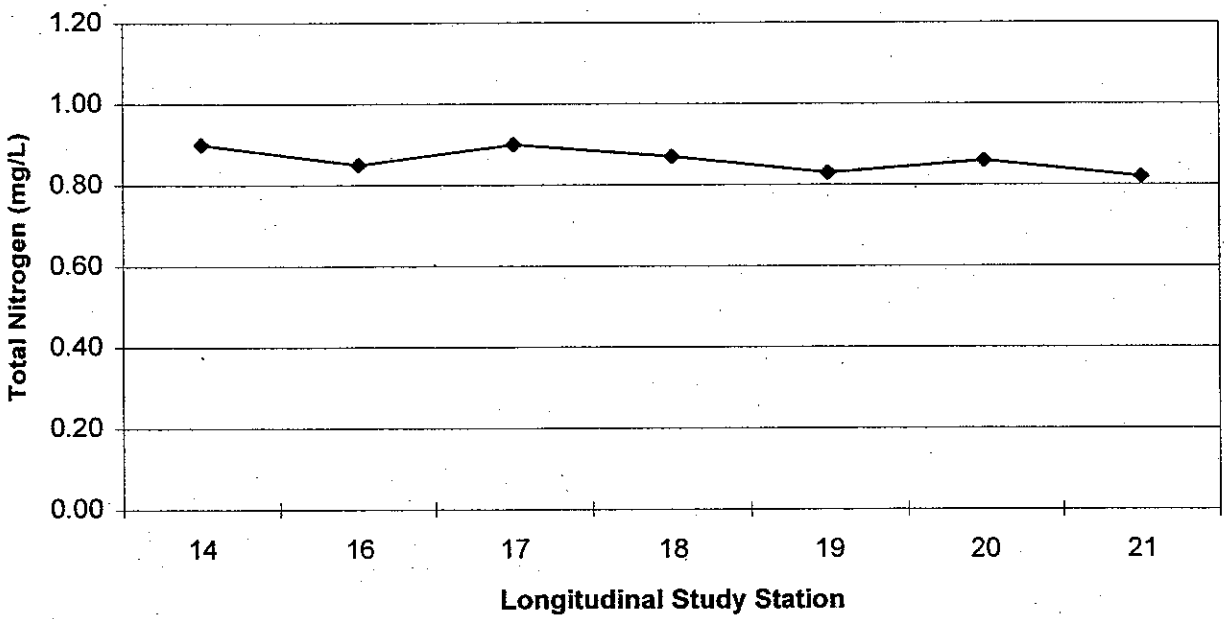


Longitudinal Study:
Middle Section Total Nitrogen and Rainfall




7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Log Fecal Coliform (CFU/100mL)
Class III Standard: 200 CFU/100mL
Clark Tributary
13
14
15
16
17
18
19
20
21
Longitudinal Study Station

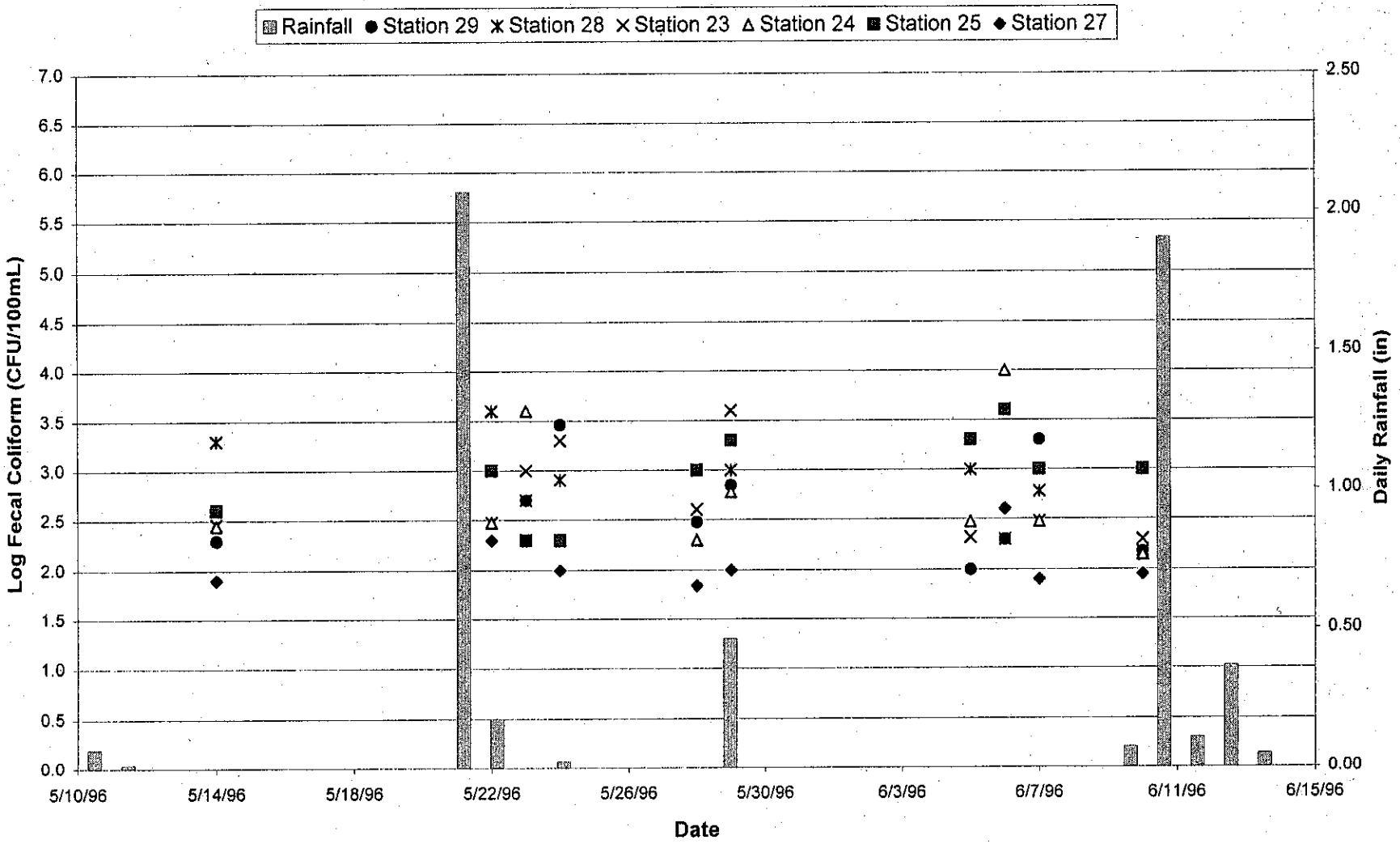
Total Nitrogen



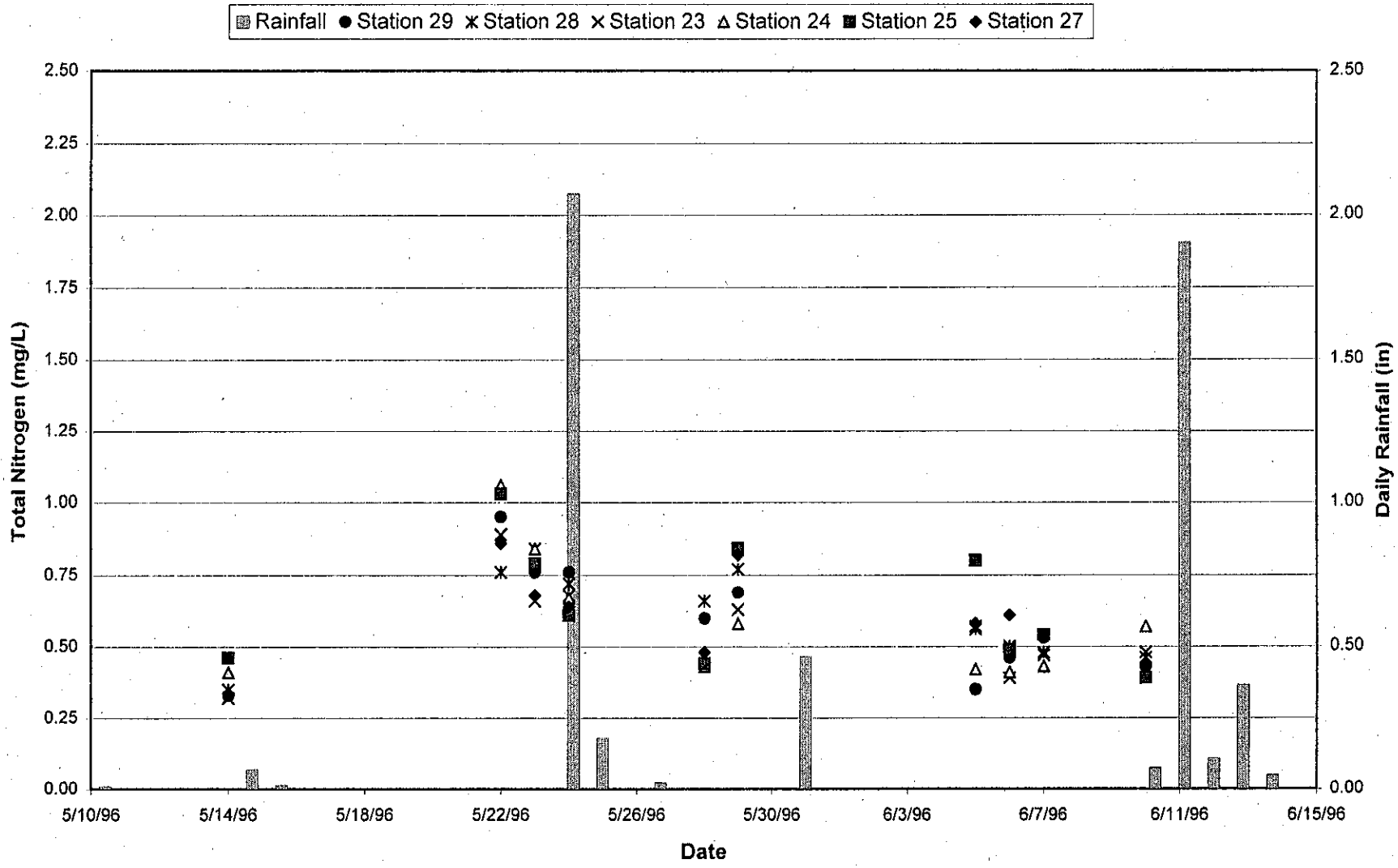
TECHNICAL MEMORANDUM NO. 2

APPENDIX E

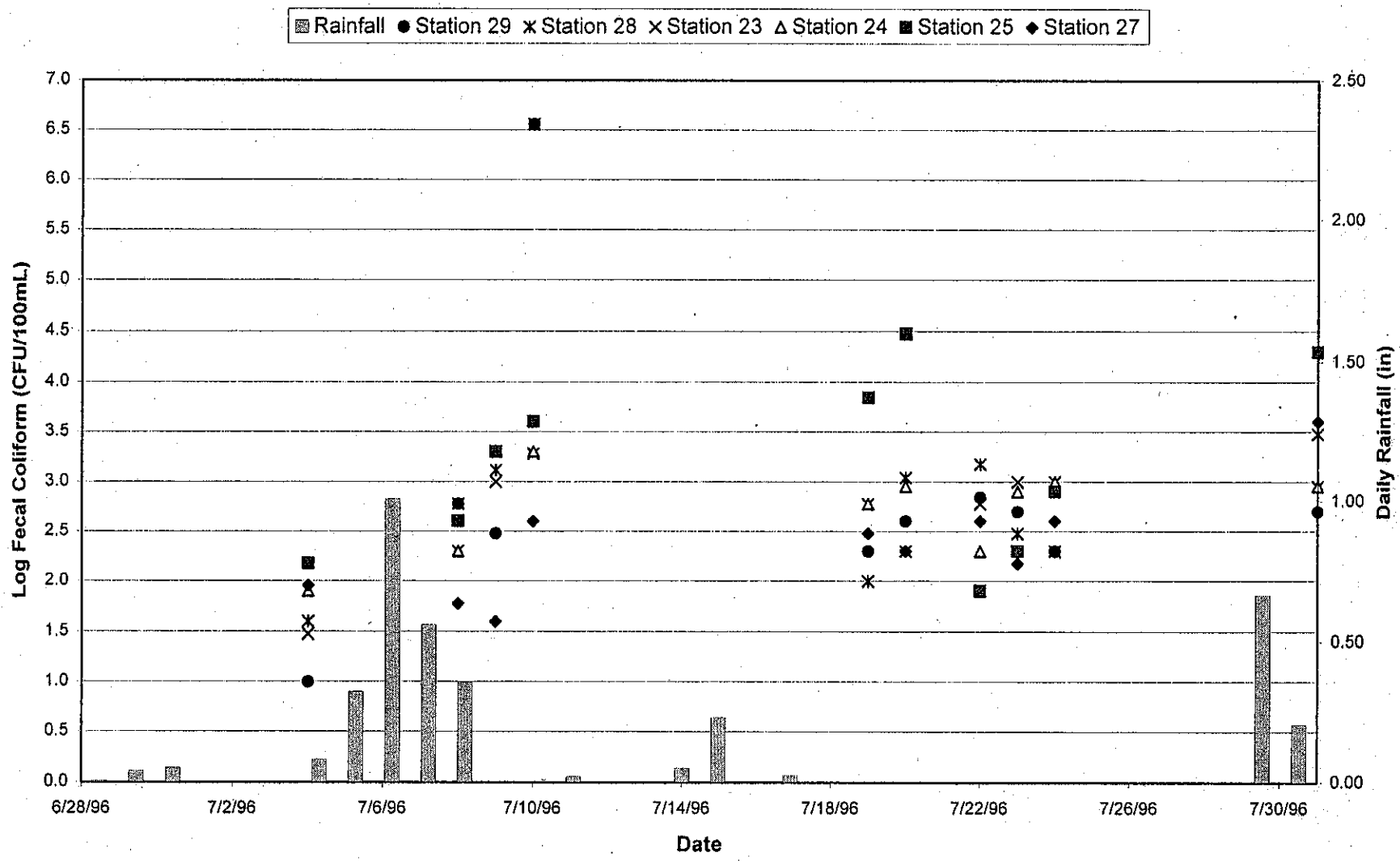
Longitudinal Study:
Upper Section Fecal Coliform and Rainfall



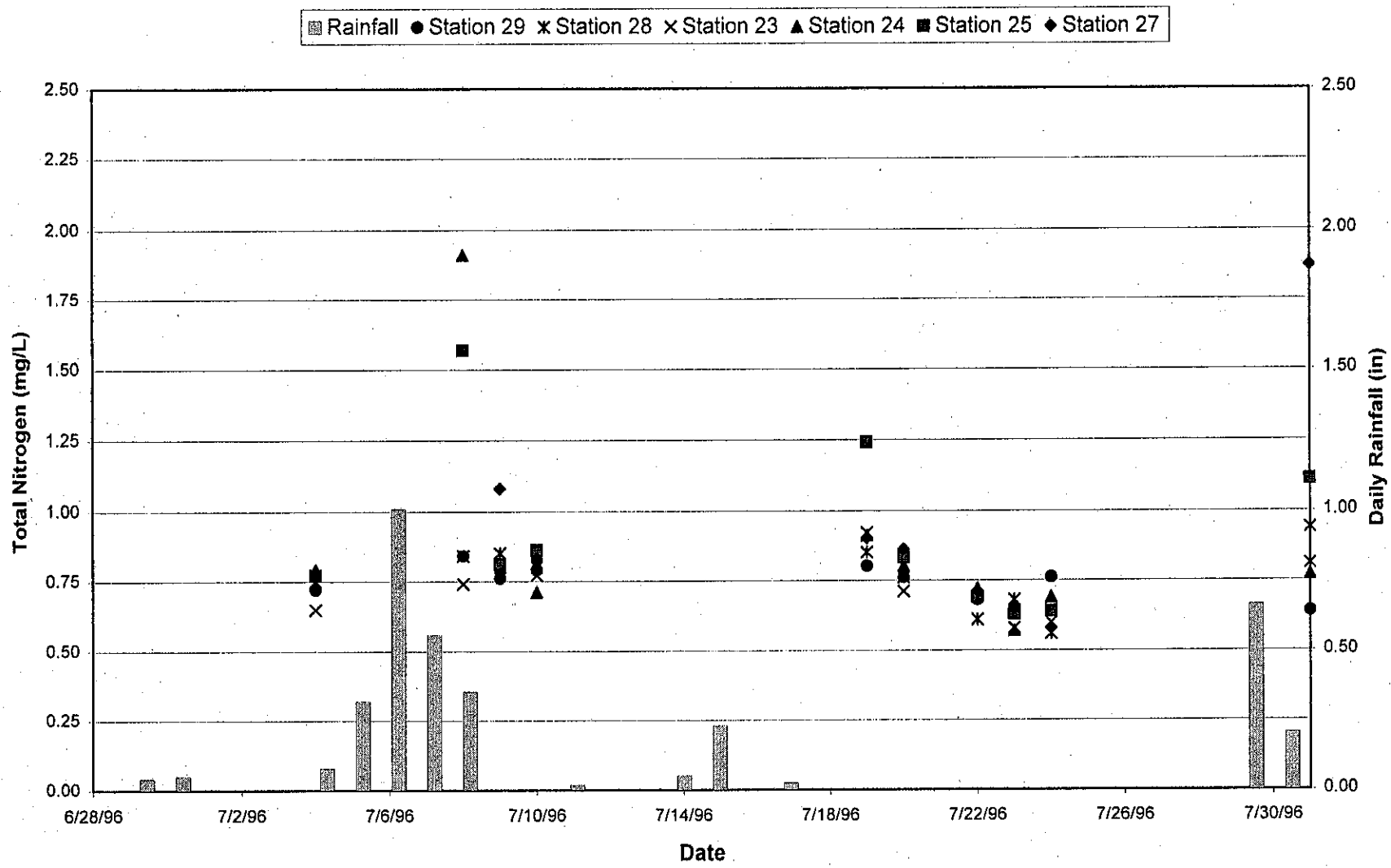
Longitudinal Study:
Upper Section Total Nitrogen and Rainfall



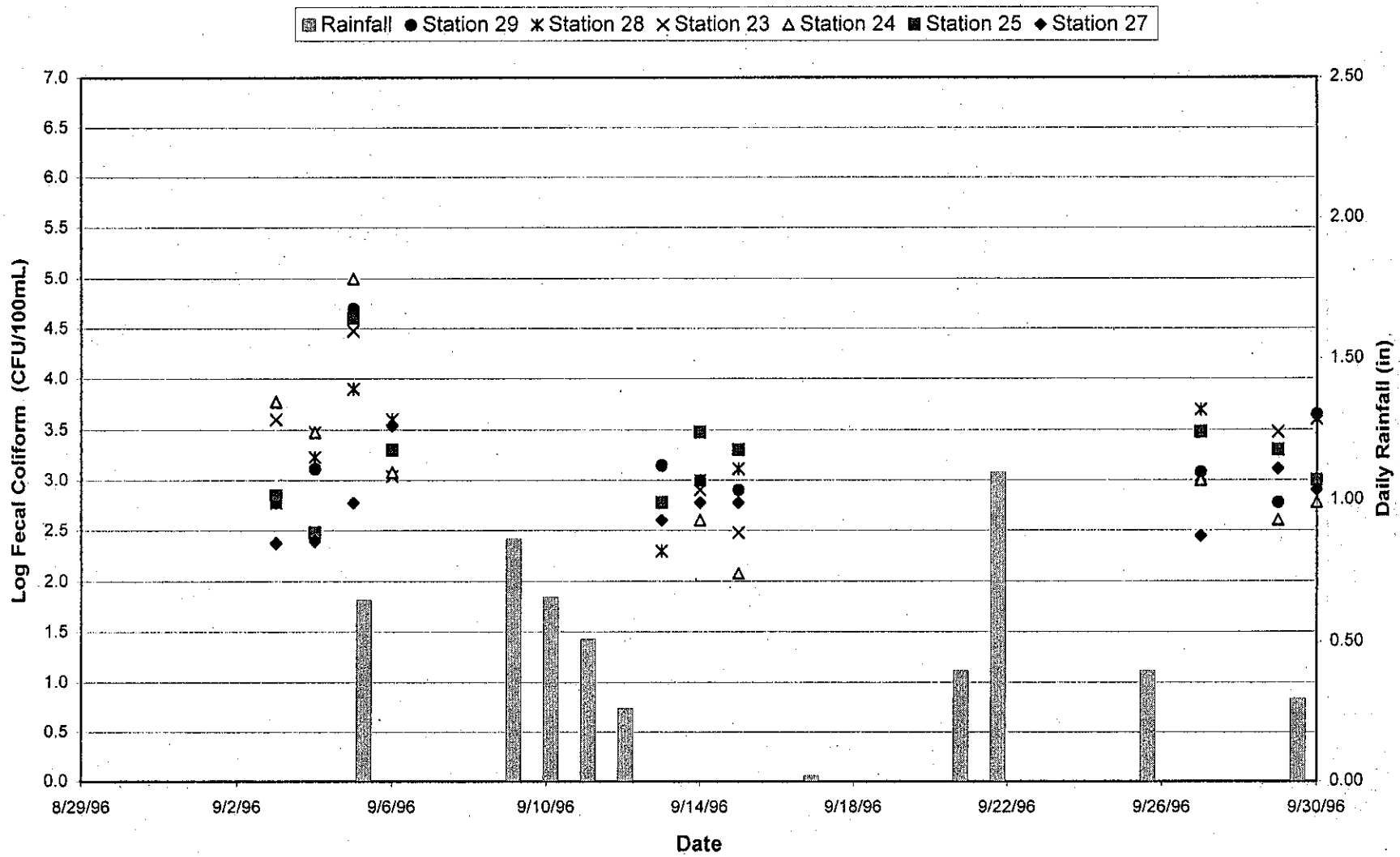
Longitudinal Study:
Upper Section Fecal Coliform and Rainfall



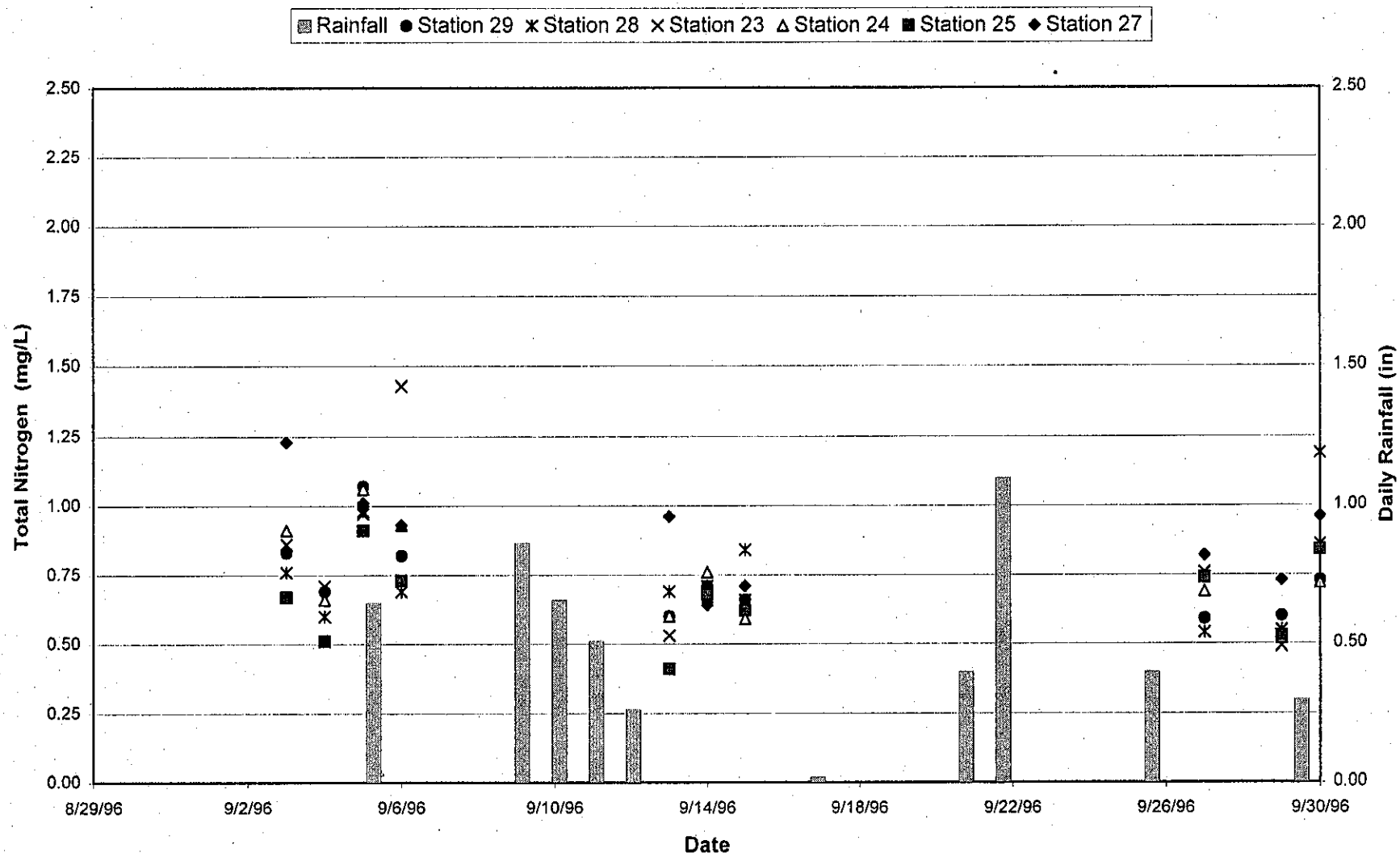
Longitudinal Study:
Upper Section Total Nitrogen and Rainfall

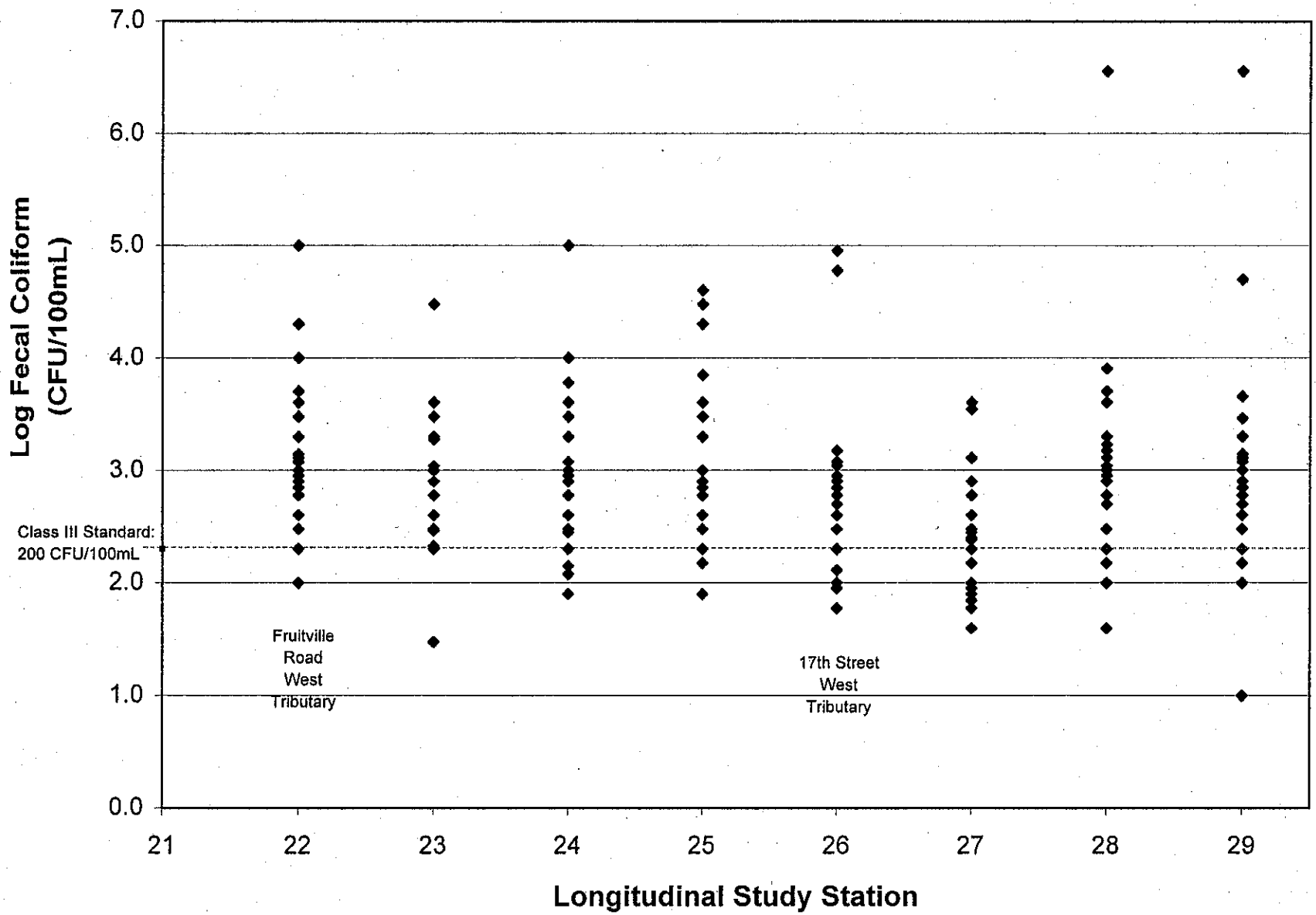


Longitudinal Study:
Upper Section Fecal Coliform and Rainfall

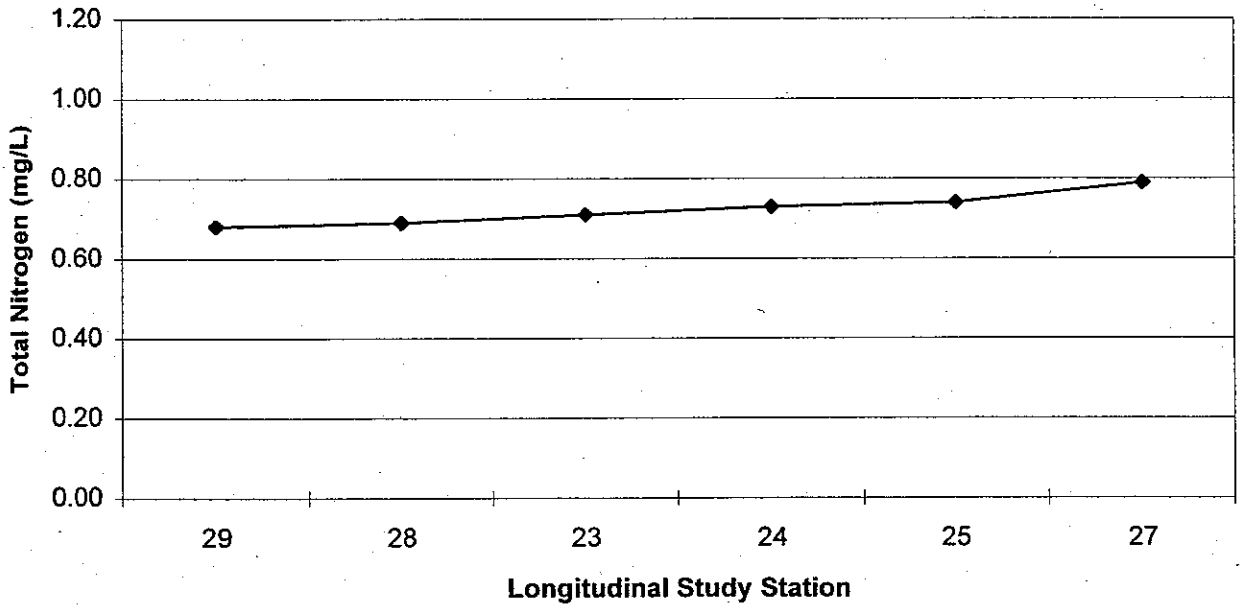


Longitudinal Study:
Upper Section Total Nitrogen and Rainfall




7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Log Fecal Coliform (CFU/100mL)
Class III Standard: 200 CFU/100mL
Fruitville Road West Tributary
17th Street West Tributary
21
22
23
24
25
26
27
28
29
Longitudinal Study Station

