K/UR-389

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NATIONAL URANIUM RESOURCE EVALUATION PROGRAM

HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE BASIC DATA FOR FORT SUMNER QUADRANGLE, NEW MEXICO

Uranium Resource Evaluation Project

August 31, 1981

OPERATED BY
UNION CARBIDE CORPORATION
FOR THE UNITED STATES
DEPARTMENT OF ENERGY

A computer readable magnetic tape containing measurement, analysis, and location data may be purchased from the GJOIS Project, UCC-ND Computer Applications Dept., 4500 North Building, Oak Ridge National Laboratory, P. O. Box X, Oak Ridge, Tennessee 37830.

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Oak Ridge Gaseous Diffusion Plant
Oak Ridge, Tennessee

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ABSTRACT

Field and laboratory data are presented for 647 water samples and 1,136 sediment samples from the Fort Sumner Quadrangle, New Mexico. The samples were collected by Los Alamos National Laboratory; laboratory analysis and data reporting were performed by the Uranium Resource Evaluation Project at Oak Ridge, Tennessee.

HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE BASIC DATA FOR FORT SUMNER QUADRANGLE, NEW MEXICO

INTRODUCTION

The National Uranium Resource Evaluation (NURE) Program was established by the U. S. Atomic Energy Commission, now the U. S. Department of Energy (DOE), in the spring of 1973 to assess uranium resources and to identify favorable areas for detailed uranium exploration throughout the United States. The principal objectives of the NURE Program are: (1) to provide a comprehensive in-depth assessment of the nation's uranium resources for national energy planning, and (2) to identify areas favorable for uranium resources. The NURE Program report, an Assessment Report on Uranium in the United States of America (1980), evaluates the uranium resources in 135 National Topographic Maps Series (NTMS) 1° x 2° quadrangles. The NURE Program is currently scheduled to continue the assessment process.

The NURE Program consists of five parts:

1. Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) Program,
2. Aerial Radiometric and Magnetic Survey,
3. Surface Geologic Investigations,
4. Drilling for Geologic Information, and
5. Geophysical Technology Development.

The objective of the HSSR Program is to provide information to be used in accomplishing the overall NURE Program objectives. This is accomplished by a reconnaissance of surface water, groundwater, stream sediment, and lake sediment. The survey is being conducted by Los Alamos National Laboratory (LANL), Oak Ridge Gaseous Diffusion Plant (ORGDP), and Savannah River Laboratory (SRL).

A total of 647 water samples and 1,136 sediment samples from the Fort Sumner Quadrangle (Figure 1) were received from LANL for laboratory analysis by the Uranium Resource Evaluation (URE) Project laboratory in Oak Ridge, Tennessee. Laboratory analyses were completed in July 1981, and the final data base used to generate the tables was completed in August 1981.

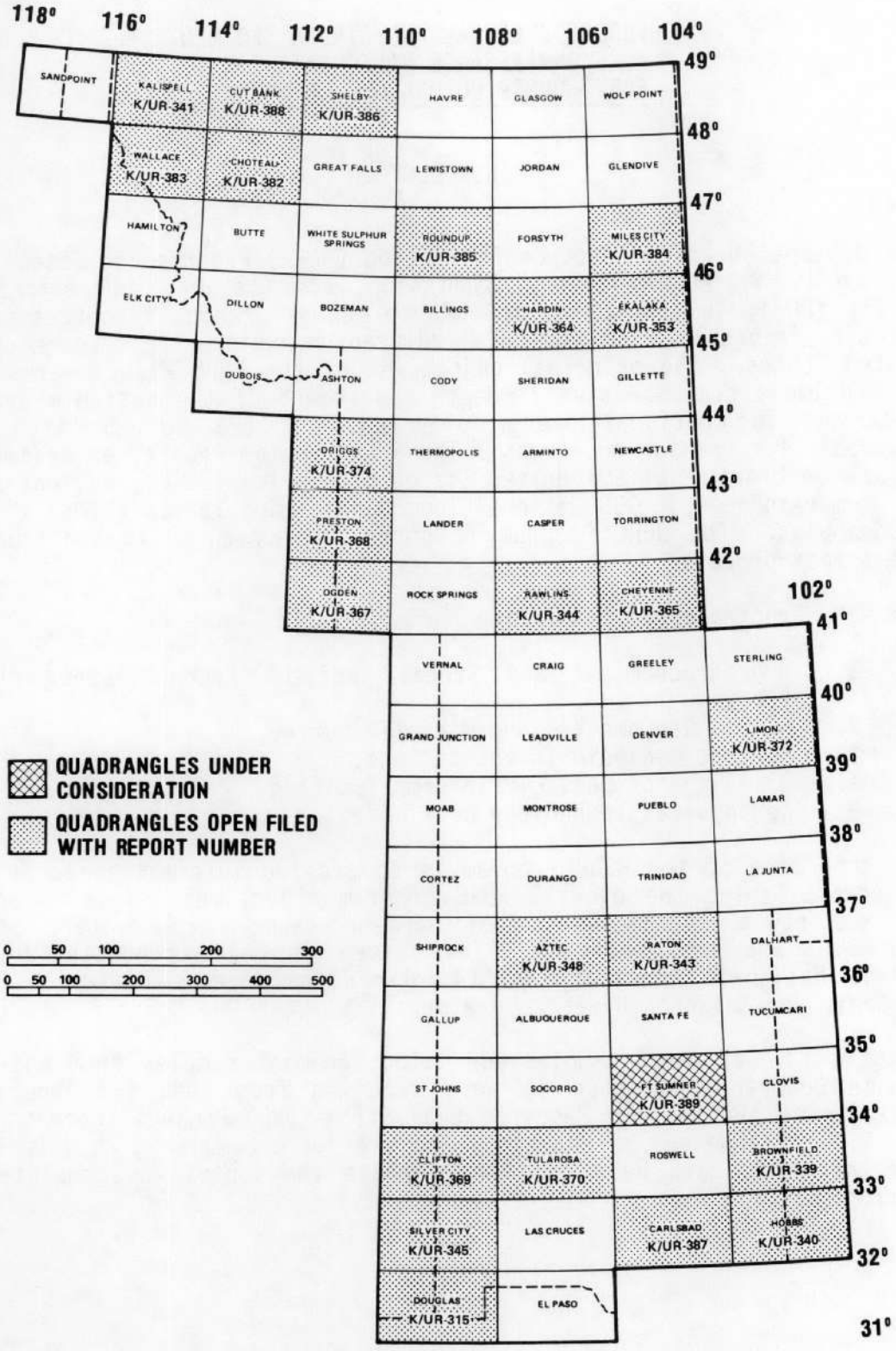

Figure 1

INDEX MAP SHOWING THE LOCATION OF THE FORT SUMNER QUADRANGLE

SAMPLE COLLECTION

Detailed information regarding techniques employed in sample collection, recording of site data, utilization of field equipment, and obtaining field measurements may be found in "Field Procedures for the Uranium Hydrogeochemical and Stream Sediment Reconnaissance as Used by the Los Alamos Scientific Laboratory" (Sharp, R. R., Jr. and Aamodt, P. L., April 1978).

LABORATORY PROCEDURES

Analytical procedures which were used are described by Cagle (1977) and Arendt, et al (December 1979). The uranium analysis by fluorescence spectroscopy was modified to allow for the reduced volume of water samples available. The modifications include using a 10-ml aliquot of a centrifuged water sample which is transferred to a 50-ml disposable plastic cone. The uranium is extracted by adding 0.5 ml of a 2% solution of Trioctyphosphine oxide (TOPO) in Varsol and then shaking the cone. A 50-µl pipette is used to transfer an aliquant of the organic phase onto a sodium fluoride pellet which is then sintered for 25 min at 970°C. The fluorescence intensity of the sample and standard pellets is measured using an automated fluorometer. The intensity is read directly by the calculator, and the sample concentrations are computed. Results are reported as ppb in the original water sample.

In addition to the hot-acid leach process described for fluorescence spectroscopy, a total uranium values is determined for stream sediments by neutron activation using delayed neutron counting. Approximately 2 g of <100-mesh sediment material is loaded into a polyethylene rabbit. It is transferred through a pneumatic transfer system into a reactor where it is exposed to a neutron flux of 3×10^{13} n/cm^2-sec for 60 sec and then transferred to a neutron counter. Results are reported as ppm of the dry sediment. Detections limits for all elements are listed in Table 1.

Procedures used to analyze URE Project reconnaissance samples require that calibration standards, check samples, and blanks be analyzed along with normal samples to ensure the validity of reported results. A measurements control program provides information concerning precision and reliability of these measurements. Control samples of two water batches and three sediment batches are submitted anonymously along with routine samples on a daily basis. Statistical summaries of results reported on control samples, which were analyzed with the samples included in this survey, are given in Tables 2 and 3.

A principal component error analysis of the data was used to produce an ordered list of samples using the eigenvalue statistics as described by Kane, et al (1977), where the most extreme samples were listed first. Additional unusual samples were identified if single-element measurements were outside a three standard deviation confidence interval around

Table 1

DETECTION LIMITS OF VARIABLES DETERMINED IN WATER AND SEDIMENT SAMPLES

Variable	Method	Detection Limits Sediment (ppm)	Detection Limits Water (ppb)
U-FL	Fluorometry	--	0.5
U-MS	Mass Spectrometry-Isotope Dilution	--	0.02
U-NT	Neutron Activation-Delayed Neutron Count	0.02	--
Ag	Plasma Source Emission Spectrometry	2	2
Al	Plasma Source Emission Spectrometry	0.05(a)	10
B	Plasma Source Emission Spectrometry	10	4
Ba	Plasma Source Emission Spectrometry	2	2
Be	Plasma Source Emission Spectrometry	1	1
Ca	Plasma Source Emission Spectrometry	0.05(a)	0.1(b)
Ce	Plasma Source Emission Spectrometry	10	30
Co	Plasma Source Emission Spectrometry	4	2
Cr	Plasma Source Emission Spectrometry	1	4
Cu	Plasma Source Emission Spectrometry	2	2
Fe	Plasma Source Emission Spectrometry	0.05(a)	10
Hf	Plasma Source Emission Spectrometry	15	--
K	Plasma Source Emission Spectrometry	0.05(a)	0.1(b)
La	Plasma Source Emission Spectrometry	2	--
Li	Plasma Source Emission Spectrometry	1	2
Mg	Plasma Source Emission Spectrometry	0.05(a)	0.1(b)
Mn	Plasma Source Emission Spectrometry	4	2
Mo	Plasma Source Emission Spectrometry	4	4
Na	Plasma Source Emission Spectrometry	0.05(a)	0.1(b)
Nb	Plasma Source Emission Spectrometry	4	--
Ni	Plasma Source Emission Spectrometry	2	4
P	Plasma Source Emission Spectrometry	5	40
Pb	Plasma Source Emission Spectrometry	10	--
Sc	Plasma Source Emission Spectrometry	1	1
Si	Plasma Source Emission Spectrometry	--	0.1(b)
Sr	Plasma Source Emission Spectrometry	1	2
Th	Plasma Source Emission Spectrometry	2	--
Ti	Plasma Source Emission Spectrometry	10	2
V	Plasma Source Emission Spectrometry	2	4
Y	Plasma Source Emission Spectrometry	1	1
Zn	Plasma Source Emission Spectrometry	2	4
Zr	Plasma Source Emission Spectrometry	2	2

(a)Detection limits expressed in percent.
(b)Detection limits expressed in ppm.

Table 2

SUMMARY OF MEASUREMENTS CONTROL RESULTS OBTAINED WITH WATER SAMPLES FROM THE FORT SUMNER QUADRANGLE

		Batch L-4				Batch H-4			
Element	Method	No. of Samples	Mean (ppb)	Standard Deviation (ppb)	Coefficient of Variation	No. of Samples	Mean (ppb)	Standard Deviation (ppb)	Coefficient of Variation
U	FL[a]	101	0.68	0.37	0.54	93	11.1	2.04	0.18
AL	PS[b]	112	79.0	30.1	0.38	125	354.0	33.7	0.10
B	PS	112	1,515.0	67.1	0.04	125	68.0	4.2	0.06
Ba	PS	112	161.0	8.1	0.05	125	36.0	1.9	0.05
Ca	PS	112	10,300.0	910.0	0.09	125	98,800.0	5,500.0	0.06
Co	PS	112	18.0	6.8	0.38	125	92.0	8.1	0.09
Cr	PS	112	99.0	10.3	0.10	125	20.0	3.9	0.20
Cu	PS	112	44.0	3.4	0.08	125	189.0	12.3	0.07
Fe	PS	112	101.0	14.7	0.15	125	972.0	72.6	0.07
K	PS	112	1,700.0	350.0	0.21	125	19,100.0	1,600.0	0.09
Li	PS	112	18.0	1.8	0.10	125	107.0	10.7	0.10
Mg	PS	112	9,400.0	550.0	0.06	125	73,400.0	4,000.0	0.06
Mn	PS	112	20.0	2.3	0.12	125	102.0	6.3	0.06
Mo	PS	112	44.0	11.4	0.26	125	8.0	9.3	1.20
Na	PS	112	1,700.0	170.0	0.10	125	48,000.0	3,600.0	0.08
Ni	PS	112	202.0	18.0	0.09	125	43.0	10.2	0.24
P	PS	112	99.0	23.0	0.23	125	4,786.0	245.2	0.05
Sc	PS	112	57.0	5.4	0.09	125	9.8	1.4	0.14
Si	PS	112	1,100.0	80.0	0.07	125	8,700.0	530.0	0.06
Sr	PS	112	52.0	3.8	0.07	125	5,002.0	287.2	0.06
Ti	PS	112	108.0	7.1	0.07	125	38.0	2.8	0.07
V	PS	112	10.0	8.3	0.83	125	46.0	9.1	0.20
Y	PS	112	10.0	1.5	0.15	125	46.0	3.8	0.08
Zn	PS	112	468.0	37.4	0.08	125	21.0	6.0	0.29

[a]Fluorometric analysis.
[b]Plasma source emission spectroscopy.

Table 3

SUMMARY OF MEASUREMENTS CONTROL RESULTS OBTAINED WITH SEDIMENT SAMPLES FROM THE FORT SUMNER QUADRANGLE

		Batch Q-1				Batch R-3				Batch S-3			
Element	Method	No. of Samples	Mean (ppm)	Standard Deviation (ppm)	Coefficient of Variation	No. of Samples	Mean (ppm)	Standard Deviation (ppm)	Coefficient of Variation	No. of Samples	Mean (ppm)	Standard Deviation (ppm)	Coefficient of Variation
U	NT(a)	39	0.67	0.160	0.24	90	4.86	0.134	0.03	35	26.25	0.797	0.03
AL	PS(b)	77	9,800.0	500.0	0.05	104	33,600.0	3,310.0	0.10	63	48,600.0	2,030.0	0.04
B	PS	81	6.0	3.2	0.47	105	15.0	6.4	0.40	67	62.0	11.5	0.18
Ba	PS	81	124.0	11.7	0.09	104	432.0	39.7	0.09	69	290.0	31.6	0.11
Be	PS	80	-	-	-	105	1.0	3.2	2.57	69	2.0	4.3	2.00
Ca	PS	82	1,100.0	120.0	0.12	106	2,800.0	400.0	0.14	68	15,900.0	1,370.0	0.09
Ce	PS	80	19.70	3.9	0.20	102	68.22	12.1	0.18	68	64.93	9.7	0.15
Co	PS	82	4.0	2.5	0.63	105	12.0	2.6	0.21	66	32.0	2.5	0.08
Cr	PS	82	13.0	3.1	0.23	104	27.0	3.2	0.12	69	62.0	6.8	0.11
Cu	PS	75	4.0	0.7	0.18	97	21.0	1.9	0.09	66	69.0	3.6	0.05
Fe	PS	79	9,500.0	410.0	0.04	104	17,800.0	1,170.0	0.07	66	39,300.0	1,940.0	0.05
K	PS	81	1,800.0	210.0	0.11	103	9,600.0	990.0	0.10	67	15,800.0	1,910.0	0.12
Li	PS	81	9.0	0.8	0.09	104	22.0	2.0	0.09	69	34.0	3.3	0.10
Mg	PS	82	1,100.0	80.0	0.08	101	2,100.0	130.0	0.06	69	5,400.0	320.0	0.06
Mn	PS	80	306.0	16.1	0.05	103	1,886.0	113.9	0.06	67	391.0	21.2	0.05
Mo	PS	1	-	-	-	105	-	-	-	65	41.0	4.9	0.12
Na	PS	1	<500.0	-	-	104	1,500.0	160.0	0.10	67	1,500.0	180.0	0.12
Nb	PS	79	<4.0	-	-	106	11.0	3.7	0.33	69	5.0	2.8	0.46
Ni	PS	79	6.0	1.4	0.22	104	19.0	2.8	0.14	69	104.0	8.8	0.08
P	PS	80	66.0	9.8	0.15	105	1,915.0	298.4	0.16	69	1,328.0	188.2	0.14
Pb	PS	71	<10.0	-	-	54	38.0	5.7	0.15	66	28.0	8.3	0.30
Sc	PS	82	1.0	0.5	0.29	104	5.0	0.6	0.10	67	9.0	0.6	0.06
Sr	PS	81	19.0	1.3	0.07	99	54.99	2.7	0.05	69	85.26	5.0	0.06
Th	PS	82	2.0	1.7	0.79	106	6.0	3.8	0.57	69	7.0	3.8	0.53
Ti	PS	82	564.0	53.3	0.09	103	3,270.0	309.4	0.09	68	2,095.0	182.9	0.09
V	PS	77	20.0	1.0	0.05	103	53.0	4.9	0.09	67	160.0	8.2	0.05
Y	PS	1	-	-	-	102	19.0	1.5	0.07	67	33.0	1.7	0.05
Zn	PS	76	12.0	1.9	0.15	101	89.0	9.5	0.11	67	171.0	20.0	0.12
Zr	PS	81	29.0	2.9	0.10	102	134.0	10.9	0.08	68	81.0	5.6	0.07
Hf	PS	72	<15.0	-	-	53	-	-	-	65	-	-	-
La	PS	72	13.5	6.4	0.47	54	55.39	23.7	0.43	66	59.53	20.3	0.34

(a)Neutron activation delayed neutron count.
(b)Plasma source emission spectroscopy.

the mean. Five water samples, approximately 1% of the total, (002130, 002131, 002149, 025163, and 026327) appeared to be the most unusual. Small sample volume available precluded reanalysis of the unusual samples. Extreme sediment samples identified in the same manner are 000657, 000725, 001371, 002147, 025399, 025431, 026152, 026203, 026388, 031270, and 031370.

DATA PRESENTATION

Water sample site locations are shown on Plate 1 and a symbol plot for uranium is shown on Plate 2. Sediment site locations are shown on Plate 3 and a symbol plot for uranium by neutron activation is shown on Plate 4. The lognormal probability distribution and frequency plots for uranium in water and sediment samples (Figures 2a, 2b, and 3a, 3b, respectively) are shown. Water data is presented on Tables 4 and 5 which are a statistical summary for all laboratory data and a tabular listing of selected field information and all laboratory data, respectively. A statistical summary and a tabular listing for all sediment samples are presented on Tables 6 and 7, respectively.

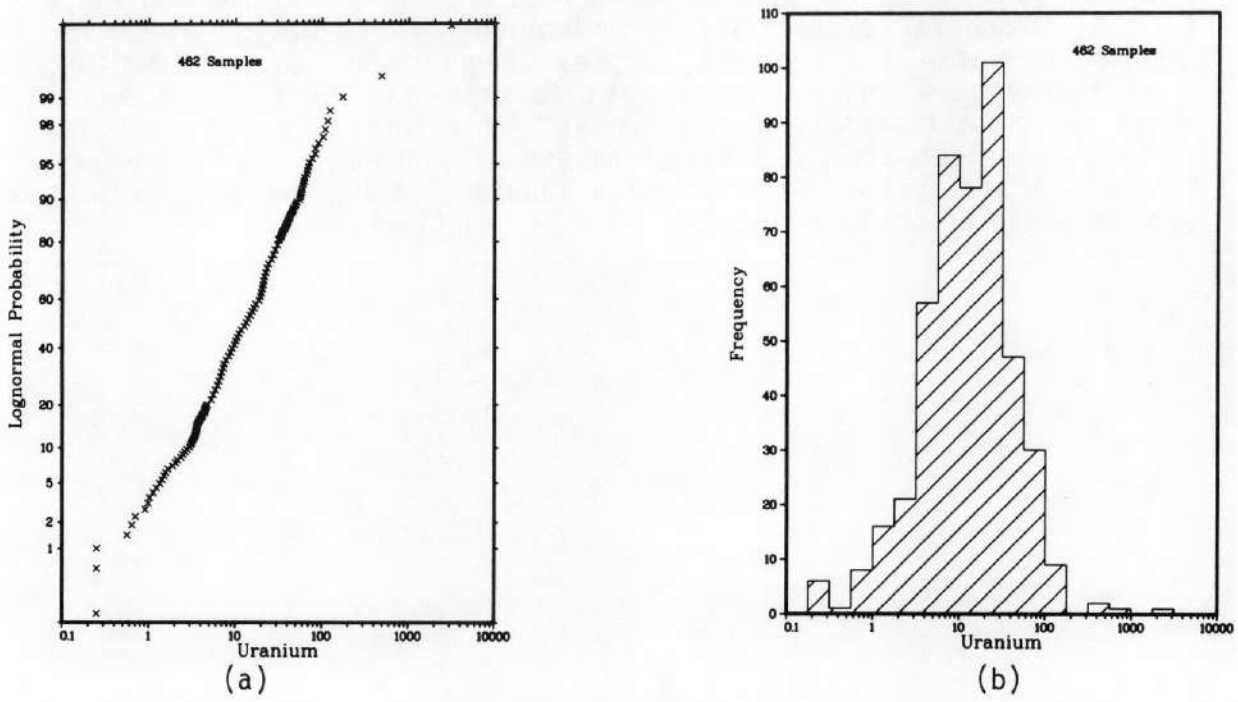

Figure 2

LOGNORMAL PROBABILITY AND FREQUENCY PLOTS FOR URANIUM (PPB)
IN WATERS OF THE FORT SUMNER QUADRANGLE

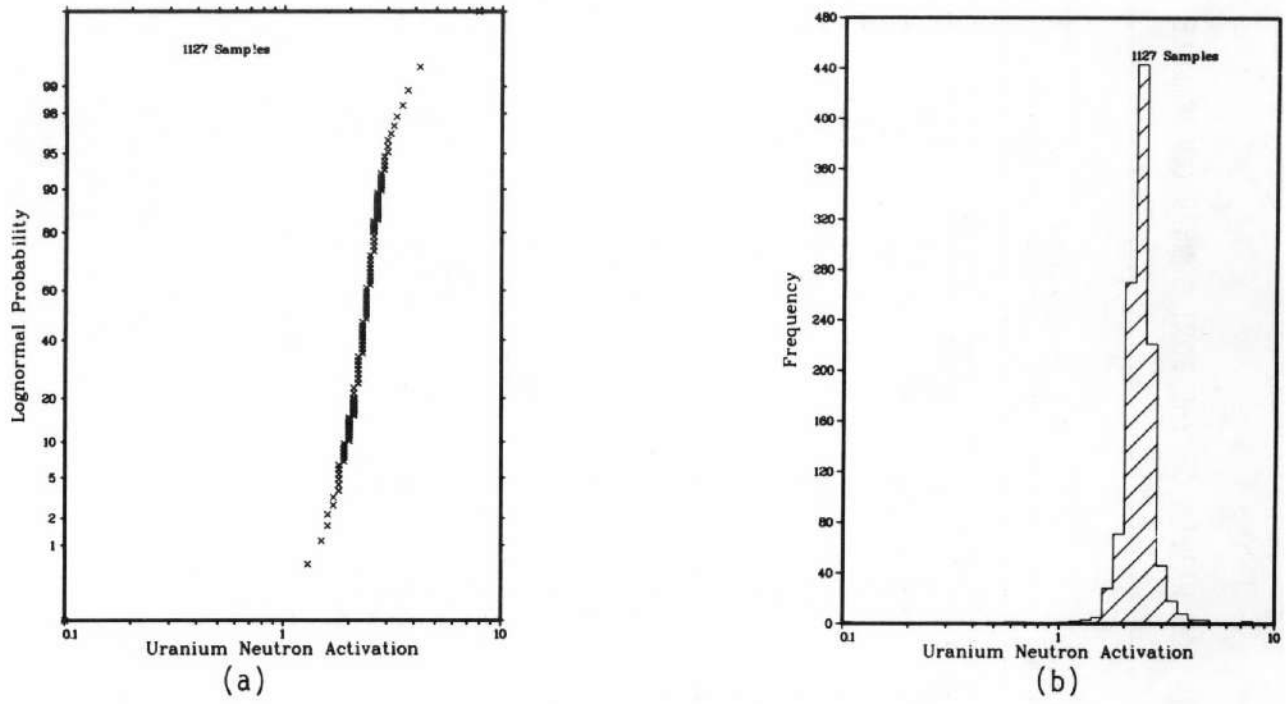

Figure 3

LOGNORMAL PROBABILITY AND FREQUENCY PLOTS FOR URANIUM (PPM)
IN SEDIMENTS OF THE FORT SUMNER QUADRANGLE

Table 4

STATISTICAL SUMMARY FOR WATERS OF THE FORT SUMNER QUADRANGLE

ELEMENT	NO. SAMPLES ANALYZED: MEASURABLE VALUES	BELOW DETECTION LIMIT	DETECTION LIMIT	MINIMUM VALUE	MAXIMUM VALUE	MEAN	MEDIAN	MODE	STANDARD DEVIATION	COEFFICIENT OF VARIATION	LN TRANSFORMATION: MEAN	LN TRANSFORMATION: S. D.	ROBUST: MEAN	ROBUST: S. D.
U-FL	375	6	<0.50	<0.50	122.00	18.57	10.69	6.44	19.955	1.074	2.41	1.07	2.40	1.19
U-NS	81			0.61	3078.00	86.98	21.46	19.78	349.297	4.016	3.17	1.36	3.14	1.26
AG	209	408	<2	<2	318	19	<2	<2	42.9	2.2	2.15	1.07		
AL	442	175	<10	<10	29701	1156	183	25	2620.1	2.3	6.06	1.47	5.06	2.56
B	611	6	<4	<4	15797	1048	660	226	1302.8	1.2	6.41	1.13	6.42	1.22
BA	592	25	<2	<2	3892	142	73	29	233.5	1.6	4.39	1.04	4.30	1.20
BE	46	571	<1	<1	24	2	<1	<1	3.8	1.5	0.54	0.77		
CA	616	1	<0.1	<0.1	8579.0	1734.3	952.6	227.1	1869.81	1.08	6.75	1.35	6.79	1.34
CE	197	420	<30	<30	3806	250	<30	<30	502.1	2.0	4.85	0.97		
CD	288	329	<2	<2	439	27	<2	<2	52.1	1.9	2.59	1.10		
CR	265	352	<4	<4	1015	51	<4	<4	115.7	2.3	3.15	1.10		
CU	404	213	<2	<2	760	60	13	<2	89.2	1.5	3.37	1.25	2.34	2.08
FE	572	45	<10	<10	52647	1558	491	32	3681.7	2.4	6.39	1.32	6.16	1.90
K	488	129	<0.1	<0.1	195.6	7.4	2.5	0.2	14.20	1.91	1.20	1.30	0.64	2.12
LI	592	25	<2	<2	1485	84	43	2	130.9	1.6	3.73	1.17	3.70	1.43
MG	614	3	<0.1	<0.1	3797.0	246.0	135.2	53.5	389.05	1.58	4.81	1.25	4.83	1.21
MN	589	28	<2	<2	15390	287	67	4	967.0	3.4	4.40	1.45	4.24	1.77
MO	453	164	<4	<4	1092	54	19	<4	87.3	1.6	3.41	1.02	2.82	1.52
NA	610	7	<0.1	<0.1	7606.0	216.0	42.6	9.0	736.38	3.41	3.85	1.60	3.81	1.66
NI	455	162	<4	<4	5190	83	18	<4	287.6	3.5	3.54	1.16	2.87	1.70
P	268	349	<40	<40	12555	434	<40	<40	1061.7	2.4	5.25	1.11		
SC	172	445	<1	<1	167	15	<1	<1	26.1	1.7	1.75	1.37		
SI	616	1	<0.1	<0.1	220.4	30.0	22.5	18.6	25.88	0.86	3.07	0.88	3.10	0.88
SR	615	2	<2	<2	99999	14732	9381	1745	15436.9	1.0	8.58	1.26	9.03	1.20
TI	413	204	<2	<2	855	58	10	<2	91.5	1.6	3.24	1.31	2.22	2.02
V	469	148	<4	<4	1233	117	37	<4	156.5	1.3	4.14	1.14	3.54	1.79
Y	367	250	<1	<1	134	8	<1	<1	14.3	1.8	1.45	1.05		
ZN	590	27	<4	<4	45437	1485	504	40	3301.0	2.2	6.31	1.46	6.18	1.98
ZR	304	313	<2	<2	591	35	<2	<2	73.6	2.1	2.85	1.15		
PH	642			2.8	9.8	7.6	7.6	7.3	0.70	0.09				
CT-F	597			1	12500	1926	1500	79	1775.8	0.9	6.96	1.52	7.06	1.73

Table 5

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
2127	L	35	34.581	105.965	2	09	10/07/75	9	18.0	13.0			8.3	
2128	L	35	34.594	105.919	2	10	10/07/75	10	20.0	14.0			8.3	
2129	W	35	34.608	105.866	2	08	10/07/75	11	25.0	14.0			7.2	
2130	L	35	34.611	105.912	2	09	10/07/75	12	25.0	22.0			7.4	
2131	L	35	34.796	105.917	2	09	10/07/75	12	26.0	19.0			8.4	
2132	L	35	34.775	105.942	2	09	10/07/75	13	25.0	18.0			8.9	
2133	L	35	34.592	105.969	2	09	10/07/75	14	25.0	19.0			8.4	
2143	L	35	34.942	105.801	2	10	10/15/75	12						
2144	L	35	34.895	105.807	2	10	10/15/75	14	19.0	16.0			7.2	320
2145	W	35	34.864	105.867	2	08	10/15/75	15	20.0	12.0			6.8	90
2146	W	35	34.900	105.866	2	08	10/15/75	16	20.0				6.6	125
2147	S	35	34.772	105.956	2	07	10/15/75	10	7.0	7.0			7.0	261
2148	L	35	34.774	105.929	2	09	10/15/75	10	12.0	9.0			6.2	12500
2149	L	35	34.778	105.931	2	09	10/15/75	11	15.0	9.0			6.2	
2150	W	35	34.783	105.926	2	08	10/15/75	12	12.0	13.0			6.9	3800
2151	W	35	34.768	105.963	2	08	10/15/75	12	13.0	14.0			6.5	1100
2153	W	35	34.581	105.952	2	08	10/15/75	14	12.0	15.0			7.4	110
2154	W	35	34.581	105.985	2	08	10/15/75	14	15.0	14.0			7.7	1200
2234	S	35	34.992	105.662	2	07	09/15/75	14	22.0	23.9			8.1	
2235	W	35	34.953	105.646	2	08	09/15/75	14	22.0	16.7			7.8	
2236	L	35	34.814	105.622	2	09	09/15/75	15	23.0	19.2			8.2	
2238	S	35	34.747	105.647	2	07	09/15/75	19	21.0	17.8			9.4	
2239	L	35	34.667	105.669	2	10	09/16/75	9	15.0	13.3			8.6	
2240	L	35	34.645	105.679	2	10	09/16/75	9	17.0	14.4			8.0	
2241	L	35	34.719	105.656	2	09	09/16/75	10	22.0	17.8	C		8.0	
2242	W	35	34.650	105.704	2	08	09/16/75	11	20.0	16.7			7.4	
2243	W	35	34.733	105.833	2	08	09/16/75	12	24.0	20.6			7.2	
2298	L	35	34.940	105.881	2	10	09/27/75	11	19.0	14.0			7.7	
2299	L	35	34.928	105.850	2	10	09/27/75	11	21.0	14.5			8.1	
2300	L	35	34.922	105.909	2	10	09/27/75	<0	25.0	23.0			8.1	
2301	L	35	34.905	105.908	2	10	09/27/75	<0	25.0	24.5			7.4	
2302	L	35	34.884	105.919	2	10	09/27/75	14	26.0	25.5			9.0	
2303	L	35	34.876	105.906	2	10	09/27/75	15	25.0	22.0			8.2	
2304	W	35	34.650	105.839	2	08	09/27/75	19						
2363	L	35	34.978	105.846	2	10	10/15/75	12	22.0	11.0			7.0	
2364	W	35	34.972	105.842	2	08	10/15/75	12	22.0	13.0			7.1	
2387	W	35	34.804	105.929	2	08	08/19/75	12	28.0	18.5	C		6.5	
2388	W	35	34.833	105.937	2	08	08/19/75	12	24.0	17.0	C		6.0	
2390	W	35	34.793	105.880	2	08	08/19/75	14	34.0	14.5			6.5	
2391	W	35	34.772	105.867	2	08	08/19/75	15	36.0	19.0			6.0	
2392	W	35	34.799	105.867	2	08	08/19/75	15	27.0	15.0			6.5	
2393	W	35	34.686	105.859	2	08	08/19/75	16	26.0	15.5			6.5	
2394	W	35	34.815	105.840	2	08	08/19/75	16	28.0	16.0			6.0	
2395	W	35	34.842	105.867	2	08	08/19/75	18	26.0	17.0			6.0	
2396	W	35	34.835	105.752	2	08	08/19/75	19	27.0	16.0			7.0	
2397	W	35	34.816	105.769	2	08	08/19/75	20	23.0	16.0	C		6.0	
2398	W	35	34.794	105.822	2	08	08/19/75	20	22.0	15.0				
2402	W	35	34.615	105.852	2	08	08/20/75	13	25.0	16.0			7.0	
2403	W	35	34.622	105.892	2	08	08/20/75	13	25.0	15.5			7.0	
2406	W	35	34.583	105.983	2	08	08/21/75	10	17.0	15.0			7.0	
2464	L	35	34.912	105.936	2	10	09/06/75	13	26.0	22.0			7.5	
2465	L	35	34.935	105.948	2	10	09/06/75	14	25.0	20.0				
2566	W	35	34.941	105.872	2	08	08/06/75	12	27.0	24.0			7.4	
2567	W	35	34.926	105.855	2	08	08/06/75	12	32.0	19.0			7.3	
2568	W	35	34.875	105.824	2	08	08/06/75	16	36.0	26.0			7.6	

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCAN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWE_	DIAM (INCHES)	W-DP (FEET)	WATD (FEET)
2127	3							1	1	1				
2128	3							3	3	1				
2129	3						1	1	3	1				
2130	3							3	3	1				
2131	3							3	3	1				
2132	3							1	3	1				
2133	3							1	3	1				
2143	3							2	2	1				
2144	3							3	2	1				
2145	3						1	1	2	1	1			
2146	3						1	1	2	1	1			
2147	3						1	1	2	1				
2148	3							1	1	1				
2149	3							2	2	1				
2150	3						3	1	2	1	1			
2151	3							1	2	1	1			
2153	3						1	1	2	1	1			
2154	3						1	1	2	1	1			
2234	3		8				1		3	1				
2235	3		4						3	1				
2236	3		4						3	1				
2238	3		4				1		3	1				
2239	3		4						3	1				
2240	3		4						2	1				
2241	3		2						3	1				
2242	3		4							1	1			
2243	3		4						1	1	1			
2298	3		4						2	1				
2299	3		4						2	1				
2300	3		4						2	1				
2301	3		4						2	1				
2302	3		4						2	1				
2303	3		4						2	1				
2304	3						2		2	1	1			
2363	3		4						1	1				
2364	1		4				3		1	1				
2387	3		4				1		2	1			273	130
2388	3		4						1	1	1		270	57
2390	3		1	4					1	1	1			
2391	3		1	4					2	1	1			
2392	3		1	4					1	1	1			
2393	3		1	4					1	1	1			
2394	3		1	4					1	1	1		354	170
2395	3		1						2	1	0			
2396	3		1						2	1	1			
2397	3		1						2	1	1		445	200
2398	3		1						2	1	1			
2402	3		1						2	1	1			
2403	3		1						2	1	1			
2406	3		1						1	4	1			
2464	3		1						2	3				
2465	3		1						2	3				
2566	1		4						1	1				
2567	1		4						1	1				
2568	1		4						3	1				

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
2127	6.28	<2	200	1345	72	1	4820.0	<30	5	<4	<2	31[illegible]	18.8	68	1445.0
2128	1.90	116	<10	<4	135	4	1564.0	837	163	122	<2	<10	0.8	<2	66.8
2129	66.86	<2	62	1337	9	<1	2657.0	65	<2	4	14	984	4.9	54	424.4
2130	102.00	5	3432	5316	<2	<1	397.5	36	<2	<4	159	10306	118.7	468	1252.0
2131	69.62	<2	4527	3783	93	<1	4810.0	54	15	<4	225	26014	45.9	121	1207.0
2132	0.98	<2	339	1158	166	<1	5962.0	<30	<2	<4	43	507	25.5	46	1317.0
2133	9.14	<2	463	1248	<2	<1	3939.0	53	4	8	36	905	18.7	66	1441.0
2143	<0.50	<2	192	6	173	<1	231.0	<30	<2	<4	760	1706	0.4	<2	<0.1
2144	3.40	<2	883	395	116	<1	2823.0	<30	20	<4	146	6151	1.1	5	128.4
2145	8.30	6	<10	139	27	<1	482.9	<30	7	<4	<2	119	<0.1	3	28.1
2146	33.34	<2	<10	1133	12	<1	439.4	<30	24	<4	<2	314	<0.1	6	26.3
2147	22.90	<2	<10	253	38	<1	1776.0	<30	<2	<4	<2	67	0.2	7	89.3
2148	13.96	<2	851	5013	<2	<1	452.3	<30	<2	<4	<2	1074	53.7	574	1320.0
2149	21.50	10	1296	9133	<2	<1	350.7	68	<2	5	<2	1383	68.8	624	1155.0
2150	33.34	4	<10	172	5	1	1100.0	88	22	13	<2	910	0.1	7	<0.1
2151	11.38	<2	<10	75	24	<1	541.2	<30	<2	<4	<2	41	<0.1	3	37.2
2153	6.94	4	<10	70	8	1	356.2	80	20	9	<2	130	<0.1	2	48.6
2154	7.18	<2	<10	84	8	<1	353.3	<30	18	<4	<2	178	<0.1	2	52.6
2234	0.70	5	1426	17	369	<1	112.5	75	15	6	22	3186	0.7	<2	<0.1
2235	10.44	<2	390	307	27	<1	1061.0	<30	<2	<4	68	2959	1.3	8	53.3
2236	<0.50	<2	42	20	112	<1	130.7	30	13	<4	<2	133	0.7	<2	1.8
2238	23.80	2	<10	115	179	<1	426.1	<30	9	4	<2	68	5.7	3	8.0
2239	4.52	<2	<10	82	355	<1	410.3	<30	16	8	<2	119	4.4	<2	5.8
2240	0.64	7	42	58	242	<1	297.6	74	11	8	<2	222	3.1	<2	3.4
2241	<0.50	<2	16	33	151	<1	158.9	<30	<2	<4	<2	161	2.5	<2	2.0
2242	58.44	<2	<10	294	35	<1	862.9	<30	<2	<4	<2	10915	1.0	16	39.2
2243	56.28	<2	<10	606	7	<1	1754.0	<30	19	<4	<2	846	1.9	42	178.8
2298	20.44	<2	<10	759	340	<1	300.4	<30	7	<4	<2	362	3.1	16	32.1
2299	13.28	<2	<10	232	150	<1	622.3	<30	<2	<4	<2	92	3.3	9	48.9
2300	1.88	<2	1794	419	1245	<1	730.5	<30	39	<4	37	11974	23.7	4	27.6
2301	0.92	4	555	111	1052	<1	806.5	<30	44	6	17	8462	3.6	2	8.4
2302	1.02	6	<10	104	315	<1	260.0	<30	<2	5	<2	596	15.0	<2	6.9
2303	4.28	<2	3958	317	959	2	1089.0	<30	53	<4	151	13961	12.0	3	14.5
2304	11.08	3	<10	229	12	<1	2997.0	113	27	21	<2	86	0.2	10	111.5
2363	0.56	<2	784	21	213	<1	192.9	<30	<2	<4	250	2995	0.9	<2	1.6
2364	8.90	<2	885	511	73	<1	783.8	<30	4	<4	136	2324	3.9	26	37.9
2387	39.80	<2	135	766	16	<1	1139.0	<30	<2	<4	7	10062	7.0	195	308.1
2388	70.84	<2	82	684	11	<1	2781.0	<30	<2	<4	<2	257	3.1	121	343.8
2390	27.90	<2	65	287	23	<1	1459.0	<30	<2	<4	17	756	2.8	48	136.9
2391	24.04	<2	380	562	28	<1	2515.0	<30	<2	<4	64	2295	3.2	35	141.6
2392	26.80	<2	<10	1302	<2	<1	2013.0	<30	<2	<4	<2	<10	2.5	113	321.9
2393	16.16	<2	103	285	28	<1	1872.0	<30	<2	<4	16	986	1.3	31	68.5
2394	1.12	<2	428	1821	24	<1	2561.0	<30	<2	<4	69	11327	2.7	58	250.5
2395	22.50	2	<10	236	24	<1	609.3	<30	<2	<4	<2	156	1.6	21	52.7
2396	39.34	<2	54	191	24	<1	362.1	<30	<2	<4	<2	744	2.7	26	30.4
2397	3.06	6	400	1895	18	<1	2452.0	79	19	11	30	1183	2.0	51	203.1
2398	24.38	<2	320	460	29	<1	2082.0	<30	<2	<4	46	1052	2.2	41	155.6
2402	3.50	<2	<10	251	37	<1	139.7	<30	7	<4	<2	1740	3.1	25	46.3
2403	5.82	<2	<10	321	16	<1	369.5	58	<2	<4	<2	4628	3.5	38	97.9
2406	8.80	6	32	142	21	<1	325.3	83	<2	10	5	233	0.9	17	72.9
2464	0.86	9	84	50	296	<1	217.7	96	18	14	2	404	5.4	<2	3.7
2465	1.22	11	27	52	1120	<1	209.5	<30	8	9	<2	150	10.7	2	8.2
2566	26.00	7	<10	721	16	<1	2314.0	<30	<2	5	<2	1630	1.2	26	154.7
2567	18.68	<2	<10	596	10	<1	2403.0	<30	<2	<4	<2	4312	1.1	23	154.4
2568	31.24	<2	<10	1285	4	<1	2206.0	<30	<2	<4	<2	707	0.5	29	257.7

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MG	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
2127	107	97	4600.0	<4	<40	<1	1.7	21485	60	<4	4	286	9
2128	<2	132	67.5	143	481	<1	9.6	4894	<2	271	36	<4	268
2129	147	94	101.3	27	<40	<1	13.4	18899	30	13	4	4856	24
2130	1329	1092	6127.0	43	3434	<1	16.5	1280	65	<4	6	1836	8
2131	2314	137	3862.0	44	1782	6	33.7	34542	140	21	36	1012	26
2132	85	247	4942.0	<4	<40	3	1.8	39594	170	<4	2	261	<2
2133	140	110	4381.0	<4	<40	<1	2.1	18214	85	<4	4	399	9
2143	378	<4	<0.1	60	2438	<1	2.2	102	6	<4	<1	3406	<2
2144	1923	19	5.6	44	2097	<1	18.9	7388	50	<4	2	2082	<2
2145	17	57	3.0	<4	<40	<1	14.3	1722	<2	41	1	1696	<2
2146	21	9	10.7	<4	<40	<1	11.3	3183	<2	177	<1	516	<2
2147	42	8	24.3	<4	<40	<1	21.2	5188	<2	<4	<1	1216	<2
2148	3569	<4	6091.0	<4	2027	<1	4.7	6085	<2	<4	<1	622	<2
2149	5005	<4	5995.0	<4	1703	<1	6.1	6091	<2	<4	3	585	40
2150	<2	<4	15.5	30	65	<1	15.4	3623	3	42	4	277	48
2151	14	16	8.3	<4	49	<1	16.8	1413	<2	32	<1	148	<2
2153	6	7	6.4	13	<40	<1	10.9	1139	<2	77	3	208	26
2154	3	<4	6.8	<4	<40	<1	10.8	1086	<2	47	<1	209	<2
2234	505	34	<0.1	14	472	<1	13.1	<2	10	50	19	1083	16
2235	193	<4	5.7	<4	<40	20	15.8	3946	72	<4	<1	3736	<2
2236	29	19	<0.1	21	522	<1	4.7	144	<2	37	<1	46	15
2238	35	22	3.6	<4	469	<1	2.2	846	<2	100	1	12	11
2239	1186	<4	0.1	40	1405	<1	13.2	387	<2	54	1	11	18
2240	45	<4	<0.1	26	1882	<1	9.5	233	2	81	4	849	11
2241	63	<4	<0.1	4	1199	<1	6.7	148	<2	61	1	<4	<2
2242	326	46	21.4	<4	<40	<1	12.6	4337	<2	<4	<1	3010	<2
2243	282	230	90.4	<4	<40	<1	12.3	9144	11	14	2	2811	21
2298	779	<4	17.6	<4	177	<1	12.8	1952	<2	<4	<1	127	<2
2299	371	<4	3.5	17	1616	<1	23.0	2950	3	13	<1	81	<2
2300	5501	<4	4.0	54	12555	<1	31.7	1786	39	51	23	1926	<2
2301	6240	<4	0.5	52	2956	<1	17.1	652	9	57	11	2903	<2
2302	495	<4	9.5	40	1771	<1	0.4	491	7	71	3	605	<2
2303	5535	6	5.3	92	9345	<1	19.9	1120	21	185	48	16442	24
2304	12	40	34.7	<4	<40	<1	11.6	17188	16	76	6	2704	40
2363	367	<4	<0.1	20	749	<1	4.4	54	3	8	2	845	<2
2364	256	8	35.2	<4	<40	39	20.7	3175	123	<4	<1	847	2
2387	195	<4	396.6	<4	<40	1	14.7	10579	12	<4	<1	149	<2
2388	302	12	181.9	<4	<40	<1	19.0	22086	11	<4	<1	892	<2
2390	46	<4	98.8	<4	<40	<1	22.1	6491	13	<4	<1	1313	<2
2391	399	<4	30.3	<4	<40	17	19.9	12864	77	<4	<1	389	<2
2392	969	<4	199.9	<4	<40	<1	26.8	15992	<2	<4	<1	<4	<2
2393	51	4	23.5	<4	<40	3	18.1	14267	26	18	<1	104	<2
2394	288	<4	59.9	<4	<40	19	13.4	16166	81	<4	<1	3357	<2
2395	31	9	22.6	<4	<40	<1	13.0	3425	<2	76	<1	537	<2
2396	49	47	21.1	<4	<40	<1	12.6	1610	<2	4	1	1124	<2
2397	274	52	60.1	44	<40	6	8.5	17190	46	17	5	5472	16
2398	62	<4	40.7	11	<40	11	18.8	11759	55	10	2	279	<2
2402	676	8	31.2	<4	<40	<1	12.8	643	<2	16	1	65	<2
2403	1999	25	73.0	6	<40	<1	12.9	1792	<2	<4	1	64	<2
2406	59	16	8.6	10	<40	<1	13.0	1548	2	90	5	1086	27
2464	217	20	<0.1	66	328	<1	9.0	277	<2	66	5	2514	18
2465	431	14	0.3	12	366	<1	11.5	733	<2	30	2	<4	18
2566	174	9	30.6	<4	<40	<1	14.5	10241	15	<4	4	835	15
2567	171	5	28.6	16	<40	<1	13.0	10822	13	<4	<1	1934	<2
2568	222	53	28.4	7	<40	<1	5.0	12237	<2	<4	<1	3509	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
2569	W	35	34.768	105.983	2	08	08/06/75	18	29.0	15.0			7.3	
2570	W	35	34.768	105.934	2	08	08/06/75	18	29.0	16.0			7.4	
2572	W	35	34.783	105.928	2	08	08/06/75	19	26.0	13.0			7.3	
24901	S	35	34.455	104.201	2	07	04/29/77	14	18.0	17.0			7.6	2750
24902	W	35	34.414	104.192	2	08	04/29/77	14	18.0	19.0	C		7.1	3750
24903	W	35	34.461	104.562	2	08	04/30/77	10	16.0	15.5	C		7.3	1700
24904	W	35	34.468	104.599	2	08	04/30/77	10	16.0	14.0	C		8.7	3000
24905	W	35	34.496	104.608	2	08	04/30/77	10	18.0	16.0	C		7.7	800
24906	W	35	34.532	104.624	2	08	04/30/77	11	17.0	15.5	C		8.1	3700
24908	W	35	34.554	104.643	2	08	04/30/77	11	19.0	17.0	C		8.1	6500
24909	W	35	34.577	104.634	2	08	04/30/77	11	18.0	18.0	C		8.2	5700
24910	W	35	34.580	104.564	2	08	04/30/77	12	18.0	16.5	C		7.7	1700
24912	W	35	34.600	104.637	2	08	04/30/77	13	19.0	17.5	C		7.4	3700
24914	P	35	34.594	104.662	2	06	04/30/77	15	20.0	18.0	C		8.2	6100
24915	P	35	34.595	104.680	2	06	04/30/77	15	20.0	18.0	C		8.0	5900
24916	W	35	34.587	104.672	2	08	04/30/77	15	21.0	18.0	C		8.7	3700
24917	P	35	34.595	104.725	2	06	04/30/77	16	20.0	16.0			8.5	7700
24919	W	35	34.549	104.686	2	08	04/30/77	16	18.0	17.0	C		8.4	3200
24920	W	35	34.520	104.726	2	08	04/30/77	16	20.0	17.0	C		8.4	3900
24921	W	35	34.478	104.668	2	08	04/30/77	17	19.0	18.0	C		8.5	2750
24923	W	35	34.493	104.649	2	08	04/30/77	17	17.0	17.0	C		7.3	2400
24924	W	35	34.493	104.636	2	08	04/30/77	17	17.0	16.5	C		7.3	2200
24925	W	35	34.507	104.670	2	08	04/30/77	17	16.0	16.0	C		7.7	2300
24926	W	35	34.178	104.488	2	08	05/01/77	13	23.0	19.0	C		8.1	3100
24928	W	35	34.157	104.485	2	08	05/01/77	14	21.0	18.0	C		8.4	5700
24929	W	35	34.602	104.610	2	08	04/02/77	10	19.0	19.0	C		7.3	2700
24930	W	35	34.607	104.620	2	08	04/02/77	10	20.0	18.0	C		7.1	3150
24931	W	35	34.643	104.601	2	08	04/02/77	11	20.0	19.0	C		8.0	800
24932	W	35	34.648	104.551	2	08	04/02/77	12	20.0	20.0	C		8.4	1000
24934	W	35	34.661	104.511	2	08	04/02/77	13	21.0	19.5	C		7.4	950
24939	W	35	34.684	104.614	2	08	04/02/77	14	23.0	23.0	C		8.2	6700
24940	W	35	34.709	104.611	2	08	04/02/77	15	25.0	19.0	C		7.9	900
24941	W	35	34.694	104.689	2	08	04/02/77	15	25.0	21.0	C		8.1	2500
24944	W	35	34.741	104.561	2	08	04/02/77	16	18.0	18.0	C		8.5	3100
24945	W	35	34.706	104.630	2	08	04/02/77	16	22.0	20.0	C		7.3	2800
24946	W	35	34.724	104.635	2	08	04/02/77	17	21.0	20.5	C		8.6	3600
24949	P	35	34.678	104.660	2	06	04/02/77	18	15.0	15.0	C		8.3	7500
24951	P	35	34.925	104.692	2	06	04/04/77	8	19.0	18.0			7.5	2600
24953	W	35	34.840	104.756	2	08	04/04/77	8	21.0	19.0	C		7.3	1100
24954	W	35	34.821	104.754	2	08	04/04/77	9	21.0	19.0	C		8.7	3400
24956	W	35	34.759	104.766	2	08	04/04/77	10	21.0	18.0	C		8.0	2000
24957	W	35	34.782	104.820	2	08	04/04/77	14	22.0	19.0	C		7.3	1100
24958	W	35	34.782	104.851	2	08	04/04/77	14	22.0	19.0			7.9	400
24959	W	35	34.801	104.870	2	08	04/04/77	14	23.0	20.0	C		7.1	1800
24960	W	35	34.779	104.884	2	08	04/04/77	14	23.0	20.0			7.3	1400
24961	W	35	34.756	104.842	2	08	04/04/77	15	23.0	20.0			7.4	2300
24963	W	35	34.916	104.855	2	08	04/05/77	11	23.0	19.0			7.5	2700
24964	W	35	34.913	104.537	2	08	04/05/77	11	23.0	19.0			7.3	2800
24965	W	35	34.911	104.955	2	08	04/05/77	11	25.0	21.0	C		7.3	2800
24970	W	35	34.943	104.932	2	08	04/05/77	12	25.0	21.0			7.5	950
24971	W	35	34.912	104.646	2	08	04/05/77	13	26.0	21.0			7.5	3100
24972	W	35	34.885	104.641	2	08	04/05/77	13	26.0	21.0	C		7.7	2700
24974	W	35	34.062	104.637	2	08	04/06/77	11	25.0	21.0	C		6.5	2000
24975	W	35	34.007	104.582	2	08	04/06/77	11	26.0	21.0	C		7.4	3100
24978	W	35	34.066	104.576	2	08	04/06/77	12	27.0	25.0			7.2	3400

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-DP (FEET)	BATD (FEET)
2569	1		4						2	1				
2570	1		4						1	1				
2572	1		4						1	1				
24901	3	5	1	4	5	6	2	4	2	1				
24902	1	6					2	1	2	1	1	3		
24903	1	6					3	1	2	2	1	3		
24904	3	5					2	1	2	1	1	3		
24905	1	3					3	1	2	2	1	3		
24906	3	3					3	1	2	2	1	3		
24908	1	7					2	2	2	2	1	3		
24909	3	10					2	2	2	2	1	3		
24910	1	4					3	1	3	2	1	3		
24912	1	6					3	1	3	1	1	3		
24914	1	7	1	4			2	2	3	1				
24915	1	6	1	4			2	2	3	1				
24916	1	5					3	1	3	1	1	3		
24917	1	6	1	4	5	6	3	1	3	1				
24919	1	3					3	1	2	1	1	3	200	200
24920	1	9					2	1	2	1	1	3		
24921	1	9					2	1	2	1	1	3		
24923	3	7					2	1	2	1	1	3		
24924	1	4					2	1	2	1	1	3		
24925	3	6					2	1	2	1	1	3		
24926	1	6					3	1	2	2	1	3		
24928	1	1					3	1	2	2	1	3		
24929	1	10					3	1	2	1	3	1		
24930	1	9					3	1	3	1	1	3		
24931	3	3					2	1	3	1	3	3		
24932	1	9					3	1	2	1	1	3		
24934	3	9					3	1	2	1	1	3		
24939	1	5					2	1	3	1	1	3		
24940	1	5					2	2	2	1	1	3		
24941	1	4					3	1	3	1	3	4		
24944	1	4					3	1	3	2	1	3		
24945	1	5					3	1	3	1	1	3		
24946	3	5					3	1	3	1	3	3		
24949	1	4	1	6	5	6	3	3	3	2				
24951	1	5	1	4	4	4	4	1	2	1				
24953	1	5					3	1	2	1	1	3		
24954	1	7					3	1	2	1	1	3		
24956	1	8					3	1	2	1	1	3	120	
24957	1	11					3	1	2	1	1	3	120	
24958	1	6					3	1	2	1	1	3	115	
24959	1	6					3	1	2	1	1	3	115	
24960	1	6					3	1	2	1	1	3	140	
24961	1	6					3	1	2	1	1	3	115	
24963	1	7					3	1	3	1	1	3	80	
24964	1	13					3	1	3	1	1	3	80	
24965	1	8					3	1	3	1	1	3	80	
24970	1	8					3	1	3	1	1	3	90	
24971	1	7					3	1	3	1	1	3	120	
24972	1	8					3	1	3	1	1	3	120	
24974	1	11					3	1	2	1	1	3		
24975	1	4					3	1	2	1	1	3	120	
24978	1	5					3	1	2	1	3	1	90	

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
2569	9.30	<2	<10	257	38	<1	520.4	<30	<2	<4	<2	57	0.2	6	28.1
2570	22.30	<2	356	256	30	<1	1199.0	<30	<2	<4	52	267	1.4	13	69.2
2572	28.62	<2	<10	409	10	<1	1082.0	<30	<2	<4	<2	727	2.4	27	147.4
24901	13.06	<2	206	455	237	<1	2432.0	63	2	5	46	130	13.6	111	295.6
24902		<2	484	1822	71	<1	2963.0	<30	<2	<4	64	3470	15.7	249	716.6
24903	6.28	<2	148	520	71	<1	596.1	<30	<2	<4	34	244	9.0	128	130.8
24904	23.69	5	335	516	55	<1	1515.0	<30	5	14	66	220	18.6	377	323.0
24905	2.72	7	<10	123	34	<1	88.9	86	17	24	13	66	1.7	30	19.7
24906	6.66	<2	219	895	74	<1	1496.0	<30	<2	<4	21	202	12.9	149	438.7
24908	10.43	<2	244	1330	58	<1	1786.0	<30	<2	<4	49	556	11.4	238	731.2
24909	18.04	<2	301	1763	292	<1	1927.0	<30	4	6	35	179	20.9	266	807.2
24910	4.44	3	<10	653	27	<1	316.4	74	6	22	<2	106	2.0	83	100.0
24912	4.18	<2	273	1214	27	<1	1043.0	63	<2	16	27	299	7.4	137	526.0
24914		<2	538	2455	52	<1	897.1	<30	<2	4	40	239	28.7	603	2374.0
24915		<2	1048	5151	110	<1	1930.0	50	<2	<4	79	467	50.3	703	3478.0
24916		6	24	686	23	<1	1002.0	97	9	19	3	66	6.8	105	326.3
24917		<2	559	2951	40	<1	1171.0	<30	<2	<4	25	227	21.7	510	3478.0
24919		<2	989	1845	179	<1	3619.0	<30	<2	<4	53	834	12.2	247	736.9
24920	1.02	6	602	2079	25	<1	1318.0	110	8	14	45	456	10.3	199	644.2
24921	20.79	<2	1535	1195	256	<1	2774.0	<30	<2	8	110	2366	21.8	236	675.0
24923	3.60	7	550	384	54	<1	1044.0	<30	<2	5	45	335	8.0	74	205.5
24924	3.12	6	25	302	32	<1	862.5	35	<2	7	10	96	2.5	68	182.0
24925		4	343	774	101	<1	2383.0	78	11	26	28	456	4.0	156	491.9
24926		<2	1742	1220	106	<1	1571.0	<30	<2	10	33	1038	9.5	128	371.6
24928		<2	2921	1677	109	<1	1836.0	<30	<2	<4	9	1770	16.4	180	1225.0
24929		<2	2188	1738	63	<1	4194.0	<30	2	<4	154	24745	21.9	269	448.2
24930		<2	855	799	37	<1	1980.0	<30	<2	<4	69	1519	12.4	62	259.5
24931		3	157	248	107	<1	301.9	39	4	13	23	156	8.5	51	61.0
24932		<2	957	568	113	<1	571.6	<30	<2	<4	44	1058	6.6	121	134.8
24934		<2	13	215	90	<1	217.3	<30	<2	<4	4	141	2.5	69	55.6
24939		<2	1009	4883	133	<1	1755.0	<30	<2	<4	49	531	195.6	1485	3797.0
24940		<2	1656	935	213	<1	1058.0	<30	7	<4	288	1370	9.5	308	285.9
24941		4	1066	2666	365	<1	4196.0	81	7	35	63	1492	19.0	246	914.1
24944		<2	1775	15757	160	<1	520.5	<30	7	22	52	1957	22.2	343	159.0
24945		<2	778	592	154	<1	2946.0	<30	<2	<4	42	1106	6.8	79	264.3
24946		11	820	982	218	<1	4663.0	76	24	64	69	388	15.3	65	418.1
24949		<2	1127	3219	32	<1	2074.0	<30	<2	<4	37	529	50.3	321	3767.0
24951		<2	989	505	119	<1	3777.0	<30	<2	<4	73	486	11.3	43	261.3
24953		157	<10	8	<2	4	650.6	1860	219	497	<2	<10	<0.1	13	106.7
24954		148	<10	54	<2	4	909.5	1742	224	485	<2	<10	<0.1	76	271.0
24956		7	599	761	88	<1	1011.0	<30	10	25	21	457	10.6	99	256.8
24957		7	207	142	25	<1	125.8	128	<2	41	24	173	4.4	37	49.6
24958		4	1342	189	873	<1	185.2	<30	8	12	63	971	12.8	131	101.5
24959		4	649	199	40	<1	434.5	64	7	16	19	429	5.5	49	135.2
24960		<2	346	138	73	<1	295.5	<30	<2	14	2	253	4.6	53	93.3
24961		<2	292	341	27	<1	664.7	<30	<2	<4	19	359	6.4	90	156.9
24963		<2	203	489	35	<1	1788.0	<30	<2	<4	89	146	7.2	74	200.3
24964		8	1159	622	67	<1	3170.0	65	9	12	279	816	12.2	60	230.0
24965		<2	206	550	39	<1	3024.0	<30	4	<4	35	157	4.3	57	234.0
24970		2	178	403	112	<1	957.6	92	15	21	141	602	3.4	69	181.5
24971		12	975	544	46	<1	1952.0	166	10	35	104	489	12.4	39	238.2
24972		<2	939	2003	165	<1	8266.0	<30	5	30	146	691	12.6	97	728.5
24974		11	428	604	56	1	7599.0	140	19	76	80	986	5.9	50	341.6
24975		<2	4927	1617	142	<1	6047.0	<30	<2	<4	203	3042	31.8	70	332.2
24978		7	336	407	32	<1	2486.0	145	7	35	53	426	4.8	31	154.6

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
2569	20	<4	10.2	14	<40	<1	18.8	1647	<2	39	<1	307	<2
2570	37	24	23.8	<4	<40	14	17.6	4071	59	16	1	387	<2
2572	27	14	68.4	31	<40	<1	17.0	4462	<2	17	<1	300	<2
24901	360	7	344.5	32	72	3	23.7	32668	34	16	2	101	17
24902	156	8	1351.0	32	<40	5	39.2	46020	50	<4	2	3671	4
24903	18	30	223.7	<4	<40	<1	61.3	7411	7	117	<1	165	<2
24904	46	38	127.1	10	<40	1	27.0	21466	19	113	4	446	18
24905	2	11	47.6	15	<40	<1	17.5	999	<2	57	3	60	14
24906	227	<4	75.9	4	<40	1	16.7	18891	19	<4	<1	56	<2
24908	57	<4	69.9	22	<40	1	4.8	28530	24	<4	<1	114	<2
24909	62	24	80.8	30	<40	3	26.6	34143	30	16	3	63	<2
24910	21	28	77.9	<4	<40	<1	16.7	4496	<2	18	3	1835	6
24912	44	22	254.7	15	<40	1	18.7	17081	16	6	4	253	5
24914	495	47	1203.0	<4	<40	5	6.3	21315	27	<4	3	66	9
24915	1081	159	2383.0	36	<40	8	13.1	44888	54	<4	2	164	11
24916	29	<4	77.1	<4	<40	<1	16.2	16190	7	16	2	20	25
24917	156	<4	3090.0	<4	<40	1	1.9	20489	23	<4	2	169	3
24919	82	4	134.0	40	<40	1	39.6	37211	49	<4	7	277	3
24920	41	9	165.5	17	<40	2	10.5	15961	20	10	5	74	4
24921	130	10	323.6	41	<40	10	55.8	38948	75	72	4	165	6
24923	40	<4	30.8	15	<40	8	18.2	13886	32	39	2	160	8
24924	20	<4	29.7	<4	<40	<1	16.0	11712	8	28	1	21	<2
24925	60	11	67.7	18	<40	<1	41.9	34383	19	95	7	60	15
24926	141	18	55.7	5	58	1	37.9	25094	32	54	2	576	<2
24928	126	<4	176.1	<4	<40	<1	26.1	28655	43	24	<1	335	<2
24929	1142	9	68.7	5	157	36	33.3	37192	147	<4	5	466	2
24930	609	14	39.6	<4	<40	15	20.7	18684	60	<4	3	304	3
24931	10	24	73.9	<4	<40	1	10.3	3163	9	32	3	70	14
24932	44	11	111.1	<4	<40	<1	34.4	6715	8	18	<1	78	<2
24934	13	<4	46.0	14	<40	<1	37.8	3086	<2	106	<1	60	<2
24939	365	421	1793.0	<4	<40	3	4.6	58840	38	<4	2	228	3
24940	204	<4	109.8	18	66	<1	79.4	14339	24	18	<1	3597	<2
24941	142	27	608.7	21	<40	1	118.0	69472	59	18	9	375	25
24944	961	45	3902.0	85	94	2	39.3	8743	41	22	3	3543	13
24945	69	<4	37.1	<4	<40	7	71.9	30278	53	31	<1	647	<2
24946	201	43	57.0	15	<40	14	29.7	39674	90	175	13	162	23
24949	155	89	1964.0	<4	<40	2	16.3	52534	38	22	1	266	18
24951	552	<4	109.5	<4	<40	15	30.3	37439	82	<4	<1	907	<2
24953	<2	196	13.5	142	493	<1	27.4	8462	<2	369	64	41	286
24954	<2	185	94.2	161	510	<1	<0.1	17293	<2	334	62	<4	263
24956	100	53	84.7	5	43	1	43.9	18265	18	70	3	274	<2
24957	14	9	17.3	16	51	<1	26.8	2833	4	65	3	103	31
24958	60	5	29.9	71	115	<1	98.9	4318	9	270	3	229	8
24959	43	10	25.9	7	<40	3	21.5	7402	18	21	3	100	4
24960	76	<4	35.2	8	67	<1	20.4	4948	4	<4	1	71	8
24961	180	<4	52.2	<4	<40	4	20.1	10476	18	<4	<1	145	<2
24963	22	21	30.4	8	<40	2	16.7	16432	24	<4	<1	337	<2
24964	72	26	19.9	57	105	17	24.2	21357	82	6	5	667	<2
24965	47	<4	21.1	<4	<40	1	21.3	20709	34	<4	3	288	7
24970	244	13	40.0	61	78	<1	45.6	7399	<2	14	6	4825	3
24971	46	21	47.1	14	<40	17	22.6	22488	66	56	6	1137	11
24972	787	21	106.7	92	<40	8	90.5	86806	140	22	10	8523	9
24974	64	34	45.9	106	2352	<1	43.3	32475	94	104	14	2915	37
24975	140	20	38.3	22	<40	50	10.0	29497	250	<4	<1	406	<2
24978	27	45	32.7	17	<40	4	17.1	15743	41	40	8	3277	12

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
24979	W	35	34.055	104.600	2	08	04/06/77	13	28.0	23.0			7.3	2900
24980	P	35	34.057	104.602	2	06	04/06/77	13	28.0	28.0			7.3	4300
24982	W	35	34.078	104.592	2	08	04/06/77	13	28.0	25.0	C		8.1	3000
24987	W	35	34.056	104.700	2	08	04/06/77	15	30.0	23.0	C		7.3	2800
24989	W	35	34.086	104.722	2	08	04/06/77	15	30.0	23.0	C		7.3	3900
24991	W	35	34.113	104.710	2	08	04/06/77	15	31.0	26.0	C		7.5	4000
24995	W	35	34.022	104.725	2	08	04/06/77	16	28.0	23.0	C		8.0	5950
24997	W	35	34.015	104.657	2	08	04/06/77	16	28.0	25.0	C		7.4	2900
24999	W	35	34.584	104.952	2	08	04/23/77	15	28.0	25.0			8.1	600
25000	W	35	34.142	104.520	2	08	04/07/77	10	24.0	23.0	C		7.9	4300
25001	W	35	34.943	104.601	2	08	05/13/77	21	23.0	25.0	C		8.3	1100
25003	W	35	34.075	104.836	2	08	04/07/77	11	32.0	25.0	C		8.4	1100
25004	W	35	34.056	104.987	2	08	04/07/77	12	33.0	24.0	C		8.3	1100
25005	W	35	34.033	104.969	2	08	04/07/77	11	31.0	25.0	C		7.8	3400
25014	W	35	34.111	104.916	2	08	04/07/77	11	27.0	25.0	C		7.7	1100
25016	W	35	34.085	104.944	2	08	04/07/77	12	29.0	26.0	C		8.3	1100
25018	W	35	34.149	104.927	2	08	04/07/77	14	33.0	27.0	C		7.5	3000
25019	W	35	34.158	104.999	2	08	04/07/77	14	33.0	27.0	C		7.7	2700
25020	W	35	34.174	104.993	2	08	04/07/77	14	33.0	26.0	C		8.2	4300
25022	W	35	34.207	104.973	2	08	04/07/77	14	32.0	21.0	C		7.4	4100
25024	W	35	34.158	104.540	2	08	04/07/77	13	31.0	26.0	C		8.3	6600
25025	W	35	34.225	104.927	2	08	04/07/77	13	31.0	27.0	C		7.8	6700
25027	W	35	34.191	104.589	2	08	04/13/77	16	22.0	23.0			7.2	4100
25031	W	35	34.116	104.950	2	08	04/07/77	14		26.0	C		8.1	2000
25032	W	35	34.117	104.659	2	08	04/07/77	14		28.0	C		8.3	1100
25033	W	35	34.126	104.893	2	08	04/07/77	14		26.0	C		9.7	1300
25034	W	35	34.133	104.845	2	08	04/11/77	6	19.0	17.0	C		9.3	1700
25036	W	35	34.208	104.774	2	08	04/11/77	7	20.0	19.0	C		7.3	3000
25037	W	35	34.217	104.761	2	08	04/11/77	7	20.0	19.0			7.3	2900
25039	W	35	34.216	104.782	2	08	04/11/77	7	20.0	20.0	C		7.5	1400
25041	W	35	34.245	104.765	2	08	04/11/77	7	23.0	20.0			7.7	3500
25042	W	35	34.246	104.808	2	08	04/11/77	8	23.0	21.0	C		8.0	400
25043	W	35	34.199	104.848	2	08	04/11/77	8	23.0	22.0	C		7.7	600
25049	W	35	34.187	104.642	2	08	04/13/77	8	20.0	20.0			7.6	3600
25050	W	35	34.222	104.664	2	08	04/13/77	9	26.0	23.0			7.5	3600
25054	W	35	34.172	104.641	2	08	04/13/77	10	28.0	24.0			6.8	5500
25056	W	35	34.165	104.592	2	08	04/13/77	11	28.0	24.0	C		7.6	3500
25057	W	35	34.156	104.580	2	08	04/13/77	11	28.0	26.0	C		7.5	3500
25058	W	35	34.136	104.592	2	08	04/13/77	12	28.0	29.0	C		6.9	3500
25059	W	35	34.125	104.592	2	08	04/13/77	12	28.0	26.0	C		7.1	4100
25060	W	35	34.107	104.606	2	08	04/13/77	12	28.0	27.0	C		7.7	3700
25061	W	35	34.157	104.612	2	08	04/13/77	13	26.0	25.5	C		7.7	5500
25066	W	35	34.188	104.551	2	08	04/13/77	15	27.0	24.0			8.2	4200
25067	W	35	34.213	104.666	2	08	04/13/77	15	26.0	23.0			7.3	3900
25068	W	35	34.227	104.639	2	08	04/13/77	16	24.0	24.0	C		7.9	4100
25069	W	35	34.231	104.568	2	08	04/13/77	16	25.0	23.0			8.2	3200
25070	W	35	34.230	104.595	2	08	04/13/77	16	24.0	23.0			7.4	3600
25071	W	35	34.452	104.677	2	08	03/12/77	8	20.0	18.0	C		7.6	2500
25072	W	35	34.472	104.515	2	08	04/12/77	8	20.0	19.0	C		7.3	1800
25073	W	35	34.465	104.536	2	08	04/12/77	9	22.0	21.0	C		7.4	2000
25074	W	35	34.467	104.524	2	08	04/12/77	9	22.0	21.0	C		7.6	1900
25076	W	35	34.443	104.512	2	08	04/16/77	13	23.0	21.0	C		7.4	1100
25077	W	35	34.447	104.537	2	08	04/16/77	10	23.0	23.0	C		8.0	1800
25080	W	35	34.415	104.665	2	08	04/16/77	11	24.0	22.5			7.6	1900
25081	W	35	34.392	104.556	2	08	04/16/77	11	24.0	23.0	C		8.1	2200

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEA	DIAM (INCHES)	W-DP (FEET)	BATO (FEET)
24979	1	3					3	1	2	1	1	3		
24980	1	9	1	1	5	6	3	2	2	1				
24982	1	8					3	1	2	1	1	3		
24987	1	10					3	1	2	1	1	3		
24989	1	6					3	2	2	1	1	3		
24991	1	11					3	1	2	1	1	3		
24995	1	8					3	1	2	1	1	3		
24997	1	11					3	1	3	1	1	3		
24999	1	8					3	2	2	1	1	3	75	
25000	1	12					2	1	2	1	1	3		
25001	1	7					3	1	3	1	1	3		
25003	1	8					3	1	3	1	3	3		
25004	1	5					3	1	3	1	1	3		
25005	1	8					3	1	3	1	1	3	75	
25014	1	7					3	1	3	1	1	3		
25016	1	7					3	1	3	1	1	3		
25018	1	8					3	1	3	1	1	3		
25019	1	7					3	1	3	1	3	3	790	
25020	1	8					3	1	3	1	3	3	750	
25022	1	6					3	1	3	1	1	3	792	
25024	1	6					3	1	3	1	1	3		
25025	1	6					3	1	3	1	3	3		
25027	1	8					3	1	2	4	1	3	40	
25031	1	8					3	1	3	1	3	4		
25032	1	10					3	1	3	1	1	3		
25033	1	9					3	5	3	1	3	3		
25034	1	8					3	5	2	1	3	3		
25036	1	7					3	1	3	1	1	3	290	
25037	1	8					3	1	3	1	1	3	190	
25039	1	7					3	1	3	1	1	3	150	
25041	1	7					3	1	3	1	1	3	55	
25042	1	8					3	1	3	1	1	3		
25043	1	7					3	1	2	1	3	3	50	
25049	1	11					3	1	2	1	1	3	65	
25050	1	9					3	1	2	1	1	3	75	
25054	1	10					3	1	2	1	1	3	40	
25056	1	8					3	1	2	1	1	3		
25057	1	7					3	1	2	1	1	3		
25058	1	7					3	1	2	1	1	3	50	
25059	1	7					3	1	2	1	3	3	50	
25060	1	11					3	1	3	2	1	3	150	
25061	1	7					3	1	2	2	1	3	44	
25066	1	7					3	1	2	4	1	3	64	
25067	1	10					3	1	2	4	1	3	48	
25068	1	7					3	1	2	4	1	3	80	
25069	1	9					3	1	3	4	1	3	85	
25070	1	10					3	1	3	4	1	3	115	
25071	1	10					3	1	2	1	1	3		
25072	1	7					3	1	2	1	1	3		
25073	1	8					3	1	2	1	1	3		
25074	1	8					3	1	2	2	1	3		
25076	1	10					3	1	2	4	1	3		
25077	1	6					3	1	2	3	1	3		
25080	1	11					3	1	2	3	1	3	120	
25081	1	6					3	1	2	3	1	3		

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	Fe	K	LI	MG
24979		68	539	790	83	2	7128.0	970	99	256	8	787	0.4	44	367.1
24980		35	<10	1654	49	1	8240.0	661	82	172	<2	854	<0.1	102	1165.0
24982		<2	4166	1016	178	<1	8175.0	<30	<2	<4	177	4042	22.9	61	343.4
24987		<2	794	1135	79	<1	4553.0	105	5	26	41	564	10.3	50	381.4
24989		318	<10	254	<2	9	4356.0	3806	439	1015	<2	4296	<0.1	18	354.1
24991		19	2079	1366	73	<1	3584.0	316	40	88	182	448	27.1	104	416.5
24995		16	247	687	40	<1	1923.0	248	15	67	18	60	6.4	46	264.1
24997		<2	2109	1027	109	<1	6713.0	<30	10	17	37	2359	7.3	56	373.8
24999		5	1131	728	457	<1	1462.0	51	11	35	61	1861	11.9	46	148.4
25000		<2	4190	1278	205	<1	8566.0	<30	<2	<4	130	3716	22.1	73	814.4
25001		<2	841	4573	486	<1	2204.0	<30	<2	<4	44	1320	7.0	196	269.4
25003		<2	825	282	65	<1	1335.0	<30	<2	<4	<2	956	2.3	18	105.2
25004		44	256	342	68	1	3510.0	589	75	170	<2	1394	<0.1	21	215.1
25005		<2	399	815	38	<1	1469.0	<30	<2	<4	17	329	8.1	100	357.6
25014		<2	1448	337	113	<1	872.1	<30	<2	<4	7	1110	4.6	82	132.2
25016		4	5777	1610	1034	<1	1792.0	32	5	40	88	3616	14.6	371	306.8
25018		3	539	471	43	<1	1916.0	44	8	<4	22	455	3.2	56	192.7
25019		<2	830	667	57	<1	3044.0	<30	<2	<4	8	917	1.9	68	273.6
25020		<2	1851	848	210	<1	3210.0	56	<2	16	31	1839	2.4	57	248.3
25022		<2	161	412	23	<1	2178.0	<30	<2	<4	<2	339	<0.1	29	144.5
25024		<2	1741	2110	260	<1	5388.0	<30	<2	<4	63	1445	15.8	63	341.7
25025		4	4917	2512	994	<1	4583.0	172	24	40	56	3726	12.5	50	259.9
25027		19	604	5617	191	<1	7546.0	473	48	116	<2	2774	<0.1	127	1725.0
25031		<2	10540	1720	732	<1	7998.0	57	17	16	250	9217	29.3	71	413.0
25032		<2	870	523	204	<1	1956.0	<30	15	<4	17	1382	3.2	33	164.3
25033		<2	1552	1131	961	<1	1319.0	<30	<2	<4	58	790	3.6	27	101.9
25034		19	201	301	348	<1	1411.0	238	41	69	9	324	3.3	26	106.0
25036		3	1663	1165	51	<1	5265.0	292	18	78	<2	4220	<0.1	34	364.1
25037		<2	1589	1571	161	<1	6661.0	<30	<2	<4	103	910	10.9	46	382.6
25039		28	<10	1342	76	1	5156.0	451	56	143	<2	508	<0.1	35	369.5
25041		9	828	2427	933	<1	4205.0	214	46	58	<2	1330	<0.1	52	414.3
25042		<2	37	186	293	<1	830.2	<30	<2	<4	3	329	1.1	10	40.1
25043		6	1454	310	234	<1	637.1	65	17	29	<2	1817	0.4	24	50.6
25049	11.24	7	986	641	63	<1	1319.0	159	5	26	25	746	8.0	119	218.5
25050	49.16	<2	517	867	42	<1	1582.0	<30	<2	10	17	516	9.5	96	364.2
25054	20.26	<2	942	1345	55	<1	1866.0	<30	<2	<4	76	823	10.0	156	686.0
25056	12.64	3	519	799	78	<1	2347.0	44	<2	20	39	410	10.8	92	307.5
25057	23.30	11	942	887	51	<1	2179.0	58	6	45	40	839	10.4	91	410.1
25058	5.94	<2	465	1567	53	<1	2750.0	<30	<2	<4	19	808	1.9	51	235.5
25059	9.12	<2	574	1955	55	<1	3445.0	<30	<2	35	33	813	6.3	76	451.6
25060	56.08	<2	648	882	102	<1	3571.0	<30	<2	9	58	684	3.8	56	230.5
25061	26.92	<2	2333	4380	215	<1	6355.0	<30	5	<4	82	2414	17.8	121	1189.0
25066	20.48	<2	1914	2863	65	<1	3344.0	<30	11	4	<2	2244	2.0	103	837.1
25067	19.81	11	4297	4483	110	<1	6030.0	192	36	63	198	3586	32.3	103	1049.0
25068	3.08	<2	27	5178	27	<1	4613.0	236	24	64	<2	976	<0.1	56	950.6
25069	6.46	<2	5890	2221	355	<1	3755.0	<30	<2	<4	455	2052	58.3	95	418.7
25070	1.56	<2	239	3274	31	<1	2012.0	<30	<2	<4	3	1069	4.1	102	660.7
25071	3.54	<2	1089	1202	88	<1	3115.0	94	12	<4	60	1590	2.7	62	535.0
25072	1.26	<2	535	443	180	<1	1146.0	<30	<2	<4	97	144	18.2	41	147.3
25073	7.24	5	1679	634	334	<1	1279.0	98	3	14	105	1305	19.8	72	223.9
25074		<2	25593	1280	883	<1	1769.0	<30	4	26	192	12947	44.7	1418	518.4
25076		<2	827	760	190	<1	748.6	<30	<2	<4	201	1082	9.8	330	220.5
25077	3.26														
25080	5.30	3	138	299	22	<1	579.3	103	8	22	18	146	1.5	74	138.8
25081	10.16	<2	460	2270	50	<1	950.7	<30	<2	<4	31	470	5.0	120	279.2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
24979	118	141	29.4	55	233	<1	47.3	32575	232	188	42	3610	155
24980	1435	76	107.8	81	<40	<1	56.7	53938	4	112	28	80	114
24982	774	<4	22.4	<4	<40	30	19.3	40813	243	<4	<1	6535	<2
24987	91	28	43.1	41	122	4	45.8	30328	84	28	7	8551	<2
24989	54	403	115.4	301	934	<1	28.2	32730	<2	695	134	15308	591
24991	107	254	47.2	74	<40	41	22.4	25973	151	56	16	526	24
24995	29	17	1219.0	10	<40	4	8.0	18282	31	46	10	30	32
24997	293	21	22.9	31	<40	1	33.7	40731	100	22	9	876	2
24999	136	6	22.6	356	710	<1	5.7	16007	21	20	9	1624	3
25000	540	51	34.7	106	399	13	74.7	70405	211	<4	1	5720	<2
25001	123	281	1750.0	160	212	<1	102.1	20802	7	598	1	1321	<2
25003	84	31	12.8	16	593	<1	25.5	6894	13	13	<1	314	<2
25004	134	65	19.4	126	133	<1	38.1	23484	26	104	24	2340	96
25005	51	12	97.1	<4	<40	1	20.4	24531	23	<4	<1	1840	<2
25014	64	12	46.0	12	<40	<1	37.7	7678	11	<4	<1	684	<2
25016	165	42	58.5	143	1379	<1	21.6	17284	108	33	7	2870	13
25018	37	41	32.0	15	<40	1	12.8	19192	30	<4	1	378	3
25019	93	51	39.4	25	<40	<1	32.8	29013	32	<4	3	1040	<2
25020	169	49	735.2	26	138	<1	14.8	26289	63	8	6	1809	7
25022	68	17	136.6	12	<40	<1	22.9	15752	14	<4	<1	1034	<2
25024	502	50	7606.0	40	40	8	21.4	36255	106	<4	1	5039	<2
25025	263	56	5787.0	115	149	7	45.2	28038	178	16	14	6906	13
25027	129	235	128.0	61	<40	<1	74.5	74166	39	166	20	1579	71
25031	362	30	26.9	134	803	47	42.5	40825	410	12	13	5060	9
25032	76	26	21.1	37	109	<1	41.0	10597	33	16	3	971	8
25033	31	<4	15.4	24	227	<1	11.3	6946	78	<4	<1	5030	<2
25034	27	31	16.2	69	438	<1	5.8	7650	16	44	11	426	31
25036	162	28	7.9	59	212	<1	60.8	25442	70	137	17	829	54
25037	103	11	6.2	101	<40	19	103.2	28586	155	241	2	2167	<2
25039	33	49	7.5	65	116	<1	95.7	29621	3	366	22	754	80
25041	30	25	37.6	59	522	<1	74.9	29352	53	255	11	5232	43
25042	41	8	8.5	<4	46	<1	42.7	2611	<2	88	<1	499	<2
25043	157	36	7.3	37	93	<1	20.6	4212	15	134	5	364	34
25049	61	28	118.6	14	<40	<1	2.3	17786	26	23	7	80	23
25050	102	13	104.9	<4	<40	1	9.0	26118	27	19	4	97	9
25054	39	21	707.8	9	<40	6	2.7	33135	50	51	<1	263	<2
25056	129	83	50.7	23	<40	3	18.1	36280	44	31	4	120	15
25057	131	51	59.7	30	<40	5	12.1	33482	52	68	7	137	33
25058	40	8	44.1	45	<40	<1	23.3	27776	37	37	6	289	<2
25059	51	64	120.4	<4	<40	<1	31.4	28503	65	71	8	1083	32
25060	64	120	36.6	33	101	2	23.4	29665	73	<4	3	843	<2
25061	836	55	109.7	40	<40	7	7.3	64731	156	<4	10	583	26
25066	135	68	87.5	32	<40	<1	20.1	39354	65	16	7	239	7
25067	510	104	65.4	99	<40	43	50.9	43943	249	30	18	1911	22
25068	85	90	39.7	23	<40	<1	26.5	40742	50	<4	14	390	49
25069	179	<4	23.2	254	<40	105	33.6	29844	376	59	<1	3295	<2
25070	285	66	67.7	5	<40	<1	24.9	29608	22	<4	<1	363	<2
25071	225	16	27.7	219	101	2	10.8	35914	66	<4	4	1409	7
25072	29	<4	22.9	115	600	20	19.6	9084	67	11	<1	92	<2
25073	178	18	51.8	193	1220	13	30.5	13565	69	60	4	1588	<2
25074	506	32	373.9	436	2275	4	73.5	28013	353	74	10	922	18
25076	334	45	173.8	305	679	<1	18.7	13207	13	44	<1	683	<2
25077													
25080	20	23	68.4	37	<40	<1	26.8	8347	7	70	4	130	9
25081	50	14	145.5	49	266	<1	19.3	21152	17	<4	<1	181	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
25083	W	35	34.347	104.540	2	08	04/16/77	11	26.0	31.0	C		7.0	1000
25084	W	35	34.309	104.542	2	08	04/16/77	12	26.0	24.0			8.1	2700
25086	W	35	34.281	104.541	2	08	04/16/77	12	27.0	24.0			7.8	2100
25089	W	35	34.282	104.579	2	08	04/16/77	13	27.0	25.0			8.3	3300
25090	W	35	34.294	104.605	2	08	04/16/77	13	28.0	24.0			8.3	3600
25092	W	35	34.335	104.687	2	08	04/16/77	14	27.0	25.0			8.1	2200
25093	W	35	34.361	104.681	2	08	04/16/77	15	26.0	23.0			7.6	2900
25095	W	35	34.411	104.669	2	08	04/16/77	16	24.0	27.0			8.3	2500
25096	W	35	34.402	104.728	2	08	04/16/77	17	24.0	20.0			6.5	3000
25097	W	35	34.404	104.695	2	08	04/16/77	17	24.0	23.0			7.6	2900
25098	W	35	34.368	104.737	2	08	04/16/77	17	23.0	20.0	C		6.8	2700
25099	W	35	34.432	104.654	2	08	04/12/77	16	22.0	19.0	C		7.7	2000
25100	W	35	34.448	104.681	2	08	04/12/77	16	23.0	23.0	C		7.4	1800
25101	W	35	34.356	104.687	2	08	04/17/77	8	23.0	19.0			7.3	3000
25102	W	35	34.383	104.656	2	08	04/17/77	8	23.0	19.5			7.6	2800
25103	W	35	34.327	104.746	2	08	04/17/77	4	23.0	21.0			6.9	2700
25104	W	35	34.326	104.731	2	08	04/17/77	10	25.0	23.0			7.3	3700
25105	W	35	34.321	104.663	2	08	04/17/77	10	27.0	24.0			7.4	3300
25106	W	35	34.321	104.664	2	08	04/17/77	10	25.0	21.0	C		7.1	2800
25108	W	35	34.353	104.649	2	08	04/17/77	11	26.0	21.0	C		7.3	3000
25109	W	35	34.271	104.708	2	08	04/17/77	12	28.0	23.0			8.0	3700
25111	W	35	34.256	104.642	2	08	04/17/77	13	29.0	26.0			8.0	4200
25113	W	35	34.301	104.658	2	08	04/17/77	13	28.0	23.0			7.3	3100
25116	W	35	34.551	104.795	2	08	04/17/77	15	23.0	24.0	C		7.4	2650
25119	W	35	34.603	104.859	2	08	04/17/77	16	25.0	24.0	C		7.2	3300
25120	W	35	34.558	104.803	2	08	04/17/77	16	24.0	23.0	C		7.1	3000
25121	W	35	34.598	104.763	2	08	05/13/77	20	26.0	26.0			6.8	490
25123	W	35	34.593	104.736	2	08	04/17/77	16	23.0	22.0	C		7.3	3000
25124	W	35	34.560	104.762	2	08	04/17/77	17	23.0	20.0	C		7.0	4500
25125	W	35	34.436	104.662	2	08	04/17/77	17	22.0	20.0	C		7.1	2200
25126	W	35	34.384	104.629	2	08	04/17/77	18	19.0	17.0	C		7.3	3000
25127	W	35	34.423	104.630	2	08	04/17/77	18	17.0	16.0	C		7.5	3100
25128	W	35	34.808	104.544	2	08	04/19/77	14	25.0	23.0			7.5	900
25132	W	35	34.595	104.553	2	08	05/13/77	20	26.0	23.0	C		9.8	1400
25133	W	35	34.675	104.667	2	08	04/18/77	8	18.0	16.0			6.9	2700
25134	W	35	34.668	104.678	2	08	04/18/77	9	18.0	15.0			6.8	2700
25136	W	35	34.660	104.714	2	08	04/18/77	9	17.0	15.5	C		7.1	3000
25137	W	35	34.691	104.656	2	08	04/19/77	12	24.0	19.0	C		7.1	2000
25138	W	35	34.711	104.654	2	08	04/19/77	11	23.0	19.0	C		7.4	2000
25139	W	35	34.716	104.742	2	08	04/19/77	11	26.0	23.0	C		7.4	2200
25140	W	35	34.702	104.728	2	08	04/19/77	10	26.0	24.0	C		7.3	2300
25141	W	35	34.732	104.667	2	08	04/19/77	10	23.0	19.0	C		7.3	1700
25142	P	35	34.852	104.503	2	06	04/20/77	12	23.0	20.0			7.5	2700
25144	W	35	34.877	104.547	2	08	04/20/77	12	24.0	19.0	C		8.3	1200
25148	W	35	34.912	104.532	2	08	04/20/77	13	26.0	23.0	C		7.4	1700
25149	W	35	34.507	104.522	2	08	05/13/77	20	25.0	26.0	C		6.9	550
25151	W	35	34.947	104.557	2	08	04/20/77	14	27.0	24.0	C		6.5	600
25152	W	35	34.924	104.548	2	08	04/20/77	15	27.0	23.0	C		7.3	600
25153	W	35	34.925	104.563	2	08	04/20/77	15	27.0	23.0	C		7.4	750
25154	W	35	34.960	104.543	2	08	04/20/77	15	27.0	24.0	C		7.3	900
25155	W	35	34.959	104.547	2	08	04/20/77	15	27.0	22.0	C		7.3	950
25157	W	35	34.801	104.549	2	08	04/19/77	14	25.0	22.0			7.5	900
25158	W	35	34.955	104.522	2	08	04/20/77	16	28.0	25.0	C		6.8	800
25159	W	35	34.991	104.436	2	08	04/20/77	16	28.0	25.0	C		7.3	1200
25163	W	35	34.937	104.462	2	08	04/20/77	17	26.0	25.0	C		7.4	1600

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMI	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TREE	DIAM (INCHES)	W-DP (FEET)	WATD (FEET)
25083	1	8					3	1	2	2	1	3	100	
25084	1	10					3	1	3	2	1	3	120	
25086	1	8					3	1	3	2	1	3	150	
25089	1	10					3	1	2	2	1	3	165	
25090	1	8					3	1	2	2	1	3	125	
25092	1	11					3	1	2	2	1	3	130	
25093	1	8					3	1	2	2	1	3	125	
25095	1	9					3	1	2	4	1	3	130	
25096	1	7					3	1	2	1	1	3	105	
25097	1	7					3	1	2	1	1	3	150	
25098	1	10					3	1	2	1	1	3		
25099	1	9					3	1	2	4	1	3		
25100	1	8					3	1	2	4	3	3		
25101	1	6					3	1	3	1	1	3		
25102	1	7					3	1	3	1	1	3		
25103	1	11					3	1	3	1	1	3	75	
25104	1	11					3	1	3	1	3	3	100	
25105	1	8					3	1	3	1	1	3	80	
25106	1	8					3	1	3	1	1	3	65	
25108	1	7					3	1	2	1	1	3		
25109	1	8					3	1	2	1	1	3	150	
25111	1	12					3	5	2	1	1	3	140	
25113	1	10					3	1	3	1	1	3	140	
25116	1	8					3	1	3	3	1	3		
25119	1	7					3	1	2	3	1	3		
25120	1	10					3	1	3	3	1	3		
25121	1						3	1	3	1	3	3		
25123	1	10					3	1	3	3	1	3		
25124	1	8					3	1	3	3	1	3		
25125	1	12					3	1	3	3	1	3		
25126	1	7					3	1	2	2	1	3		
25127	1	10					3	1	2	3	1	3		
25128	3	6					3	1	2	2	3	1		
25132	1	7					3	1	3	1	1	3		
25133	1	7					3	1	3	3	3	2	115	
25134	1	8					3	1	2	4	1	3	125	
25136	1	7					3	1	3	4	1	3		
25137	1	8					3	1	2	4	1	3		
25138	1	10					3	1	2	4	1	3		
25139	1	10					3	1	2	4	1	3		
25140	1	11					3	1	2	3	1	3		
25141	1	7					3	1	2	4		3		
25142	1	8	1	4	5	4	3	2	2	2				
25144	1	7					3	1	2	2	1	3	80	
25148	1	8					3	1	3	2	1	3		
25149	1						3	1	3	1	1	3		
25151	1	8					3	1	3	2	1	3		
25152	1	11					3	1	3	2	1	3		
25153	1	10					3	1	2	2	1	3		
25154	1	10					3	1	3	2	1	3		
25155	1	9					3	1	3	2	1	3		
25157	1	10					3	1	2	2	3	2		
25158	1	11					3	1	3	2	1	3		
25159	1	8					3	1	3	1	1	3		
25163	1	8					3	1	3	1	1	3		

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	Fe	K	LI	MG
25083	3.34	<2	<10	166	67	<1	244.4	<30	<2	<4	<2	<10	2.5	84	76.4
25084	11.16	<2	143	1063	53	<1	2400.0	<30	<2	<4	5	400	2.2	94	471.9
25086	23.48	2	765	2807	167	<1	2729.0	<30	<2	5	64	426	13.2	125	713.7
25089	30.96														
25090	1.00	<2	1806	5188	110	<1	4218.0	<30	<2	<4	209	1617	13.9	107	1265.0
25092	59.39	<2	<10	3154	6	<1	952.7	<30	<2	<4	<2	<10	1.2	242	766.3
25093		<2	716	4395	32	<1	1027.0	<30	<2	<4	91	210	21.8	426	882.1
25095	7.72	<2	895	1037	109	<1	3317.0	<30	8	23	77	974	3.9	93	496.6
25096		<2	3629	4431	295	<1	6656.0	169	20	77	247	3757	31.0	160	1809.0
25097	14.52	<2	846	1440	78	<1	5381.0	<30	<2	<4	63	929	1.9	49	600.2
25098	7.61	<2	4056	1077	162	<1	5903.0	<30	<2	<4	311	2971	44.7	79	418.9
25099	21.41	<2	1697	1440	122	<1	4451.0	<30	<2	<4	77	2233	2.7	143	730.0
25100	19.07														
25101	10.00	<2	11482	2385	255	<1	3339.0	<30	5	<4	16	12217	19.0	97	657.0
25102	4.18	<2	7781	1316	158	<1	2444.0	<30	8	15	<2	7826	7.4	78	390.4
25103	18.80	<2	1668	904	86	<1	5249.0	<30	<2	<4	112	1196	14.6	214	457.4
25104	22.34	<2	1550	1895	79	<1	3573.0	<30	<2	<4	108	829	16.3	68	650.0
25105	33.30	<2	<10	775	26	<1	2701.0	<30	<2	<4	<2	227	<0.1	30	344.3
25106	15.20	103	<10	348	<2	2	3442.0	1288	134	356	<2	42	<0.1	29	328.0
25108	15.44	<2	2209	771	87	<1	4575.0	<30	<2	<4	92	2372	11.3	83	450.4
25109	19.68	<2	412	1223	50	<1	1617.0	<30	<2	4	26	69	5.5	53	420.8
25111	22.36	<2	2493	4561	268	<1	6682.0	<30	<2	<4	188	1691	28.2	151	1473.0
25113	17.84	256	977	2206	39	5	4952.0	3112	310	827	<2	4263	<0.1	49	545.9
25116	10.08	240	<10	139	<2	5	2419.0	2941	284	790	<2	2268	<0.1	<2	228.4
25119	21.52	<2	1932	1827	68	<1	4372.0	<30	19	41	169	4374	34.3	107	464.9
25120	11.00	<2	561	1686	75	<1	5148.0	<30	<2	<4	31	1224	4.6	129	484.2
25121	13.96	<2	1445	658	61	<1	<0.1	<30	<2	<4	18	1763	2.7	36	119.1
25123	3.60	<2	40	1473	31	<1	3086.0	<30	<2	<4	<2	325	1.8	97	368.6
25124	61.35														
25125	6.92	18	24	368	50	<1	2059.0	380	35	88	2	1040	<0.1	29	201.9
25126	3.84	<2	530	1236	55	<1	4731.0	<30	<2	<4	10	2891	<0.1	48	428.3
25127	7.35	<2	2060	1917	59	<1	6475.0	<30	<2	<4	<2	3691	<0.1	42	543.2
25128	18.82	<2	<10	135	66	<1	591.8	<30	<2	<4	<2	596	<0.1	7	61.3
25132	20.08	<2	1222	321	512	<1	685.2	<30	<2	<4	10	1750	0.8	47	71.1
25133	10.64	<2	2756	674	89	<1	2578.0	<30	<2	<4	240	986	34.4	64	220.0
25134	7.34	<2	<10	487	32	<1	2010.0	<30	2	<4	14	444	2.1	45	272.2
25136	8.84	<2	289	755	53	<1	3390.0	<30	<2	5	45	880	5.5	55	412.6
25137	38.24														
25138	7.96	<2	217	1046	123	<1	3486.0	<30	<2	<4	24	509	2.7	67	548.2
25139	6.88	<2	<10	703	77	<1	3121.0	<30	<2	<4	<2	200	<0.1	32	423.0
25140	22.36														
25141		<2	621	879	80	<1	1183.0	<30	<2	<4	63	254	9.2	201	470.2
25142	30.96	<2	550	852	106	<1	67.7	<30	<2	<4	13	290	2.6	155	53.5
25144	1.66	<2	482	898	49	<1	246.4	<30	2	14	55	195	12.1	260	480.7
25148	9.80	<2	<10	187	23	<1	21.2	<30	<2	<4	<2	27	1.8	198	26.7
25149	59.32	<2	43	771	52	<1	83.9	<30	<2	<4	16	87	4.1	310	51.1
25151		5	131	340	145	<1	15.9	<30	5	35	22	106	5.5	382	54.6
25152	8.86	<2	40	211	28	<1	24.3	<30	<2	<4	18	86	1.5	319	27.9
25153	5.60	<2	<10	190	24	<1	20.6	<30	<2	<4	17	70	1.8	165	24.0
25154	29.42	<2	30	465	40	<1	48.1	<30	4	17	41	66	1.1	249	42.1
25155	27.46	<2	38	484	43	<1	38.4	<30	<2	<4	15	53	1.2	252	40.5
25157	5.48	3	32	310	20	<1	51.5	<30	3	13	3	57	2.8	58	43.7
25158	13.17	<2	285	259	386	<1	125.0	<30	<2	<4	33	240	5.1	103	95.7
25159	37.28	8	277	3040	37	<1	12.6	34	2	23	50	240	5.6	235	8.2
25163	83.18	<2	92	1092	70	<1	53.3	<30	<2	<4	3	85	3.6	745	57.2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
25083	3	<4	29.3	64	<40	<1	25.6	6780	<2	117	<1	6	<2
25084	61	32	82.3	12	<40	<1	39.5	29887	23	77	<1	95	<2
25086	446	69	95.6	95	379	8	15.1	43318	61	18	7	225	12
25089													
25090	234	<4	70.3	764	<40	7	5.2	48683	95	<4	<1	1749	<2
25092	94	154	270.7	64	<40	<1	29.5	43072	<2	<4	<1	<4	<2
25093	440	29	630.4	179	<40	6	32.0	48344	29	<4	2	2459	<2
25095	73	31	68.0	176	128	3	54.8	37990	59	144	8	384	14
25096	478	204	93.0	231	439	24	220.4	99999	390	624	27	3991	47
25097	100	43	37.1	217	<40	<1	40.3	42088	105	114	4	959	5
25098	139	<4	13.6	<4	<40	74	112.3	35013	303	<4	<1	1553	<2
25099	118	30	96.6	<4	<40	<1	138.8	57653	96	176	<1	1585	<2
25100													
25101	6148	15	110.6	71	1689	<1	67.9	44611	262	35	9	423	15
25102	4011	27	52.1	34	1144	<1	43.0	26195	149	20	11	213	11
25103	646	33	39.9	382	<40	11	7.2	33800	126	<4	<1	884	<2
25104	120	28	39.4	<4	<40	22	5.9	41588	120	<4	<1	1691	<2
25105	105	19	28.6	17	<40	<1	9.1	21717	25	<4	<1	2837	<2
25106	27	153	17.5	116	334	<1	23.3	22449	<2	245	49	1535	215
25108	126	<4	27.7	<4	<40	16	41.0	30102	129	<4	<1	1156	<2
25109	87	27	41.1	<4	<40	4	14.4	22955	32	7	1	36	<2
25111	256	137	73.1	65	<40	36	39.6	98703	269	<4	<1	812	<2
25113	665	332	31.9	296	741	<1	39.8	35525	94	558	113	1220	525
25116	23	265	35.7	232	782	<1	22.4	17673	<2	555	102	<4	491
25119	383	47	92.8	62	266	5	10.9	51872	96	30	10	961	12
25120	65	47	108.4	36	<40	<1	42.0	49560	78	33	3	839	<2
25121	75	32	151.4	15	124	<1	5.1	<2	83	7	<1	287	<2
25123	285	6	71.4	23	<40	<1	35.5	28707	35	<4	2	2503	<2
25124													
25125	32	51	21.7	78	75	<1	55.6	14565	21	171	15	432	59
25126	74	28	17.4	63	117	<1	112.1	35406	58	565	4	963	2
25127	129	<4	21.1	<4	<40	<1	146.6	46934	82	599	<1	916	<2
25128	22	<4	9.8	26	59	<1	17.7	2416	<2	<4	3	465	<2
25132	122	31	30.6	136	566	<1	72.1	6429	11	563	1	19791	<2
25133	70	34	25.2	4	<40	59	30.8	17814	158	8	3	686	<2
25134	29	<4	34.6	49	<40	<1	62.5	20428	20	212	4	341	7
25136	55	50	40.2	94	<40	1	97.6	31197	54	361	5	756	3
25137													
25138	67	<4	47.7	94	<40	<1	83.2	34258	46	233	<1	1414	<2
25139	47	<4	33.5	124	<40	<1	65.5	26645	<2	154	<1	1024	<2
25140													
25141	54	10	109.3	36	<40	<1	57.7	20371	23	87	<1	210	<2
25142	27	10	1120.0	9	121	<1	4.5	1738	3	10	<1	85	<2
25144	49	<4	357.9	8	<40	4	20.6	3787	15	<4	1	446	7
25148	4	<4	167.2	<4	<40	<1	6.2	671	<2	<4	<1	11	<2
25149	10	21	374.7	9	116	<1	13.4	2288	<2	38	<1	5729	<2
25151	8	20	195.0	12	<40	<1	19.4	2440	<2	9	2	218	<2
25152	8	<4	188.2	6	<40	<1	1.8	827	<2	7	<1	46	<2
25153	5	8	180.1	<4	<40	<1	1.5	712	<2	12	<1	42	<2
25154	13	21	302.8	7	<40	<1	10.1	2521	<2	49	1	452	2
25155	9	21	318.5	<4	<40	<1	9.8	2382	<2	60	<1	138	<2
25157	8	12	110.9	<4	<40	<1	8.0	1475	<2	<4	<1	846	<2
25158	9	<4	133.9	<4	<40	<1	22.5	2695	2	12	<1	310	<2
25159	31	126	674.2	6	<40	1	7.7	463	4	18	1	162	3
25163	8	9	426.9	5	<40	<1	5.8	2337	<2	19	<1	99	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
25165	W	35	34.961	104.426	2	08	04/20/77	17	24.0	24.0	C		7.4	1000
25166	W	35	34.961	104.391	2	08	04/20/77	17	26.0	25.0	C		7.3	1600
25168	W	35	34.925	104.428	2	08	04/20/77	17	24.0	25.0	C		7.8	1000
25171	W	35	34.831	104.655	2	08	04/22/77	11	26.0	25.0	C		7.1	5000
25172	W	35	34.839	104.827	2	08	04/22/77	11	26.0	25.0	C		7.3	8500
25173	W	35	34.861	104.829	2	08	04/22/77	11	28.0	24.0	C		7.6	6100
25174	W	35	34.875	104.831	2	08	04/22/77	12	27.0	25.0	C		8.4	6500
25175	W	35	34.876	104.834	2	08	04/22/77	12	27.0	25.0			8.1	6450
25176	W	35	34.816	104.867	2	08	04/22/77	13	28.0	25.0			8.3	7500
25177	W	35	34.971	104.867	2	08	04/22/77	14	28.0	23.0	C		8.0	6100
25178	W	35	34.975	104.809	2	08	04/22/77	15	28.0	26.0	C		8.0	7200
25181	W	35	34.975	104.777	2	08	04/22/77	15	27.0	26.0	C		8.1	6300
25182	W	35	34.946	104.839	2	08	04/20/77	17	25.0	26.0	C		8.8	6000
25184	W	35	34.944	104.871	2	08	04/22/77	15	27.0	25.0	C		8.1	6200
25186	W	35	34.917	104.812	2	08	04/20/77	17	25.0	25.0	C		8.1	3000
25191	W	35	34.902	104.750	2	08	04/22/77	16	24.0	23.0	C		8.3	2200
25193	W	35	34.873	104.779	2	08	04/22/77	18	22.0	24.0	C		8.4	2300
25194	W	35	34.770	104.947	2	08	04/23/77	10	25.0	23.0	C		7.4	2800
25199	W	35	34.902	104.718	2	08	04/23/77	13	29.0	27.0	C		7.5	2500
25207	W	35	34.965	104.629	2	08	04/22/77	13	28.0	26.0			8.8	1100
25208	W	35	34.973	104.649	2	08	04/22/77	13	28.0	26.0			8.9	1650
25210	W	35	34.986	104.561	2	08	04/23/77	15	28.0	26.0			7.9	600
25216	W	35	34.767	104.672	2	08	04/24/77	10	26.0	23.0	C		7.3	2000
25217	W	35	34.757	104.671	2	08	04/24/77	10	26.0	24.0	C		7.5	2800
25218	W	35	34.741	104.875	2	08	04/24/77	11	27.0	23.0			7.3	600
25219	W	35	34.722	104.869	2	08	04/24/77	11	27.0	24.0			7.3	750
25220	W	35	34.735	104.965	2	08	04/24/77	12	27.0	25.0			7.8	3500
25223	W	35	34.699	104.921	2	08	04/24/77	13	27.0	28.0	C		7.6	2800
25224	W	35	34.685	104.882	2	08	04/24/77	13	27.0	23.0	C		7.3	1600
25225	W	35	34.695	104.916	2	08	04/24/77	13	27.0	25.0	C		7.4	2800
25227	W	35	34.682	104.965	2	08	04/24/77	14	28.0	26.0	C		7.7	2700
25229	W	35	34.665	104.916	2	08	04/24/77	14	29.0	24.0	C		7.5	1100
25232	W	35	34.622	104.954	2	08	04/24/77	15	29.0	25.0	C		7.3	3500
25233	W	35	34.605	104.857	2	08	04/24/77	15	29.0	26.0	C		7.3	2100
25235	W	35	34.574	104.926	2	08	04/24/77	16	28.0	24.0	C		8.3	3600
25236	S	35	34.923	104.661	2	07	04/25/77	10	24.0	21.0	C		6.8	2300
25241	W	35	34.867	104.629	2	08	04/25/77	12	28.0	24.0	C		6.8	2200
25246	P	35	34.761	104.727	2	06	04/25/77	12	28.0	26.0			6.9	2200
25247	P	35	34.760	104.692	2	06	04/25/77	12	28.0	26.0			6.8	2300
25248	W	35	34.774	104.670	2	08	04/25/77	12	28.0	26.0	C		6.6	2800
25249	P	35	34.762	104.681	2	06	04/25/77	13	28.0	24.0			6.9	2600
25252	W	35	34.535	104.479	2	08	04/26/77	14	27.0	26.0			7.7	600
25253	W	35	34.543	104.521	2	08	04/26/77	14	27.0	23.0	C		8.3	600
25254	W	35	34.525	104.540	2	08	04/26/77	15	28.0	23.0	C		8.1	1000
25255	W	35	34.557	104.567	2	08	04/26/77	15	28.0	23.0	C		7.6	1000
25256	W	35	34.565	104.542	2	08	04/26/77	15	28.0	24.0	C		7.3	1300
25258	W	35	34.593	104.535	2	08	04/26/77	16	28.0	26.0	C		7.6	3000
25259	P	35	34.598	104.532	2	06	04/26/77	16	27.0	25.0			7.9	3500
25260	P	35	34.607	104.559	2	06	04/26/77	16	27.0	24.0			7.6	3200
25262	W	35	34.587	104.512	2	08	04/26/77	16	27.0	25.0	C		8.0	700
25264	P	35	34.592	104.447	2	06	04/26/77	17	27.0	25.0			7.9	5300
25265	W	35	34.586	104.455	2	08	04/26/77	17	27.0	23.0	C		7.3	1100
25269	W	35	34.546	104.427	2	08	04/26/77	17	26.0	22.0	C		7.1	1400
25271	W	35	34.558	104.489	2	08	04/26/77	18	24.0	22.0	C		7.1	1600
25272	W	35	34.525	104.482	2	08	04/26/77	18	25.0	23.0	C		7.2	700

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TREE	DIAM (INCHES)	W-DP (FEET)	WATD (FEET)
25165	1	7					3	1	3	2	1	3		
25166	1	7					3	1	3	2	1	3		
25168	1	8					3	1	3	2	1	3		
25171	1	11					2	2	2	1	1	3	150	
25172	1	8					3	1	2	1	1	3	160	
25173	1	7					3	1	2	1	1	3	170	
25174	1	6					3	1	2	1	1	3	150	
25175	1	6					3	1	3	1	1	3	165	
25176	1	8					3	5	2	1	1	3	145	
25177	1	6					3	1	3	1	3	1		
25178	1	4					3	5	2	1	1	3		
25181	1	5					3	1	3	1	3	4		
25182	1	6					2	1	2	1	1	3		
25184	1	5					3	1	3	1	1	3		
25186	1	9					3	1	3	1	1	3		
25191	1						2	1	3	1	1	3		
25193	1	5					2	2	3	1	1	3		
25194	1	11					3	1	2	1	1	3		
25199	1	9					3	1	3	1	1	3		
25207	3	8					3	1	3	1	2	2		
25208	3	8					3	1	2	1	2	3		
25210	1	8					3	1	2	1	1	3	80	
25216	1	11					3	1	3	1	1	3		
25217	1	9					3	1	3	1	1	3		
25218	1	11					3	1	2	1	1	3	120	
25219	1	11					3	1	2	1	1	3	125	
25220	1	7					3	1	2	1	1	3	145	
25223	1	7					3	1	3	1	1	3	150	
25224	1	6					3	1	3	1	1	3	75	
25225	1	10					3	1	3	1	1	3	140	
25227	1	7					3	2	2	1	1	3		
25229	1	8					3	1	3	1	1	3		
25232	1	12					3	1	2	1	1	3		
25233	1	7					3	1	3	1	1	3		
25235	1	8					3	1	3	1	1	3		
25236	1	6	1	4	5	6	3	1	2	1				
25241	1	11					3	1	3	1	1	3		
25246	1	7	1	4	5	6	2	1	3	1				
25247	1	8	1	4	5	6	3	1	3	1				
25248	1	8					3	1	3	1	1	3		
25249	1	8	1	1	5	6	2	1	3	1				
25252	1	10					3	1	2	1	3	3		
25253	1	7					3	1	2	1	1	3		
25254	1	8					3	1	2	1	1	3		
25255	1	8					3	1	2	1	1	3		
25256	1	7					3	1	2	1	1	3		
25258	1	5					3	1	3	1	1	3		
25259	1	10	1	1	5	6	3	2	3	1				
25260	1	10	1	1	5	6	2	2	3	1				
25262	1	7					3	1	3	1	1	3		
25264	1	8	1	4	5	4	3	1	3	1				
25265	1	6					3	1	3	1	1	3		
25269	1	7					3	1	3	1	1	3		
25271	1	10					3	1	3	1	1	3		
25272	1	11					3	1	2	1	1	3		