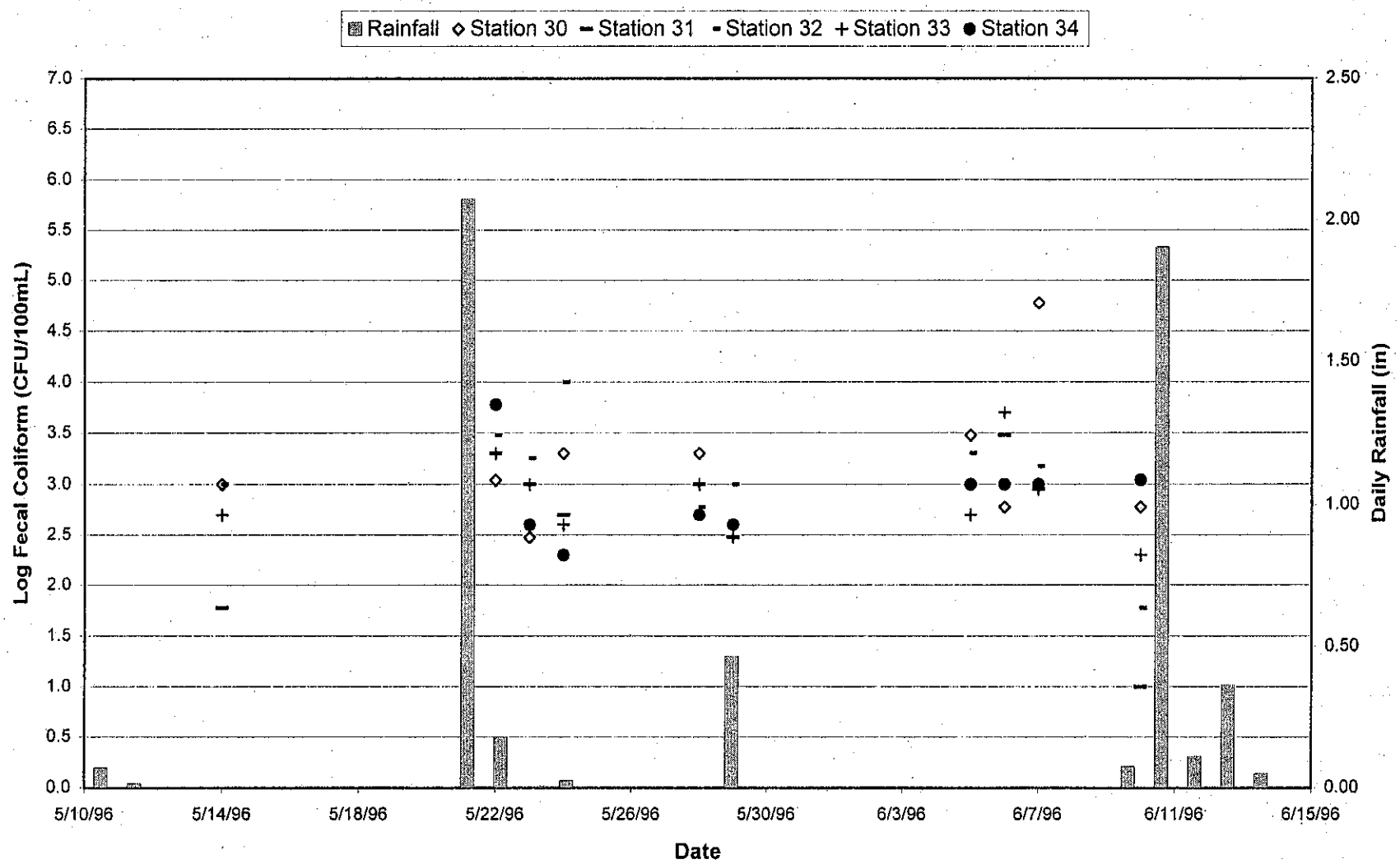
Total Nitrogen



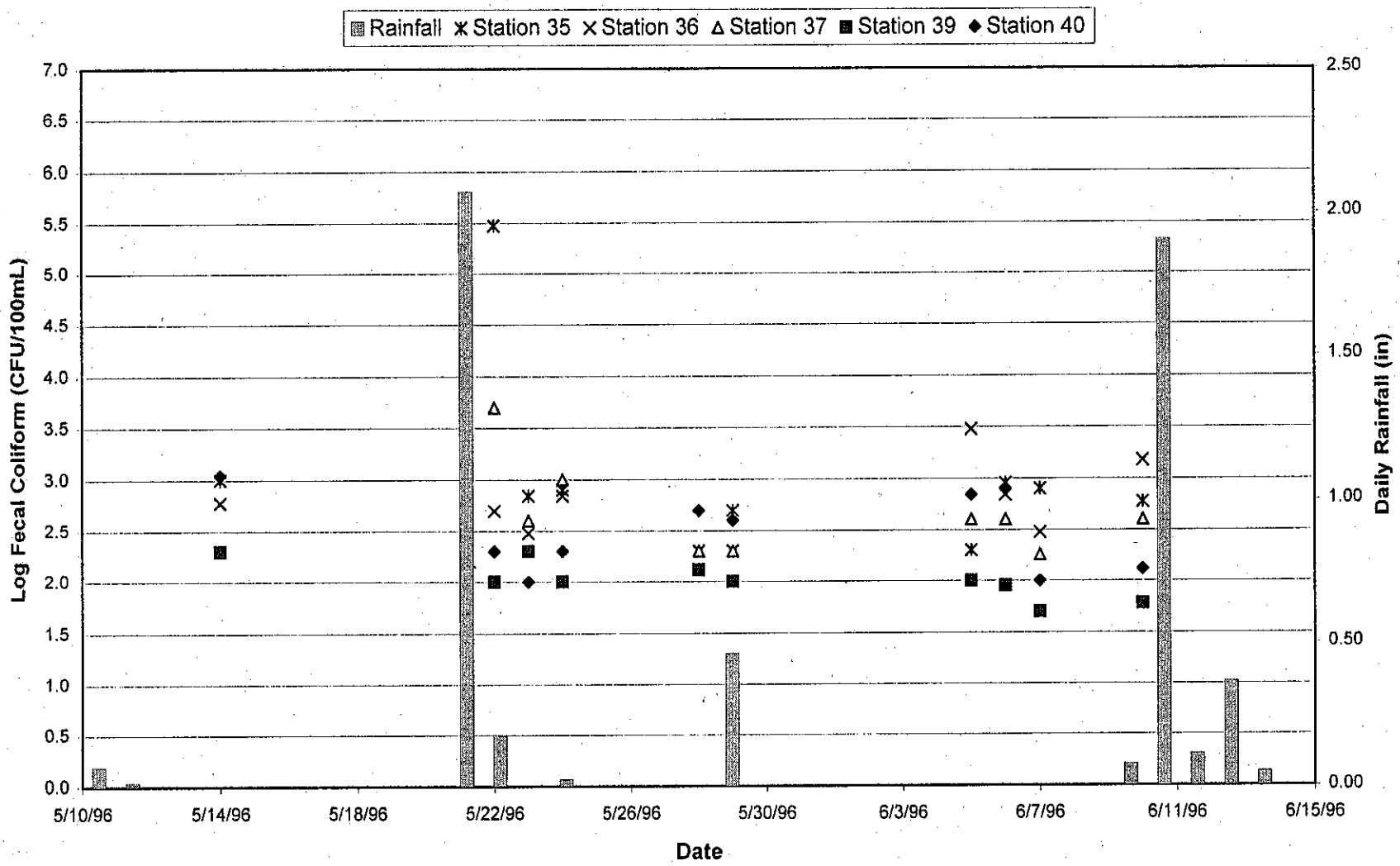
TECHNICAL MEMORANDUM NO. 2

APPENDIX F

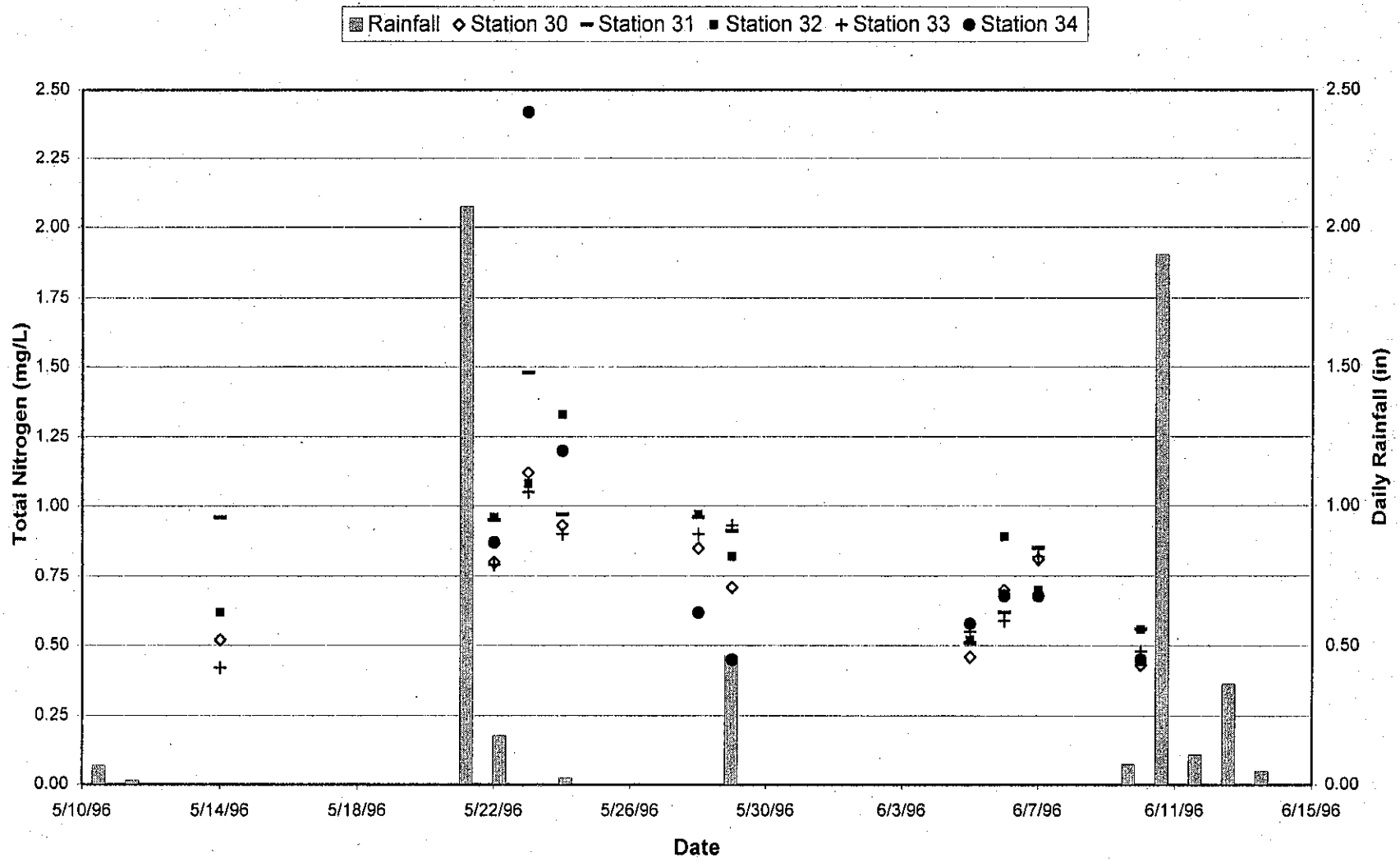
Longitudinal Study:
Main Channel Section Fecal Coliform and Rainfall



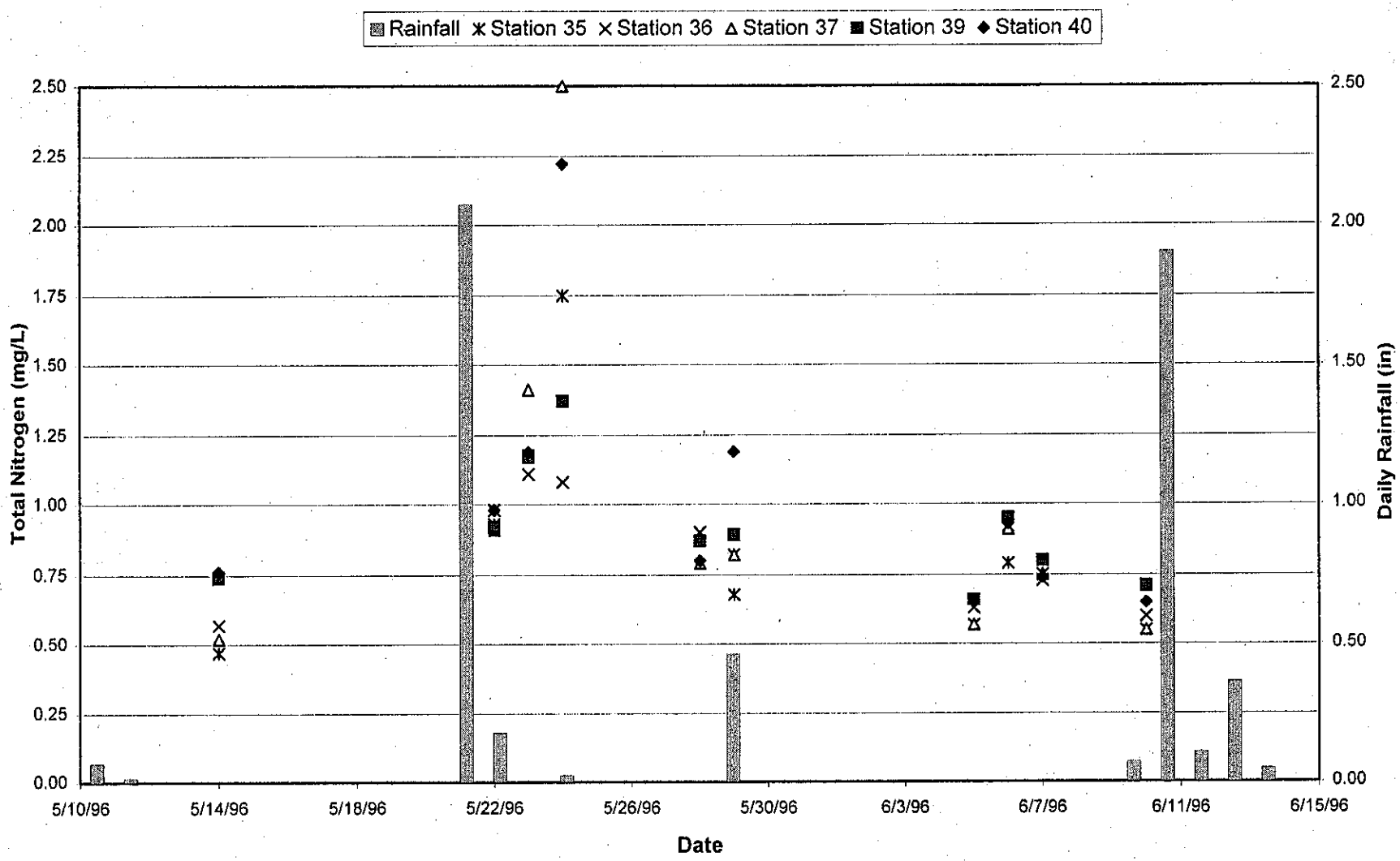
Longitudinal Study:
Main Channel Section Fecal Coliform and Rainfall



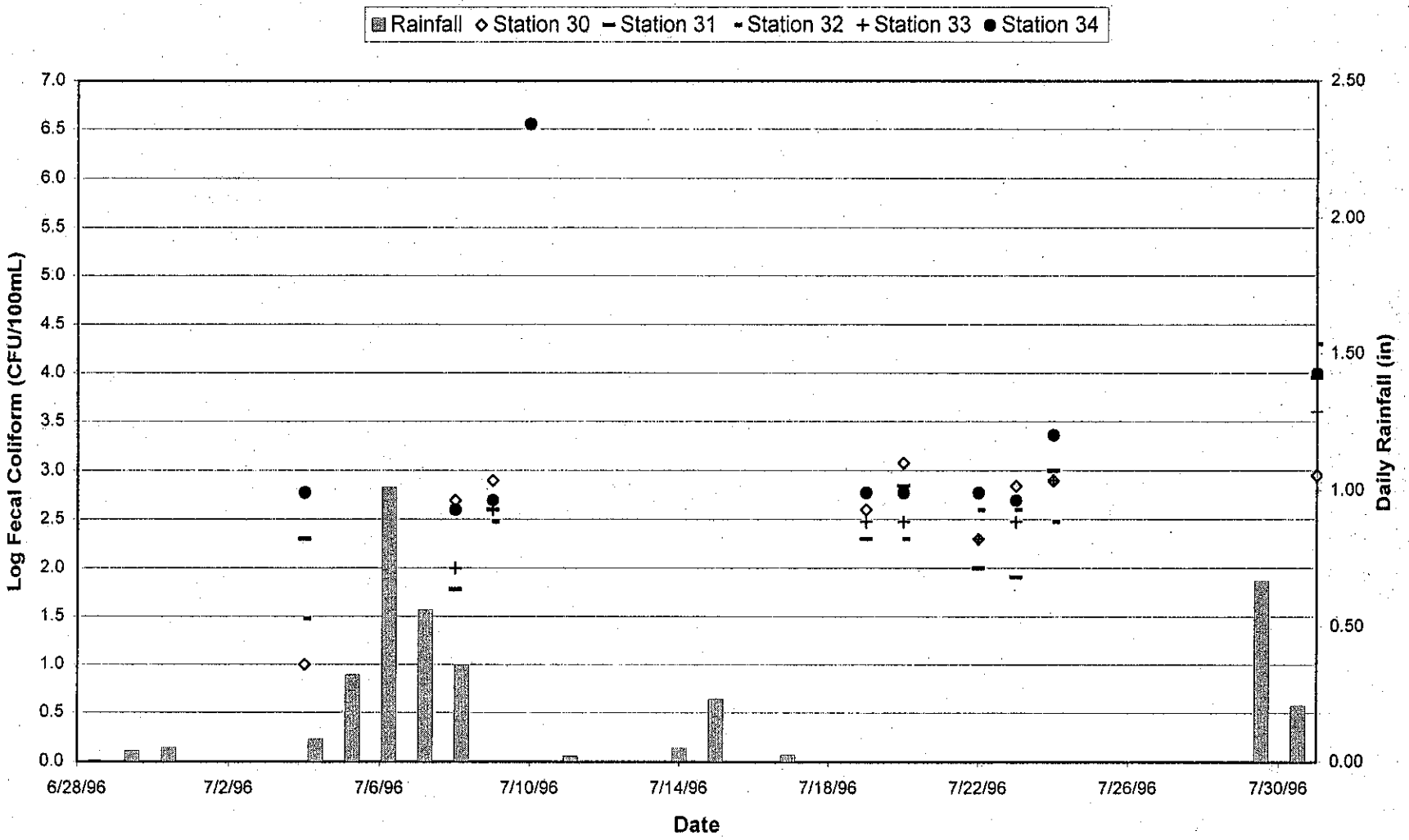
Longitudinal Study:
Main Channel Section Total Nitrogen and Rainfall



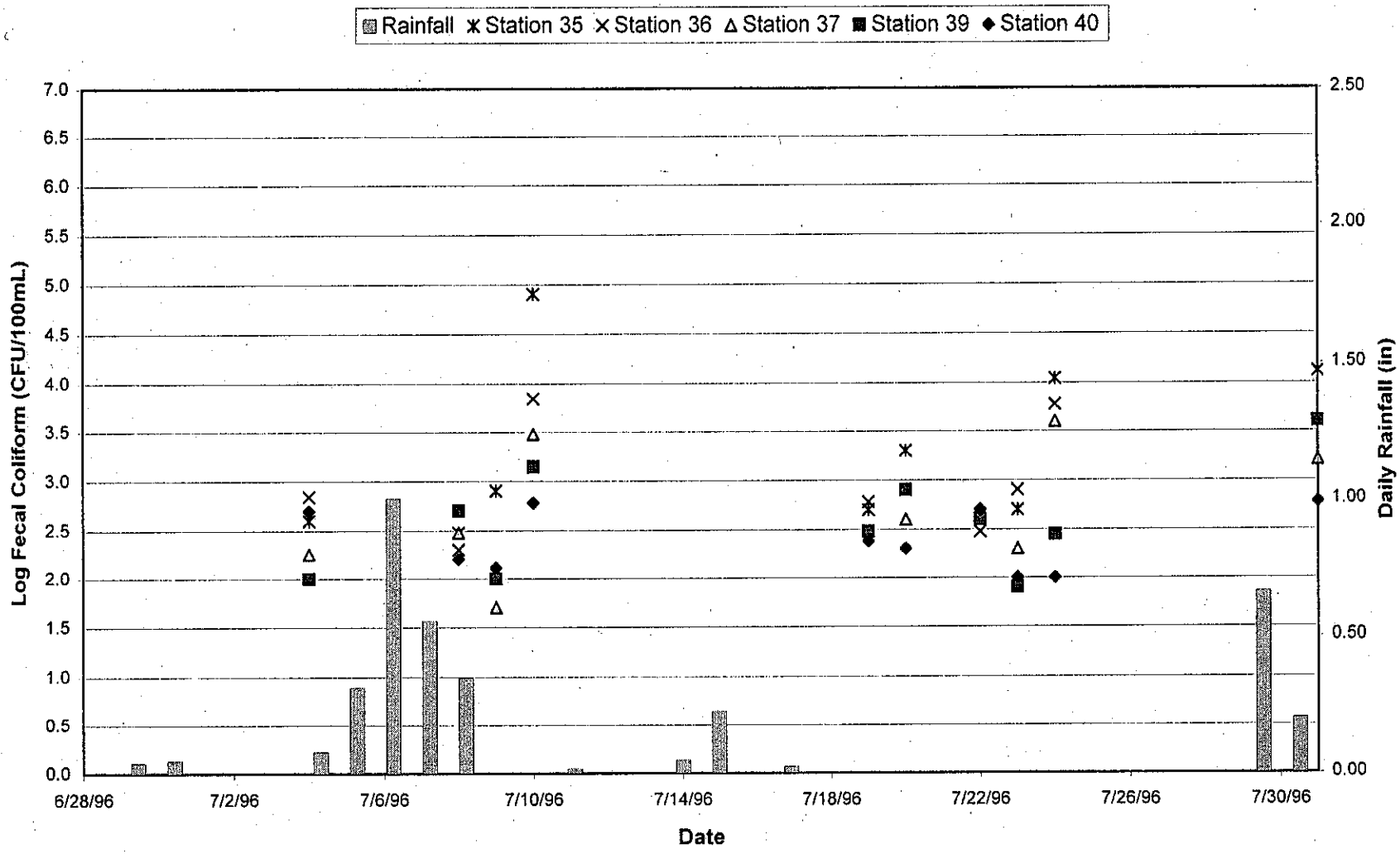
Longitudinal Study:
Main Channel Section Total Nitrogen and Rainfall



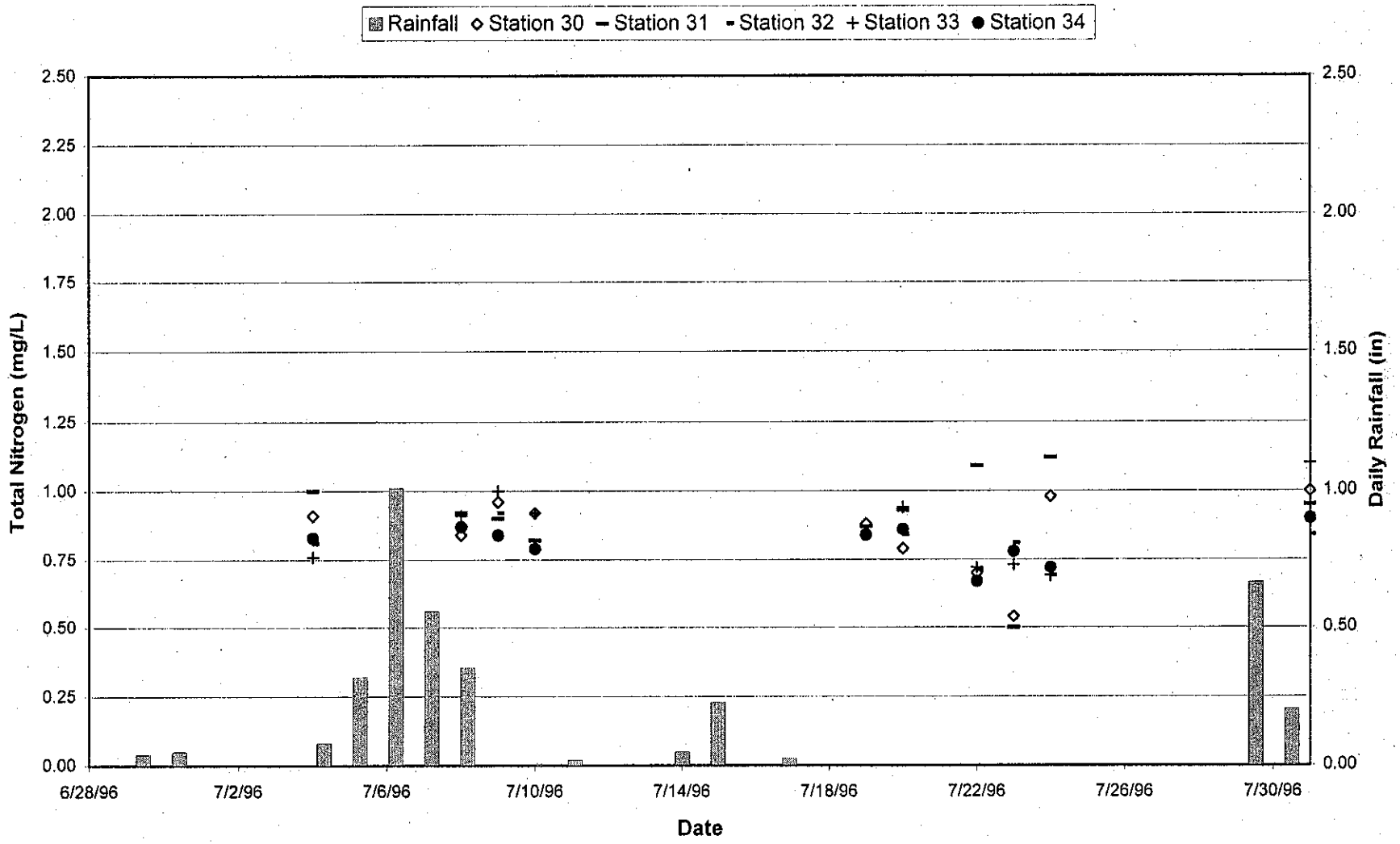
Longitudinal Study:
Main Channel Section Fecal Coliform and Rainfall



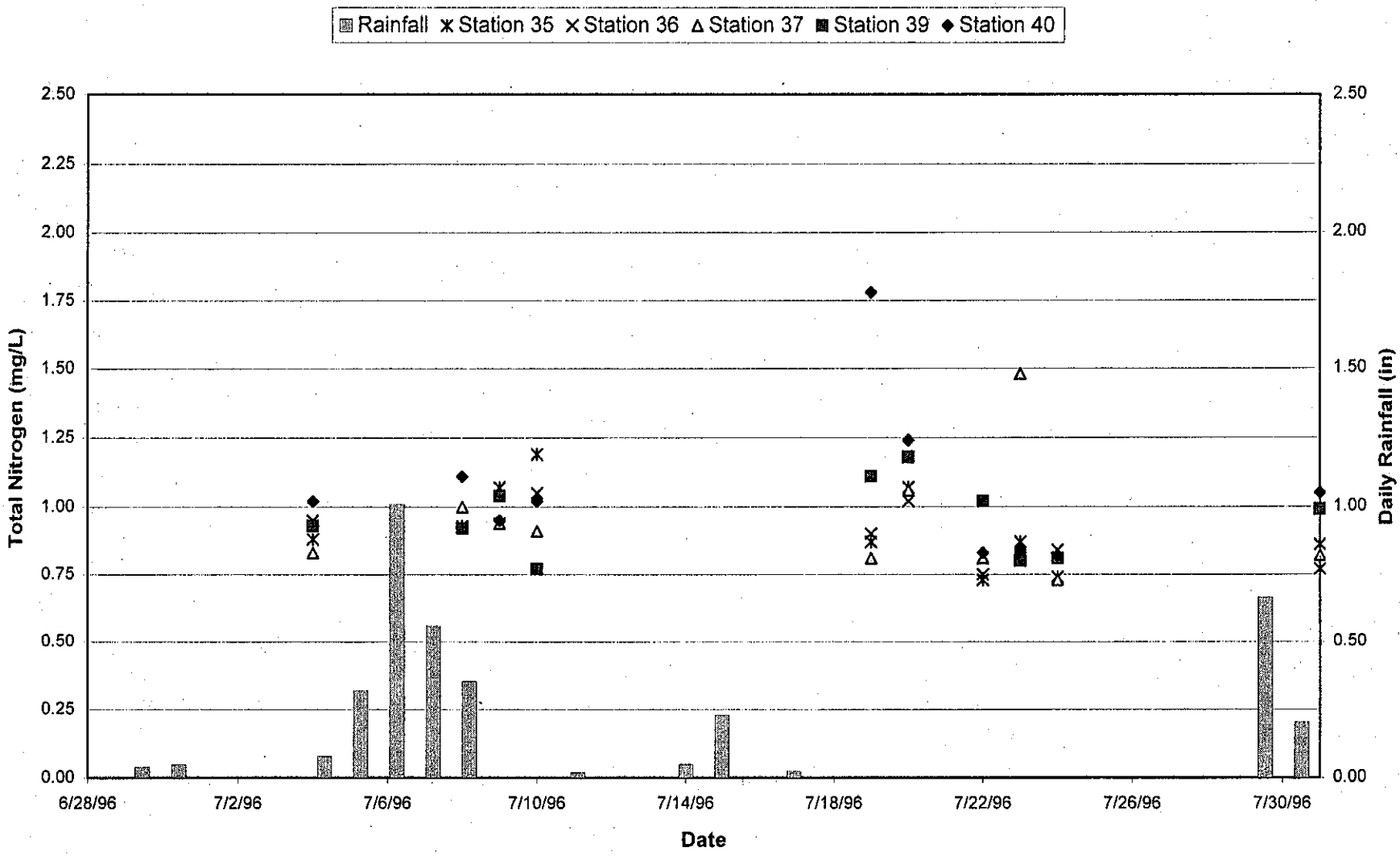
Longitudinal Study:
Main Channel Section Fecal Coliform and Rainfall



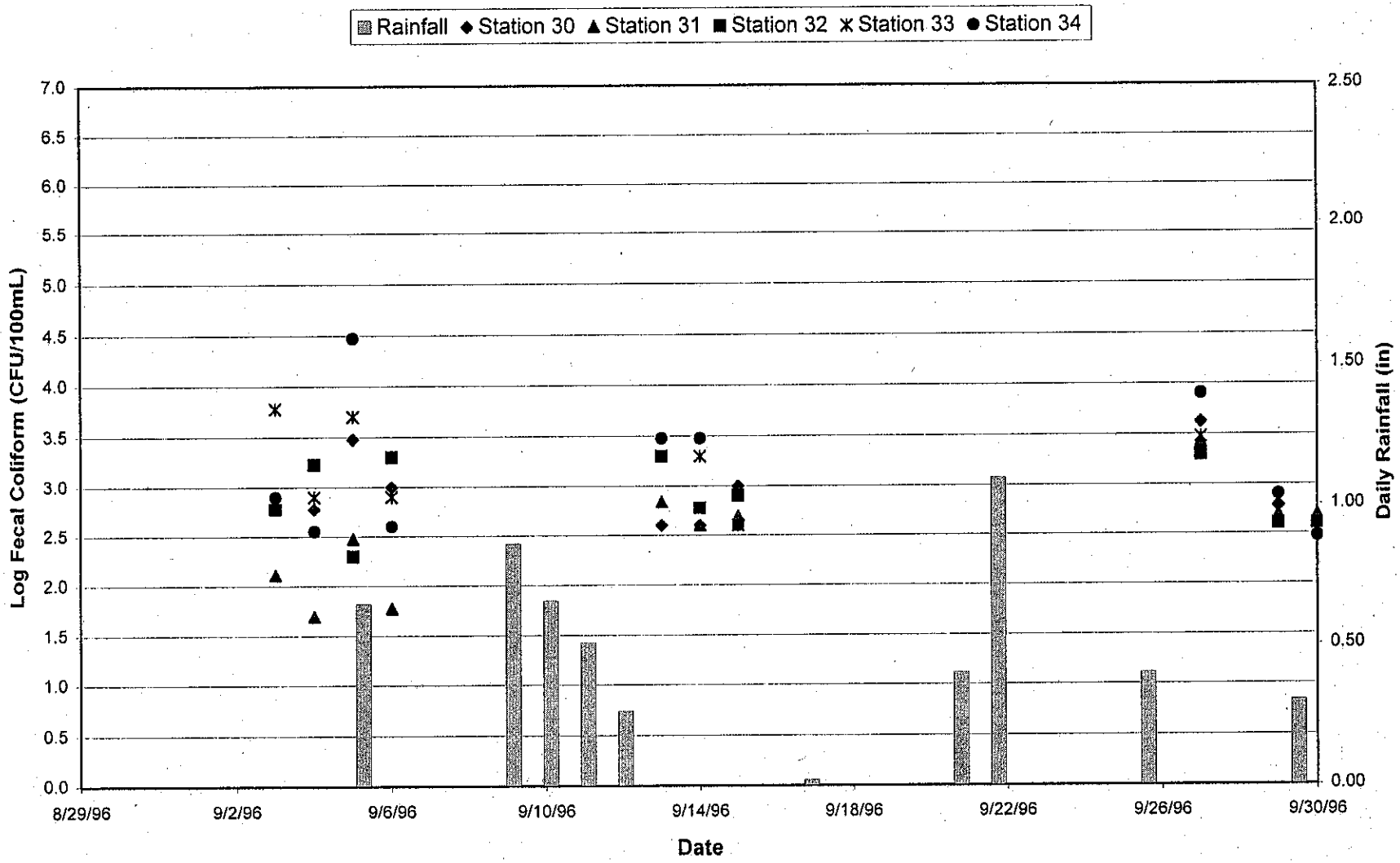
Longitudinal Study:
Main Channel Section Total Nitrogen and Rainfall