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
25165	34.65	<2	129	916	121	<1	118.1	<30	<2	<4	85	82	4.4	567	69.0
25166		<2	366	1960	78	<1	198.4	<30	2	39	97	321	13.2	909	248.8
25168	8.34	3	66	378	49	<1	67.1	<30	2	20	21	56	6.4	251	57.3
25171	3.68	<2	537	826	22	<1	813.0	<30	<2	<4	38	891	9.0	414	304.5
25172	3.64	<2	116	592	20	<1	805.3	<30	<2	13	19	66	4.2	190	265.7
25173	0.91	<2	490	1315	42	<1	1566.0	<30	<2	<4	60	233	13.0	375	405.4
25174	19.74	2	53	241	38	<1	138.8	35	3	32	26	80	7.1	156	114.7
25175	9.34	<2	417	244	51	<1	184.7	<30	<2	<4	21	298	6.4	164	158.1
25176	14.87	2	313	777	15	<1	1166.0	59	3	40	35	407	7.3	211	373.8
25177	13.04	<2	1290	171	78	<1	267.4	<30	2	9	49	1230	4.8	104	76.0
25178	6.72	13	40	147	8	<1	230.7	141	12	98	16	<10	5.4	71	111.7
25181	7.36	<2	124	106	38	<1	223.6	<30	<2	<4	<2	180	2.7	39	51.7
25182	19.43	<2	1938	720	74	<1	1944.0	<30	3	16	63	1060	21.8	147	324.9
25184		<2	2781	1358	248	<1	4657.0	<30	<2	<4	<2	3911	0.5	63	428.1
25186		7	<10	285	<2	<1	3564.0	129	42	38	<2	<10	<0.1	9	187.8
25191		<2	6233	711	189	<1	6978.0	<30	<2	<4	70	6818	6.6	43	417.2
25193		13	1986	520	91	<1	4967.0	238	40	70	<2	2199	<0.1	30	338.3
25194		<2	4678	3641	134	<1	6063.0	<30	<2	<4	364	801	53.6	110	468.8
25199		<2	<10	343	36	<1	4659.0	<30	<2	<4	<2	806	<0.1	28	260.0
25207		71	<10	168	<2	2	3597.0	853	131	233	110	<10	<0.1	12	132.6
25208		<2	<10	143	<2	<1	4362.0	<30	<2	<4	<2	6792	<0.1	8	161.3
25210		16	4156	594	554	<1	1719.0	149	9	38	4	7786	8.7	32	138.3
25216		23	<10	957	51	1	5048.0	346	59	93	<2	856	<0.1	33	815.5
25217		<2	<10	755	44	<1	5197.0	108	5	29	10	248	<0.1	28	460.8
25218		<2	89	298	205	<1	1286.0	<30	<2	<4	23	1735	2.9	23	184.6
25219		<2	155	198	134	<1	764.6	31	2	16	16	1104	0.7	13	107.2
25220		237	342	2655	30	5	5352.0	2881	375	767	25	221	6.5	59	390.8
25223		<2	<10	510	15	<1	4953.0	<30	<2	<4	<2	214	<0.1	15	225.7
25224		36	<10	239	87	1	2900.0	485	35	124	<2	<10	2.6	17	150.5
25225		<2	6293	2338	361	<1	8579.0	<30	<2	<4	538	1670	67.3	115	661.2
25227		<2	56	934	62	<1	3806.0	42	9	13	12	256	1.6	94	330.8
25229		<2	12	188	87	<1	1158.0	<30	4	17	8	118	2.2	23	109.8
25232		<2	988	1548	113	<1	7654.0	<30	6	<4	71	901	8.3	89	493.7
25233		<2	299	1515	62	<1	4325.0	<30	16	7	<2	266	0.3	32	271.6
25235		<2	2774	1080	139	<1	7172.0	<30	<2	<4	185	811	24.3	61	359.5
25236		<2	<10	351	71	<1	6625.0	<30	5	<4	<2	365	<0.1	25	202.5
25241		3	<10	140	139	<1	6626.0	142	34	53	<2	<10	<0.1	2	232.0
25246		2	<10	427	272	<1	3522.0	110	21	34	<2	<10	<0.1	<2	402.9
25247		<2	46	1301	428	<1	6192.0	<30	<2	<4	<2	478	<0.1	48	640.1
25248		<2	<10	1850	64	<1	5701.0	<30	<2	<4	<2	256	<0.1	55	449.7
25249		12	19	893	229	<1	4238.0	150	23	52	<2	583	<0.1	31	533.1
25252		5	9219	290	321	<1	1382.0	106	30	28	370	9966	1.4	45	57.1
25253		<2	<10	84	54	<1	439.7	<30	<2	13	<2	1130	<0.1	7	43.3
25254		<2	2126	250	91	<1	1734.0	<30	<2	<4	<2	2856	<0.1	16	81.9
25255		<2	786	158	64	<1	1110.0	<30	22	<4	14	1163	1.6	17	61.2
25256		<2	244	391	46	<1	1021.0	<30	5	<4	6	456	<0.1	21	120.6
25258		13	2717	887	96	<1	3355.0	160	25	46	224	397	29.7	51	333.2
25259		<2	7575	1382	200	<1	3197.0	<30	<2	<4	634	1045	88.1	104	343.4
25260		8	469	821	22	<1	2534.0	62	<2	21	33	90	6.2	47	385.4
25262		<2	622	373	174	<1	776.1	47	<2	<4	32	756	1.5	40	105.4
25264		23	<10	1241	35	1	3081.0	260	33	75	<2	335	<0.1	46	822.9
25265		32	<10	263	62	1	905.5	377	42	113	<2	935	<0.1	33	52.4
25269		<2	2168	1191	206	<1	3058.0	<30	<2	<4	162	2759	10.5	118	439.7
25271		<2	9206	740	801	<1	3910.0	<30	3	6	67	10380	4.9	52	190.8
25272		16	891	235	243	<1	828.6	196	26	61	51	1147	1.5	15	38.2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
25165	15	13	290.7	5	<40	<1	26.1	5553	<2	301	1	1107	<2
25166	36	126	669.5	27	<40	<1	34.9	15287	5	157	1	130	2
25168	11	5	164.4	10	<40	<1	12.3	3960	<2	107	1	48	3
25171	382	<4	327.7	21	<40	1	18.8	19843	18	<4	1	191	<2
25172	10	<4	113.6	5	<40	<1	19.8	22974	13	<4	1	1804	<2
25173	255	<4	170.1	15	<40	3	31.7	37034	35	<4	<1	143	<2
25174	8	4	48.1	<4	<40	<1	10.2	5073	2	19	1	37	10
25175	18	<4	68.2	<4	<40	<1	25.6	5507	5	18	<1	84	<2
25176	103	15	140.9	37	<40	<1	21.4	21102	20	15	5	208	13
25177	55	12	45.8	19	73	<1	33.5	2287	8	<4	2	3820	<2
25178	3	16	29.2	5	<40	1	15.6	3170	5	20	5	<4	14
25181	38	<4	25.2	5	<40	<1	6.1	1904	<2	<4	<1	76	<2
25182	114	5	71.6	95	236	2	21.2	21286	66	7	4	370	9
25184	138	19	55.2	34	<40	<1	19.0	45528	51	<4	1	466	<2
25186	24	51	30.6	35	88	<1	12.9	25678	<2	17	9	121	26
25191	344	<4	68.0	98	239	11	64.4	48967	178	<4	<1	477	<2
25193	138	35	59.4	48	78	<1	45.9	39603	58	37	15	230	53
25194	421	<4	56.0	5	<40	93	36.9	42887	331	<4	<1	1995	<2
25199	138	30	83.5	<4	<40	<1	29.2	41482	3	<4	<1	481	<2
25207	29	95	26.6	1267	477	<1	17.3	20424	18	163	32	<4	142
25208	93	<4	33.3	193	58	<1	21.0	25373	<2	<4	<1	789	<2
25210	1082	53	15.9	222	1481	<1	19.9	14850	49	35	11	2455	37
25216	155	23	25.6	395	107	<1	79.6	34740	<2	285	15	1517	61
25217	77	49	26.1	13	<40	<1	66.7	30545	39	139	7	1783	25
25218	116	5	7.6	66	103	<1	119.3	6977	6	246	<1	1159	9
25219	71	19	5.1	33	139	<1	72.3	4055	3	163	4	1166	15
25220	312	238	45.3	226	648	4	28.5	35582	69	529	102	1572	467
25223	<2	46	7.9	45	<40	<1	34.0	27595	5	<4	1	29071	<2
25224	26	49	3.9	57	56	<1	32.5	11218	34	78	18	295	78
25225	387	<4	29.7	56	<40	119	115.0	77687	585	<4	<1	24551	<2
25227	101	55	33.7	<4	<40	<1	41.1	31222	30	<4	7	603	15
25229	164	<4	7.1	21	<40	<1	35.0	7335	7	<4	5	2051	12
25232	239	21	58.5	37	<40	8	27.3	46908	121	17	5	596	5
25233	159	25	57.6	55	152	<1	24.2	27969	30	<4	5	820	15
25235	105	<4	25.2	10	<40	40	5.3	33093	209	<4	<1	1000	<2
25236	302	<4	29.0	24	<40	<1	27.6	34541	63	<4	9	500	10
25241	175	67	48.9	69	199	<1	28.9	36302	<2	27	12	111	55
25246	8946	26	44.0	17	<40	<1	26.5	25860	<2	38	6	<4	34
25247	15390	14	55.3	5	<40	<1	49.2	40308	42	10	<1	200	<2
25248	618	<4	93.6	<4	<40	<1	3.5	53170	28	<4	<1	304	<2
25249	1331	48	47.0	16	<40	<1	29.6	26891	34	67	11	250	25
25252	471	82	21.7	213	1056	<1	65.7	4926	115	131	14	4927	22
25253	20	4	7.9	50	121	<1	22.0	1859	<2	33	<1	523	9
25254	120	5	11.9	52	136	<1	55.8	5036	44	62	2	1472	24
25255	73	<4	15.5	30	<40	1	33.6	3339	26	31	1	1490	<2
25256	51	<4	13.1	<4	40	<1	31.8	5749	11	20	2	807	<2
25258	78	10	15.2	<4	<40	58	41.6	15733	201	42	8	189	9
25259	193	<4	16.5	<4	<40	167	40.5	14304	481	<4	<1	469	<2
25260	25	29	29.0	<4	<40	8	34.6	18112	48	17	4	46	<2
25262	75	13	20.6	27	55	<1	51.9	4325	8	85	1	715	<2
25264	108	53	59.1	35	<40	<1	6.8	20772	<2	53	14	42	42
25265	17	53	23.9	171	147	<1	37.7	4003	<2	129	15	377	63
25269	158	<4	94.2	211	<40	9	97.0	16537	75	33	<1	1985	<2
25271	508	18	68.2	165	393	<1	173.5	11382	135	306	13	3467	4
25272	120	23	21.2	36	231	<1	47.0	3109	13	98	9	925	31

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
25273	W	35	34.513	104.465	2	08	04/26/77	18	24.0	25.0	C		7.2	1000
25274	W	35	34.604	104.353	2	08	04/27/77	10	26.0	23.0	C		7.5	900
25276	W	35	34.613	104.427	2	08	04/27/77	11	26.0	24.0	C		7.8	1200
25277	W	35	34.637	104.466	2	08	04/27/77	11	28.0	24.0	C		8.1	1400
25278	W	35	34.620	104.467	2	08	04/27/77	11	27.0	23.0	C		7.9	1100
25281	W	35	34.608	104.371	2	08	04/27/77	12	27.0	25.0	C		7.5	1000
25282	W	35	34.694	104.377	2	08	04/27/77	13	28.0	24.0	C		8.1	1100
25285	W	35	34.682	104.436	2	08	04/27/77	13	28.0	23.0			7.2	600
25286	P	35	34.684	104.438	2	06	04/27/77	13	28.0	24.0	C		7.6	1400
25287	W	35	34.680	104.419	2	08	04/27/77	13	28.0	25.0			8.1	1200
25289	W	35	34.655	104.415	2	08	04/27/77	14	26.0	25.0			8.2	2000
25290	W	35	34.648	104.388	2	08	04/27/77	14	26.0	25.0			8.3	3500
25292	W	35	34.674	104.389	2	08	04/27/77	14	26.0	23.0			8.5	1000
25293	W	35	34.712	104.437	2	08	04/27/77	15	25.0	26.0			8.8	1100
25294	W	35	34.724	104.463	2	08	04/27/77	15	23.0	25.0	C		7.6	1000
25295	W	35	34.698	104.451	2	08	04/27/77	15	26.0	25.0			7.8	1000
25298	W	35	34.724	104.424	2	08	04/27/77	15	27.0	23.0	C		7.6	950
25299	W	35	34.744	104.450	2	08	04/27/77	15	27.0	24.0			7.8	1000
25301	W	35	34.745	104.199	2	08	04/17/77	15	28.0	20.0			7.8	550
25302	W	35	34.397	104.279	2	08	04/17/77	17	23.0	18.0			7.2	520
25303	W	35	34.379	104.273	2	08	04/17/77	17	23.0	18.0			7.0	540
25304	W	35	34.722	104.052	2	08	04/18/77	11	26.0	23.0			8.0	540
25307	W	35	34.708	104.120	2	08	04/18/77	12	27.0	23.0			7.5	550
25308	W	35	34.692	104.105	2	08	04/18/77	12	27.0	25.0			7.5	520
25309	W	35	34.755	104.111	2	08	04/18/77	13	29.0	27.0			7.3	300
25310	W	35	34.770	104.076	2	08	04/18/77	13	29.0	25.0			7.5	270
25311	W	35	34.757	104.057	2	08	04/18/77	17	26.0	22.0			7.7	500
25312	W	35	34.781	104.054	2	08	04/18/77	14	29.0	25.0			7.3	330
25314	W	35	34.806	104.022	2	08	04/18/77	<0	28.0	23.0			7.6	440
25315	W	35	34.765	104.019	2	08	04/18/77	13	28.0	25.0			7.8	240
25317	W	35	34.810	104.076	2	08	04/18/77	14	29.0	27.0			7.7	360
25318	W	35	34.836	104.095	2	08	04/18/77	15	29.0	23.0			8.9	200
25319	W	35	34.815	104.116	2	08	04/18/77	15	29.0	25.0			7.2	220
25320	W	35	34.864	104.077	2	08	04/18/77	16	28.0	25.0			7.2	220
25321	W	35	34.853	104.058	2	08	04/18/77	16	28.0	26.0			7.8	250
25322	W	35	34.840	104.042	2	08	04/18/77	16	28.0	23.0			7.5	250
25323	W	35	34.865	104.020	2	08	04/18/77	16	28.0	23.0			7.3	210
25324	W	35	34.765	104.264	2	08	04/20/77	10	22.0	18.0			7.9	460
25329	W	35	34.674	104.355	2	08	04/20/77	10	20.0	19.0			8.0	1300
25332	W	35	34.790	104.461	2	08	04/21/77	12	24.0	22.0			7.4	360
25335	W	35	34.815	104.446	2	08	04/21/77	12	24.0	22.0			7.8	320
25336	W	35	34.802	104.431	2	08	04/21/77	13	25.0	22.0			8.2	280
25344	W	35	34.846	104.439	2	08	04/21/77	14	26.0	23.0			7.8	630
25345	W	35	34.864	104.428	2	08	04/21/77	14	27.0	23.0			7.9	700
25346	W	35	34.870	104.453	2	08	04/21/77	14	27.0	25.0			7.8	660
25347	W	35	34.857	104.364	2	08	04/21/77	15	26.0	22.0			8.1	1800
25349	W	35	34.801	104.347	2	08	04/21/77	15	27.0	25.0			8.6	900
25351	W	35	34.850	104.301	2	08	04/21/77	16	26.0	24.0			9.1	480
25352	W	35	34.835	104.277	2	08	04/21/77	16	26.0	24.0			8.4	460
25353	W	35	34.824	104.267	2	08	04/21/77	16	26.0	24.0			8.6	460
25354	W	35	34.825	104.309	2	08	04/21/77	16	26.0	22.0			8.3	420
25358	W	35	34.937	104.372	2	08	04/23/77	9	24.0	20.0			8.0	440
25359	W	35	34.966	104.355	2	08	04/23/77	9	26.0	23.0			8.0	600
25360	W	35	34.988	104.363	2	08	04/23/77	9	26.0	22.0			8.5	750
25363	W	35	34.881	104.358	2	08	04/23/77	10	29.0	25.0			8.1	1900

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIA	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-DP (FEET)	BATD (FEET)
25273	1	8					3	1	2	1	3	3		
25274	1	10					3	1	3	1	1	3	150	
25276	1	8					3	1	3	1	1	3		
25277	1	10					3	1	3	1	1	3		
25278	1	7					3	1	3	1	1	3		
25281	1	9					3	1	3	1	3	3		
25282	1	10					3	1	3	1	1	3		
25285	1	6					3	1	3	1	3	3	17	
25286	1	10					3	1	3	1				
25287	1	7					3	1	3	1	3	3	140	
25289	1	7					3	1	3	1	1	3	140	
25290	1	8					3	1	3	1	1	3		
25292	1	6					3	1	3	1	1	3	60	
25293	1	8					3	1	3	1	1	3	120	
25294	1	11					3	1	3	2	1	3	112	
25295	1	5					3	1	3	4	1	3	140	
25298	1	8					3	1	2	3	1	3	140	
25299	1	10					3	1	2	3	1	3	125	
25301	3	7					3	1	1	2	2	2		
25302	3	5					3	1	1	2	2	2		
25303	3	7					3	1	1	2	2	3		
25304	3	6					3	1	1	1	2	2		
25307	3	8					3	1	1	1	2	2		
25308	3	16					3	1	1	1	2	2		
25309	3	3					3	1	1	1	2	2		
25310	3	7					3	1	2	1	2	3		
25311	3	6					3	1	1	1	2	2		
25312	3	6					3	1	1	1	2	2		
25314	3	4					3	1	1	1	2	2		
25315	3	8					3	1	1	1	2	2		
25317	3	3					3	1	1	1	2	2		
25318	3	10					3	1	1	1	2	2		
25319	3	7					3	1	1	1	2	2		
25320	3	8					3	1	1	1	2	2		
25321	3	6					3	1	1	1	2	3		
25322	3	7					3	1	1	1	2	2		
25323	3	4					3	1	1	1	2	2		
25324	1	8					3	1	1	1	3	1		
25329	3	8					3	1	2	2	2	2		
25332	3	8					3	1	2	2	2	2		
25335	3						3	1	2	2	2	2		
25336	3						3	1	2	2	2	3		
25344	3						3	1	2	2	2	3		
25345	3						3	1	2	2	2	2		
25346	3						3	1	2	2	2	2		
25347	3						3	1	2	2	2	2		
25349	3	8					3	1	2	2	2	2		
25351	3						3	1	2	2	2	2		
25352	3						3	1	2	2	2	2		
25353	3						3	1	2	2	2	2		
25354	3						3	1	2	2	2	3		
25358	3	7					2	1	2	1	2	2		
25359	3	8					2	2	2	1	2	3		
25360	3	6					2	2	1	1	2	2		
25363	3	11					2	1	2	1	2	2		

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	Fe	K	LI	MG
25273		2	11029	550	232	<1	1598.0	83	18	28	28	10510	2.2	29	111.9
25274		<2	<10	607	13	<1	145.8	<30	<2	<4	<2	<10	0.9	23	62.3
25276		<2	385	1173	295	<1	2182.0	<30	<2	<4	29	730	4.2	77	253.4
25277		<2	<10	272	74	<1	524.2	<30	5	<4	<2	231	0.4	21	80.9
25278		<2	1192	582	226	<1	1408.0	<30	24	10	22	2106	2.5	47	178.4
25281		41	802	602	114	1	429.3	423	52	109	22	707	4.0	24	43.3
25282		5	<10	1033	78	<1	219.8	123	25	34	<2	<10	<0.1	29	82.3
25285		<2	1166	529	176	<1	277.8	<30	<2	<4	11	1114	<0.1	19	40.6
25286		<2	349	562	284	<1	484.7	<30	<2	<4	25	502	0.3	32	72.5
25287		22	1647	543	222	<1	471.0	190	11	54	<2	3466	<0.1	20	55.5
25289		<2	1633	2057	152	<1	2160.0	180	<2	39	38	1660	3.1	65	357.8
25290		<2	<10	1617	51	<1	253.5	38	6	<4	28	237	0.2	20	46.2
25292		<2	386	1051	161	<1	232.3	<30	<2	<4	18	976	<0.1	28	81.0
25293		<2	29	1475	41	<1	59.0	<30	<2	<4	<2	562	<0.1	14	15.3
25294		<2	58	942	49	<1	158.0	<30	<2	<4	<2	774	<0.1	15	54.0
25295		<2	<10	786	32	<1	98.2	<30	<2	<4	<2	<10	<0.1	12	47.2
25298		9	232	440	201	<1	172.6	<30	16	9	<2	769	<0.1	12	32.6
25299		20	375	522	250	<1	208.7	386	43	82	2	921	0.7	14	39.3
25301		3	20	1958	205	<1	750.6	125	16	40	2	1346	4.0	49	184.9
25302		<2	<10	494	48	<1	205.0	<30	15	7	<2	<10	0.5	14	75.9
25303		29	<10	462	47	1	197.5	379	52	93	<2	<10	1.2	13	71.1
25304		8	<10	395	302	<1	260.5	83	<2	27	19	402	2.0	16	51.2
25307		<2	<10	203	230	<1	267.3	<30	<2	<4	<2	384	1.8	20	37.8
25308		7	17	329	353	<1	406.0	96	30	51	<2	497	2.1	31	86.8
25309		<2	<10	311	260	<1	373.5	33	4	5	3	330	3.5	11	64.5
25310		27	510	329	245	<1	394.0	304	37	65	7	614	3.6	12	61.9
25311		<2	<10	610	511	<1	715.5	<30	<2	<4	<2	192	3.4	20	119.1
25312		<2	215	366	308	<1	998.4	<30	<2	<4	16	602	4.8	20	73.5
25314		<2	132	516	396	<1	492.7	<30	<2	<4	7	332	7.0	20	89.6
25315		19	89	353	300	<1	391.7	168	26	58	6	579	5.0	15	72.4
25317		20	300	186	152	1	474.2	255	18	83	20	280	4.3	12	35.4
25318		11	685	229	3892	<1	1608.0	<30	19	37	50	1707	2.3	13	47.5
25319		17	<10	63	1209	<1	523.3	116	20	44	3	266	<0.1	4	14.9
25320		<2	<10	60	266	<1	208.7	<30	<2	<4	<2	<10	1.3	3	24.7
25321		2	<10	101	164	<1	259.7	86	<2	<4	<2	<10	3.7	5	37.3
25322		<2	<10	203	209	<1	304.6	<30	<2	<4	<2	<10	5.7	8	61.1
25323		20	<10	57	260	<1	212.8	267	41	97	<2	<10	1.3	3	22.1
25324		<2	<10	781	197	<1	119.0	<30	<2	<4	<2	152	<0.1	22	15.0
25329		4	485	3194	79	<1	373.1	<30	20	53	13	800	2.1	68	262.0
25332		7	3413	787	283	<1	1036.0	<30	24	17	<2	3756	0.3	23	161.8
25335	30.60	<2	<10	534	123	<1	101.1	<30	<2	<4	<2	349	<0.1	15	21.6
25336	55.38	10	130	675	87	<1	142.8	102	35	27	<2	446	<0.1	20	23.8
25344	57.44	<2	813	1184	72	<1	203.8	<30	35	19	25	1116	0.6	29	55.5
25345	21.12	<2	<10	1244	107	<1	244.5	<30	4	<4	<2	252	<0.1	43	47.9
25346	68.81														
25347	483.00														
25349	49.33	<2	1317	1063	155	<1	312.3	74	12	17	172	2038	<0.1	19	31.7
25351	46.06	11	1607	1136	220	<1	170.6	255	28	65	38	1983	0.8	25	22.7
25352	60.26	23	1680	1187	218	<1	466.6	367	50	90	38	2586	2.9	22	35.5
25353	43.64	5	142	536	86	<1	211.4	<30	<2	<4	9	440	0.1	9	16.0
25354		<2	1120	1322	241	<1	539.8	<30	<2	<4	56	2320	2.9	24	40.9
25358	41.94	<2	<10	1618	63	<1	1051.0	<30	<2	<4	<2	223	5.2	67	241.2
25359	3078.00														
25360	108.00	<2	<10	1765	68	<1	432.3	<30	<2	<4	7	193	6.2	64	154.3
25363	61.52	<2	21	1400	52	<1	752.5	<30	<2	<4	12	308	<0.1	63	235.2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
25273	714	16	30.5	90	675	<1	66.9	7180	116	140	9	5514	<2
25274	8	23	29.4	<4	<40	<1	20.3	902	<2	<4	<1	7[illegible]	<2
25276	229	51	42.5	25	255	<1	137.3	17754	8	250	<1	1782	<2
25277	48	4	9.9	12	133	<1	28.3	4527	<2	76	<1	814	<2
25278	158	<4	19.1	40	352	<1	46.9	10482	13	227	4	2218	<2
25281	107	70	27.1	38	117	4	21.5	3019	19	86	16	6130	72
25282	14	44	27.3	61	58	<1	19.2	6110	<2	104	5	543	33
25285	51	33	21.4	35	<40	<1	27.7	3475	12	92	<1	3157	<2
25286	42	113	37.2	13	136	<1	45.2	6217	17	189	<1	5539	<2
25287	265	102	19.9	45	146	<1	26.6	4639	2	226	11	457	47
25289	341	45	109.9	120	406	<1	30.1	20862	24	27	8	865	15
25290	23	38	81.5	15	102	<1	8.1	3251	<2	45	<1	335	<2
25292	56	<4	55.5	12	232	<1	43.0	4810	<2	<4	<1	389	<2
25293	37	18	57.0	20	116	<1	15.0	701	<2	<4	<1	290	<2
25294	33	5	60.7	35	55	<1	10.9	1416	<2	<4	<1	214	<2
25295	<2	20	52.7	16	<40	<1	20.6	1238	<2	<4	<1	<4	<2
25298	34	42	23.1	29	<40	<1	17.0	2159	<2	122	1	234	5
25299	34	52	25.9	18	71	<1	20.8	2649	<2	207	10	316	52
25301	242	<4	127.3	33	151	<1	15.5	10056	4	22	2	219	20
25302	2	32	18.1	7	<40	<1	30.0	3672	<2	50	<1	25	4
25303	<2	65	17.0	51	642	<1	28.9	3682	<2	134	12	<4	52
25304	16	57	17.5	29	101	<1	31.1	3480	<2	235	5	368	13
25307	27	8	9.6	<4	<40	<1	52.7	2772	<2	185	<1	1886	<2
25308	59	32	15.0	23	119	<1	78.2	4161	<2	315	7	2913	37
25309	19	20	23.4	13	42	<1	5.9	3076	<2	51	<1	217	<2
25310	105	59	21.6	38	114	<1	5.7	3046	<2	89	11	320	41
25311	104	<4	41.9	<4	<40	<1	17.1	5899	<2	50	<1	169	<2
25312	240	<4	24.7	<4	<40	<1	61.9	4758	8	88	<1	3175	<2
25314	62	31	34.2	69	<40	<1	13.2	4381	4	16	<1	258	<2
25315	34	26	27.3	73	115	<1	6.3	3497	<2	88	8	266	34
25317	120	9	12.5	36	63	3	30.6	2281	15	108	10	1456	31
25318	63	35	6.9	33	165	<1	69.1	3764	26	194	8	2614	28
25319	13	27	2.4	<4	55	<1	21.7	1194	<2	77	6	605	23
25320	<2	<4	8.0	<4	<40	<1	21.6	1453	<2	31	1	19	5
25321	8	21	12.0	12	<40	<1	30.7	808	<2	63	2	112	<2
25322	45	<4	19.6	<4	<40	<1	52.4	748	<2	27	<1	83	<2
25323	<2	21	7.3	16	58	<1	19.3	1369	<2	88	11	<4	37
25324	2	24	64.2	7	<40	<1	19.4	1644	<2	50	<1	9549	<2
25329	64	152	174.0	41	<40	<1	34.7	24810	11	1162	5	454	30
25332	135	11	36.7	22	89	<1	44.4	6794	32	14	6	45437	20
25335	10	15	25.1	<4	<40	<1	16.4	1959	<2	98	<1	157	7
25336	10	58	35.3	10	57	<1	19.5	2263	<2	220	6	285	14
25344	63	54	65.1	38	127	<1	20.5	4345	2	205	2	666	10
25345	59	<4	82.5	<4	<40	<1	26.5	6601	<2	321	<1	3155	<2
25346													
25347													
25349	152	188	153.1	37	454	<1	33.8	2439	7	94	5	955	10
25351	159	108	74.5	105	558	<1	35.1	1759	18	183	11	481	21
25352	119	143	111.3	139	414	<1	36.2	3958	11	164	9	1075	57
25353	33	21	53.3	58	168	<1	16.5	1796	<2	57	<1	425	17
25354	145	130	125.9	161	446	<1	40.4	4525	11	105	<1	1380	<2
25356	33	203	85.4	<4	<40	<1	25.0	12559	<2	84	<1	396	<2
25359													
25360	33	660	68.3	<4	<40	<1	14.7	13431	<2	171	<1	139	<2
25363	59	21	133.7	23	<40	<1	5.3	17593	<2	99	<1	177	5

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
25365	W	35	34.953	104.319	2	08	04/23/77	10	30.0	16.0			8.8	480
25366	W	35	34.934	104.298	2	08	04/23/77	<0	29.0	19.0			7.9	700
25368	W	35	34.955	104.281	2	08	04/23/77	11	30.0	21.0			8.5	360
25369	W	35	34.964	104.235	2	08	04/23/77	12	30.0	22.0			6.7	260
25370	W	35	34.984	104.222	2	08	04/23/77	12	29.0	21.0			8.6	300
25371	W	35	34.984	104.251	2	08	04/23/77	12	20.0	23.0			8.9	290
25372	W	35	34.938	104.234	2	08	04/23/77	12	29.0	22.0			8.1	320
25374	W	35	34.954	104.219	2	08	04/23/77	12	30.0	23.0			9.4	320
25375	W	35	34.934	104.182	2	08	04/23/77	14	30.0	22.0			8.6	500
25376	W	35	34.889	104.156	2	08	04/23/77	14	30.0	27.0			7.5	260
25378	W	35	34.891	104.218	2	08	04/23/77	14	30.0	25.0			7.8	200
25381	W	35	34.901	104.146	2	08	04/23/77	16	28.0	24.0			8.4	350
25382	W	35	34.910	104.127	2	08	04/23/77	16	28.0	25.0			8.7	360
25384	W	35	34.955	104.323	2	08	04/23/77	17	26.0	23.0			8.3	470
25385	W	35	34.357	104.258	2	08	04/25/77	9	25.0	17.0			5.9	600
25386	W	35	34.347	104.255	2	08	04/25/77	9	25.0	18.5			6.1	600
25387	W	35	34.372	104.312	2	08	04/25/77	9	25.0	19.0			6.0	600
25388	W	35	34.331	104.329	2	08	04/25/77	9	26.0	22.0			5.8	800
25389	W	35	34.319	104.342	2	08	04/25/77	10	26.0	19.5			5.9	800
25390	W	35	34.318	104.365	2	08	04/25/77	10	27.0	20.0			6.0	950
25391	W	35	34.304	104.311	2	08	04/25/77	10	26.0	22.0			5.7	650
25394	W	35	34.301	104.268	2	08	04/25/77	13	29.0	21.0			6.4	700
25396	W	35	34.267	104.267	2	08	04/25/77	14	29.0	24.0			6.3	610
25398	W	35	34.361	104.143	2	08	04/25/77	15	31.0	24.0			6.4	900
25400	W	35	34.342	104.156	2	08	04/25/77	15	31.0	26.0			6.6	840
25402	W	35	34.315	104.156	2	08	04/25/77	15	31.0	25.0			6.6	900
25403	W	35	34.313	104.127	2	08	04/25/77	15	31.0	24.0			2.8	2200
25406	W	35	34.678	104.162	2	08	04/29/77	11	28.0	22.0			8.3	1520
25407	W	35	34.545	104.020	2	08	04/26/77	10	25.0	17.0			7.6	1200
25408	W	35	34.572	104.019	2	08	04/26/77	10	25.0	1.8			7.8	190
25409	W	35	34.566	104.027	2	08	04/26/77	11	27.0	20.0			8.4	550
25410	W	35	34.600	104.002	2	08	04/26/77	10	25.0	18.0			7.3	280
25411	W	35	34.619	104.006	2	08	04/26/77	10	25.0	20.0			7.5	240
25412	W	35	34.605	104.062	2	08	04/26/77	11	27.0	21.0	C		8.3	700
25414	W	35	34.602	104.106	2	08	04/26/77	11	27.0	21.0	C		8.3	600
25415	W	35	34.581	104.055	2	08	04/26/77	11	28.0	23.5			8.5	530
25416	W	35	34.619	104.122	2	08	04/26/77	12	28.0	22.5			7.7	510
25418	W	35	34.604	104.133	2	08	04/26/77	12	28.0	24.5	C		7.7	110
25420	W	35	34.390	104.342	2	08	04/26/77	15	31.0	25.0			9.6	240
25421	W	35	34.391	104.363	2	08	04/26/77	15	30.0	24.5			7.6	250
25422	W	35	34.366	104.370	2	08	04/26/77	15	31.0	25.0			7.5	250
25423	W	35	34.357	104.332	2	08	04/26/77	15	31.0	26.0			7.3	220
25424	W	35	34.345	104.364	2	08	04/26/77	16	32.0	27.0			7.5	200
25425	W	35	34.427	104.376	2	08	04/26/77	16	32.0	25.0			7.3	150
25426	W	35	34.449	104.386	2	08	04/26/77	16	32.0	26.5			7.6	160
25427	W	35	34.392	104.386	2	08	04/26/77	17	30.0	24.0			7.4	260
25428	W	35	34.385	104.367	2	08	04/26/77	17	30.0	23.5			7.6	260
25429	W	35	34.447	104.106	2	08	04/27/77	15	30.0	24.5			6.6	1100
25433	W	35	34.868	104.191	2	08	04/28/77	11	29.0	22.5			8.7	150
25434	W	35	34.855	104.156	2	08	04/28/77	11	29.0	20.5			8.5	150
25435	W	35	34.836	104.168	2	08	04/28/77	11	30.0	23.5			8.5	130
25436	W	35	34.842	104.207	2	08	04/28/77	11	30.0	24.0			8.7	150
25437	W	35	34.917	104.098	2	08	04/28/77	13	30.0				7.8	510
25440	W	35	34.946	104.107	2	08	04/28/77	12	31.0	24.5			7.6	220
25441	W	35	34.947	104.087	2	08	04/28/77	12	31.0	23.0			7.6	220

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	ATYP	ACOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-DP (FEET)	BATD (FEET)
25365	3	12					3	1	2	1	2	2		
25366	3	7					3	1	2	1	2	2		
25368	3	6					3	1	2	1	2	2		
25369	3	6					3	1	1	1	2	2		
25370	3	8					3	1	1	1	2	2		
25371	3	5					2	1	1	1	2	3		
25372	3	7					3	1	1	1	2	2		
25374	3	11					3	1	1	1	2	2		
25375	3	12					2	1	2	1	2	2		
25376	3	7					3	1	2	1	2	2		
25378	3	5					2	1	2	1	2	2		
25381	3	8					3	1	2	2	2	2		
25382	3	10					3	1	2	2	2	2		
25384	3	4					3	1	2	2	2	2	180	
25385	3	7					3	1	1	1	2	2		
25386	3	5					3	1	1	1	2	2		
25387	3	4					3	1	1	1	2	2		
25388	3	7					3	1	2	1	2	2		
25389	3	6					3	1	2	1	2	2		
25390	3	5					3	1	1	2	2	2		
25391	3	7					3	1	1	1	2	2		
25394	3	4					3	1	2	1	2	2		
25396	3	6					3	1	1	1	2	2		
25398	3	6					3	1	2	1	2	2		
25400	3	8					3	1	2	1	2	2		
25402	3	5					2	1	1	1	2	2		
25403	3	5					3	1	1	1	2	2		
25406	3	7					3	1	1	1	2	2		
25407	1	8					3	1	2	1	1	1		
25408	3	6					3	1	2	1	2	2		
25409	3	9					3	1	1	1	2	2		
25410	3	5					3	1	1	1	2	2		
25411	3	6					3	1	2	1	2	2		
25412	3	6					3	1	3	1	2	2		
25414	3	4					3	1	2	1	2	2		
25415	3	11					3	1	2	1	2	2		
25416	3	5					3	1	2	1	2	2		
25418	1	8					3	1	2	1	3	1		
25420	3	7					3	1	1	1	3	2		
25421	1	8					3	1	1	1	3			
25422	3	6					3	1	1	1	2	2		
25423	3	8					3	1	1	1	2	2		
25424	3	10					3	1	1	1	2	2		
25425	3	11					3	1	1	1	2	2		
25426	3	6					3	1	1	1	2	2		
25427	3	6					3	1	1	1	2	3		
25428	3	6					3	1	1	1	2	2		
25429	3	8					3	1	2	2	2	2		
25433	3	6					3	1	3	1	2	2		
25434	3	6					3	1	2	1	2	2		
25435	3	4					3	1	3	1	2	2		
25436	3	7					3	1	3	1	2	3		
25437	3	7					3	1	3	1	2	2		
25440	3	7					3	1	3	1	2	2		
25441	3	7					3	1	3	1	2	2		

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
25365	3.43	5	1863	2777	247	<1	56.7	78	2	14	24	3095	<0.1	46	4.0
25366	30.90	11	73	384	96	<1	640.2	189	10	46	9	<10	3.6	28	115.7
25368	10.72	<2	<10	405	96	<1	373.3	46	<2	17	<2	<10	1.6	15	68.6
25369	14.30	9	231	745	374	<1	764.9	80	19	37	5	477	3.6	34	161.4
25370	54.49														
25371	8.56	4	105	621	167	<1	244.8	<30	4	<4	2	419	1.3	13	62.0
25372	7.64	<2	1215	891	245	<1	348.3	33	<2	<4	6	2006	1.2	19	87.8
25374	8.54	<2	333	984	191	<1	312.3	<30	<2	16	17	735	2.1	23	117.6
25375		<2	36	601	130	<1	139.3	<30	<2	<4	9	99	1.3	16	25.6
25376	10.56	4	312	754	63	<1	39.9	<30	5	<4	69	282	1.3	170	21.6
25378	6.28	4	180	781	69	<1	44.2	<30	<2	<4	74	156	1.3	158	21.1
25381	423.00														
25382	172.00														
25384	115.00	<2	90	1298	21	<1	137.8	<30	<2	<4	24	922	11.6	367	167.3
25385	8.58	<2	<10	142	17	<1	111.9	<30	<2	<4	3	<10	3.2	67	54.6
25386	33.96														
25387	6.42	<2	100	187	27	<1	239.5	<30	6	<4	15	1540	5.3	68	93.4
25388	10.00	<2	38	216	17	<1	267.2	<30	<2	<4	4	776	3.8	81	97.0
25389	12.52														
25390	10.14	<2	<10	41	<2	<1	599.6	<30	<2	<4	<2	174	<0.1	62	153.2
25391	3.36	<2	<10	45	<2	<1	280.7	<30	<2	<4	<2	<10	<0.1	93	151.5
25394	13.86	<2	53	426	30	<1	129.3	<30	<2	<4	4	96	5.3	108	102.2
25396	80.17	<2	318	911	81	<1	578.1	<30	<2	<4	18	16359	13.2	257	286.4
25398	39.06	<2	234	1467	115	<1	485.7	<30	<2	<4	43	336	10.7	334	201.6
25400	16.58	<2	95	820	64	<1	271.9	<30	<2	<4	16	237	5.0	196	112.1
25402	20.80	<2	109	662	50	<1	72.0	<30	<2	<4	60	233	2.9	157	43.8
25403	83.86	4	107	1585	39	<1	62.9	40	3	18	15	79	2.8	199	116.2
25406	50.22	<2	136	679	54	<1	97.9	<30	<2	<4	24	149	1.9	108	53.5
25407	6.20	7	536	453	168	<1	428.3	36	11	8	107	338	5.9	45	48.9
25408	19.74														
25409	20.40	4	307	813	92	<1	185.3	<30	10	<4	144	390	10.1	341	198.4
25410	46.82														
25411	15.56	<2	661	1041	241	<1	410.0	<30	<2	<4	81	777	15.4	354	218.1
25412	31.84	<2	<10	552	29	<1	114.5	<30	<2	<4	3	73	<0.1	146	42.5
25414	82.30	<2	85	876	49	<1	109.3	<30	2	<4	41	122	2.2	259	58.7
25415	45.04	<2	568	1284	85	<1	162.3	<30	<2	<4	74	540	3.9	322	82.9
25416	72.84														
25418	5.86	5	422	232	130	<1	81.8	<30	6	<4	14	228	1.9	56	30.5
25420	2.04	13	243	226	53	<1	424.5	77	25	32	19	300	3.6	98	120.2
25421	4.86	5	232	234	47	<1	676.8	<30	12	24	29	170	5.8	91	122.4
25422	6.64	<2	637	230	44	<1	402.1	<30	5	10	15	453	4.3	100	109.9
25423	13.56	<2	1148	462	97	<1	418.6	<30	<2	<4	33	1261	15.2	181	213.3
25424	13.86	<2	113	205	35	<1	162.5	<30	2	<4	10	316	5.9	94	99.8
25425	12.34	3	791	331	84	<1	541.9	68	10	29	18	1350	5.6	125	177.2
25426	8.98	4	226	144	36	<1	237.4	58	5	16	4	549	1.2	48	73.2
25427	9.28	<2	299	255	56	<1	496.5	<30	<2	<4	8	632	2.8	70	117.2
25428	24.86														
25429	93.32	<2	164	1768	50	<1	179.2	<30	<2	<4	19	355	3.8	172	89.9
25433	11.30	<2	<10	227	49	<1	36.3	<30	<2	<4	5	72	<0.1	27	20.5
25434	13.22	<2	737	256	71	<1	46.1	<30	<2	<4	3	693	0.2	29	23.0
25435		<2	846	1062	228	<1	218.5	<30	<2	<4	90	743	1.8	94	77.1
25436	12.26	<2	516	673	143	<1	140.5	<30	<2	<4	34	719	<0.1	62	48.5
25437	7.00	<2	<10	482	10	<1	15.2	<30	<2	<4	<2	<10	2.7	52	72.3
25440	116.00														
25441		4	850	1020	514	<1	467.3	<30	2	9	409	716	11.2	102	149.2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
25365	107	69	123.8	61	217	<1	24.7	459	13	13	4	667	9
25366	7	<4	15.8	5	<40	1	28.6	6882	10	191	7	12	32
25368	<2	<4	23.2	<4	50	<1	14.2	3837	<2	80	4	11	12
25369	109	19	34.7	7	<40	<1	69.8	11563	8	406	8	411	41
25370													
25371	16	34	34.9	6	<40	<1	6.1	4517	<2	117	<1	129	9
25372	73	21	49.5	24	87	<1	10.8	6352	21	170	1	298	2
25374	32	28	75.0	<4	332	<1	3.4	8855	<2	108	<1	307	4
25375	25	<4	67.6	<4	<40	<1	4.6	5026	5	110	<1	101	<2
25376	17	15	417.6	18	<40	<1	11.2	1337	<2	<4	<1	421	7
25378	21	11	403.2	31	<40	<1	11.5	1225	<2	<4	1	467	4
25381													
25382													
25384	15	137	282.5	5	<40	<1	11.2	39133	2	153	1	331	<2
25385	<2	<4	32.4	<4	<40	<1	18.6	2295	<2	15	<1	<4	<2
25386													
25387	71	7	36.9	8	<40	1	17.9	4366	7	13	1	328	<2
25388	79	<4	34.1	<4	<40	<1	11.7	5249	<2	<4	<1	179	5
25389													
25390	5	<4	34.9	<4	<40	<1	16.9	10498	<2	<4	<1	294	<2
25391	51	<4	53.5	<4	<40	<1	1.3	6680	<2	<4	<1	320	<2
25394	12	24	77.0	6	<40	<1	9.5	5388	<2	<4	<1	65	<2
25396	352	10	127.7	13	<40	<1	15.2	17614	7	<4	<1	176	<2
25398	43	6	757.4	<4	<40	<1	70.0	26453	9	325	<1	1144	<2
25400	26	36	419.2	10	<40	<1	40.9	14453	<2	194	<1	614	<2
25402	17	9	588.6	<4	120	<1	22.5	4316	<2	28	<1	141	<2
25403	8	7	648.8	6	<40	1	4.9	3771	3	41	<1	90	13
25406	16	<4	181.3	10	<40	<1	16.5	3474	<2	8	<1	114	<2
25407	45	5	127.2	2563	59	2	41.6	3304	14	59	2	13304	4
25408													
25409	22	18	405.3	<4	51	<1	17.8	7470	<2	47	<1	259	<2
25410													
25411	40	<4	377.3	19	46	<1	109.3	13508	58	218	<1	765	<2
25412	29	6	453.4	<4	<40	<1	6.1	3495	<2	15	<1	36	<2
25414	22	37	531.4	<4	<40	<1	2.8	3630	<2	32	<1	159	<2
25415	42	42	726.3	16	71	1	4.5	5280	8	52	1	284	2
25416													
25418	7	<4	108.5	62	<40	<1	17.8	2101	<2	46	1	536	2
25420	12	<4	72.4	35	<40	<1	28.0	5151	4	22	5	273	12
25421	20	<4	76.5	30	<40	2	42.4	5572	14	26	2	643	10
25422	41	<4	38.9	17	<40	<1	25.2	5752	6	57	1	1051	5
25423	67	10	58.4	38	<40	1	41.5	10714	22	27	<1	795	<2
25424	18	17	34.1	16	<40	<1	19.7	4931	<2	35	<1	319	3
25425	89	10	66.2	26	<40	<1	41.4	7620	11	58	4	801	22
25426	32	4	28.2	28	<40	<1	19.3	3173	<2	16	1	374	4
25427	78	14	33.8	14	<40	<1	35.2	7016	5	35	<1	321	<2
25428													
25429	26	27	718.1	14	<40	<1	17.9	8241	4	41	<1	325	<2
25433	7	<4	123.0	23	61	<1	6.6	800	<2	6	<1	35	4
25434	32	6	122.2	<4	82	<1	7.9	914	2	8	3	41	11
25435	50	26	534.1	66	218	<1	5.9	3651	6	<4	<1	304	<2
25436	36	18	341.0	6	50	<1	4.8	2319	2	<4	<1	63	<2
25437	2	18	187.2	<4	<40	<1	37.0	209	<2	38	<1	<4	6
25440													
25441	306	5	446.7	109	314	6	82.9	12341	27	99	<1	4090	2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONM	MEAS	PH	CT-F
25442	W	35	34.960	104.062	2	08	04/28/77	13	32.0	25.0			8.4	160
25443	W	35	34.978	104.069	2	08	04/28/77	13	32.0	26.0			8.6	120
25445	W	35	34.967	104.155	2	08	04/28/77	13	32.0	24.5			8.2	150
25453	W	35	34.948	104.019	2	08	04/28/77	14	28.0	24.0			8.1	180
25458	W	35	34.742	104.144	2	08	04/29/77	11	29.0	23.0			8.5	520
25459	W	35	34.754	104.141	2	08	04/29/77	12	29.0	24.0			7.5	700
25461	W	35	34.771	104.189	2	08	04/29/77	14	33.0	25.5			6.8	340
25462	W	35	34.787	104.173	2	08	04/29/77	15	33.0	24.5			6.6	360
25463	W	35	34.806	104.161	2	08	04/29/77	14	33.0	26.0			7.3	360
25466	W	35	34.850	104.247	2	08	04/29/77	15	34.0	26.0			7.2	350
25467	W	35	34.834	104.126	2	08	04/29/77	13	32.0	24.5			6.6	500
25469	W	35	34.805	104.136	2	08	04/29/77	13	32.0	22.5			7.1	520
25470	W	35	34.768	104.137	2	08	04/29/77	12	29.0	23.0			7.5	610
25474	W	35	34.368	104.025	2	08	04/29/77	18	30.0	25.5	C		6.6	800
25475	W	35	34.347	104.017	2	08	04/29/77	18	29.0	25.0	C		6.8	850
25479	W	35	34.259	104.031	2	08	04/29/77	19	28.0	26.0	C		6.7	450
25481	W	35	34.342	104.386	2	08	04/30/77	10	26.0	18.5			7.6	1600
25482	W	35	34.370	104.462	2	08	04/30/77	10	26.0	17.5			7.3	1650
25483	W	35	34.350	104.449	2	08	04/30/77	10	27.0	19.0			6.6	1550
25484	W	35	34.362	104.454	2	08	04/30/77	10	27.0	20.5			6.8	1640
25485	W	35	34.331	104.474	2	08	04/30/77	11	27.0	19.0			7.3	1530
25486	W	35	34.316	104.410	2	08	04/30/77	11	28.0	21.0			7.8	1750
25487	W	35	34.335	104.413	2	08	04/30/77	11	28.0	22.0			6.5	1700
25491	W	35	34.283	104.447	2	08	04/30/77	12	31.0	24.5			7.6	1700
25492	W	35	34.304	104.481	2	08	04/30/77	13	32.0	26.5			6.8	1560
25493	W	35	34.264	104.477	2	08	04/30/77	13	32.0	24.0			6.3	1660
25495	W	35	34.270	104.393	2	08	04/30/77	13	32.0	25.5			7.8	1000
25496	W	35	34.266	104.349	2	08	05/01/77	10	28.0	19.0			7.4	1700
25497	W	35	34.393	104.429	2	08	05/01/77	10	27.0	20.0			8.3	1240
25499	W	35	34.409	104.434	2	08	05/01/77	11	29.0	20.5			7.2	1200
25500	W	35	34.432	104.443	2	08	05/01/77	11	30.0	21.0			7.4	1240
25501	W	35	34.500	104.219	2	08	04/01/77	8	14.0	10.0			7.8	165
25504	W	35	34.462	104.159	2	08	04/01/77	11	18.0	18.0			6.8	18
25505	W	35	34.453	104.132	2	08	04/04/77	8	8.0	0.5			8.0	10
25506	W	35	34.434	104.182	2	08	04/04/77	9	7.0	8.0			7.9	9
25507	W	35	34.419	104.158	2	08	04/04/77	10	11.0	1.0			8.9	15
25509	W	35	34.395	104.171	2	08	04/04/77	11	14.0	16.0			8.0	36
25510	W	35	34.391	104.131	2	08	04/04/77	11	17.0	1.2			9.8	13
25511	W	35	34.444	104.275	2	08	04/04/77	13	19.0	15.0			7.5	17
25512	W	35	34.419	104.267	2	08	04/04/77	14	14.0	19.0			7.5	18
25513	W	35	34.389	104.247	2	08	04/04/77	14	21.0	13.0			8.2	1
25514	W	35	34.376	104.211	2	08	04/04/77	14	21.0	13.0			8.0	82
25515	W	35	34.414	104.227	2	08	04/04/77	14	20.0	17.0			7.0	22
25516	W	35	34.318	104.027	2	08	04/04/77	15	16.0	1.1			9.3	8
25518	W	35	34.337	104.062	2	08	04/05/77	11	16.0	10.0			8.9	7
25519	W	35	34.327	104.048	2	08	04/05/77	13	19.0	14.0			7.9	5
25520	W	35	34.317	104.052	2	08	04/05/77	14	20.0	13.0			7.4	12
25521	W	35	34.373	104.104	2	08	04/05/77	14	19.0	15.0			8.0	8
25522	W	35	34.382	104.062	2	08	04/05/77	14	23.0	14.0			8.0	11000
25524	W	35	34.417	104.065	2	08	04/05/77	16	21.0	16.0			9.0	9
25526	W	35	34.505	104.143	2	08	04/07/77	10	15.0	13.0			8.6	22
25527	W	35	34.535	104.205	2	08	04/07/77	10	15.0	13.0			7.5	39
25529	W	35	34.552	104.170	2	08	04/07/77	11	18.0	19.0			8.3	14
25530	W	35	34.536	104.244	2	08	04/07/77	13	26.0	18.0			7.7	11
25531	W	35	34.569	104.220	2	08	04/07/77	14	26.0	18.0			6.3	8

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEC	DIAM (INCHES)	W-DP (FEET)	BATD (FEET)
25442	3	8					3	1	4	2	2	2		
25443	3	8					3	1	4	2	2	2		
25445		10					3	1	3	2	1	1		
25453	3	7					3	1	3	1	2	3		
25458	3	11					3	1	2	1	2	2		
25459	3	6					3	1	2	1	2	2		
25461	3	12					3	2	3	1	2	2		
25462	3	6					3	2	3	1	2	2		
25463	3	5					3	1	3	1	2	3		
25466	3	7					3	1	3	1	2	2		
25467	3	5					3	2	2	1	2	2		
25469	3	6					3	1	2	1	2	2		
25470	3	4					3	2	2	1	2	3		
25474	3	6					3	2	1	1	2	2		
25475	3	8					3	1	1	1	2	2		
25479	3	6					3	1	1	1	2	2		
25481	3	8					3	2	1	1	2	2		
25482	3	4					2	1	2	1	2	2		
25483	3	6					2	1	2	1	2	2		
25484	3	11					3	1	2	1	2	3		
25485	3	3					3	2	1	1	2	2		
25486	3	7					3	1	1	1	2	2		
25487	3	6					3	2	2	1	2	2		
25491	3	8					3	1	2	1	2	2		
25492	3	8					3	1	2	1	2	3		
25493	3	6					3	2	2	1	2	2		
25495	3	8					3	1	2	1	2	2		
25496	3	5					3	2	2	1	2	3		
25497	3	5					3	1	1	1	2	2		
25499	3	8					3	1	1	1	2	3		
25500	3	6					3	1	1	1	2	2		
25501	9	41					1	1	1	1	1			
25504	1	2					1	1	1	1	1			
25505	9	6					3	1	1	1	1			
25506	9	10						3	1	1	1			
25507	9	12						3	1	1	1			
25509	9	11					1	2	3	1	1			
25510	9	2					2	2	3	1	1			
25511	9	6					2	1	1	1	1			
25512	9	6					2	1	1	1	1			
25513	9	2					2	2	1	1			10	
25514	9	4					2	1	1	1	1			
25515	9	8					2	2	3	1	1			
25516	9	8					2	2	2	1	1			
25518	9	6					2	2	1	1	1			
25519	9	6					2	1	1	1	1			
25520	9	4					2	2	1	1	1			
25521	9	6					2	2	2	1	1			
25522	9	4					2	2	1	1	1			
25524		2					2	2	1	1	1			
25526		6					2	1	1	1	1			
25527		6					2	1	1	1	1			
25529		10					2	1	4	1				
25530		8					2	2	1	1	1			
25531		6					2	2	2	1	1			

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
25442	7.78	<2	78	49	55	<1	68.2	<30	<2	<4	54	107	3.2	17	12.4
25443	6.05	<2	106	75	137	<1	100.3	64	<2	5	77	154	4.7	24	18.1
25445	3.46	<2	452	128	209	<1	162.3	45	<2	<4	27	416	3.9	48	33.8
25453	3.80	<2	<10	64	104	<1	88.7	<30	<2	<4	9	46	1.3	22	18.9
25458	29.30	5	204	787	65	<1	91.8	100	12	10	27	157	3.3	152	63.4
25459	53.96	3	<10	718	33	<1	55.7	85	7	16	<2	<10	0.2	121	70.9
25461	28.64	<2	<10	787	49	<1	63.0	<30	2	<4	<2	<10	<0.1	141	80.7
25462	103.80														
25463		<2	1747	1746	180	<1	645.0	<30	<2	<4	46	1098	24.6	535	357.3
25466	21.88	<2	31	434	49	<1	89.6	<30	<2	<4	34	79	0.6	91	33.0
25467	27.20	2	269	561	66	<1	114.8	<30	5	11	49	192	1.3	122	42.8
25469	39.00	<2	617	676	285	<1	238.9	<30	<2	<4	105	504	0.4	232	59.0
25470	18.66	10	412	573	279	<1	690.4	64	15	25	54	614	<0.1	36	48.6
25474	90.05														
25475	20.68	<2	763	831	104	<1	559.2	<30	<2	<4	2	1117	<0.1	28	87.1
25479	14.64	<2	355	600	155	<1	343.0	<30	<2	<4	<2	733	1.3	27	69.6
25481	6.24	<2	<10	382	36	<1	1784.0	<30	<2	<4	<2	404	4.1	31	184.1
25482	5.96	<2	216	431	46	<1	2119.0	<30	<2	<4	13	466	2.8	37	211.5
25483	4.16	<2	131	377	37	<1	1867.0	<30	<2	<4	19	422	2.7	33	185.9
25484	20.64	<2	1540	1046	159	<1	5263.0	<30	9	<4	51	3150	6.9	78	527.3
25485	12.62	37	1038	644	106	1	3126.0	514	72	117	46	1977	8.1	62	311.0
25486	4.42	<2	747	446	85	<1	2039.0	<30	15	<4	20	1455	2.9	43	221.0
25487	17.64	<2	<10	264	23	<1	1405.0	<30	4	<4	<2	<10	0.7	23	144.5
25491	7.24	20	115	340	44	<1	2179.0	259	26	62	<2	930	2.9	26	189.9
25492	7.72	15	<10	357	25	<1	2312.0	225	35	54	<2	356	<0.1	25	202.7
25493	5.72	26	435	368	46	1	2042.0	372	64	103	31	440	3.3	26	171.6
25495	6.20	<2	90	403	41	<1	2515.0	71	17	19	<2	617	0.2	28	214.4
25496	19.46	29	2710	620	97	1	2673.0	314	46	95	221	1246	30.0	53	218.0
25497	5.64	<2	265	743	115	<1	3345.0	<30	5	<4	31	630	<0.1	57	322.6
25499	7.62	5	736	326	61	<1	1298.0	134	25	27	48	1319	6.1	25	109.1
25500	14.04	<2	<10	564	88	<1	2633.0	<30	<2	<4	<2	2619	<0.1	43	232.2
25501	11.38	<2	<10	1815	61	<1	507.1	<30	<2	<4	4	334	<0.1	49	123.0
25504	35.58	<2	<10	1156	67	<1	700.8	<30	<2	<4	<2	71	<0.1	38	141.9
25505	25.26	<2	<10	1453	220	<1	259.5	<30	<2	<4	2	444	1.1	38	44.4
25506	6.20	<2	2790	1188	416	<1	605.4	<30	<2	15	30	4533	4.7	35	134.4
25507	22.46	4	1027	860	258	<1	223.5	104	5	46	10	2067	5.8	30	67.7
25509	50.98	<2	102	1641	156	<1	1080.0	<30	<2	16	<2	200	1.6	63	244.6
25510		9	366	2912	450	<1	957.4	<30	20	17	4	1719	10.4	136	360.3
25511	3.22	<2	<10	244	79	<1	652.7	<30	<2	<4	<2	149	<0.1	9	44.7
25512	3.48	11	106	175	59	<1	708.6	71	8	52	23	120	2.8	15	63.2
25513	10.08	<2	<10	546	71	<1	1154.0	<30	<2	<4	<2	269	1.8	29	173.4
25514	5.66	8	<10	458	65	<1	1308.0	44	26	38	<2	129	<0.1	23	137.1
25515	3.12	12	<10	252	17	<1	3281.0	253	<2	64	<2	434	<0.1	14	128.4
25516	27.30	25	3791	887	153	1	184.7	273	35	78	<2	4792	1.5	58	64.7
25518	22.16	<2	<10	1060	269	<1	337.5	<30	<2	<4	<2	206	<0.1	60	92.6
25519	10.34	<2	<10	577	186	<1	274.4	<30	<2	<4	3	241	<0.1	22	39.1
25520	12.90	<2	<10	1453	117	<1	650.7	<30	<2	<4	<2	224	<0.1	75	137.5
25521		<2	<10	1646	174	<1	926.3	<30	<2	<4	31	836	1.3	70	212.2
25522	14.00	4	<10	1066	100	<1	572.8	171	21	28	4	157	<0.1	43	91.1
25524	16.70	<2	189	1576	259	<1	184.4	<30	<2	<4	<2	1139	1.3	42	40.5
25526	27.60	<2	126	2562	117	<1	108.3	<30	2	<4	<2	322	0.7	33	13.9
25527	42.52	<2	54	2450	89	<1	1640.0	<30	<2	5	<2	329	<0.1	77	245.8
25529	1.20	15	759	2759	102	<1	153.1	307	19	56	12	1295	2.8	32	17.5
25530	16.72	<2	<10	1124	112	<1	271.1	<30	<2	<4	16	1835	<0.1	24	69.6
25531	16.68	5	<10	927	222	<1	674.1	96	7	7	13	436	<0.1	32	121.6

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
25442	9	21	26.9	<4	50	<1	15.2	845	<2	42	<1	62	<2
25443	12	<4	38.3	6	82	<1	21.8	1242	<2	64	<1	96	4
25445	24	5	45.8	<4	<40	<1	27.7	2267	3	45	<1	1887	<2
25453	5	<4	26.3	8	<40	<1	16.4	1258	<2	23	<1	1065	<2
25458	20	<4	268.5	23	<40	<1	20.0	4028	<2	45	1	767	<2
25459	43	25	291.5	7	<40	<1	21.9	3956	<2	31	2	<4	3
25461	50	34	335.0	<4	<40	<1	24.2	4452	<2	13	1	<4	2
25462													
25463	135	<4	666.2	26	54	2	79.3	23128	21	236	<1	288	<2
25466	44	5	122.3	<4	<40	<1	10.5	2535	<2	<4	<1	236	<2
25467	58	<4	160.9	<4	<40	<1	13.6	3264	<2	<4	<1	265	<2
25469	42	5	145.2	26	<40	<1	34.7	4748	4	<4	<1	332	<2
25470	45	13	19.9	43	182	<1	39.4	4563	7	29	5	864	10
25474													
25475	134	9	53.9	42	<40	<1	18.9	5180	<2	11	<1	220	<2
25479	42	<4	30.1	<4	<40	<1	62.0	6421	<2	292	<1	1423	<2
25481	55	24	12.2	128	<40	<1	36.8	12447	6	71	<1	1010	<2
25482	70	16	12.7	37	<40	<1	43.0	14267	24	93	<1	1094	<2
25483	47	<4	11.4	170	<40	<1	37.5	12403	20	88	<1	1460	<2
25484	375	44	28.9	436	266	<1	106.6	35964	73	293	9	3523	<2
25485	247	65	19.2	362	329	<1	63.4	21019	42	259	22	2175	77
25486	184	27	16.3	75	150	<1	43.9	14829	16	101	3	1342	<2
25487	3	<4	8.4	<4	<40	<1	29.9	9515	5	63	<1	<4	<2
25491	99	<4	10.2	248	158	<1	40.0	12543	13	133	12	1500	55
25492	30	35	10.6	270	50	<1	42.3	13309	<2	163	10	1381	24
25493	44	43	8.7	189	78	3	37.2	11169	39	187	14	1296	57
25495	57	22	10.8	213	<40	<1	45.9	14064	22	146	4	1479	23
25496	117	59	9.6	55	54	54	38.6	16352	181	120	15	920	51
25497	134	<4	25.9	35	71	<1	38.5	20527	38	47	4	337	5
25499	78	<4	7.8	33	40	8	40.8	6905	41	110	5	884	10
25500	134	14	17.0	6	<40	<1	83.2	14973	13	125	<1	1560	<2
25501	16	26	141.6	<4	289	<1	39.2	9938	<2	186	<1	1224	9
25504	3	<4	96.7	6	<40	<1	44.5	12042	<2	125	<1	1861	<2
25505	13	135	109.6	59	<40	<1	24.0	4513	<2	226	<1	490	<2
25506	296	11	59.0	13	591	<1	48.0	7973	49	152	3	630	12
25507	196	<4	73.5	10	749	<1	6.0	3866	<2	110	7	197	30
25509	802	66	179.4	<4	<40	<1	28.6	20907	11	76	2	101	<2
25510	134	58	137.9	25	1022	<1	5.0	37333	9	551	<1	735	6
25511	13	<4	18.3	<4	<40	<1	46.9	2818	<2	26	<1	174	<2
25512	32	12	13.9	17	68	1	37.9	3531	11	90	8	237	35
25513	44	<4	19.2	<4	<40	<1	29.6	10134	3	66	1	4049	15
25514	17	32	37.8	<4	<40	<1	18.3	9350	2	42	4	269	29
25515	35	23	29.6	24	86	<1	18.0	16285	22	41	11	401	43
25516	65	68	58.8	28	438	<1	12.2	3165	105	376	13	216	54
25518	19	46	59.1	<4	102	<1	13.2	6047	<2	429	<1	208	<2
25519	8	37	25.9	5	78	<1	42.2	3038	<2	203	<1	183	<2
25520	24	27	79.7	82	<40	<1	40.8	11931	<2	459	<1	162	3
25521	32	103	74.2	54	<40	<1	129.7	23062	<2	774	<1	615	<2
25522	13	47	63.4	25	108	<1	62.0	8537	<2	316	4	446	19
25524	101	104	86.5	25	820	<1	24.6	2251	<2	637	<1	238	<2
25526	58	91	1501.0	14	76	<1	24.6	2147	2	72	<1	136	<2
25527	176	18	1651.0	6	<40	<1	81.1	21138	16	181	1	230	<2
25529	67	99	156.6	41	154	<1	14.8	1827	12	36	8	306	42
25530	64	13	49.7	<4	218	<1	30.0	5119	<2	<4	<1	311	<2
25531	81	<4	41.9	44	95	<1	14.5	9518	<2	185	2	1225	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
25533	W	35	34.446	104.302	2	08	04/11/77	10	15.0	15.0			7.3	12
25534	W	35	34.446	104.330	2	08	04/11/77	10	16.0	17.0			7.0	9
25535	W	35	34.463	104.331	2	08	04/11/77	10	19.0	15.0			7.6	9
25536	W	35	34.471	104.367	2	08	04/11/77	11	20.0	15.0			8.0	9
25537	W	35	34.446	104.361	2	08	04/11/77	11	19.0	16.0			7.9	10
25538	W	35	34.537	104.358	2	08	04/11/77	12	24.0	18.0			8.2	7
25540	W	35	34.485	104.301	2	08	04/11/77	14	25.0	18.0			7.5	9
25541	W	35	34.492	104.353	2	08	04/11/77	14	25.0	19.0			8.0	8
25542	W	35	34.501	104.304	2	08	04/11/77	15	27.0	18.0			7.0	7
25543	P	35	34.511	104.303	2	06	04/11/77	16	27.0	19.0			8.4	8
25544	W	35	34.516	104.273	2	08	04/12/77	9	16.0	15.0			7.4	7
25546	P	35	34.540	104.326	2	06	04/12/77	13	26.0	19.0			7.9	14
25547	P	35	34.545	104.364	2	06	04/12/77	15	28.0	18.0			7.6	12
25548	W	35	34.505	104.232	2	08	04/15/77	12	20.0	15.0			7.6	210
25549	W	35	34.547	104.209	2	08	04/15/77	12	20.0	18.0			7.4	310
25550	W	35	34.603	104.219	2	08	04/15/77	12	22.0	18.0			8.3	90
25551	W	35	34.585	104.162	2	08	04/15/77	12	22.0	17.0			8.0	105
25553	W	35	34.630	104.182	2	08	04/15/77	13	24.0	18.0			9.8	110
25554	W	35	34.634	104.225	2	08	04/15/77	13	26.0	19.0			8.3	80
25555	W	35	34.634	104.239	2	08	04/15/77	14	26.0	19.0			8.6	80
25557	W	35	34.642	104.145	2	08	04/15/77	15	28.0	20.0			9.0	140
25558	W	35	34.645	104.179	2	08	04/15/77	15	28.0	20.0			7.2	440
25559	W	35	34.661	104.182	2	08	04/15/77	15	28.0	20.0			7.6	60
25560	W	35	34.672	104.162	2	08	04/15/77	16	27.0	20.0			9.1	50
25565	W	35	34.559	104.267	2	08	04/17/77	12	20.0				8.4	940
25566	W	35	34.567	104.259	2	08	04/16/77	12	22.0	16.0			7.7	860
25567	W	35	34.568	104.266	2	08	04/16/77	12	23.0	19.0			7.9	1050
25568	W	35	34.569	104.315	2	08	04/16/77	13	23.0	19.0			8.0	780
25569	W	35	34.582	104.351	2	08	04/16/77	13	23.0	20.0			8.2	1000
25570	W	35	34.656	104.309	2	08	04/17/77	10	22.0	20.0			6.4	1800
25571	W	35	34.633	104.262	2	08	04/17/77	10	22.0	18.0			7.6	1500
25572	W	35	34.634	104.347	2	08	04/17/77	10	23.0	18.0			6.5	1500
25573	W	35	34.664	104.356	2	08	04/17/77	10	23.0	18.0			7.1	1700
25574	W	35	34.689	104.352	2	08	04/17/77	11	25.0	21.0			6.5	80
25576	W	35	34.674	104.338	2	08	04/17/77	11	26.0	21.0			7.4	340
25578	W	35	34.731	104.366	2	08	04/17/77	11	26.0	21.0			8.1	110
25580	W	35	34.722	104.311	2	08	04/17/77	12	27.0	23.0			8.3	110
25581	W	35	34.705	104.325	2	08	04/17/77	12	27.0	22.0			8.5	280
25582	W	35	34.682	104.257	2	08	04/17/77	13	27.0	20.0			8.6	550
25583	W	35	34.666	104.288	2	08	04/17/77	13	28.0	22.0			8.3	620
25584	W	35	34.675	104.253	2	08	04/17/77	14	28.0	20.0			8.2	550
25585	W	35	34.700	104.268	2	08	04/17/77	14	27.0	21.0			8.2	530
25586	W	35	34.701	104.239	2	08	04/17/77	14	28.0	19.0			7.1	520
25588	W	35	34.727	104.234	2	08	04/17/77	14	27.0	20.0			7.3	560
25589	W	35	34.676	104.013	2	08	04/18/77	10	25.0	23.0			7.5	560
25591	W	35	34.685	104.072	2	08	04/18/77	10	24.0	20.0			7.7	1500
25594	W	35	34.648	104.093	2	08	04/18/77	10	25.0	22.0			7.7	590
25596	W	35	34.631	104.112	2	08	04/18/77	10	25.0	22.0			7.4	550
25597	W	35	34.633	104.012	2	08	04/18/77	11	26.0	23.0			8.5	890
25598	W	35	34.682	104.024	2	08	04/18/77	11	26.0	23.0			8.7	940
25599	W	35	34.704	104.024	2	08	04/18/77	11	26.0	24.0			7.4	520
25600	W	35	34.732	104.005	2	08	04/18/77	11	26.0	23.0			7.2	600
26109	W	35	34.022	104.449	2	08	04/20/77	11	15.0	14.8			7.7	2800
26111	W	35	34.036	104.396	2	08	04/20/77	12	15.0	16.6			7.7	3300
26124	W	35	34.113	104.477	2	08	04/20/77	16	13.0	13.4			7.3	5000

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	NTYP	NCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWLL	DIAM (INCHES)	W-DP (FEET)	WATD (FEET)
25533		4					2	2		3	1			
25534		6					2	3	2		1			
25535		4					2	2	3	2	1			
25536							2	1		1	1			
25537		8					2	1	1	1	1			
25538		8					2	1	1	1	1			
25540		4					2	1	1	1	1			
25541		10					2	1	3	2	1			
25542		4					2	3	2	2	1			
25543		10	1	6	4	6	2		2	2				
25544		2					2		4	1	1			
25546		8	1	6	4	6	2	4	3	1				
25547		6	1	6	5	6	2	4	3	1				
25548	3	8					2	1	1	1	1	2		
25549	3	8					2	2	1	1	2	2		
25550	3	7					2	1	1	1	1	3		
25551	3	8					3	1	1	2	2	2		
25553	3	5					2	1	1	2	2	3		
25554	3	8					3	2	1	2	1	2		
25555	3	8					3	2	1	2	2	2		
25557	3	9					2	1	1	2	2	2		
25558	3	5					2	1	1	2	2	3		
25559	3	7					2	1	1	2	2	3		
25560	3	4					2	1	1	2	2	2		
25565	3	9					3	1	1	2	2	3		
25566	3	7					3	1	1	2	2	3		
25567	3	6					3	1	1	3	2	2		
25568	3	8					3	1	1	2	2	2	150	
25569	3	8					3	1	1	2	2	2		
25570	3	4					3	1	1	2	2	2		
25571	3	6					3	1	1	2	2	2		
25572	3	10					2	2	1	2	2	2		
25573	3	5					3	1	2	2	2	3		
25574	3	6					2	1	2	2	2	2		
25576	3	2					3	1	1	2	2	2		
25578	3	8					2	1	2	2	2	2		
25580	3	7					2	1	3	2	2	2		
25581	3	6					2	1	2	2	2	2		
25582	3	8					2	1	1	2	2	2		
25583	3	5					3	1	1	2	2	2		
25584	3	6					3	1	1	2	2	2		
25585	3	6					3	1	1	2	2	2		
25586	3	3					3	1	1	2	2	2		
25588	3	4					3	1	1	2	2	3		
25589	3	8					3	1	1	1	2	2		
25591	3	5					3	1	1	1	2	2		
25594	3	5					3	1	1	1	2	2		
25596	3	10					3	1	1	1	2	2		
25597	3	5					3	1	1	1	2	2		
25598	3	6					3	1	1	1	2	2		
25599		8					3	1	1	1	1	1		
25600	3	5					3	1	1	1	2	2		
26109	1	6					3	1	2	4	1	3		
26111	1	6					3	1	2	4	3	2		
26124	1	6					3	1	2	4	8			

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
25533	5.08	<2	<10	227	52	<1	1679.0	<30	<2	19	<2	206	<0.1	19	188.1
25534		<2	179	645	139	<1	3154.0	160	11	28	6	2651	1.0	50	385.6
25535	9.72	14	<10	378	90	<1	1646.0	185	26	42	<2	321	<0.1	35	228.8
25536	4.04	<2	<10	241	124	<1	1417.0	80	<2	4	<2	747	1.3	22	166.4
25537	3.88	<2	<10	205	63	<1	1243.0	<30	<2	<4	<2	1148	<0.1	17	146.9
25538	7.26	3	<10	213	133	<1	801.9	<30	7	<4	<2	367	0.2	19	102.6
25540	6.96	<2	<10	157	84	<1	1017.0	<30	<2	<4	<2	114	<0.1	32	104.4
25541	14.10	<2	477	322	64	<1	692.4	<30	<2	<4	37	224	6.6	24	151.2
25542	4.44	5	<10	155	51	<1	765.8	<30	<2	7	<2	384	<0.1	12	81.8
25543	17.82	9	<10	240	142	<1	834.8	43	13	34	<2	134	<0.1	17	110.8
25544	25.16	<2	<10	626	296	<1	868.8	<30	<2	<4	<2	156	<0.1	24	104.5
25546	6.76	<2	471	465	291	<1	7392.0	<30	<2	<4	41	365	3.3	31	263.0
25547	3.12	<2	1331	365	189	<1	4441.0	<30	<2	<4	101	379	12.7	30	145.7
25548	7.24	<2	<10	55	151	<1	290.1	<30	<2	<4	<2	<10	<0.1	4	26.4
25549	33.65	3	578	2766	263	<1	621.7	<30	5	<4	24	1436	<0.1	67	160.3
25550	19.82	<2	<10	832	179	<1	172.1	<30	3	<4	<2	<10	<0.1	23	33.7
25551	17.34	<2	<10	703	129	<1	190.8	<30	<2	<4	<2	<10	<0.1	22	35.3
25553	1.48	<2	294	1651	61	<1	72.3	<30	<2	<4	79	499	15.4	62	4.7
25554	10.23	10	224	919	619	<1	350.0	<30	<2	<4	<2	151	3.3	46	73.3
25555	15.72	<2	<10	969	246	<1	63.3	<30	<2	<4	<2	<10	<0.1	25	16.4
25557	21.12	2	195	1668	82	<1	206.1	35	11	5	56	946	0.8	49	82.8
25558	4.56	<2	490	230	153	<1	173.5	<30	13	<4	345	1564	7.0	3	18.4
25559	21.90	<2	93	2461	325	<1	188.6	<30	27	<4	213	47	19.1	145	160.4
25560	9.52	<2	721	569	178	<1	308.1	<30	<2	<4	38	1143	1.5	30	67.2
25565	124.70														
25566	10.08	22	<10	1269	64	1	1101.0	372	14	71	<2	290	<0.1	46	163.9
25567	19.93	<2	966	2677	164	<1	811.0	<30	<2	5	4	710	1.5	50	105.6
25568		<2	9212	1022	172	<1	1712.0	<30	18	<4	20	9289	2.8	41	233.0
25569	44.84	<2	<10	503	32	<1	333.1	<30	<2	<4	<2	73	0.1	21	145.4
25570	20.79														
25571	8.76	<2	69	1274	289	<1	115.1	<30	<2	<4	4	2231	5.0	57	73.3
25572	2.62	<2	<10	720	82	<1	142.9	<30	<2	<4	<2	<10	<0.1	16	23.6
25573	30.04	<2	<10	610	31	<1	84.1	<30	<2	<4	<2	<10	0.4	20	36.2
25574	2.10	<2	<10	139	295	<1	121.2	<30	<2	<4	<2	<10	<0.1	10	20.5
25576	15.45														
25578	6.78	13	336	192	271	1	125.3	85	30	35	98	436	11.8	10	13.9
25580	5.86	<2	19	527	372	<1	128.6	<30	<2	<4	7	173	4.4	23	45.2
25581	2.58	<2	<10	1046	84	<1	1384.0	<30	<2	<4	<2	14	<0.1	83	260.0
25582	6.94	<2	<10	945	188	<1	108.0	<30	<2	<4	<2	<10	<0.1	24	35.5
25583	36.96														
25584	29.64														
25585	10.96														
25586	46.29														
25588	7.80	13	72	183	166	<1	209.7	77	25	49	4	21	3.2	11	30.8
25589	28.67	9	150	4425	156	<1	284.9	65	30	45	3	520	2.8	46	48.7
25591	2.22	5	33	1337	27	<1	96.6	<30	<2	29	38	180	0.7	200	52.0
25594	43.22	11	115	634	167	<1	177.2	107	11	76	41	139	0.2	138	58.3
25596	31.58	<2	181	257	64	<1	66.1	<30	<2	<4	41	37	4.3	57	21.9
25597	21.66	<2	<10	2952	47	<1	75.3	<30	<2	<4	17	134	3.1	148	39.2
25598	62.19														
25599	36.73	2	173	1094	480	<1	169.0	50	4	29	86	221	10.8	154	67.4
25600	17.06	<2	<10	256	119	<1	42.4	<30	3	<4	8	14	0.3	39	16.9
26109	8.88	<2	144	742	17	<1	1344.0	<30	2	<4	<2	300	<0.1	97	251.6
26111	0.61	18	899	2204	33	1	2190.0	312	26	188	91	396	22.9	191	572.2
26124	1.34	<2	<10	2220	<2	<1	913.3	<30	<2	12	<2	735	<0.1	114	486.5

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
25533	47	<4	20.5	<4	<40	<1	56.0	8669	<2	65	<1	2891	8
25534	188	10	27.2	37	81	<1	111.6	19047	26	178	6	3570	28
25535	365	<4	17.9	45	41	<1	50.9	10704	4	55	8	440	22
25536	127	<4	13.4	10	76	<1	6.4	7494	8	26	1	600	<2
25537	94	<4	10.3	12	81	<1	23.5	6568	<2	<4	<1	337	<2
25538	56	5	8.4	16	77	<1	36.2	4708	<2	18	1	184	<2
25540	50	<4	11.5	177	<40	<1	37.0	5314	<2	<4	<1	613	<2
25541	155	<4	12.8	10	<40	8	28.5	6619	30	<4	<1	173	<2
25542	14	17	7.5	<4	<40	<1	38.2	3994	<2	66	1	364	<2
25543	381	13	10.3	42	<40	<1	38.9	5056	<2	52	3	121	2
25544	29	7	36.1	<4	64	<1	41.0	9176	<2	111	<1	271	<2
25546	228	48	47.7	21	<40	5	30.0	36473	119	<4	5	429	<2
25547	156	<4	27.0	<4	<40	24	18.7	20589	128	<4	<1	150	<2
25548	<2	<4	13.6	<4	51	<1	26.7	2456	<2	97	<1	<4	<2
25549	157	20	121.7	287	245	<1	67.9	11958	5	22	1	2050	3
25550	<2	43	38.4	65	61	<1	15.9	2491	<2	151	1	311	5
25551	<2	<4	39.4	19	75	<1	16.3	2582	<2	151	<1	<4	<2
25553	23	29	108.8	125	284	<1	1.4	1348	6	211	<1	750	<2
25554	905	12	73.5	28	95	<1	45.2	4330	<2	307	4	71	23
25555	<2	38	50.2	16	<40	<1	4.6	1021	<2	110	<1	6	<2
25557	125	46	116.4	295	238	<1	9.7	4242	<2	30	2	1470	<2
25558	20	28	6.3	39	716	<1	19.7	1748	16	84	<1	361	<2
25559	59	326	2191.0	141	2750	2	11.7	4727	3	211	1	82	<2
25560	106	<4	32.3	236	249	<1	4.2	5111	15	125	<1	917	3
25565													
25566	310	62	71.2	26	<40	<1	34.1	10880	2	62	11	2870	49
25567	224	65	140.3	17	65	<1	43.2	8085	12	9	1	469	<2
25568	3523	<4	46.9	38	233	1	58.7	11736	383	<4	<1	700	<2
25569	20	23	25.2	<4	<40	<1	26.9	4936	<2	<4	<1	68	<2
25570													
25571	440	88	148.3	60	328	<1	12.9	2235	<2	144	<1	670	<2
25572	<2	<4	45.7	<4	<40	<1	16.8	2239	<2	10	<1	44	<2
25573	<2	<4	49.6	<4	<40	<1	17.4	3381	<2	94	<1	4	<2
25574	<2	<4	8.5	7	<40	<1	24.4	2060	<2	161	<1	<4	<2
25576													
25578	19	10	12.3	25	466	2	30.8	1419	18	366	5	145	60
25580	130	6	16.4	38	308	<1	67.1	1625	<2	39	<1	162	<2
25581	12	15	121.0	40	<40	<1	57.3	19992	8	138	2	9	<2
25582	<2	12	57.4	<4	<40	<1	1.5	2225	<2	41	1	<4	<2
25583													
25584													
25585													
25586													
25588	<2	15	15.8	53	<40	<1	31.9	2815	3	141	5	13	21
25589	50	136	129.5	<4	146	<1	20.6	4376	<2	49	5	761	34
25591	11	33	1133.0	9	50	<1	17.7	3210	2	88	1	370	8
25594	13	28	593.2	17	178	<1	34.7	3823	<2	137	4	956	18
25596	6	<4	103.0	<4	<40	2	13.6	1410	8	33	<1	350	<2
25597	29	45	655.6	<4	<40	<1	16.8	2477	<2	<4	<1	595	<2
25598													
25599	19	<4	485.9	7	43	<1	37.2	4146	6	36	1	3420	7
25600	3	<4	84.4	6	<40	<1	9.4	1038	<2	11	<1	886	<2
26109	20	<4	25.5	7	<40	<1	18.6	16155	21	<4	<1	488	<2
26111	461	54	65.3	23	<40	9	29.5	26606	70	32	11	2435	37
26124	126	35	684.5	<4	<40	<1	9.2	8945	4	<4	1	6470	8

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
26125	W	35	34.083	104.498	2	08	04/20/77	17	13.0	16.1			7.2	3100
26126	W	35	34.136	104.479	2	08	04/20/77	17	13.0	14.8			7.3	4500
26127	P	35	34.203	104.438	2	06	04/20/77	18	12.0	12.4			8.1	5000
26131	S	35	34.045	104.326	2	07	04/21/77	10	16.0	14.6			7.7	4400
26132	W	35	34.042	104.370	2	08	04/21/77	10	16.0	13.4	C		8.2	5000
26133	P	35	34.098	104.329	2	06	04/21/77	11	16.0	16.4	C		7.7	4200
26135	S	35	34.115	104.335	2	07	04/21/77	13	20.0	17.4			7.9	3200
26137	W	35	34.158	104.311	2	08	04/21/77	13	22.0	15.2			7.1	3400
26138	S	35	34.180	104.335	2	07	04/21/77	14	21.0	16.2			7.7	3100
26139	W	35	34.195	104.354	2	08	04/21/77	15	22.0	18.8			7.8	5000
26140	P	35	34.214	104.331	2	06	04/21/77	15	22.0	20.2			7.8	3300
26143	W	35	34.222	104.315	2	08	04/21/77	16	20.0	17.2			6.9	3400
26144	W	35	34.242	104.294	2	08	04/21/77	16	20.0	18.2			7.2	2900
26145	W	35	34.237	104.274	2	08	04/21/77	16	20.0	16.8			7.2	2600
26146	W	35	34.243	104.267	2	08	04/21/77	17	18.0	14.2	C		7.2	3050
26148	W	35	34.238	104.178	2	08	04/22/77	8	16.0	14.8	C		8.4	2300
26149	S	35	34.242	104.188	2	07	04/22/77	9	17.0	17.8			7.8	500
26150	W	35	34.212	104.174	2	08	04/22/77	9	19.0	15.2	C		7.7	4400
26151	W	35	34.234	104.148	2	08	04/22/77	9	20.0	18.8			7.3	800
26155	W	35	34.191	104.188	2	08	04/22/77	10	22.0	18.2	C		8.4	1400
26156	W	35	34.184	104.160	2	08	04/22/77	11	22.0	18.2	C		8.2	1700
26157	W	35	34.152	104.173	2	08	04/22/77	11	22.0	20.2	C		8.3	3700
26159	W	35	34.125	104.158	2	08	04/22/77	12	23.0	19.2	C		8.3	1700
26160	S	35	34.131	104.164	2	07	04/22/77	12	23.0	21.2			7.3	220
26161	W	35	34.131	104.213	2	08	04/22/77	13	23.0	23.2	C		9.0	6000
26165	W	35	34.081	104.305	2	08	04/22/77	14	24.0	19.4	C		7.6	3300
26170	W	35	34.027	104.255	2	08	04/22/77	15	20.0	20.8			7.2	5500
26171	W	35	34.009	104.231	2	08	04/22/77	16	22.0	19.8			7.3	7000
26172	W	35	34.044	104.225	2	08	04/22/77	16	22.0	18.8			7.4	4500
26173	W	35	34.071	104.243	2	08	04/22/77	16	22.0	19.8			7.1	4000
26174	W	35	34.082	104.211	2	08	04/22/77	17	22.0	18.8			7.4	2850
26175	W	35	34.096	104.189	2	08	04/22/77	17	22.0	17.2			7.4	3100
26176	W	35	34.227	104.358	2	08	04/23/77	9	16.0	15.8	C		9.2	5000
26177	W	35	34.096	104.229	2	08	04/22/77	17	20.0	16.2			7.4	3100
26178	W	35	34.101	104.230	2	08	04/22/77	17	19.0	17.2			7.4	2400
26181	W	35	34.235	104.454	2	08	04/23/77	10	18.0	17.2	C		7.6	2700
26183	W	35	34.217	104.471	2	08	04/23/77	11	19.0	18.2	C		7.6	3600
26185	W	35	34.173	104.457	2	08	04/23/77	11	20.0	23.2			7.3	3200
26186	W	35	34.162	104.452	2	08	04/23/77	13	22.0	20.4	C		8.1	3700
26187	W	35	34.157	104.257	2	08	04/23/77	13	23.0	22.4			7.1	3000
26189	W	35	34.071	104.184	2	08	04/23/77	15	24.0	16.2			7.7	3050
26191	W	35	34.037	104.163	2	08	04/23/77	15	24.0	17.8			7.1	2100
26193	W	35	34.035	104.150	2	08	04/23/77	16	23.0	15.2			6.9	170
26195	W	35	34.016	104.137	2	08	04/23/77	16	23.0	23.2			7.2	850
26197	W	35	34.037	104.120	2	08	04/23/77	16	22.0	20.4	C		8.1	7000
26198	W	35	34.077	104.142	2	08	04/23/77	16	22.0	20.2	C		8.1	4600
26202	W	35	34.064	104.067	2	08	04/24/77	9	16.0	16.2	C		8.2	6000
26205	W	35	34.055	104.031	2	08	04/24/77	10	17.0	17.6	C		7.5	3000
26206	W	35	34.030	104.062	2	08	04/24/77	10	19.0	18.2	C		9.4	2900
26208	W	35	34.016	104.033	2	08	04/24/77	11	22.0	17.9	C		8.4	2700
26209	W	35	34.085	104.049	2	08	04/24/77	12	23.0	18.2	C		8.6	2900
26210	W	35	34.117	104.016	2	08	04/24/77	12	22.0	22.2			7.5	2700
26211	W	35	34.127	104.027	2	08	04/24/77	12	23.0	22.8	C		9.2	3700
26212	W	35	34.117	104.077	2	08	04/24/77	13	24.0	23.4	C		9.4	2500
26213	W	35	34.095	104.119	2	08	04/24/77	13	24.0	24.4	C		9.3	4300

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIA	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWL-	DIAM (INCHES)	W-DP (FEET)	WATD (FEET)
26125	1	5					3	1	2	3	1	4		
26126	1	10					3	1	2	3	1	3		
26127	3	8	1	1	5	6	1	2	2	2				
26131	3	10	1	1	5	6	3	1	2	3				
26132	3	5					1	2	2	3	3			
26133	3	6	1	1	5	1	1	2	2	2				
26135	3	6	1	1	5	1	2	2	2	2				
26137	1	3					3	1	2	1	3			
26138	1	3	1	1	5	6	2	1	2	1				
26139	1	10					2	1	2	1	1	3		
26140	3	6	1	1			1	1	2	1				
26143	1	6					3	1	2	1	1	3		
26144	1	5					3	1	2	1	1	3		
26145	1	3					3	1	2	1	1	2		
26146	1						3	1	2	1	8			
26148	3	7					1	1	2	1	1	6		
26149	1	7	1	4	5	4	1	4	2	1				
26150	3	4					1	1	2	1	1	4		
26151	1	3					2	1	2	1	1	6		
26155	3	7					1	1	2	1	1	3		
26156	3	5					1	1	2	1	1	4		
26157	3	5					1	1	2	1	1	2		
26159	3	7					1	1	2	1	1	4		
26160	1	9	1	4	5	4	1	4	2	1				
26161	3	5					1	2	2	1	1	3		
26165	3	7					1	1	2	1	1	3		
26170	1	3					2	1	2	1	1	4		
26171	1	3					2	1	2	1	1	3		
26172	1	3					3	1	2	1	1	3		
26173	1	5					3	1	2	1	1	4		
26174	1	3					3	1	2	1	1	4		
26175	1	3					3	1	2	1	6			
26176	3	7					1	2	2	1	1	2		
26177	1	3					3	1	2	1	8			
26178	1	5					3	1	2	1	3			
26181	3	5					1	1	2	1	1	2		
26183	3	7					1	1	2	1	1	3		
26185	1	7					2	2	2	1	1	3		
26186	3	3					1	1	2	1	1	2		
26187	1	5					3	1	2	1	1	2		
26189	1	4					3	1	2	1	8			
26191	1	3					3	1	2	1	1	4		
26193	1	3					3	1	2	1	3			
26195	1	7					2	1	2	1	1	2		
26197	1	7					1	1	2	1	1	2		
26198	3	3					1	1	2	1	1	2		
26202	3	7					1	2	2	1	1	6		
26205	1	3					3	1	2	1	8			
26206	3	3					1	1	2	1	1	3		
26208	3	3					1	1	2	1	1	3		
26209	3	5					1	1	2	1	1	3		
26210	1	3					2	1	2	1	1	2		
26211	3	7					1	3	2	1	1	2		
26212	3	3					1	2	2	1	1	2		
26213	3	3					1	1	2	1	1			

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CD	CR	CU	FE	K	LI	MG
26125	20.28	<2	<10	150	<2	<1	1099.0	<30	<2	<4	<2	2[illegible]	<0.1	62	208.8
26126	69.14	<2	<10	1353	<2	<1	839.7	<30	<2	<4	<2	91	<0.1	233	616.2
26127	20.64	<2	843	1422	84	<1	982.6	<30	<2	<4	83	187	31.4	187	1319.0
26131	8.02	<2	73	1531	26	<1	847.8	<30	2	<4	6	6[illegible]	10.8	221	360.4
26132	<0.50	7	194	4635	31	<1	2400.0	77	14	10	42	251	9.3	230	677.4
26133		12	443	3037	73	<1	5675.0	113	33	16	69	1100	9.1	168	940.3
26135		<2	383	2155	49	<1	5512.0	<30	<2	<4	53	72[illegible]	4.4	79	629.5
26137	16.24	2	112	791	8	<1	2171.0	53	27	15	<2	134	1.9	49	309.3
26138	4.72	<2	<10	1691	205	<1	1933.0	<30	13	8	<2	72	5.1	81	389.0
26139	0.68	<2	64	4646	16	<1	2621.0	<30	2	<4	6	529[illegible]	3.0	59	322.0
26140	40.02	<2	<10	330	47	<1	2882.0	45	<2	4	<2	97	0.5	17	203.6
26143	24.58	3	<10	722	<2	<1	2834.0	80	14	8	<2	122	<0.1	32	200.7
26144	19.30	<2	<10	823	9	<1	2667.0	77	9	10	<2	66[illegible]	0.9	34	170.5
26145		4	722	1624	67	<1	5960.0	87	12	17	113	2302	3.7	52	366.7
26146	13.50	<2	<10	550	9	<1	2002.0	<30	<2	<4	<2	57[illegible]	1.0	24	140.1
26148	12.42	<2	<10	1856	106	<1	241.7	<30	<2	5	<2	501	1.3	32	41.7
26149	8.52	32	1273	488	86	1	47.1	215	48	28	16	1970	0.9	5	4.2
26150		<2	262	5546	162	<1	5641.0	<30	<2	<4	44	55[illegible]	5.8	105	867.8
26151	20.16	<2	<10	1067	64	<1	162.3	<30	<2	<4	<2	60	0.7	25	32.6
26155	35.33	11	64	1331	39	<1	536.4	117	3	17	4	608	1.5	40	103.0
26156	29.46	<2	<10	835	30	<1	563.4	<30	<2	<4	<2	15[illegible]	1.8	30	101.2
26157	61.00	<2	33	2156	25	<1	1799.0	<30	<2	<4	3	191	1.7	54	181.8
26159	40.20	2	239	1566	30	<1	361.1	63	3	<4	11	280	2.1	41	74.2
26160	2.13	5	1506	311	457	<1	305.3	<30	12	<4	18	255[illegible]	5.2	7	14.2
26161	28.32	2	109	1519	32	<1	1456.0	<30	8	<4	5	321	3.5	57	264.8
26165	21.28	<2	76	926	29	<1	3994.0	<30	<2	<4	18	27[illegible]	0.7	27	227.8
26170	20.56	<2	452	1540	35	<1	2805.0	<30	<2	<4	86	92[illegible]	4.0	48	247.0
26171	20.82	<2	<10	869	13	<1	2305.0	<30	18	4	<2	27[illegible]	4.8	120	389.6
26172	26.92	<2	47	905	14	<1	1164.0	<30	<2	<4	18	65[illegible]	3.7	69	176.8
26173	22.54	<2	65	930	22	<1	785.0	<30	<2	<4	58	2714	5.2	108	161.0
26174	76.36	2	72	2375	24	<1	687.3	<30	3	4	28	509	3.6	92	164.1
26175	572.00														
26176	<0.50	<2	400	4575	42	<1	2466.0	<30	5	<4	72	228	3.3	54	368.4
26177	45.86	<2	48	1755	31	<1	135.1	<30	<2	<4	2	136	2.9	37	30.3
26178	63.32	<2	124	3146	58	<1	236.9	66	<2	<4	19	437	3.4	49	53.1
26181		2	<10	649	16	<1	2113.0	36	<2	8	<2	64	1.4	46	155.3
26183		<2	771	8935	167	<1	5991.0	<30	<2	<4	212	1431	4.3	86	1333.0
26185	26.36	<2	<10	1053	18	<1	531.3	<30	<2	<4	<2	2150	1.4	24	85.2
26186	41.32	<2	13	1145	17	<1	917.5	<30	8	<4	9	13[illegible]	1.5	25	117.7
26187	19.80	<2	<10	1062	42	<1	1946.0	<30	24	<4	<2	220	1.8	27	168.8
26189	115.00	<2	133	3405	31	<1	1380.0	<30	<2	<4	25	42[illegible]	1.7	37	170.9
26191	24.12	<2	<10	710	19	<1	1214.0	<30	<2	<4	<2	616	1.5	22	93.9
26193	<0.50	<2	<10	<4	125	<1	157.8	38	4	<4	<2	217	0.3	<2	0.7
26195	16.26	<2	<10	635	42	<1	331.6	<30	<2	<4	<2	150	0.5	10	44.6
26197	57.48	<2	20	2372	17	<1	708.2	<30	21	<4	5	164	0.7	26	152.9
26198	122.00	<2	15	1907	18	<1	1718.0	<30	<2	<4	3	130	1.4	33	200.8
26202	48.46	<2	498	3533	29	<1	1509.0	<30	8	<4	39	1297	1.0	30	246.4
26205	4.08	<2	66	674	45	<1	247.4	<30	<2	<4	17	25[illegible]	0.6	24	25.2
26206	25.86	4	23	1766	22	<1	359.0	<30	26	9	9	197	0.5	40	54.0
26208	23.04	<2	<10	1606	18	<1	687.9	<30	<2	<4	<2	23[illegible]	0.1	25	106.5
26209		<2	239	4567	68	<1	1861.0	<30	3	4	49	974	0.9	55	287.2
26210	21.08	<2	40	1749	38	<1	1742.0	<30	<2	<4	140	59[illegible]	0.5	55	200.1
26211	67.10	4	167	3838	40	<1	712.7	<30	8	11	61	1100	2.4	51	172.5
26212		<2	361	8072	94	<1	1675.0	<30	14	8	70	141[illegible]	3.6	93	415.2
26213	35.40	<2	<10	3491	91	<1	2977.0	<30	<2	<4	<2	38[illegible]	2.5	50	431.9

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
26125	<2	33	38.2	<4	63	<1	15.2	18107	<2	7	<1	<4	<2
26126	4	8	100.5	<4	<40	<1	22.7	16006	<2	28	1	71	5
26127	232	85	140.9	114	<40	6	6.0	10160	38	<4	<1	120	<2
26131	119	<4	456.7	<4	<40	1	0.9	15740	11	<4	8	44	<2
26132	371	<4	768.0	481	<40	4	12.3	38102	37	16	11	365	31
26133	2597	31	106.8	187	<40	2	22.5	55943	78	43	11	522	54
26135	1680	6	56.4	113	<40	9	21.5	40253	91	<4	<1	775	<2
26137	28	<4	41.1	22	<40	<1	15.6	17037	6	35	6	733	25
26138	556	16	96.8	7	<40	<1	4.4	12381	<2	5	2	7	8
26139	643	7	192.7	23	<40	<1	11.2	19597	29	<4	2	185	<2
26140	1002	8	14.0	<4	<40	<1	14.9	18834	16	<4	5	61	7
26143	<2	34	33.7	44	<40	<1	22.5	23431	<2	29	6	1250	38
26144	35	41	19.7	64	<40	<1	19.1	18067	9	24	6	815	37
26145	216	90	63.3	333	124	17	48.5	34080	138	89	8	4036	31
26146	30	14	43.9	37	<40	<1	12.5	12286	9	<4	<1	27180	<2
26148	638	60	141.2	6	<40	<1	15.2	4185	<2	<4	<1	72	<2
26149	40	45	53.8	546	200	<1	10.6	551	19	241	11	434	68
26150	722	58	1193.0	13	<40	2	49.7	71767	78	<4	3	4581	4
26151	53	9	49.5	17	<40	<1	14.7	2866	<2	34	<1	3553	<2
26155	48	64	102.8	13	<40	<1	18.2	8158	4	41	4	340	20
26156	73	47	65.4	11	<40	<1	8.6	6946	<2	<4	<1	445	<2
26157	161	43	144.7	<4	<40	<1	11.8	18578	19	<4	2	376	<2
26159	47	81	80.5	6	<40	<1	9.6	5961	2	10	1	352	<2
26160	89	15	12.0	166	245	<1	19.4	2248	24	220	1	353	18
26161	62	16	595.2	31	<40	<1	3.2	19989	17	9	3	190	4
26165	88	<4	37.1	14	<40	1	30.4	14600	49	<4	<1	667	<2
26170	110	29	145.8	10	<40	24	23.1	24684	100	22	2	781	<2
26171	25	10	529.2	4	<40	<1	23.5	31171	<2	42	2	180	12
26172	37	<4	189.4	<4	<40	1	17.2	16073	14	<4	1	402	<2
26173	294	17	479.1	59	<40	<1	14.6	11942	6	<4	<1	904	<2
26174	97	129	553.3	67	<40	<1	33.0	9879	9	32	3	960	12
26175													
26176	89	7	117.3	14	<40	21	2.7	18446	82	<4	2	164	8
26177	27	225	466.2	14	<40	<1	16.0	1942	<2	<4	<1	847	<2
26178	264	635	728.3	42	<40	1	27.4	3637	8	30	2	1716	10
26181	49	15	19.6	27	<40	<1	21.3	21505	<2	46	4	242	23
26183	690	145	80.0	74	<40	29	97.9	79837	243	304	7	2415	<2
26185	164	31	106.5	26	<40	<1	8.5	5470	<2	11	<1	950	<2
26186	39	40	87.0	44	<40	<1	8.8	10689	7	16	1	489	5
26187	118	60	48.0	25	<40	<1	25.9	15693	15	<4	2	1682	8
26189	51	179	139.6	63	<40	<1	35.3	12217	19	123	<1	1706	<2
26191	22	13	35.9	25	<40	<1	53.6	12527	4	23	<1	1060	<2
26193	22	4	0.4	4	73	<1	2.0	370	<2	9	1	445	17
26195	72	72	22.5	5	<40	<1	15.6	4049	<2	32	<1	1390	<2
26197	106	305	107.8	<4	<40	<1	4.1	8374	4	14	<1	941	19
26198	122	87	85.2	32	<40	<1	7.6	15775	16	<4	<1	777	<2
26202	164	85	165.4	5190	<40	<1	3.0	20478	35	<4	1	1963	<2
26205	16	<4	39.7	136	<40	2	63.0	1837	12	287	<1	1766	<2
26206	16	69	88.1	35	90	<1	12.9	4751	<2	156	3	874	7
26208	21	135	85.4	178	<40	<1	39.7	7537	<2	447	<1	933	<2
26209	92	303	172.5	513	73	<1	104.7	20924	32	1233	2	2861	2
26210	47	26	85.2	424	247	<1	96.1	15706	16	352	2	11950	<2
26211	88	213	167.8	320	271	1	48.0	18262	20	346	3	1224	26
26212	184	123	171.2	496	252	2	3.9	30848	39	1070	4	1044	11
26213	918	33	55.3	39	119	<1	12.5	34372	16	<4	1	400	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
26214	W	35	34.144	104.879	2	08	04/24/77	13	24.0	18.8			7.4	2250
26215	W	35	34.161	104.021	2	08	04/24/77	14	24.0	18.8			7.5	1700
26216	W	35	34.197	104.028	2	08	04/24/77	15	24.0	18.2			7.8	7000
26219	W	35	34.240	104.064	2	08	04/25/77	8	13.0	17.2			7.4	1500
26224	W	35	34.214	104.022	2	08	04/25/77	10	17.0	17.2			7.4	2750
26225	W	35	34.227	104.029	2	08	04/25/77	10	18.0	16.2			7.3	1750
26228	W	35	34.245	104.403	2	08	04/25/77	12	21.0	19.4			6.9	3100
26229	W	35	34.227	104.429	2	08	04/25/77	12	21.0	18.8			7.2	3300
26302	W	35	34.323	104.860	2	08	04/29/77	8	19.0	16.0	C		7.3	3000
26303	W	35	34.322	104.855	2	08	04/29/77	8	20.0	18.0	C		7.3	3300
26304	W	35	34.275	104.827	2	08	04/29/77	9	21.0	19.0	C		7.5	2200
26306	W	35	34.259	104.818	2	08	04/29/77	9	20.0	17.0	C		7.4	2300
26312	W	35	34.302	104.769	2	08	04/29/77	11	24.0	21.0	C		7.4	2600
26314	W	35	34.315	104.781	2	08	04/24/77	12	25.0	24.0	C		7.3	2700
26316	W	35	34.326	104.820	2	08	04/29/77	13	27.0	23.0	C		7.3	2200
26317	W	35	34.336	104.830	2	08	04/29/77	13	27.0	24.0	C		7.8	1200
26320	W	35	34.341	104.768	2	08	04/29/77	14	29.0	24.0	C		7.8	1800
26321	W	35	34.364	104.807	2	08	04/29/77	14	29.0	26.0	C		7.7	1300
26322	W	35	34.365	104.811	2	08	04/29/77	15	29.0	25.0	C		7.9	1600
26323	W	35	34.373	104.807	2	08	04/29/77	15	29.0	23.0	C		7.9	1650
26325	W	35	34.386	104.759	2	08	04/29/77	16	28.0	23.0	C		7.7	1800
26326	W	35	34.665	104.241	2	08	05/03/77	14	33.0	26.5	C		7.9	1480
26327	W	35	34.627	104.217	2	08	05/03/77	15	33.0	26.5	C		8.0	1500
26328	W	35	34.654	104.136	2	08	05/03/77	15	34.0	26.5	C		7.6	1400
26329	W	35	34.102	104.560	2	08	05/01/77	10	23.0	22.0			6.8	3100
26331	W	35	34.015	104.770	2	08	05/01/77	10	26.0	23.0	C		7.1	2600
26333	W	35	34.018	104.850	2	08	05/01/77	12	28.0	25.0	C		8.8	1900
26336	W	35	34.078	104.757	2	08	05/01/77	11	27.0	24.0			7.4	2600
26338	W	35	34.514	104.921	2	08	05/01/77	13	29.0	26.0	C		8.9	600
26339	W	35	34.474	104.927	2	08	05/01/77	13	28.0	25.0	C		8.5	750
26340	W	35	34.474	104.933	2	08	05/01/77	13	28.0	24.0	C		8.3	600
26341	W	35	34.414	104.918	2	08	05/01/77	13	28.0	27.0			7.3	450
26342	W	35	34.414	104.912	2	08	05/01/77	14	28.0	26.0			7.4	600
26343	W	35	34.416	104.907	2	08	05/01/77	15	29.0	23.0			7.5	450
26345	W	35	34.428	104.956	2	08	05/01/77	15	29.0	26.0			6.9	650
26347	W	35	34.485	104.799	2	08	05/01/77	15	29.0	24.0			8.0	1900
26348	W	35	34.725	104.766	2	08	05/02/77	11	25.0	23.0	C		6.8	2200
26349	W	35	34.714	104.760	2	08	05/02/77	11	25.0	24.0	C		6.8	2600
26352	W	35	34.695	104.773	2	08	05/02/77	12	26.0	22.0	C		8.0	2800
26353	W	35	34.667	104.762	2	08	05/02/77	12	26.0	24.0	C		7.9	3000
26354	W	35	34.666	104.808	2	08	05/02/77	12	27.0	24.0	C		8.1	2900
26355	W	35	34.722	104.826	2	08	05/02/77	13	27.0	24.0	C		7.5	3100
26356	W	35	34.722	104.869	2	08	05/02/77	13	27.0	24.0	C		7.7	2800
26357	W	35	34.702	104.831	2	08	05/02/77	13	26.0	24.0	C		7.8	1600
26358	W	35	34.693	104.847	2	08	05/02/77	13	27.0	24.0	C		7.8	1800
26359	W	35	34.667	104.867	2	08	05/02/77	13	27.0	23.0	C		7.5	2800
26360	W	35	34.651	104.836	2	08	05/02/77	13	27.0	25.0	C		7.7	2500
26363	W	35	34.515	104.864	2	08	05/13/77	12	26.0	24.0	C		6.7	340
26369	W	35	34.825	104.719	2	08	05/13/77	16	28.0	23.0	C		7.0	1700
26370	W	35	34.849	104.729	2	08	05/13/77	16	28.0	25.0	C		7.3	2300
26371	W	35	34.845	104.702	2	08	05/13/77	17	28.0	23.0	C		7.4	2600
26375	W	35	34.907	104.653	2	08	05/13/77	19	27.0	23.0				
26377	W	35	34.943	104.560	2	08	05/13/77	20	26.0	26.0	C		7.3	1500
26378	W	35	34.600	104.234	2	08	05/03/77	10	26.0	20.5			6.5	1650
26379	W	35	34.605	104.236	2	08	05/03/77	10	26.0	20.5			6.7	1500

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-DP (FEET)	DATD (FEET)
26214	1	4					3	1	2	1	1	2		
26215	1	5					2	1	2	1	1	3		
26216	1	5					3	1	2	1	1	2		
26219	1	3					3	1	2	2	6			
26224	1	7					3	1	2	1	2			
26225	1	7					3	1	2	1	2	4		
26228	1	7					3	1	2	1	1	4		
26229	1	1					3	1	2	1	1	3		
26302	1	6					3	1	3	1	1	3		
26303	1	6					3	1	3	1	1	3		
26304	1	7					3	1	3	1	1	3		
26306	1	8					3	1	3	1	1	3		
26312	1	7					3	1	3	1	1	3		
26314	1	10					3	1	3	1	1		300	
26316	1	6					3	1	3	1	1	3		
26317	1	7					3	1	3	1	1	3		
26320	1	5					3	1	3	1	1	3		
26321	1	5					3	1	3	1	1	3		
26322	1	8					3	1	3	1	1	3		
26323	1	7					3	1	3	1	1	3		
26325	1	8					3	1	3	2	1	3		
26326	3	5					3	1	2	1	2	2		
26327	3	7					3	1	1	1	2	2		
26328	3	8					3	1	2	1	2	2		
26329	1	8					3	1	2	1	1	3	125	
26331	1	7					3	1	2	1	1	3		
26333	1	7					3	5	3	1	1	3		
26336	1	6					3	1	3	1	1	3	125	
26338	1	7					3	2	3	1	3	3		
26339	1	10					3	2	3	1	1	3		
26340	1	7					2	2	3	1	1	3		
26341	1	7					3	1	3	1	1	3	220	
26342	1	7					3	2	3	1	1	3	220	
26343	1	7					3	1	3	1	3	3	220	
26345	1	10					3	1	2	1	1	3	225	
26347	1	8					3	2	3	1	1	3	725	
26348	1	9					3	2	2	2	1	3		
26349	1	7					3	2	2	2	1	3		
26352	1	8					3	1	3	1	1	3		
26353	1	6					3	5	3	2	1	3		
26354	1	8					2	2	3	2	1	3		
26355	1	7					3	1	2	2	1	3		
26356	1	7					3	1	2	2	1	3		
26357	1	8					2	2	3	2	1	3		
26358	1	5					3	1	3	2	1	3		
26359	1	7					3	2	3	2	1	3		
26360	1	11					3	1	3	2	1	3		
26363	1	8					3	1	3	1	1	3		
26369	1	6					3	1	3	1	1	3		
26370	1	7					2	2	3	1	1	3		
26371	1	8					3	1	3	1	1	3		
26375	1	8					3	1	3	1	1	3	65	
26377	1	7					3	1	3	1	1	3		
26378	3	7					3	1	1	1	2	2		
26379	3	6					3	2	1	1	2	2		