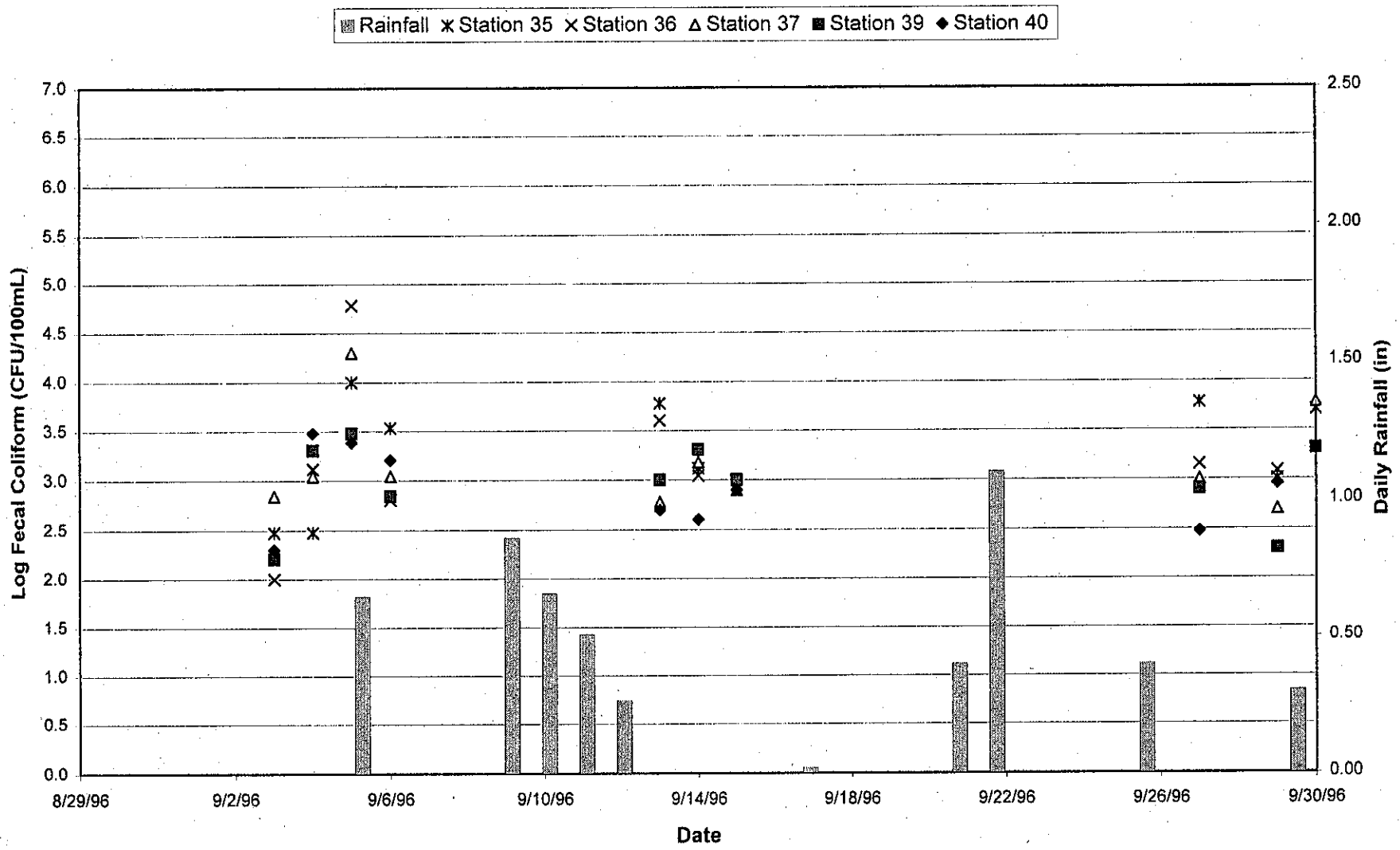
Longitudinal Study:
Main Channel Section Total Nitrogen and Rainfall



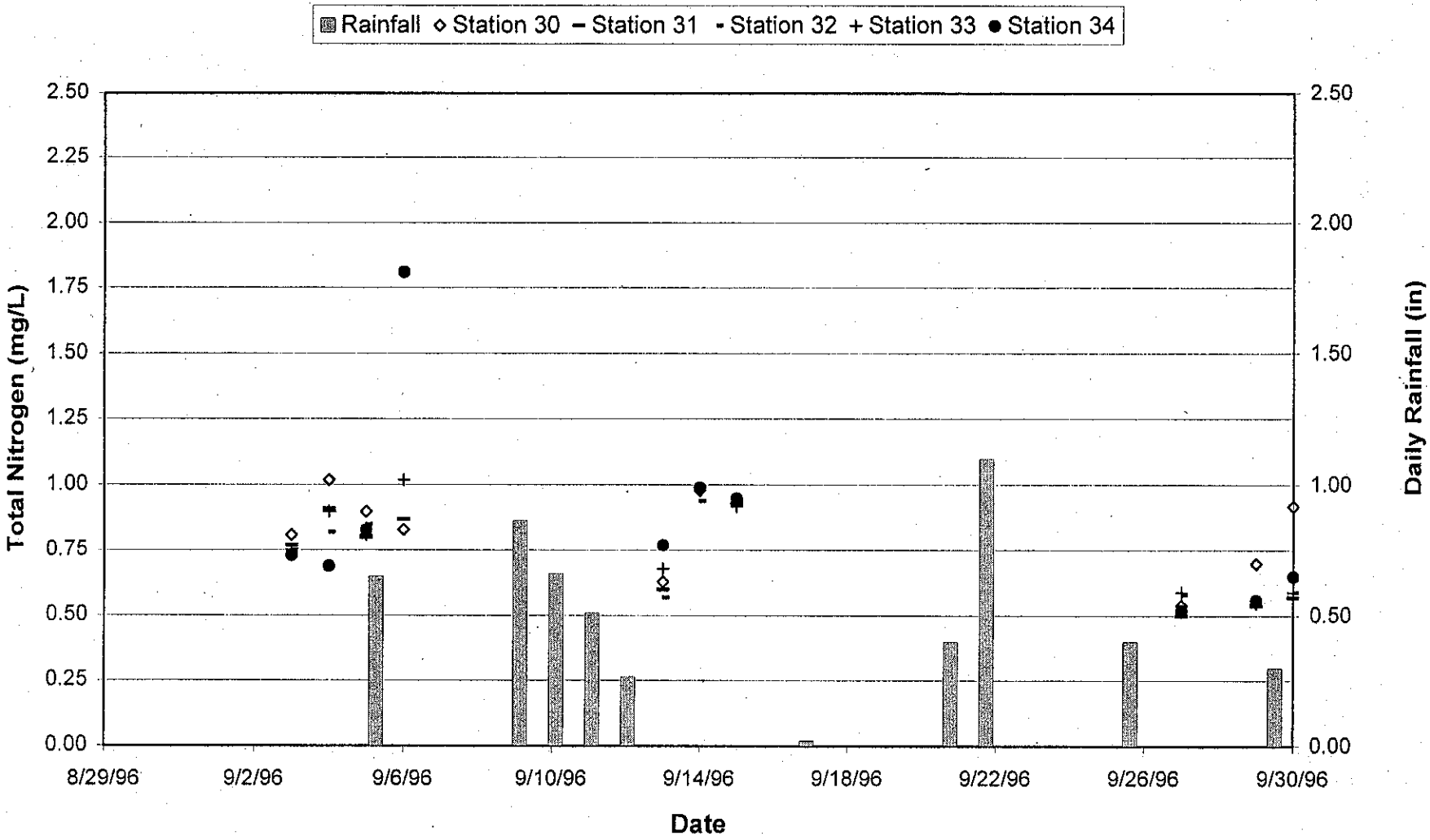
Longitudinal Study:
Main Channel Section Fecal Coliform and Rainfall



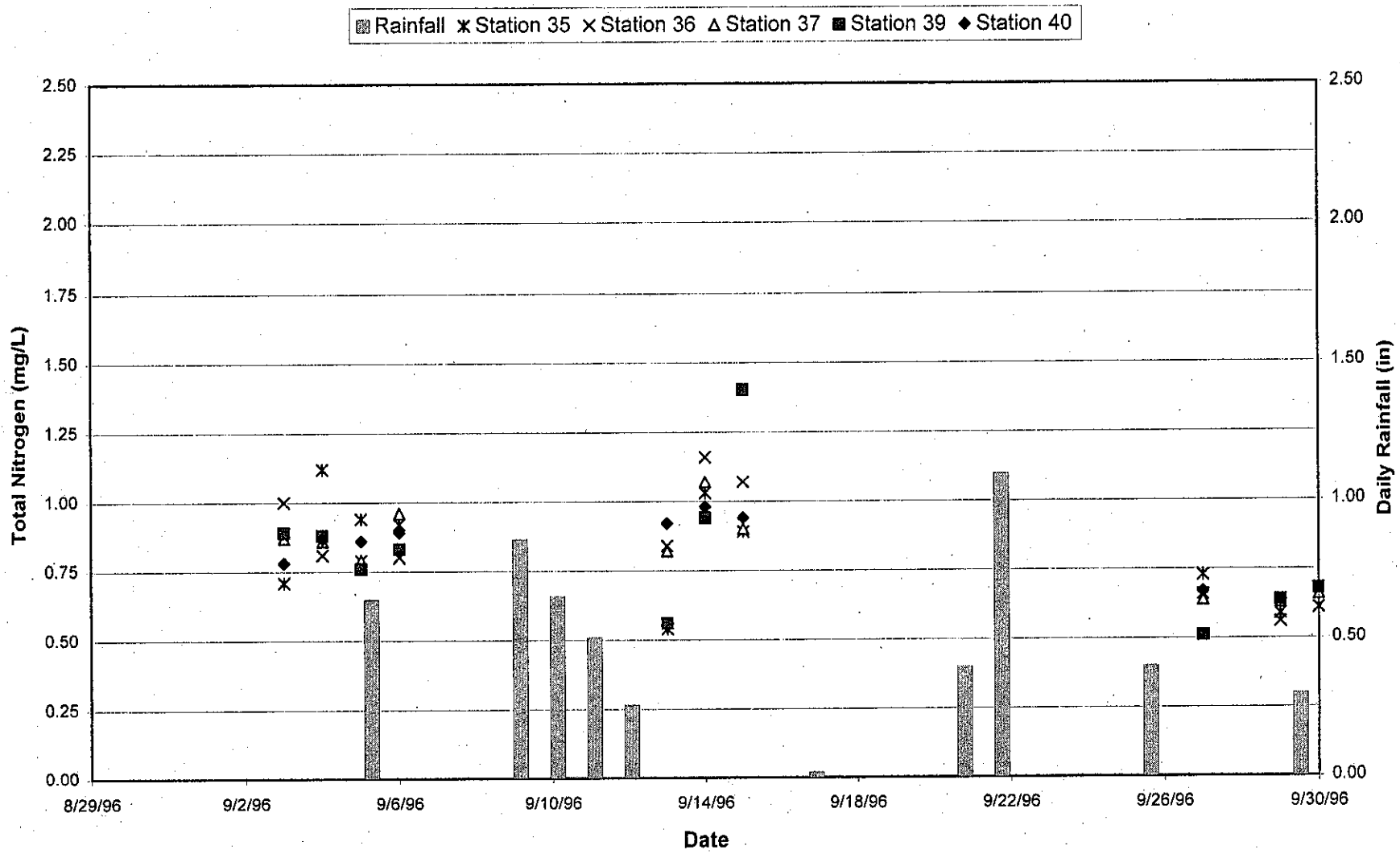
Longitudinal Study:
Main Channel Section Fecal Coliform and Rainfall

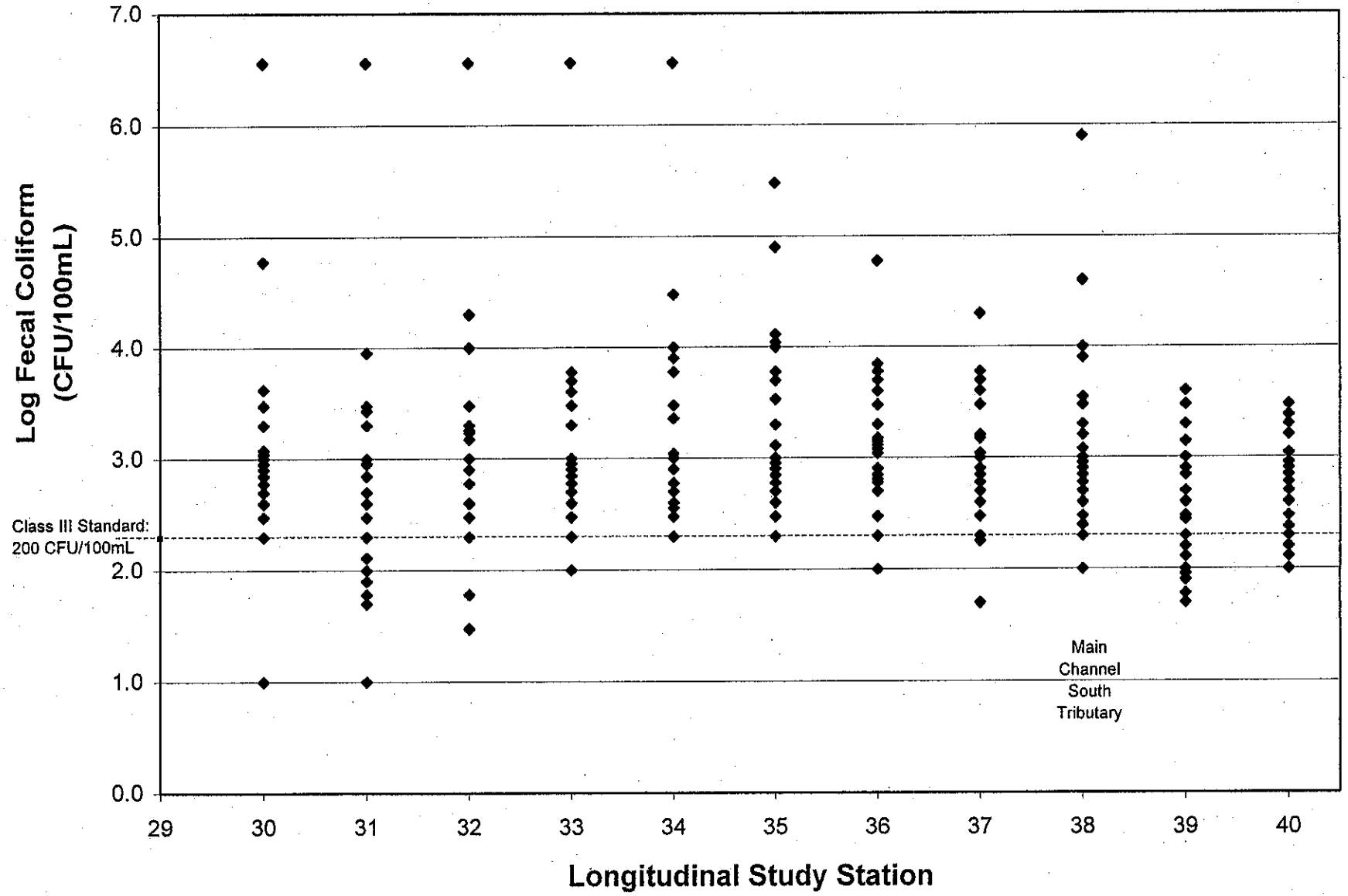


Longitudinal Study:
Main Channel Section Total Nitrogen and Rainfall

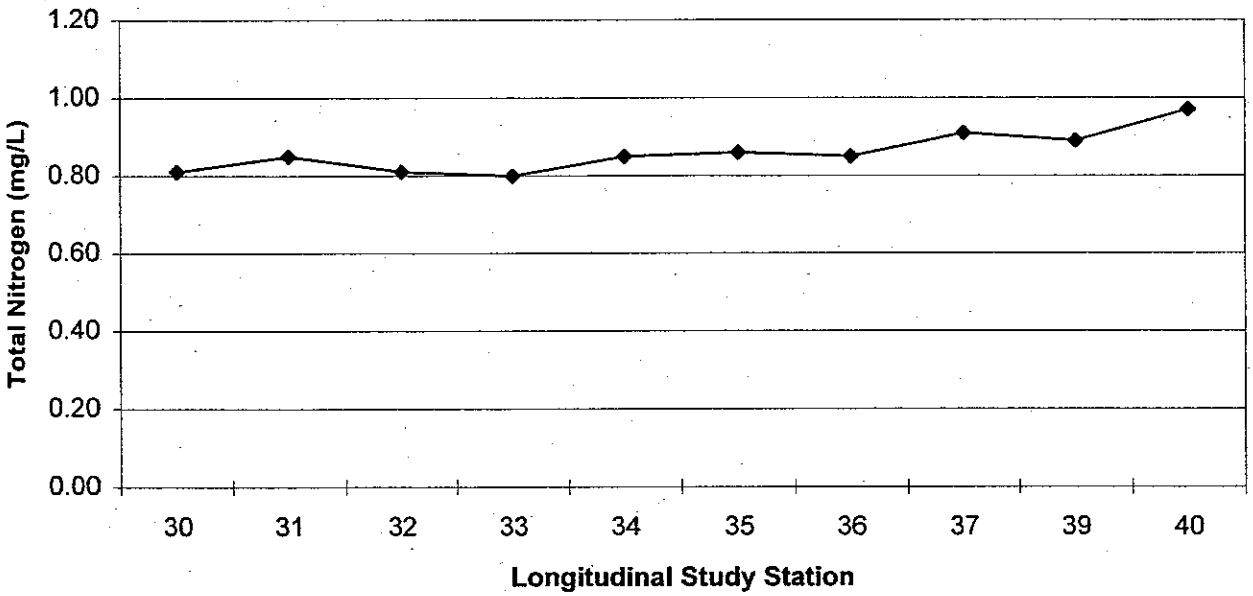


Longitudinal Study:
Main Channel Section Total Nitrogen and Rainfall




Log Fecal Coliform (CFU/100mL)
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Class III Standard: 200 CFU/100mL
29
30
31
32
33
34
35
36
37
38
39
40
Longitudinal Study Station
Main Channel South Tributary

Total Nitrogen



TECHNICAL MEMORANDUM NO. 2

APPENDIX G

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.																
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	5/14/96	16:14	7.0	3.5	28.94	7.95	6.10	27.10	42,300	5.0		<0.01	0.30	0.30	<10	<10
1 rep	5/14/96	16:20	7.0	3.5	28.95	7.95	6.10	27.10	42,300	5.0		<0.01	0.29	0.29	<10	<10
2	5/14/96	16:31	8.0	4.0	29.20	7.84	6.26	26.01	40,800	6.5		<0.01	0.27	0.27	<10	<10
3	5/14/96	16:51	5.0	2.5	29.38	7.85	6.34	25.60	40,200	4.0		<0.01	0.28	0.28	<10	<10
4	5/14/96	17:01	5.5	2.8	29.45	7.86	6.45	25.40	40,000	5.0		<0.01	0.34	0.34	<10	<10
5	5/14/96	17:13	3.0	1.5	30.25	7.65	4.91	20.10	32,400	3.0	*	<0.01	0.77	0.77	20	500
6	5/14/96	17:25	3.0	1.5	30.33	7.77	6.18	15.70	26,000	3.0	*	<0.01	0.42	0.42	60	100
7	5/14/96	17:39	3.5	1.8	30.42	7.77	6.66	10.40	18,000	3.0		<0.01	0.54	0.54	130	10000
8	5/14/96	17:49	4.0	2.0	30.26	7.71	6.10	9.30	16,300	2.5		0.02	0.57	0.59	250	40000
9	5/14/96	18:01	3.0	1.5	30.05	7.74	7.11	5.40	10,160	2.5		<0.01	0.87	0.87	200	20000
10	5/14/96	18:15	3.9	2.0	29.85	7.75	6.10	3.20	6,570	2.3		<0.01	0.81	0.81	20	4000
11	5/14/96	18:25	3.0	1.5	29.82	7.87	7.97	1.20	3,050	2.5		<0.01	0.86	0.86	110	1000
12	5/14/96	18:37	4.5	2.3	29.72	7.79	7.36	0.90	2,940	2.5		<0.01	0.50	0.50	20	1000
13	5/14/96	18:57	5.5	2.8	29.60	8.00	9.33		706	2.5		<0.01	0.48	0.48	200	6000
14	5/14/96	19:08	1.5	0.8	29.35	7.87	8.56		208	1.5	*	<0.01	0.29	0.29	<10	1000
15	5/14/96	16:10	0.4	0.2	26.00	7.10	5.10		425	0.4	*	0.09	0.40	0.49	300	3000
16	5/14/96	16:25	2.8	1.4	30.20	7.60	7.90		601	2.8	*	<0.01	0.30	0.30	200	1000
17	5/14/96	16:45	3.0	1.5	30.50	7.70	8.30		619	2.8		<0.01	0.40	0.40	1000	2000
18	5/14/96	17:10	2.8	1.4	29.10	7.80	9.00		609	2.8	*	<0.01	0.35	0.35	100	500
19	5/14/96	17:35	2.4	1.2	29.60	8.00	11.10		582	2.4	*	<0.01	0.32	0.32	100	3000
19 rep	5/14/96	17:40	2.4	1.2	29.60	8.00	11.10		583	2.4	*	<0.01	0.31	0.31	200	3000
20	5/14/96	17:55	2.7	1.4	30.30	8.10	10.60		580	2.7	*	<0.01	0.61	0.61	200	300
21	5/14/96	18:15	1.4	0.7	30.30	7.90	8.90		618	1.4	*	<0.01	0.52	0.52	600	5000
22	5/14/96	18:30	0.3	0.2	26.20	8.10	7.60		404	0.3	*	<0.01	0.41	0.41	400	5000
23	5/14/96	18:45	0.8	0.4	27.90	7.90	8.10		423	0.8	*	0.03	0.29	0.32	290	800
24	5/14/96	19:00	0.5	0.3	27.30	7.80	7.60		425	0.5	*	0.06	0.35	0.41	280	800
25	5/14/96	19:10	0.3	0.2	27.00	7.70	6.60		368	0.3	*	0.09	0.37	0.46	400	3000
26	5/14/96	19:20	0.8	0.4	27.20	7.70	7.50		353	0.8	*	<0.01	0.29	0.29	130	500
27	5/14/96	19:30	1.0	0.5	26.50	7.50	5.00		413	1.0	*	0.17	0.29	0.46	80	800
28	5/14/96	15:50	0.9	0.5	29.82	8.05	11.81		421	0.9	*	0.02	0.33	0.35	2000	6000
29	5/14/96	16:02	0.3	0.2	29.30	8.00	11.34		424	0.3	*	<0.01	0.33	0.33	200	2000
30	5/14/96	16:20	0.5	0.3	31.19	7.76	10.21		659	0.5	*	0.02	0.50	0.52	1000	1600
31	5/14/96	16:45	1.8	0.9	30.77	7.52	8.09		600	1.8	*	0.02	0.94	0.96	60	300
32	5/14/96	17:00	0.6	0.3	29.89	7.62	7.55		654	0.6	*	<0.01	0.62	0.62	1000	1000
33	5/14/96	17:10	0.5	0.3	30.06	7.44	7.33		650	0.5	*	<0.01	0.42	0.42	500	800
34	5/14/96	17:20	0.0	0.0	ue to construction in Creek											
35	5/14/96	17:25	2.1	1.1	30.92	7.66	8.76		608	2.1	*	<0.01	0.47	0.47	1000	3000
36	5/14/96	17:40	2.5	1.3	30.86	7.66	8.87		624	2.5	*	<0.01	0.57	0.57	600	1000
37	5/14/96	17:55	4.8	2.4	29.21	7.57	9.03		622	4.8	*	<0.01	0.52	0.52	200	2000
38	5/14/96	18:20	0.4	0.2	28.75	7.57	7.35		530	0.4	*	<0.01	0.49	0.49	300	500
39	5/14/96	18:30	1.3	0.7	30.48	7.69	10.07		640	1.3	*	0.02	0.72	0.74	200	1000
40	5/14/96	18:40	1.9	1.0	30.11	7.65	9.39		665	1.9	*	0.06	0.70	0.76	1100	1200
40 rep	5/14/96	18:45	1.9	1.0	30.10	7.63	9.43		665	1.9	*	0.06	0.70	0.76	1000	1200
Field Blank	5/14/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	5/14/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	5/14/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	5/22/96	6:45	6.6	3.3	26.12	7.58	3.62	26.10	41,200	6.6	*	0.02	0.53	0.55	1100	2000
2	5/22/96	7:00	4.9	2.5	26.00	7.51	3.73	23.90	37,900	4.9	*	0.04	0.59	0.63	4000	5000
3	5/22/96	7:15	4.6	2.3	25.66	7.52	4.02	23.00	36,500	4.6	*	0.15	0.51	0.66	3000	5000
4	5/22/96	7:30	10.5	5.2	26.07	7.48	3.46	24.10	38,000	2.6		0.09	0.83	0.92	10000	30000
5	5/22/96	7:45	3.3	1.6	24.47	7.18	3.63	0.40	1,720	1.6		0.12	1.67	1.79	1000	4000
6	5/22/96	7:55	3.9	2.0	24.44	7.14	3.84	0.20	1,458	1.6		0.57	0.95	1.52	2000	6000
7	5/22/96	8:15	4.9	2.5	24.61	7.07	3.41	0.70	2,350	2.0		0.17	0.95	1.12	4000	10000
8	5/22/96	8:30	3.3	1.6	24.50	7.08	4.07		688	1.6		0.14	0.60	0.74	1000	3000
8 rep	5/22/96	8:35	3.3	1.6	24.50	7.09	4.05		692	1.6		0.15	0.60	0.75	1000	4000
9	5/22/96	8:45	2.6	1.3	24.48	7.08	4.07		597	1.6		0.17	0.77	0.94	1000	4000
10	5/22/96	8:55	6.6	3.3	24.46	7.10	4.22		515	2.0		0.15	0.72	0.87	1000	7000
11	5/22/96	9:05	3.6	1.8	24.44	7.09	4.31		485	2.0		0.15	0.88	1.03	2000	9000
12	5/22/96	9:20	4.6	2.3	24.41	7.07	4.40		476	2.0		0.16	0.71	0.87	3000	7000
13	5/22/96	9:30	6.2	3.1	24.44	7.07	4.77		491	1.3		0.16	0.65	0.81	1000	8000
14	5/22/96	9:40	3.6	1.8	24.42	7.04	4.61		458	2.3		0.09	0.72	0.81	1000	7000
15	5/22/96	6:55	1.5	0.8	24.49	7.20	4.44		486	1.5	*	0.08	0.98	1.06	4000	10000
16	5/22/96	7:15	1.8	0.9	24.02	7.25	4.19		446	1.8	*	0.17	0.67	0.84	600	20000
17	5/22/96	7:30	2.5	1.3	24.09	7.28	4.48		457	2.5	*	0.17	0.83	1.00	3000	6000
18	5/22/96	7:45	2.7	1.4	24.14	7.27	4.56		463	2.7	*	0.16	1.20	1.36	1000	8000
19	5/22/96	8:10	1.1	0.6	23.96	7.27	4.49		454	1.1	*	0.19	0.92	1.11	1000	7000
20	5/22/96	8:30	2.1	1.1	23.98	7.31	4.72		449	2.1	*	0.16	0.87	1.03	800	6000
21	5/22/96	8:55	1.0	0.5	24.00	7.29	4.72		453	1.0	*	0.15	0.84	0.99	1000	5000
21 rep	5/22/96	9:00	1.0	0.5	24.00	7.29	4.72		453	1.0	*	0.15	0.84	0.99	1000	5000
22	5/22/96	9:15	1.0	0.5	24.92	7.54	6.47		378	1.0	*	0.05	0.80	0.85	3000	3000
23	5/22/96	9:20	2.0	1.0	24.47	7.34	5.26		364	2.0	*	0.06	0.83	0.89	300	3000
24	5/22/96	9:40	2.0	1.0	24.53	7.31	5.33		379	2.0	*	0.14	0.92	1.06	300	700
25	5/22/96	9:45	1.5	0.8	24.49	7.24	5.05		362	1.5	*	0.15	0.88	1.03	1000	1000
26	5/22/96	9:50	1.1	0.6	24.55	7.22	5.62		279	1.1	*	0.16	0.87	0.96	400	2000
27	5/22/96	9:55	2.7	1.4	24.46	7.09	3.85		388	2.7	*	0.09	0.75	0.86	200	6000
28	5/22/96	6:37	0.5	0.3	24.48	6.97	5.62		375	0.5	*	0.11	0.66	0.76	4000	5000
29	5/22/96	6:47	0.7	0.4	24.42	7.21	6.05		320	0.7	*	0.10	0.78	0.95	1000	4000
30	5/22/96	6:57	1.3	0.7	24.06	6.43	4.47		473	1.3	*	0.17	0.65	0.80	1100	5000
31	5/22/96	7:11	3.1	1.5	24.05	6.88	4.86		441	1.5		0.15	0.81	0.95	2000	2000
32	5/22/96	7:22	2.7	1.4	24.07	6.81	4.82		469	1.5		0.14	0.82	0.96	3000	4000
33	5/22/96	7:40	2.9	1.4	24.08	6.70	4.29		567	1.5		0.14	0.65	0.79	2000	10000
34	5/22/96	7:55	2.6	1.3	24.06	6.89	4.67		520	1.3		0.14	0.72	0.87	6000	10000
35	5/22/96	8:05	2.0	1.0	24.09	6.65	4.72		553	1.5		0.15	0.77	0.93	300000	600000
36	5/22/96	8:10	2.6	1.3	24.25	6.55	5.17		563	1.8		0.16	0.82	0.98	500	6000
37	5/22/96	8:16	4.9	2.5	24.54	6.70	4.58		545	2.5		0.16	0.75	0.91	5000	50000
38	5/22/96	8:23	2.0	1.0	24.64	6.57	5.13		380	2.0	*	0.10	0.70	0.80	1000	2000
39	5/22/96	8:30	2.0	1.0	24.44	6.58	4.18		567	2.0	*	0.17	0.75	0.92	100	6000
39 rep	5/22/96	8:35	2.0	1.0	24.44	6.58	4.16		567	2.0	*	0.15	0.78	0.93	200	5000
40	5/22/96	8:40	1.8	0.9	24.56	6.62	4.13		635	1.5		0.17	0.81	0.98	200	2000
Field Blank	5/22/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<10	<10
Control Before	5/22/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	5/22/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	5/23/96	8:05	5.6	2.8	26.77	7.76	3.81	26.40	41,200	5.6	*	<0.01	0.88	0.88	<10	100
2	5/23/96	8:20	6.2	3.1	26.77	7.76	3.97	25.30	39,700	6.2	*	<0.01	0.71	0.71	90	100
3	5/23/96	8:35	3.9	2.0	26.38	7.70	3.81	22.90	36,100	3.9	*	<0.01	0.82	0.82	100	1000
4	5/23/96	8:50	13.1	6.6	26.46	7.71	3.67	22.80	36,100	6.6		0.08	0.77	0.85	1000	4000
5	5/23/96	9:00	6.6	3.3	26.21	7.37	1.51	18.10	29,800	3.3		0.10	0.89	0.99	200	2000
6	5/23/96	9:10	3.9	2.0	25.82	7.40	2.77	4.40	9,270	2.3		0.12	0.95	1.07	1000	1000
7	5/23/96	9:25	4.6	2.3	26.28	7.36	1.87	15.50	24,300	1.6		0.15	0.97	1.12	300	1000
8	5/23/96	9:35	3.3	1.6	26.17	7.43	4.37	0.10	1,124	2.3		0.16	1.06	1.22	800	900
9	5/23/96	9:45	2.3	1.1	26.25	7.42	4.04		732	2.0		0.15	0.91	1.06	700	800
10	5/23/96	9:55	6.9	3.4	26.31	7.41	4.01		623	2.3		0.16	0.77	0.93	200	3000
11	5/23/96	10:05	5.2	2.6	26.29	7.41	4.39		562	2.3		0.16	0.96	1.12	1000	3000
12	5/23/96	10:20	4.3	2.1	26.26	7.38	4.51		529	2.3		0.18	0.90	1.08	1000	2000
13	5/23/96	10:30	5.6	2.8	26.06	7.39	4.81		531	2.3		0.18	0.72	0.90	1000	3000
13 rep	5/23/96	10:35	5.6	2.8	26.08	7.40	4.90		535	2.3		0.19	0.72	0.91	500	1000
14	5/23/96	10:45	2.0	1.0	26.53	7.40	5.13		506	2.0	*	0.22	0.83	1.05	400	1000
15	5/23/96	7:30	1.5	0.8	25.03	7.21	4.83		494	1.5	*	0.08	0.96	1.04	7000	8000
16	5/23/96	7:50	2.5	1.3	25.43	7.22	4.77		502	2.5	*	0.21	0.88	1.09	3000	6000
17	5/23/96	8:10	2.4	1.2	25.43	7.22	4.59		507	2.4	*	0.21	0.78	0.99	1000	3000
18	5/23/96	8:20	2.0	1.0	25.38	7.25	4.85		515	2.0	*	0.21	0.70	0.91	1000	4000
19	5/23/96	8:30	2.5	1.3	25.06	7.28	7.77		513	2.5	*	0.21	0.74	0.95	1800	1800
20	5/23/96	8:45	2.0	1.0	25.14	7.28	5.20		502	2.0	*	0.22	0.74	0.96	800	2000
21	5/23/96	8:55	1.8	0.9	25.29	7.28	5.52		531	1.8	*	0.25	0.76	1.01	500	1000
22	5/23/96	9:05	0.5	0.3	24.77	7.48	6.84		381	0.5	*	0.08	0.80	0.88	1000	4000
23	5/23/96	9:15	1.5	0.8	24.90	7.39	5.83		380	1.5	*	0.15	0.51	0.66	1000	1000
24	5/23/96	9:20	1.0	0.5	25.05	7.37	5.85		381	1.0	*	0.16	0.68	0.84	4000	4000
24 rep	5/23/96	9:22	1.0	0.5	25.04	7.38	5.77		381	1.0	*	0.15	0.70	0.85	2000	4000
25	5/23/96	9:30	0.8	0.4	24.93	7.28	5.34		315	0.8	*	0.16	0.63	0.79	200	1000
26	5/23/96	9:35	0.3	0.2	25.08	7.37	6.31		305	0.3	*	0.16	1.06	1.22	100	400
27	5/23/96	9:45	0.8	0.4	24.90	7.22	4.21		394	0.8	*	0.11	0.57	0.68	200	600
28	5/23/96	8:30	0.3	0.2	24.85	7.86	5.86		383	0.3	*	0.15	0.69	0.84	500	600
29	5/23/96	8:40	0.2	0.1	24.79	7.25	6.22		378	0.2	*	0.14	0.62	0.76	500	1000
30	5/23/96	9:00	0.3	0.2	25.41	7.28	5.84		540	0.3	*	0.26	0.86	1.12	300	1000
31	5/23/96	9:15	1.3	0.6	25.40	7.30	6.12		535	1.3	*	0.25	1.23	1.48	1000	1000
32	5/23/96	9:30	1.4	0.7	25.48	7.15	5.82		540	1.4	*	0.26	0.82	1.08	1800	4000
33	5/23/96	9:40	1.0	0.5	25.46	7.22	5.29		539	1.0	*	0.29	0.76	1.05	1000	2500
34	5/23/96	9:50	3.9	2.0	25.49	7.30	5.67		534	0.8		0.26	2.16	2.42	400	2000
35	5/23/96	10:00	1.1	0.6	25.65	7.03	5.72		543	1.1	*	0.26	0.92	1.18	700	3000
36	5/23/96	10:11	2.0	1.0	25.94	7.25	6.17		530	2.0	*	0.25	0.86	1.11	300	1000
37	5/23/96	10:22	4.6	2.3	26.04	7.48	5.58		543	4.6	*	0.29	1.12	1.41	400	1000
38	5/23/96	10:36	0.6	0.3	26.84	7.31	6.13		452	0.6	*	0.23	0.66	0.89	100	500
39	5/23/96	10:50	1.9	0.9	25.84	7.20	6.18		530	1.9	*	0.25	0.92	1.17	200	200
40	5/23/96	11:00	2.8	1.4	25.96	6.94	5.16		573	2.8	*	0.23	0.96	1.19	100	800
40 rep	5/23/96	11:03	2.8	1.4	25.98	6.97	5.13		570	2.8	*	0.22	0.99	1.21	100	1000
Field Blank	5/23/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control Before	5/23/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	5/23/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.																
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	5/24/96	10:30	5.9	3.0	27.84	7.93	5.33	26.00	40,700	5.9	*	<0.01	0.48	0.48	100	2000
2	5/24/96	10:45	4.3	2.1	27.93	7.91	5.58	24.50	38,600	4.3	*	<0.01	0.38	0.38	<10	<10
3	5/24/96	10:55	3.9	2.0	27.85	7.86	5.83	22.20	35,100	3.9	*	<0.01	0.48	0.48	10	50
4	5/24/96	11:05	6.2	3.1	27.83	7.88	5.75	22.90	36,300	6.2	*	<0.01	0.48	0.48	10	30
5	5/24/96	11:15	2.0	1.0	28.19	7.55	4.41	7.40	12,990	2.0	*	0.07	0.76	0.83	100	100
6	5/24/96	11:25	3.3	1.6	28.13	7.56	4.52	4.10	8,220	2.0		0.13	0.85	0.98	500	500
7	5/24/96	11:35	4.6	2.3	27.68	7.56	2.93	19.70	31,900	2.3		0.15	0.72	0.87	300	700
8	5/24/96	11:45	3.3	1.6	27.96	7.45	3.51	7.20	12,970	2.3		0.63	0.85	1.48	400	4000
9	5/24/96	12:00	2.0	1.0	28.70	7.52	4.26		861	1.6		0.19	0.69	0.88	500	2000
10	5/24/96	12:05	4.6	2.3	28.79	7.45	3.77		655	2.0		0.18	0.55	0.73	1000	1000
11	5/24/96	12:15	5.2	2.6	29.19	7.49	4.29		604	2.3		0.19	0.52	0.71	200	1000
12	5/24/96	12:25	3.9	2.0	28.18	7.46	4.53		563	2.0		0.20	0.52	0.72	300	2000
13	5/24/96	12:40	5.2	2.6	28.11	7.46	4.72		549	2.3		0.19	0.76	0.95	500	1300
14	5/24/96	12:50	3.3	1.6	28.71	7.47	5.41		552	2.3		0.21	0.96	1.17	300	2000
14 rep	5/24/96	12:55	3.3	1.6	28.70	7.49	5.40		548	2.3		0.21	0.89	1.10	600	2000
15	5/24/96	10:30	1.2	0.6	26.58	7.34	5.46		516	1.2	*	0.14	0.61	0.75	500	600
16	5/24/96	10:45	2.5	1.3	27.78	7.34	5.17		535	2.5	*	0.22	0.73	0.95	600	1300
17	5/24/96	11:00	1.5	0.8	27.78	7.35	5.19		538	1.5	*	0.24	0.59	0.83	500	1000
18	5/24/96	11:15	2.0	1.0	27.70	7.34	5.22		545	2.0	*	0.29	0.70	0.99	300	1000
19	5/24/96	11:25	2.0	1.0	27.34	7.37	5.13		531	2.0	*	0.27	0.77	1.04	1000	1000
20	5/24/96	11:45	2.6	1.3	27.42	7.40	5.26		527	2.6	*	0.28	0.71	0.99	300	1000
21	5/24/96	12:00	2.0	1.0	28.04	7.44	5.68		546	2.0	*	0.31	0.66	0.97	200	400
22	5/24/96	12:15	0.5	0.3	29.47	7.68	7.38		303	0.5	*	0.08	0.62	0.70	200	700
23	5/24/96	12:30	2.5	1.3	27.36	7.54	7.15		405	2.5	*	0.16	0.52	0.68	2000	2000
24	5/24/96	12:45	1.0	0.5	27.57	7.17	7.19		404	1.0	*	0.18	0.49	0.67	200	700
25	5/24/96	13:00	0.5	0.3	27.38	7.38	6.87		391	0.5	*	0.14	0.47	0.61	200	2000
25 rep	5/24/96	13:05	0.5	0.3	27.42	7.39	7.00		388	0.5	*	0.13	0.39	0.52	300	2000
26	5/24/96	13:15	0.6	0.3	29.91	7.62	6.76		323	0.6	*	0.05	0.44	0.49	300	8000
27	5/24/96	13:30	2.5	1.3	27.07	7.27	4.54		405	2.5	*	0.14	0.50	0.64	100	700
28	5/24/96	10:00	1.0	0.5	25.86	7.03	6.70		408	1.0	*	0.18	0.54	0.72	800	1000
28 rep	5/24/96	10:03	1.0	0.5	25.86	7.01	6.61		407	1.0	*	0.18	0.51	0.69	900	2000
29	5/24/96	10:15	0.4	0.2	25.91	7.12	6.94		403	0.4	*	0.17	0.59	0.76	2900	3000
30	5/24/96	10:25	0.7	0.4	27.16	7.09	5.82		560	0.7	*	0.32	0.61	0.93	2000	3000
31	5/24/96	10:35	1.2	0.6	27.29	7.04	5.94		548	1.2	*	0.26	0.71	0.97	500	2000
32	5/24/96	10:45	1.8	0.9	27.41	7.02	5.99		552	1.8	*	0.27	1.06	1.33	10000	15000
33	5/24/96	10:55	1.3	0.7	27.48	7.10	5.91		550	1.3	*	0.28	0.62	0.90	400	3000
34	5/24/96	11:05	3.3	1.7	27.57	7.13	5.00		562	2.0		0.30	0.90	1.20	200	1000
35	5/24/96	11:15	3.1	1.6	27.92	7.14	6.22		551	2.0		0.29	1.46	1.75	800	1000
36	5/24/96	11:30	1.8	0.9	28.24	7.14	6.78		549	1.8	*	0.32	0.76	1.08	700	2000
37	5/24/96	11:42	4.9	2.4	28.14	7.20	6.53		546	4.9	*	0.34	2.16	2.50	1000	1000
38	5/24/96	11:52	0.8	0.4	28.99	7.16	7.08		511	0.8	*	0.47	2.12	2.59	200	900
39	5/24/96	12:00	1.1	0.5	27.90	7.25	7.58		587	1.1	*	0.26	1.11	1.37	100	200
40	5/24/96	12:15	3.0	1.5	27.96	7.06	5.92		586	3.0	*	0.23	1.99	2.22	200	500
Field Blank	5/24/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control Before	5/24/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	5/24/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.																	
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	5/28/96	14:40	5.9	3.0	31.55	8.00	6.00	25.50	40,200	5.9	*	<0.01	0.39	0.39	10	10
1 rep	5/28/96	14:50	5.9	3.0	31.66	7.98	5.88	25.30	39,900	5.9	*	<0.01	0.40	0.40	20	20
2	5/28/96	15:10	4.6	2.3	31.99	7.96	6.02	24.30	38,300	4.6	*	<0.01	0.45	0.45	20	30
3	5/28/96	15:25	9.2	4.6	32.16	7.99	6.20	23.20	36,600	7.5		<0.01	0.66	0.66	60	80
4	5/28/96	15:35	5.9	3.0	32.41	8.00	6.33	23.00	36,400	5.9	*	<0.01	0.66	0.66	1000	1000
5	5/28/96	15:45	3.0	1.5	33.13	7.89	6.24	14.80	24,700	3.0	*	0.15	0.80	0.95	90	400
6	5/28/96	15:55	4.3	2.1	32.33	7.80	4.62	22.30	35,100	3.0		0.20	0.82	1.02	200	300
7	5/28/96	16:10	7.9	3.9	31.85	7.76	3.89	22.50	35,700	2.6		<0.01	0.86	0.86	400	2000
8	5/28/96	16:20	3.3	1.6	32.28	7.98	7.81	3.80	7,630	2.3		0.01	0.87	0.88	500	800
9	5/28/96	16:30	1.6	0.8	32.64	8.12	9.18	1.60	3,750	1.6	*	0.02	0.76	0.78	200	400
10	5/28/96	16:40	6.6	3.3	31.42	7.62	5.38	5.00	9,620	3.0		0.25	0.67	0.92	600	800
11	5/28/96	16:50	4.3	2.1	31.75	7.75	6.87		626	2.6		0.12	0.59	0.71	600	1000
12	5/28/96	17:00	4.9	2.5	32.09	7.73	6.84		550	2.3		0.11	0.62	0.73	300	300
13	5/28/96	17:10	5.6	2.8	32.30	7.71	6.95		539	2.3		0.21	0.56	0.77	1000	3000
14	5/28/96	17:25	3.0	1.5	32.33	7.73	7.19		542	2.0		0.06	0.81	0.87	1000	1200
15	5/28/96	14:30	0.6	0.3	29.91	7.09	5.02		540	0.6	*	0.20	0.80	1.00	5000	30000
15 rep	5/28/96	14:35	0.6	0.3	29.98	7.15	4.79		539	0.6	*	0.22	0.78	1.00	6000	30000
16	5/28/96	14:40	2.5	1.3	32.04	7.42	6.34		540	2.5	*	0.08	0.64	0.72	1000	10000
17	5/28/96	15:00	2.5	1.3	31.91	7.52	6.57		554	2.5	*	0.09	0.70	0.79	1000	1000
18	5/28/96	15:15	2.0	1.0	31.41	7.64	6.34		561	2.0	*	0.09	0.71	0.80	500	2000
19	5/28/96	15:25	1.5	0.8	31.17	7.70	6.35		542	1.5	*	0.12	0.65	0.77	100	600
20	5/28/96	15:45	3.0	1.5	32.00	7.72	6.90		550	3.0	*	0.08	0.62	0.70	400	2000
21	5/28/96	16:05	3.0	1.5	32.54	7.77	7.02		522	3.0	*	0.16	0.59	0.75	500	600
22	5/28/96	16:20	0.4	0.2	30.53	7.94	6.99		392	0.4	*	0.16	0.62	0.78	1000	2000
23	5/28/96	16:40	1.0	0.5	32.48	8.18	10.29		410	1.0	*	0.07	0.39	0.46	400	1000
24	5/28/96	16:50	1.0	0.5	32.64	7.96	9.12		266	1.0	*	0.04	0.39	0.43	200	2000
25	5/28/96	17:00	0.5	0.3	31.04	7.81	8.06		377	0.5	*	0.07	0.37	0.44	1000	2000
26	5/28/96	17:10	0.5	0.3	31.19	8.12	9.87		220	0.5	*	0.11	0.38	0.49	900	900
27	5/28/96	17:20	2.5	1.3	29.28	7.74	5.62		401	2.5	*	<0.01	0.48	0.48	70	100
28	5/28/96	15:00	0.9	0.4	31.62	7.66	10.38		422	0.9	*	0.16	0.50	0.66	1000	1000
29	5/28/96	15:15	0.3	0.1	31.74	7.79	9.69		419	0.3	*	0.04	0.56	0.60	300	1000
30	5/28/96	15:20	0.6	0.3	32.25	7.34	7.53		586	0.6	*	0.19	0.66	0.85	2000	6000
31	5/28/96	15:35	1.1	0.6	32.34	7.38	7.86		564	1.1	*	0.07	0.89	0.96	1000	1000
32	5/28/96	16:00	1.5	0.8	32.66	7.44	8.56		546	1.5	*	0.16	0.81	0.97	600	1500
33	5/28/96	16:07	0.9	0.5	32.91	7.54	9.03		567	0.9	*	0.10	0.80	0.90	1000	1000
33 rep	5/28/96	16:09	0.8	0.4	34.43	7.55	9.04		568	0.8	*	0.09	0.86	0.95	1000	1000
34	5/28/96	16:15	1.0	0.5	33.10	7.50	9.28		570	1.0	*	<0.01	0.62	0.62	500	1100
35	5/28/96	16:25	0.0	0.0	ue to construction in Creek											
36	5/28/96	16:40	1.5	0.7	33.73	7.87	9.70		573	1.5	*	0.15	0.75	0.90	200	300
37	5/28/96	16:50	3.2	1.6	33.47	7.79	10.29		563	3.2	*	0.15	0.64	0.79	200	400
38	5/28/96	16:55	0.9	0.4	32.80	7.01	7.81		559	0.9	*	0.29	0.52	0.81	500	600
39	5/28/96	17:05	1.1	0.6	32.85	7.71	10.65		563	1.1	*	0.16	0.71	0.87	130	1000
40	5/28/96	17:15	2.3	1.1	32.81	7.37	8.38		584	2.3	*	0.10	0.70	0.80	500	1000
Field Blank	5/28/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control Before	5/28/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	0	0
Control After	5/28/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	0	0