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
26214		<2	94	4757	112	<1	4193.0	<30	<2	<4	80	3596	2.3	68	464.6
26215	5.52	<2	<10	409	<2	<1	431.7	<30	<2	<4	<2	<10	<0.1	20	60.1
26216	1.62	<2	119	2805	28	<1	672.0	<30	<2	<4	24	1957	1.2	60	71.9
26219	15.32	<2	45	640	24	<1	385.4	<30	<2	<4	15	99	0.9	30	42.7
26224	27.76	<2	<10	662	25	<1	1210.0	<30	<2	<4	63	139	0.1	27	83.7
26225		<2	164	6561	73	<1	2474.0	<30	<2	<4	75	1675	1.2	71	194.0
26228		<2	235	2385	53	<1	5990.0	<30	<2	<4	38	2143	1.0	49	533.6
26229	19.48	38	<10	1225	13	1	3754.0	281	68	54	<2	473	0.2	27	243.6
26302	37.60	<2	517	425	30	<1	2370.0	<30	<2	<4	95	426	1.9	11	84.9
26303	56.64	<2	502	872	60	24	3470.0	<30	35	<4	114	401	3.9	29	194.3
26304		<2	1300	925	53	<1	5292.0	106	26	16	49	4939	1.8	48	226.2
26306	42.18	83	855	763	41	2	3514.0	698	149	91	149	541	2.7	15	123.2
26312	34.22	32	1005	746	46	<1	3136.0	296	51	35	182	493	3.1	14	108.7
26314		2	<10	1451	22	<1	5863.0	132	17	20	<2	516	5.0	190	450.4
26316	31.62	23	1550	829	69	1	2540.0	186	50	28	284	727	5.1	20	90.6
26317	12.16	<2	99	366	53	<1	2009.0	<30	<2	<4	13	322	4.1	25	167.6
26320	10.14	<2	94	311	71	<1	1334.0	<30	<2	<4	14	469	2.6	19	79.1
26321	15.88	<2	54	481	106	<1	1725.0	<30	7	4	24	650	3.3	29	135.9
26322	15.52	<2	186	581	124	<1	2900.0	<30	11	5	31	1105	2.2	17	118.4
26323	12.24	<2	57	411	89	<1	2257.0	<30	<2	<4	15	706	1.4	11	84.6
26325	11.58	<2	83	300	63	<1	1656.0	<30	<2	<4	10	584	0.9	10	63.4
26326		6	19992	368	1078	<1	642.8	41	24	24	24	34307	4.4	167	45.4
26327	6.28	9	29701	245	1057	<1	565.0	76	33	25	24	52847	4.0	189	30.4
26328	1.42	<2	1820	256	30	<1	75.0	<30	<2	<4	<2	4178	2.2	85	2.2
26329	33.90	5	4173	1830	80	<1	3412.0	95	23	15	30	11497	1.9	25	255.3
26331	23.00	4	<10	481	9	<1	3804.0	85	12	14	<2	486	<0.1	14	103.4
26333	8.26	56	<10	367	35	2	2571.0	438	67	55	<2	484	0.1	10	105.2
26336	15.44	12	<10	127	<2	<1	3969.0	147	15	16	<2	1160	<0.1	3	130.3
26338	2.90	6	2944	62	190	<1	365.6	<30	<2	7	<2	8707	0.2	2	17.4
26339	4.60	18	68	68	421	1	282.7	126	47	19	<2	456	0.2	<2	25.9
26340	3.64	<2	<10	36	253	3	167.1	<30	<2	<4	<2	164	<0.1	<2	15.6
26341	6.48	<2	<10	60	562	<1	635.0	<30	<2	<4	<2	319	<0.1	2	15.4
26342	3.46	5	2183	48	484	<1	483.4	<30	20	4	<2	5769	<0.1	2	11.3
26343	2.34	6	<10	35	144	<1	316.7	<30	15	<4	<2	111	<0.1	4	14.1
26345	1.50	<2	724	60	154	<1	383.1	<30	<2	<4	<2	3052	<0.1	<2	7.2
26347	3.70	<2	1261	806	57	<1	2653.0	<30	<2	<4	225	483	3.8	17	112.2
26348	5.40	<2	<10	267	9	<1	3121.0	<30	<2	<4	<2	<10	<0.1	8	127.5
26349	5.30	49	<10	13	<2	2	2850.0	457	90	64	<2	<10	<0.1	<2	120.1
26352	16.48	10	<10	59	<2	<1	3238.0	95	11	24	<2	96	<0.1	<2	90.5
26353	21.60	11	<10	<4	<2	<1	2690.0	145	43	29	<2	<10	<0.1	<2	133.1
26354	19.18	<2	135	379	17	<1	2700.0	<30	9	7	8	853	0.4	9	119.7
26355	16.36	<2	<10	55	<2	<1	2305.0	<30	3	<4	<2	334	<0.1	2	134.3
26356	14.90	<2	423	392	29	<1	2779.0	<30	<2	<4	66	483	2.1	10	146.5
26357	4.40	<2	2602	167	254	<1	714.6	<30	20	<4	<2	11697	0.6	2	40.9
26358	5.50	<2	115	194	311	<1	902.0	<30	14	5	<2	1163	0.6	2	50.9
26359		<2	1273	879	53	<1	5018.0	<30	<2	<4	226	845	4.3	23	157.2
26360	2.96	<2	158	396	39	<1	2965.0	<30	<2	<4	34	185	1.3	13	136.0
26363	1.38	<2	211	61	163	<1	162.7	<30	7	<4	18	682	2.5	9	16.4
26369	6.59	14	<10	406	67	<1	3320.0	83	24	19	<2	903	1.4	14	152.6
26370	7.30	<2	<10	381	71	<1	4732.0	<30	<2	<4	<2	1049	0.1	15	219.2
26371	6.96	<2	<10	267	45	<1	3660.0	<30	<2	<4	<2	794	<0.1	5	135.2
26375	3.92	234	<10	15	<2	11	5815.0	1775	361	249	<2	203	<0.1	<2	83.6
26377	15.98	2	<10	419	52	<1	470.0	53	15	10	<2	1000	0.2	12	40.3
26378	2.48	6	66	190	344	1	327.8	<30	<2	7	3	434	0.5	4	20.7
26379	2.76	<2	159	83	216	2	200.4	<30	<2	<4	<2	813	0.1	<2	12.4

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
26214	226	122	143.5	145	46	<1	54.6	41882	55	846	<1	8313	<2
26215	<2	23	47.6	100	108	<1	48.4	5692	<2	320	<1	2500	6
26216	436	142	907.9	82	<40	4	9.6	25953	19	<4	<1	2894	<2
26219	15	<4	31.2	82	<40	1	22.8	4373	7	273	<1	533	<2
26224	65	42	60.5	45	79	<1	42.0	6660	7	104	1	6086	<2
26225	88	290	135.9	69	96	3	43.5	19545	47	489	<1	5709	<2
26228	206	27	27.9	95	<40	<1	85.4	59571	128	88	7	2756	13
26229	44	95	12.3	76	152	<1	34.8	22181	23	195	19	796	109
26302	118	<4	3.1	<4	<40	24	9.5	8015	103	<4	<1	1194	<2
26303	183	56	14.2	111	<40	56	19.5	16615	147	9	36	1341	26
26304	215	35	13.2	56	165	5	27.3	21459	135	38	11	2275	58
26306	132	111	3.5	110	254	41	14.7	11640	175	208	31	1415	182
26312	134	43	2.8	36	80	52	13.3	10216	194	82	15	1190	95
26314	151	72	51.5	63	82	<1	34.5	39163	<2	43	10	1870	57
26316	168	46	2.9	45	73	84	12.1	8301	272	50	10	1100	52
26317	67	25	12.5	<4	<40	<1	20.8	9601	15	<4	1	717	<2
26320	43	<4	11.2	<4	<40	1	22.1	9640	14	28	<1	274	<2
26321	99	44	18.4	82	<40	<1	6.8	13871	5	34	3	425	7
26322	76	32	10.3	46	<40	3	37.0	16376	45	106	5	776	25
26323	62	20	6.4	<4	<40	1	28.1	12275	28	67	<1	565	<2
26325	45	15	4.6	<4	<40	1	19.1	8711	22	9	<1	1502	<2
26326	1124	<4	34.3	85	771	6	118.7	4144	550	497	19	1910	67
26327	1605	<4	31.3	82	1049	12	128.7	2480	855	284	27	1873	54
26328	28	39	29.0	<4	303	<1	16.0	226	102	23	<1	120	<2
26329	424	101	19.6	33	136	8	31.8	16825	189	69	10	1336	30
26331	52	52	6.3	37	<40	<1	18.9	11249	8	30	6	4041	37
26333	62	114	8.7	60	340	<1	13.2	10744	20	137	19	570	139
26336	53	58	4.4	56	209	<1	17.0	14480	<2	21	9	4227	58
26338	357	18	1.5	35	261	<1	25.7	1537	74	116	4	1905	<2
26339	34	<4	0.4	17	140	<1	9.3	965	<2	108	4	496	24
26340	14	<4	0.3	<4	42	<1	5.8	571	<2	16	<1	755	<2
26341	32	<4	0.5	7	545	<1	38.2	931	<2	77	<1	9378	<2
26342	220	18	0.5	35	491	<1	36.5	675	54	98	5	7128	11
26343	14	<4	0.9	5	<40	<1	22.0	1000	<2	68	3	13570	<2
26345	231	<4	0.2	6	368	<1	25.3	227	<2	50	2	1645	<2
26347	109	10	3.1	11	<40	66	12.3	10840	231	<4	<1	305	<2
26348	<2	<4	8.1	<4	<40	<1	34.3	11603	<2	83	<1	67	<2
26349	<2	59	8.6	75	174	<1	30.0	10832	<2	257	20	<4	153
26352	82	51	3.5	<4	266	<1	16.9	9413	<2	54	7	316	54
26353	<2	71	10.2	38	276	<1	16.1	14438	<2	66	9	<4	88
26354	170	5	7.6	51	126	<1	19.5	12405	37	21	3	516	22
26355	46	19	11.4	<4	<40	<1	15.0	12514	<2	124	3	374	25
26356	71	8	10.0	<4	<40	16	8.4	13466	90	<4	<1	656	<2
26357	2280	<4	1.7	74	1165	<1	23.9	2865	101	50	6	371	13
26358	2261	<4	2.3	66	330	<1	16.2	3650	<2	14	1	334	<2
26359	419	<4	8.8	<4	<40	62	55.7	17774	255	<4	<1	2360	<2
26360	221	<4	5.3	13	<40	6	33.5	12208	56	40	<1	1095	<2
26363	56	<4	4.8	<4	79	<1	24.9	1624	3	99	<1	2417	<2
26369	49	<4	9.6	11	102	<1	50.7	11314	26	180	7	1760	29
26370	27	<4	14.3	8	74	<1	71.1	16101	<2	203	4	2308	6
26371	25	58	5.2	<4	102	<1	49.8	9987	<2	116	<1	2255	11
26375	131	264	11.5	243	884	<1	16.6	18883	<2	564	79	820	543
26377	98	26	11.9	7	97	<1	47.9	4706	<2	551	3	1745	18
26378	30	23	4.0	46	69	<1	38.0	2062	3	329	2	990	<2
26379	32	10	2.4	15	57	<1	23.9	1252	<2	191	<1	716	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
26380	W	35	34.944	104.569	2	08	05/13/77	20	26.0	25.0	C		7.4	1200
26381	W	35	34.821	104.962	2	08	05/05/77	16	27.0	23.0	C		7.8	2300
26384	W	35	34.845	104.945	2	08	05/05/77	17	26.0	23.0	C		7.3	1600
26385	W	35	34.847	104.909	2	08	05/05/77	18	25.0	26.0	C		7.1	800
26386	W	35	34.861	104.921	2	08	05/05/77	18	25.0	25.0	C		8.5	3200
26387	W	35	34.867	104.854	2	08	05/05/77	18	25.0	23.0	C		8.9	3000
26393	W	35	34.533	104.199	2	08	05/03/77	11	28.0	22.5	C		7.8	1450
26394	W	35	34.569	104.180	2	08	05/03/77	11	28.0	23.0	C		7.4	1500
26395	W	35	34.623	104.185	2	08	05/03/77	12	30.0	23.5	C		7.2	1260
26396	W	35	34.627	104.163	2	08	05/03/77	12	30.0	24.5	C		7.7	1600
26397	W	35	34.662	104.161	2	08	05/03/77	12	31.0	24.5	C		6.9	1000
26398	W	35	34.641	104.241	2	08	05/03/77	13	32.0	25.0	C		7.3	1250
26401	W	35	34.415	104.468	2	08	05/01/77	11	30.0	22.0			7.6	1280
26402	W	35	34.481	104.449	2	08	05/01/77	12	29.0	22.5			7.0	1140
26403	W	35	34.492	104.404	2	08	05/01/77	12	31.0	24.0			7.7	1350
26404	W	35	34.496	104.385	2	08	05/01/77	12	31.0	23.5			7.5	1150
26406	W	35	34.417	104.307	2	08	05/01/77	13	33.0	26.0			7.6	2300
26407	W	35	34.356	104.320	2	08	05/01/77	14	33.0	28.5			8.9	2000
26410	W	35	34.365	104.211	2	08	05/01/77	9	26.0	18.5	C		8.3	1550
26415	W	35	34.256	104.219	2	08	05/01/77	10	27.0	22.0			5.7	1900
26418	W	35	34.256	104.235	2	08	05/01/77	11	28.0	22.5			8.8	1900
26420	W	35	34.503	104.036	2	08	05/01/77	12	26.0	20.5	C		6.5	1470
26421	W	35	34.502	104.065	2	08	05/01/77	12	26.0	21.0	C		8.8	1490
26425	W	35	34.478	104.064	2	08	05/01/77	14	24.0	19.0			7.3	1750
26429	W	35	34.558	104.237	2	08	05/03/77	10	26.0	19.0	C		7.3	1570
26471	W	35	34.515	104.944	2	08	05/13/77	12	26.0	22.0	C		9.5	450
26472	W	35	34.500	104.993	2	08	05/13/77	11	25.0	23.0	C		9.0	360
26475	W	35	34.507	104.525	2	08	05/05/77	11	26.0	24.0			7.7	500
26477	W	35	34.475	104.555	2	08	05/05/77	11	26.0	23.0	C		7.7	450
26478	W	35	34.428	104.609	2	08	05/05/77	12	26.0	23.0	C		7.8	650
26479	W	35	34.424	104.514	2	08	05/05/77	12	26.0	22.5	C		7.6	600
26480	W	35	34.417	104.529	2	08	05/05/77	12	26.0	22.5	C		7.9	550
26482	W	35	34.389	104.517	2	08	05/05/77	12	26.0	24.0	C		7.6	700
26483	W	35	34.438	104.609	2	08	05/05/77	13	27.0	25.0			7.1	2700
26485	W	35	34.402	104.612	2	08	05/05/77	13	27.0	24.0	C		7.3	2650
26486	W	35	34.388	104.593	2	08	05/05/77	13	28.0	23.0	C		7.4	2800
26488	P	35	34.604	104.610	2	06	05/05/77	12	30.0	24.0			7.6	4700
26490	W	35	34.752	104.614	2	08	05/05/77	14	28.0	26.0	C		7.8	1950
26492	W	35	34.760	104.562	2	08	05/05/77	15	29.0	26.0	C		8.0	3100
26495	W	35	34.786	104.610	2	08	05/05/77	14	29.0	23.0	C		7.8	2900
26496	W	35	34.734	104.607	2	08	05/05/77	15	28.0	24.0	C		6.9	1200
26499	W	35	34.767	104.646	2	08	05/05/77	16	27.0	24.0	C		7.8	3000

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWLL	DIAM (INCHES)	W-DP (FEET)	BATD (FEET)
26380	1	5					3	1	2	1	1	3		
26381	1	7					3	1	3	3	1	3		
26384	1	7					3	1	3	3	1	3		
26385	1	10					3	1	2	3	1	3		
26386	1	10					3	1	3	2	1	3		
26387	1	5					3	2	3	2	1	3		
26393	3	5					3	1	1	1	2	3		
26394	3	10					3	2	1	1	2	2		
26395	3	15					3	1	1	1	2	2		
26396	3	7					3	2	1	1	2	2		
26397	3	6					3	2	1	1	2	2		
26398	3	8					3	1	1	1	2	2		
26401	3	6					3	2	1	1	2	2		
26402	3	5					3	1	2	1	2	2		
26403	3	6					3	2	1	1	2	2		
26404	3	7					2	1	1	1	2	2		
26406	3	7					3	1	2	1	2	2		
26407	3	6					2	2	1	1	2	2		
26410	3	6					3	1	2	2	2	2		
26415	3	6					3	2	1	2	2	2		
26418	3	8					3	2	1	2	2	2		
26420	3	10					3	1	2	3	1	2		
26421	3	11					3	1	2	3	2	2		
26425	3	6					3	1	3	3	2	2		
26429	3	11					3	2	2	1	2	2		
26471	1	11					3	1	3	1	3	3		
26472	1	6					3	2	3	1	1	3		
26475	1	6					3	1	2	3	1	3	125	
26477	1	8					3	1	2	3	1	3	140	
26478	1	11					3	2	2	3	1	3		
26479	1	11					2	1	2	3	1	3		
26480	1	6					3	1	3	3	1	3		
26482	1	7					3	1	3	3	1	3		
26483	1	8					3	1	2	2	3	3	140	
26485	1	10					3	1	2	2	3	3	160	
26486	1	11					3	1	2	2	1	3		
26488	3	6	1	6	5	6	2	2	3	1				
26490	1	7					3	1	3	2	1	3		
26492	1	7					3	1	3	2	1	3		
26495	1	10					3	1	3	2	1	3		
26496	1	11					3	1	3	3	1	3		
26499	1	8					3	1	2	3	1	3		

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
26380	17.70	<2	85	515	63	<1	571.3	<30	3	<4	<2	1377	0.5	15	48.5
26381	21.98	<2	850	666	72	<1	5975.0	108	13	8	<2	5102	<0.1	8	150.1
26384	6.56	<2	129	201	27	<1	1619.0	<30	<2	<4	12	1282	0.2	6	67.1
26385	6.80	<2	45	132	78	<1	931.1	<30	<2	<4	<2	866	<0.1	3	41.1
26386	2.40	<2	<10	179	4	<1	3388.0	<30	<2	<4	<2	<10	<0.1	<2	85.8
26387	1.82	<2	<10	440	28	<1	5964.0	<30	<2	<4	<2	1180	<0.1	3	157.9
26393	3.58	<2	<10	<4	156	<1	133.2	<30	<2	<4	<2	732	<0.1	<2	8.2
26394	5.84	<2	1327	45	131	2	281.1	<30	<2	<4	<2	4374	<0.1	<2	10.0
26395	5.14	<2	<10	49	107	<1	358.5	<30	<2	<4	<2	225	<0.1	<2	13.3
26396	16.60	<2	556	442	66	<1	189.2	<30	<2	<4	<2	2624	<0.1	3	14.1
26397	4.84	<2	4101	205	286	<1	517.0	<30	<2	<4	32	10267	0.6	5	19.3
26398	66.08	3	2782	516	111	<1	268.5	<30	<2	8	<2	6903	<0.1	3	18.4
26401	1.52	39	3074	1079	139	2	933.8	298	52	29	564	2224	9.2	33	37.1
26402	10.66	15	<10	185	27	<1	349.1	133	28	16	<2	<10	3.8	43	56.0
26403	4.68	<2	<10	158	30	<1	379.1	<30	6	<4	<2	<10	3.1	36	51.6
26404	7.32	5	53	206	15	<1	415.6	<30	<2	5	14	43	3.8	39	57.6
26406	10.44	<2	541	364	68	<1	872.2	<30	3	<4	11	601	6.9	128	178.8
26407	9.94	10	82	185	31	<1	517.3	50	20	13	4	77	3.2	55	89.5
26410	21.20	<2	552	503	76	<1	747.1	<30	<2	<4	34	785	7.0	97	127.3
26415	28.40	2	513	915	73	<1	1330.0	63	14	9	27	811	8.9	135	205.8
26418	6.88	5	13395	1176	235	<1	902.6	61	14	31	9	13359	11.1	183	244.4
26420	3.52	<2	149	579	198	<1	363.1	<30	<2	<4	<2	699	6.2	80	72.1
26421	41.66	<2	509	647	179	<1	412.6	<30	<2	<4	6	1222	6.9	317	78.9
26425	59.84	<2	2501	1244	176	<1	293.9	<30	19	8	16	2647	3.0	120	58.3
26429	31.90	<2	332	236	196	<1	225.8	<30	<2	<4	43	246	5.1	30	34.6
26471	9.58	<2	410	62	145	<1	61.7	<30	<2	<4	85	326	8.2	37	21.6
26472	82.34	<2	<10	<4	86	<1	57.5	<30	<2	<4	<2	<10	4.9	25	18.6
26475	5.30	<2	408	174	31	<1	334.7	<30	<2	<4	3	716	3.0	67	57.5
26477	7.43	4	946	283	71	<1	492.7	<30	<2	<4	11	920	3.2	79	70.7
26478	7.92	<2	621	446	45	<1	1211.0	<30	<2	<4	19	921	3.8	89	169.3
26479	5.22	<2	188	286	22	<1	947.9	<30	<2	<4	5	431	2.0	48	108.5
26480	4.74	<2	64	315	30	<1	805.7	<30	<2	<4	3	140	1.4	37	67.9
26482	8.38	2	165	377	31	<1	1108.0	<30	3	6	10	323	1.6	42	55.1
26483	9.52	<2	347	456	77	<1	1723.0	<30	<2	7	4	673	2.7	54	149.1
26485	4.42	<2	502	1775	39	<1	2324.0	<30	<2	<4	47	776	3.5	70	226.1
26486	56.64	<2	1260	3332	80	<1	4575.0	<30	10	<4	155	1557	6.0	137	379.5
26488	5.06	<2	79	948	38	<1	1977.0	<30	<2	<4	13	79	2.7	51	376.9
26490	21.42	<2	560	1417	97	<1	1297.0	<30	<2	<4	2	1034	6.4	136	218.9
26492	5.54	<2	517	569	63	<1	3684.0	<30	<2	<4	61	1079	2.1	27	176.9
26495	23.84	8	771	847	86	<1	5024.0	127	36	21	92	1043	2.8	38	228.6
26496	3.82	<2	579	988	52	<1	952.5	<30	<2	<4	7	1864	2.6	42	87.1
26499	4.60	8	1161	990	65	<1	5396.0	130	35	21	59	1572	2.6	33	234.8

Table 5, Continued

DATA LISTING FOR WATERS OF THE FORT SUMNER QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
26380	122	26	14.5	<4	44	<1	57.0	5638	<2	587	<1	2054	<2
26381	274	25	24.1	12	255	<1	26.1	27762	118	20	9	4445	40
26384	185	<4	4.9	<4	<40	<1	20.2	4552	31	<4	<1	2575	<2
26385	64	<4	3.1	37	<40	<1	28.1	3109	<2	<4	<1	7134	<2
26386	773	8	10.7	<4	127	<1	15.3	20742	<2	<4	<1	110	<2
26387	1602	7	18.5	<4	401	<1	29.8	39666	12	<4	3	1590	<2
26393	2	21	1.3	14	56	<1	19.1	772	<2	116	<1	544	<2
26394	154	31	1.8	44	180	<1	21.8	882	28	51	<1	934	<2
26395	25	<4	2.5	<4	<40	<1	20.6	1207	<2	57	<1	1025	<2
26396	100	15	8.1	<4	122	<1	18.1	1462	28	57	<1	4902	<2
26397	365	41	3.7	<4	363	6	44.3	1654	154	162	<1	1945	<2
26398	350	28	10.1	36	307	<1	29.0	1837	53	129	5	5922	24
26401	286	52	2.0	25	<40	166	25.4	2678	478	148	13	1765	54
26402	2	25	37.2	<4	48	<1	25.6	2483	<2	64	4	7	41
26403	<2	34	32.6	14	<40	<1	24.8	2429	<2	18	1	<4	6
26404	10	6	34.5	5	<40	4	27.8	2727	13	26	2	65	16
26406	76	32	61.9	29	<40	<1	48.4	6982	6	70	1	957	4
26407	32	31	28.2	36	<40	<1	25.6	3666	4	61	3	484	19
26410	125	13	83.7	11	<40	<1	43.7	7261	9	34	<1	700	<2
26415	152	<4	880.0	22	<40	2	1.9	15184	21	10	6	856	18
26418	643	35	123.7	26	294	<1	53.3	16580	152	57	10	3225	35
26420	379	<4	110.5	10	<40	<1	23.8	3158	<2	34	<1	199	<2
26421	456	<4	136.2	<4	101	<1	25.3	3540	4	27	<1	282	<2
26425	125	19	174.0	14	90	<1	37.7	4340	36	112	2	3365	<2
26429	38	<4	37.5	<4	<40	8	29.5	2050	26	74	<1	451	<2
26471	21	10	16.1	<4	104	<1	21.1	1367	<2	27	<1	96	<2
26472	<2	<4	15.5	<4	<40	<1	18.2	1284	<2	<4	<1	<4	<2
26475	25	<4	42.4	<4	<40	<1	18.2	2443	6	20	<1	230	<2
26477	67	<4	65.2	10	<40	<1	34.4	3458	10	54	3	275	2
26478	75	<4	42.7	<4	<40	1	46.3	10602	22	122	2	590	<2
26479	44	<4	23.4	8	<40	<1	30.9	7232	8	82	1	444	6
26480	18	14	40.7	<4	<40	<1	29.6	5409	6	103	1	136	<2
26482	35	36	33.4	<4	41	<1	38.0	7180	4	124	2	221	3
26483	43	4	106.5	23	<40	<1	41.4	9413	17	113	2	384	<2
26485	229	19	59.1	<4	<40	9	12.5	21375	55	4	2	1269	<2
26486	470	53	79.3	20	<40	38	22.5	37402	172	25	3	2820	<2
26488	37	33	69.2	<4	<40	3	5.2	17080	29	<4	<1	47	<2
26490	121	36	81.1	27	<40	<1	42.0	13050	12	<4	<1	1381	<2
26492	83	<4	58.6	<4	<40	13	9.2	21142	84	<4	<1	400	<2
26495	138	22	63.0	38	<40	22	14.3	26644	128	48	10	952	44
26496	67	<4	50.6	<4	<40	<1	24.7	4459	13	15	<1	972	<2
26499	358	103	40.4	67	205	10	31.1	27758	103	43	11	3554	46

Table 6

STATISTICAL SUMMARY FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

	NO. SAMPLES ANALYZED										LN TRANSFORMATION			
		BELOW								COEFFICIENT			ROBUST	
	MEASURABLE	DETECTION	DETECTION	MINIMUM	MAXIMUM				STANDARD	OF				
ELEMENT	VALUES	LIMIT	LIMIT	VALUE	VALUE	MEAN	MEDIAN	MODE	DEVIATION	VARIATION	MEAN	S. D.	MEAN	S. D.
U-NT	1127			0.10	7.80	2.38	2.40	2.41	0.449	0.188	0.85	0.20	0.85	0.15
AG	15	1121	<2	<2	7	2	<2	<2	1.4	0.5	0.87	0.38		
AL	1136			0.73	8.05	4.57	4.59	4.88	0.969	0.212	1.49	0.24	1.51	0.21
B	1080	56	<10	<10	101	21	19	15	9.0	0.4	3.00	0.35	2.95	0.40
BA	1136			66	1303	497	498	516	98.6	0.2	6.19	0.23	6.20	0.16
BE	1122	14	<1	<1	5	1	<1	<1	0.3	0.3	0.06	0.20		
CA	1136			0.17	19.35	2.20	1.63	0.53	2.044	0.931	0.42	0.87	0.42	0.83
CE	1133	3	<10	<10	106	44	44	45	10.5	0.2	3.76	0.26	3.77	0.25
CO	1029	107	<4	<4	13	6	6	6	1.6	0.3	1.77	0.25	1.74	0.27
CR	1136			4	97	25	25	26	7.2	0.3	3.19	0.29	3.20	0.28
CU	1136			2	1239	18	16	16	47.0	2.5	2.77	0.39	2.76	0.32
FE	1136			0.23	3.78	1.78	1.78	1.72	0.458	0.257	0.54	0.28	0.55	0.27
HF	106	1030	<15	<15	44	20	<15	<15	5.8	0.3	2.99	0.24		
K	1136			0.22	2.34	1.41	1.44	1.44	0.297	0.211	0.32	0.24	0.33	0.23
LA	1136			2	63	19	20	18	5.1	0.3	2.95	0.29	2.97	0.25
LI	1136			6	66	22	22	20	6.3	0.3	3.08	0.27	3.08	0.27
MG	1136			0.14	3.78	0.64	0.51	0.40	0.398	0.625	-0.59	0.50	-0.61	0.50
MN	1136			71	1436	347	336	280	120.1	0.3	5.79	0.36	5.80	0.34
MO	12	1124	<4	<4	5	4	<4	<4	0.3	0.1	1.40	0.06		
NA	1135	1	<0.05	<0.05	3.96	0.70	0.67	0.57	0.213	0.307	-0.40	0.29	-0.40	0.27
NB	1117	19	<4	<4	70	7	8	6	2.9	0.4	2.02	0.29	2.01	0.28
NI	1134	2	<2	<2	111	13	13	11	5.5	0.4	2.51	0.36	2.52	0.35
P	1136			78	6328	401	377	384	229.0	0.6	5.91	0.40	5.92	0.39
PB	1013	123	<10	<10	110	19	18	15	7.3	0.4	2.92	0.32	2.85	0.38
SC	1136			1	9	4	4	3	1.2	0.3	1.40	0.31	1.41	0.30
SR	1136			32	2138	157	128	131	155.5	1.0	4.91	0.43	4.87	0.37
TH	1002	134	<2	<2	25	6	5	5	3.0	0.5	1.72	0.49	1.65	0.54
TI	1136			264	3928	2114	2128	2113	435.3	0.2	7.62	0.27	7.65	0.21
V	1136			9	100	46	46	45	11.3	0.2	3.81	0.26	3.82	0.25
Y	1136			2	37	10	10	10	2.7	0.2	2.27	0.28	2.29	0.26
ZN	1136			6	1637	46	43	42	50.0	1.1	3.75	0.36	3.76	0.33
ZR	1136			10	151	60	60	60	12.6	0.2	4.08	0.23	4.09	0.20

Table 7

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEN	WTEN	CONN	MEAS	PH	CT-F
0126	N	35	34.987	105.783	2	15	08/07/75	13						
0128	N	35	34.972	105.774	2	15	08/07/75	14						
0129	N	35	34.973	105.787	2	15	08/07/75	14						
0130	N	35	34.962	105.794	2	15	08/07/75	14						
0131	N	35	34.954	105.761	2	15	08/07/75	15						
0132	N	35	34.957	105.776	2	15	08/07/75	15						
0133	N	35	34.995	105.818	2	15	08/07/75	15						
0458	N	35	34.842	105.650	2	15	09/15/75	14						
0459	N	35	34.942	105.633	2	15	09/15/75	15						
0460	N	35	34.924	105.625	2	15	09/15/75	15						
0465	N	35	34.854	105.665	2	15	09/15/75	17						
0466	N	35	34.842	105.662	2	15	09/15/75	17						
0467	N	35	34.825	105.664	2	15	09/15/75	17						
0469	N	35	34.799	105.658	2	15	09/15/75	18						
0470	N	35	34.783	105.667	2	15	09/15/75	18						
0471	N	35	34.775	105.664	2	15	09/15/75	18						
0472	N	35	34.756	105.642	2	15	09/15/75	19						
0473	N	35	34.750	105.667	2	15	09/15/75	19						
0475	N	35	34.714	105.664	2	15	09/15/75	20						
0476	N	35	34.675	105.656	2	15	09/16/75	9						
0478	N	35	34.640	105.679	2	15	09/16/75	10						
0480	N	35	34.714	105.697	2	15	09/16/75	11						
0481	N	35	34.718	105.710	2	15	09/16/75	11						
0482	N	35	34.732	105.721	2	15	09/16/75	11						
0483	N	35	34.658	105.725	2	15	09/16/75	11						
0485	N	35	34.699	105.774	2	15	09/16/75	12						
0486	N	35	34.708	105.806	2	15	09/16/75	12						
0611	N	35	34.988	105.926	2	15	09/27/75	8						
0612	N	35	34.982	105.926	2	15	09/27/75	8						
0613	N	35	34.971	105.926	2	15	09/27/75	8						
0614	N	35	34.967	105.936	2	15	09/27/75	9						
0615	N	35	34.969	105.944	2	15	09/27/75	9						
0616	N	35	34.968	105.957	2	15	09/27/75	9						
0617	N	35	34.968	105.964	2	15	09/27/75	9						
0619	N	35	34.962	105.934	2	15	09/27/75	9						
0620	N	35	34.955	105.935	2	15	09/27/75	10						
0621	N	35	34.951	105.924	2	15	09/27/75	10						
0622	N	35	34.942	105.911	2	15	09/27/75	10						
0623	N	35	34.942	105.900	2	15	09/27/75	10						
0624	N	35	34.942	105.896	2	15	09/27/75	10						
0625	N	35	34.938	105.887	2	15	09/27/75	10						
0626	N	35	34.933	105.879	2	15	09/27/75	11						
0627	N	35	34.927	105.908	2	15	09/27/75	12	25.0					
0628	N	35	34.902	105.936	2	15	09/27/75	13						
0629	N	35	34.892	105.936	2	15	09/27/75	14						
0630	N	35	34.884	105.931	2	15	09/27/75	14						
0631	N	35	34.889	105.909	2	15	09/27/75	14						
0632	N	35	34.882	105.907	2	15	09/27/75	14						
0633	N	35	34.868	105.904	2	15	09/27/75	15						
0634	N	35	34.856	105.895	2	15	09/27/75	15						
0639	N	35	34.839	105.902	2	15	09/27/75	16						
0640	N	35	34.830	105.903	2	15	09/27/75	16						
0648	N	35	34.814	105.853	2	15	09/27/75	18						
0649	N	35	34.800	105.844	2	15	09/27/75	18						
0651	N	35	34.783	105.834	2	15	09/27/75	18						

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
0126	3		4		1					1	2.70	<2	6.24	24
0128	1		4		1					1	3.70	<2	4.29	17
0129	3		4		1					1	2.60	<2	5.57	26
0130	1		4		1					2	2.60	<2	5.59	31
0131	3		4		1						2.00	<2	3.97	30
0132	3		4		1						2.30	<2	5.24	45
0133	1		4		1					2	2.40	<2	4.69	19
0458	3				4	6			2	1	2.90	<2	6.10	18
0459	3				5	7			2	1	2.40	<2	5.38	20
0460	3				5	6			2	1	2.50	<2	6.24	35
0465	3				5	6			2	1	2.50	<2	4.51	19
0466	3				5	6			3	1	2.70	<2	4.90	18
0467	3				5	6			3	1	2.70	<2	5.67	21
0469	3				5	6			3	1	2.60	<2	6.16	25
0470	3				5	6			2	1	2.70	<2	5.55	20
0471	3				5	6			2	1	2.80	<2	5.10	17
0472	3				5	6			2	1	2.80	<2	5.43	19
0473	3				5	6			2	1	2.20	<2	4.31	11
0475	3				5	6			2	1	2.90	<2	5.32	18
0476	3				5	6			2	1	2.80	<2	5.37	16
0478	3				4	1			2	1	3.60	<2	4.87	18
0480	3				5	6			2	1	2.50	<2	5.06	21
0481	3				5	6			2	1	2.40	<2	6.76	26
0482	3				5	6			2	1	2.60	<2	6.03	24
0483	3				5	6			2	1	2.80	<2	5.30	23
0485	3				5	6			2	1	2.70	<2	4.86	18
0486	3				4	1			2	1	2.30	<2	4.07	17
0611	3				4	6			2	1	2.70	<2	5.54	22
0612	3				4	6			2	1	2.70	<2	4.94	18
0613	3				5	6			1	1	2.70	<2	4.91	15
0614	3				5	6			2	1	2.50	<2	5.30	23
0615	3				5	6			2	1	2.60	<2	5.70	21
0616	3				5	6			2	1	2.90	<2	5.28	18
0617	3				5	6			2	1	2.60	<2	5.17	18
0619	3				5	6			2	1	2.40	<2	5.48	19
0620	3				4	6			2	1	2.60	<2	5.15	20
0621	3				5	6			2	1	2.40	<2	4.87	18
0622	3				5	6			2	1	2.40	<2	4.75	23
0623	3				5	6			2	1	2.50	<2	3.15	<10
0624	3				4				2	1	2.50	<2	4.16	11
0625	3				5	6			2	1	2.60	<2	4.62	16
0626	3				4	6			2	1	2.40	<2	3.74	12
0627	3				5	6			2	1	2.70	<2	4.63	17
0628	3				5	6			2	1	2.30	<2	4.79	20
0629	3				5	6			2	1	2.40	<2	4.16	14
0630	3				5	6			2	1	3.10	<2	4.83	14
0631	3				5	6			2	1	2.70	<2	7.33	44
0632	3				5	6			2	1	2.40	<2	5.53	23
0633	3				4				2	1	2.30	<2	3.96	11
0634	3				4				2	1	2.10	<2	3.15	13
0639	3				5	6			2	1	1.70	<2	3.96	20
0640	3				5	6			2	1	2.00	<2	4.49	24
0648	3				5	6			2	1	2.00	<2	4.02	14
0649	3				5	6			2	1	2.40	<2	5.12	15
0651	3				5	6			2	1	2.30	<2	4.71	14

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
0126	536	1	0.91	59	8	29	23	2.25	<15	1.74	26	31	0.65	495	<4
0128	474	1	1.83	44	6	20	13	1.52	<15	1.43	18	20	0.39	265	<4
0129	520	1	1.23	54	7	26	18	1.86	<15	1.67	22	28	0.57	398	<4
0130	491	1	0.89	45	6	26	16	1.86	19	1.78	20	34	0.79	407	<4
0131	410	1	2.62	34	5	21	10	1.21	<15	1.65	14	32	0.92	206	<4
0132	494	1	3.35	46	5	27	16	1.71	<15	1.91	17	43	1.15	304	<4
0133	503	1	0.68	43	5	21	13	1.58	<15	1.80	18	24	0.40	287	<4
0458	556	1	0.46	51	6	27	17	2.05	<15	2.01	22	32	0.43	381	<4
0459	516	1	0.33	47	5	23	16	1.51	<15	2.18	20	25	0.32	272	<4
0460	546	1	1.64	55	7	31	18	1.98	<15	2.34	22	34	0.69	426	<4
0465	474	1	0.31	40	4	19	12	1.46	<15	1.83	17	23	0.29	273	<4
0466	516	1	1.12	44	5	23	14	1.71	<15	1.74	17	29	0.42	282	<4
0467	563	1	0.47	50	6	24	18	1.82	<15	2.02	22	28	0.41	475	<4
0469	596	1	1.49	59	8	35	22	2.28	<15	1.67	25	34	0.61	340	<4
0470	552	1	0.56	54	7	26	16	1.86	<15	1.94	23	25	0.45	414	<4
0471	533	1	0.89	52	6	26	15	1.73	<15	1.82	23	26	0.41	289	<4
0472	557	1	0.46	53	6	24	17	1.71	<15	1.96	23	24	0.35	448	<4
0473	503	1	0.34	31	<4	15	10	1.10	<15	1.09	14	20	0.22	204	<4
0475	540	1	0.53	55	6	25	15	1.82	<15	1.84	23	23	0.41	369	<4
0476	518	1	0.61	57	7	25	16	1.89	<15	1.93	23	25	0.42	362	<4
0478	541	1	0.51	62	7	27	15	2.25	<15	1.63	25	25	0.39	437	<4
0480	496	1	0.52	46	5	23	18	1.75	<15	1.93	20	25	0.40	328	<4
0481	572	1	1.31	58	7	32	32	2.37	<15	2.16	26	35	0.60	420	<4
0482	554	1	0.70	65	6	28	17	2.07	<15	2.00	27	29	0.52	419	<4
0483	540	1	0.50	56	5	25	16	1.80	18	1.97	24	24	0.40	385	<4
0485	522	1	0.48	42	4	21	14	1.42	<15	1.89	19	21	0.32	276	<4
0486	488	1	2.46	40	<4	17	11	1.18	<15	1.61	16	19	0.43	261	<4
0611	540	1	1.31	53	7	27	19	2.02	24	1.77	24	27	0.46	350	<4
0612	509	1	0.45	50	6	23	14	1.70	<15	1.81	21	22	0.33	314	<4
0613	524	1	0.73	49	5	24	14	1.75	<15	1.70	21	22	0.39	293	<4
0614	552	1	1.14	53	6	24	16	1.75	<15	1.93	21	24	0.47	339	<4
0615	573	1	0.68	53	6	25	17	1.95	<15	1.91	24	25	0.53	428	<4
0616	540	1	0.43	48	6	23	15	1.73	<15	1.95	21	24	0.35	371	<4
0617	545	1	0.52	45	4	20	14	1.58	<15	1.95	20	24	0.37	342	<4
0619	567	1	1.26	53	6	24	15	1.83	<15	1.86	22	25	0.52	368	<4
0620	551	1	0.81	53	5	24	14	1.76	18	1.83	23	23	0.42	310	<4
0621	519	1	0.43	49	5	22	15	1.60	<15	1.77	22	22	0.35	326	<4
0622	544	1	1.50	41	5	22	14	1.71	<15	1.58	19	21	0.52	344	<4
0623	488	1	2.29	<10	<4	5	2	1.33	<15	1.16	11	14	0.28	197	<4
0624	511	1	0.33	44	4	19	36	1.27	23	1.67	18	20	0.25	218	<4
0625	534	1	0.84	44	4	20	15	1.54	<15	1.72	18	21	0.40	294	<4
0626	449	1	0.29	33	<4	15	10	1.28	<15	1.63	14	17	0.22	204	<4
0627	528	1	0.41	45	5	20	11	1.45	<15	1.75	19	19	0.30	258	<4
0628	541	1	0.60	45	4	19	12	1.38	<15	1.94	20	20	0.39	259	<4
0629	517	1	0.50	41	<4	15	9	1.13	<15	1.70	17	16	0.31	204	<4
0630	535	1	0.42	61	6	23	14	1.65	<15	1.68	26	20	0.33	353	<4
0631	650	2	3.93	68	11	41	25	2.93	<15	1.83	27	49	1.17	596	<4
0632	531	1	2.12	47	6	27	18	1.95	<15	1.79	21	28	0.65	346	<4
0633	472	1	0.77	36	<4	17	10	1.22	<15	1.58	16	17	0.36	240	<4
0634	450	1	1.61	32	<4	12	6	0.71	<15	1.39	14	14	0.26	149	<4
0639	491	1	1.74	27	<4	15	9	0.96	<15	1.67	13	21	0.47	171	<4
0640	475	1	1.53	34	4	21	15	1.36	<15	1.74	14	25	0.62	264	<4
0648	510	1	0.64	37	<4	17	11	1.06	<15	1.59	15	16	0.39	230	<4
0649	545	1	0.87	46	5	24	14	1.70	17	1.79	19	23	0.54	454	<4
0651	508	1	3.42	46	5	23	15	1.54	<15	1.61	18	24	0.57	285	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
0126	0.81	9	15	583	18	6	126	5	2460	58	14	64	73
0128	0.65	7	12	335	16	3	117	10	1835	45	9	37	55
0129	0.71	8	12	476	29	5	120	7	2071	51	12	51	59
0130	0.85	7	11	558	18	5	127	4	2132	49	11	53	63
0131	0.63	5	12	285	10	3	106	5	1450	34	7	28	48
0132	0.76	8	14	446	15	4	135	5	1889	47	9	41	56
0133	0.97	7	7	328	15	4	117	4	1960	42	9	41	56
0458	1.05	8	9	351	21	5	134	7	2501	54	12	54	71
0459	0.88	8	8	507	23	4	119	7	1945	42	11	63	64
0460	0.78	7	17	527	19	6	134	9	2045	55	12	64	58
0465	0.88	6	11	314	14	3	105	<2	1924	39	9	37	57
0466	0.97	8	9	327	10	4	131	<2	2291	51	9	47	60
0467	1.11	7	10	428	<10	5	140	<2	2223	46	13	53	65
0469	0.97	10	19	362	17	6	153	8	2477	63	13	58	70
0470	1.13	9	12	410	18	5	144	6	2342	47	12	51	65
0471	1.03	8	13	352	14	4	130	6	2221	47	11	43	66
0472	1.18	10	9	431	17	5	145	8	2247	44	12	52	64
0473	1.14	5	4	217	<10	3	123	<2	1771	29	8	30	53
0475	1.12	9	8	365	14	5	144	4	2399	49	12	49	66
0476	1.02	9	14	423	23	4	133	8	2328	50	12	53	65
0478	0.88	9	11	283	21	5	125	8	2788	57	15	47	97
0480	0.93	8	11	447	15	4	123	2	2187	45	11	57	67
0481	0.97	9	14	578	78	6	143	7	2312	54	15	167	65
0482	1.09	10	13	508	22	5	148	8	2338	51	14	59	68
0483	1.16	8	9	430	20	5	142	8	2259	46	13	52	67
0485	1.27	7	8	371	16	3	144	4	2094	37	10	42	60
0486	0.98	7	7	346	10	3	213	2	1885	31	9	36	62
0611	0.89	9	13	439	16	5	135	5	2344	52	12	55	69
0612	1.00	8	8	320	18	4	130	6	2289	46	11	45	67
0613	0.93	8	8	371	18	4	130	<2	2187	46	11	45	64
0614	0.99	9	10	477	15	4	138	3	2080	43	11	50	60
0615	1.08	9	11	595	22	5	146	6	2289	48	12	55	65
0616	1.14	8	11	393	13	4	138	3	2299	46	12	45	64
0617	1.19	4	8	490	15	4	151	6	2048	40	11	45	57
0619	0.98	7	12	441	15	4	150	2	2129	46	11	49	60
0620	1.00	6	10	392	15	4	139	6	2302	46	11	53	69
0621	0.95	8	13	363	17	4	128	3	2070	42	11	45	61
0622	0.70	7	13	492	16	4	126	8	2035	44	9	38	58
0623	0.59	5	<2	177	<10	1	115	<2	1865	25	3	18	38
0624	0.86	7	10	237	18	3	117	5	1763	36	8	28	58
0625	0.95	6	11	380	12	4	132	6	2042	40	9	42	59
0626	0.87	5	7	221	10	3	104	<2	1778	35	7	31	53
0627	0.99	7	7	297	14	4	130	3	2121	38	10	37	68
0628	1.06	6	9	370	13	4	134	4	1947	34	9	41	56
0629	0.95	7	6	276	13	3	123	<2	1725	30	8	33	49
0630	1.01	10	9	354	18	4	137	6	2418	45	12	40	73
0631	0.53	9	20	656	32	8	159	9	2456	75	14	76	61
0632	0.83	8	14	522	25	5	138	2	2114	49	11	51	57
0633	0.84	6	7	346	14	3	118	<2	1703	32	8	34	49
0634	0.77	4	5	177	16	2	132	12	1443	22	6	17	45
0639	0.85	4	8	321	13	3	153	4	1274	26	6	25	40
0640	0.83	4	10	508	11	4	143	<2	1640	35	8	35	45
0648	0.87	7	6	346	12	3	123	<2	1553	27	7	33	46
0649	0.95	7	13	529	10	4	139	<2	2039	41	11	52	58
0651	0.76	6	11	437	14	4	190	11	1783	44	10	42	53

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
0653	M	35	34.753	105.833	2	15	09/27/75	18						
0654	M	35	34.697	105.833	2	15	09/27/75	18						
0657	M	35	34.586	105.950	2	13	10/07/75	10	18.0	13.0	C		8.3	
0665	M	35	34.596	105.994	2	15	10/07/75	14						
0668	M	35	34.504	105.936	2	15	10/07/75	15						
0669	M	35	34.515	105.956	2	15	10/07/75	15						
0670	M	35	34.542	105.985	2	15	10/07/75	15						
0725	M	35	34.771	105.999	2	13	10/14/75	10						
0778	M	35	34.969	105.987	2	15	08/06/75	8						
0779	M	35	34.982	105.978	2	15	08/06/75	8						
0780	M	35	34.992	105.977	2	15	08/06/75	9						
0781	M	35	34.998	105.969	2	15	08/06/75	9						
0782	M	35	34.996	105.951	2	15	08/06/75	9						
0783	M	35	34.996	105.934	2	15	08/06/75	9						
0784	M	35	34.990	105.924	2	15	08/06/75	9						
0785	M	35	34.966	105.869	2	15	08/06/75	10						
0786	M	35	34.974	105.867	2	15	08/06/75	10						
0787	M	35	34.995	105.856	2	15	08/06/75	10						
0788	M	35	34.997	105.891	2	15	08/06/75	10						
0789	M	35	34.999	105.897	2	15	08/06/75	10						
0790	M	35	34.950	105.883	2	15	08/06/75	12						
0791	M	35	34.951	105.871	2	15	08/06/75	12						
0792	M	35	34.948	105.872	2	15	08/06/75	12						
0793	M	35	34.946	105.872	2	15	08/06/75	12						
0794	M	35	34.937	105.864	2	15	08/06/75	12						
0795	M	35	34.926	105.857	2	15	08/06/75	12						
0796	M	35	34.922	105.850	2	15	08/06/75	13						
0797	M	35	34.911	105.845	2	15	08/06/75	13						
0798	M	35	34.915	105.823	2	15	08/06/75	13						
0800	M	35	34.906	105.819	2	15	08/06/75	13						
0801	M	35	34.908	105.804	2	15	08/06/75	13						
0802	M	35	34.909	105.795	2	15	08/06/75	13						
0803	M	35	34.932	105.778	2	15	08/06/75	13						
0805	M	35	34.928	105.764	2	15	08/06/75	14						
0806	M	35	34.928	105.761	2	15	08/06/75	14						
0807	M	35	34.931	105.760	2	15	08/06/75	14						
0808	M	35	34.929	105.756	2	15	08/06/75	14						
0809	M	35	34.920	105.762	2	15	08/06/75	14						
0810	M	35	34.896	105.764	2	15	08/06/75	15						
0811	M	35	34.895	105.754	2	15	08/06/75	15						
0812	M	35	34.878	105.794	2	15	08/06/75	15						
0813	M	35	34.871	105.798	2	15	08/06/75	15						
0814	M	35	34.876	105.813	2	15	08/06/75	15						
0815	M	35	34.878	105.833	2	15	08/06/75	16						
0816	M	35	34.877	105.836	2	15	08/06/75	16						
0817	M	35	34.874	105.842	2	15	08/06/75	16						
0818	M	35	34.870	105.852	2	15	08/06/75	16						
1032	M	35	34.822	105.858	2	15	08/19/75	16						
1033	M	35	34.818	105.842	2	15	08/19/75	17						
1034	M	35	34.814	105.824	2	15	08/19/75	17						
1035	M	35	34.811	105.821	2	15	08/19/75	17						
1038	M	35	34.697	105.806	2	15	08/19/75	17						
1039	M	35	34.836	105.806	2	15	08/19/75	17						
1040	M	35	34.837	105.810	2	15	08/19/75	18						
1041	M	35	34.843	105.803	2	15	08/19/75	18						

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
0653	3				4	1			2	1	2.10	<2	3.84	19
0654	3				5	6			2	1	2.30	<2	4.64	22
0657	3				5	6			1	1	3.60	<2	3.51	13
0665	3				5				1	1	2.40	<2	3.49	17
0668	3				4				1	1	2.50	<2	4.46	26
0669	3				4				1	1	2.50	<2	4.36	28
0670	3				4				1	1	2.50	<2	4.00	27
0725	3				4	6			1	1	3.00	<2	3.39	24
0778	3		4		1				1	1	1.90	<2	3.47	37
0779	3		4		1				1	1	2.60	<2	4.32	18
0780	3		4		1				1	1	2.20	<2	4.24	14
0781	3		4		1				1	1	2.60	<2	4.49	16
0782	3		4		1				1	1	2.60	<2	4.54	21
0783	3		4		1				1	1	2.80	<2	5.46	22
0784	3		4		1				1	1	3.00	<2	4.89	18
0785	3		4		1				1	1		<2	5.74	32
0786	3		4		1				1	1	2.40	<2	5.94	30
0787	3		4		1				2	1	2.60	<2	5.23	12
0788	3		4		1				1	1	3.30	<2	4.65	20
0789	3		4		1				1	1	2.90	<2	5.11	22
0790	3		4		1				1	1	2.10	<2	4.18	20
0791	3		4		1				1	1	2.50	<2	4.55	18
0792	3		4		1				2	1	2.40	<2	3.71	12
0793	3		4		1				1	1	2.60	<2	4.36	17
0794	3		4		1				1	1	3.60	<2	3.35	12
0795	3		4		1				1	1	2.60	<2	5.05	27
0796	3		4		1				1	1	2.80	<2	4.30	22
0797	3		4		1				1	1	2.50	<2	5.01	22
0798	3		4		1				2	1	2.20	<2	4.78	25
0800	3		4		1				2	1	2.20	<2	4.33	25
0801	3		4		1				2	1	2.20	<2	4.33	29
0802	3		4		1				2	1	2.30	<2	4.57	29
0803	3		4		1				2	1	2.60	<2	5.32	24
0805	3		4		1				3	1	2.40	<2	4.84	25
0806	3		4		1				2	1	1.60	<2	3.02	31
0807	3		1	4	1				2	1	2.50	<2	3.18	21
0808	3		1	4	1				2	1	2.20	<2	3.66	32
0809	3		1	4	1				5	1	2.20	<2	3.22	25
0810	3		4		1	4			3	1	2.30	<2	4.03	25
0811	3		4		1	4			3	1	2.20	<2	4.23	36
0812	3		4		1	6			2	1	2.40	<2	4.13	18
0813	3		4		1	6			2	1	2.20	<2	4.85	30
0814	3		4		1	6			2	1	2.20	<2	4.35	27
0815	3		4	4	1	6			2	1	1.90	<2	4.75	46
0816	3		4	4	1				2	1	2.20	<2	6.53	78
0817	3		4		1				2	1	2.50	<2	3.29	18
0818	3		4	4	1	6			3	1	2.20	<2	4.31	22
1032	1		4		1				1		1.80	<2	2.99	13
1033	3		4		1				1		2.10	<2	3.44	17
1034	3		4		1				2		1.90	<2	4.08	19
1035	3		4		1				2		2.10	<2	3.56	11
1038	3		4		1				2	2	2.40	<2	4.73	19
1039	3		4		1				2	2	2.00	<2	4.02	20
1040	3		4		1				2	2	1.60	<2	3.11	18
1041	3		4		1				2		2.20	<2	3.99	21