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	5/29/96	15:20	5.9	3.0	31.75	8.09	6.06	26.10	40,900	5.9	*	<0.01	0.71	0.71	50	50
2	5/29/96	15:40	4.6	2.3	31.91	8.09	6.17	26.00	40,700	4.6	*	<0.01	0.52	0.52	50	110
3	5/29/96	15:50	4.9	2.5	32.24	8.08	6.00	25.20	39,500	4.9	*	0.06	0.57	0.63	40	60
4	5/29/96	16:05	3.9	2.0	32.46	8.02	6.11	21.80	36,200	3.9	*	<0.01	0.62	0.62	60	100
5	5/29/96	16:15	8.2	4.1	32.90	7.96	5.95	16.30	26,700	3.9		0.02	0.86	0.88	300	300
5 rep	5/29/96	16:20	8.2	4.1	32.94	7.96	5.90	16.20	26,800	3.9		0.01	0.86	0.87	300	400
6	5/29/96	16:25	3.3	1.6	32.86	8.24	8.65	8.90	15,700	3.3	*	<0.01	0.83	0.83	300	600
7	5/29/96	16:45	7.5	3.8	32.46	7.92	3.98	21.30	34,600	2.3		<0.01	1.18	1.18	200	500
8	5/29/96	16:55	3.0	1.5	32.33	8.20	8.84	3.10	6,430	2.3		0.03	1.02	1.05	300	400
9	5/29/96	17:05	2.3	1.1	32.27	8.16	8.77	2.40	5,200	2.3	*	0.04	1.00	1.04	100	500
10	5/29/96	17:15	6.9	3.4	31.30	7.68	4.83	7.00	12,890	2.3		0.07	1.09	1.16	400	2000
11	5/29/96	17:25	5.9	3.0	31.93	8.06	7.64		1,315	2.3		0.10	0.84	0.94	300	1100
12	5/29/96	17:35	4.3	2.1	31.78	7.89	6.91		1,249	2.6		0.14	0.74	0.88	250	600
13	5/29/96	17:45	5.9	3.0	31.87	7.90	7.48		569	2.3		0.12	0.66	0.78	200	2000
14	5/29/96	17:55	3.3	1.6	31.75	7.91	7.08		568	2.0		0.10	0.62	0.72	200	900
15	5/29/96	15:00	1.0	0.5	29.35	7.10	4.94		544	1.0	*	0.40	0.91	1.31	4000	5000
16	5/29/96	15:15	2.7	1.4	32.00	7.41	6.42		558	2.2		0.12	1.10	1.22	1000	20000
17	5/29/96	15:30	2.2	1.1	31.60	7.55	6.53		544	2.2	*	0.24	1.04	1.28	900	1500
18	5/29/96	15:40	2.0	1.0	31.15	7.54	6.35		569	2.0	*	0.23	0.81	1.04	1000	1000
19	5/29/96	15:50	2.1	1.1	30.70	7.54	6.17		559	2.1	*	0.19	0.61	0.80	800	3000
20	5/29/96	16:00	1.5	0.8	31.19	7.63	7.07		554	1.5	*	0.25	0.88	1.13	1000	1000
21	5/29/96	16:10	1.4	0.7	32.14	7.72	7.95		577	1.4	*	0.20	0.91	1.11	1000	1000
22	5/29/96	16:20	0.5	0.3	30.51	8.04	7.75		312	0.5	*	0.09	0.91	1.00	4000	5000
22 rep	5/29/96	16:25	0.5	0.3	30.53	8.04	7.77		313	0.5	*	0.10	0.91	1.01	6000	10000
23	5/29/96	16:30	1.0	0.5	32.00	8.27	11.34		414	1.0	*	0.08	0.55	0.63	4000	10000
24	5/29/96	16:40	1.0	0.5	31.25	7.96	9.54		411	1.0	*	0.12	0.46	0.58	600	2000
25	5/29/96	16:45	0.5	0.3	30.35	7.82	8.37		398	0.5	*	0.13	0.71	0.84	2000	5000
26	5/29/96	16:50	0.5	0.3	31.02	8.19	11.13		223	0.5	*	0.06	0.52	0.58	1500	5000
27	5/29/96	17:00	1.2	0.6	29.07	7.74	5.79		424	1.2	*	0.22	0.60	0.82	100	3000
28	5/29/96	15:30	0.9	0.4	31.25	7.82	10.70		432	0.9	*	0.09	0.68	0.77	1000	2000
28 rep	5/29/96	15:35	0.7	0.4	31.26	7.83	10.69		429	0.7	*	0.08	0.62	0.70	800	2000
29	5/29/96	15:40	0.2	0.1	31.34	7.95	10.14		426	0.2	*	0.04	0.65	0.69	700	3000
30	5/29/96	15:50	0.5	0.3	32.42	7.46	8.67		601	0.5	*	0.21	0.50	0.71	400	3000
31	5/29/96	16:02	0.8	0.4	32.66	7.61	9.20		584	0.8	*	0.10	0.81	0.91	300	1000
32	5/29/96	16:13	0.9	0.4	32.68	7.91	10.10		585	0.9	*	0.11	0.71	0.82	1000	1000
33	5/29/96	16:21	0.9	0.4	32.80	7.47	7.19		620	0.1		0.11	0.82	0.93	300	2000
34	5/29/96	16:30	1.7	0.9	32.33	7.69	11.50		644	1.0		<0.01	0.45	0.45	400	2000
35	5/29/96	16:42	1.8	0.9	33.42	7.92	10.60		577	0.9		0.11	0.57	0.68	500	4000
36	5/29/96	16:53	1.8	0.9	33.25	7.94	9.87		572	1.8	*	0.16	0.66	0.82	200	2000
37	5/29/96	17:10	2.5	1.2	33.03	7.84	10.26		593	2.5	*	0.19	0.63	0.82	200	1000
38	5/29/96	17:20	0.9	0.5	31.42	7.84	8.16		566	0.9	*	0.24	0.44	0.68	400	4000
39	5/29/96	17:30	1.0	0.5	32.30	7.77	10.09		586	1.0	*	0.22	0.67	0.89	100	300
40	5/29/96	17:45	1.5	0.7	32.10	7.59	8.29		609	1.5	*	0.18	1.01	1.19	400	1000
Field Blank	5/29/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control Before	5/29/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	5/29/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.																	
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	6/5/96	7:05	5.9	3.0	27.40	7.97	5.07	28.4	44,000	5.9	*	<0.01	0.50	0.50	<10	<10
2	6/5/96	7:15	5.2	2.6	26.86	7.99	4.81	27.1	42,200	5.2	*	<0.01	0.47	0.47	10	10
3	6/5/96	7:25	4.9	2.5	26.87	8.01	5.44	26.8	41,700	4.9	*	<0.01	1.70	1.70	20	20
4	6/5/96	7:30	7.2	3.6	26.95	7.98	5.01	26.8	41,900	7.2	*	<0.01	0.45	0.45	10	10
5	6/5/96	7:40	3.9	2.0	26.94	7.90	4.04	26.7	41,700	3.9	*	<0.01	0.57	0.57	30	30
6	6/5/96	7:50	4.6	2.3	26.92	7.85	4.00	25.8	40,500	4.6	*	<0.01	0.64	0.64	60	80
7	6/5/96	8:05	7.9	3.9	27.08	7.80	3.54	25.2	39,600	3.9		<0.01	0.64	0.64	100	100
8	6/5/96	9:00	2.0	1.0	26.69	7.58	4.26	9.4	16,500	2.0	*	0.01	0.80	0.81	120	500
9	6/5/96	9:10	2.0	1.0	26.73	7.65	5.32	6.9	12,640	2.0	*	<0.01	0.84	0.84	100	1000
10	6/5/96	9:25	5.6	2.8	27.20	7.55	4.02	6.6	12,410	3.3		<0.01	1.12	1.12	100	1000
11	6/5/96	9:35	4.6	2.3	27.76	7.40	2.16	11.7	20,100	2.6		<0.01	0.99	0.99	100	200
12	6/5/96	9:45	4.6	2.3	27.18	7.60	5.10	3.5	7,030	3.0		0.09	0.85	0.94	160	1000
13	6/5/96	9:55	3.9	2.0	26.96	7.62	6.22	1.4	3,490	3.0		<0.01	0.81	0.81	1000	1000
13 rep	6/5/96	10:00	3.9	2.0	26.97	7.65	6.14	1.4	3,500	3.0		<0.01	0.83	0.83	1000	1000
14	6/5/96	10:10	2.6	1.3	26.73	7.64	6.37		1,364	2.3		0.39	0.78	1.17	500	1000
15	6/5/96	6:30	0.8	0.4	22.91	7.00	4.25		626	0.8	*	0.06	0.65	0.71	9000	10000
16	6/5/96	6:40	2.6	1.3	26.20	7.33	5.12		645	2.6	*	0.09	0.63	0.72	400	2000
17	6/5/96	6:50	2.0	1.0	26.54	7.36	4.53		605	1.5		0.08	0.72	0.80	400	600
18	6/5/96	7:05	2.0	1.0	26.00	7.39	4.77		572	1.0		0.07	0.61	0.68	200	1000
18 rep	6/5/96	7:08	2.0	1.0	26.00	7.39	4.77		572	2.0	*	0.08	0.65	0.73	200	1000
19	6/5/96	7:25	1.0	0.5	25.43	7.52	4.78		551	1.0	*	0.08	0.65	0.73	80	1000
20	6/5/96	7:35	1.0	0.5	25.31	7.58	5.64		566	1.0	*	<0.01	0.60	0.60	1000	1000
21	6/5/96	7:45	1.0	0.5	25.47	7.56	6.00		575	1.0	*	0.07	0.62	0.69	500	5000
22	6/5/96	8:00	0.5	0.3	22.39	7.76	7.44		422	0.5	*	0.01	0.34	0.35	600	600
23	6/5/96	8:05	1.0	0.5	23.08	7.58	5.03		226	1.0	*	0.04	0.53	0.57	210	500
24	6/5/96	8:25	1.0	0.5	23.31	7.53	6.39		459	1.0	*	0.05	0.37	0.42	300	600
25	6/5/96	8:35	1.0	0.5	23.42	7.45	5.55		436	1.0	*	<0.01	0.80	0.80	2000	2000
26	6/5/96	8:45	0.5	0.3	23.53	7.38	4.36		382	0.5	*	0.10	0.42	0.52	300	3000
27	6/5/96	9:00	1.5	0.8	23.42	7.37	4.51		440	1.5	*	0.01	0.57	0.58	100	800
28	6/5/96	6:00	0.8	0.4	23.70	6.97	5.39		295	0.8	*	<0.01	0.56	0.56	1000	1000
29	6/5/96	6:15	0.3	0.1	23.75	7.05	5.74		455	0.3	*	0.09	0.26	0.35	100	2000
30	6/5/96	6:20	0.4	0.2	26.33	7.22	6.77		584	0.4	*	<0.01	0.46	0.46	3000	5000
31	6/5/96	6:30	1.3	0.7	25.52	7.27	7.01		571	1.3	*	0.04	0.47	0.51	1000	5000
32	6/5/96	6:40	1.0	0.5	27.08	7.51	7.34		574	1.0	*	0.05	0.47	0.52	2000	5000
33	6/5/96	6:52	1.2	0.6	27.30	7.52	7.34		575	1.2	*	0.06	0.49	0.55	500	10000
34	6/5/96	7:05	3.1	1.6	27.03	7.36	6.30		580	3.1	*	0.07	0.51	0.58	1000	6000
35	6/5/96	7:15	3.0	1.5	26.60	7.14	5.47		567	3.0	*	0.07	0.50	0.57	200	2000
36	6/5/96	7:25	2.5	1.2	25.67	7.20	5.18		553	2.5	*	0.10	0.53	0.63	3000	3000
37	6/5/96	7:35	2.4	1.2	25.38	7.06	3.78		568	2.4	*	0.09	0.48	0.57	400	700
38	6/5/96	7:50	0.8	0.4	24.01	7.24	6.02		550	0.8	*	0.13	0.41	0.54	1000	4000
39	6/5/96	8:00	1.6	0.8	25.52	6.93	3.53		535	1.6	*	0.10	0.56	0.66	100	600
40	6/5/96	8:10	1.5	0.7	25.48	6.92	4.04		581	1.5	*	0.10	0.56	0.66	700	1000
40 rep	6/5/96	8:15	1.5	0.7	25.49	6.97	4.01		571	1.5	*	0.10	0.59	0.69	700	800
Field Blank	6/5/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control Before	6/5/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	6/5/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	6/6/96	7:40	5.9	3.0	27.76	8.00	5.02	28.10	43,600	5.9	*	<0.01	0.50	0.50	<10	<10
1 rep	6/6/96	7:50	5.9	3.0	27.77	8.05	5.01	28.10	43,600	5.9	*	<0.01	0.48	0.48	<10	10
2	6/6/96	8:00	4.9	2.5	27.85	8.03	5.37	27.30	42,600	4.9	*	<0.01	0.48	0.48	10	10
3	6/6/96	8:05	4.6	2.3	27.62	8.03	5.05	26.80	41,800	4.6	*	<0.01	0.49	0.49	20	20
4	6/6/96	8:15	5.9	3.0	27.73	8.03	5.08	26.90	41,900	5.9	*	<0.01	0.59	0.59	20	20
5	6/6/96	8:20	3.9	2.0	27.65	7.95	4.59	26.70	41,700	3.9	*	0.02	0.59	0.61	<10	<10
6	6/6/96	8:30	3.9	2.0	27.55	7.85	3.94	26.00	40,600	3.9	*	<0.01	0.62	0.62	30	30
7	6/6/96	8:45	8.2	4.1	27.62	7.85	3.84	25.30	39,600	3.9		0.03	0.64	0.67	70	400
8	6/6/96	8:55	2.0	1.0	27.49	7.68	3.30	14.50	23,800	2.0	*	0.05	0.72	0.77	40	100
9	6/6/96	9:05	2.0	1.0	26.77	7.75	4.88	7.20	12,760	2.0	*	0.01	0.72	0.73	30	200
10	6/6/96	9:15	4.6	2.3	28.13	7.54	2.65	12.60	21,400	3.0		0.01	0.75	0.76	50	100
11	6/6/96	9:25	3.9	2.0	28.34	7.57	3.05	9.90	17,100	2.6		<0.01	0.94	0.94	40	60
12	6/6/96	9:35	4.3	2.1	28.58	7.53	3.44	8.40	15,200	2.3		0.02	0.92	0.94	100	300
13	6/6/96	9:45	5.6	2.8	28.09	7.71	5.77	2.40	4,970	2.6		0.02	0.88	0.90	200	200
14	6/6/96	10:00	2.3	1.1	27.85	7.77	7.09		1,600	2.0		0.03	0.84	0.87	160	200
15	6/6/96	7:20	0.5	0.3	23.51	7.05	3.86		626	0.5	*	0.40	0.71	1.11	10000	20000
15 rep	6/6/96	7:25	0.5	0.3	23.51	7.06	3.86		627	0.5	*	0.38	0.68	1.06	12000	30000
16	6/6/96	7:35	2.1	1.1	27.11	7.35	4.75		608	1.8		0.08	0.87	0.95	800	800
17	6/6/96	7:50	1.7	0.9	27.05	7.46	4.60		582	1.5		0.08	0.84	0.92	1200	2000
18	6/6/96	8:05	1.0	0.5	25.88	7.47	4.49		581	1.0	*	0.07	0.82	0.89	300	500
19	6/6/96	8:20	2.0	1.0	26.50	7.41	4.51		587	1.5		0.06	0.62	0.68	150	400
20	6/6/96	8:35	1.0	0.5	25.71	7.52	5.40		578	1.0	*	0.07	0.58	0.65	100	600
21	6/6/96	8:45	1.5	0.8	26.20	7.57	6.09		573	1.5	*	0.06	0.54	0.60	2000	2000
22	6/6/96	8:50	0.5	0.3	23.53	7.77	8.27		421	0.5	*	0.05	0.41	0.46	800	900
23	6/6/96	9:10	1.3	0.7	24.13	7.61	7.11		466	1.3	*	0.04	0.35	0.39	200	800
24	6/6/96	9:20	1.0	0.5	24.38	7.52	7.41		435	1.0	*	0.07	0.34	0.41	10000	20000
25	6/6/96	9:30	1.0	0.5	24.29	7.45	6.03		301	1.0	*	0.09	0.40	0.49	4000	10000
26	6/6/96	9:35	0.8	0.4	24.77	7.42	6.07		391	0.8	*	<0.01	0.30	0.30	200	900
27	6/6/96	9:45	1.5	0.8	22.34	7.34	5.36		471	1.5	*	0.12	0.49	0.61	400	5000
28	6/6/96	7:30	1.1	0.6	23.99	6.90	5.26		352	1.1	*	0.04	0.46	0.50	200	800
29	6/6/96	7:40	0.5	0.2	24.13	7.05	5.65		466	0.5	*	0.03	0.43	0.46	200	400
30	6/6/96	7:51	0.6	0.3	26.70	7.19	6.42		606	0.6	*	0.10	0.60	0.70	600	1000
31	6/6/96	8:04	1.1	0.6	27.27	7.21	6.86		563	1.1	*	0.06	0.56	0.62	3000	3000
32	6/6/96	8:16	1.0	0.5	27.63	7.23	6.93		588	1.0	*	0.07	0.82	0.89	1000	1000
33	6/6/96	8:25	0.8	0.4	27.80	7.17	6.62		586	0.2		0.07	0.52	0.59	5000	5000
34	6/6/96	8:35	3.6	1.8	27.76	7.16	5.80		564	3.3		0.06	0.62	0.68	1000	2000
35	6/6/96	8:47	3.7	1.8	27.43	7.20	5.98		565	3.3		0.08	0.71	0.79	900	5000
36	6/6/96	8:55	3.2	1.6	26.44	7.13	5.28		564	3.2	*	0.11	0.81	0.92	700	1000
37	6/6/96	9:05	2.5	1.2	25.46	6.95	3.54		572	2.5	*	0.10	0.81	0.91	400	2000
38	6/6/96	9:15	1.1	0.6	25.78	7.30	8.28		578	1.1	*	0.05	0.78	0.83	800	1000
39	6/6/96	9:25	1.7	0.9	26.20	6.99	5.44		556	1.7	*	0.14	0.81	0.95	90	2000
40	6/6/96	9:40	1.4	0.7	26.31	6.91	4.65		586	1.4	*	0.11	0.82	0.93	800	2000
40 rep	6/6/96	9:45	1.4	0.7	26.30	6.89	4.59		590	1.4	*	0.12	0.81	0.93	1000	2000
Field Blank	6/6/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control Before	6/6/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	6/6/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.																	
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	6/7/96	9:40	6.9	3.4	28.67	8.06	5.55	28.9	44,800	6.9	*	<0.01	0.36	0.36	10	10
2	6/7/96	9:50	4.6	2.3	28.54	8.08	5.29	27.6	42,900	4.6	*	<0.01	0.35	0.35	<10	10
3	6/7/96	10:00	4.9	2.5	28.59	8.07	5.07	27.1	42,200	4.9	*	<0.01	0.46	0.46	10	10
4	6/7/96	10:10	4.6	2.3	28.67	8.03	4.82	27	42,100	4.6	*	<0.01	0.36	0.36	<10	10
5	6/7/96	10:20	3.9	2.0	28.71	7.86	4.05	23.5	37,300	3.9	*	<0.01	0.38	0.38	30	30
5 rep	6/7/96	10:25	3.9	2.0	28.73	7.87	4.03	23.3	36,800	3.9	*	<0.01	0.42	0.42	20	20
6	6/7/96	10:30	3.6	1.8	28.82	7.91	3.90	21.6	34,800	3.6	*	0.01	0.38	0.39	60	90
7	6/7/96	10:45	5.6	2.8	28.97	7.89	3.43	24.1	37,800	3.6		<0.01	0.55	0.55	90	200
8	6/7/96	10:55	2.0	1.0	29.44	7.88	5.23	11.9	20,600	2.0	*	<0.01	0.48	0.48	190	700
9	6/7/96	11:10	2.0	1.0	29.83	7.80	4.19	14	23,900	2.0	*	<0.01	1.11	1.11	100	400
10	6/7/96	11:20	4.6	2.3	29.83	7.70	3.65	13.50	22,800	3.0		<0.01	0.86	0.86	120	500
11	6/7/96	11:30	5.6	2.8	30.23	7.60	3.01	13.30	22,400	2.6		<0.01	0.79	0.79	30	300
12	6/7/96	11:40	3.9	2.0	29.64	8.13	7.66	3.00	6,280	2.3		<0.01	0.98	0.98	50	1000
13	6/7/96	11:50	5.9	3.0	29.49	8.12	9.40	1.60	3,840	2.3		<0.01	0.89	0.89	160	700
14	6/7/96	12:05	3.0	1.5	29.73	8.02	9.06	0.20	1,429	2.0		0.03	1.09	1.12	130	700
15	6/7/96	9:20	1.0	0.5	24.07	7.03	4.03		637	1.0	*	0.47	0.65	1.12	20000	35000
16	6/7/96	9:40	2.3	1.2	28.25	7.34	6.34		605	1.5		0.05	0.82	0.87	800	2000
17	6/7/96	9:50	1.6	0.8	28.21	7.49	5.81		595	1.0		0.06	0.79	0.85	1000	2000
17 rep	6/7/96	9:55	1.6	0.8	28.31	7.47	5.76		596	1.0		0.05	0.80	0.85	800	1000
18	6/7/96	10:00	2.0	1.0	27.98	7.46	6.13		590	1.2		0.05	0.71	0.76	200	2000
19	6/7/96	10:15	1.2	0.6	23.80	7.47	6.05		511	1.2	*	0.04	0.64	0.68	100	400
20	6/7/96	10:30	1.0	0.5	27.11	7.54	5.62		579	1.0	*	0.05	0.64	0.69	600	700
21	6/7/96	10:40	1.2	0.6	28.43	7.59	7.45		564	1.2	*	0.04	0.58	0.62	300	300
22	6/7/96	10:55	0.5	0.3	28.68	8.38	11.50		399	0.5	*	<0.01	0.37	0.37	600	6000
23	6/7/96	11:10	1.3	0.7	26.54	7.91	9.74		469	1.3	*	<0.01	0.47	0.47	300	1000
24	6/7/96	11:20	1.5	0.8	26.88	7.78	9.82		457	1.5	*	0.04	0.39	0.43	300	1000
25	6/7/96	11:30	0.5	0.3	26.16	7.66	7.63		338	0.5	*	0.07	0.47	0.54	1000	3000
26	6/7/96	11:40	0.5	0.3	27.96	7.69	9.83		314	0.5	*	<0.01	0.32	0.32	200	800
27	6/7/96	11:50	1.8	0.9	25.73	7.35	5.81		455	1.8	*	0.15	0.39	0.54	80	300
28	6/7/96	9:40	1.0	0.5	24.62	6.93	6.08		480	1.0	*	0.12	0.36	0.48	600	2000
29	6/7/96	9:51	0.6	0.3	24.76	7.14	6.46		421	0.6	*	0.03	0.50	0.53	2000	2000
30	6/7/96	10:00	0.6	0.3	28.14	7.34	7.09		600	0.6	*	0.04	0.77	0.81	60000	400000
31	6/7/96	10:12	1.4	0.7	28.89	7.38	7.42		591	1.4	*	0.03	0.82	0.85	900	900
32	6/7/96	10:24	1.0	0.5	29.17	7.34	7.51		593	1.0	*	0.05	0.65	0.70	1500	4000
33	6/7/96	10:35	0.8	0.4	29.12	7.24	7.13		595	0.8	*	0.09	0.73	0.82	900	2000
34	6/7/96	10:45	3.5	1.8	28.78	7.35	7.06		593	1.0		0.05	0.63	0.68	1000	1000
35	6/7/96	10:56	1.4	0.7	28.19	7.30	5.60		596	1.4	*	0.06	0.69	0.75	800	2000
36	6/7/96	11:00	3.1	1.6	27.60	7.30	6.21		594	3.1	*	0.08	0.65	0.73	300	2000
37	6/7/96	11:15	2.3	1.1	27.55	6.99	4.70		605	2.3	*	0.10	0.65	0.75	180	1000
38	6/7/96	11:28	0.9	0.5	30.43	7.90	11.88		576	0.9	*	<0.01	0.67	0.67	1000	2000
39	6/7/96	11:40	1.6	0.8	28.27	7.36	8.89		651	1.6	*	0.13	0.67	0.80	50	2000
40	6/7/96	11:50	1.6	0.8	29.29	7.18	8.18		695	1.6	*	0.10	0.64	0.74	100	1000
40 rep	6/7/96	11:55	1.6	0.8	29.30	7.19	8.23		694	1.6	*	0.10	0.65	0.75	200	1000
Field Blank	6/7/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control Before	6/7/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	6/7/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the May 14 Through June 10, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	6/10/96	14:20	7.2	3.6	29.36	8.05	6.06	27.00	41,900	5.9		<0.01	0.55	0.55	10	10
2	6/10/96	14:35	4.3	2.1	29.45	8.06	6.22	26.50	41,400	4.3	*	<0.01	0.57	0.57	10	20
3	6/10/96	14:45	3.3	1.6	29.66	8.08	6.32	26.40	41,200	3.3	*	<0.01	0.71	0.71	<10	20
4	6/10/96	14:55	3.3	1.6	29.63	8.09	6.42	26.10	41,000	3.3	*	<0.01	0.52	0.52	<10	<10
5	6/10/96	15:05	8.5	4.3	30.22	7.83	4.66	22.20	35,300	5.2		<0.01	0.64	0.64	60	200
6	6/10/96	15:15	4.3	2.1	30.53	7.95	5.80	19.20	31,200	3.0		<0.01	0.66	0.66	180	500
7	6/10/96	15:25	6.9	3.4	30.48	7.89	5.43	19.90	32,000	3.0		<0.01	0.73	0.73	210	300
7 rep	6/10/96	15:30	6.9	3.4	30.48	7.90	5.21	20.00	32,100	3.0		<0.01	0.69	0.69	250	400
8	6/10/96	15:50	2.3	1.1	30.53	7.95	5.93	12.10	20,600	2.3	*	<0.01	0.78	0.78	200	200
9	6/10/96	16:00	2.3	1.1	30.46	7.96	6.17	10.30	17,600	2.3	*	<0.01	0.83	0.83	300	500
10	6/10/96	16:10	3.6	1.8	30.44	7.97	5.65	7.20	13,100	2.3		<0.01	0.90	0.90	130	1000
11	6/10/96	16:20	5.9	3.0	30.33	7.93	5.74	4.90	9,300	2.0		<0.01	0.90	0.90	500	500
12	6/10/96	16:30	4.6	2.3	30.05	7.96	6.74	2.10	4,640	2.0		<0.01	0.83	0.83	400	500
13	6/10/96	16:40	5.6	2.8	29.83	8.02	6.57	1.10	2,930	2.0		<0.01	0.83	0.83	100	5000
14	6/10/96	16:55	3.3	1.6	29.52	8.00	7.06		899	2.0		<0.01	0.72	0.72	200	4000
15	6/10/96	14:05	0.7	0.4	26.24	6.97	5.59		625	0.7	*	0.44	0.51	0.95	12000	15000
16	6/10/96	14:20	2.5	1.3	29.65	7.40	7.51		635	1.5		0.01	0.75	0.76	1000	5000
17	6/10/96	14:30	2.0	1.0	29.89	7.53	7.97		633	1.5		<0.01	0.57	0.57	800	9000
18	6/10/96	14:40	1.5	0.8	29.51	7.49	7.05		643	1.5	*	<0.01	0.59	0.59	500	1000
19	6/10/96	14:50	1.0	0.5	28.90	7.46	6.11		652	1.0	*	0.07	0.61	0.68	300	700
20	6/10/96	15:05	1.0	0.5	28.70	7.52	6.97		628	1.0	*	<0.01	0.68	0.68	800	800
20 rep	6/10/96	15:06	1.0	0.5	28.70	7.52	6.97		628	1.0	*	<0.01	0.67	0.67	800	800
21	6/10/96	15:15	1.2	0.6	29.79	7.56	8.16		606	1.2	*	<0.01	0.70	0.70	100	400
22	6/10/96	15:30	0.5	0.3	28.52	8.49	8.72		302	0.5	*	<0.01	0.41	0.41	300	300
23	6/10/96	15:40	0.3	0.2	28.97	8.07	10.48		350	0.3	*	<0.01	0.48	0.48	200	300
24	6/10/96	15:45	1.4	0.7	28.46	7.87	10.01		477	1.4	*	<0.01	0.57	0.57	140	2000
25	6/10/96	15:55	0.5	0.3	27.69	7.69	8.16		249	0.5	*	<0.01	0.39	0.39	1000	1000
26	6/10/96	16:10	0.4	0.2	28.82	7.80	10.11		403	0.4	*	0.03	0.42	0.45	500	600
27	6/10/96	16:25	1.8	0.9	26.79	7.47	7.98		460	1.8	*	<0.01	0.43	0.43	90	400
28	6/10/96	14:00	1.2	0.6	28.22	7.36	10.38		501	1.2	*	<0.01	0.46	0.46	150	2000
29	6/10/96	14:10	0.4	0.2	27.92	7.51	10.28		487	0.4	*	<0.01	0.43	0.43	150	200
30	6/10/96	14:20	0.9	0.4	29.99	7.38	8.34		674	0.9	*	<0.01	0.43	0.43	600	700
31	6/10/96	14:35	1.2	0.6	30.54	7.50	8.73		674	1.2	*	<0.01	0.56	0.56	10	800
32	6/10/96	14:43	1.0	0.5	29.76	7.47	8.11		662	1.0	*	<0.01	0.56	0.56	60	800
33	6/10/96	14:50	1.2	0.6	29.68	7.35	7.34		667	1.2	*	<0.01	0.48	0.48	200	1300
34	6/10/96	15:00	3.4	1.7	29.18	7.36	7.50		660	3.4	*	<0.01	0.45	0.45	1100	2000
35	6/10/96	15:11	2.7	1.3	28.86	7.30	6.95		675	2.7	*	<0.01	0.55	0.55	600	1500
36	6/10/96	15:22	2.8	1.4	27.73	7.54	8.32		677	2.8	*	<0.01	0.60	0.60	1500	1500
37	6/10/96	15:30	2.3	1.1	28.70	7.36	7.46		660	2.3	*	<0.01	0.55	0.55	400	700
38	6/10/96	15:38	0.9	0.5	30.25	7.94	10.46		569	0.9	*	0.04	0.45	0.49	900	1000
39	6/10/96	15:45	1.5	0.7	29.99	7.49	10.20		681	1.5	*	0.10	0.61	0.71	60	300
40	6/10/96	15:55	1.3	0.6	29.93	7.60	10.39		726	1.3	*	0.01	0.64	0.65	130	500
40 rep	6/10/96	15:58	1.3	0.6	29.93	7.55	10.42		702	1.3	*	0.01	0.63	0.64	130	300
Field Blank	6/10/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control Before	6/10/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	6/10/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
1	7/4/96	6:40	6.6	3.3	29.86	4.78	27.70	43,000	6.6	*	0.00	0.61	0.61	10	20
1	7/8/96	12:30	6.6	3.3	29.85	5.64	25.50	39,900	5.9		0.02	0.45	0.47	40	40
1	7/9/96	13:35	6.9	3.45	30.33	5.62	25.60	40,200	5.2		0.01	0.46	0.47	10	10
1	7/10/96	14:45	6.6	3.3	30.75	6.95	25.10	39,500	4.9		0.00	0.50	0.50	20	20
1	7/19/96	6:35	7.2	3.6	30.32	5.00	28.30	43,900	5.9		0.00	0.48	0.48	10	10
1	7/20/96	7:25	6.6	3.3	31.06	4.62	27.80	43,200	5.9		0.00	0.40	0.40	10	10
1	7/22/96	9:35	6.6	3.3	31.27	4.34	28.4	44,000	5.6		0.00	0.13	0.13	10	10
1	7/23/96	11:00	6.9	3.45	31.62	4.99	28.80	44,600	5.9		0.00	0.30	0.30	10	10
1	7/24/96	12:25	6.9	3.45	31.55	4.88	27.9	43,300	5.2		0.00	0.55	0.55	10	10
1	7/31/96	5:40	6.9	3.45	28.99	4.82	27.00	42,100	6.2		0.00	0.64	0.64	200	1,000
Averages	July		6.78	3.39	30.56	5.164	27.21	42370	5.73		0.003	0.45	0.46	17	21
2	7/4/96	6:55	4.9	2.45	29.86	4.14	25.60	40,200	4.9	*	0.01	0.61	0.61	<10	<10
2	7/8/96	12:45	4.6	2.3	30.07	5.52	23.50	37,300	4.6	*	0.02	0.49	0.51	40	40
2	7/9/96	13:45	4.6	2.3	30.41	5.92	24.90	39,200	4.6	*	0.02	0.60	0.62	10	20
2	7/10/96	14:55	4.9	2.45	30.98	7.61	25.20	39,700	4.9	*	0.01	0.59	0.59	20	20
2	7/19/96	6:50	4.3	2.15	30.68	4.74	27.60	42,800	4.3	*	0.01	0.49	0.49	<10	<10
2	7/20/96	7:35	4.3	2.15	30.80	4.37	26.70	41,600	4.3	*	0.01	0.47	0.47	<10	<10
2	7/22/96	9:45	4.6	2.3	31.28	4.07	27.6	42,800	4.6	*	0.01	0.39	0.39	10	10
2	7/23/96	11:10	4.9	2.45	31.88	4.73	28.00	43,500	4.9	*	0.01	0.52	0.52	10	10
2	7/24/96	12:40	4.6	2.3	31.62	4.86	27.2	42,400	4.6	*	0.04	0.58	0.62	10	10
2	7/31/96	5:55	4.9	2.45	29.51	3.97	26.80	41,800	4.9	*	<0.01	0.64	0.64	500	1,000
3	7/4/96	7:05	2.6	1.3	29.98	4.19	25.20	39,500	2.6	*	<0.01	0.64	0.64	10	10
3	7/8/96	12:55	3.9	1.95	30.26	5.48	22.40	35,700	3.9	*	0.01	0.49	0.50	40	40
3	7/9/96	14:00	3.6	1.8	30.57	5.51	22.10	35,200	3.6	*	0.01	0.59	0.60	60	2,000
3	7/10/96	15:05	3	1.5	31.63	6.52	22.20	35,400	3	*	0.06	0.69	0.75	80	500
3	7/19/96	7:00	3.9	1.95	29.83	4.74	25.80	40,500	3.9	*	0.01	0.56	0.57	10	10
3	7/20/96	7:45	2	1	30.19	3.42	26.40	41,300	2	*	<0.01	0.48	0.48	<10	10
3	7/22/96	9:55	3.6	1.8	31.25	3.78	26.6	41,600	3.6	*	<0.01	0.42	0.42	<10	20
3	7/23/96	11:20	3	1.5	32.18	4.74	27.50	42,800	3	*	0.03	0.48	0.51	40	60
3	7/24/96	12:50	5.6	2.8	31.75	5.07	27.2	42,300	5.2		0.01	0.41	0.42	<10	10
3	7/31/96	6:10	3.9	1.95	29.12	3.39	24.90	39,100	3.9	*	<0.01	0.52	0.52	500	900
4	7/4/96	7:20	4.9	2.45	30.04	4.06	24.80	38,900	4.9	*	<0.01	0.54	0.54	20	30
4	7/8/96	13:05	2	1	30.64	5.95	21.80	34,600	2	*	<0.01	0.43	0.43	20	20
4	7/9/96	14:10	7.5	3.75	30.58	5.77	23.90	37,800	5.2		0.03	0.40	0.43	10	2,000,000
4	7/10/96	15:15	3.3	1.65	31.02	6.79	24.70	38,800	3.3	*	0.06	0.34	0.40	40	40
4	7/19/96	7:15	3	1.5	30.16	4.54	25.90	40,500	3	*	0.01	0.57	0.58	50	90
4	7/20/96	7:55	4.3	2.15	30.71	4.45	26.20	41,333	4.3	*	<0.01	0.48	0.48	10	10
4	7/22/96	10:05	4.6	2.3	31.40	4.04	27.2	42,400	4.6	*	<0.01	0.49	0.49	40	60
4	7/23/96	11:30	7.2	3.6	31.99	4.62	27.00	42,100	6.2		<0.01	0.76	0.76	10	30
4	7/24/96	13:00	6.6	3.3	31.88	5.19	26.8	41,700	5.2		0.03	0.58	0.61	<10	30
4	7/31/96	6:25	5.9	2.95	29.46	3.94	26.40	41,100	5.9	*	<0.01	0.56	0.56	400	2,000
5	7/4/96	7:30	3.9	1.95	29.70	3.73	19.30	31,100	3.9	*	<0.01	0.80	0.80	40	60
5	7/8/96	13:15	7.5	3.75	31.15	5.16	8.30	14,750	3.9		0.07	0.62	0.69	200	500
5	7/9/96	14:20	8.2	4.1	30.50	4.78	9.90	17,100	3.3		0.07	0.87	0.94	200	3,300,000
5	7/10/96	15:25	3.6	1.8	31.89	5.30	11.50	19,800	3.6	*	0.11	0.68	0.79	500	800
5	7/19/96	7:25	3.3	1.65	29.25	3.23	19.20	31,000	3.3	*	<0.01	0.72	0.72	60	200
5	7/20/96	8:05	5.6	2.8	30.55	2.89	21.00	33,600	4.9		0.02	0.57	0.59	50	60
5	7/22/96	10:15	3	1.5	31.64	3.28	22.3	35,500	3	*	0.04	0.54	0.58	200	280
5	7/23/96	11:40	3.3	1.65	32.69	4.69	20.90	33,600	3.3	*	<0.01	0.56	0.56	60	160
5	7/24/96	13:10	5.9	2.95	32.40	5.40	19.9	32,200	4.9		0.02	0.54	0.56	120	210
5	7/31/96	6:35	7.2	3.6	29.06	2.81	18.50	30,000	3.9		0.03	0.84	0.87	4,000	4,500

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
6	7/4/96	7:40	3.9	1.95	30.00	3.37	18.40	30,300	3.6		<0.01	0.76	0.76	40	70
6	7/8/96	13:25	3.9	1.95	30.75	6.21	3.60	7,060	2.3		0.13	0.69	0.82	600	600
6	7/9/96	14:30	3.9	1.95	30.52	5.39	4.70	8,870	2.3		0.10	0.87	0.97	300	1,500,000
6	7/10/96	15:35	3.9	1.95	31.44	5.50	8.70	16,000	2.6		0.11	0.77	0.88	800	800
6	7/19/96	7:35	3.6	1.8	30.25	3.47	24.00	37,900	3.6	*	0.02	0.80	0.82	200	220
6	7/20/96	8:10	3.6	1.8	31.02	3.33	23.30	37,000	3.3		<0.01	0.67	0.67	120	1,000
6	7/22/96	10:25	3.9	1.95	32.02	3.23	20.1	33,500	3.3		<0.01	0.73	0.73	300	430
6	7/23/96	11:50	4.3	2.15	32.77	5.35	19.00	30,600	2.6		0.02	0.69	0.71	80	100
6	7/24/96	13:15	3.6	1.8	32.69	6.80	16.1	26,600	3		0.02	0.76	0.78	400	1,200
6	7/31/96	6:45	3.9	1.95	29.15	3.81	15.30	25,300	3		0.06	1.31	1.37	4,000	6,000
7	7/4/96	7:55	5.9	2.95	29.95	3.31	23.80	37,600	3.9		<0.01	0.99	0.99	<10	90
7	7/8/96	13:35	7.5	3.75	29.89	3.07	21.90	34,800	2.3		0.12	0.80	0.92	700	1,000
7	7/9/96	14:35	6.6	3.3	30.60	3.34	23.00	36,200	2		0.11	0.83	0.94	400	2,600,000
7	7/10/96	15:50	5.9	2.95	32.23	5.06	12.50	24,900	2.6		0.11	0.83	0.94	1,000	5,000
7	7/19/96	7:50	8.2	4.1	30.56	3.47	24.40	38,500	3.9		0.02	0.79	0.81	600	1,200
7	7/20/96	8:20	7.2	3.6	31.27	3.00	22.80	36,100	3.3		<0.01	0.69	0.69	130	400
7	7/22/96	10:30	6.6	3.3	31.68	2.97	24.6	39,900	2.6		<0.01	0.73	0.73	50	400
7	7/23/96	12:00	3.9	1.95	32.81	6.29	14.80	24,900	2.6		<0.01	0.78	0.78	80	120
7	7/24/96	13:20	3.9	1.95	32.74	6.04	17.3	29,300	2.6		0.02	0.68	0.70	800	1,500
7	7/31/96	6:55	3.9	1.95	29.14	4.24	13.30	22,000	3		0.08	0.86	0.94	7,000	7,000
8	7/4/96	8:05	4.3	2.15	30.46	3.03	17.70	29,000	2.6		<0.01	0.88	0.88	<10	4,000
8	7/8/96	13:45	3	1.5	30.83	6.49	0.05	1,680	2		0.16	0.72	0.88	300	2,000
8	7/9/96	14:50	2.3	1.15	30.35	5.06	1.50	3,610	2		0.10	1.02	1.12	500	2,000
8	7/10/96	16:05	3.3	1.65	31.60	5.19	2.30	5,060	2.3		0.16	0.83	0.99	500	3,000
8	7/19/96	8:05	2.3	1.15	29.07	4.82	5.90	10,930	2.3	*	0.02	0.86	0.88	70	3,000
8	7/20/96	8:25	2.6	1.3	30.36	4.63	9.80	17,000	2.3		0.02	0.70	0.72	170	500
8	7/22/96	10:45	2.3	1.15	32.00	6.05	9.4	16,600	2.3	*	<0.01	0.70	0.70	120	200
8	7/23/96	12:10	3	1.5	33.11	6.88	10.50	18,300	2.3		0.03	0.23	0.26	500	500
8	7/24/96	13:40	2.3	1.15	33.04	6.41	11.9	20,300	2.3	*	0.02	0.73	0.75	500	1,400
8	7/31/96	7:05	2.3	1.15	29.15	4.14	8.20	14,690	2.3	*	0.09	0.97	1.06	7,000	10,000
9	7/4/96	8:15	2.3	1.15	28.85	6.32	4.40	8,520	2.3	*	<0.01	0.99	0.99	50	3,000
9	7/8/96	13:55	2	1	30.79	6.32		667	2	*	0.18	0.65	0.83	500	3,000
9	7/9/96	15:00	2	1	30.34	5.27	0.50	1,960	2	*	0.16	1.18	1.34	300	2,000
9	7/10/96	16:15	2	1	31.21	4.74	1.20	3,080	2	*	0.15	0.79	0.94	700	3,000
9	7/19/96	8:15	2	1	29.32	5.34	5.20	9,720	2	*	0.03	0.91	0.94	140	300
9	7/20/96	8:50	2.3	1.15	30.51	4.62	7.30	13,140	2.3	*	<0.01	0.79	0.79	100	400
9	7/22/96	10:55	2	1	31.94	5.63	8	14,390	2	*	<0.01	0.62	0.62	120	300
9	7/23/96	12:20	2.3	1.15	33.25	6.65	9.50	17,000	2.3	*	<0.01	1.07	1.07	100	200
9	7/24/96	13:50	2.3	1.15	32.92	6.85	9.4	18,400	2.3	*	0.05	0.76	0.81	1,100	1,600
9	7/31/96	7:15	2.6	1.3	29.04	4.22	6.70	12,280	2.3		0.11	1.13	1.24	12,000	40,000
10	7/4/96	8:25	5.6	2.8	29.90	4.57	8.30	14,720	2.3		<0.01	0.88	0.88	40	4,000
10	7/8/96	14:05	4.9	2.45	30.18	5.63		496	2		0.19	0.61	0.80	700	5,000
10	7/9/96	15:10	6.6	3.3	30.27	4.17	0.50	1,860	2		0.18	0.68	0.86	700	1,000
10	7/10/96	16:25	3.6	1.8	30.88	4.18	1.30	3,111	2.3		0.17	0.79	0.96	500	3,000
10	7/19/96	8:25	5.2	2.6	30.93	3.15	11.20	19,100	2.3		0.02	0.94	0.96	400	700
10	7/20/96	9:00	5.2	2.6	31.30	3.57	10.10	17,500	2.6		0.01	0.88	0.89	300	400
10	7/22/96	11:05	3.6	1.8	31.90	5.18	6.1	11,090	3		<0.01	0.84	0.84	80	200
10	7/23/96	12:30	6.6	3.3	32.88	3.97	18.40	30,600	2.3		0.04	1.09	1.13	120	500
10	7/24/96	14:00	4.3	2.15	33.10	5.46	5.70	11,020	2.3		0.03	0.92	0.95	1,100	1,200
10	7/31/96	7:30	4.6	2.3	29.23	3.93	5.80	10,510	2		0.11	1.26	1.37	20,000	90,000

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
11	7/4/96	8:40	5.6	2.8	29.62	6.38	1.50	3,630	2.3		0.12	1.23	1.35	30	600
11	7/8/96	14:20	3.9	1.95	30.37	5.51		469	2.3		0.20	0.56	0.76	700	5,000
11	7/9/96	15:25	5.2	2.6	30.35	5.08		496	2		0.21	0.69	0.90	500	2,000
11	7/10/96	16:35	3.9	1.95	30.85	4.51		741	2.3		0.20	0.75	0.95	400	10,000
11	7/19/96	8:35	4.9	2.45	29.80	4.67	2.10	4,710	2.6		0.02	1.01	1.03	300	900
11	7/20/96	9:10	5.2	2.6	30.81	2.93	4.80	9,420	3		0.04	1.04	1.08	1,000	1,300
11	7/22/96	11:15	5.2	2.6	31.80	4.61	4.1	8,160	3		<0.01	1.05	1.05	200	400
11	7/23/96	12:40	4.9	2.45	32.98	2.58	12.30	21,100	2.3		0.05	1.02	1.07	500	2,000
11	7/24/96	14:10	5.6	2.8	32.77	5.27	3.10	6,360	2.3		0.05	0.94	0.99	500	600
11	7/31/96	7:40	5.2	2.6	28.70	3.89	2.30	5,000	2		0.13	1.31	1.44	7,000	100,000
12	7/4/96	8:50	3.9	1.95	29.77	6.54	0.20	1,385	2.6		0.18	1.07	1.25	40	3,000
12	7/8/96	14:30	4.6	2.3	30.08	5.35		459	2.3		0.20	0.59	0.79	400	4,000
12	7/9/96	15:35	4.3	2.15	30.02	4.64		490	2		0.20	0.82	1.02	600	9,000
12	7/10/96	16:45	4.6	2.3	30.62	4.84		511	2.3		0.20	0.58	0.78	800	3,000
12	7/19/96	8:45	3.9	1.95	29.72	5.00	0.30	1,486	2.3		0.08	0.98	1.06	300	1,100
12	7/20/96	9:20	4.3	2.15	30.35	4.53	1.60	3,680	2.3		0.04	1.02	1.06	2,800	3,600
12	7/22/96	11:25	3.6	1.8	31.51	4.93	1.7	3,980	2.6		0.01	0.89	0.90	200	500
12	7/23/96	12:50	3.9	1.95	32.23	4.98	1.90	4,290	2		0.05	1.14	1.19	400	2,000
12	7/24/96	14:20	4.6	2.3	32.38	5.04	1.60	3,840	2.3		0.08	0.86	0.94	700	800
12	7/31/96	7:50	4.3	2.15	28.37	4.22	1.10	2,920	2		0.20	0.98	1.18	30,000	180,000
13	7/4/96	9:00	3.6	1.8	29.69	5.31		622	2.3		0.23	0.91	1.14	60	5,000
13	7/8/96	14:45	5.9	2.95	30.18	5.33		463	2.3		0.20	0.51	0.71	700	5,000
13	7/9/96	15:45	5.6	2.8	29.95	4.55		489	2		0.19	0.98	1.17	900	5,000
13	7/10/96	16:55	5.2	2.6	30.71	5.11		511	2		0.21	0.56	0.77	600	6,000
13	7/19/96	8:55	5.2	2.6	29.65	4.41		526	2.3		0.11	0.91	1.02	500	6,000
13	7/20/96	9:30	5.6	2.8	30.03	4.99		800	2.3		0.05	0.75	0.80	200	4,000
13	7/22/96	11:35	5.6	2.8	31.23	5.55	0.2	1,420	2.3		<0.01	0.78	0.78	800	3,000
13	7/23/96	13:00	5.9	2.95	32.06	5.24	0.50	1,870	1.6		0.02	0.39	0.41	200	3,000
13	7/24/96	14:30	5.6	2.8	32.36	5.18	0.70	2,220	2		0.08	0.86	0.94	1,200	1,200
13	7/31/96	8:00	4.6	2.3	28.40	4.63	0.50	1,840	2		0.13	0.87	1.00	30,000	70,000
14	7/4/96	9:15	3	1.5	29.43	4.84		536	2.3		0.17	0.85	1.02	60	9,000
14	7/8/96	14:55	3	1.5	30.71	6.06		453	2.3		0.17	0.58	0.75	700	1,000
14	7/9/96	15:55	3.3	1.65	29.96	4.80		491	2		0.19	0.75	0.94	600	4,000
14	7/10/96	17:05	7.9	3.95	30.96	5.44		515	1.6		0.22	0.54	0.76	4,000	4,000
14	7/19/96	9:05	6.6	3.3	28.81	4.08		526	1.6		0.12	0.77	0.89	600	800
14	7/20/96	9:45	7.2	3.6	29.82	4.72		553	2		0.08	0.67	0.75	500	3,000
14	7/22/96	11:50	7.2	3.6	31.55	5.45		693	2		0.22	0.54	0.76	600	1,000
14	7/23/96	13:15	5.9	2.95	32.34	5.52		856	1.6		0.03	0.74	0.77	300	5,000
14	7/24/96	14:45	7.2	3.6	32.63	5.16	0.10	1,248	1.6		0.07	0.83	0.90	800	2,000
14	7/31/96	8:15	6.9	3.45	28.31	4.29	0.30	1,540	2.3		0.10	0.93	1.03	20,000	70,000
15	7/4/96	6:30	0.5	0.25	27.38	3.52		546	0.5	*	0.16	0.84	1.00	2,000	2,000
15	7/8/96	12:20	1	0.5	28.30	5.45		496	1	*	0.17	0.74	0.91	1,400	4,000
15	7/9/96	13:30	1	0.5	28.46	3.90		522	1	*	0.29	0.85	1.14	800	2,500,000
15	7/10/96	14:40	1.5	0.75	29.05	5.17		522	1.5	*	0.40	0.83	1.23	17,000	18,000
15	7/19/96	6:30	1.5	0.75	26.85	5.25		531	1.5	*	0.12	0.81	0.93	20,000	70,000
15	7/20/96	7:20	1	0.5	26.68	3.61		554	1	*	0.39	0.60	0.99	160,000	280,000
15	7/22/96	9:30	0.5	0.25	26.31	3.54		601	0.5	*	0.50	0.68	1.18	4,000	4,600
15	7/23/96	11:00	0.5	0.25	26.48	4.11		604	0.5	*	0.56	0.99	1.55	9,000	16,000
15	7/24/96	12:30	0.5	0.25	27.59	5.40		363	0.5	*	0.41	0.59	1.00	70,000	120,000
15	7/31/96	6:50	2	1	27.88	4.34		451	2	*	0.12	1.03	1.15	40,000	40,000