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
0653	518	1	4.66	30	4	16	11	1.01	<15	1.49	13	23	0.79	243	<4
0654	500	1	1.25	33	4	19	13	1.42	<15	1.79	14	21	0.49	322	<4
0657	424	1	9.46	29	5	20	17	1.51	<15	0.96	12	35	2.64	339	<4
0655	479	1	7.86	28	5	18	12	1.24	<15	1.28	11	27	0.87	263	<4
0668	513	1	6.52	46	6	24	18	1.64	<15	1.62	17	27	0.82	410	<4
0669	509	1	8.40	34	6	24	18	1.80	<15	1.36	15	32	1.12	342	<4
0670	645	1	9.27	35	6	22	16	1.57	<15	1.23	13	26	0.82	307	<4
0725	386	1	6.68	30	4	22	18	1.39	<15	1.02	13	44	2.46	265	<4
0778	350	1	6.85	33	4	18	11	1.22	44	1.02	14	47	1.80	221	<4
0779	522	1	0.64	45	4	18	11	1.23	<15	1.73	20	23	0.43	244	<4
0780	522	1	0.62	42	4	17	10	1.21	<15	1.58	18	19	0.37	235	<4
0781	497	1	0.80	46	4	20	11	1.45	<15	1.74	19	21	0.35	245	<4
0782	504	1	0.53	47	5	21	14	1.58	<15	1.57	21	20	0.38	333	5
0783	548	1	0.73	55	6	27	19	1.95	<15	1.71	24	24	0.45	450	<4
0784	527	1	0.67	47	5	24	17	1.78	<15	1.67	21	21	0.36	327	<4
0785	554	1	2.15	57	7	28	23	2.00	<15	1.86	24	31	0.69	445	<4
0786	531	1	2.51	52	7	31	19	2.16	<15	1.80	22	36	0.87	387	<4
0787	547	1	0.73	51	6	25	19	1.82	<15	1.69	23	23	0.49	381	<4
0788	507	1	2.27	52	6	27	20	2.13	<15	1.34	24	20	0.43	287	<4
0789	540	1	1.01	47	6	27	25	2.07	<15	1.48	24	22	0.47	403	<4
0790	482	1	0.74	33	4	20	14	1.53	<15	1.47	18	17	0.39	295	<4
0791	519	1	0.88	42	5	22	15	1.70	<15	1.53	20	19	0.39	285	<4
0792	464	1	1.07	39	4	20	14	1.67	<15	1.39	18	16	0.32	268	<4
0793	483	1	1.11	43	5	23	17	1.79	17	1.42	21	20	0.47	276	<4
0794	416	1	0.33	48	5	21	13	2.12	<15	1.39	22	16	0.24	307	<4
0795	508	1	0.57	46	6	26	19	1.86	<15	1.64	22	25	0.56	376	<4
0796	462	1	0.61	44	5	24	15	1.61	20	1.50	20	22	0.55	241	<4
0797	527	1	0.57	48	6	25	20	1.86	<15	1.61	22	21	0.52	429	<4
0798	492	1	0.77	51	6	25	17	1.73	<15	1.57	22	23	0.60	331	<4
0800	463	1	1.18	47	6	25	15	1.62	28	1.42	20	22	0.66	291	<4
0801	469	1	3.41	42	6	22	17	1.47	<15	1.48	19	26	1.01	280	<4
0802	464	1	1.02	47	6	26	17	1.70	<15	1.54	21	24	0.72	348	<4
0803	545	1	1.19	55	7	28	20	2.11	19	1.57	24	24	0.66	418	<4
0805	575	1	1.40	50	7	26	19	1.80	<15	1.46	23	21	0.50	376	<4
0806	363	1	2.61	30	5	18	10	1.06	<15	1.27	12	23	0.82	182	<4
0807	405	1	2.14	38	5	21	13	1.56	<15	1.23	16	19	0.55	234	<4
0808	426	1	2.42	34	5	26	12	1.52	<15	1.31	15	25	0.93	236	<4
0809	377	1	2.88	27	5	27	12	1.66	<15	1.19	12	21	0.90	274	<4
0810	444	1	1.23	38	5	25	15	1.64	<15	1.25	19	19	0.71	314	<4
0811	338	1	2.39	43	6	28	16	1.64	<15	1.20	19	24	0.81	332	<4
0812	458	1	0.44	49	6	25	16	1.61	<15	1.35	22	17	0.41	297	<4
0813	472	1	0.79	44	6	28	19	1.86	<15	1.60	20	26	0.83	423	<4
0814	442	1	0.66	46	6	26	17	1.69	<15	1.44	20	22	0.72	358	<4
0815	437	1	2.44	38	6	31	16	1.81	<15	1.55	18	32	1.18	315	<4
0816	400	2	4.79	64	11	50	26	2.88	<15	1.62	27	58	2.08	490	<4
0817	430	1	0.65	28	<4	18	9	1.32	<15	1.51	13	15	0.35	186	<4
0818	489	1	0.63	23	<4	17	12	1.36	20	1.79	12	21	0.51	277	<4
1032	484	1	1.49	22	<4	9	6	0.66	<15	1.45	10	12	0.25	150	<4
1033	507	1	0.63	31	<4	12	9	0.92	<15	1.45	15	13	0.32	197	<4
1034	524	1	1.03	38	4	17	13	1.23	<15	1.67	17	17	0.44	265	<4
1035	505	1	1.35	40	4	15	9	1.08	22	1.44	18	14	0.35	211	<4
1038	550	1	0.44	40	4	20	15	1.55	21	1.77	20	20	0.43	318	<4
1039	500	1	0.57	38	4	17	13	1.22	<15	1.75	17	15	0.40	221	<4
1040	435	1	4.27	29	4	14	10	0.94	<15	1.28	12	14	0.31	169	<4
1041	504	1	0.93	37	4	18	13	1.29	<15	1.62	17	17	0.40	233	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
0653	0.85	4	7	485	10	3	269	5	1434	28	8	31	50
0654	0.98	5	9	467	11	4	154	<2	1832	33	10	43	54
0657	2.41	8	10	443	15	4	930	4	1350	46	9	49	34
0665	0.57	8	7	531	<10	3	461	4	1409	35	8	36	39
0668	0.80	8	15	903	<10	4	386	7	1830	48	10	71	52
0669	0.57	8	14	900	19	4	461	3	1653	47	10	56	47
0670	0.57	9	14	661	10	4	389	3	1666	51	10	43	47
0725	2.96	6	15	378	<10	4	632	4	1435	39	9	38	41
0778	0.63	6	13	334	10	4	1407	5	1367	35	9	36	41
0779	1.03	6	5	424	10	3	166	3	1871	34	9	34	54
0780	0.91	6	10	365	18	3	147	8	1662	32	8	34	47
0781	0.93	6	7	297	11	3	133	7	1983	38	9	37	61
0782	0.88	7	10	388	22	4	131	11	2113	42	11	45	62
0783	0.99	9	14	505	28	5	148	4	2527	49	13	56	74
0784	1.03	7	9	354	18	4	144	<2	2480	48	11	44	72
0785	0.84	10	13	778	25	5	145	7	2081	51	12	62	59
0786	0.72	7	15	554	16	6	131	10	2020	58	11	54	57
0787	0.98	9	11	488	24	5	141	5	2172	47	11	51	63
0788	0.68	10	13	360	13	4	135	7	2536	54	11	45	72
0789	0.84	8	16	468	23	5	148	8	2646	49	13	53	81
0790	0.70	5	12	342	<10	4	123	2	1894	37	9	36	56
0791	0.80	7	13	304	11	4	133	5	2162	42	11	39	67
0792	0.69	7	9	250	10	3	116	2	2190	43	8	34	58
0793	0.70	7	11	274	15	4	127	5	2063	45	10	39	57
0794	0.64	8	6	190	<10	3	94	6	2930	55	9	34	73
0795	0.83	8	12	386	16	5	134	5	2220	44	11	47	68
0796	0.68	7	9	290	15	4	115	5	2096	40	9	34	71
0797	0.81	7	11	460	21	5	140	4	2222	42	12	47	66
0798	0.72	10	13	433	19	5	128	3	2026	40	11	43	60
0800	0.66	9	10	356	22	4	130	12	1916	40	9	39	55
0801	0.69	7	10	395	15	4	168	7	1742	37	9	37	53
0802	0.64	8	12	385	16	4	122	8	1877	40	10	41	56
0803	0.77	9	18	494	20	5	145	7	2380	49	13	55	69
0805	0.69	8	16	405	20	5	146	11	2073	45	12	53	66
0806	0.34	4	12	217	12	3	240	9	1269	29	6	20	45
0807	0.54	6	9	193	14	3	114	7	1740	42	7	24	66
0808	0.58	7	14	290	10	4	113	5	1589	40	6	23	52
0809	0.49	5	15	276	11	4	167	4	1721	43	7	22	57
0810	0.59	8	13	400	30	4	117	4	1927	38	9	39	59
0811	0.66	8	19	267	23	5	115	12	1819	42	8	36	54
0812	0.70	7	13	302	27	4	120	12	2124	39	10	37	70
0813	0.68	7	14	443	22	5	114	3	2026	42	10	42	61
0814	0.63	7	11	500	21	4	109	8	1799	39	9	40	56
0815	0.50	5	13	519	19	5	147	7	1567	44	8	40	45
0816	0.28	11	30	577	21	8	206	8	1993	70	10	54	48
0817	0.67	5	8	200	10	2	89	8	1907	37	6	24	66
0818	0.84	4	11	353	<10	3	109	<2	1839	35	7	33	55
1032	0.75	5	4	166	12	2	131	<2	1589	20	6	14	50
1033	0.72	5	5	228	21	2	113	8	1678	26	7	23	48
1034	0.76	7	8	343	23	3	117	6	1745	34	8	32	47
1035	0.67	6	7	281	18	3	113	6	1744	30	7	26	50
1038	0.83	7	12	325	13	4	124	3	2192	41	10	37	66
1039	0.81	6	8	287	14	3	108	7	1750	32	7	31	53
1040	0.58	6	8	234	14	2	271	6	1397	27	6	22	45
1041	0.73	6	9	316	24	3	119	5	1825	35	7	32	53

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONM	MEAS	PH	CT-F
1042	M	35	34.840	105.826	2	15	08/19/75	18						
1043	M	35	34.842	105.841	2	15	08/19/75	18						
1044	M	35	34.842	105.853	2	15	08/19/75	18						
1045	M	35	34.840	105.781	2	15	08/19/75	19						
1046	M	35	34.842	105.769	2	15	08/19/75	19						
1047	M	35	34.836	105.752	2	15	08/19/75	19						
1048	M	35	34.831	105.772	2	15	08/19/75	19						
1049	M	35	34.828	105.769	2	15	08/19/75	19						
1051	M	35	34.821	105.775	2	15	08/19/75	19						
1052	M	35	34.818	105.787	2	15	08/19/75	20						
1053	M	35	34.814	105.799	2	15	08/19/75	20						
1054	M	35	34.810	105.800	2	15	08/19/75	20						
1055	M	35	34.806	105.809	2	15	08/19/75	20						
1072	M	35	34.619	105.983	2	15	08/20/75	13						
1368	M	35	34.936	105.985	2	15	09/06/75	10						
1369	M	35	34.926	105.985	2	15	09/06/75	10						
1370	M	35	34.919	105.984	2	12	09/06/75	10						
1371	M	35	34.899	105.976	2	15	09/06/75	10						
1372	M	35	34.897	105.967	2	15	09/06/75	11						
1373	M	35	34.896	105.978	2	15	09/06/75	11						
1378	M	35	34.903	105.940	2	15	09/06/75	13						
1379	M	35	34.903	105.933	2	15	09/06/75	13						
1380	M	35	34.920	105.936	2	15	09/06/75	13						
1381	M	35	34.912	105.939	2	15	09/06/75	13						
1382	M	35	34.922	105.927	2	15	09/06/75	14						
1383	H	35	34.912	105.936	2	13	09/06/75	14	26.0	22.0			7.5	
1384	M	35	34.931	105.946	2	15	09/06/75	14						
1387	M	35	34.933	105.956	2	15	09/06/75	15						
1388	M	35	34.911	105.956	2	15	09/06/75	16						
1390	M	35	34.917	105.964	2	15	09/06/75	16						
1391	M	35	34.928	105.964	2	15	09/06/75	16						
1392	M	35	34.937	105.967	2	15	09/06/75	16						
1393	M	35	34.944	105.969	2	15	09/06/75	17						
1506	M	35	34.871	105.958	2	15	08/04/75	12	30.0					
1507	M	35	34.871	105.889	2	15	08/04/75	12	30.0					
1508	M	35	34.875	105.891	2	15	08/04/75	13	30.0					
1509	M	35	34.886	105.889	2	15	08/04/75	13	30.0					
1510	M	35	34.882	105.897	2	15	08/04/75	13	28.0					
1511	M	35	34.908	105.881	2	15	08/04/75	13	28.0					
1512	M	35	34.888	105.872	2	15	08/04/75	14	30.0					
1513	M	35	34.892	105.850	2	15	08/04/75	14	30.0					
1969	M	35	34.922	105.632	2	15	10/15/75	10						
1970	M	35	34.997	105.832	2	15	10/15/75	11						
1971	M	35	34.989	105.836	2	15	10/15/75	11						
1972	M	35	34.981	105.854	2	15	10/15/75	11						
1974	M	35	34.959	105.835	2	15	10/15/75	12						
1975	M	35	34.953	105.823	2	15	10/15/75	12						
1976	M	35	34.944	105.814	2	15	10/15/75	12						
1977	M	35	34.946	105.785	2	15	10/15/75	12						
1978	M	35	34.954	105.802	2	15	10/15/75	12						
1979	M	35	34.953	105.802	2	12	10/15/75	12						
1980	M	35	34.999	105.783	2	15	10/15/75	13						
1981	M	35	34.997	105.806	2	15	10/15/75	13						
1982	M	35	34.998	105.794	2	15	10/15/75	13						
1983	M	35	34.998	105.767	2	15	10/15/75	13						

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
1042	3		4		1				2		2.10	<2	4.98	23
1043	3		4		1				2		2.30	<2	4.22	16
1044	3		4		1				2		2.30	<2	3.73	20
1045	3		4		1				2		1.50	<2	3.24	12
1046	3		4		1				2		2.30	<2	4.64	23
1047	2		4		1				2		2.50	<2	4.13	26
1048	3		4		1				2		2.20	<2	4.59	22
1049	3		4		1				2		2.20	<2	4.08	18
1051	3		4		1				2		2.10	<2	4.20	16
1052	3		4		1				2		2.30	<2	4.46	20
1053	3		4		1				2		1.90	<2	3.90	17
1054	3		4		1				2	2	2.10	<2	3.81	16
1055	3		4		1				2	2	2.40	<2	4.82	19
1072	3				5	7			1	1	3.70	<2	4.03	95
1368	3				4	6			1	3	2.80	<2	3.60	14
1369	3				4	6			1	3	2.70	<2	3.33	11
1370	3				5	8	1	3	1	3	3.40	<2	3.71	22
1371	3				4	1			1	3	0.70	<2	0.98	<10
1372	3				4	6			1	3	2.20	<2	3.40	17
1373	3				4	6			1	2		<2	3.75	13
1378	3				5	6			2	2	2.40	<2	4.34	14
1379	3				5	6			2	2	2.60	<2	5.14	20
1380	3				4	6			2	2	2.80	<2	3.41	12
1381	3				5	6			2	2	2.20	<2	4.06	18
1382	3		2		4	6			2	2	2.70	<2	3.76	16
1383	3				5		1	3	2	2	2.20	<2	4.66	19
1384	3				5	6			2	2	2.10	2	3.65	14
1387	3				4				2	2	2.30	<2	3.86	15
1388	3				4	6			2	2	3.00	<2	4.44	17
1390	3				4				2	2	2.50	<2	4.22	15
1391	3				4				2	2	2.80	<2	3.91	15
1392	3				5	6			2	2	2.50	<2	4.58	17
1393	3				5	6			2	2	2.90	<2	4.10	16
1506	3		4		1					2	2.80	<2	3.32	14
1507	1		4		1					2	2.60	<2	3.40	13
1508	1		4		1					2	2.40	<2	3.31	16
1509	1		4		1					3	2.90	<2	4.86	22
1510	1		4		1					3	2.50	7	5.35	19
1511	1		4		1					4	2.00	<2	4.26	17
1512	1		4		1					4	2.50	<2	5.28	16
1513	1		4		1					3	4.20	<2	3.70	11
1969	3		1		5	6			2	1	2.60	<2	4.99	31
1970	3		1		5	6			2	1		<2	2.47	16
1971	3		1		5	6			2	1	4.00	<2	3.14	16
1972	3		1		4	1			2	1	2.40	<2	5.02	31
1974	3		1		4	1			2	1	2.30	<2	5.11	20
1975	3		1		4	1			2	1	2.40	<2	4.83	21
1976	3		1		4	1			2	1	1.60	<2	3.60	<10
1977	3		1		4	1			2	1	2.30	<2	4.62	21
1978	3		1		4	1			2	1	2.60	<2	3.22	14
1979	3		1		4	1			2	1	2.30	<2	4.48	29
1980	3		1		4	1			2	1	2.20	<2	4.01	24
1981	3		1		4	1			2	1	1.70	<2	4.03	17
1982	3		1		4	1			2	1	1.60	<2	2.44	<10
1983	3		1		4	1			2	1	2.60	<2	4.94	17

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
1042	548	1	5.78	40	5	23	20	1.78	<15	1.47	18	24	0.66	329	<4
1043	514	1	0.76	29	<4	17	13	1.31	16	1.67	15	18	0.41	287	<4
1044	470	1	0.64	32	4	18	10	1.33	28	1.48	16	16	0.42	204	<4
1045	440	1	0.83	27	<4	13	10	0.97	<15	1.46	11	15	0.32	176	<4
1046	531	1	1.38	40	5	23	16	1.64	<15	1.61	19	20	0.54	326	<4
1047	453	1	3.13	33	5	21	16	1.39	<15	1.49	15	20	0.63	278	<4
1048	527	1	0.67	40	5	21	15	1.53	<15	1.80	17	22	0.50	307	<4
1049	489	1	0.44	37	4	19	12	1.36	<15	1.70	16	18	0.39	263	<4
1051	510	1	0.70	29	<4	18	12	1.32	24	1.61	14	20	0.49	266	<4
1052	527	1	0.70	32	4	18	13	1.41	38	1.79	15	19	0.48	282	<4
1053	517	1	0.53	37	4	16	10	1.11	<15	1.70	16	16	0.34	204	<4
1054	512	1	0.53	34	<4	15	10	1.12	25	1.61	16	16	0.34	213	<4
1055	561	1	1.66	41	5	23	16	1.84	<15	1.61	19	20	0.48	336	<4
1072	485	1	7.61	39	6	23	16	1.76	<15	1.27	17	50	3.05	366	4
1368	532	1	1.28	39	<4	12	9	0.93	15	1.56	17	13	0.26	205	<4
1369	545	1	2.73	31	<4	11	7	0.83	15	1.40	15	13	0.27	164	<4
1370	571	1	3.49	26	<4	12	12	0.90	<15	1.60	13	18	0.36	136	<4
1371	159	<1	19.35	13	<4	4	3	0.23	<15	0.31	2	10	0.17	71	<4
1372	570	1	5.69	29	<4	11	8	0.84	<15	1.34	13	18	0.34	175	<4
1373	555	1	1.91	32	<4	11	8	0.93	<15	1.57	15	14	0.30	204	<4
1378	589	1	0.87	41	4	17	12	1.37	<15	1.72	20	16	0.43	281	<4
1379	592	1	0.69	43	5	22	15	1.73	<15	1.82	22	20	0.52	363	<4
1380	513	1	0.35	33	<4	11	7	0.97	<15	1.46	16	13	0.22	168	<4
1381	567	1	0.58	35	<4	14	9	1.12	<15	1.69	18	15	0.30	208	<4
1382	540	1	0.40	27	<4	14	8	1.12	<15	1.56	14	14	0.25	193	<4
1383	607	1	2.03	32	4	16	12	1.39	<15	1.74	16	21	0.44	296	<4
1384	544	1	0.35	39	<4	14	8	0.98	<15	1.58	18	14	0.23	181	<4
1387	557	1	0.52	38	<4	13	9	1.02	<15	1.68	18	15	0.25	186	<4
1388	578	1	0.55	40	4	18	12	1.41	<15	1.67	20	17	0.36	239	<4
1390	568	1	0.55	45	5	17	11	1.29	<15	1.66	20	17	0.32	239	<4
1391	558	1	1.26	39	<4	14	9	1.10	<15	1.66	17	16	0.26	209	<4
1392	588	1	0.55	40	4	17	12	1.33	<15	1.80	18	18	0.34	283	<4
1393	553	1	0.43	42	4	15	10	1.17	<15	1.72	18	17	0.27	213	<4
1506	634	1	5.86	35	<4	11	7	0.92	<15	1.28	16	17	0.33	165	<4
1507	461	1	0.87	38	4	16	11	1.27	<15	1.42	16	15	0.29	229	<4
1508	483	1	2.04	37	<4	15	9	1.23	29	1.43	17	17	0.34	192	<4
1509	506	1	0.53	51	6	23	16	1.70	19	1.70	23	20	0.41	303	<4
1510	522	1	0.57	41	8	26	19	2.00	<15	1.96	20	22	0.50	517	<4
1511	477	1	3.63	35	5	20	13	1.33	<15	1.51	16	23	0.89	258	<4
1512	549	1	2.45	45	7	25	17	1.97	<15	1.72	21	21	0.53	381	<4
1513	465	1	1.86	42	5	18	11	1.43	<15	1.37	19	14	0.35	235	<4
1969	481	1	0.55	47	6	27	16	1.80	<15	1.65	21	23	0.59	339	<4
1970	404	1	1.11	29	<4	13	6	1.06	<15	1.03	13	11	0.20	139	<4
1971	507	1	3.19	38	5	19	10	1.82	<15	1.18	17	14	0.32	236	<4
1972	504	1	0.77	42	6	25	16	1.71	<15	1.70	20	22	0.55	393	<4
1974	529	1	0.68	49	6	22	17	1.65	15	1.77	21	22	0.40	389	<4
1975	504	1	0.90	45	6	22	15	1.64	<15	1.64	20	19	0.53	354	<4
1976	416	1	0.29	26	4	15	9	1.05	<15	1.37	12	15	0.25	165	<4
1977	533	1	1.57	34	4	19	13	1.38	<15	1.60	15	15	0.42	245	<4
1978	415	1	0.75	26	<4	14	8	1.16	<15	1.26	12	12	0.29	198	<4
1979	505	1	0.99	38	5	19	12	1.39	<15	1.61	17	17	0.42	265	<4
1980	464	1	0.69	35	4	19	12	1.37	<15	1.42	16	17	0.28	214	<4
1981	471	1	1.14	34	4	16	10	1.30	<15	1.54	14	18	0.31	194	<4
1982	341	<1	0.55	23	<4	9	7	0.70	<15	1.11	11	12	0.14	95	<4
1983	535	1	0.87	46	5	24	14	1.78	<15	1.58	22	19	0.43	285	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
1042	0.61	8	16	598	19	4	164	3	2068	49	11	46	57
1043	0.82	5	9	394	18	3	119	2	1871	34	6	33	55
1044	0.74	6	8	264	18	3	106	3	1956	38	7	27	59
1045	0.58	4	7	233	<10	2	88	3	1284	25	6	23	37
1046	0.74	7	16	362	20	4	132	<2	2101	45	9	47	57
1047	0.87	4	16	296	<10	3	162	<2	1925	46	7	24	55
1048	0.80	6	13	347	16	4	119	6	2076	41	9	35	60
1049	0.72	5	11	281	16	3	103	<2	1843	36	7	26	52
1051	0.72	4	9	331	18	3	111	<2	1740	35	7	34	47
1052	0.81	4	7	368	15	3	123	5	1880	36	8	37	54
1053	0.79	6	8	248	17	3	116	4	1754	30	7	29	51
1054	0.73	6	10	255	14	3	111	<2	1767	30	7	28	52
1055	0.76	9	13	426	16	4	144	2	2435	51	10	45	62
1072	1.37	10	16	570	21	4	644	6	1813	52	11	41	50
1368	0.87	7	7	295	13	2	130	3	1830	28	7	23	48
1369	0.80	6	6	224	<10	2	175	<2	1812	28	7	19	47
1370	0.91	4	6	546	<10	2	308	2	1593	25	7	37	45
1371	0.19	9	4	110	<10	1	1521	7	430	9	2	6	20
1372	0.79	6	7	296	10	2	380	4	1753	25	7	22	52
1373	0.86	4	9	353	<10	2	217	4	1880	27	7	25	48
1378	0.86	7	12	455	24	3	136	6	2037	37	9	36	54
1379	0.89	7	14	403	11	4	136	4	2476	44	11	44	69
1380	0.79	6	7	171	13	2	111	2	2037	30	7	20	56
1381	0.89	6	12	288	23	3	129	7	1858	32	7	30	48
1382	0.83	4	9	226	16	3	120	4	2079	32	7	26	52
1383	0.87	6	8	416	<10	3	148	<2	2023	37	9	35	53
1384	0.84	5	8	200	18	2	116	7	1887	30	7	24	56
1387	0.91	7	7	220	14	2	121	4	1931	30	7	24	50
1388	0.86	6	13	258	<10	3	126	6	2297	39	9	33	63
1390	0.95	7	7	263	12	3	132	6	2204	37	8	30	57
1391	0.95	4	<2	260	<10	3	133	6	2182	33	8	24	67
1392	0.96	7	7	330	16	3	134	3	2225	37	9	33	61
1393	0.93	7	10	269	20	3	123	7	2025	34	8	28	57
1506	0.80	7	5	262	10	2	360	6	2017	48	8	16	61
1507	0.69	7	8	247	19	3	97	6	1990	38	7	27	61
1508	0.66	6	10	193	<10	2	114	6	1885	38	7	23	57
1509	0.85	7	12	346	24	4	121	7	2377	45	11	43	76
1510	0.82	5	12	486	26	5	121	2	2385	47	11	59	67
1511	0.66	6	11	450	15	3	153	5	1790	36	9	36	56
1512	0.83	8	12	476	20	4	140	3	2453	52	11	51	72
1513	0.63	8	13	272	17	3	112	<2	2040	42	8	34	58
1969	0.77	9	10	362	17	4	115	3	2529	47	11	44	83
1970	0.46	6	5	103	<10	2	82	<2	1699	31	6	21	53
1971	0.55	7	9	192	<10	3	113	<2	2576	55	10	33	111
1972	0.78	9	11	507	19	4	122	<2	2456	44	11	51	76
1974	0.83	8	12	405	26	4	119	7	2049	45	10	45	59
1975	0.81	8	11	452	25	4	126	5	1968	43	10	48	53
1976	0.60	6	8	187	12	3	91	<2	1271	29	6	28	39
1977	0.86	5	9	265	<10	3	146	4	1957	39	8	37	58
1978	0.61	4	6	194	16	2	100	2	1791	32	7	29	49
1979	0.87	7	11	394	21	3	133	6	2192	38	10	40	79
1980	0.67	7	9	243	19	3	102	6	2115	38	10	35	82
1981	0.73	5	10	250	15	3	107	4	1852	37	8	32	58
1982	0.45	<4	6	78	10	2	66	5	958	19	4	18	28
1983	0.81	8	12	325	22	4	133	10	2484	49	10	43	75

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
1984	M	35	34.982	105.792	2	15	10/15/75	13						
1985	M	35	34.977	105.808	2	15	10/15/75	14						
1987	M	35	34.933	105.808	2	15	10/15/75	14						
1988	M	35	34.928	105.802	2	15	10/15/75	14						
1989	M	35	34.918	105.801	2	15	10/15/75	14						
1990	M	35	34.886	105.801	2	15	10/15/75	14						
1991	M	35	34.859	105.787	2	15	10/15/75	15						
1992	M	35	34.857	105.806	2	15	10/15/75	15						
1994	M	35	34.845	105.831	2	15	10/15/75	15						
2147	M	35	34.772	105.956	2	12	10/14/75	10						
2238	M	35	34.747	105.647	2	12	09/15/75	19	21.0	17.8			9.4	
2298	M	35	34.940	105.881	2	14	09/27/75	10	19.0	14.0	C		7.7	
2300	M	35	34.922	105.909	2	14	09/27/75	13						
2302	M	35	34.884	105.919	2	14	09/27/75	14	26.0	25.5			9.0	
24901	M	35	34.455	104.201	2	12	04/29/77	14	18.0	17.0			7.6	2750
24907	M	35	34.543	104.607	2	97	04/30/77	11	18.0		C			
24911	M	35	34.608	104.572	2	15	04/30/77	13	20.0					
24913	M	35	34.594	104.667	2	15	04/30/77	15	20.0					
24917	M	35	34.595	104.725	2	11	04/30/77	16	20.0	16.0			8.5	7700
24918	M	35	34.596	104.718	2	15	04/30/77	16	20.0					
24936	M	35	34.680	104.595	2	11	04/02/77	14	22.0	22.0			8.1	3500
24938	M	35	34.674	104.562	2	15	04/02/77	14	23.0					
24943	M	35	34.693	104.514	2	15	04/02/77	16	23.0					
24948	M	35	34.662	104.638	2	15	04/02/77	17	18.0		C			
24949	M	35	34.678	104.660	2	11	04/02/77	18	15.0	15.0	C		8.3	7500
24951	M	35	34.925	104.692	2	11	04/04/77	8	19.0	18.0			7.5	2600
24966	M	35	34.906	104.962	2	15	04/05/77	12	25.0					
24967	M	35	34.917	104.923	2	15	04/05/77	12	25.0					
24968	M	35	34.909	104.876	2	15	04/05/77	12	25.0					
24977	M	35	34.016	104.574	2	15	04/06/77	12	26.0					
24980	M	35	34.057	104.602	2	11	04/06/77	13	28.0	28.0			7.3	4300
24981	M	35	34.058	104.591	2	15	04/06/77	13	28.0					
24983	M	35	34.081	104.606	2	15	04/06/77	14	29.0					
24984	M	35	34.056	104.646	2	15	04/06/77	14	30.0					
24985	M	35	34.044	104.665	2	15	04/06/77	14	30.0					
24988	M	35	34.053	104.715	2	15	04/06/77	14	30.0					
24990	M	35	34.089	104.722	2	15	04/06/77	15	30.0					
24992	M	35	34.083	104.679	2	15	04/06/77	15	31.0					
24993	M	35	34.080	104.627	2	15	04/06/77	15	31.0					
24994	M	35	34.108	104.754	2	15	04/06/77	16	29.0					
24998	M	35	34.017	104.660	2	15	04/06/77	16	28.0		C			
25002	M	35	34.066	104.834	2	15	04/07/77	10	31.0		C			
25006	M	35	34.011	104.974	2	15	04/07/77	12	32.0					
25007	M	35	34.025	104.938	2	15	04/07/77	12	32.0					
25009	M	35	34.037	104.892	2	15	04/07/77	13	31.0					
25013	M	35	34.074	104.926	2	15	04/07/77	11	27.0					
25015	M	35	34.088	104.888	2	15	04/07/77	12	28.0					
25017	M	35	34.158	104.936	2	15	04/07/77	15	35.0					
25021	M	35	34.200	104.988	2	15	04/07/77	14	32.0		C			
25023	M	35	34.185	104.933	2	15	04/07/77	13	32.0					
25028	M	35	34.194	104.607	2	15	04/13/77	17	22.0		C			
25029	M	35	34.098	104.960	2	15	04/07/77	14	30.0					
25030	M	35	34.089	104.966	2	15	04/07/77	14						
25035	M	35	34.171	104.819	2	15	04/11/77	6	19.0		C			
25038	M	35	34.210	104.775	2	15	04/11/77	7	21.0		C			

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-AT	AG	AL	B
1984	3		1		5	6			2	1	2.60	<2	4.93	21
1985	3		1		4	1			2	1	2.10	<2	3.01	15
1987	3		1		4	1			1	1	2.60	<2	3.96	10
1988	3		1		5	6			3	1	1.80	<2	2.82	<10
1989	3		1		5	6			3	1	1.90	<2	3.32	34
1990	3		1		5	6			2	1	2.20	<2	5.25	39
1991	3		1		5	6			1	1	1.80	<2	3.21	20
1992	3		1		5	6			1	1	2.00	<2	3.25	22
1994	3		1		5	6			1	1	2.00	<2	3.39	17
2147	3								2	1	3.50	<2	2.91	18
2238	3		4				1	3	3	1	2.70	<2	4.85	21
2298	3		4					3	2	1	2.30	<2	3.11	13
2300	3		4					5	2	1	1.90	<2	3.68	13
2302	3		4					3	2	1	2.70	<2	1.74	11
24901	3	5	1	4	5	6	2	4	2	1	2.50	<2	4.90	18
24907	3	8	1	1	4	6			2	2	2.30	<2	1.19	<10
24911	1	6	1	4	4	4			3	2	2.00	<2	3.46	11
24913	3	5	1	4	4	4			3	1	2.00	<2	3.31	22
24917	1	6	1	4	5	6	3	1	3	1	2.50	<2	3.79	12
24918	1	8	1	4	4	4			3	1	1.90	<2	3.81	28
24936	3	5	1	1	5	6	2	1	3	1	2.60	<2	3.48	22
24938	1	4	1	4	4	4			3	1	2.20	<2	2.86	12
24943	1	5	1	4	4	4			3	1	3.70	<2	3.66	18
24948	1	6	1	1	4	6			3	2	2.80	<2	4.02	16
24949	1	4	1	6	5	6	3	3	3	2	1.50	<2	1.25	<10
24951	1	5	1	4	4	4	4	1	2	1	2.30	<2	3.23	15
24966	1	9	1	4	4	4			3	1	2.00	<2	3.27	15
24967	1	6	1	4	4	4			3	1	2.40	<2	3.64	18
24968	1	6	1	4	4	4			3	1	1.90	<2	3.03	17
24977	1	4	1	4	4	4			2	1	1.20	<2	3.36	18
24980	1	9	1	1	5	6	3	2	2	1	2.00	<2	1.73	12
24981	1	7	1	1	4	6			2	1	1.90	<2	1.68	<10
24983	1	7	1	4	4	4			2	1	2.10	<2	4.79	21
24984	1	6	1	1	4	4			2	1	2.10	<2	3.82	16
24985	1	11	1	4	4	6			2	1	2.20	<2	5.59	38
24988	1	9	1	6	4	6			2	1	2.40	<2	5.91	43
24990	1	5	1	1	4	4			3	1	2.40	<2	3.67	21
24992	1	6	1	4	4	4			3	1	2.00	<2	4.85	28
24993	1	7	1	1	4	6			3	1	2.10	<2	5.79	36
24994	1	8	1	4	4	4			2	1	2.30	<2	5.95	39
24998	1	10	1	4	4	4			3	1	1.30	<2	2.66	19
25002	1	8	1	1	4	6			3	1	2.40	<2	5.15	29
25006	1	6	1	1	4	6			3	1	2.40	<2	5.02	25
25007	1	8	1	1	4	6			3	1	2.40	<2	5.12	28
25009	1	7	1	1	4	6			3	1	2.60	<2	6.57	32
25013	1	10	1	1	4	6			3	1	2.30	<2	5.94	30
25015	1	6	1	1	4	6			3	1	2.20	<2	6.22	33
25017	1	8	1	1	4	6			3	1	2.30	<2	4.46	26
25021	1	7	1	1	4	6			3	1	2.30	<2	4.77	44
25023	1	6	1	1	4	4			3	1	2.30	<2	4.07	27
25028	1	9	1	4	4	4			3	4	1.70	<2	5.26	35
25029	1	7	1	1	4	6			3	1	2.40	<2	5.29	29
25030	1	7	1	1	4	6			3	1	2.40	<2	5.50	27
25035	1	8	1	1	4	6			3	1	2.10	<2	4.79	27
25038	1	5	1	1	4	4			3	1	2.00	<2	4.48	23

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
1984	522	1	0.47	43	7	22	16	1.74	<15	1.73	21	20	0.37	374	<4
1985	425	1	1.77	22	<4	14	8	1.15	<15	1.29	9	13	0.31	157	<4
1987	427	1	0.51	43	5	20	13	1.54	<15	1.29	18	16	0.35	293	<4
1988	369	1	1.09	17	<4	10	10	0.80	<15	1.18	9	13	0.26	139	<4
1989	375	1	7.29	23	<4	16	11	1.06	<15	1.14	11	22	1.55	230	<4
1990	457	1	0.97	44	6	28	18	1.91	<15	1.73	20	26	0.76	419	<4
1991	427	1	1.35	33	<4	17	9	0.99	<15	1.30	14	14	0.31	189	<4
1992	397	1	0.39	31	4	16	10	1.02	<15	1.43	13	14	0.26	175	<4
1994	402	1	0.56	34	4	17	10	1.16	16	1.47	15	14	0.31	191	<4
2147	564	1	8.50	29	4	13	11	0.95	<15	0.97	13	45	3.78	209	<4
2238	501	1	0.65	44	5	21	15	1.53	17	1.79	20	22	0.38	237	<4
2298	516	1	3.28	25	<4	12	8	0.83	<15	1.42	11	14	0.31	116	<4
2300	493	1	0.51	33	<4	11	9	0.83	<15	1.63	16	13	0.23	135	<4
2302	119	1	1.33	38	4	12	11	1.01	<15	0.44	15	10	0.32	169	<4
24901	518	1	3.21	44	6	29	16	1.93	<15	1.24	19	28	0.82	441	<4
24907	149	<1	9.44	<10	<4	8	13	0.75	<15	0.91	3	8	0.65	116	<4
24911	389	1	2.28	25	4	18	8	1.13	<15	1.14	11	20	0.90	312	<4
24913	355	1	3.32	23	<4	20	8	1.17	<15	1.04	10	23	1.30	296	<4
24917	369	1	4.73	27	4	22	17	1.34	<15	1.09	12	30	2.07	234	<4
24918	416	1	3.85	29	5	22	17	1.40	33	1.13	13	26	1.38	295	<4
24936	475	1	2.63	47	5	23	13	1.44	<15	0.87	19	17	0.49	201	<4
24938	351	1	2.39	39	4	16	9	1.25	<15	0.82	17	14	0.28	179	<4
24943	492	1	1.92	55	5	28	17	2.50	<15	1.11	22	18	0.38	307	<4
24946	306	1	2.23	44	6	24	30	1.69	<15	1.06	20	22	0.42	283	<4
24949	183	<1	10.47	10	<4	7	3	0.41	<15	0.48	3	15	1.51	114	<4
24951	396	1	1.97	36	4	18	10	1.17	<15	1.09	15	21	0.97	253	<4
24966	415	1	1.70	36	5	21	9	1.51	<15	1.07	14	22	1.01	287	<4
24967	428	1	1.62	48	4	24	10	1.53	<15	1.14	20	24	0.97	283	<4
24968	391	1	1.54	37	4	20	9	1.54	<15	1.06	16	20	0.84	277	<4
24977	402	1	2.89	26	<4	15	6	0.96	<15	1.31	11	19	0.71	141	<4
24980	151	<1	13.48	11	<4	10	6	0.70	<15	0.50	4	19	1.02	176	<4
24981	149	<1	14.03	17	<4	11	7	0.67	<15	0.50	7	23	1.53	260	<4
24983	435	1	2.47	46	6	27	15	1.77	<15	1.47	21	25	0.99	341	<4
24984	407	1	3.53	38	4	20	10	1.45	<15	1.35	16	22	0.66	270	<4
24985	512	1	2.85	49	4	36	19	2.57	<15	1.05	24	35	1.24	497	<4
24988	549	2	3.25	60	7	41	21	2.82	<15	1.01	27	36	1.37	540	<4
24990	430	1	1.89	41	4	23	9	1.61	<15	0.77	18	14	0.54	279	<4
24992	476	1	1.62	44	<4	27	14	1.78	<15	1.41	19	25	0.80	319	<4
24993	501	1	1.74	61	7	34	18	2.36	<15	1.51	26	34	1.12	433	<4
24994	688	2	4.12	66	8	37	20	2.53	<15	1.38	28	35	1.22	528	<4
24998	300	1	13.77	23	<4	16	8	1.05	<15	0.66	9	21	0.63	180	<4
25002	531	1	5.15	54	6	32	17	2.19	<15	1.23	24	28	0.80	411	<4
25006	550	1	5.59	53	7	31	17	2.25	<15	1.31	24	27	0.77	411	<4
25007	497	1	6.69	45	4	26	18	1.88	<15	1.31	19	29	0.71	353	<4
25009	539	2	3.39	64	8	39	23	2.76	<15	1.58	28	34	0.97	465	<4
25013	542	1	5.08	59	8	33	22	2.37	<15	1.47	25	30	0.84	416	<4
25015	511	1	5.45	65	9	36	22	2.65	<15	1.34	26	30	0.88	515	<4
25017	503	1	4.00	52	5	28	16	1.99	<15	1.25	22	20	0.51	297	<4
25021	515	1	2.18	61	8	38	16	2.37	<15	0.90	26	25	0.84	462	4
25023	420	1	4.71	45	5	27	15	2.00	<15	1.15	19	22	0.45	251	<4
25028	479	1	1.72	43	6	30	14	1.90	16	1.56	17	33	1.34	369	<4
25029	538	1	5.24	54	5	31	18	2.13	<15	1.31	24	28	0.67	375	<4
25030	520	1	5.77	58	6	32	19	2.24	<15	1.40	25	31	0.78	396	<4
25035	528	1	4.63	53	<4	30	17	2.13	<15	1.07	24	21	0.69	370	<4
25038	627	1	5.41	36	4	24	15	1.63	<15	1.21	16	24	0.69	297	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
1984	0.90	9	10	393	14	4	124	4	2564	46	12	46	75
1985	0.59	5	4	150	<10	2	99	<2	1728	34	6	25	51
1987	0.55	6	12	246	<10	4	97	4	1958	41	9	39	57
1988	0.48	<4	9	141	13	2	85	4	1134	21	5	20	38
1989	0.48	6	10	342	10	3	371	<2	1478	30	8	33	49
1990	0.69	6	16	557	26	5	116	6	2102	47	10	56	58
1991	0.53	6	11	178	13	3	101	5	1484	29	7	24	70
1992	0.54	7	7	201	16	3	82	<2	1507	27	6	26	59
1994	0.65	5	3	279	19	3	92	5	1791	31	7	29	63
2147	0.54	7	6	390	<10	3	871	7	1311	37	7	28	42
2238	0.87	7	10	520	25	4	125	10	2063	42	10	48	63
2298	0.70	5	7	299	20	2	156	7	1311	23	6	33	41
2300	0.81	6	7	307	19	2	114	4	1311	23	6	28	37
2302	<0.05	<4	10	493	14	2	32	8	264	21	6	34	10
24901	0.70	6	13	340	19	5	181	4	1952	54	9	43	55
24907	0.32	<4	5	849	11	1	1037	6	658	27	3	1637	22
24911	0.86	4	4	312	<10	3	105	<2	1369	34	7	18	46
24913	0.76	<4	11	303	<10	3	245	<2	1373	34	7	23	47
24917	1.25	<4	10	448	13	4	554	5	1326	38	8	35	42
24918	0.87	5	12	379	<10	4	263	2	1404	39	8	35	49
24936	0.50	7	8	414	20	4	162	10	1605	45	8	37	47
24938	0.46	6	7	230	16	3	81	2	1601	40	7	25	50
24943	0.41	8	14	164	12	4	93	4	2714	72	9	34	68
24948	0.73	6	13	891	15	4	137	8	1723	46	9	147	51
24949	0.52	5	2	137	<10	1	1698	2	569	18	3	12	21
24951	0.83	4	8	314	10	3	190	7	1443	32	7	26	58
24966	0.60	5	8	269	13	3	86	<2	1763	45	8	31	68
24967	0.73	7	10	327	13	4	90	2	1940	44	9	32	79
24968	0.59	5	9	250	<10	3	75	4	1843	45	7	29	61
24977	0.64	4	9	216	10	2	113	7	1211	29	6	20	47
24980	0.37	5	4	499	<10	2	1538	<2	673	18	4	26	22
24981	0.40	8	4	578	<10	2	2138	6	656	19	4	27	22
24983	0.69	7	12	526	<10	5	112	3	1886	48	10	47	59
24984	0.64	5	10	417	14	3	124	3	1757	39	8	36	56
24985	0.41	9	19	664	<10	7	142	7	2558	62	14	70	76
24988	0.38	13	18	746	12	8	147	6	2835	68	16	75	85
24990	0.49	8	11	269	15	4	100	2	2256	43	10	36	90
24992	0.74	9	11	466	<10	5	117	2	2294	46	12	47	88
24993	0.66	11	15	571	14	6	118	6	2485	57	14	61	83
24994	0.63	12	21	656	21	6	148	7	2837	65	15	65	84
24998	0.34	8	8	222	<10	3	307	8	1293	34	7	24	50
25002	0.65	11	15	553	17	5	150	4	2663	57	13	58	79
25006	0.69	12	15	490	10	5	168	2	2734	61	13	56	75
25007	0.76	10	13	511	11	5	170	<2	2361	49	13	52	66
25009	0.64	12	18	695	20	6	138	6	2950	68	15	78	82
25013	0.67	11	17	689	23	6	154	11	2666	60	14	68	77
25015	0.51	13	20	667	23	7	130	6	2751	64	16	70	80
25017	0.61	11	16	418	16	4	132	4	2657	54	12	46	82
25021	0.64	9	17	377	25	6	149	5	2623	64	11	39	78
25023	0.46	8	12	421	14	4	118	6	2591	55	11	48	82
25028	0.77	8	13	408	13	5	104	5	2038	47	9	44	65
25029	0.73	10	13	493	21	5	159	14	2696	55	14	55	81
25030	0.70	11	15	560	13	5	160	6	2681	58	14	61	82
25036	0.46	13	13	637	10	6	138	11	2545	55	15	55	89
25038	0.64	7	9	373	<10	4	141	5	2098	48	11	35	69

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONM	MEAS	PH	CT-F
25040	M	35	34.233	104.772	2	15	04/11/77	7	22.0		C			
25044	M	35	34.201	104.783	2	15	04/11/77	9	26.0		C			
25046	M	35	34.187	104.721	2	15	04/11/77	10	27.0		C			
25048	M	35	34.194	104.680	2	15	04/11/77	12	30.0					
25052	M	35	34.223	104.636	2	15	04/13/77	9	26.0		C			
25053	M	35	34.185	104.627	2	15	04/13/77	10	27.0					
25062	M	35	34.150	104.531	2	15	04/13/77	14	28.0					
25063	M	35	34.130	104.503	2	15	04/13/77	14	28.0		C			
25065	M	35	34.183	104.591	2	15	04/13/77	15	27.0					
25075	M	35	34.467	104.508	2	15	04/12/77	9	23.0					
25085	M	35	34.305	104.544	2	15	04/16/77	12	26.0					
25087	M	35	34.302	104.505	2	15	04/16/77	13	28.0					
25088	M	35	34.309	104.511	2	15	04/16/77	13	28.0		C			
25091	M	35	34.315	104.623	2	15	04/16/77	14	28.0					
25107	M	35	34.323	104.683	2	15	04/17/77	10	25.0					
25110	M	35	34.256	104.684	2	15	04/17/77	12	28.0		C			
25112	M	35	34.269	104.640	2	15	04/17/77	13	29.0					
25114	M	35	34.299	104.666	2	15	04/17/77	13	28.0		C			
25117	M	35	34.544	104.808	2	15	04/17/77	15	25.0		C			
25122	M	35	34.591	104.753	2	15	04/17/77	16	23.0					
25129	M	35	34.757	104.503	2	15	04/19/77	14	23.0					
25130	M	35	34.782	104.547	2	15	04/19/77	14	25.0					
25131	M	35	34.767	104.535	2	15	04/19/77	15	24.0					
25142	M	35	34.852	104.503	2	11	04/20/77	12	23.0	20.0			7.5	2700
25143	M	35	34.841	104.501	2	15	04/20/77	12	23.0					
25145	M	35	34.883	104.567	2	15	04/20/77	13	24.0					
25146	M	35	34.877	104.526	2	15	04/20/77	13	24.0					
25147	M	35	34.878	104.506	2	15	04/20/77	13	24.0					
25150	M	35	34.949	104.533	2	15	04/20/77	14	27.0					
25156	M	35	34.972	104.537	2	15	04/20/77	15	27.0					
25160	M	35	34.999	104.424	2	15	04/20/77	16	28.0					
25161	M	35	34.982	104.491	2	15	04/20/77	16	28.0		C			
25162	M	35	34.926	104.494	2	15	04/20/77	16	28.0					
25164	M	35	34.940	104.484	2	15	04/20/77	17	24.0		C			
25167	M	35	34.956	104.416	2	15	04/20/77	17	26.0		C			
25169	M	35	34.897	104.411	2	15	04/20/77	18	19.0		C			
25170	M	35	34.876	104.382	2	15	04/20/77	18	19.0					
25179	M	35	34.981	104.801	2	15	04/22/77	15	28.0					
25180	M	35	34.968	104.763	2	15	04/22/77	15	28.0					
25185	M	35	34.935	104.794	2	15	04/20/77	17	25.0					
25187	M	35	34.909	104.835	2	15	04/20/77	17	25.0					
25188	M	35	34.905	104.805	2	15	04/20/77	17	25.0					
25195	M	35	34.883	104.711	2	11	04/23/77	11	26.0	25.0			7.8	2200
25196	M	35	34.888	104.725	2	15	04/23/77	11	26.0					
25197	M	35	34.881	104.654	2	15	04/23/77	11	26.0					
25203	M	35	34.954	104.704	2	15	04/22/77	12	27.0					
25205	M	35	34.973	104.682	2	15	04/22/77	12	27.0					
25211	M	35	34.967	104.987	2	15	04/23/77	15	29.0		C			
25213	M	35	34.822	104.584	2	15	04/24/77	9	23.0					
25214	M	35	34.804	104.594	2	15	04/24/77	9	25.0					
25215	M	35	34.747	104.647	2	15	04/24/77	10	26.0					
25226	M	35	34.700	104.908	2	15	04/24/77	13	28.0		C			
25230	M	35	34.667	104.911	2	15	04/24/77	14	29.0		C			
25234	M	35	34.611	104.894	2	15	04/24/77	15	29.0		C			
25236	M	35	34.923	104.661	2	12	04/25/77	10	24.0	21.0	C		6.8	2300

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-AT	AG	AL	B
25040	1	7	1	1	4	4			3	1	1.80	<2	3.22	28
25044	1	8	1	1	4	4			3	1	1.80	<2	3.14	28
25046	1	5	1	1	4	4			2	1	1.90	<2	5.20	45
25048	1	11	1	4	4	4			2	1	1.80	<2	5.43	40
25052	1	10	1	1	4	4			2	1		<2	4.43	35
25053	1	13	1	4	4	4			2	1	2.00	<2	4.83	41
25062	1	7	1	4	4	4			2	2	1.80	<2	3.52	24
25063	1	10	1	4	4	3			2	2	1.80	<2	3.75	31
25065	1	8	1	4	4	4			2	2	1.90	<2	5.64	46
25075	1	7	1	1	4	4			2	2	2.20	<2	5.82	26
25085	1	7	1	1	4	6			3	2	2.10	<2	4.65	41
25087	1	8	1	1	4				3	2	2.10	<2	3.86	31
25088	1	8	1	1	4	4			3	2	2.10	<2	2.83	23
25091	1	9	1	4	4	4			3	2	2.10	<2	5.53	45
25107	1	7	1	4	4	4			3	1	1.70	<2	4.15	25
25110	1	10	1	1	4	6			2	1	2.00	<2	5.25	50
25112	1	7	1	1	4	6			3	1	1.80	<2	3.59	27
25114	1	7	1	1	4	6			3	1	2.20	<2	5.10	37
25117	1	7	1	4	4	4			3	3	1.80	<2	4.45	18
25122	1	11	1	4	4	4			3	3	1.80	<2	3.68	21
25129	3	12	1	4	4	4			2	2	2.50	<2	6.00	53
25130	3	7	1	4	4	4			2	2	2.40	<2	3.84	31
25131	3	6	1	4	4	4			2	2	3.30	<2	4.48	29
25142	1	8	1	4	5	4	3	2	2	2	2.20	<2	4.95	39
25143	1	7	1	4	4	4			2	2	2.10	<2	4.45	30
25145	1	11	1	4	4	4			2	2	2.50	<2	4.97	42
25146	1	8	1	4	4	4			2	2	2.70	<2	6.14	49
25147	1	8	1	4	4	4			3	2	2.40	<2	5.32	44
25150	1	7	1	4	4	4			3	2	2.30	<2	5.33	31
25156	1	7	1	1					3	2	2.10	<2	5.20	37
25160	1	7	1	1	4	6			3	1	2.90	2	4.16	56
25161	1	10	1	4	4	4			3	1	2.10	<2	5.09	30
25162	1	8	1	7	4	6			3	1	2.40	<2	6.78	44
25164	1	6	1	1	4	6			3	1	3.20	<2	4.83	25
25167	1	8	1	1	4	6			3	2	2.30	<2	5.74	25
25169	1	8	1	1	4	4			3	2	2.40	<2	4.31	27
25170	1	8	1	1	4	4			3	1	2.10	<2	4.51	25
25179	1	7	1	1	4	6			3	1	2.20	<2	4.99	22
25180	1	5	1	1	4	6			3	1	2.40	<2	5.25	23
25185	1	6	1	1	4	6			3	1	2.00	<2	3.74	25
25187	1	9	1	1	4	6			3	1	2.40	<2	6.36	38
25188	1	11	1	1	4	6			3	1	2.20	<2	5.60	32
25195	1	7	1	1	4	6	3	1	3	1	2.50	<2	3.33	21
25196	1	11	1	1	4	1			3	1	3.20	<2	2.93	23
25197	1	7	1	1	4	6			3	1	2.50	<2	3.19	18
25203	3		1	4	4	4			2	1	2.50	<2	3.61	27
25205	3		1	4	4	4			2	1	4.30	<2	3.92	16
25211	1	11	1	1	4	1			2	1	1.70	<2	3.33	13
25213	1	8	1	7	4	6			3	1	2.30	<2	2.81	17
25214	1	7	1	3	4	6			3	1	2.50	<2	4.36	20
25215	1	7	1	1	4	4			3	1	2.60	<2	4.24	19
25226	1	6	1	1	4	6			3	1	2.50	<2	5.22	25
25230	1	6	1	1	4	6			3	1	2.00	<2	4.05	18
25234	1	11	1	1	4	3			3	1	1.50	<2	4.70	22
25236	1	6	1	4	5	6	3	1	2	1	1.90	<2	3.71	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
25040	468	1	4.58	30	<4	21	9	1.17	<15	0.91	14	22	1.12	327	<4
25044	468	1	3.93	33	4	21	8	1.22	<15	1.00	15	20	1.03	281	<4
25046	435	1	1.39	49	6	35	14	2.05	<15	1.48	21	35	1.85	391	<4
25048	483	1	2.80	56	8	37	16	2.17	<15	1.42	24	38	2.02	450	<4
25052	519	1	5.31	37	5	28	14	1.69	<15	1.16	14	31	1.64	332	<4
25053	499	1	2.90	54	6	31	13	1.86	<15	1.42	23	35	1.52	361	<4
25062	505	1	7.08	31	4	21	7	1.14	<15	1.06	12	21	1.06	211	<4
25063	504	1	5.49	34	<4	22	9	1.15	<15	1.15	13	23	1.12	203	<4
25065	526	1	4.35	50	6	37	18	2.27	<15	1.42	22	41	1.97	431	<4
25075	476	1	0.42	47	5	33	11	2.41	<15	1.30	22	31	0.48	239	<4
25085	527	1	3.81	50	6	34	15	1.98	<15	1.17	20	34	2.29	475	<4
25087	601	1	3.24	38	5	24	11	1.71	<15	1.20	16	23	1.24	414	<4
25088	533	1	1.99	24	<4	18	10	1.31	<15	0.96	11	18	0.86	311	<4
25091	561	1	5.58	37	7	36	19	2.39	<15	1.29	18	37	1.47	398	<4
25107	423	1	3.05	35	6	26	10	1.44	<15	1.27	15	26	1.20	287	<4
25110	426	1	2.36	42	6	36	17	2.15	<15	1.52	18	47	2.61	485	<4
25112	383	1	5.82	21	<4	23	11	1.28	<15	1.00	10	21	1.73	320	<4
25114	458	1	2.71	46	4	35	17	2.14	<15	1.20	21	27	1.46	515	<4
25117	419	1	1.23	43	4	22	7	1.30	<15	1.31	17	19	0.79	209	<4
25122	535	1	3.75	31	4	22	13	1.29	<15	1.07	15	21	0.91	234	<4
25129	461	2	2.41	59	8	41	19	2.69	<15	1.24	26	27	0.75	347	<4
25130	547	1	1.26	42	5	26	12	1.96	<15	0.91	19	17	0.46	270	<4
25131	508	1	2.23	58	5	28	12	1.98	15	1.13	26	24	0.92	378	<4
25142	542	1	2.43	47	6	33	17	2.06	<15	0.82	19	25	0.80	495	<4
25143	524	1	2.32	47	6	29	15	1.79	<15	0.88	20	23	0.68	439	<4
25145	533	1	2.13	58	7	35	20	2.17	<15	1.14	26	24	0.69	397	<4
25146	659	2	2.62	64	9	42	23	2.67	<15	1.32	26	32	0.85	457	<4
25147	459	1	2.16	50	8	37	18	2.27	<15	1.07	22	29	0.84	485	<4
25150	415	1	2.14	49	6	31	17	2.11	<15	1.01	20	29	0.72	359	<4
25156	466	1	2.17	54	7	34	19	2.19	<15	1.18	22	31	0.81	424	<4
25160	517	1	2.69	50	5	26	21	1.70	<15	1.03	21	27	0.57	337	<4
25161	666	1	1.91	58	7	34	17	2.32	<15	0.70	23	26	0.69	378	<4
25162	786	2	3.03	56	9	41	23	2.92	<15	1.11	24	34	1.13	645	<4
25164	575	1	1.14	40	6	28	15	2.06	<15	0.67	16	31	0.67	397	<4
25167	628	1	1.18	60	7	33	19	2.32	<15	1.30	27	29	0.59	414	<4
25169	501	1	1.96	36	<4	26	15	1.74	<15	0.88	14	21	0.53	374	<4
25170	544	1	2.07	36	<4	25	16	1.79	15	0.95	16	22	0.59	402	<4
25179	756	1	5.30	56	5	28	18	1.88	<15	1.10	25	26	0.47	363	<4
25180	813	1	5.50	47	5	28	17	1.97	<15	1.19	22	27	0.48	385	<4
25185	612	1	4.27	38	<4	21	12	1.37	<15	1.00	15	20	0.40	269	<4
25187	803	2	2.13	63	8	39	21	2.49	<15	1.47	27	43	1.39	581	<4
25188	465	1	2.10	54	6	32	18	2.07	<15	1.42	21	37	1.03	413	<4
25195	376	1	1.99	20	<4	19	11	1.21	<15	0.99	9	21	1.06	271	<4
25196	394	1	1.88	45	4	21	10	1.24	16	0.91	20	18	0.97	260	<4
25197	402	1	2.12	33	<4	19	13	1.20	<15	1.02	13	21	1.07	273	<4
25203	381	1	1.55	27	<4	27	14	1.57	15	1.09	9	19	0.37	313	<4
25205	602	1	2.24	53	5	31	12	3.21	<15	1.25	20	22	0.60	446	<4
25211	422	1	1.38	31	4	15	9	1.15	<15	1.31	10	18	0.46	214	<4
25213	304	1	1.18	38	4	18	9	1.16	<15	0.81	15	17	0.26	259	<4
25214	612	1	2.27	37	6	26	10	1.83	<15	1.44	16	26	0.80	430	<4
25215	660	1	1.53	46	6	26	11	1.94	19	1.22	18	23	0.40	277	<4
25226	496	1	2.66	57	7	29	18	2.04	21	1.67	22	29	0.60	345	<4
25230	459	1	2.49	38	5	20	11	1.40	26	1.53	16	19	0.42	229	<4
25234	427	1	0.51	38	5	23	14	1.42	25	1.71	16	26	0.61	259	<4
25236	344	1	7.77	32	4	22	14	1.49	<15	1.03	13	25	0.80	232	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
25040	0.55	6	8	281	11	3	136	4	1592	36	9	25	64
25044	0.48	6	8	280	<10	3	129	4	1684	38	8	26	66
25046	0.63	7	15	464	22	5	104	8	2307	50	11	44	82
25048	0.61	10	17	523	14	6	127	4	2326	55	11	50	67
25052	0.56	6	12	514	18	5	137	5	1891	47	10	45	62
25053	0.67	9	13	469	12	5	129	3	2172	50	11	41	79
25062	0.61	6	10	296	14	3	163	5	1727	43	8	27	83
25063	0.68	6	14	329	12	4	149	5	1787	40	8	29	75
25065	0.58	9	20	576	19	6	134	5	2421	62	12	54	71
25075	0.52	9	15	189	18	6	97	7	2488	64	12	54	86
25085	0.57	9	17	407	18	5	193	8	2391	59	11	42	69
25087	0.41	7	12	329	17	4	104	4	2301	54	10	37	78
25088	0.24	5	4	238	<10	3	74	2	1658	44	7	27	52
25091	0.50	8	17	568	<10	6	196	<2	2468	70	13	55	78
25107	0.77	7	10	403	16	4	282	5	1639	40	8	32	57
25110	0.59	6	17	859	<10	6	144	3	2248	53	10	61	63
25112	0.65	6	11	303	10	3	140	4	1747	33	9	29	71
25114	0.59	9	16	561	18	6	119	6	2415	52	14	55	88
25117	1.22	6	10	394	21	4	97	7	1631	36	7	26	77
25122	0.71	7	9	294	10	3	131	<2	1691	39	8	30	66
25129	0.48	10	20	435	18	7	144	3	2806	62	14	48	83
25130	0.47	6	11	245	11	5	106	4	2364	51	12	29	82
25131	0.90	7	12	403	21	5	128	9	2724	53	12	39	95
25142	0.93	9	15	390	18	5	175	4	2432	59	11	38	74
25143	0.88	8	13	372	<10	5	162	7	2310	51	10	34	69
25145	0.62	11	21	363	16	6	166	4	2692	56	13	50	88
25146	0.56	9	18	412	<10	7	200	7	2824	65	13	48	76
25147	0.80	8	14	397	19	6	150	5	2623	65	11	46	70
25150	1.03	7	14	383	<10	5	129	<2	2494	64	10	44	70
25156	0.69	7	17	406	19	6	147	5	2311	63	10	44	58
25160	1.02	10	12	870	19	5	168	3	2008	52	10	98	65
25161	1.30	8	16	427	22	5	188	11	2778	78	10	46	73
25162	0.92	8	21	564	25	8	206	8	3009	79	14	62	83
25164	1.42	6	11	452	14	5	109	<2	2535	77	9	43	61
25167	0.67	10	15	420	32	6	181	9	2538	61	14	71	76
25169	0.91	8	13	428	<10	4	142	8	2307	54	10	39	81
25170	0.86	8	12	513	<10	5	143	9	2081	55	10	43	67
25179	0.52	8	15	409	43	5	129	15	2182	53	13	56	70
25180	0.58	10	15	400	24	5	135	7	2299	54	13	57	77
25185	0.63	6	11	271	17	4	132	5	1911	40	10	31	64
25187	0.50	9	20	583	13	7	108	6	2715	67	14	67	70
25188	0.50	8	18	440	21	6	103	7	2161	56	11	51	57
25195	0.67	4	7	278	13	3	109	<2	1858	34	9	27	87
25196	0.67	6	7	316	16	3	117	6	2101	36	10	25	116
25197	0.64	4	5	316	13	3	114	2	1702	34	8	27	61
25203	0.77	10	10	360	<10	3	100	<2	2644	46	6	35	95
25205	0.97	7	10	388	19	4	127	4	3019	78	11	44	81
25211	0.73	5	6	214	15	3	86	<2	1580	35	6	36	39
25213	0.36	5	10	213	14	3	65	2	1570	32	8	22	60
25214	0.89	5	14	455	11	4	85	2	1981	51	9	37	60
25215	0.52	8	13	263	23	5	88	4	2182	55	9	34	59
25226	0.72	11	17	485	24	5	107	7	2357	56	11	56	70
25230	0.76	7	9	483	19	3	103	2	1716	37	8	44	54
25234	1.03	6	8	397	18	4	86	2	1573	37	8	42	63
25236	0.81	6	9	387	<10	4	828	<2	1564	35	9	35	46

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
25237	N	35	34.917	104.643	2	15	04/25/77	11	26.0		C			
25239	N	35	34.894	104.634	2	15	04/25/77	11	27.0					
25240	N	35	34.856	104.617	2	15	04/25/77	11	27.0					
25242	N	35	34.864	104.644	2	15	04/25/77	12	27.0					
25243	N	35	34.830	104.637	2	15	04/25/77	12	28.0		C			
25244	N	35	34.804	104.636	2	15	04/25/77	12	28.0		C			
25245	N	35	34.796	104.633	2	15	04/25/77	12	28.0					
25246	N	35	34.761	104.727	2	11	04/25/77	12	28.0	26.0			6.9	2200
25247	N	35	34.760	104.692	2	11	04/25/77	12	28.0	26.0			6.8	2300
25249	N	35	34.762	104.681	2	11	04/25/77	13	28.0	24.0			6.9	3600
25250	N	35	34.762	104.674	2	15	04/25/77	13	28.0					
25251	N	35	34.754	104.650	2	11	04/25/77	13	28.0	25.0			6.8	3100
25257	N	35	34.585	104.537	2	15	04/26/77	15	28.0		C			
25259	N	35	34.598	104.532	2	11	04/26/77	16	27.0	25.0			7.9	3500
25260	N	35	34.607	104.559	2	11	04/26/77	16	27.0	24.0			7.6	3200
25261	N	35	34.599	104.522	2	15	04/26/77	16	26.0					
25263	N	35	34.595	104.491	2	15	04/26/77	17	26.0					
25264	N	35	34.592	104.447	2	11	04/26/77	17	27.0	25.0			7.9	5300
25267	N	35	34.582	104.422	2	15	04/26/77	17	27.0					
25268	N	35	34.559	104.418	2	15	04/26/77	17	25.0					
25270	N	35	34.544	104.411	2	15	04/26/77	17	25.0					
25279	N	35	34.643	104.451	2	15	04/27/77	12	27.0		C			
25280	N	35	34.601	104.373	2	15	04/27/77	12	27.0		C			
25288	N	35	34.687	104.402	2	15	04/27/77	14	28.0					
25291	N	35	34.661	104.399	2	15	04/27/77	14	25.0		C			
25297	N	35	34.696	104.482	2	15	04/27/77	15	26.0					
25300	N	35	34.722	104.413	2	15	04/27/77	15	27.0		C			
25313	N	35	34.796	104.038	2	15	04/18/77	13	29.0					
25316	N	35	34.757	104.043	2	15	04/18/77	13	28.0					
25325	N	35	34.771	104.337	2	15	04/19/77	9	23.0					
25326	N	35	34.757	104.361	2	15	04/20/77	9	20.0					
25327	N	35	34.791	104.296	2	15	04/20/77	9	23.0					
25333	N	35	34.784	104.487	2	15	04/21/77	12	24.0		C			
25334	N	35	34.820	104.490	2	15	04/21/77	12	24.0		C			
25338	N	35	34.786	104.410	2	15	04/21/77	13	25.0					
25339	N	35	34.756	104.422	2	15	04/21/77	13	26.0					
25343	N	35	34.826	104.410	2	15	04/21/77	14	26.0					
25350	N	35	34.801	104.344	2	15	04/21/77	15	27.0					
25356	N	35	34.842	104.252	2	15	04/21/77	16	25.0					
25357	N	35	34.836	104.253	2	15	04/21/77	16	25.0					
25362	N	35	34.884	104.301	2	15	04/23/77	10	28.0					
25367	N	35	34.936	104.297	2	15	04/23/77	10	29.0					
25377	N	35	34.887	104.194	2	15	04/23/77	14	30.0					
25379	N	35	34.979	104.189	2	15	04/23/77	15	29.0					
25380	N	35	34.990	104.190	2	15	04/23/77	15	29.0					
25383	N	35	34.896	104.154	2	15	04/23/77	16	28.0					
25392	N	35	34.285	104.305	2	15	04/25/77	11	28.0					
25393	N	35	34.287	104.350	2	15	04/25/77	11	28.0					
25397	N	35	34.343	104.167	2	15	04/25/77	15	30.0					
25399	N	35	34.374	104.156	2	15	04/25/77	15	30.0					
25401	N	35	34.340	104.150	2	15	04/25/77	15	31.0					
25404	N	35	34.278	104.120	2	15	04/25/77	16	32.0					
25405	N	35	34.280	104.104	2	15	04/25/77	16	32.0					
25413	N	35	34.609	104.084	2	15	04/26/77	11	27.0					
25417	N	35	34.615	104.124	2	15	04/26/77	12	29.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
25237	1	7	1	4	4	4			3	1	2.50	<2	4.81	38
25239	1	7	1	6	4	4			3	1	2.90	<2	3.20	16
25240	1	9	1	6	4	4			3	1	2.50	<2	3.73	24
25242	1	7	1	6	4	6			3	1	2.60	<2	3.36	15
25243	1	7	1	1	4	6			3	1	3.40	<2	3.78	20
25244	1	8	1	1	4	6			3	1	2.70	<2	3.30	14
25245	1	12	1	4	4	6			3	1	2.30	<2	3.59	20
25246	1	7	1	4	5	6	2	1	3	1	2.20	<2	3.13	13
25247	1	8	1	4	5	6	3	1	3	1	2.30	<2	2.99	19
25249	1	8	1	1	5	6	2	1	3	1	2.40	<2	4.67	19
25250	1	11	1	1	4	6			3	1	2.50	<2	2.91	17
25251	1	7	1	1	5	6	3	1	3	1	2.60	<2	3.82	23
25257	1	10	1	1	4	6			3	1	2.70	<2	3.86	16
25259	1	10	1	1	5	6	3	2	3	1	2.40	<2	4.34	25
25260	1	10	1	1	5	6	2	2	3	1	2.20	<2	2.92	15
25261	1	8	1	1	4	6			3	1	2.60	<2	3.32	17
25263	1	13	1	4	4	6			3	1	2.40	<2	3.41	24
25264	1	8	1	4	5	4	3	1	3	1	2.60	<2	3.01	22
25267	1	8	1	1	4	4			3	1	2.20	<2	4.23	21
25268	1	7	1	6	4	3			3	1	2.00	<2	2.17	<10
25270	1	11	1	1	4	6			3	1	2.20	<2	3.21	14
25279	1	7	1	1	4	3			3	1	2.30	<2	3.06	13
25280	1	5	1	1	4	6			3	1	3.50	<2	3.40	15
25288	1	8	1	1	4	6			3	1	2.50	<2	3.51	15
25291	1	10	1	1	4	6			3	1	3.00	<2	4.16	14
25297	1	7	1	1	4	6			3	4	2.40	<2	3.89	18
25300	1	9	1	1	4	6			3	4	2.50	<2	5.21	25
25313	3	6	1	4	4	4			1	1	1.90	<2	3.23	<10
25316	3	11	1	4	4	4			1	1	2.20	<2	3.16	11
25325	3	9	1	4	4	4			1	2	2.10	<2	3.92	15
25326	3	5	1	4	4	4			1	2	2.10	<2	3.60	14
25327	3	8	1	4	4	4			1	2	2.10	<2	3.54	19
25333	3	6	1	4	4	4			2	2	2.10	<2	3.50	22
25334	3	5	1	4	4	4			2	2	2.70	<2	2.66	13
25338	3		1	4	4	4			2	2		<2	3.70	18
25339	3		1	4	4	4			2	2	3.20	<2	3.15	14
25343	3		1	4	4	4			2	2	2.40	<2	3.67	16
25350	3		1	4	4	4			2	2	1.90	<2	3.72	16
25356	3		1	4	4	4			2	2	2.00	<2	3.95	15
25357	3		1	4	4	4			2	2	2.40	<2	4.92	28
25362	3	5	1	6	4	6			2	1	2.30	2	3.04	18
25367	3	5	1	6	4	6			2	1	2.30	<2	2.92	17
25377	3	8	1	4	4	4			2	1	2.70	<2	4.87	42
25379	3	8	1	4	4	4			3	2	1.50	<2	4.20	23
25380	3	7	1	4	4	4			3	2	1.70	<2	4.40	29
25383	3	10	1	4	4	4			2	2	2.20	<2	4.54	20
25392	3	11	1	4	4	4			2	1	2.10	<2	3.37	19
25393	3	5	1	4	4	4			2	1	2.80	<2	5.93	38
25397	3	27	1	4	4	4			2	1	3.90	<2	5.23	37
25399	3	26	1	4	4	4			2	1	7.80	<2	6.05	19
25401	3	10	1	4	4	4			2	1	3.00	<2	2.54	10
25404	3	10	1	4	4	4			2	1	2.60	<2	5.09	50
25405	3	10	1	4	4	4			2	1	2.30	<2	3.72	34
25413	3	11	1	4	4	6			3	1	2.00	<2	5.20	31
25417	3	7	1	4	4	4			2	1	2.30	<2	3.08	12

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
25237	489	1	2.49	49	7	31	15	1.83	<15	1.52	20	35	1.48	451	4
25239	409	1	2.18	42	5	25	14	1.65	<15	0.97	18	17	0.98	407	<4
25240	470	1	2.79	41	5	29	14	1.81	<15	1.13	17	28	1.90	503	<4
25242	389	1	2.10	39	4	21	15	1.39	<15	1.01	18	18	0.82	277	<4
25243	434	1	2.75	34	6	31	15	2.09	<15	1.14	15	35	2.42	449	<4
25244	530	1	2.89	33	5	25	14	1.56	<15	1.02	15	26	1.89	392	<4
25245	413	1	2.75	28	4	27	14	1.56	<15	1.03	14	27	1.91	373	<4
25246	399	1	3.07	39	5	24	15	1.42	<15	0.94	18	19	1.04	361	<4
25247	454	1	3.09	37	5	24	14	1.60	<15	0.87	16	20	1.13	374	<4
25249	556	1	3.93	43	7	31	19	2.00	<15	1.17	18	22	0.91	369	<4
25250	526	1	2.81	39	5	25	14	1.68	<15	0.83	17	19	1.11	371	<4
25251	419	1	3.92	45	5	29	19	1.62	<15	0.98	19	24	1.59	416	<4
25257	696	1	4.16	48	7	29	14	2.05	<15	0.88	20	18	0.68	365	<4
25259	518	1	3.15	42	6	29	18	1.84	19	1.05	18	19	0.84	380	<4
25260	405	1	2.87	34	5	22	13	1.48	<15	0.86	16	17	1.07	362	<4
25261	660	1	4.18	38	5	23	981	1.73	<15	0.87	17	15	0.54	338	<4
25263	512	1	3.20	38	5	21	8	1.46	<15	0.84	16	18	0.75	321	<4
25264	454	1	3.08	37	4	20	13	1.35	<15	0.81	16	16	0.66	268	<4
25267	480	1	3.06	41	6	27	18	1.63	<15	1.23	17	26	1.23	377	<4
25268	337	<1	0.44	22	<4	13	9	0.86	<15	0.87	11	8	0.16	147	<4
25270	382	1	4.31	38	5	22	14	1.51	15	0.89	18	14	0.44	268	<4
25279	342	1	1.80	42	4	20	13	1.64	<15	0.85	18	14	0.27	193	<4
25280	291	1	1.10	50	5	21	15	1.33	<15	0.79	23	16	0.29	170	<4
25288	429	1	2.99	40	4	22	16	1.65	<15	1.07	19	17	0.35	271	<4
25291	435	1	0.41	50	6	26	21	1.88	<15	1.14	25	18	0.40	351	<4
25297	439	1	3.34	39	4	23	13	1.62	<15	1.04	18	18	0.39	243	<4
25300	460	1	1.63	45	7	31	23	2.28	<15	1.29	21	25	0.69	475	<4
25313	548	<1	6.88	<10	<4	15	13	1.31	<15	0.89	2	27	0.59	191	<4
25316	427	1	1.94	41	5	21	15	1.37	<15	0.92	17	15	0.27	224	<4
25325	879	1	1.73	43	6	25	16	1.78	<15	0.65	18	18	0.44	425	<4
25326	574	1	1.98	42	5	24	16	1.65	<15	0.56	18	15	0.42	445	<4
25327	677	1	2.73	40	5	24	17	1.57	<15	0.54	18	16	0.43	541	<4
25333	518	1	2.64	38	6	23	16	1.45	<15	0.74	16	18	0.47	327	<4
25334	648	1	1.72	53	5	21	14	1.47	<15	0.49	24	15	0.38	380	<4
25336	900	1	3.87	51	7	29	19	2.52	<15	0.83	22	20	0.54	581	<4
25339	506	1	1.98	43	5	23	15	1.78	<15	0.89	20	17	0.39	365	<4
25343	680	1	2.88	46	6	25	18	1.64	<15	0.75	20	21	0.52	516	<4
25350	451	1	1.52	41	6	23	16	1.49	<15	0.77	18	17	0.46	369	<4
25356	440	1	1.42	29	6	23	16	1.47	<15	0.62	14	19	0.47	352	<4
25357	517	1	2.11	42	8	32	21	2.09	<15	0.93	19	24	0.67	475	<4
25362	303	1	0.56	39	4	19	14	1.26	<15	0.91	17	15	0.31	187	<4
25367	339	1	1.28	39	4	18	16	1.23	<15	0.96	19	13	0.34	220	<4
25377	447	1	3.09	45	8	33	23	2.18	<15	1.00	19	25	0.93	486	<4
25379	509	1	1.45	41	7	22	17	1.56	<15	0.96	18	16	0.54	400	<4
25380	481	1	1.33	32	5	22	17	1.56	<15	1.14	15	19	0.55	332	<4
25383	441	1	1.16	40	6	22	17	1.65	<15	1.25	19	19	0.61	349	<4
25392	416	1	2.35	38	6	24	15	1.51	<15	0.82	17	18	0.74	347	<4
25393	580	2	4.66	48	10	40	24	2.69	<15	1.20	20	37	1.64	507	<4
25397	506	2	3.04	49	7	33	22	2.23	23	1.15	24	27	0.92	473	<4
25399	177	5	0.32	86	<4	11	10	1.33	<15	2.07	42	25	0.32	362	<4
25401	493	1	2.53	54	4	20	12	1.80	<15	0.77	26	14	0.32	295	<4
25404	467	1	2.34	50	8	39	21	2.57	<15	1.22	22	20	0.97	479	<4
25405	688	1	2.01	39	6	27	18	1.78	<15	0.90	18	16	0.70	381	<4
25413	460	1	2.07	59	10	36	23	2.22	<15	1.12	24	22	0.80	445	<4
25417	687	1	2.11	39	5	22	15	1.49	<15	0.66	18	14	0.35	467	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
25237	0.68	6	16	512	27	5	117	8	2037	49	10	42	62
25239	0.51	5	9	300	14	4	80	10	1857	44	8	27	62
25240	0.54	5	16	374	15	4	72	4	1708	43	9	36	55
25242	0.66	8	10	283	<10	3	106	<2	1718	35	8	27	52
25243	0.55	7	13	339	<10	5	125	3	2196	54	9	41	72
25244	0.51	5	10	316	<10	4	155	8	1845	43	8	31	62
25245	0.58	4	12	314	<10	4	109	<2	1983	39	9	31	72
25246	0.32	6	12	291	17	4	73	11	1477	38	8	28	41
25247	0.33	6	11	282	<10	4	166	3	1979	44	8	26	58
25249	0.66	7	19	576	<10	5	202	5	1809	55	10	45	45
25250	0.31	7	10	335	16	4	157	9	1961	46	8	27	58
25251	0.49	8	16	360	19	5	305	5	1918	45	9	32	61
25257	0.69	9	14	351	24	5	95	11	2168	62	10	35	59
25259	0.62	6	14	533	24	5	146	5	1774	50	10	45	49
25260	0.30	5	11	279	13	3	70	9	1608	40	8	28	45
25261	0.65	6	9	390	15	4	92	8	1804	52	8	33	48
25263	0.53	6	6	259	13	4	289	3	1677	41	8	28	52
25264	0.55	4	7	236	<10	3	337	6	1751	39	8	22	59
25267	0.75	7	12	410	17	4	112	8	1641	41	9	37	49
25268	0.37	4	5	92	<10	2	67	3	1360	26	4	15	31
25270	0.40	7	11	325	<10	4	102	3	1712	41	9	28	55
25279	0.36	7	9	168	<10	3	65	<2	1823	43	8	29	53
25280	0.56	5	10	263	12	3	84	2	1772	38	9	31	64
25288	0.61	7	31	245	12	3	98	3	2111	45	9	32	64
25291	0.64	8	13	234	19	4	85	3	2311	48	11	39	68
25297	0.49	8	11	407	14	4	102	<2	1744	42	10	36	65
25300	0.48	8	16	417	<10	6	115	<2	2099	56	13	50	57
25313	0.41	<4	5	212	<10	3	206	9	1529	32	7	30	46
25316	0.46	7	12	137	13	3	86	5	1722	40	8	28	51
25325	1.03	4	13	297	14	4	162	9	2083	57	8	30	48
25326	0.91	5	12	280	14	3	156	3	2010	52	8	28	52
25327	0.88	6	12	275	20	4	170	6	1828	50	9	33	49
25333	0.62	5	13	241	<10	4	132	6	1640	41	8	25	43
25334	0.67	5	7	211	10	3	109	8	1818	43	8	22	51
25338	0.69	8	12	288	13	4	178	9	2696	72	10	41	60
25339	0.64	6	8	263	10	3	114	8	2199	53	8	29	64
25343	0.74	7	12	309	12	4	140	4	1800	52	9	32	53
25350	0.86	5	9	349	15	4	109	11	1680	45	8	31	49
25356	1.08	5	15	256	14	4	131	<2	1696	48	7	30	44
25357	1.01	7	19	374	13	5	147	<2	2251	63	10	42	58
25362	0.67	7	8	362	15	3	112	3	1702	41	7	30	52
25367	0.50	6	8	696	17	3	101	4	1654	33	8	44	51
25377	1.05	6	16	345	15	6	235	5	2094	61	10	41	57
25379	1.18	6	13	263	13	4	158	9	1772	45	8	29	49
25380	1.05	4	12	252	<10	4	139	<2	1709	41	8	30	48
25383	0.64	7	11	296	26	4	183	8	1773	45	10	36	58
25392	0.42	6	11	320	11	4	95	4	1709	48	9	31	50
25393	0.39	8	24	509	13	7	193	<2	2186	78	12	61	55
25397	1.06	18	16	297	17	6	291	6	2227	58	15	45	73
25399	2.14	70	4	86	24	2	87	19	1162	20	37	73	151
25401	0.47	7	10	145	<10	3	104	8	2071	51	8	25	55
25404	0.41	8	17	303	16	7	388	5	2069	67	10	40	49
25405	0.34	6	12	238	<10	5	398	4	1594	49	9	28	42
25413	0.79	6	21	528	33	6	120	25	2098	62	11	49	56
25417	0.73	5	10	275	19	3	104	8	1792	46	7	26	42

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
25419	M	35	34.583	104.169	2	15	04/26/77	12	28.0					
25430	M	35	34.446	104.107	2	15	04/27/77	15	30.0					
25431	M	35	34.449	104.095	2	15	04/26/77	15	30.0					
25432	M	35	34.870	104.182	2	15	04/28/77	11	29.0					
25438	M	35	34.903	104.111	2	15	04/28/77	12	30.0					
25439	M	35	34.924	104.093	2	15	04/28/77	12	30.0					
25444	M	35	34.973	104.079	2	15	04/28/77	13	32.0					
25446	H	35	34.963	104.020	2	13	04/28/77	14	31.0		C			
25447	M	35	34.959	104.012	2	15	04/28/77	14	32.0					
25450	M	35	34.922	104.005	2	15	04/28/77	14	32.0					
25451	M	35	34.919	104.001	2	15	04/28/77	14	30.0					
25452	M	35	34.939	104.001	2	15	04/28/77	15	31.0					
25454	M	35	34.430	104.043	2	15	04/28/77	16	25.0					
25460	M	35	34.759	104.191	2	15	04/29/77	12	30.0					
25465	M	35	34.817	104.222	2	15	04/29/77	15	34.0					
25468	M	35	34.827	104.156	2	15	04/29/77	13	32.0					
25471	M	35	34.978	104.290	2	15	04/30/77	16	32.0					
25472	M	35	34.988	104.340	2	15	04/30/77	17	32.0					
25473	M	35	34.493	104.239	2	15	04/29/77	18	32.0					
25517	M	35	34.436	104.019	2	15	04/05/77	9	14.0					
25523	M	35	34.396	104.121	2	15	04/05/77	15						
25525	M	35	34.506	104.218	2	15	04/07/77	9	15.0					
25528	M	35	34.528	104.183	2	15	04/07/77	10	17.0					
25539	M	35	34.534	104.374	2	15	04/11/77	13	26.0					
25543	M	35	34.511	104.303	2	11	04/11/77	16	27.0	19.0			8.4	8
25545	M	35	34.533	104.275	2	15	04/12/77	9	19.0					
25546	M	35	34.540	104.326	2	11	04/12/77	13	26.0	19.0			7.9	14
25547	M	35	34.549	104.364	2	11	04/12/77	15	28.0	18.0			7.6	12
25556	M	35	34.657	104.236	2	15	04/15/77	14	26.0					
25561	M	35	34.686	104.233	2	15	04/15/77	16	26.0		C			
25562	M	35	34.679	104.216	2	15	04/15/77	16	26.0					
25575	M	35	34.688	104.354	2	15	04/17/77	11	25.0					
25579	M	35	34.738	104.372	2	15	04/17/77	11	26.0					
25587	M	35	34.721	104.239	2	15	04/17/77	14	27.0					
25593	M	35	34.675	104.099	2	15	04/18/77	10	25.0					
25595	M	35	34.629	104.114	2	15	04/18/77	10	25.0					
26108	M	35	34.002	104.496	2	15	04/20/77	11	15.0					
26110	M	35	34.024	104.408	2	15	04/20/77	12	15.0					
26113	M	35	34.063	104.380	2	12	04/20/77	14	16.0	15.4			8.4	4300
26114	M	35	34.079	104.432	2	15	04/20/77	14	16.0					
26116	O	35	34.107	104.434	2	99	04/20/77	14	16.0		C			
26120	M	35	34.184	104.382	2	11	04/20/77	15	16.0	14.8	C		7.2	1350
26121	M	35	34.192	104.385	2	11	04/20/77	15	15.0	12.4			7.1	950
26122	M	35	34.196	104.387	2	12	04/20/77	15	16.0	14.1			7.8	4200
26127	M	35	34.203	104.438	2	11	04/20/77	18	12.0	12.4			8.1	5000
26129	M	35	34.006	104.327	2	15	04/21/77	10	15.0					
26130	M	35	34.019	104.357	2	15	04/21/77	10	16.0					
26131	M	35	34.045	104.326	2	12	04/21/77	10	16.0	14.6			7.7	4400
26133	M	35	34.098	104.329	2	11	04/21/77	11	16.0	16.4	C		7.7	4200
26134	M	35	34.102	104.335	2	15	04/21/77	13	19.0					
26135	M	35	34.115	104.335	2	12	04/21/77	13	20.0	17.4			7.9	3200
26136	M	35	34.128	104.364	2	11	04/21/77	13	21.0	16.8			7.7	2700
26138	M	35	34.180	104.335	2	12	04/21/77	14	21.0	16.2			7.7	3100
26140	M	35	34.214	104.331	2	11	04/21/77	15	22.0	20.2			7.8	3300
26141	M	35	34.199	104.314	2	15	04/21/77	16	22.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
25419	3	6	1	4	4	4			2	1	3.20	<2	3.25	12
25430	3	8	1	4	4	4			2	2	2.30	<2	4.65	31
25431	3	7	1	4	4	4			2	2	2.10	<2	3.59	19
25432	3	6	1	4	4	4			3	1	2.10	<2	4.12	22
25438	3	12	1	4	4	4			3	1	2.10	<2	3.42	<10
25439	3	7	1	4	4	4			3	1	1.90	<2	3.27	10
25444	3	13	1	4	1				4	2	2.60	<2	4.75	11
25446	3	6	1	4	5	6			3	2	3.20	<2	5.60	15
25447	3	8	1	4	4	3			3	2	3.10	<2	4.07	11
25450	3	6	1	4	4	4			2	1	2.70	<2	4.54	<10
25451	3	4	1	4	4	4			2	1	2.50	<2	4.51	16
25452	3	5	1	4	4	4			3	1	2.60	<2	5.18	14
25454	3	5	1	4	4	4			1	2	3.10	<2	4.38	16
25460	3	7	1	4	4	4			2	1	2.30	<2	4.31	12
25465	3	4	1	4	4	4			3	1	2.70	<2	4.48	<10
25468	3	11	1	6		6			2	1	2.80	<2	3.65	<10
25471	3	11	1	4	4	4			2	1	2.60	<2	4.87	16
25472	3	8	1	4	4	6			2	1	2.50	<2	5.19	14
25473	3	7	1	6	4	6			1	1	3.70	<2	4.34	26
25517	9	8	4	6	4	6			3	1	2.40	<2	4.23	20
25523		2	1	6	4	6			1	1	1.80	<2	2.41	<10
25525		10	1	6	4	6			2	1	2.20	<2	3.12	<10
25528		12	1	6	4	6			3	1	1.80	<2	2.64	<10
25539		10	1	6	4	6			2	2	1.60	<2	2.67	<10
25543		10	1	6	4	6	2		2	2	1.80	<2	2.49	<10
25545		8	1	6	4	6			3	1	2.90	<2	4.83	19
25546		8	1	6	4	6	2	4	3	1	2.40	<2	4.49	14
25547		6	1	6	5	6	2	4	3	1	2.30	<2	4.36	12
25556	3	6	1	6	4	6			1	2	2.00	<2	3.11	11
25561	3	5	1	6	4	6			1	2	2.10	<2	5.70	21
25562	3	7	1	6	2	6			1	2	1.70	4	3.26	<10
25575	3	5	1	4	4	4			2	2	1.80	4	3.09	<10
25579	3	7	1	4	4	4			2	2	2.20	<2	3.08	<10
25587	3	4	1	4	4	4			1	2	2.00	<2	3.69	<10
25593	3	3	1	4	4	4			2	1	2.30	<2	5.87	18
25595	3	10	1	4	4	4			1	1	2.10	<2	3.46	<10
26108	1	15	1	4	5	4			2	4	2.00	<2	4.65	33
26110	1	8	1	4	5	4			2	4	2.00	<2	4.98	42
26113	3	13	1	4	5	6	2	1	2	2	1.60	<2	3.80	22
26114	3	5	1	4	5	6			2	3	2.60	<2	4.09	101
26116	3	5	1	4	5	6			2	2	1.10	<2	2.26	14
26120	3	8	1	1	5	6	1	2	2	2	1.80	<2	3.83	<10
26121	3	3	1	1	5	6	1	2	2	3	2.00	<2	4.52	43
26122	3	6	1	1	5	4	2	2	2	3	1.70	<2	2.94	28
26127	3	8	1	1	5	6	1	2	2	2	1.20	<2	2.32	15
26129	1	6	1	1	2	1			2	3	1.60	<2	3.13	<10
26130	1	6	1	1	5	4			2	3	1.70	<2	3.97	29
26131	3	10	1	1	5	6	3	1	2	3	2.30	<2	3.77	42
26133	3	6	1	1	5	1	1	2	2	2	1.60	<2	2.89	10
26134	1	8	1	1	5	1			2	2	2.30	<2	4.02	32
26135	3	6	1	1	5	1	2	2	2	2		<2	3.10	28
26136	3	5	1	1	5	2	1	2	2	1	1.50	<2	2.56	<10
26138	1	3	1	1	5	6	2	1	2	1	1.60	<2	3.04	12
26140	3	6	1	1			1	1	2	1	3.20	<2	3.78	29
26141	1	5	1	1	4	4			2	1	2.30	<2	4.09	39

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
25419	775	1	2.37	42	6	28	17	2.48	<15	0.73	19	17	0.40	548	<4
25430	844	1	3.28	57	9	34	23	2.11	<15	1.02	24	22	0.79	375	<4
25431	471	1	2.23	61	7	26	18	1.60	17	0.88	23	17	0.53	291	<4
25432	406	1	1.93	43	6	27	18	1.67	<15	0.95	18	21	0.66	442	<4
25438	766	1	2.16	25	<4	14	9	1.09	<15	1.22	12	17	0.56	288	<4
25439	644	1	1.70	18	<4	11	8	0.86	<15	1.26	10	14	0.34	227	<4
25444	472	1	1.24	48	6	25	20	1.84	<15	1.20	20	17	0.50	377	<4
25446	503	1	0.47	54	8	30	19	2.21	<15	1.18	26	25	0.45	478	<4
25447	488	1	0.39	44	4	22	15	1.60	<15	1.03	20	18	0.33	232	<4
25450	473	1	2.15	44	5	23	16	1.71	<15	1.13	21	19	0.46	295	<4
25451	473	1	2.08	46	6	23	16	1.64	<15	1.23	20	19	0.45	280	<4
25452	490	1	0.93	50	7	26	19	1.89	<15	1.37	22	23	0.46	420	<4
25454	1045	1	2.73	42	8	30	18	2.66	<15	1.05	18	28	0.89	539	<4
25460	552	1	2.40	33	6	26	18	1.81	<15	1.01	15	19	0.56	402	<4
25465	503	1	2.15	41	8	30	14	2.01	<15	0.86	19	21	0.58	656	<4
25468	415	1	2.18	51	5	22	15	1.70	<15	0.97	23	17	0.37	307	<4
25471	466	1	1.99	44	8	33	16	2.15	19	0.92	18	22	0.66	574	<4
25472	511	1	1.94	38	8	33	16	2.15	<15	0.97	18	24	0.70	558	<4
25473	586	1	3.96	39	7	28	36	2.14	<15	1.19	18	23	0.96	451	<4
25517	1077	1	2.60	38	7	28	18	2.05	<15	0.84	17	21	0.63	444	<4
25523	249	1	0.24	24	<4	15	9	1.16	<15	0.78	13	11	0.20	150	<4
25525	544	1	1.91	39	5	22	12	1.74	<15	0.69	18	15	0.40	404	<4
25528	257	1	0.26	34	<4	14	9	1.07	<15	0.77	15	12	0.20	157	<4
25539	418	1	2.44	20	<4	12	8	0.92	<15	0.92	9	10	0.20	159	<4
25543	540	1	2.03	34	4	15	9	1.13	<15	0.82	14	11	0.25	236	<4
25545	698	1	1.48	54	7	30	18	2.45	<15	1.00	23	22	0.69	384	<4
25546	636	1	2.74	47	10	31	15	2.20	<15	1.04	21	24	0.86	1436	<4
25547	608	1	2.68	39	9	30	18	2.26	<15	1.02	18	24	0.83	1270	<4
25556	624	1	2.41	31	4	16	11	1.36	<15	0.73	14	14	0.30	326	<4
25561	507	2	1.55	56	9	36	22	2.45	<15	1.26	25	25	0.74	450	<4
25562	544	1	4.88	52	7	21	13	1.32	26	0.80	20	15	0.36	211	4
25575	493	1	2.34	52	5	17	12	1.08	19	0.84	18	14	0.34	237	4
25579	388	1	2.08	29	4	19	11	1.50	<15	0.70	12	13	0.36	266	<4
25587	554	1	1.93	40	5	22	13	1.53	<15	0.85	18	15	0.39	324	<4
25593	589	2	3.37	49	10	39	22	2.53	<15	1.29	21	27	0.97	556	<4
25595	713	1	3.63	33	5	22	11	1.53	<15	0.74	16	17	0.43	556	<4
26108	426	1	1.96	36	6	26	75	1.76	<15	1.52	16	26	1.40	331	<4
26110	441	1	3.85	51	7	32	80	1.96	<15	1.41	23	33	1.74	366	<4
26113	385	1	4.88	31	5	21	17	1.26	<15	1.42	14	26	1.20	277	<4
26114	358	1	8.22	33	5	27	83	1.70	<15	1.13	14	35	2.63	488	<4
26116	226	<1	12.20	20	<4	15	10	0.87	<15	0.78	8	14	0.69	154	<4
26120	327	1	7.37	37	5	25	13	1.47	<15	1.18	16	28	1.58	351	<4
26121	360	1	5.97	40	6	30	18	1.90	<15	1.32	17	40	2.18	362	<4
26122	335	1	7.28	29	<4	18	11	1.11	<15	0.97	11	28	2.01	281	<4
26127	233	1	12.11	27	<4	16	8	0.84	<15	0.70	10	16	1.00	181	<4
26129	377	1	4.65	32	4	18	10	1.17	<15	1.19	14	20	1.04	206	<4
26130	387	1	5.11	37	5	27	15	1.43	<15	1.33	16	31	1.62	229	<4
26131	354	1	5.96	30	4	23	16	1.37	<15	1.31	14	31	1.79	284	<4
26133	282	1	10.82	33	5	21	11	1.24	<15	0.99	13	21	1.30	162	<4
26134	399	1	5.38	36	4	25	14	1.40	<15	1.48	15	27	1.33	297	<4
26135	308	1	9.41	28	<4	22	11	1.22	<15	1.12	11	25	1.57	143	<4
26136	239	1	12.91	22	4	18	12	0.93	<15	0.89	8	19	1.23	138	<4
26138	306	1	11.30	25	<4	21	11	1.24	<15	0.87	11	26	1.72	300	<4
26140	374	1	7.28	29	6	25	13	1.56	<15	1.08	12	40	2.83	474	<4
26141	465	1	5.26	45	7	29	13	1.77	<15	1.22	18	31	2.28	534	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
25419	0.76	7	9	271	<10	4	134	2	3117	76	10	36	72
25430	0.54	7	20	740	29	6	179	25	2106	59	10	45	57
25431	0.57	6	15	200	29	4	147	25	1720	52	8	27	52
25432	0.77	6	14	360	14	4	106	6	1767	47	9	35	48
25438	0.50	<4	7	255	13	2	109	<2	1369	31	7	22	51
25439	0.52	<4	7	193	13	2	103	4	1145	24	6	18	43
25444	0.67	6	13	498	22	4	100	6	2200	45	10	53	67
25446	0.56	7	14	333	17	5	84	8	2600	59	14	48	82
25447	0.71	7	12	126	17	3	81	4	2301	45	8	30	78
25450	0.61	7	13	417	<10	4	89	8	2101	44	10	35	68
25451	0.69	7	14	439	16	4	96	10	2064	42	9	44	66
25452	0.70	8	13	464	18	5	90	8	2223	50	11	54	70
25454	0.79	7	17	381	14	5	125	4	2907	77	9	43	58
25460	0.68	4	16	471	15	4	127	6	1815	52	8	35	50
25465	0.98	5	17	423	17	4	93	4	2215	62	9	40	60
25468	0.83	6	14	459	14	3	103	7	2160	53	7	35	63
25471	0.93	6	19	420	31	5	104	4	2343	65	10	44	61
25472	1.00	4	19	420	20	5	112	<2	2238	64	10	44	57
25473	0.64	7	13	6328	41	5	158	7	2132	56	9	125	61
25517	0.75	6	14	309	21	4	139	5	2129	60	8	38	56
25523	0.48	4	7	136	<10	2	57	2	1572	34	4	24	41
25525	0.63	7	11	216	16	3	136	5	2424	55	7	26	58
25528	0.66	<4	8	107	13	2	66	5	1538	30	4	18	38
25539	0.55	4	8	142	15	2	82	6	1212	25	5	17	36
25543	0.51	5	6	129	11	2	89	4	1663	33	7	17	45
25545	0.63	7	20	287	14	5	136	7	2487	60	9	37	56
25546	0.26	5	18	448	24	5	159	9	1789	57	9	41	41
25547	0.26	5	16	454	21	5	151	3	2022	59	9	41	46
25556	0.78	5	10	177	<10	2	114	5	1751	42	6	23	44
25561	0.60	8	25	573	28	6	100	9	2113	64	11	57	60
25562	0.53	13	12	188	22	3	124	7	1574	42	7	28	49
25575	0.67	10	10	270	18	3	122	6	1415	39	6	22	44
25579	0.70	4	7	199	12	2	109	5	1891	43	6	24	47
25587	0.78	6	10	355	22	3	127	5	1814	46	7	29	50
25593	0.65	8	23	581	23	6	147	7	2169	71	10	52	57
25595	0.83	4	10	298	<10	3	158	4	1862	51	8	26	46
26108	0.60	7	16	471	21	4	111	4	2009	44	8	102	61
26110	0.48	9	17	501	27	5	217	11	2085	50	11	113	69
26113	0.72	7	10	386	13	4	596	4	1487	33	8	36	59
26114	0.94	6	15	502	14	5	1235	6	1636	45	10	110	54
26116	0.32	6	9	388	<10	2	762	3	968	22	5	27	40
26120	0.43	7	10	459	16	4	595	4	1495	38	9	43	51
26121	0.37	6	18	724	16	5	400	4	1737	46	10	57	55
26122	0.44	5	10	250	<10	3	907	6	1255	32	7	26	44
26127	0.33	9	9	195	<10	3	1478	11	955	24	6	21	37
26129	0.54	7	8	279	<10	3	349	5	1710	32	7	29	64
26130	0.50	7	14	464	17	4	436	2	1665	38	9	38	61
26131	0.66	6	14	625	18	4	668	3	1497	36	9	41	58
26133	0.45	9	12	228	16	3	1096	7	1338	35	8	24	57
26134	0.62	9	14	360	14	4	201	<2	1751	39	9	33	62
26135	0.57	8	14	246	14	3	824	4	1384	34	8	29	58
26136	0.41	6	12	201	<10	3	1009	4	1163	31	7	24	54
26138	0.31	7	11	339	16	3	659	4	1383	34	8	32	54
26140	0.39	6	12	444	<10	4	833	<2	1700	42	9	37	57
26141	0.36	7	15	386	25	5	221	11	2033	50	10	38	63

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
26142	M	35	34.199	104.295	2	15	04/21/77	16	20.0					
26147	M	35	34.226	104.247	2	15	04/21/77	17	17.0		C			
26149	M	35	34.242	104.188	2	12	04/22/77	9	17.0	17.8			7.8	500
26153	M	35	34.199	104.214	2	15	04/22/77	10	20.0					
26154	M	35	34.200	104.246	2	15	04/22/77	10	21.0					
26158	M	35	34.157	104.172	2	15	04/22/77	12	22.0					
26160	M	35	34.131	104.184	2	12	04/22/77	12	23.0	21.2			7.3	220
26162	M	35	34.122	104.298	2	15	04/22/77	13	23.0					
26163	M	35	34.090	104.312	2	15	04/22/77	13	23.0					
26164	M	35	34.085	104.306	2	15	04/22/77	14	24.0					
26166	M	35	34.067	104.305	2	15	04/22/77	14	24.0					
26167	M	35	34.053	104.288	2	15	04/22/77	14	25.0					
26168	M	35	34.045	104.311	2	15	04/22/77	14	25.0					
26179	M	35	34.113	104.202	2	15	04/22/77	18	18.0					
26180	O	35	34.180	104.369	2	99	04/23/77	10	18.0					
26182	M	35	34.242	104.456	2	15	04/23/77	10	19.0					
26184	O	35	34.204	104.411	2	99	04/23/77	11	20.0					
26188	M	35	34.163	104.226	2	15	04/23/77	14	25.0					
26190	M	35	34.058	104.164	2	15	04/23/77	15	24.0					
26192	M	35	34.016	104.167	2	15	04/23/77	15	24.0					
26194	M	35	34.038	104.131	2	15	04/23/77	16	23.0					
26199	M	35	34.041	104.119	2	15	04/24/77	8	15.0					
26200	M	35	34.021	104.096	2	15	04/24/77	8	15.0					
26201	M	35	34.008	104.085	2	15	04/24/77	8	15.0					
26203	M	35	34.056	104.079	2	15	04/24/77	9	16.0					
26204	M	35	34.062	104.046	2	12	04/24/77	10	17.0	18.4			7.6	480
26207	M	35	34.070	104.046	2	15	04/24/77	11	23.0					
26217	O	35	34.199	104.072	2	99	04/24/77	15	24.0					
26218	M	35	34.202	104.100	2	11	04/24/77	15	24.0	20.2	C		8.5	700
26220	M	35	34.242	104.104	2	15	04/25/77	8	13.0					
26221	M	35	34.212	104.107	2	15	04/25/77	9	14.0					
26222	M	35	34.210	104.076	2	15	04/25/77	9	14.0					
26223	M	35	34.227	104.037	2	15	04/25/77	9	14.0					
26226	M	35	34.247	104.048	2	15	04/25/77	10	18.0					
26230	M	35	34.228	104.397	2	11	04/25/77	12	24.0	22.3			7.3	2400
26301	M	35	34.278	104.869	2	15	04/30/77	11	18.0					
26305	M	35	34.289	104.828	2	15	04/29/77	9	20.0					
26307	M	35	34.254	104.782	2	15	04/29/77	9	21.0		C			
26308	M	35	34.252	104.774	2	15	04/29/77	10	23.0					
26309	M	35	34.258	104.775	2	15	04/29/77	10	23.0					
26310	M	35	34.274	104.766	2	15	04/29/77	10	23.0					
26311	M	35	34.299	104.753	2	15	04/29/77	11	24.0					
26315	M	35	34.297	104.799	2	15	04/29/77	12	25.0					
26318	M	35	34.334	104.796	2	15	04/29/77	13	27.0					
26319	M	35	34.350	104.802	2	15	04/29/77	14	29.0					
26324	M	35	34.371	104.850	2	15	04/29/77	15	28.0		C			
26330	M	35	34.012	104.511	2	15	05/01/77	10	25.0		C			
26332	M	35	34.023	104.773	2	15	05/01/77	10	26.0		C			
26334	M	35	34.016	104.850	2	15	05/01/77	11	27.0					
26335	M	35	34.049	104.871	2	15	05/01/77	11	27.0					
26337	M	35	34.225	104.907	2	15	05/01/77	12	28.0		C			
26346	M	35	34.480	104.963	2	15	05/01/77	15	29.0					
26350	M	35	34.711	104.792	2	15	05/02/77	11	26.0		C			
26361	M	35	34.657	104.822	2	15	05/02/77	12	27.0		C			
26362	M	35	34.740	104.864	2	15	05/02/77	14	28.0		C			

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-AT	AG	AL	B
26142	1	5	1	1	4	4			2	1	2.10	<2	3.66	25
26147	1		1	1	2	1			2	1	2.30	<2	4.03	19
26149	1	7	1	4	5	4	1	4	2	1	3.50	<2	3.74	18
26153	1	7	1	4	4	4			2	1	2.40	<2	4.08	26
26154	1	14	1	4	5	4			2	1	2.70	<2	6.97	36
26158	1	7	1	4	5	4			2	1	2.70	<2	6.62	33
26160	1	9	1	4	5	4	1	4	2	1	2.70	<2	6.82	49
26162	1	11	1	4	4	4			2	1	2.90	<2	5.45	50
26163	1	19	1	4	5	4			2	1	2.50	<2	7.03	48
26164	1	10	1	4	4	4			2	1	3.00	<2	4.35	31
26166	1	5	1	4	4	4			2	1	2.60	<2	4.68	66
26167	1	5	1	4	4	4			2	1	1.90	<2	4.05	27
26168	3	5	1	4	4	1			2	1	3.00	<2	4.09	27
26179	1	7	1	4	5	6			2	1	1.90	<2	3.56	17
26180	1	5	1	1	5	4			2	1	1.70	<2	3.94	15
26182	1	1	1	1	4	1			2	1	1.90	<2	3.27	17
26184	1	5	1	1	5	6			2	1		<2	4.04	26
26188	1	7	1	4	5	4			2	1		<2	6.30	31
26190	1	3	1	4	4	4			2	1	2.40	<2	2.80	10
26192	1	1	1	4	4	4			2	1	2.00	<2	2.67	11
26194	1	5	1	4	5	4			2	1	2.20	<2	5.27	37
26199	1	7	1	4	4	4			2	1	1.80	<2	5.12	29
26200	1	5	1	4	5	4			2	1	2.00	<2	4.82	25
26201	1	5	1	4	5	4			2	1	1.50	<2	4.34	31
26203	1	6	1	4	5	4			2	1	7.40	<2	4.90	59
26204	3	7	1	4	5	4	1	4	2	1	1.80	<2	5.34	19
26207	1	2	1	4	5	4			2	1	1.50	<2	3.22	15
26217	1	18	1	4	5	4			2	2	2.30	<2	5.50	49
26218	3	13	1	4	5	6	1	3	2	1	2.30	<2	8.05	100
26220	1	9	1	4	5	4			2	2	1.90	<2	5.03	45
26221	1	7	1	4	5	4			2	2	2.50	<2	6.20	61
26222	1	11	1	4	5	4			2	2	2.30	<2	5.28	44
26223	1	7	1	4	5	4			2	2	2.40	<2	6.19	42
26226	1	1	1	4	4	4			2	1	1.30	<2	2.16	13
26230	3	3	1	1	5	6	1	2	2	1	1.50	<2	3.16	28
26301	1	7	1	1	4	4			2	1	2.60	<2	5.31	29
26305	1	5	1	1	4	4			3	1	2.40	<2	5.81	32
26307	1	10	1	1	4	6			3	1	2.60	<2	4.56	33
26308	1	8	1	1	4	4			3	1	2.10	<2	3.49	21
26309	1	8	1	1	4	4			3	1	2.00	<2	3.54	20
26310	1	7	1	1	4	4			3	1	2.20	<2	4.52	26
26311	1	7	1	1	4	4			3	1	2.40	<2	4.68	27
26315	1	3	1	1	4	4			3	1	2.30	<2	4.33	29
26316	1	5	1	1	4	4			3	1	2.50	<2	5.97	36
26319	1	5	1	1	4	4			3	1	2.60	<2	6.93	27
26324	1	6	1	1	4	6			3	1	2.10	<2	3.75	21
26330	1	8	1	1	4	3			3	1	1.70	<2	3.83	24
26332	1	8	1	1	4	6			2	1	2.20	<2	4.36	22
26334	1	9	1	1	4	6			3	1	2.70	<2	5.09	19
26335	1	11	1	1	4	6			3	1	2.60	<2	5.63	26
26337	1	7	1	1	4	6			2	1	2.50	<2	4.86	14
26346	1	10	1	1	4	6			3	1	1.80	<2	4.03	15
26350	1	11	1	1	4	6			3	1	2.70	<2	4.93	23
26361	1	7	1	1	4	6			2	2	0.10	<2	7.68	25
26362	1	8	1	1	4	6			3	2	2.20	<2	4.40	19