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
16	7/4/96	7:00	2.1	1.05	28.99	5.05		522	2		0.25	0.71	0.96	200	700
16	7/8/96	12:31	3	1.5	29.30	5.38		456	3	*	0.18	0.64	0.82	400	2,000
16	7/9/96	13:31	2.5	1.25	29.23	4.39		488	2		0.20	0.69	0.89	600	2,400,000
16	7/10/96	14:48	2.5	1.25	30.55	6.03		513	2.5	*	0.25	0.63	0.88	5,000	5,000
16	7/19/96	6:50	2.5	1.25	28.88	5.00		523	2		0.16	0.73	0.89	3,000	6,000
16	7/20/96	7:30	2.2	1.1	29.49	5.08		540	2		0.10	0.58	0.68	300	4,000
16	7/22/96	9:37	2.8	1.4	30.59	5.17		574	1.8		0.04	0.64	0.68	2,000	3,000
16	7/23/96	11:07	2.5	1.25	31.13	4.21		587	2		0.06	0.64	0.70	7,000	11,000
16	7/24/96	12:39	3	1.5	31.23	5.10		599	2		0.07	0.76	0.83	20,000	30,000
16	7/31/96	7:03	2.8	1.4	27.57	3.35		586	2		0.04	1.14	1.18	50,000	50,000
17	7/4/96	7:15	2	1	28.50	4.85		524	2	*	0.16	0.64	0.80	2,000	4,000
17	7/8/96	12:41	2	1	29.30	5.81		459	2	*	0.20	0.70	0.90	900	5,000
17	7/9/96	13:50	2.5	1.25	29.33	4.73		485	2		0.22	0.86	1.08	600	2,700,000
17	7/10/96	14:57	2.5	1.25	30.88	6.86		514	2.5	*	0.26	0.76	1.02	4,000	4,000
17	7/19/96	7:01	2.5	1.25	27.98	4.72		549	2		0.16	0.66	0.82	1,000	1,700
17	7/20/96	7:45	2.5	1.25	28.50	4.65		592	2		0.12	0.78	0.90	900	6,000
17	7/22/96	9:47	3	1.5	29.87	5.56		567	1.5		0.04	0.76	0.80	3,000	3,600
17	7/23/96	11:12	2.5	1.25	30.98	5.71		583	2		0.05	0.82	0.87	1,200	5,000
17	7/24/96	12:44	3	1.5	31.41	6.13		599	2		0.06	0.69	0.75	4,000	8,000
17	7/31/96	7:13	3	1.5	27.46	3.21		500	2		0.22	1.03	1.25	60,000	60,000
18	7/4/96	7:25	2	1	28.50	5.35		533	2	*	0.19	0.58	0.77	200	2,000
18	7/8/96	12:51	2	1	29.50	6.60		471	2	*	0.19	0.62	0.81	900	900
18	7/9/96	13:58	2.5	1.25	29.01	5.24		484	2		0.22	0.72	0.94	100	1,600,000
18	7/10/96	15:04	2.5	1.25	30.47	7.07		512	2.5	*	0.23	0.55	0.78	2,500	3,000
18	7/19/96	7:09	2.5	1.25	28.31	5.17		557	2		0.16	0.68	0.84	600	2,000
18	7/20/96	7:52	2.2	1.1	28.80	5.21		564	2		0.12	0.71	0.83	300	800
18	7/22/96	9:53	2.5	1.25	29.81	5.45		573	1.5		0.06	0.59	0.65	700	3,000
18	7/23/96	11:19	2.5	1.25	30.60	5.83		590	2.5	*	0.07	1.05	1.12	100	2,000
18	7/24/96	12:50	3	1.5	31.04	5.75		594	2		0.08	0.72	0.80	5,000	6,000
18	7/31/96	7:19	2	1	27.09	3.07		447	2	*	0.22	1.15	1.37	10,000	50,000
19	7/4/96	7:35	2.5	1.25	28.56	4.89		536	2.5	*	0.22	0.61	0.83	200	3,000
19	7/8/96	13:01	2	1	29.01	6.86		464	2	*	0.21	0.60	0.81	1,100	1,100
19	7/9/96	14:08	2	1	28.76	5.40		435	1		0.24	0.92	1.16	4,000	190,000
19	7/10/96	15:14	2.5	1.25	30.25	7.64		515	2.5	*	0.25	0.63	0.88	1,500	10,000
19	7/19/96	7:20	2	1	28.17	4.50		540	2	*	0.20	0.73	0.93	700	5,000
19	7/20/96	8:04	2.5	1.25	28.27	4.16		551	2.5	*	0.14	0.78	0.92	5,000	8,000
19	7/22/96	10:03	2	1	28.82	4.82		573	2	*	0.08	0.49	0.57	600	3,000
19	7/23/96	11:28	2	1	29.75	4.91		592	2	*	0.09	0.74	0.83	600	3,000
19	7/24/96	13:00	2	1	30.11	5.36		575	2	*	0.11	0.64	0.75	3,000	4,000
19	7/31/96	7:28	2	1	26.85	3.08		449	2	*	0.22	0.81	1.03	9,000	60,000
20	7/4/96	7:40	2	1	28.64	5.45		531	2	*	0.22	0.63	0.85	200	3,000
20	7/8/96	13:15	2	1	29.17	6.69		451	2	*	0.21	0.66	0.87	600	1,000
20	7/9/96	14:21	2	1	28.80	6.00		472	1		0.24	0.70	0.94	500	2,200,000
20	7/10/96	15:24	2.5	1.25	30.58	7.73		500	2.5	*	0.25	0.52	0.77	700	4,000
20	7/19/96	7:31	2	1	28.11	5.14		529	2	*	0.21	0.63	0.84	400	2,000
20	7/20/96	8:14	2.5	1.25	28.35	4.77		536	2.5	*	0.16	0.69	0.85	3,000	3,000
20	7/22/96	10:14	2	1	28.74	4.98		555	2	*	0.10	0.56	0.66	800	1,000
20	7/23/96	11:40	2.5	1.25	29.81	5.46		569	2.5	*	0.10	0.90	1.00	500	2,000
20	7/24/96	13:11	2.5	1.25	30.27	5.81		570	2.5	*	0.12	0.64	0.76	2,000	2,000
20	7/31/96	7:30	2	1	26.83	3.68		432	2	*	0.20	1.26	1.46	17,000	19,000

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.															
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
21	7/4/96	7:50	2	1	28.76	5.11		562	2	*	0.22	0.71	0.93	60	8,000
21	7/8/96	13:28	2	1	29.75	6.91		489	2	*	0.20	0.67	0.87	500	700
21	7/9/96	14:28	1.5	0.75	29.05	6.32		511	1.5	*	0.26	0.66	0.92	500	1,700,000
21	7/10/96	15:32	2	1	31.15	8.11		521	2	*	0.27	0.62	0.89	4,000	4,000
21	7/19/96	7:39	1	0.5	28.35	4.63		555	1	*	0.20	0.61	0.81	300	3,000
21	7/20/96	8:21	2.2	1.1	29.65	4.81		561	2.2	*	0.14	0.76	0.90	4,000	8,000
21	7/22/96	10:21	2	1	30.05	6.13		583	2	*	0.08	0.73	0.81	600	2,000
21	7/23/96	11:48	2	1	31.15	7.01		584	2	*	0.09	0.54	0.63	400	500
21	7/24/96	13:15	2	1	31.64	7.10		589	2	*	0.08	0.69	0.77	1,400	4,000
21	7/31/96	7:45	2.5	1.25	27.02	4.34		444	2.5	*	0.20	1.18	1.38	40,000	50,000
22	7/4/96	8:00	0.5	0.25	26.85	5.07		361	0.5	*	0.20	0.66	0.86	5,000	30,000
22	7/8/96	13:36	1	0.5	32.12	7.71		317	1	*	0.09	0.58	0.67	200	3,000
22	7/9/96	14:39	0.5	0.25	29.23	7.39		335	0.5	*	0.13	0.70	0.83	100,000	160,000
22	7/10/96	15:43	1	0.5	31.39	7.68		329	1	*	0.11	0.62	0.73	2,000	7,000
22	7/19/96	7:53	0.5	0.25	24.49	5.28		379	0.5	*	0.24	0.63	0.87	1,300	4,000
22	7/20/96	8:30	0.5	0.25	25.75	6.03		313	0.5	*	0.18	0.69	0.87	1,300	2,000
22	7/22/96	10:33	0.5	0.25	27.94	8.65		400	0.5	*	0.07	0.48	0.55	100	400
22	7/23/96	11:57	0.5	0.25	30.62	9.41		387	0.5	*	0.13	0.90	1.03	200	400
22	7/24/96	13:29	0.5	0.25	31.29	9.56		328	0.5	*	0.10	0.62	0.72	2,000	3,300
22	7/31/96	7:56	0.5	0.25	26.16	5.27		355	0.5	*	0.17	0.82	0.99	20,000	40,000
23	7/4/96	8:10	1	0.5	27.00	5.01		412	1	*	0.14	0.51	0.65	30	2,000
23	7/8/96	13:45	1	0.5	29.09	8.78		351	1	*	0.21	0.53	0.74	600	3,000
23	7/9/96	14:46	1.5	0.75	28.27	7.56		388	1.5	*	0.27	0.54	0.81	1,000	170,000
23	7/10/96	15:49	2	1	30.13	9.23		382	2	*	0.31	0.46	0.77	1,900	6,000
23	7/19/96	8:00	1.5	0.75	25.56	4.52		400	1.5	*	0.34	0.58	0.92	600	1,100
23	7/20/96	8:37	1	0.5	26.31	5.00		471	1	*	0.24	0.47	0.71	200	1,300
23	7/22/96	10:40	1	0.5	27.30	7.02		370	1	*	0.17	0.44	0.61	600	3,000
23	7/23/96	12:04	1	0.5	28.52	8.25		440	1	*	0.18	0.40	0.58	1,000	1,700
23	7/24/96	13:36	1	0.5	29.69	9.72		480	1	*	0.17	0.43	0.60	1,000	4,000
23	7/31/96	8:02	1	0.5	25.64	3.56		447	1	*	0.06	0.88	0.94	3,000	3,000
24	7/4/96	8:20	1.5	0.75	27.07	5.20		413	1.5	*	0.26	0.53	0.79	80	16,000
24	7/8/96	13:56	2	1	28.88	8.29		356	2	*	0.21	1.70	1.91	200	600
24	7/9/96	14:54	2	1	28.23	7.19		375	1.5		0.27	0.53	0.80	2,000	280,000
24	7/10/96	15:57	2	1	29.89	8.30		382	2	*	0.30	0.41	0.71	2,000	8,000
24	7/19/96	8:08	1.5	0.75	25.58	4.30		456	1.5	*	0.32	0.59	0.91	600	2,000
24	7/20/96	8:44	1.5	0.75	26.38	5.14		470	1.5	*	0.24	0.56	0.80	900	900
24	7/22/96	10:48	1	0.5	27.30	7.09		474	1	*	0.19	0.53	0.72	200	1,000
24	7/23/96	12:12	1	0.5	28.50	7.93		465	1	*	0.21	0.36	0.57	800	1,500
24	7/24/96	13:43	1	0.5	29.71	9.48		431	1	*	0.19	0.50	0.69	1,000	4,000
24	7/31/96	8:09	1	0.5	25.71	3.77		474	1	*	0.18	0.59	0.77	900	2,000
25	7/4/96	8:25	0.8	0.4	27.11	5.05		360	0.8	*	0.24	0.53	0.77	150	2,000
25	7/8/96	14:03	2	1	28.90	7.30		345	2	*	0.20	1.37	1.57	400	6,000
25	7/9/96	15:01	1	0.5	28.15	6.39		362	1	*	0.22	0.59	0.81	2,000	140,000
25	7/10/96	16:04	1	0.5	29.27	7.41		367	1	*	0.29	0.57	0.86	4,000	5,200
25	7/19/96	8:15	0.5	0.25	25.66	5.13		409	0.5	*	0.31	0.93	1.24	7,000	30,000
25	7/20/96	8:52	0.5	0.25	26.41	5.26		455	0.5	*	0.23	0.60	0.83	30,000	30,000
25	7/22/96	10:58	0.5	0.25	27.59	6.63		448	0.5	*	0.19	0.50	0.69	80	2,000
25	7/23/96	12:20	0.5	0.25	28.35	7.82		386	0.5	*	0.22	0.41	0.63	200	1,000
25	7/24/96	13:50	0.5	0.25	29.23	8.54		450	0.5	*	0.20	0.44	0.64	800	2,000
25	7/31/96	8:15	0.5	0.25	25.81	4.26		393	0.5	*	0.20	0.91	1.11	20,000	40,000

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.															
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
26	7/4/96	8:30	0.5	0.25	27.38	3.24		346	0.5	*	0.26	0.39	0.65	100	6,000
26	7/8/96	14:10	2	1	29.39	8.02		296	2	*	0.21	0.56	0.77	400	2,000
26	7/9/96	15:07	0.5	0.25	28.27	5.88		232	0.5	*	0.36	0.57	0.93	900	170,000
26	7/10/96	16:12	1	0.5	29.55	7.65		330	1	*	0.38	0.49	0.87	1,500	4,000
26	7/19/96	8:21	0.5	0.25	25.55	2.55		390	0.5	*	0.34	0.48	0.82	500	1,000
26	7/20/96	8:58	2	1	26.41	2.77		385	2	*	0.26	0.47	0.73	90,000	100,000
26	7/22/96	11:02	0.5	0.25	28.94	6.51		400	0.5	*	0.16	0.48	0.64	90	1,200
26	7/23/96	12:27	0.5	0.25	28.80	7.32		456	0.5	*	0.18	0.38	0.56	900	1,000
26	7/24/96	13:56	0.5	0.25	29.61	9.05		387	0.5	*	0.20	0.40	0.60	500	2,000
26	7/31/96	8:21	0.5	0.25	26.07	2.32		399	0.5	*	0.06	0.49	0.55	1,100	4,000
27	7/4/96	8:35	2	1	26.92	4.02		410	2	*	0.19	0.58	0.77	90	900
27	7/8/96	14:20	2	1	28.50	5.62		377	2	*	0.20	0.64	0.84	60	1,000
27	7/9/96	15:15	2	1	28.04	5.21		386	2	*	0.23	0.85	1.08	40	2,700,000
27	7/10/96	16:18	2	1	28.88	5.81		386	2	*	0.29	0.54	0.83	400	800
27	7/19/96	8:28	1	0.5	25.60	4.59		440	1	*	0.30	0.60	0.90	300	400
27	7/20/96	9:04	1.2	0.6	26.30	4.51		407	1.2	*	0.24	0.62	0.86	200	1,000
27	7/22/96	11:09	2	1	23.42	5.20		371	2	*	0.24	0.47	0.71	400	1,000
27	7/23/96	12:33	1	0.5	27.50	5.60		471	1	*	0.26	0.39	0.65	150	400
27	7/24/96	14:02	2	1	28.39	6.84		476	2	*	0.19	0.39	0.58	400	2,000
27	7/31/96	8:28	1	0.5	25.17	4.47		440	1	*	0.35	1.52	1.87	4,000	8,000
28	7/4/96	6:30	0.4	0.2	27.25	4.94		442	0.4	*	0.21	0.54	0.75	40	1,200
28	7/8/96	12:20	0.9	0.45	28.17	7.38		365	0.9	*	0.20	0.64	0.84	200	9,000
28	7/9/96	13:30	1	0.5	28.24	7.29		380	1	*	0.24	0.61	0.85	1,300	120,000
28	7/10/96	14:35	1	0.5	29.99	8.96		375	1	*	0.31	0.49	0.80	>3,600,000	>3,600,000
28	7/19/96	6:30	0.7	0.35	26.02	5.41		470	0.7	*	0.34	0.51	0.85	100	1,000
28	7/20/96	7:30	0.6	0.3	26.46	5.25		476	0.6	*	0.23	0.53	0.76	1,100	1,600
28	7/22/96	9:30	0.7	0.35	26.74	5.04		477	0.7	*	0.16	0.45	0.61	1,500	2,000
28	7/23/96	11:00	0.2	0.1	27.61	6.51		480	0.2	*	0.18	0.50	0.68	300	500
28	7/24/96	13:20	0.9	0.45	29.49	8.81		481	0.9	*	0.16	0.40	0.56	200	2,000
28	7/31/96	6:30	0.7	0.35	25.90	3.83		392	0.7	*	0.18	0.63	0.81	900	7,000
29	7/4/96	6:40	0.4	0.2	26.82	6.17		424	0.4	*	0.23	0.49	0.72	<10	700
29	7/8/96	12:30	1	0.5	28.41	7.59		352	1	*	0.20	0.64	0.84	600	20,000
29	7/9/96	13:40	0.4	0.2	28.36	7.39		373	0.4	*	0.25	0.51	0.76	300	1,000
29	7/10/96	14:50	0.4	0.2	30.27	8.73		382	0.4	*	0.27	0.52	0.79	>3,600,000	>3,600,000
29	7/19/96	6:40	0.3	0.15	26.04	5.76		469	0.3	*	0.31	0.49	0.80	200	3,000
29	7/20/96	7:40	0.2	0.1	26.47	5.82		467	0.2	*	0.21	0.55	0.76	400	1,000
29	7/22/96	9:40	0.3	0.15	26.75	5.79		470	0.3	*	0.16	0.52	0.68	700	800
29	7/23/96	11:10	0.1	0.05	27.60	6.81		475	0.1	*	0.17	0.48	0.65	500	800
29	7/24/96	13:30	2.7	1.35	29.59	8.81		475	2.7	*	0.23	0.53	0.76	200	3,000
29	7/31/96	6:40	0.2	0.1	25.92	4.54		397	0.2	*	0.16	0.48	0.64	500	3,000
30	7/4/96	6:50	0.5	0.25	29.25	5.83		530	0.5	*	0.20	0.71	0.91	<10	6,000
30	7/8/96	12:40	0.7	0.35	29.16	6.53		501	0.7	*	0.22	0.62	0.84	500	2,000
30	7/9/96	13:50	0.7	0.35	29.11	6.11		524	0.7	*	0.20	0.76	0.96	800	800
30	7/10/96	15:00	0.6	0.3	30.70	7.85		550	0.6	*	0.26	0.66	0.92	>3,600,000	>3,600,000
30	7/19/96	6:50	0.5	0.25	28.92	5.11		558	0.5	*	0.20	0.68	0.88	400	1,000
30	7/20/96	7:50	0.4	0.2	29.78	4.81		567	0.4	*	0.14	0.65	0.79	1,200	3,000
30	7/22/96	9:50	0.6	0.3	30.03	4.98		596	0.6	*	0.08	0.62	0.70	200	2,000
30	7/23/96	11:30	0.7	0.35	31.26	6.52		621	0.7	*	0.10	0.44	0.54	700	2,000
30	7/24/96	13:40	0.8	0.4	32.17	7.98		601	0.8	*	0.14	0.84	0.98	800	1,000
30	7/31/96	6:50	0.6	0.3	27.22	4.13		448	0.6	*	0.18	0.82	1.00	900	20,000

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.															
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
31	7/4/96	7:00	1.6	0.8	29.15	5.42		573	1.6	*	0.18	0.82	1.00	200	6,000
31	7/8/96	13:00	2.1	1.05	29.39	6.60		492	2.1	*	0.18	0.74	0.92	60	2,000
31	7/9/96	14:00	1.9	0.95	29.20	6.26		512	1.9	*	0.19	0.71	0.90	400	500
31	7/10/96	15:10	1.5	0.75	30.81	7.87		534	1.5	*	0.22	0.60	0.82	>3,600,000	>3,600,000
31	7/19/96	7:00	1.4	0.7	28.86	5.12		549	1.4	*	0.24	0.63	0.87	200	500
31	7/20/96	8:00	1.4	0.7	29.31	5.08		559	1.4	*	0.14	0.79	0.93	700	1,600
31	7/22/96	10:00	1.5	0.75	30.26	5.49		591	1.5	*	0.06	1.03	1.09	100	300
31	7/23/96	11:40	1.5	0.75	31.65	6.50		608	1.5	*	0.10	0.40	0.50	80	1,000
31	7/24/96	13:50	1.7	0.85	32.13	7.38		603	1.7	*	0.68	0.44	1.12	1,000	1,800
31	7/31/96	7:00	2	1	27.38	4.20		452	2	*	0.14	0.81	0.95	9,000	50,000
32	7/4/96	7:10	1.4	0.7	29.05	5.77		579	1.4	*	0.12	0.69	0.81	30	4,000
32	7/8/96	13:10	1.8	0.9	29.3	7.00		491	1.8	*	0.18	0.69	0.87	400	2,000
32	7/9/96	14:10	1.4	0.7	29.12	6.50		510	1.4	*	0.19	0.73	0.92	300	2,000
32	7/10/96	15:20	1.2	0.6	30.68	8.11		531	1.2	*	0.19	0.60	0.79	>3,600,000	>3,600,000
32	7/19/96	7:10	1.1	0.55	28.74	5.10		538	1.1	*	0.19	0.68	0.87	200	500
32	7/20/96	8:10	1.2	0.6	29.11	5.22		549	1.2	*	0.13	0.71	0.84	200	800
32	7/22/96	10:10	1.1	0.55	29.93	5.71		593	1.1	*	0.11	0.60	0.71	400	700
32	7/23/96	11:50	1.1	0.55	31.17	6.70		608	1.1	*	0.14	0.67	0.81	400	500
32	7/24/96	14:00	1.3	0.65	31.69	7.11		586	1.3	*	0.12	0.57	0.69	300	3,000
32	7/31/96	7:10	2.1	1.05	27.49	4.36		479	2.1	*	0.13	0.71	0.84	20,000	60,000
33	7/4/96	7:20	2.2	1.1	29.03	5.54		581	2.2	*	0.14	0.62	0.76	600	1,700
33	7/8/96	13:20	1.6	0.8	29.37	7.24		490	1.6	*	0.20	0.71	0.91	100	8,000
33	7/9/96	14:20	0.9	0.45	29.15	6.38		512	0.9	*	0.20	0.80	1.00	400	4,000
33	7/10/96	15:30	1	0.5	30.76	8.22		532	1	*	0.20	0.72	0.92	>3,600,000	>3,600,000
33	7/19/96	7:20	1.4	0.7	28.72	4.97		543	1.4	*	0.21	0.63	0.84	300	700
33	7/20/96	8:20	1.3	0.65	29.02	5.10		554	1.3	*	0.10	0.84	0.94	300	600
33	7/22/96	10:20	2.6	1.3	29.95	5.78		590	2.6	*	0.09	0.63	0.72	200	2,000
33	7/23/96	12:00	2.5	1.25	30.27	6.93		594	2.5	*	0.09	0.64	0.73	300	700
33	7/24/96	14:10	1.5	0.75	31.73	7.21		587	1.5	*	0.14	0.55	0.69	800	4,000
33	7/31/96	7:20	2	1	27.52	4.30		486	2	*	0.12	0.98	1.10	4,000	30,000
34	7/4/96	7:30	2.9	1.45	28.74	5.51		572	2.9	*	0.16	0.67	0.83	600	1,200
34	7/8/96	13:35	3.2	1.6	29.65	7.36		493	3.2	*	0.19	0.68	0.87	400	2,000
34	7/9/96	14:30	2.4	1.2	29.16	6.76		516	2.4	*	0.18	0.66	0.84	500	5,000
34	7/10/96	15:40	2.5	1.25	31.15	8.38		528	2.5	*	0.19	0.60	0.79	>3,600,000	>3,600,000
34	7/19/96	7:30	2.8	1.4	28.04	5.40		546	2.8	*	0.23	0.61	0.84	600	1,400
34	7/20/96	8:30	2.8	1.4	28.45	5.41		545	2.8	*	0.12	0.74	0.86	600	600
34	7/22/96	10:30	2.6	1.3	28.99	5.93		586	2.6	*	0.07	0.60	0.67	600	3,000
34	7/23/96	12:10	2.6	1.3	30.09	6.68		597	2.6	*	0.18	0.60	0.78	500	3,000
34	7/24/96	14:20	2.4	1.2	30.64	7.36		592	2.4	*	0.14	0.58	0.72	2,300	4,500
34	7/31/96	7:30	2.7	1.35	27.54	4.46		506	2.7	*	0.12	0.78	0.90	10,000	70,000
35	7/4/96	7:40	1.9	0.95	28.61	5.30		555	1.9	*	0.18	0.70	0.88	400	1,700
35	7/8/96	13:40	2.9	1.45	29.8	7.70		496	2.9	*	0.17	0.76	0.93	300	2,000
35	7/9/96	14:40	2.5	1.25	29.21	6.84		506	2.5	*	0.18	0.89	1.07	800	900
35	7/10/96	15:50	2.7	1.35	31.65	8.52		525	2.7	*	0.18	1.01	1.19	80,000	220,000
35	7/19/96	7:40	2.2	1.1	28.85	4.93		546	2.2	*	0.23	0.64	0.87	500	6,000
35	7/20/96	8:40	2.4	1.2	28.17	4.82		546	2.4	*	0.14	0.93	1.07	2,000	6,000
35	7/22/96	10:40	2.8	1.4	28.47	5.61		574	2.8	*	0.09	0.64	0.73	400	5,000
35	7/23/96	12:20	2.5	1.25	29.49	5.95		583	2.5	*	0.22	0.65	0.87	500	3,000
35	7/24/96	14:30	2.9	1.45	30.25	6.55		558	2.9	*	0.16	0.58	0.74	11,000	16,000
35	7/31/96	7:40	2.5	1.25	27.57	4.64		504	2.5	*	0.12	0.74	0.86	13,000	70,000

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.															
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
36	7/4/96	7:50	2.5	1.25	28.44	5.65		568	2.5	*	0.19	0.76	0.95	700	1,800
36	7/8/96	14:00	2.8	1.4	30.68	8.03		494	2.8	*	0.20	0.72	0.92	200	1,000
36	7/9/96	14:50	2.7	1.35	29.37	7.32		511	2.7	*	0.20	0.74	0.94	100	400
36	7/10/96	16:00	2.5	1.25	32.10	8.26		523	2.5	*	0.26	0.79	1.05	7,000	8,000
36	7/19/96	7:50	2	1	27.59	5.95		558	2	*	0.35	0.55	0.90	600	6,000
36	7/20/96	8:50	2.6	1.3	28.06	5.42		536	2.6	*	0.24	0.78	1.02	2,000	2,100
36	7/22/96	10:50	2.5	1.25	28.98	6.17		575	2.5	*	0.14	0.61	0.75	300	2,000
36	7/23/96	12:30	2.5	1.25	30.76	7.60		591	2.5	*	0.13	0.68	0.81	800	3,000
36	7/24/96	14:40	2.5	1.25	32.17	8.57		559	2.5	*	0.15	0.69	0.84	6,000	7,000
36	7/31/96	7:50	2.7	1.35	27.58	4.89		513	2.7	*	0.11	0.66	0.77	4,000	60,000
37	7/4/96	8:00	2.4	1.2	28.59	4.87		541	2.4	*	0.14	0.69	0.83	180	1,800
37	7/8/96	14:15	3.1	1.55	30.48	7.34		493	3.1	*	0.17	0.83	1.00	300	900
37	7/9/96	15:00	2.5	1.25	29.28	6.33		512	2.5	*	0.20	0.74	0.94	50	800
37	7/10/96	16:10	1.9	0.95	32.20	7.65		519	1.9	*	0.18	0.73	0.91	3,000	20,000
37	7/19/96	8:00	2.1	1.05	27.63	4.83		557	2.1	*	0.24	0.57	0.81	300	2,000
37	7/20/96	9:00	2.2	1.1	28.08	4.64		534	2.2	*	0.22	0.84	1.06	400	5,000
37	7/22/96	11:00	1.8	0.9	28.90	5.22		567	1.8	*	0.18	0.63	0.81	500	7,000
37	7/23/96	12:40	2.8	1.4	30.48	6.29		567	2.8	*	0.14	1.34	1.48	200	800
37	7/24/96	14:50	2.4	1.2	31.58	7.41		561	2.4	*	0.17	0.56	0.73	4,000	6,000
37	7/31/96	8:00	2.4	1.2	27.50	4.09		527	2.4	*	0.13	0.69	0.82	1,600	9,000
38	7/4/96	8:10	1.2	0.6	28.26	5.24		576	1.2	*	0.10	0.61	0.71	200	3,000
38	7/8/96	14:20	1.4	0.7	31.26	9.58		372	1.4	*	0.18	0.54	0.72	400	1,000
38	7/9/96	15:10	1.3	0.65	29.39	8.07		512	1.3	*	0.19	0.58	0.77	300	800
38	7/10/96	16:20	1.5	0.75	31.30	9.38		527	1.5	*	0.13	0.31	0.44	800,000	1,000,000
38	7/19/96	8:10	1.6	0.8	27.22	4.55		443	1.6	*	0.14	1.19	1.33	250	4,000
38	7/20/96	9:10	1.1	0.55	28.14	5.60		524	1.1	*	0.10	0.78	0.88	800	7,000
38	7/22/96	11:10	1.4	0.7	29.69	8.18		510	1.4	*	0.04	0.38	0.42	400	5,000
38	7/23/96	12:50	1	0.5	31.68	9.36		547	1	*	0.14	0.57	0.71	200	2,000
38	7/24/96	15:00	1	0.5	31.91	9.44		543	1	*	0.09	0.39	0.48	3,000	7,000
38	7/31/96	8:10	1.1	0.55	27.46	3.49		492	1.1	*	0.16	0.62	0.78	3,500	10,000
39	7/4/96	8:20	1.4	0.7	28.35	5.06		530	1.4	*	0.18	0.75	0.93	100	1,800
39	7/8/96	14:25	2.2	1.1	30.66	7.30		480	2.2	*	0.19	0.73	0.92	500	1,100
39	7/9/96	15:20	2	1	29.29	6.37		521	2	*	0.19	0.85	1.04	100	400
39	7/10/96	16:30	2	1	31.54	7.35		516	2	*	0.23	0.54	0.77	1,400	1,400
39	7/19/96	8:20	1.7	0.85	27.72	4.89		574	1.7	*	0.36	0.75	1.11	300	2,000
39	7/20/96	9:20	1.6	0.8	28.61	5.41		534	1.6	*	0.23	0.95	1.18	800	1,000
39	7/22/96	11:20	1.7	0.85	30.47	6.27		574	1.7	*	0.21	0.81	1.02	400	400
39	7/23/96	13:00	1	0.5	32.80	7.35		579	1	*	0.16	0.64	0.80	80	700
39	7/24/96	15:10	1.3	0.65	33.34	7.96		591	1.3	*	0.19	0.62	0.81	280	600
39	7/31/96	8:20	1.2	0.6	27.31	4.53		543	1.2	*	0.12	0.87	0.99	4,000	9,000 –
40	7/4/96	8:30	1.2	0.6	28.49	4.84		522	1.2	*	0.15	0.87	1.02	500	4,000
40	7/8/96	14:30	1.3	0.65	30.29	7.24		485	1.3	*	0.15	0.96	1.11	160	800
40	7/9/96	15:30	1	0.5	29.23	6.45		534	1	*	0.17	0.78	0.95	130	200
40	7/10/96	16:40	1	0.5	31.15	7.24		509	1	*	0.18	0.84	1.02	600	600
40	7/19/96	8:30	0.7	0.35	27.94	4.79		557	0.7	*	0.22	1.56	1.78	240	4,000
40	7/20/96	9:30	0.9	0.45	28.86	5.39		546	0.9	*	0.15	1.09	1.24	200	700
40	7/22/96	11:30	1	0.5	30.23	5.99		516	1	*	0.09	0.74	0.83	500	3,000
40	7/23/96	13:10	0.8	0.4	31.92	7.26		586	0.8	*	0.08	0.76	0.84	100	2,000
40	7/24/96	15:20	0.9	0.45	32.69	8.44		603	0.9	*	0.10	0.72	0.82	100	1,000
40	7/31/96	8:30	1.1	0.55	27.38	4.58		540	1.1	*	0.10	0.95	1.05	600	16,000

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.															
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
1 Rep	7/8/96	12:35	6.6	3.3	29.85	5.63	25.40	39,900	5.9		0.02	0.44	0.46	10	30
1 Rep	7/20/96	7:30	6.6	3.3	31.00	4.74	27.90	43,300	5.9		<0.01	0.41	0.41	<10	<10
13 Rep	7/4/96	9:05	3.6	1.8	29.68	5.34		624	2.3		0.22	0.90	1.12	20	4,000
22 Rep	7/4/96	8:01	0.5	0.25	26.83	4.91		362	0.5	*	0.18	0.67	0.85	7,000	16,000
24 Rep	7/19/96	8:09	1.5	0.75	25.58	4.30		456	1.5	*	0.33	0.65	0.98	300	2,000
24 Rep	7/20/96	8:45	0.5	0.25	26.38	5.14		470	0.5	*	0.23	0.61	0.84	800	1,400
24 Rep	7/22/96	10:49	1	0.5	27.48	7.09		474	1	*	0.20	0.51	0.71	160	600
24 Rep	7/23/96	12:13	1	0.5	28.50	7.93		315	1	*	0.20	0.40	0.60	200	300
24 Rep	7/24/96	13:44	1	0.5	29.71	9.48		431	1	*	0.19	0.52	0.71	3,000	3,000
24 Rep	7/31/96	8:10	1	0.5	25.71	3.77		474	1	*	0.17	0.58	0.75	1,100	3,000
25 Rep	7/10/96	16:05	1	0.5	29.27	7.41		367	1	*	0.30	0.56	0.86	3,000	6,000
26 Rep	7/8/96	15:08	0.5	0.25	28.27	5.88		232	0.5	*	0.37	0.58	0.95	1,500	180,000
27 Rep	7/8/96	14:25	2	1	28.50	5.62		377	2	*	0.18	0.73	0.91	60	300
28 Rep	7/8/96	12:22	1.2	0.6	28.20	7.41		355	1.2	*	0.20	0.66	0.86	300	4,000
28 Rep	7/9/96	13:31	1.1	0.55	28.30	7.32		377	1.1	*	0.20	0.60	0.80	1,300	100,000
28 Rep	7/10/96	14:36	1	0.5	30.00	9.12		371	1	*	0.28	0.49	0.77	>3,600,000	>3,600,000
28 Rep	7/19/96	6:31	0.7	0.35	26.05	5.33		470	0.7	*	0.35	0.54	0.89	500	1,000
28 Rep	7/20/96	7:31	0.6	0.3	26.47	5.27		475	0.6	*	0.23	0.57	0.80	600	1,000
28 Rep	7/22/96	9:31	0.8	0.4	26.74	5.12		478	0.8	*	0.17	0.44	0.61	300	1,000
28 Rep	7/23/96	11:01	0.2	0.1	27.64	6.56		479	0.2	*	0.19	0.48	0.67	300	500
28 Rep	7/24/96	13:21	0.9	0.45	29.51	8.76		484	0.9	*	0.16	0.41	0.57	400	1,500
28 Rep	7/31/96	6:31	0.7	0.35	25.90	3.89		404	0.7	*	0.18	0.58	0.76	800	7,000
3 Rep	7/19/96	7:05	3.9	1.95	29.89	4.75	25.80	40,400	3.9	*	<0.01	0.56	0.56	10	20
4 Rep	7/22/96	10:10	4.6	2.3	31.41	4.04	27.2	42,500	4.6	*	<0.01	0.52	0.52	30	40
40 Rep	7/4/96	8:31	1.2	0.6	28.50	4.95		521	1.2	*	0.12	0.86	0.98	500	3,800
40 Rep	7/31/96	8:31	1.1	0.55	27.36	4.60		540	1.1	*	0.11	0.93	1.04	800	12,000
5 Rep	7/23/96	11:45	3.3	1.65	32.72	4.73	20.90	33,500	3.3	*	<0.01	0.56	0.56	120	160
6 Rep	7/10/96	15:40	3.9	1.95	31.55	5.53	9.40	16,300	2.6		0.11	0.73	0.84	700	1,000
7 Rep	7/9/96	14:40	6.6	3.3	30.51	3.25	23.60	37,300	2		0.11	0.86	0.97	400	2,800,000
7 Rep	7/24/96	13:25	3.9	1.95	32.76	5.95	17.6	29,600	2.6		0.02	0.64	0.66	800	1,000
9 Rep	7/31/96	7:20	2.6	1.3	29.01	4.25	6.50	11,950	2.3		0.11	1.14	1.25	20,000	30,000
Control After	7/4/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	7/8/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	7/9/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	7/10/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	7/19/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	7/20/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	7/22/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	7/23/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	7/24/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control After	7/31/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/4/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/8/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/9/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/10/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/19/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/20/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/22/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/23/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/24/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	7/31/96	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the July, 1996 Monitoring Period in Phillippi Creek.															
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (uS/cm)	Secchi Depth (ft)		Total NO2 + NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100ml	Total Coliform Col./100ml
Field Blank	7/4/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/8/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<10	<10
Field Blank	7/9/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/10/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/19/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/20/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/22/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/23/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/24/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/31/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	0.01	0.01	<1	<1
Field Blank	7/31/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/31/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	7/31/96	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.																
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/3/96	9:40	7.2	3.6	31.24	7.84	3.78	27.30	42,500	4.9		<0.01	0.31	0.31	10	20
2	9/3/96	9:55	5.2	2.6	31.30	7.83	3.72	27.00	42,100	4.6		<0.01	0.53	0.53	30	40
3	9/3/96	10:05	3.9	2.0	31.30	7.82	3.66	26.50	41,400	3.9	*	<0.01	0.50	0.50	20	40
4	9/3/96	10:15	4.9	2.5	31.41	7.86	3.82	26.30	41,100	4.9	*	<0.01	0.49	0.49	50	60
5	9/3/96	10:25	5.6	2.8	31.87	7.62	3.50	19.40	31,300	4.9		0.01	0.69	0.70	120	400
5 Rep	9/3/96	10:30	5.6	2.8	31.88	7.64	3.54	19.40	31,300	4.9		0.01	0.68	0.69	130	200
6	9/3/96	10:40	3.6	1.8	32.13	7.67	3.35	20.90	33,400	3.0		0.01	1.67	1.68	330	600
7	9/3/96	10:50	6.9	3.4	32.37	7.69	3.20	23.70	37,600	2.6		0.01	0.80	0.81	330	1,700
8	9/3/96	11:00	2.6	1.3	32.45	7.53	4.42	10.80	18,600	2.6	*	0.01	0.80	0.81	260	1,200
9	9/3/96	11:10	2.3	1.1	32.12	7.48	4.63	7.50	13,670	2.3	*	0.01	0.81	0.82	500	700
10	9/3/96	11:25	3.9	2.0	33.05	7.56	3.34	17.90	29,200	3.0		0.02	0.94	0.96	1,100	12,000
11	9/3/96	11:40	5.6	2.8	31.80	7.52	4.99	3.50	7,050	3.3		0.04	1.04	1.08	2,000	10,000
12	9/3/96	11:50	3.9	2.0	31.32	7.52	5.24	1.50	3,720	2.6		0.04	0.91	0.95	700	1,000
13	9/3/96	12:00	5.6	2.8	31.22	7.51	5.06	1.10	3,020	2.6		0.05	0.92	0.97	400	800
14	9/3/96	12:15	5.9	3.0	31.90	7.61	5.88		1,470	2.3		0.08	0.86	0.94	2,000	2,000
15	9/3/96	9:30	0.5	0.3	26.04	7.06	3.93		593	0.5	*	0.52	0.72	1.24	10,000	40,000
16	9/3/96	9:41	3.0	1.5	30.13	7.21	4.24		585	2.5		0.17	0.71	0.88	4,000	10,000
17	9/3/96	9:50	3.0	1.5	29.85	7.32	5.91		610	2.5		0.12	0.63	0.75	1,500	1,800
18	9/3/96	9:57	2.0	1.0	29.85	7.34	6.74		582	2.0	*	0.16	0.76	0.92	700	1,200
19	9/3/96	10:07	2.0	1.0	28.86	7.36	5.28		577	2.0	*	0.18	0.58	0.76	100	1,200
20	9/3/96	10:18	2.5	1.3	28.22	7.37	6.03		529	2.5	*	0.20	0.62	0.82	600	800
21	9/3/96	10:25	2.0	1.0	29.28	7.40	6.97		582	2.0	*	0.17	0.51	0.68	400	500
22	9/3/96	10:36	0.5	0.3	28.16	7.72	9.44		378	0.5	*	0.15	0.46	0.61	1,200	2,000
23	9/3/96	10:43	1.5	0.8	26.74	7.28	7.35		470	1.5	*	0.31	0.55	0.86	4,000	6,000
24	9/3/96	10:51	1.5	0.8	27.22	7.17	5.91		473	1.5	*	0.32	0.59	0.91	6,000	8,000
24 Rep	9/3/96	10:52	1.5	0.8	27.22	7.26	5.91		473	1.5	*	0.30	0.62	0.92	10,000	14,000
25	9/3/96	11:00	0.5	0.3	26.72	7.26	6.96		379	0.5	*	0.25	0.42	0.67	700	1,200
26	9/3/96	11:06	0.5	0.3	27.70	7.18	7.56		396	0.5	*	0.24	0.50	0.74	800	800
27	9/3/96	11:13	1.0	0.5	26.55	7.06	5.69		460	1.0	*	0.37	0.86	1.23	240	600
28	9/3/96	10:25	1.5	0.8	26.39	6.80	6.39		460	1.5	*	0.27	0.49	0.76	600	600
28 Rep	9/3/96	10:26	1.5	0.8	36.37	6.83	6.25		461	1.5	*	0.26	0.52	0.78	300	500
29	9/3/96	10:35	0.6	0.3	26.44	7.00	6.82		458	0.6	*	0.26	0.57	0.83	600	800
30	9/3/96	10:45	0.6	0.3	29.81	7.02	6.09		524	0.6	*	0.14	0.67	0.81	600	800
31	9/3/96	10:55	1.4	0.7	30.48	7.03	6.43		551	1.4	*	0.13	0.64	0.77	130	300
32	9/3/96	11:00	1.1	0.5	30.38	7.01	5.91		586	1.1	*	0.13	0.62	0.75	600	1,400
33	9/3/96	11:10	2.2	1.1	29.75	6.95	5.89		584	2.2	*	0.12	0.63	0.75	6,000	13,000
34	9/3/96	11:25	2.2	1.1	29.07	6.98	5.61		578	2.2	*	0.14	0.59	0.73	800	6,000
35	9/3/96	11:35	2.8	1.4	28.31	6.93	5.76		557	2.8	*	0.14	0.57	0.71	300	6,000
36	9/3/96	11:45	2.4	1.2	29.25	7.27	9.81		561	2.4	*	0.16	0.84	1.00	100	7,000
37	9/3/96	11:55	2.8	1.4	28.66	6.98	6.24		556	2.8	*	0.21	0.66	0.87	700	8,000
38	9/3/96	12:10	2.1	1.0	29.58	7.05	7.42		490	2.1	*	0.22	0.49	0.71	900	80,000
39	9/3/96	12:20	0.6	0.3	31.81	7.20	8.29		572	0.6	*	0.18	0.71	0.89	160	9,000
40	9/3/96	12:30	0.4	0.2	30.82	7.19	7.60		606	0.4	*	0.13	0.65	0.78	200	13,000
40 Rep	9/3/96	12:31	0.4	0.2	30.82	7.19	7.60		606	0.4	*	0.14	0.66	0.80	200	10,000
Field Blank	9/3/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/3/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/3/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/3/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/3/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/3/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/4/96	10:55	6.9	3.4	30.92	8.14	4.73	28.20	43,600	5.2		0.02	0.50	0.52	20	40
1 Rep	9/4/96	11:00	6.9	3.4	30.91	8.15	4.79	28.20	43,700	5.2		0.02	0.50	0.52	10	40
2	9/4/96	11:15	4.6	2.3	31.06	8.07	4.32	27.30	42,300	4.6	*	0.01	0.36	0.37	10	20
3	9/4/96	11:25	3.9	2.0	31.25	8.03	4.35	26.10	40,800	3.9	*	0.03	0.54	0.57	150	220
4	9/4/96	11:35	3.9	2.0	31.21	8.07	4.41	26.50	41,400	3.9	*	0.04	0.48	0.52	20	40
5	9/4/96	11:45	4.9	2.5	31.93	7.87	4.09	19.70	31,900	4.9	*	0.02	0.68	0.70	150	200
6	9/4/96	11:55	4.3	2.1	32.32	7.91	4.01	21.00	34,100	3.0		0.03	0.78	0.81	480	500
7	9/4/96	12:05	3.9	2.0	32.48	7.89	4.80	17.80	29,100	3.0		0.02	0.94	0.96	400	2,000
8	9/4/96	12:15	2.3	1.1	32.85	7.79	5.57	10.90	18,600	2.3	*	0.02	0.79	0.81	800	1,600
9	9/4/96	12:25	2.3	1.1	32.73	7.75	5.43	9.90	17,300	2.3	*	0.06	0.93	0.99	350	800
10	9/4/96	12:35	4.3	2.1	33.14	7.76	5.04	10.10	17,800	3.3		0.05	1.06	1.11	1,100	4,000
11	9/4/96	12:45	5.6	2.8	32.44	7.67	5.28	4.30	8,350	3.0		0.08	1.19	1.27	1,000	4,000
12	9/4/96	12:55	4.6	2.3	32.17	7.63	4.57	2.40	5,050	3.0		0.08	1.04	1.12	500	3,000
13	9/4/96	13:05	3.9	2.0	31.82	7.63	4.51	1.40	3,550	2.6		0.11	1.02	1.13	1,500	1,900
14	9/4/96	13:20	7.5	3.8	32.36	7.68	4.96	1.00	2,710	2.0		0.13	0.97	1.10	3,000	4,000
14 Rep	9/4/96	13:25	7.5	3.8	32.36	7.68	4.95	1.00	2,711	2.0		0.11	0.96	1.07	3,000	5,000
15	9/4/96	10:50	0.5	0.3	25.90	6.28	5.21		585	0.5	*	0.52	0.83	1.35	130,000	900,000
16	9/4/96	10:58	3.5	1.8	29.87	7.44	5.15		610	2.8		0.10	0.76	0.86	1,000	15,000
17	9/4/96	11:04	3.5	1.8	30.36	7.48	6.07		582	2.0		0.13	0.77	0.90	500	1,000
18	9/4/96	11:12	3.0	1.5	30.11	7.47	5.00		577	2.0		0.16	0.79	0.95	300	3,000
19	9/4/96	11:22	2.5	1.3	28.79	7.48	5.08		529	2.5	*	0.17	0.68	0.85	3,000	5,000
20	9/4/96	11:33	2.5	1.3	28.61	7.49	6.06		582	2.5	*	0.14	0.60	0.74	300	600
21	9/4/96	11:41	2.0	1.0	29.65	7.54	6.32		378	2.0	*	0.12	0.56	0.68	500	6,000
22	9/4/96	11:54	0.5	0.3	30.70	8.19	8.36		470	0.5	*	0.13	0.68	0.81	900	1,000
23	9/4/96	12:02	0.5	0.3	27.24	7.49	7.12		473	0.5	*	0.27	0.44	0.71	3,000	3,000
24	9/4/96	12:10	0.5	0.3	28.12	7.43	7.14		473	0.5	*	0.27	0.39	0.66	3,000	5,000
25	9/4/96	12:18	0.5	0.3	27.37	7.47	7.21		379	0.5	*	0.23	0.28	0.51	300	5,000
26	9/4/96	12:24	0.5	0.3	29.58	7.40	7.92		396	0.5	*	0.21	0.38	0.59	700	1,500
27	9/4/96	12:31	1.5	0.8	26.99	7.23	7.07		460	1.5	*	0.18	0.33	0.51	250	400
24 Rep	9/4/96	12:11	0.5	0.3	28.12	7.43	7.14		473	0.5	*	0.27	0.40	0.67	2,800	6,000
28	9/4/96	11:00	2.3	1.2	26.41	6.75	6.23		481	2.3	*	0.22	0.38	0.60	1,700	1,800
28 Rep	9/4/96	11:01	2.2	1.1	26.37	6.80	6.09		478	2.2	*	0.25	0.36	0.61	1,200	2,000
29	9/4/96	11:05	0.4	0.2	26.42	7.02	6.73		464	0.4	*	0.25	0.44	0.69	1,300	5,000
30	9/4/96	11:10	0.6	0.3	29.56	7.10	6.19		587	0.6	*	0.13	0.89	1.02	600	2,000
31	9/4/96	11:20	1.4	0.7	30.32	7.11	6.58		564	1.4	*	0.10	0.81	0.91	50	2,000
32	9/4/96	11:30	1.1	0.6	30.22	7.07	5.80		570	1.1	*	0.12	0.70	0.82	1,700	21,000
33	9/4/96	11:40	2.0	1.0	29.70	7.04	6.12		585	2.0	*	0.10	0.80	0.90	800	15,000
34	9/4/96	11:50	1.9	1.0	29.04	7.03	5.98		580	1.9	*	0.11	0.58	0.69	360	4,000
35	9/4/96	12:00	2.6	1.3	27.96	7.02	6.02		560	2.6	*	0.12	1.00	1.12	300	4,000
36	9/4/96	12:10	2.5	1.2	29.08	7.34	10.15		553	2.5	*	0.12	0.69	0.81	1,300	9,000
37	9/4/96	12:15	1.7	0.8	28.72	7.02	6.18		541	1.7	*	0.16	0.70	0.86	1,100	5,000
38	9/4/96	12:30	1.5	0.8	29.43	7.19	7.49		533	1.5	*	0.19	0.58	0.77	1,600	4,000
39	9/4/96	12:40	2.3	1.1	32.13	7.28	8.62		578	2.3	*	0.15	0.73	0.88	2,000	7,000
40	9/4/96	12:50	0.4	0.2	30.62	7.21	7.61		561	0.4	*	0.14	0.73	0.87	3,000	3,000
Field Blank	9/4/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/4/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/4/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/4/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/4/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/4/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.																
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/5/96	12:10	6.9	3.4	30.61	8.03	4.93	28.80	44,600	4.6		0.01	0.46	0.47	<10	20
2	9/5/96	12:20	6.6	3.3	30.78	7.99	4.34	28.00	43,500	4.3		0.02	0.44	0.46	10	10
2 Rep	9/5/96	12:25	6.6	3.3	30.80	8.01	4.33	28.10	43,600	4.3		0.02	0.45	0.47	20	20
3	9/5/96	12:35	3.6	1.8	31.34	7.99	4.66	26.90	42,000	3.6	*	0.02	0.73	0.75	50	60
4	9/5/96	12:45	4.6	2.3	31.16	8.01	4.80	28.10	43,500	4.6	*	0.02	1.11	1.13	30	30
5	9/5/96	12:55	6.9	3.4	32.19	7.82	4.29	21.00	33,600	4.9		0.02	0.83	0.85	130	170
6	9/5/96	13:10	4.6	2.3	31.53	7.87	3.65	25.70	40,300	3.6		0.01	0.85	0.86	210	500
7	9/5/96	13:20	5.2	2.6	32.07	7.85	4.94	20.80	32,800	2.6		0.01	0.87	0.88	500	800
8	9/5/96	13:30	2.3	1.1	33.21	7.74	5.59	12.70	21,500	2.3	*	0.03	1.09	1.12	900	1,500
9	9/5/96	13:40	2.6	1.3	33.01	7.60	5.46	9.70	17,100	2.6	*	0.04	0.95	0.99	600	800
10	9/5/96	13:50	5.2	2.6	33.01	7.59	5.05	12.20	21,100	2.6		0.07	0.84	0.91	1,100	1,600
11	9/5/96	14:00	5.2	2.6	32.88	7.53	5.09	5.50	10,330	2.6		0.08	1.08	1.16	600	5,000
12	9/5/96	14:10	2.3	1.1	32.75	7.50	4.66	3.30	6,710	2.3	*	0.09	1.01	1.10	700	4,000
13	9/5/96	14:20	5.6	2.8	32.44	7.51	4.41	2.30	5,060	2.6		0.09	1.24	1.33	1,300	6,000
14	9/5/96	14:35	7.2	3.6	32.42	7.57	4.89	1.30	3,340	2.3		0.10	1.29	1.39	13,000	30,000
15	9/5/96	12:20	0.5	0.3	27.01	6.97	8.60		511	0.5	*	0.51	0.98	1.49	14,000	21,000
16	9/5/96	12:35	3.5	1.8	31.30	7.33	5.71		626	2.8		0.12	0.65	0.77	1,800	5,000
17	9/5/96	12:45	3.5	1.8	30.99	7.50	6.57		584	2.5		0.13	1.07	1.20	60,000	70,000
18	9/5/96	12:53	3.0	1.5	30.40	7.44	5.80		571	2.5		0.15	0.72	0.87	6,000	8,000
19	9/5/96	13:03	2.5	1.3	29.08	7.48	5.26		541	2.5	*	0.18	0.69	0.87	300	500
20	9/5/96	13:15	2.0	1.0	29.44	7.45	6.26		509	2.0	*	0.24	0.77	1.01	10,000	12,000
21	9/5/96	13:23	2.0	1.0	30.42	7.49	7.09		544	2.0	*	0.14	0.66	0.80	2,000	2,700
22	9/5/96	13:35	0.5	0.3	30.39	7.69	8.41		339	0.5	*	0.09	0.64	0.73	10,000	30,000
23	9/5/96	13:43	2.0	1.0	29.36	7.35	7.42		401	2.0	*	0.37	0.60	0.97	30,000	50,000
24	9/5/96	13:51	2.0	1.0	29.65	7.27	7.17		363	2.0	*	0.40	0.66	1.06	100,000	160,000
25	9/5/96	14:01	2.0	1.0	29.42	7.39	8.33		366	2.0	*	0.38	0.53	0.91	40,000	80,000
26	9/5/96	14:08	1.0	0.5	30.97	7.31	7.55		329	1.0	*	0.38	0.73	1.11	60,000	60,000
27	9/5/96	14:17	2.0	1.0	28.16	7.17	7.76		393	2.0	*	0.44	0.57	1.01	600	7,000
24 Rep	9/5/96	13:52	2.0	1.0	29.65	7.27	7.17		363	2.0	*	0.40	0.73	1.13	120,000	160,000
28	9/5/96	12:20	2.0	1.0	28.17	6.73	6.33		469	2.0	*	0.31	0.67	0.98	8,000	30,000
28 Rep	9/5/96	12:21	2.0	1.0	28.18	6.76	6.27		464	2.0	*	0.32	0.69	1.01	4,400	11,000
29	9/5/96	12:40	0.5	0.2	28.14	6.86	6.23		418	0.5	*	0.23	0.84	1.07	50,000	58,000
30	9/5/96	12:50	0.7	0.4	30.00	7.08	6.02		573	0.7	*	0.15	0.75	0.90	3,000	4,000
31	9/5/96	13:00	1.4	0.7	30.67	7.11	6.63		580	1.4	*	0.11	0.69	0.80	300	420
32	9/5/96	13:10	1.5	0.8	30.27	7.11	6.38		583	1.5	*	0.15	0.70	0.85	200	700
33	9/5/96	13:20	2.4	1.2	29.66	7.06	6.05		582	2.4	*	0.12	0.69	0.81	5,000	12,000
34	9/5/96	13:30	2.0	1.0	29.03	7.15	6.37		556	2.0	*	0.15	0.68	0.83	30,000	45,000
35	9/5/96	13:40	2.4	1.2	28.69	7.13	6.90		524	2.4	*	0.19	0.75	0.94	10,000	60,000
36	9/5/96	13:50	2.5	1.2	30.33	7.46	10.25		504	2.5	*	0.17	0.62	0.79	60,000	60,000
37	9/5/96	14:00	2.3	1.2	30.16	7.22	7.75		534	2.3	*	0.19	0.60	0.79	20,000	40,000
38	9/5/96	14:20	0.8	0.4	30.40	7.15	7.33		500	0.8	*	0.21	0.53	0.74	40,000	68,000
39	9/5/96	14:30	0.8	0.4	33.39	7.44	9.41		583	0.8	*	0.14	0.62	0.76	3,000	3,800
40	9/5/96	14:45	0.5	0.3	31.41	7.35	8.27		597	0.5	*	0.16	0.70	0.86	2,400	3,000
40 Rep	9/5/96	14:46	0.5	0.3	31.40	7.33	8.25		597	0.5	*	0.18	0.70	0.88	2,300	2,800
Field Blank	9/5/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/5/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/5/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/5/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/5/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/5/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.																
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/6/96	13:25	7.2	3.6	30.98	7.98	4.76	28.70	44,300	4.6		<0.01	0.46	0.46	<10	20
2	9/6/96	13:35	4.6	2.3	31.30	7.98	4.51	27.90	43,200	4.6	*	0.04	0.54	0.58	<10	10
3	9/6/96	13:45	4.3	2.1	31.78	7.97	4.88	27.30	42,300	4.3	*	0.04	0.51	0.55	10	10
4	9/6/96	14:00	3.9	2.0	31.65	8.01	5.13	27.90	43,300	3.9	*	0.04	0.51	0.55	10	10
5	9/6/96	14:10	3.9	2.0	32.60	7.85	4.98	21.00	33,600	3.9	*	0.04	0.66	0.70	90	150
5 Rep	9/6/96	14:15	3.9	2.0	32.61	7.86	5.08	20.90	33,500	3.9	*	0.05	0.68	0.73	110	200
6	9/6/96	14:20	3.9	2.0	32.01	7.88	4.94	22.20	36,700	2.6		0.04	0.77	0.81	500	800
7	9/6/96	14:35	4.6	2.3	32.79	7.93	5.80	18.80	31,300	3.0		0.03	0.87	0.90	1,300	1,800
8	9/6/96	14:50	2.3	1.1	33.49	7.76	6.59	9.60	16,800	2.3	*	0.10	1.17	1.27	3,000	3,000
9	9/6/96	15:00	2.3	1.1	33.26	7.71	6.28	9.20	16,400	2.3	*	0.09	0.89	0.98	700	2,000
10	9/6/96	15:10	3.9	2.0	33.27	7.66	5.98	10.80	19,100	2.6		0.13	0.94	1.07	700	3,000
11	9/6/96	15:20	4.6	2.3	32.92	7.49	5.39	7.90	13,620	2.6		0.12	1.01	1.13	1,000	1,100
12	9/6/96	15:30	4.3	2.1	32.97	7.53	5.37	2.80	5,920	2.0		0.14	1.26	1.40	1,200	1,500
13	9/6/96	15:40	5.6	2.8	32.91	7.55	5.18	2.30	5,000	2.3		0.14	1.23	1.37	1,000	3,000
14	9/6/96	15:50	5.6	2.8	33.20	7.57	5.38	2.00	4,440	2.6		0.14	1.07	1.21	1,000	2,000
14 Rep	9/6/96	15:55	5.6	2.8	33.20	7.57	5.37	2.00	4,440	2.6		0.15	1.05	1.20	1,000	2,000
15	9/6/96	13:20	0.5	0.3	27.87	7.03	6.85		512	0.5	*	0.61	0.62	1.23	4,000	18,000
16	9/6/96	13:27	3.5	1.8	31.60	7.34	5.35		613	2.9		0.12	1.10	1.22	800	6,000
17	9/6/96	13:38	3.0	1.5	31.64	7.43	6.05		552	2.5		0.17	1.32	1.49	1,700	1,900
18	9/6/96	13:48	3.0	1.5	30.72	7.36	5.85		527	3.0	*	0.16	0.77	0.93	100	800
19	9/6/96	13:57	3.0	1.5	30.13	7.40	6.12		514	3.0	*	0.11	0.70	0.81	220	600
20	9/6/96	14:10	3.0	1.5	30.09	7.41	5.01		523	3.0	*	0.14	0.79	0.93	100	400
21	9/6/96	14:18	2.5	1.3	31.17	7.49	7.21		554	2.5	*	0.15	0.76	0.91	110	200
22	9/6/96	14:31	0.5	0.3	31.61	7.64	8.26		364	0.5	*	0.14	1.01	1.15	1,400	3,000
23	9/6/96	14:44	2.0	1.0	31.31	7.42	7.31		492	2.0	*	0.23	1.20	1.43	1,100	4,000
24	9/6/96	14:52	2.0	1.0	30.76	7.23	7.05		392	2.0	*	0.23	0.70	0.93	1,200	8,000
25	9/6/96	15:06	1.5	0.8	30.44	7.33	8.08		388	1.5	*	0.26	0.47	0.73	2,000	6,000
26	9/6/96	15:12	0.5	0.3	31.95	7.29	7.40		349	0.5	*	0.20	0.48	0.68	600	3,000
27	9/6/96	15:20	2.0	1.0	29.41	7.15	7.58		408	2.0	*	0.36	0.57	0.93	3,500	7,000
24 Rep	9/6/96	14:53	2.0	1.0	30.76	7.23	7.05		392	2.0	*	0.23	0.68	0.91	800	8,000
28	9/6/96	13:25	2.6	1.3	28.88	6.83	6.44		446	2.6	*	0.20	0.49	0.69	4,000	4,000
28 Rep	9/6/96	13:26	1.8	0.9	28.87	6.77	6.42		452	1.8	*	0.20	0.54	0.74	6,000	6,400
29	9/6/96	13:35	0.7	0.4	29.26	7.02	7.15		437	0.7	*	0.21	0.61	0.82	2,000	3,000
30	9/6/96	13:45	0.9	0.4	30.77	7.03	5.96		571	0.9	*	0.16	0.67	0.83	1,000	3,000
31	9/6/96	13:55	2.0	1.0	31.42	7.06	6.54		559	2.0	*	0.13	0.74	0.87	60	600
32	9/6/96	14:05	1.4	0.7	31.54	7.10	6.61		571	1.4	*	0.14	0.73	0.87	2,000	2,600
33	9/6/96	14:15	2.7	1.3	30.48	7.08	6.56		568	2.7	*	0.10	0.92	1.02	800	1,500
34	9/6/96	14:25	2.4	1.2	29.96	7.07	6.44		581	2.4	*	0.13	1.68	1.81	400	6,000
35	9/6/96	14:35	2.5	1.3	29.24	7.18	6.85		519	2.5	*	0.12	0.80	0.92	3,400	8,000
36	9/6/96	14:40	2.4	1.2	30.83	7.48	10.10		502	2.4	*	0.12	0.68	0.80	640	1,100
37	9/6/96	14:45	0.8	0.4	30.76	7.29	7.67		525	0.8	*	0.17	0.79	0.96	1,100	1,700
38	9/6/96	14:55	0.9	0.4	30.62	7.21	7.30		500	0.9	*	0.19	0.78	0.97	8,000	16,000
39	9/6/96	15:00	0.6	0.3	33.77	7.44	9.32		572	0.6	*	0.14	0.69	0.83	700	1,000
40	9/6/96	15:05	0.6	0.3	31.81	7.37	8.19		582	0.6	*	0.15	0.74	0.89	1,600	2,000
Field Blank	9/6/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/6/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/6/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/6/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/6/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/6/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/13/96	6:10	7.2	3.6	29.33	8.35	4.53	26.60	41,500	4.6		0.01	0.61	0.62	30	40
2	9/13/96	6:25	4.6	2.3	29.06	8.32	3.97	25.40	39,800	4.6	*	<0.01	0.63	0.63	60	140
3	9/13/96	6:40	3.6	1.8	28.90	8.28	3.70	23.80	37,700	3.6	*	0.01	0.62	0.63	80	200
4	9/13/96	6:55	4.6	2.3	29.00	8.34	3.83	25.60	40,100	4.6	*	<0.01	0.62	0.62	70	100
4 Rep	9/13/96	7:00	4.6	2.3	29.00	8.34	3.83	25.60	40,100	4.6	*	<0.01	0.60	0.60	40	140
5	9/13/96	7:10	4.6	2.3	28.56	7.98	3.26	14.30	23,900	4.6	*	0.01	0.83	0.84	400	400
6	9/13/96	7:20	4.3	2.1	28.51	8.01	4.06	10.80	18,600	3.9		0.08	0.97	1.05	2,000	2,000
7	9/13/96	7:30	7.5	3.8	29.60	8.20	3.04	23.50	37,200	3.6		0.10	0.97	1.07	900	1,800
8	9/13/96	7:40	2.0	1.0	28.16	7.79	3.48	5.10	9,660	2.0	*	0.09	0.92	1.01	600	3,000
9	9/13/96	7:45	2.3	1.1	27.99	7.77	3.71	3.50	6,950	2.3	*	0.12	0.97	1.09	80	5,000
10	9/13/96	7:55	4.6	2.3	27.94	7.79	3.48	1.60	3,850	3.3		0.14	1.14	1.28	60	5,000
11	9/13/96	8:05	5.6	2.8	27.78	7.82	3.92	0.40	1,780	3.0		0.16	0.93	1.09	700	6,000
12	9/13/96	8:15	3.9	2.0	28.13	7.74	3.48	1.60	3,770	3.0		0.18	0.38	0.56	50	4,000
13	9/13/96	8:25	5.6	2.8	27.61	7.82	4.17		489	3.0		0.19	0.53	0.72	200	4,000
14	9/13/96	8:40	6.6	3.3	27.60	7.79	4.09		484	2.6		0.19	0.58	0.77	700	7,000
15	9/13/96	7:10	0.5	0.3	26.02	7.15	3.87		493	0.5	*	0.62	0.85	1.47	10,000	60,000
16	9/13/96	7:25	2.0	1.0	27.25	7.17	3.49		494	2.0	*	0.21	0.58	0.79	900	5,000
17	9/13/96	7:40	3.5	1.8	27.13	7.20	3.05		497	3.5	*	0.23	0.58	0.81	100	6,000
18	9/13/96	7:50	2.5	1.3	26.96	7.20	3.05		496	2.5	*	0.24	0.97	1.21	1,000	1,500
19	9/13/96	8:00	1.5	0.8	26.73	7.27	4.23		450	1.5	*	0.23	0.64	0.87	500	3,000
20	9/13/96	8:20	3.0	1.5	26.42	7.26	5.67		493	3.0	*	0.27	1.13	1.40	800	1,300
21	9/13/96	8:30	3.5	1.8	26.41	7.25	5.89		521	3.5	*	0.26	0.72	0.98	3,000	4,000
22	9/13/96	8:40	0.5	0.3	25.83	7.36	6.27		315	0.5	*	0.10	1.76	1.86	3,000	3,000
23	9/13/96	8:50	2.3	1.2	25.61	7.07	4.65		393	2.3	*	0.25	0.28	0.53	200	6,000
24	9/13/96	9:00	2.0	1.0	25.18	7.06	4.47		402	2.0	*	0.24	0.36	0.60	600	7,000
25	9/13/96	9:10	2.5	1.3	25.16	7.08	4.84		378	2.5	*	0.16	0.25	0.41	600	3,000
26	9/13/96	9:15	1.0	0.5	25.24	6.96	5.43		304	1.0	*	0.31	0.76	1.07	60	4,000
27	9/13/96	9:25	2.5	1.3	25.14	6.99	6.23		444	2.5	*	0.16	0.80	0.96	400	1,200
19 Rep	9/13/96	8:01	1.5	0.8	26.75	7.30	4.12		452	1.5	*	0.22	0.87	1.09	1,000	2,000
28	9/13/96	6:49	1.7	0.9	25.36	6.79	4.89		400	1.7	*	0.21	0.48	0.69	200	1,600
28 Rep	9/13/96	6:50	1.7	0.9	25.37	6.82	4.81		396	1.7	*	0.24	0.41	0.65	200	2,000
29	9/13/96	6:59	0.6	0.3	25.41	6.93	5.29		380	0.6	*	0.14	0.46	0.60	1,400	1,600
30	9/13/96	7:09	0.9	0.4	26.68	6.95	4.92		502	0.9	*	0.17	0.46	0.63	400	3,000
31	9/13/96	7:19	1.0	0.5	26.61	6.94	5.02		523	1.0	*	0.20	0.40	0.60	700	3,000
32	9/13/96	7:29	1.6	0.8	26.58	6.95	5.03		512	1.6	*	0.16	0.41	0.57	2,000	3,000
33	9/13/96	7:39	2.8	1.4	26.52	6.92	5.01		520	2.8	*	0.19	0.49	0.68	2,000	3,000
34	9/13/96	7:49	2.6	1.3	26.39	6.96	5.86		506	2.6	*	0.20	0.57	0.77	3,000	5,000
35	9/13/96	7:59	3.0	1.5	26.29	6.91	5.13		522	3.0	*	0.23	0.31	0.54	6,000	6,000
36	9/13/96	8:09	2.5	1.3	26.18	6.97	5.24		526	2.5	*	0.33	0.51	0.84	4,000	4,000
37	9/13/96	8:19	2.9	1.5	26.27	6.91	4.76		516	2.9	*	0.31	0.51	0.82	600	8,000
38	9/13/96	8:29	2.0	1.0	26.11	6.86	3.78		536	2.0	*	0.43	0.35	0.78	600	20,000
39	9/13/96	8:39	1.0	0.5	26.43	6.94	5.45		530	1.0	*	0.15	0.41	0.56	1,000	2,000
40	9/13/96	8:49	0.9	0.4	26.53	6.92	5.23		534	0.9	*	0.20	0.72	0.92	500	800
40 Rep	9/13/96	8:50	0.9	0.4	26.53	6.93	5.25		535	0.9	*	0.21	0.71	0.92	800	1,000
Field Blank	9/13/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/13/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/13/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/13/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/13/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/13/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/14/96	6:35	7.2	3.6	29.59	8.08	4.63	26.60	41,400	4.9		<0.01	0.60	0.60	<10	100
2	9/14/96	6:50	4.9	2.5	29.49	8.07	4.29	26.10	40,800	4.9	*	<0.01	0.46	0.46	10	200
3	9/14/96	7:00	3.3	1.6	29.12	8.02	3.75	25.30	39,600	3.3	*	<0.01	0.34	0.34	<10	20
4	9/14/96	7:10	4.9	2.5	29.36	8.07	4.12	25.40	40,200	4.9	*	<0.01	0.32	0.32	<10	200
5	9/14/96	7:20	4.3	2.1	29.10	7.86	4.18	17.00	27,800	4.3	*	0.02	0.42	0.44	400	800
6	9/14/96	7:30	4.3	2.1	28.71	7.88	5.27	13.10	22,200	4.3	*	0.04	0.42	0.46	<10	400
7	9/14/96	7:40	8.2	4.1	29.58	7.97	4.72	15.70	26,000	4.9		0.03	0.77	0.80	600	800
8	9/14/96	7:55	2.0	1.0	28.76	7.57	4.42	7.60	14,370	2.0	*	0.08	0.93	1.01	400	1,000
9	9/14/96	8:05	2.3	1.1	28.47	7.53	4.36	4.80	9,240	2.3	*	0.11	0.62	0.73	600	1,400
10	9/14/96	8:15	3.9	2.0	28.55	7.52	4.21	3.70	7,480	3.9	*	0.14	0.62	0.76	1,000	1,200
11	9/14/96	8:25	4.6	2.3	28.36	7.52	4.42	1.80	4,130	3.3		0.15	0.82	0.97	200	1,500
12	9/14/96	8:35	4.3	2.1	28.40	7.55	4.73		1,860	3.3		0.17	0.78	0.95	600	1,600
12 Rep	9/14/96	8:40	4.3	2.1	28.41	7.57	4.69		1,740	3.3		0.18	0.76	0.94	600	3,000
13	9/14/96	8:45	5.2	2.6	28.28	7.60	4.81		731	3.0		0.18	0.70	0.88	300	3,000
14	9/14/96	9:00	6.6	3.3	28.24	7.58	4.76		534	2.6		0.17	0.64	0.81	200	2,000
15	9/14/96	7:10	0.4	0.2	25.33	7.18	3.32		515	0.4	*	0.29	0.91	1.20	10,000	12,000
16	9/14/96	7:25	2.5	1.3	27.57	7.26	2.95		520	2.5	*	0.13	0.63	0.76	1,100	3,000
17	9/14/96	7:35	3.0	1.5	27.59	7.34	3.34		535	3.0	*	0.18	0.68	0.86	2,000	2,300
18	9/14/96	7:45	2.7	1.4	27.21	7.34	3.35		529	2.7	*	0.20	0.66	0.86	400	1,400
19	9/14/96	8:00	3.2	1.6	26.92	7.40	3.17		523	3.2	*	0.22	0.75	0.97	700	4,000
20	9/14/96	8:10	2.2	1.1	26.85	7.41	4.03		526	2.2	*	0.23	0.65	0.88	2,000	4,000
21	9/14/96	8:20	2.5	1.3	27.02	7.41	4.05		557	2.5	*	0.23	0.64	0.87	1,000	1,800
22	9/14/96	8:35	0.4	0.2	25.01	7.55	5.65		354	0.4	*	0.22	0.80	1.02	900	1,400
23	9/14/96	8:40	1.5	0.8	24.72	7.23	4.36		425	1.5	*	0.22	0.49	0.71	800	4,000
24	9/14/96	8:50	2.5	1.3	24.94	7.21	5.25		383	2.5	*	0.22	0.54	0.76	400	5,000
25	9/14/96	8:55	1.5	0.8	24.90	7.23	5.31		391	1.5	*	0.15	0.53	0.68	3,000	6,000
26	9/14/96	9:00	0.4	0.2	24.88	7.13	4.69		329	0.4	*	0.30	0.49	0.79	800	5,000
27	9/14/96	9:10	1.7	0.9	24.83	7.10	4.50		451	1.7	*	0.21	0.43	0.64	600	4,000
21 Rep	9/14/96	8:21	2.5	1.3	27.01	7.41	3.95		556	2.5	*	0.24	0.68	0.92	1,000	1,300
28	9/14/96	6:40	2.1	1.0	25.06	6.76	5.20		418	2.1	*	0.21	0.46	0.67	1,000	8,000
28 Rep	9/14/96	6:41	2.1	1.0	25.06	6.80	5.17		422	2.1	*	0.20	0.54	0.74	1,200	4,000
29	9/14/96	6:55	0.7	0.4	25.13	6.87	5.70		412	0.7	*	0.23	0.48	0.71	1,000	6,000
30	9/14/96	7:15	0.8	0.4	27.35	6.92	5.19		555	0.8	*	0.20	0.78	0.98	400	1,600
31	9/14/96	7:30	0.8	0.4	27.11	6.94	5.24		551	0.8	*	0.19	0.80	0.99	400	1,600
32	9/14/96	7:40	0.7	0.4	26.89	6.93	5.34		556	0.7	*	0.20	0.74	0.94	600	3,000
33	9/14/96	7:45	2.4	1.2	26.72	6.91	5.22		555	2.4	*	0.20	0.78	0.98	2,000	6,000
34	9/14/96	7:55	2.8	1.4	26.47	6.90	5.27		557	2.8	*	0.21	0.78	0.99	3,000	3,000
35	9/14/96	8:00	2.8	1.4	26.18	6.90	5.12		546	2.8	*	0.22	0.81	1.03	1,300	6,000
36	9/14/96	8:05	2.4	1.2	26.05	6.92	5.48		547	2.4	*	0.23	0.93	1.16	1,100	7,000
37	9/14/96	8:20	2.5	1.3	26.20	6.90	4.56		550	2.5	*	0.31	0.76	1.07	1,500	6,000
38	9/14/96	8:40	1.1	0.5	26.19	6.83	3.94		524	1.1	*	0.19	0.46	0.65	2,000	13,000
39	9/14/96	8:50	0.9	0.5	26.40	6.94	5.71		564	0.9	*	0.17	0.77	0.94	2,000	3,000
40	9/14/96	8:55	0.9	0.4	26.44	6.92	5.37		558	0.9	*	0.12	0.86	0.98	400	3,000
40 Rep	9/14/96	8:56	0.9	0.4	26.45	6.92	5.36		559	0.9	*	0.12	0.84	0.96	600	2,800
Field Blank	9/14/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/14/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/14/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/14/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/14/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/14/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.																
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/15/96	5:40	7.5	3.8	29.44	8.08	5.24	27.50	42,700	5.9		<0.01	0.58	0.58	<10	<10
1 Rep	9/15/96	5:45	7.5	3.8	29.41	8.08	5.24	27.50	42,800	5.9		<0.01	0.63	0.63	<10	<10
2	9/15/96	5:50	4.9	2.5	29.96	8.03	4.46	26.80	41,800	4.9	*	0.01	0.73	0.74	10	10
3	9/15/96	6:00	3.9	2.0	29.77	7.99	4.02	26.60	41,500	3.9	*	<0.01	0.60	0.60	10	20
4	9/15/96	6:10	4.9	2.5	29.92	8.01	4.23	26.40	41,300	4.9	*	<0.01	0.64	0.64	<10	200
5	9/15/96	6:20	9.2	4.6	29.75	7.90	4.30	21.20	33,900	6.6		0.01	0.69	0.70	90	200
6	9/15/96	6:30	4.3	2.1	30.13	7.94	4.68	20.20	32,000	4.3	*	0.03	0.77	0.80	250	300
7	9/15/96	6:35	7.2	3.6	30.32	7.93	3.61	25.00	39,300	4.9		0.08	0.77	0.85	200	400
8	9/15/96	6:45	2.3	1.1	29.72	7.85	5.84	11.80	20,100	2.3	*	0.11	0.85	0.96	2,000	2,500
9	9/15/96	6:55	2.3	1.1	29.50	7.75	5.78	9.30	16,200	2.3	*	0.14	0.89	1.03	160	600
10	9/15/96	7:05	5.6	2.8	30.38	7.77	5.29	12.70	21,300	4.3		0.17	0.77	0.94	200	800
11	9/15/96	7:15	5.9	3.0	29.51	7.54	4.97	5.90	11,050	4.3		0.17	0.96	1.13	220	3,000
12	9/15/96	7:25	5.6	2.8	28.95	7.53	5.06	2.10	4,650	4.3		0.18	0.92	1.10	500	800
13	9/15/96	7:35	5.9	3.0	28.75	7.56	5.29		1,940	4.3		0.18	0.87	1.05	900	5,000
14	9/15/96	7:45	7.2	3.6	28.53	7.58	5.43		849	3.6		0.18	0.67	0.85	600	3,000
14 Rep	9/15/96	7:50	7.2	3.6	28.52	7.58	5.41		850	3.6		0.16	0.66	0.82	800	2,600
15	9/15/96	7:25	0.3	0.2	25.46	7.18	3.24		526	0.3	*	0.19	1.49	1.68	20,000	80,000
16	9/15/96	7:30	2.5	1.3	27.74	7.30	2.81		545	2.0		0.20	0.63	0.83	700	6,000
17	9/15/96	7:50	3.0	1.5	27.65	7.39	3.45		558	2.2		0.22	0.70	0.92	700	1,500
18	9/15/96	8:00	2.6	1.3	27.15	7.37	3.50		557	2.6	*	0.22	0.66	0.88	500	1,000
19	9/15/96	8:10	2.8	1.4	26.81	7.43	2.76		545	2.8	*	0.22	0.71	0.93	400	1,200
20	9/15/96	8:20	2.5	1.3	26.66	7.43	3.33		539	2.5	*	0.22	0.64	0.86	900	9,000
21	9/15/96	8:30	2.5	1.3	26.96	7.44	4.39		570	2.5	*	0.23	0.66	0.89	1,900	3,000
22	9/15/96	8:45	0.4	0.2	24.66	7.62	6.45		288	0.4	*	0.15	0.60	0.75	700	2,000
23	9/15/96	8:50	1.5	0.8	24.66	7.26	4.13		281	1.5	*	0.23	0.43	0.66	300	3,000
24	9/15/96	9:00	2.0	1.0	24.83	7.23	4.58		425	2.0	*	0.17	0.42	0.59	120	7,000
25	9/15/96	9:05	1.2	0.6	24.88	7.26	4.66		350	1.2	*	0.22	0.40	0.62	2,000	6,000
26	9/15/96	9:15	0.4	0.2	24.87	7.16	4.67		317	0.4	*	0.22	0.57	0.79	200	6,000
27	9/15/96	9:20	2.0	1.0	24.88	7.12	4.14		445	2.0	*	0.22	0.49	0.71	600	1,300
17 Rep	9/15/96	7:51	3.0	1.5	27.65	7.39	3.25		558	3.0	*	0.20	0.69	0.89	1,200	2,000
28	9/15/96	7:20	1.0	0.5	25.05	6.80	5.48		446	1.0	*	0.23	0.61	0.84	1,300	4,000
28 rep	9/15/96	7:21	1.0	0.5	25.06	6.84	5.36		443	1.0	*	0.23	0.61	0.84	800	2,900
29	9/15/96	7:30	0.4	0.2	25.17	6.91	6.01		431	0.4	*	0.20	0.46	0.66	800	1,300
30	9/15/96	7:40	0.7	0.3	26.27	6.93	5.20		574	0.7	*	0.20	0.75	0.95	1,000	4,000
31	9/15/96	7:50	2.1	1.0	27.10	6.93	5.29		569	2.1	*	0.19	0.74	0.93	500	1,100
32	9/15/96	8:00	1.1	0.6	26.97	6.93	5.56		569	1.1	*	0.19	0.75	0.94	800	1,000
33	9/15/96	8:10	2.4	1.2	26.84	6.91	5.50		567	2.4	*	0.20	0.72	0.92	400	4,000
34	9/15/96	8:20	2.3	1.2	26.47	6.95	5.69		567	2.3	*	0.21	0.74	0.95	400	7,000
35	9/15/96	8:30	2.9	1.5	26.01	6.92	4.50		556	2.9	*	0.20	0.69	0.89	800	3,000
36	9/15/96	8:40	2.2	1.1	25.74	6.91	5.47		565	2.2	*	0.23	0.84	1.07	800	3,000
37	9/15/96	8:50	2.7	1.4	25.70	6.91	5.00		556	2.7	*	0.23	0.67	0.90	800	8,000
38	9/15/96	9:05	1.1	0.6	26.03	6.89	4.43		529	1.1	*	0.20	0.42	0.62	1,200	6,000
39	9/15/96	9:20	0.9	0.4	26.26	6.96	6.27		591	0.9	*	0.17	1.23	1.40	1,000	6,000
40	9/15/96	9:30	0.7	0.3	26.30	6.94	5.63		597	0.7	*	0.20	0.74	0.94	800	800
Field Blank	9/15/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/15/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/15/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/15/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/15/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/15/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/27/96	6:10	7.9	3.9	27.08	7.94	4.84	26.30	41,100	4.9		<0.01	0.51	0.51	10	50
1 Rep	9/27/96	6:15	7.9	3.9	27.07	7.93	4.82	26.30	41,100	4.9		<0.01	0.53	0.53	<10	40
2	9/27/96	6:25	3.9	2.0	27.05	7.94	4.69	26.20	41,000	3.9	*	<0.01	0.54	0.54	100	180
3	9/27/96	6:35	4.6	2.3	26.86	7.89	4.27	26.10	40,800	4.6	*	<0.01	0.56	0.56	10	110
4	9/27/96	6:45	3.9	2.0	26.95	7.96	4.48	26.50	41,400	3.9	*	<0.01	0.54	0.54	20	70
5	9/27/96	6:55	8.9	4.4	26.92	7.68	3.95	18.20	29,600	6.6		0.01	0.58	0.59	250	300
6	9/27/96	7:05	3.9	2.0	27.11	7.73	4.25	16.90	27,700	3.9	*	0.02	0.58	0.60	240	500
7	9/27/96	7:15	3.6	1.8	27.23	7.57	4.40	12.90	21,800	3.6	*	0.03	0.58	0.61	800	3,000
8	9/27/96	7:30	2.0	1.0	26.98	7.46	4.21	9.30	16,500	2.0	*	0.04	0.61	0.65	500	8,000
9	9/27/96	7:40	2.3	1.1	27.07	7.42	4.17	7.00	12,900	2.3	*	0.02	0.50	0.52	400	7,000
10	9/27/96	7:50	4.9	2.5	28.03	7.52	3.55	14.10	23,700	3.9		0.08	0.63	0.71	800	6,000
11	9/27/96	8:00	4.9	2.5	26.74	7.40	4.25	2.90	6,000	3.6		0.09	0.65	0.74	400	6,000
12	9/27/96	8:10	3.9	2.0	26.71	7.40	4.41	1.40	3,490	3.3		0.10	0.67	0.77	600	3,000
13	9/27/96	8:20	5.2	2.6	26.63	7.41	4.32		2,200	3.3		0.12	0.65	0.77	200	5,000
14	9/27/96	8:35	6.6	3.3	26.47	7.43	4.23		1,175	2.6		0.10	0.65	0.75	500	1,700
15	9/27/96	6:15	1.5	0.8	25.07	7.13	6.08		499	1.5	*	0.20	0.62	0.82	12,000	20,000
16	9/27/96	7:10	3.2	1.6	26.04	7.25	5.45		563	3.2	*	0.10	0.54	0.64	1,000	2,000
17	9/27/96	7:25	4.0	2.0	26.04	7.27	5.42		553	2.5		0.17	0.56	0.73	800	2,000
18	9/27/96	7:40	2.5	1.3	25.90	7.26	5.16		546	2.5	*	0.14	0.55	0.69	200	600
19	9/27/96	7:50	2.2	1.1	25.51	7.33	5.13		520	2.2	*	0.14	0.54	0.68	500	1,800
20	9/27/96	8:10	2.5	1.3	25.53	7.36	5.45		545	2.5	*	0.15	0.54	0.69	1,000	1,800
21	9/27/96	8:15	2.4	1.2	25.64	7.37	5.72		562	2.4	*	0.14	0.54	0.68	900	6,000
22	9/27/96	8:30	0.3	0.2	23.19	7.45	7.25		391	0.3	*	0.14	0.55	0.69	300	3,000
23	9/27/96	8:45	0.8	0.4	23.41	7.20	7.06		412	0.8	*	0.22	0.54	0.76	1,100	6,000
24	9/27/96	8:55	2.5	1.3	23.63	7.22	5.66		481	2.5	*	0.24	0.45	0.69	1,000	4,000
25	9/27/96	9:00	1.2	0.6	23.90	7.21	5.64		456	1.2	*	0.26	0.48	0.74	3,000	8,000
26	9/27/96	9:10	0.4	0.2	23.55	7.11	5.22		334	0.4	*	0.20	0.47	0.67	300	4,000
27	9/27/96	9:15	2.0	1.0	24.06	7.08	5.10		467	2.0	*	0.32	0.50	0.82	280	1,200
22 Rep	9/27/96	8:31	0.3	0.2	23.15	7.44	7.18		390	0.3	*	0.13	0.56	0.69	300	2,500
28	9/27/96	6:50	0.9	0.4	23.97	7.22	5.27		478	0.9	*	0.18	0.36	0.54	5,000	6,800
28 Rep	9/27/96	6:51	0.9	0.4	23.95	7.23	5.21		482	0.9	*	0.21	0.36	0.57	3,000	9,000
29	9/27/96	7:00	0.6	0.3	24.12	7.23	5.60		464	0.6	*	0.19	0.40	0.59	1,200	5,000
30	9/27/96	7:10	0.6	0.3	26.21	7.35	5.77		558	0.6	*	0.14	0.40	0.54	4,200	4,500
31	9/27/96	7:20	1.7	0.9	26.25	7.38	5.93		557	1.7	*	0.13	0.37	0.50	2,700	5,000
32	9/27/96	7:30	1.2	0.6	26.23	7.35	6.05		557	1.2	*	0.14	0.44	0.58	2,000	4,300
33	9/27/96	7:40	2.5	1.2	26.11	7.34	6.05		551	2.5	*	0.10	0.49	0.59	3,000	6,000
34	9/27/96	7:50	2.4	1.2	25.84	7.30	6.14		552	2.4	*	0.14	0.38	0.52	8,000	13,000
35	9/27/96	8:00	3.1	1.5	25.23	7.30	5.18		549	3.1	*	0.14	0.59	0.73	6,000	9,000
36	9/27/96	8:10	2.5	1.2	24.85	7.26	5.58		544	2.5	*	0.17	0.49	0.66	1,400	1,600
37	9/27/96	8:20	3.0	1.5	24.90	7.28	4.89		539	3.0	*	0.18	0.46	0.64	1,000	3,000
38	9/27/96	8:30	0.8	0.4	25.11	7.19	4.14		502	0.8	*	0.20	0.45	0.65	1,200	24,000
39	9/27/96	8:40	0.9	0.4	24.49	7.29	6.00		575	0.9	*	0.17	0.34	0.51	800	4,000
40	9/27/96	8:50	0.8	0.4	25.03	7.30	5.30		562	0.8	*	0.08	0.59	0.67	300	4,000
40 Rep	9/27/96	8:51	0.8	0.4	25.01	7.30	5.31		560	0.8	*	0.08	0.60	0.68	500	4,000
Field Blank	9/27/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/27/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/27/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/27/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/27/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/27/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.																
Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/29/96	6:30	7.5	3.8	28.38	7.95	4.76	28.10	43,700	6.2		0.02	0.39	0.41	<10	<10
2	9/29/96	6:45	4.9	2.5	28.32	7.97	4.53	27.30	42,400	4.9	*	<0.01	0.46	0.46	60	130
3	9/29/96	6:55	4.6	2.3	28.23	7.95	4.26	26.90	42,000	4.6	*	<0.01	0.43	0.43	20	30
4	9/29/96	7:05	3.6	1.8	28.31	7.97	4.28	26.80	41,800	3.6	*	<0.01	0.44	0.44	30	120
5	9/29/96	7:15	3.6	1.8	28.65	7.83	4.10	22.30	35,500	3.6	*	<0.01	0.39	0.39	70	120
6	9/29/96	7:25	4.3	2.1	28.84	7.84	4.73	19.30	31,400	4.3	*	<0.01	0.47	0.47	300	800
7	9/29/96	7:35	4.3	2.1	28.90	7.83	4.75	19.30	31,100	4.3	*	<0.01	0.57	0.57	100	190
8	9/29/96	7:45	2.3	1.1	29.10	7.71	4.53	15.70	25,900	2.3	*	0.01	0.56	0.57	400	800
9	9/29/96	8:00	2.3	1.1	28.84	7.63	4.75	11.40	20,100	2.3	*	0.01	0.68	0.69	400	800
10	9/29/96	8:10	3.9	2.0	28.87	7.58	4.78	9.50	16,300	3.9	*	0.01	0.76	0.77	200	300
11	9/29/96	8:20	4.6	2.3	28.53	7.55	5.31	6.10	11,190	3.6		0.02	0.79	0.81	300	1,100
12	9/29/96	8:30	4.3	2.1	28.48	7.54	5.48	3.80	7,590	3.6		0.02	0.90	0.92	600	1,100
13	9/29/96	8:40	5.9	3.0	28.31	7.54	5.74	2.50	5,400	3.3		0.03	0.92	0.95	600	2,000
14	9/29/96	8:55	6.6	3.3	28.25	7.57	5.80	1.70	3,890	2.6		0.03	0.70	0.73	800	3,000
14 Rep	9/29/96	9:00	6.6	3.3	28.28	7.57	5.81	1.70	3,880	2.6		0.03	0.74	0.77	800	4,000
15	9/29/96	6:30	0.8	0.4	25.69	7.07	4.00		523	0.8	*	0.33	0.88	1.21	16,000	60,000
15 Rep	9/29/96	6:35	0.8	0.4	25.64	7.07	3.99		523	0.8	*	0.32	0.91	1.23	18,000	42,000
16	9/29/96	6:50	3.0	1.5	28.29	7.48	6.39		613	2.5		0.10	0.77	0.87	800	2,000
17	9/29/96	7:00	4.0	2.0	28.00	7.39	5.20		628	2.5		0.08	0.51	0.59	1,200	1,600
18	9/29/96	7:10	2.5	1.3	27.84	7.29	4.15		582	2.5	*	0.12	0.50	0.62	200	600
19	9/29/96	7:20	2.2	1.1	27.87	7.37	4.25		553	2.2	*	0.13	0.56	0.69	3,000	4,000
20	9/29/96	7:40	2.5	1.3	26.96	7.34	3.56		547	2.5	*	0.16	0.47	0.63	800	800
21	9/29/96	7:50	2.0	1.0	26.81	7.37	4.28		568	2.0	*	0.16	0.42	0.58	1,500	3,000
22	9/29/96	8:05	0.8	0.4	24.17	7.54	6.27		397	0.8	*	0.15	0.51	0.66	1,000	1,500
23	9/29/96	8:15	0.8	0.4	24.32	7.20	4.15		494	0.8	*	0.12	0.37	0.49	3,000	6,000
24	9/29/96	8:25	0.8	0.4	24.43	7.21	4.60		494	0.8	*	0.16	0.36	0.52	400	1,100
25	9/29/96	8:35	0.6	0.3	24.38	7.23	4.76		462	0.6	*	0.18	0.35	0.53	2,000	2,000
26	9/29/96	8:45	0.6	0.3	24.26	7.14	4.36		426	0.6	*	0.24	0.35	0.59	1,200	10,000
27	9/29/96	8:55	0.8	0.4	24.54	7.10	4.60		447	0.8	*	0.36	0.37	0.73	1,300	3,000
27 Rep	9/29/96	9:00	0.8	0.4	24.57	7.10	4.60		447	0.8	*	0.35	0.38	0.73	1,500	3,000
28	9/29/96	7:10	1.4	0.7	24.78	6.95	4.78		455	1.4	*	0.21	0.34	0.55	2,000	2,800
28 Rep	9/29/96	7:11	1.4	0.7	24.81	6.96	4.59		454	1.4	*	0.22	0.35	0.57	1,800	2,800
29	9/29/96	7:20	0.5	0.2	24.99	7.04	4.58		481	0.5	*	0.21	0.39	0.60	600	5,000
30	9/29/96	7:30	0.7	0.3	27.13	7.10	4.95		571	0.7	*	0.15	0.55	0.70	600	10,000
31	9/29/96	7:40	1.7	0.9	27.47	7.15	5.64		568	1.7	*	0.12	0.42	0.54	500	5,000
32	9/29/96	7:50	1.3	0.7	27.56	7.19	5.92		532	1.3	*	0.12	0.42	0.54	400	6,000
33	9/29/96	8:00	2.3	1.1	27.53	7.17	5.84		569	2.3	*	0.12	0.43	0.55	700	10,000
34	9/29/96	8:10	2.1	1.0	27.30	7.19	5.85		572	2.1	*	0.14	0.42	0.56	800	4,000
35	9/29/96	8:15	2.7	1.3	28.45	7.08	4.98		569	2.7	*	0.15	0.44	0.59	1,000	6,000
36	9/29/96	8:20	2.0	1.0	25.10	7.15	5.05		564	2.0	*	0.16	0.40	0.56	1,200	8,000
37	9/29/96	8:25	2.8	1.4	25.61	7.12	4.48		558	2.8	*	0.17	0.46	0.63	500	7,000
38	9/29/96	8:40	0.5	0.3	25.88	6.96	3.81		540	0.5	*	0.21	0.37	0.58	700	6,000
39	9/29/96	8:50	0.7	0.4	25.91	7.11	5.55		560	0.7	*	0.16	0.48	0.64	200	2,000
40	9/29/96	9:00	0.7	0.4	26.00	7.03	4.63		574	0.7	*	0.16	0.48	0.64	900	2,000
Field Blank	9/29/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/29/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/29/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/29/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/29/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/29/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1

Table 1. Results of Laboratory Analyses and In Situ Measurements Performed During the September, 1996 Monitoring Period in Phillippi Creek.

Station	Date (mm/dd/yy)	Time (24-hours)	Water Depth (ft)	Sample Depth (ft)	Water Temp (°C)	pH (pH Units)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Specific Conductance (µS/cm)	Secchi Depth (ft)		Total NO2+NO3 (mg/L)	TKN (mg/L)	Total Nitrogen (mg/L)	Fecal Coliform Col./100 mL	Total Coliform Col./100 mL
1	9/30/96	7:10	7.5	3.8	28.48	7.94	4.52	27.80	43,300	4.9		<0.01	0.44	0.44	20	30
1 Rep	9/30/96	7:15	7.5	3.8	28.49	7.93	4.55	27.90	43,400	4.9		0.01	0.43	0.44	30	40
2	9/30/96	7:25	4.6	2.3	28.40	7.95	4.21	27.30	42,400	4.6	*	<0.01	0.39	0.39	20	40
3	9/30/96	7:35	5.9	3.0	28.35	7.94	4.14	27.00	42,100	4.9		0.02	0.46	0.48	10	20
4	9/30/96	7:50	3.9	2.0	28.38	7.96	4.20	26.80	41,700	3.9	*	<0.01	0.44	0.44	20	60
5	9/30/96	8:00	3.3	1.6	28.66	7.80	4.02	22.30	35,500	3.3	*	<0.01	0.59	0.59	60	100
6	9/30/96	8:10	3.9	2.0	29.01	7.82	4.53	21.40	33,900	3.9	*	<0.01	0.58	0.58	120	400
7	9/30/96	8:20	3.9	2.0	28.55	7.87	4.81	21.10	33,800	3.9	*	<0.01	0.74	0.74	100	400
8	9/30/96	8:30	3.0	1.5	29.48	7.70	4.43	16.30	27,000	3.0	*	<0.01	1.21	1.21	400	600
9	9/30/96	8:40	2.3	1.1	29.13	7.61	4.82	11.40	19,600	2.3	*	0.02	0.80	0.82	100	400
10	9/30/96	8:50	6.9	3.4	29.91	7.64	4.05	16.20	26,600	3.6		<0.01	0.94	0.94	500	800
11	9/30/96	9:00	5.6	2.8	28.89	7.58	5.57	6.10	11,210	3.3		<0.01	0.89	0.89	800	1,200
12	9/30/96	9:10	3.9	2.0	28.94	7.55	5.59	4.20	8,190	3.3		0.01	0.94	0.95	1,300	2,000
13	9/30/96	9:20	5.6	2.8	28.72	7.56	5.77	2.70	5,690	3.3		0.01	0.94	0.95	600	2,000
14	9/30/96	9:30	6.6	3.3	28.63	7.57	5.74	1.90	4,340	2.3		0.01	1.06	1.07	400	800
15	9/30/96	8:00	0.8	0.4	25.03	7.04	3.95		561	0.8	*	0.39	0.79	1.18	16,000	18,000
16	9/30/96	8:25	2.5	1.3	26.00	7.26	4.40		690	2.5	*	0.11	0.76	0.87	800	1,000
17	9/30/96	8:40	4.0	2.0	28.05	7.28	4.43		654	2.6		0.10	0.92	1.02	300	6,000
18	9/30/96	8:45	2.4	1.2	27.75	7.30	4.33		576	2.4	*	0.13	0.90	1.03	200	700
19	9/30/96	8:55	2.0	1.0	27.64	7.35	4.04		571	2.0	*	0.13	0.81	0.94	300	600
20	9/30/96	9:10	2.5	1.3	26.59	7.32	3.73		577	2.5	*	0.15	0.67	0.82	500	800
21	9/30/96	9:15	2.2	1.1	26.70	7.35	4.46		589	2.2	*	0.12	0.65	0.77	700	800
22	9/30/96	9:30	0.4	0.2	24.28	7.58	7.06		326	0.4	*	0.17	0.67	0.84	600	800
23	9/30/96	9:40	0.8	0.4	24.21	7.19	4.91		403	0.8	*	0.21	0.98	1.19	1,000	1,600
24	9/30/96	9:45	0.8	0.4	24.74	7.24	6.15		460	0.8	*	0.21	0.51	0.72	600	2,000
25	9/30/96	9:55	0.7	0.4	24.70	7.21	5.08		471	0.7	*	0.28	0.56	0.84	1,000	8,000
26	9/30/96	10:00	0.5	0.3	24.79	7.14	5.72		380	0.5	*	0.22	0.67	0.89	100	1,300
27	9/30/96	10:10	1.5	0.8	24.73	7.01	4.91		474	1.5	*	0.33	0.63	0.96	800	1,000
27 Rep	9/30/96	10:11	1.5	0.8	24.75	7.05	4.88		473	1.5	*	0.32	0.58	0.90	1,100	1,800
28	9/30/96	7:10	0.9	0.4	24.69	7.00	4.88		491	0.9	*	0.20	0.66	0.86	4,000	4,800
28 Rep	9/30/96	7:11	0.9	0.4	24.69	7.00	4.79		495	0.9	*	0.20	0.62	0.82	5,000	6,000
29	9/30/96	7:20	0.6	0.3	24.91	7.07	4.62		481	0.6	*	0.20	0.53	0.73	4,500	6,000
30	9/30/96	7:30	1.0	0.5	26.48	7.18	4.86		585	1.0	*	0.13	0.79	0.92	400	6,000
31	9/30/96	7:40	2.0	1.0	27.34	7.21	5.63		575	2.0	*	0.09	0.48	0.57	500	1,000
32	9/30/96	7:50	1.4	0.7	27.59	7.30	6.24		571	1.4	*	0.11	0.48	0.59	400	800
33	9/30/96	8:05	2.6	1.3	27.61	7.27	6.21		573	2.6	*	0.11	0.48	0.59	400	500
34	9/30/96	8:10	2.3	1.1	27.30	7.26	5.83		571	2.3	*	0.12	0.53	0.65	300	1,800
35	9/30/96	8:20	2.6	1.3	26.47	7.19	5.07		566	2.6	*	0.15	0.46	0.61	5,000	8,000
36	9/30/96	8:30	2.4	1.2	25.68	7.20	4.95		574	2.4	*	0.15	0.51	0.66	5,000	6,000
37	9/30/96	8:40	2.7	1.3	25.67	7.13	4.29		558	2.7	*	0.14	0.52	0.66	6,000	8,000
38	9/30/96	8:55	0.8	0.4	25.89	7.07	3.86		546	0.8	*	0.21	0.31	0.52	10,000	18,000
39	9/30/96	9:05	0.9	0.4	25.83	7.22	5.52		555	0.9	*	0.14	0.54	0.68	2,000	2,400
40	9/30/96	9:15	0.8	0.4	26.05	7.23	5.15		563	0.8	*	0.14	0.54	0.68	2,000	7,000
40 Rep	9/30/96	9:16	0.8	0.4	26.05	7.22	5.15		563	0.8	*	0.16	0.55	0.71	2,000	6,000
Field Blank	9/30/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/30/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/30/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Field Blank	9/30/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		<0.01	<0.01	<0.01	<1	<1
Control After	9/30/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1
Control Before	9/30/96	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	<1	<1