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	MF	K	LA	LI	MG	MN	MO
26142	383	1	2.13	35	5	22	14	1.57	<15	1.17	17	20	0.92	384	<4
26147	447	1	2.36	41	7	26	14	1.62	<15	1.09	18	21	0.71	303	<4
26149	796	1	2.41	46	6	26	16	1.75	<15	0.89	21	16	0.71	474	<4
26153	382	1	0.62	55	7	30	17	2.13	<15	1.25	26	20	0.57	437	<4
26154	732	2	1.89	69	11	48	23	3.10	<15	1.44	28	33	1.18	435	<4
26158	431	2	3.16	54	10	42	23	2.84	<15	1.43	25	30	0.96	372	<4
26160	511	2	3.45	58	10	45	22	2.96	<15	1.52	27	30	1.01	373	<4
26162	923	1	2.58	52	7	36	29	2.57	<15	1.18	23	25	1.33	506	<4
26163	471	2	2.50	56	11	52	26	2.88	<15	1.89	24	66	3.16	588	<4
26164	563	1	3.19	45	8	31	14	2.09	<15	1.12	20	29	1.87	461	<4
26166	611	1	2.46	50	8	35	17	2.23	<15	0.95	22	26	1.33	411	<4
26167	548	1	3.77	31	5	26	14	1.66	<15	0.95	15	25	1.13	430	<4
26168	553	1	3.69	33	5	26	14	1.75	<15	1.15	15	25	2.25	445	<4
26179	384	1	3.06	33	4	20	14	1.30	<15	1.18	14	16	0.43	212	<4
26180	334	1	9.57	33	5	28	16	1.56	<15	1.08	13	39	1.89	382	<4
26182	561	1	3.90	32	5	21	11	1.56	<15	0.99	14	19	0.81	328	<4
26184	461	1	3.65	39	5	24	13	1.52	<15	1.37	15	23	1.14	340	<4
26188	645	2	2.93	57	9	40	21	2.64	<15	1.47	24	20	1.29	574	<4
26190	290	1	0.23	39	4	19	10	1.39	<15	1.06	17	12	0.22	199	<4
26192	276	1	0.27	27	<4	15	10	0.98	<15	0.98	12	12	0.23	176	<4
26194	439	1	1.83	47	9	34	18	2.18	<15	1.47	19	27	0.86	403	<4
26199	383	1	2.81	41	6	29	19	2.01	<15	1.30	18	25	0.81	323	<4
26200	415	1	1.47	43	6	30	21	2.00	<15	1.16	20	19	0.73	428	<4
26201	616	1	3.60	36	6	26	18	1.71	<15	1.01	17	22	0.69	377	<4
26203	502	1	3.42	52	8	32	19	2.16	<15	1.16	22	26	1.54	452	<4
26204	587	1	3.18	46	7	31	21	2.02	<15	1.12	21	25	1.06	391	<4
26207	367	1	2.46	30	4	17	11	1.11	<15	1.08	12	16	0.36	144	<4
26217	394	2	1.51	64	7	36	21	2.30	<15	1.19	25	13	1.06	383	<4
26218	492	2	1.47	60	12	53	27	3.78	<15	1.64	27	35	1.43	397	<4
26220	571	1	2.58	42	7	29	17	2.28	22	1.30	19	22	1.37	544	<4
26221	530	2	2.83	52	10	41	27	2.78	<15	1.19	25	20	1.37	570	<4
26222	671	2	2.78	45	9	34	22	2.32	<15	1.02	20	24	1.00	568	<4
26223	642	2	2.83	55	11	41	26	2.85	<15	1.15	24	30	1.20	596	<4
26226	272	1	0.21	16	<4	11	11	0.80	21	0.93	8	12	0.16	117	<4
26230	342	1	9.86	27	4	20	10	1.34	<15	0.85	11	21	1.03	206	<4
26301	544	1	2.16	48	8	34	25	2.23	<15	1.51	20	31	1.20	396	<4
26305	564	2	2.15	57	9	36	20	2.29	<15	1.62	23	35	1.26	392	<4
26307	813	1	6.16	39	6	31	13	1.92	<15	1.21	17	30	1.17	642	<4
26308	741	1	4.81	33	5	23	12	1.48	<15	1.12	14	19	0.54	379	<4
26309	745	1	5.08	37	4	24	12	1.44	<15	1.18	15	20	0.53	332	<4
26310	469	1	2.12	43	5	27	15	1.67	<15	1.36	17	26	0.98	282	<4
26311	518	1	2.87	46	7	29	16	1.86	<15	1.31	20	27	1.09	316	<4
26315	444	1	2.41	39	6	28	17	1.90	<15	1.35	18	26	1.02	306	<4
26318	545	2	2.11	44	9	37	28	2.35	<15	1.64	19	37	1.49	491	<4
26319	606	2	2.02	49	9	43	22	2.85	<15	1.77	23	42	1.68	539	<4
26324	409	1	5.92	32	4	22	11	1.23	<15	1.15	15	20	0.84	334	<4
26330	494	1	2.50	29	4	20	9	1.27	<15	1.55	14	21	0.90	212	<4
26332	669	1	7.17	37	4	24	16	1.74	<15	1.43	16	23	0.57	263	<4
26334	545	1	3.69	59	7	30	22	2.11	<15	1.45	26	23	0.78	412	<4
26335	603	1	3.28	50	6	28	20	2.12	<15	1.72	21	28	0.76	422	<4
26337	491	1	1.26	51	6	26	16	1.90	<15	1.66	22	23	0.41	338	<4
26346	595	1	3.33	38	4	20	11	1.43	<15	1.42	15	18	0.37	231	<4
26350	599	1	2.04	47	6	28	16	2.07	<15	1.50	21	25	0.67	437	<4
26361	609	2	0.64	65	9	41	28	3.09	18	1.97	31	36	0.73	571	<4
26362	452	1	3.41	43	6	24	16	1.71	<15	1.51	18	27	1.13	314	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
26142	0.49	5	11	338	12	3	86	10	1966	42	9	36	66
26147	0.59	7	13	325	27	4	116	5	1854	43	9	33	55
26149	0.59	6	17	244	12	4	214	7	2130	49	11	29	76
26153	0.59	8	16	352	15	5	81	5	2557	52	12	42	88
26154	0.41	7	26	542	22	8	128	7	2959	85	14	64	73
26158	0.43	8	20	412	15	8	204	4	2491	78	12	52	65
26160	0.34	11	22	513	29	8	216	4	2799	78	12	55	72
26162	0.50	7	19	415	12	6	245	<2	2720	68	12	49	82
26163	0.43	9	30	738	21	8	106	3	2629	82	12	54	67
26164	0.36	8	13	464	20	5	85	6	2353	61	11	46	69
26166	0.63	8	19	419	13	6	173	4	2434	62	11	40	73
26167	0.33	5	14	342	<10	5	86	7	1786	60	9	43	51
26168	0.61	5	15	394	15	4	87	6	2049	51	9	33	67
26179	0.53	6	9	300	15	3	88	4	1586	34	7	30	52
26180	0.37	7	16	230	<10	5	781	2	1622	42	8	43	51
26182	0.32	5	12	287	15	4	90	5	1763	49	8	31	55
26184	0.49	5	12	397	14	4	116	11	1743	43	8	37	54
26188	0.36	7	20	327	21	7	289	7	2463	64	13	41	67
26190	0.56	6	7	144	22	2	58	6	1965	40	7	25	63
26192	0.57	4	6	135	14	2	88	4	1451	28	5	22	42
26194	0.59	8	15	400	23	6	134	5	2081	62	9	44	56
26199	0.43	6	17	328	15	5	206	7	1832	51	9	41	56
26200	0.55	8	16	351	20	8	124	8	2044	51	10	40	63
26201	0.57	6	12	263	14	4	253	4	1802	51	9	29	54
26203	1.14	9	14	430	29	5	324	8	2178	65	11	42	65
26204	0.51	9	18	381	24	5	304	9	2026	51	10	34	63
26207	0.50	5	9	187	14	3	109	6	1283	31	6	25	39
26217	0.45	8	16	238	16	6	223	7	2314	64	11	30	67
26218	0.74	8	30	362	15	9	557	6	3084	94	12	56	73
26220	0.60	7	18	272	23	5	285	4	2055	68	9	37	51
26221	0.51	8	23	312	30	7	364	7	2572	72	12	35	65
26222	0.78	6	19	363	13	6	244	7	2339	66	10	37	61
26223	0.82	9	26	422	22	7	259	6	2781	80	11	48	68
26226	0.50	4	4	116	<10	1	50	<2	1271	24	3	15	33
26230	0.36	8	11	252	15	3	856	4	1380	42	7	25	46
26301	0.57	7	22	494	19	5	101	3	2217	64	9	48	58
26305	0.59	7	20	534	16	6	110	6	2355	66	10	51	61
26307	0.76	8	18	450	19	5	93	8	2047	63	10	38	72
26308	0.63	7	9	335	18	3	127	3	1857	50	8	33	51
26309	0.68	7	11	323	10	3	140	4	1847	50	8	28	52
26310	0.69	5	17	380	<10	4	98	6	1944	53	8	34	60
26311	0.64	7	17	411	10	5	105	5	2109	59	9	38	60
26315	0.59	6	19	419	18	4	102	6	2146	59	8	44	57
26318	0.67	7	111	632	16	6	99	4	2311	68	10	56	55
26319	0.56	4	28	678	20	7	102	7	2542	80	11	64	59
26324	0.73	6	15	296	14	3	114	<2	1642	39	8	27	54
26330	0.67	5	12	286	17	3	120	9	1764	38	7	25	63
26332	0.56	11	13	579	15	4	204	<2	2195	53	10	45	61
26334	0.66	11	16	552	25	5	141	8	2646	59	12	52	70
26335	0.80	8	15	576	16	5	147	3	2639	58	11	55	69
26337	0.71	8	16	341	19	4	101	7	2423	51	10	45	64
26346	0.63	8	10	286	15	3	118	<2	1898	42	8	33	51
26350	0.58	8	16	377	21	4	92	9	2487	59	10	43	71
26361	0.49	11	25	695	32	8	93	13	3001	71	17	87	82
26362	0.67	5	15	556	27	4	157	13	1914	45	9	40	55

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONM	MEAS	PH	CT-F
26388	M	35	34.876	104.960	2	15	05/05/77	17	25.0		C			
26389	M	35	34.867	104.994	2	15	05/05/77	19	23.0					
26390	M	35	34.866	104.902	2	15	05/05/77	18	25.0		C			
26391	M	35	34.893	104.988	2	15	05/05/77	18						
26392	M	35	34.847	104.935	2	15	05/05/77	19	25.0		C			
26409	M	35	34.381	104.328	2	15	05/01/77	15	35.0		C			
26411	M	35	34.350	104.229	2	15	05/01/77	9	27.0		C			
26416	M	35	34.273	104.206	2	15	05/01/77	11	28.0					
26419	M	35	34.255	104.279	2	15	05/01/77	12	28.0					
26422	M	35	34.507	104.093	2	15	05/01/77	13	25.0					
26423	M	35	34.524	104.100	2	15	05/01/77	13	25.0					
26424	M	35	34.462	104.114	2	15	05/01/77	13	25.0					
26427	M	35	34.457	104.067	2	15	05/01/77	14	25.0					
26428	M	35	34.476	104.004	2	15	05/01/77	15	24.0					
26481	M	35	34.402	104.511	2	15	05/05/77	12	26.0		C			
26487	M	35	34.449	104.758	2	15	05/05/77	13	27.0					
26488	M	35	34.604	104.610	2	11	05/05/77	12	30.0	24.0			7.6	4700
26489	M	35	34.685	104.669	2	15	05/05/77	12	30.0		C			
26491	M	35	34.747	104.553	2	15	05/05/77	14	29.0					
26493	M	35	34.762	104.574	2	15	05/05/77	14	29.0					
26494	M	35	34.793	104.588	2	15	05/05/77	14	29.0					
26497	M	35	34.713	104.557	2	15	05/05/77	15	28.0		C			
31002	M	35	34.176	105.992	2	15	04/26/78	15	27.0					
31003	M	35	34.224	105.992	2	15	04/26/78	15	27.0					
31005	M	35	34.209	105.953	2	15	04/26/78	16	27.0					
31006	M	35	34.211	105.955	2	15	04/26/78	16	27.0					
31007	M	35	34.180	105.959	2	15	04/26/78	16	27.0					
31010	M	35	34.202	105.922	2	15	04/26/78	17	25.0					
31011	M	35	34.201	105.917	2	15	04/26/78	18	25.0					
31013	M	35	34.219	105.932	2	15	04/26/78	18	25.0					
31015	M	35	34.211	105.865	2	15	04/27/78	9	23.0					
31016	M	35	34.204	105.878	2	15	04/27/78	9	23.0					
31017	M	35	34.192	105.846	2	15	04/27/78	9	23.0					
31019	M	35	34.151	105.864	2	15	04/27/78	10	24.0					
31021	M	35	34.144	105.921	2	15	04/27/78	10	25.0					
31022	M	35	34.159	105.913	2	15	04/27/78	11	26.0					
31024	M	35	34.179	105.821	2	15	04/27/78	11	26.0					
31025	M	35	34.234	105.843	2	15	04/27/78	12	26.0					
31026	M	35	34.214	105.819	2	15	04/27/78	12	26.0					
31027	M	35	34.221	105.796	2	15	04/27/78	12	26.0					
31028	M	35	34.207	105.809	2	15	04/27/78	13	26.0					
31029	M	35	34.178	105.782	2	15	04/27/78	13	26.0					
31030	M	35	34.157	105.763	2	15	04/27/78	13	26.0					
31033	M	35	34.147	105.741	2	15	04/27/78	14	26.0					
31034	M	35	34.127	105.716	2	15	04/27/78	15	26.0					
31037	M	35	34.176	105.710	2	15	04/27/78	16	26.0					
31040	M	35	34.244	105.727	2	15	04/27/78	17	22.0					
31041	M	35	34.239	105.722	2	15	04/27/78	17	22.0					
31042	M	35	34.249	105.695	2	15	04/27/78	17	22.0					
31043	M	35	34.234	105.632	2	15	04/27/78	18	21.0					
31044	M	35	34.232	105.632	2	15	04/27/78	18	21.0					
31045	M	35	34.207	105.649	2	15	04/27/78	18	21.0					
31046	M	35	34.194	105.650	2	15	04/27/78	18	21.0					
31052	M	35	34.083	105.659	2	15	04/28/78	11	19.0					
31054	M	35	34.082	105.711	2	15	04/28/78	11	21.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
26388	3	11	1	4	4	4			3	2	4.90	<2	2.40	10
26389	1	8	1	1	4	6			3	3	2.60	<2	4.83	15
26390	1	6	1	1	4	6			3	2	2.40	<2	2.95	17
26391		6									2.20	<2	4.18	17
26392	1	8	1	1	4	6			3	2	3.00	<2	4.90	24
26409	3	7	1	4	4	4			1	1	2.10	<2	2.56	10
26411	3	5	1	1	4	6			2	2	1.90	<2	2.96	<10
26416		12	1	4	4	4			2	2	1.90	<2	3.92	15
26419	3	6	1	4		4			2	2	2.60	<2	4.41	24
26422	3	7	1	4	4	4			3	3	2.40	<2	4.87	23
26423	3	4	1	4	4	4			3	3	2.40	<2	4.99	36
26424	3	4	1	4	4	4			3	3	2.40	<2	5.25	33
26427	3	10	1	4	4	4			3	3	2.80	<2	6.40	61
26428	3	6	1	4	4	4			3	3	2.30	<2	4.95	35
26481	1	6	1	1	4	6			3	3	1.90	<2	2.87	<10
26487	1	7	1	1	4	6			2	2	1.60	<2	2.57	11
26488	3	6	1	6	5	6	2	2	3	1	2.10	<2	3.61	24
26489	1	7	1	1	4	6			2	2	2.20	<2	3.29	16
26491	1	8	1	1	4	6			3	2	2.50	<2	3.21	16
26493	1	7	1	1	4	6			3	2	2.60	<2	3.26	15
26494	1	7	1	4	4	6			3	2	3.10	<2	4.46	19
26497	1	11	1	1	4	6			3	3	2.50	<2	4.14	19
31002	3	23	1	7	5	6			2	2	2.00	<2	4.59	16
31003	3	13	1	7	5	6			2	2	2.00	<2	4.36	13
31005	3	15	1	7	5	6			2	2	2.50	<2	5.11	22
31006	3	9	1	7	5	6			2	2	2.20	<2	4.41	14
31007	3	6	1	7	5	6			2	2	2.60	<2	6.32	26
31010	3	11	1	7	5	6			2	2	2.50	<2	5.29	22
31011	3	11	1	7	5	6			2	2	2.60	<2	5.77	21
31013	3	6	1	7	5	6			3	2	2.40	<2	5.69	22
31015	3	11	1	6	5	6			3	1	2.60	<2	5.47	18
31016	3	10	1	6	5	6			2	1	3.00	<2	4.90	21
31017	3	6	1	6	5	6			2	1	2.90	<2	5.77	17
31019	3	5	1	6	5	6			2	1	2.60	<2	5.51	24
31021	3	13	1	6	5	6			2	1	2.30	<2	4.74	19
31022	3	11	1	6	5	6			2	1	2.50	<2	5.38	20
31024	3	6	1	6	5	6			2	1	2.80	<2	6.15	24
31025	3	16	1	6	5	6			2	1	2.70	<2	5.68	20
31026	3	25	1	6	5	6			2	1	2.80	<2	5.83	22
31027	3	26	3	6	5	6			4	1	2.60	<2	5.08	17
31028	3	13	3	6	5	6			1	1	2.90	<2	5.45	19
31029	3	23	1	6	5	6				1	3.80	<2	5.86	15
31030	3	23	3	7	4	6			3	1	2.90	<2	5.15	<10
31033	3	15	3	1	5	6			2	2	3.10	<2	5.17	22
31034	3	11	1	6	5	6			2	2	2.70	<2	5.49	14
31037	3	16	3	6	5	6			2	2	3.10	<2	4.66	11
31040	3	17	3	6	5	6			3	2	2.90	<2	5.12	22
31041	3	11	3	6	5	6			2	2	2.60	2	5.02	16
31042	3	11	1	6	5	6			2	2	2.80	<2	5.42	25
31043	3	4	1	6	5	6			1	2	2.60	<2	5.98	24
31044	3	4	1	6	5	6			1	2	2.70	<2	6.43	33
31045	3	5	1	6	5	6			2	2	2.70	<2	5.26	15
31046	3	13	1	6	5	6			2	2	2.60	<2	5.53	15
31052	3	23	3	1	5	6			1	1	2.60	<2	5.71	12
31054	3	5	3	1	5	6			4	1	2.50	<2	3.48	28

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
26388	466	1	1.83	32	<4	21	8	1.94	<15	1.02	14	14	0.92	344	<4
26389	473	1	0.33	52	7	27	15	1.76	15	1.56	23	26	0.36	392	<4
26390	371	1	0.31	43	4	17	10	1.06	<15	1.27	19	14	0.22	187	<4
26391	537	1	2.93	36	6	24	14	1.54	<15	1.42	16	33	1.50	355	<4
26392	456	1	0.71	48	5	29	15	2.02	<15	1.46	23	23	0.40	262	<4
26409	342	1	0.45	28	<4	15	7	1.09	21	1.16	12	13	0.17	139	<4
26411	452	1	3.43	29	4	17	10	1.15	30	1.13	12	14	0.28	156	<4
26416	442	1	1.17	28	4	20	12	1.52	<15	1.29	13	20	0.45	319	<4
26419	539	1	3.87	41	6	26	17	1.77	<15	1.25	19	22	0.72	293	<4
26422	1168	1	4.68	45	8	32	21	2.28	<15	1.06	19	25	0.78	456	<4
26423	1303	1	2.17	46	7	33	21	2.35	<15	1.11	17	26	0.76	456	<4
26424	945	1	2.17	45	8	34	24	2.35	<15	1.11	19	28	0.81	525	<4
26427	766	3	2.08	62	10	47	26	3.17	17	1.25	25	24	1.24	508	<4
26428	690	1	2.65	48	7	31	17	2.06	<15	1.24	19	24	0.78	456	<4
26481	402	1	0.99	27	<4	17	8	1.11	<15	1.19	13	14	0.25	160	<4
26487	419	1	3.00	26	<4	14	11	1.00	<15	1.10	12	13	0.23	142	<4
26488	502	1	5.22	33	4	21	13	1.24	17	1.23	14	23	1.20	304	<4
26489	458	1	1.23	36	4	18	10	1.30	<15	1.20	15	17	0.40	251	<4
26491	420	1	2.47	41	4	19	10	1.34	<15	0.96	19	17	0.27	195	<4
26493	407	1	1.75	36	5	21	9	1.29	<15	1.17	16	22	1.12	333	<4
26494	493	1	2.07	39	6	29	13	1.91	<15	1.44	18	30	1.35	460	<4
26497	460	1	0.82	39	5	22	13	1.51	<15	1.37	18	20	0.29	258	<4
31002	554	1	0.83	34	5	23	13	1.68	<15	1.74	16	19	0.39	278	<4
31003	576	1	2.94	39	6	27	14	2.05	<15	1.54	18	19	0.68	318	<4
31005	579	1	1.97	49	6	27	18	1.90	<15	1.62	22	21	0.59	353	<4
31006	556	1	0.92	43	5	25	12	1.78	22	1.52	18	16	0.41	289	<4
31007	609	2	0.86	49	8	31	22	2.40	<15	1.97	25	25	0.70	520	<4
31010	582	1	1.69	56	7	33	20	2.44	<15	1.66	26	22	0.62	450	<4
31011	613	2	1.83	55	7	32	20	2.30	<15	1.73	25	26	0.70	476	<4
31013	598	1	1.89	43	6	28	21	2.13	<15	2.06	20	26	0.79	430	<4
31015	597	1	0.61	45	6	25	17	1.94	<15	1.87	22	25	0.40	410	<4
31016	584	1	0.86	55	6	27	16	1.95	<15	1.69	24	21	0.40	390	<4
31017	606	2	1.51	64	8	28	20	2.02	<15	1.81	30	26	0.55	492	<4
31019	559	1	3.62	50	8	31	23	2.08	<15	1.77	22	29	0.85	395	<4
31021	539	1	2.33	40	5	25	15	1.80	<15	1.80	18	28	0.71	349	<4
31022	580	1	1.07	49	7	28	17	2.00	<15	1.73	23	25	0.54	371	<4
31024	588	2	1.16	54	7	28	20	2.15	<15	1.85	26	30	0.64	476	<4
31025	619	2	0.60	52	6	26	18	1.93	<15	1.86	25	25	0.40	476	<4
31026	627	2	0.54	52	6	26	18	1.86	<15	1.97	25	26	0.39	406	<4
31027	560	1	0.83	45	6	23	17	1.65	<15	1.61	22	23	0.33	311	<4
31028	581	2	1.05	60	7	26	17	1.90	<15	1.61	29	25	0.39	459	<4
31029	581	2	0.63	106	6	21	17	1.85	<15	1.73	63	23	0.32	736	<4
31030	817	2	0.98	78	8	18	17	1.93	<15	1.56	39	17	0.48	610	<4
31033	512	1	0.81	61	7	26	18	1.92	<15	1.42	28	20	0.37	474	<4
31034	558	2	0.84	55	8	29	18	2.21	<15	1.32	27	23	0.50	420	<4
31037	538	1	0.37	58	7	26	15	1.66	<15	1.48	25	18	0.27	387	<4
31040	558	1	0.58	57	7	28	16	1.88	<15	1.46	28	21	0.37	404	<4
31041	548	1	0.46	56	8	28	18	1.83	<15	1.40	25	20	0.35	435	<4
31042	585	2	0.50	64	9	30	23	2.10	<15	1.55	30	22	0.40	621	<4
31043	554	2	0.52	66	11	34	24	2.44	15	1.51	30	24	0.54	623	<4
31044	564	2	0.73	68	10	38	27	2.63	<15	1.58	32	26	0.70	646	<4
31045	522	1	1.73	57	7	30	20	2.08	<15	1.37	25	24	0.51	403	<4
31046	533	2	0.64	56	8	30	21	2.08	<15	1.52	28	24	0.43	483	<4
31052	595	2	0.69	63	10	35	23	2.40	<15	1.51	29	22	0.59	584	<4
31054	423	1	4.45	36	5	23	15	1.72	<15	1.07	17	16	0.81	313	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
26388	0.49	4	8	248	17	2	64	10	2547	59	7	27	90
26389	0.64	7	17	290	27	4	94	12	2170	52	10	40	67
26390	0.48	6	9	405	22	3	75	13	1562	32	7	27	47
26391	0.64	6	15	293	17	4	109	7	1713	45	7	35	51
26392	0.48	7	19	320	13	5	86	10	2418	60	10	40	75
26409	0.40	4	7	136	14	2	58	4	1664	32	5	20	49
26411	0.50	6	14	209	14	2	96	5	1536	34	5	25	45
26416	0.61	<4	12	310	14	3	77	2	1629	40	7	33	50
26419	0.59	7	15	394	15	4	142	4	2094	57	9	37	65
26422	0.70	8	21	344	20	5	156	7	2206	75	9	42	61
26423	0.78	5	20	343	20	5	130	5	2370	77	9	42	58
26424	0.89	6	21	345	22	6	152	7	2253	78	9	43	57
26427	0.49	9	26	287	29	7	345	13	2987	100	12	39	71
26428	0.76	7	17	351	27	5	191	6	2110	64	9	33	56
26481	0.43	6	11	159	17	2	72	7	1631	35	5	24	48
26487	0.39	5	10	229	16	2	88	9	1369	31	5	26	41
26488	0.75	4	16	360	18	3	309	11	1522	37	7	28	50
26489	0.48	6	9	324	14	3	96	7	1645	43	7	27	44
26491	0.35	6	11	216	16	3	78	4	1848	41	7	26	64
26493	0.59	4	12	294	<10	3	107	2	1681	36	7	23	59
26494	0.65	5	17	379	18	4	103	6	2004	53	8	34	57
26497	0.69	5	11	280	13	3	89	4	2168	44	8	30	65
31002	0.85	6	11	343	10	3	140	<2	2260	46	8	35	53
31003	0.83	7	12	441	21	4	186	4	2890	65	8	41	56
31005	0.86	8	13	509	27	4	164	11	2486	50	10	45	66
31006	0.80	7	10	334	12	4	144	10	2445	51	8	40	58
31007	0.88	8	20	521	16	5	150	10	2722	60	14	69	74
31010	0.81	9	16	514	21	5	151	10	3016	66	11	56	72
31011	0.82	9	21	554	23	5	160	8	2751	61	12	55	67
31013	0.95	7	14	687	25	5	168	5	2477	53	11	59	63
31015	0.91	8	15	315	18	4	149	<2	2540	53	11	47	66
31016	0.83	9	15	366	23	4	142	7	2694	55	11	47	68
31017	0.94	13	16	523	26	5	147	8	2437	54	13	56	72
31019	0.83	9	17	566	24	5	165	9	2568	57	11	56	64
31021	0.83	8	9	492	13	4	149	6	2385	50	9	45	58
31022	0.83	10	14	347	27	5	137	8	2550	55	11	46	65
31024	0.98	9	16	417	21	5	139	8	2575	57	13	57	71
31025	0.96	11	13	367	19	5	144	<2	2515	53	12	48	65
31026	1.13	10	12	380	13	4	149	2	2568	50	12	47	72
31027	0.97	10	15	159	18	4	128	5	2356	48	10	38	68
31028	1.01	11	14	280	31	4	139	11	2613	56	12	43	72
31029	1.77	17	12	394	36	4	181	9	2447	53	11	45	65
31030	1.46	20	5	633	18	4	286	8	2511	55	11	43	73
31033	1.05	15	12	352	26	4	133	11	2681	48	13	48	88
31034	0.66	11	16	307	22	5	125	5	2695	56	13	47	79
31037	0.95	11	12	248	24	4	129	8	2740	46	10	35	79
31040	0.83	11	20	257	22	4	132	8	2752	50	12	39	80
31041	0.84	10	15	268	30	4	140	10	2725	50	12	35	77
31042	0.83	12	16	473	33	5	148	8	2948	55	15	56	84
31043	0.63	12	17	678	30	6	133	6	2957	59	17	66	85
31044	0.67	11	20	670	44	7	140	12	3243	60	17	56	95
31045	0.70	9	18	369	22	5	146	7	2693	54	12	52	73
31046	0.79	12	12	416	14	5	135	<2	2750	53	13	55	78
31052	1.11	12	16	566	16	6	196	6	3337	65	14	45	78
31054	0.51	7	8	313	18	3	182	7	2167	49	8	43	50

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CORR	MEAS	PH	CT-F
31055	M	35	34.081	105.714	2	15	04/28/78	11	21.0					
31056	M	35	34.072	105.715	2	15	04/28/78	11	21.0					
31057	M	35	34.037	105.729	2	15	04/28/78	11	21.0					
31058	M	35	34.034	105.729	2	15	04/28/78	11	22.0					
31059	M	35	34.027	105.731	2	15	04/28/78	12	22.0					
31060	M	35	34.121	105.776	2	15	04/28/78	12	23.0					
31061	M	35	34.113	105.781	2	15	04/28/78	12	23.0					
31065	M	35	34.086	105.850	2	15	04/28/78	13	23.0					
31066	M	35	34.083	105.850	2	15	04/28/78	13	23.0					
31068	M	35	34.059	105.805	2	15	04/28/78	13	23.0					
31069	M	35	34.057	105.802	2	15	04/28/78	14	23.0					
31071	M	35	34.081	105.872	2	15	04/28/78	14	23.0					
31072	M	35	34.081	105.919	2	15	04/28/78	14	23.0					
31073	M	35	34.076	105.953	2	15	04/28/78	15	23.0					
31074	M	35	34.074	105.976	2	15	04/28/78	14	24.0					
31075	M	35	34.055	105.971	2	15	04/28/78	14	23.0					
31077	M	35	34.018	105.949	2	15	04/28/78	15	23.0					
31078	M	35	34.036	105.944	2	15	04/28/78	13	23.0					
31079	M	35	34.036	105.945	2	15	04/28/78	13	23.0					
31082	M	35	34.101	105.933	2	15	05/23/78	17	27.0					
31085	M	35	34.049	105.889	2	15	05/23/78	18	25.0					
31086	M	35	34.064	105.932	2	15	05/23/78	18	25.0					
31087	M	35	34.023	105.872	2	15	05/23/78	19	24.0					
31090	M	35	34.009	105.828	2	15	05/24/78	11	24.0					
31091	M	35	34.010	105.829	2	15	05/24/78	11	25.0					
31092	M	35	34.028	105.840	2	15	03/24/78	11	25.0					
31093	M	35	34.028	105.839	2	15	05/24/78	11	25.0					
31096	M	35	34.005	105.752	2	15	05/24/78	13	26.0					
31097	M	35	34.015	105.782	2	15	05/24/78	13	26.0					
31098	M	35	34.024	105.735	2	15	05/24/78	13	26.0					
31099	M	35	34.037	105.746	2	15	05/24/78	14	26.0					
31101	M	35	34.217	105.559	2	15	05/24/78	16	26.0					
31102	M	35	34.216	105.558	2	15	05/24/78	16	26.0					
31109	M	35	34.234	105.620	2	15	05/25/78	10	24.0					
31110	M	35	34.240	105.599	2	15	05/25/78	10	25.0					
31111	M	35	34.173	105.615	2	15	05/25/78	11	26.0					
31112	M	35	34.174	105.613	2	15	05/25/78	11	26.0					
31114	M	35	34.170	105.612	2	15	05/25/78	11	26.0					
31115	M	35	34.151	105.622	2	15	05/25/78	13	27.0					
31116	M	35	34.147	105.611	2	15	05/25/78	13	27.0					
31118	M	35	34.128	105.556	2	15	05/25/78	14	28.0					
31119	M	35	34.109	105.545	2	15	05/25/78	14	28.0					
31120	M	35	34.109	105.544	2	15	05/25/78	14	28.0					
31122	M	35	34.098	105.519	2	15	05/25/78	14	28.0					
31124	M	35	34.082	105.545	2	15	05/25/78	15	29.0					
31125	M	35	34.093	105.509	2	15	05/25/78	15	29.0					
31126	M	35	34.192	105.503	2	15	05/25/78	18	25.0					
31127	M	35	34.192	105.507	2	15	05/25/78	18	25.0					
31133	M	35	34.139	105.457	2	15	05/26/78	11	28.0					
31134	M	35	34.141	105.453	2	15	05/26/78	11	28.0					
31141	M	35	34.127	105.400	2	15	06/01/78	14	26.0					
31143	M	35	34.137	105.397	2	15	06/01/78	15	26.0					
31144	M	35	34.147	105.401	2	15	06/01/78	15	27.0					
31149	M	35	34.186	105.440	2	15	06/02/78	10	20.0					
31155	M	35	34.230	105.463	2	15	06/02/78	13	20.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
31055	3	4	3	1	4	6			4	1	2.50	<2	5.32	22
31056	3	11	1	1	5	6			3	1	2.60	2	4.46	13
31057	3	13	1	1	5	6			2	1	2.50	<2	5.66	32
31058	3	11	1	1	5	6			2	1	2.50	<2	5.74	37
31059	3	11	1	6	5	6			3	1	2.20	<2	3.91	22
31060	3	13	1	1	5	6			2	1	2.80	<2	5.25	14
31061	3	11	1	6	5	6			2	1	2.70	<2	4.56	24
31065	3	2	3	1	4	1			3	1	2.60	<2	4.79	24
31066	3	11	3	1	4	1			3	1	2.50	<2	5.09	22
31068	3	6	3	6	5	6			2	1	2.60	<2	5.42	29
31069	3	9	3	6	5	6			3	1	2.60	<2	5.29	29
31071	3	16	1	6	5	6			2	1	2.60	<2	5.04	18
31072	3	6	1	6	5	6			2	1	2.30	<2	5.12	18
31073	3	12	1	6	5	6			2	1	2.00	<2	3.99	18
31074	3	9	1	6	5	6			2	1	2.20	<2	5.49	25
31075	3	5	1	6	5	6			2	1	2.30	<2	5.28	27
31077	3	11	3	7	5	6			2	1	2.20	<2	5.31	24
31078	3	11	3	1	5	6			2	1	2.30	<2	5.35	26
31079	3	9	3	1	5	6			2	1	2.30	<2	4.87	15
31082	3	9	1	6	5	6			2	1	1.50	<2	4.02	19
31085	3	6	1	6	5	6			2	1	2.40	<2	5.61	17
31086	3	17	1	6	5	6			2	1	2.30	<2	5.79	30
31087	3	9	1	6	5	6			2	1	2.50	<2	5.06	23
31090	3	9	1	6	5	6			2	1	2.20	<2	5.46	32
31091	3	5	1	6	5	6			2	1	2.20	<2	4.92	19
31092	3	9	1	6	5	6			2	1	2.30	<2	4.84	15
31093	3	13	1	6	5	6			2	1	2.30	<2	5.45	21
31096	3	11	1	6	5	6			2	1	2.40	<2	5.41	16
31097	3	11	1	6	5	6			2	1	2.30	<2	5.45	24
31098	3	11	1	6	5	6			2	1	2.20	<2	6.04	26
31099	3	15	1	6	5	6			2	1	2.40	<2	5.63	22
31101	3	18	1	6	5	6			2	1	2.20	<2	4.86	23
31102	3	6	1	6	5	6			2	1	2.40	<2	5.70	16
31109	3	6	1	6	5	6			2	2	2.40	<2	5.06	23
31110	3	5	1	6	5	6			2	2	2.30	<2	6.09	16
31111	3	8	1	6	5	6			2	2	2.30	<2	5.35	12
31112	3	9	1	6	5	6			2	2	2.50	2	4.43	13
31114	3	5	1	6	4	6			2	2	2.00	<2	3.72	18
31115	3	15	1	6	5	6			2	2	2.50	<2	5.85	22
31116	3	5	1	6	5	6			2	2	2.30	<2	3.53	11
31118	3	8	1	6	4	6			3	2	2.00	<2	3.50	14
31119	3	8	1	7	5	6			3	2	2.60	<2	6.02	31
31120	3	9	1	6	5	6			3	2	1.90	<2	4.18	27
31122	3	5	1	6	5	6			3	2	2.50	<2	6.18	33
31124	3	3	1	6	5	6			2	2	2.50	<2	5.54	14
31125	3	6	1	6	5	6			2	2	1.60	<2	3.79	14
31126	3	4	1	6	5	6			3	2	2.40	<2	4.19	16
31127	3	4	1	6	5	6			3	2	2.20	<2	4.73	23
31133	3	6	1	6	5	6			3	1	2.40	<2	4.73	19
31134	3	3	1	6	5	6			3	2	2.00	<2	1.73	14
31141	3	6	1	6	5	6			2	2	2.50	<2	5.83	25
31143	3	5	1	6	5	6			2	2	2.70	<2	6.24	16
31144	3	3	1	6	5	6			2	2	2.10	2	3.63	16
31149	3	5	1	6	5	6			2	3	2.50	<2	4.74	12
31155	3	11	1	6	5	6			2	3	2.40	<2	5.16	19

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31055	492	2	5.42	56	8	35	24	2.36	28	1.10	27	27	1.38	479	4
31056	472	1	7.40	55	7	27	20	2.20	<15	1.09	24	25	1.52	442	<4
31057	529	2	2.50	62	9	41	32	2.71	<15	1.42	28	27	1.18	584	<4
31058	513	2	1.58	54	8	38	24	2.48	<15	1.52	25	25	1.31	550	<4
31059	405	1	1.01	32	4	21	14	1.32	<15	1.35	14	16	0.64	239	<4
31060	576	2	1.97	68	7	30	18	2.29	<15	1.33	31	22	0.63	519	<4
31061	525	1	4.74	66	8	34	17	2.29	<15	1.19	28	22	0.89	418	<4
31065	537	1	5.23	55	9	41	20	3.02	<15	1.10	25	24	1.44	485	<4
31066	570	1	4.57	50	7	30	22	2.00	<15	1.30	23	23	0.87	379	<4
31068	507	1	6.02	48	6	32	22	2.23	<15	1.39	22	26	1.35	413	<4
31069	512	1	2.45	53	7	33	20	2.19	<15	1.45	24	23	1.04	490	<4
31071	579	1	3.63	63	8	34	18	2.19	<15	1.28	30	23	1.03	441	<4
31072	522	1	2.62	44	6	29	21	1.98	<15	1.56	19	25	0.93	491	<4
31073	469	1	5.87	31	4	22	14	1.44	<15	1.34	13	21	1.18	253	<4
31074	543	2	1.51	56	7	32	20	2.22	<15	1.46	25	24	0.89	557	<4
31075	493	1	3.61	50	7	30	20	2.20	<15	1.34	23	27	1.15	485	<4
31077	521	1	4.51	42	7	31	20	2.17	<15	1.38	20	28	1.11	475	<4
31078	439	1	6.81	40	7	29	27	2.19	<15	1.38	18	35	1.43	475	<4
31079	482	1	4.61	47	6	29	22	2.01	<15	1.28	20	27	1.18	441	<4
31082	492	1	1.72	30	4	21	15	1.48	<15	1.52	14	16	0.48	278	<4
31085	574	2	4.56	57	9	39	23	2.31	<15	1.29	27	27	1.15	521	<4
31086	548	2	3.54	55	8	32	24	2.34	<15	1.46	25	27	1.03	506	<4
31087	459	1	6.26	46	8	31	24	2.12	<15	1.26	22	27	1.66	502	<4
31090	487	1	4.70	43	7	32	23	2.21	<15	1.39	19	32	1.36	518	<4
31091	496	1	3.83	38	5	27	18	1.91	<15	1.31	16	26	1.00	388	<4
31092	477	1	5.01	47	6	29	21	1.97	<15	1.31	21	26	1.05	413	<4
31093	483	1	4.92	49	7	32	24	2.28	<15	1.34	23	32	1.31	568	<4
31096	510	1	3.37	48	6	30	24	2.12	<15	1.36	22	27	1.11	494	<4
31097	506	1	3.39	51	6	30	35	2.14	<15	1.45	23	29	1.11	494	<4
31098	546	2	3.00	60	8	34	39	2.42	20	1.47	27	28	1.06	537	<4
31099	530	2	3.59	58	8	35	37	2.24	<15	1.45	27	29	1.01	503	<4
31101	449	1	0.63	49	6	28	28	1.85	<15	1.29	22	25	0.43	373	<4
31102	525	2	0.56	54	8	31	32	2.14	<15	1.59	25	28	0.45	466	<4
31109	515	1	2.85	48	6	27	18	2.00	<15	1.31	21	23	0.53	356	<4
31110	535	2	2.55	58	8	36	24	2.49	<15	1.39	27	27	0.77	502	<4
31111	518	1	0.50	49	7	29	32	2.02	<15	1.44	24	23	0.42	409	<4
31112	469	1	0.45	57	6	28	30	1.85	17	1.24	26	18	0.38	379	<4
31114	385	1	0.69	45	6	24	28	1.55	<15	1.02	20	16	0.33	293	<4
31115	574	2	0.89	60	7	32	35	2.24	<15	1.48	30	25	0.54	379	<4
31116	396	1	0.53	45	6	23	31	1.42	<15	1.11	21	14	0.28	289	<4
31118	411	1	0.31	31	4	19	11	1.10	<15	1.27	16	15	0.23	240	<4
31119	550	2	0.64	47	6	31	21	2.17	<15	1.69	24	26	0.51	471	<4
31120	403	1	0.56	33	5	22	28	1.44	<15	1.33	17	19	0.35	304	<4
31122	556	2	0.87	56	8	34	37	2.34	<15	1.64	26	27	0.61	508	<4
31124	517	2	0.57	56	7	33	33	2.24	15	1.36	26	23	0.50	486	<4
31125	419	1	0.38	27	4	20	26	1.19	<15	1.28	12	16	0.28	238	<4
31126	417	1	0.55	42	6	25	14	1.56	<15	1.18	20	19	0.37	358	<4
31127	445	1	0.52	45	7	26	17	1.74	<15	1.28	22	21	0.41	422	<4
31133	422	1	0.94	43	5	27	16	1.91	<15	1.29	20	23	0.40	311	<4
31134	162	<1	0.23	11	<4	12	18	0.59	<15	0.56	7	11	0.14	105	<4
31141	528	2	1.11	51	7	33	34	2.30	<15	1.45	24	27	0.59	443	<4
31143	580	2	0.64	56	8	35	38	2.43	<15	1.63	28	29	0.57	557	<4
31144	415	1	0.53	42	6	24	25	1.48	<15	0.94	20	16	0.32	340	<4
31149	454	1	0.38	47	7	28	17	1.85	<15	1.32	22	22	0.39	459	<4
31155	485	1	0.74	47	6	29	20	1.90	<15	1.45	23	23	0.45	413	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31055	0.46	12	21	534	32	6	169	13	2558	62	13	62	68
31056	0.76	15	15	637	37	4	210	5	2322	59	11	66	57
31057	0.89	11	19	868	24	6	197	6	3026	72	13	63	71
31058	0.75	9	19	687	23	6	121	7	2794	62	12	60	75
31059	0.82	5	10	333	15	3	99	4	1808	34	7	30	59
31060	0.89	15	17	381	20	4	153	7	2870	60	12	47	81
31061	0.73	13	15	487	30	4	174	14	2892	64	11	49	73
31065	0.75	14	21	629	15	5	225	8	3779	84	11	56	82
31066	0.78	10	15	477	22	5	172	9	2650	51	11	46	74
31068	0.67	11	16	575	25	5	167	4	2617	53	12	53	69
31069	0.77	11	18	565	27	5	152	6	2867	52	12	53	76
31071	0.89	12	16	498	28	4	190	10	2914	59	11	49	74
31072	0.77	8	15	766	21	4	151	<2	2496	47	11	56	65
31073	0.77	6	12	443	15	3	214	5	1977	39	8	34	53
31074	0.76	10	14	725	26	5	142	10	2603	52	12	58	68
31075	0.61	9	19	644	18	5	141	2	2512	52	12	53	67
31077	0.65	9	17	714	16	5	163	4	2449	52	11	55	63
31078	0.47	8	17	1020	19	5	185	2	2201	50	11	73	58
31079	0.61	9	14	776	33	5	181	11	2399	49	11	56	63
31082	0.72	6	10	739	15	3	138	2	1867	37	8	38	47
31085	0.68	11	28	709	21	5	180	5	2599	55	12	60	67
31086	0.69	11	18	741	31	5	155	9	2661	56	12	60	70
31087	0.57	10	17	763	18	5	186	10	2529	51	12	57	69
31090	0.64	7	15	712	17	5	156	5	2348	51	11	58	60
31091	0.75	7	15	566	<10	4	148	2	2286	47	10	45	62
31092	0.71	9	12	673	18	4	155	8	2461	49	11	51	67
31093	0.60	9	20	817	12	5	150	12	2346	53	12	55	61
31096	0.75	9	16	712	16	5	162	5	2541	51	11	56	69
31097	0.79	10	17	729	24	5	161	4	2587	52	11	63	68
31098	0.76	12	19	684	26	6	166	9	2725	57	13	66	72
31099	0.79	11	20	628	22	5	158	11	2614	56	12	58	69
31101	0.58	8	15	387	21	4	168	9	2477	47	12	45	71
31102	0.76	10	16	499	17	5	156	3	2799	54	14	59	81
31109	0.63	9	13	419	22	4	137	6	2558	50	11	51	71
31110	0.65	11	20	531	58	6	146	7	2883	62	14	70	80
31111	0.79	10	13	320	20	5	132	5	2631	51	12	51	74
31112	0.65	12	11	328	29	4	133	10	2657	48	11	49	75
31114	0.46	9	12	224	29	3	126	8	2036	42	9	38	57
31115	0.76	12	17	551	30	5	141	10	2827	55	15	66	85
31116	0.50	9	17	248	30	3	139	13	2249	39	9	43	68
31118	0.48	5	8	237	25	3	146	6	1600	30	7	29	46
31119	0.77	9	14	512	17	5	182	<2	2810	54	14	60	81
31120	0.46	6	10	324	14	4	171	5	1792	36	9	42	53
31122	0.65	10	19	554	23	6	192	4	2756	57	15	70	78
31124	0.63	10	13	364	25	5	171	9	2967	59	14	60	83
31125	0.59	5	11	239	10	3	133	<2	1648	30	7	36	48
31126	0.60	8	10	322	20	3	150	4	2236	40	11	40	64
31127	0.59	7	12	389	17	4	161	7	2326	44	12	45	70
31133	0.50	8	14	274	15	4	133	6	2461	50	11	44	73
31134	0.15	<4	5	137	10	1	108	5	761	15	3	20	25
31141	0.59	9	13	470	21	5	182	7	2681	56	14	65	76
31143	0.70	11	18	576	31	6	176	7	2886	59	15	76	80
31144	0.44	9	11	235	17	3	143	5	2006	39	9	39	55
31149	0.63	9	11	281	14	4	133	6	2527	49	12	43	70
31155	0.71	8	13	563	24	4	164	6	2627	48	13	49	78

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
31156	M	35	34.234	105.463	2	15	06/02/78	13	20.0					
31157	M	35	34.213	105.466	2	15	06/02/78	14	19.0					
31158	M	35	34.202	105.419	2	15	06/02/78	14	19.0					
31159	M	35	34.216	105.413	2	15	06/02/78	15	20.0					
31162	M	35	34.069	105.556	2	15	06/03/78	12	24.0					
31164	M	35	34.062	105.468	2	15	06/03/78	13	25.0					
31165	M	35	34.045	105.462	2	15	06/03/78	13	25.0					
31166	M	35	34.049	105.469	2	15	06/03/78	13	26.0					
31168	M	35	34.041	105.449	2	15	06/03/78	14	26.0					
31169	M	35	34.041	105.451	2	15	06/03/78	14	26.0					
31173	M	35	34.049	105.415	2	15	06/03/78	15	26.0					
31174	M	35	34.051	105.414	2	15	06/03/78	15	26.0					
31176	M	35	34.028	105.387	2	15	06/03/78	15	26.0					
31178	M	35	34.080	105.338	2	15	06/03/78	16	28.0					
31180	M	35	34.010	105.259	2	15	06/03/78	17	25.0					
31181	M	35	34.018	105.267	2	15	06/03/78	17	25.0					
31183	M	35	34.022	105.303	2	15	06/03/78	18	25.0					
31184	M	35	34.036	105.307	2	15	06/03/78	18	25.0					
31185	M	35	34.044	105.334	2	15	06/03/78	18	25.0					
31186	M	35	34.033	105.334	2	15	06/03/78	18	25.0					
31187	M	35	34.070	105.338	2	15	06/03/78	18	25.0					
31198	M	35	34.098	105.406	2	15	06/20/78	18	26.0					
31199	M	35	34.090	105.342	2	15	06/20/78	18	25.0					
31200	M	35	34.089	105.342	2	15	06/20/78	18	25.0					
31202	M	35	34.068	105.373	2	15	06/20/78	18	25.0					
31203	M	35	34.073	105.377	2	15	06/20/78	19	24.0					
31205	M	35	34.082	105.326	2	15	06/20/78	20	25.0					
31211	M	35	34.068	105.265	2	15	06/21/78	15	34.0					
31212	M	35	34.074	105.267	2	15	06/21/78	15	35.0					
31213	M	35	34.096	105.251	2	15	06/21/78	15	35.0					
31217	M	35	34.073	105.181	2	15	06/21/78	17	34.0					
31219	M	35	34.028	105.151	2	15	06/21/78	17	34.0					
31221	M	35	34.004	105.187	2	15	06/21/78	18	34.0					
31222	M	35	34.005	105.188	2	15	06/21/78	18	34.0					
31224	M	35	34.036	105.194	2	15	06/21/78	18	33.0					
31225	M	35	34.039	105.152	2	15	06/21/78	19	33.0					
31227	M	35	34.078	105.149	2	15	06/21/78	19	32.0					
31228	M	35	34.932	105.550	2	15	06/27/78	11	31.0					
31230	M	35	34.102	105.156	2	15	06/22/78	14	35.0					
31231	M	35	34.097	105.157	2	15	06/22/78	14	35.0					
31232	M	35	34.092	105.159	2	15	06/22/78	14	35.0					
31233	M	35	34.121	105.172	2	15	06/22/78	15	35.0					
31235	M	35	34.119	105.192	2	15	06/22/78	15	38.0					
31236	M	35	34.113	105.154	2	15	06/22/78	15	38.0					
31240	M	35	34.106	105.044	2	15	06/22/78	17	36.0					
31242	M	35	34.048	105.057	2	15	06/22/78	18	35.0					
31243	M	35	34.006	105.076	2	15	06/22/78	18	35.0					
31244	M	35	34.006	105.086	2	15	06/22/78	18	34.0					
31247	M	35	34.937	105.540	2	15	06/27/78	11	31.0					
31249	M	35	34.896	105.571	2	15	06/27/78	11	32.0					
31251	M	35	34.901	105.607	2	15	06/27/78	12	32.0					
31252	M	35	34.900	105.606	2	15	06/27/78	12	32.0					
31253	M	35	34.858	105.595	2	15	06/27/78	13	32.0					
31257	M	35	34.941	105.331	2	15	06/27/78	17	26.0					
31259	M	35	34.794	105.566	2	15	06/28/78	8	22.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
31156	3	4	1	6	5	6			2	3	2.00	<2	3.46	25
31157	3	6	1	6	5	6			2	3	2.40	<2	4.73	16
31158	3	9	1	6	5	6			2	3	2.20	<2	4.09	11
31159	3	6	1	6	5	6			1	3	2.40	<2	4.82	21
31162	3	11	1	6	5	6			2	2	2.70	<2	6.26	23
31164	3	10	1	6	5	6			2	2	2.30	<2	4.83	19
31165	3	4	1	6	5	6			2	2	2.50	<2	4.62	18
31166	3	8	1	6	5	6			2	2	2.50	<2	6.06	26
31168	3	6	1	6	5	6			2	2	2.50	<2	5.58	22
31169	3	9	1	6	5	6			2	2	3.10	<2	4.33	16
31173	3	5	1	6	5	6			1	1	2.60	<2	5.35	26
31174	3	5	1	6	5	6			1	1	2.30	<2	4.65	20
31176	3	11	1	6	5	6			2	1	2.40	<2	5.30	22
31178	3	6	1	6	5	6			1	1	2.00	<2	4.93	33
31180	3	6	1	6	5	6			2	1	2.40	<2	4.56	20
31181	3	11	1	6	5	6			2	1	2.20	<2	5.74	23
31183	3	5	1	6	4	6			2	1	2.10	<2	3.17	24
31184	3	8	1	6	5	6			2	1	2.20	<2	5.91	26
31185	3	11	1	6	5	6			2	1	2.40	<2	4.43	16
31186	3	9	1	6	5	6			2	1	2.30	<2	5.27	22
31187	3	5	1	6	5	6			2	1	2.50	<2	5.96	28
31198	3	11	1	6	5	6			2	1	2.70	<2	4.98	19
31199	3	4	1	6	5	6			2	1	2.70	<2	6.90	27
31200	3	8	1	6	5	6			2	1	2.40	<2	4.71	<10
31202	3	4	1	6	5	6			2	1	2.40	<2	5.32	16
31203	3	5	1	6	5	6			2	3	2.80	<2	4.30	15
31205	3	11	1	6	5	6			2	1	2.20	<2	5.00	21
31211	3	3	1	6	5	6			2	1	2.10	<2	3.84	18
31212	3	11	1	6	5	6			2	1	2.50	<2	5.31	15
31213	3	6	1	6	5	6			2	1	2.50	<2	6.42	23
31217	3	11	1	6	5	6			1	1	2.60	<2	6.65	29
31219	3	3	1	6	4	6			2	1	2.50	<2	4.30	20
31221	3	6	1	6	4	6			1	1	2.40	<2	5.05	25
31222	3	63	1	6	5	6			1	1	2.30	<2	5.18	28
31224	3	3	1	6	4	1			2	1	0.60	<2	0.73	<10
31225	3	4	1	6	5	6			2	1	2.40	<2	5.12	23
31227	3	11	1	6	5	6			2	1	2.30	<2	4.67	19
31228	3	5	1	6	5	6			1	3	2.50	<2	4.91	17
31230	3	4	1	6	5	6			2	1	2.00	<2	3.81	12
31231	3	9	1	6	5	6			2	1	2.40	<2	5.92	28
31232	3	5	1	6	5	6			2	1	2.50	<2	4.85	22
31233	3	6	1	6	5	6			2	1	2.10	<2	4.84	18
31235	3	4	1	6	5	6			2	1	2.20	<2	5.35	21
31236	3	6	1	6	5	6			2	1	2.30	<2	5.16	22
31240	3	5	1	6	5	6			1	1	2.30	<2	5.12	24
31242	3	4	1	6	5	6			2	1	2.30	<2	5.43	28
31243	3	4	1	6	5	6			2	1	2.80	<2	3.90	17
31244	3	13	1	6	5	6			2	1	2.40	<2	6.24	25
31247	3	6	1	6	5	6			1	3	2.80	<2	5.28	20
31249	3	11	1	6	5	6			2	2	2.40	<2	5.31	31
31251	3	9	1	6	5	6			2	2	2.30	<2	5.62	32
31252	3	6	1	6	5	6			2	2	2.40	<2	4.73	25
31253	3	4	1	6	5	6			2	2	2.30	<2	3.96	21
31257	3	18	1	6	5	6			2	3	2.20	<2	6.33	24
31259	3	15	1	6	5	6			2	2	2.10	<2	4.12	17

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31156	311	1	0.87	29	<4	21	25	1.31	<15	1.04	14	17	0.33	244	<4
31157	475	1	0.43	52	7	26	19	1.82	<15	1.25	24	20	0.36	481	<4
31158	417	1	0.40	40	5	22	15	1.56	<15	1.20	18	18	0.30	368	<4
31159	451	1	0.68	53	7	28	21	1.94	<15	1.30	24	20	0.45	468	<4
31162	507	2	0.91	70	11	43	30	2.93	<15	1.31	33	26	0.84	596	<4
31164	451	1	0.57	51	7	31	19	2.07	<15	1.29	24	20	0.47	416	<4
31165	445	1	2.07	47	7	29	21	2.05	<15	1.15	22	18	0.77	382	<4
31166	493	2	0.79	59	10	37	26	2.68	<15	1.40	30	26	0.70	518	<4
31168	483	2	3.01	57	9	34	25	2.46	<15	1.25	26	24	0.94	480	<4
31169	414	1	2.60	54	6	32	21	2.23	<15	1.13	23	17	0.83	405	<4
31173	477	1	1.51	50	8	33	24	2.32	<15	1.29	26	21	0.78	503	<4
31174	456	1	0.74	43	6	28	19	1.94	<15	1.33	22	18	0.49	372	<4
31176	485	1	3.20	53	7	32	23	2.43	<15	1.30	25	22	0.80	428	<4
31178	622	1	3.57	48	10	42	20	2.52	<15	0.82	18	20	1.08	615	<4
31180	471	1	5.20	49	7	27	18	2.07	<15	1.12	22	20	0.70	342	<4
31181	483	1	3.98	53	8	31	23	2.45	<15	1.44	24	27	0.86	470	<4
31183	386	1	4.18	37	5	21	14	1.61	<15	1.07	16	14	0.37	229	<4
31184	506	2	7.03	52	9	32	28	2.53	<15	1.24	24	28	0.82	428	<4
31185	454	1	3.69	43	6	27	18	2.16	<15	1.28	20	21	0.53	346	<4
31186	498	1	3.78	57	9	31	24	2.38	<15	1.25	26	24	0.78	399	<4
31187	499	2	1.30	59	10	37	39	2.66	<15	1.38	29	25	0.77	573	<4
31198	494	1	0.52	43	6	28	16	1.99	<15	1.40	21	21	0.40	355	<4
31199	696	2	0.73	65	11	40	29	2.99	<15	1.53	31	30	0.77	683	<4
31200	487	1	2.19	44	7	27	17	2.04	21	1.29	20	22	0.53	355	<4
31202	496	1	2.62	47	8	29	22	2.11	15	1.46	22	24	0.71	386	<4
31203	438	1	1.11	39	6	28	16	2.02	<15	1.24	21	15	0.44	342	<4
31205	487	1	1.54	49	7	28	19	2.05	<15	1.32	23	22	0.60	382	<4
31211	419	1	1.39	39	5	25	13	1.59	<15	1.25	18	16	0.42	230	<4
31212	488	1	3.49	51	8	30	21	2.18	<15	1.41	23	24	0.84	361	<4
31213	517	2	0.79	62	9	35	24	2.68	18	1.71	28	28	0.70	582	<4
31217	537	2	0.72	63	9	35	31	2.66	<15	1.78	30	29	0.74	630	<4
31219	430	1	4.21	47	8	48	19	3.07	17	1.14	22	21	0.68	460	<4
31221	475	1	5.04	46	6	27	20	2.11	<15	1.44	20	26	0.76	390	<4
31222	469	1	6.50	59	8	31	22	2.30	<15	1.27	25	26	0.89	459	<4
31224	66	<1	0.97	11	<4	9	55	0.60	<15	0.22	4	6	0.18	71	<4
31225	497	1	3.20	56	7	30	21	2.22	<15	1.41	24	22	0.71	403	<4
31227	483	1	5.84	41	6	25	18	1.91	<15	1.34	18	27	0.89	331	<4
31228	520	1	0.39	48	6	24	18	1.81	<15	1.59	23	20	0.37	418	<4
31230	415	1	0.96	37	5	22	14	1.52	<15	1.23	18	16	0.40	261	<4
31231	509	2	2.92	58	9	33	25	2.54	<15	1.35	28	26	0.86	510	<4
31232	478	1	4.42	50	7	28	20	2.07	<15	1.30	22	23	0.95	401	<4
31233	467	1	1.32	50	7	27	19	2.02	<15	1.30	23	21	0.49	336	<4
31235	444	1	0.85	57	8	31	21	2.37	<15	1.23	28	23	0.63	465	<4
31236	474	1	2.10	50	7	28	20	2.17	<15	1.39	23	23	0.59	392	<4
31240	491	1	3.12	55	7	28	21	2.15	<15	1.42	24	24	0.75	461	<4
31242	452	1	3.58	59	7	32	21	2.50	<15	1.41	26	25	0.78	430	<4
31243	430	1	3.89	44	6	27	15	1.96	24	1.32	20	18	0.55	287	<4
31244	514	2	3.34	63	9	36	26	2.64	<15	1.51	29	30	0.98	485	<4
31247	541	1	0.46	50	7	27	21	2.01	<15	1.63	24	23	0.39	529	<4
31249	481	1	0.60	53	8	33	21	2.23	<15	1.52	25	28	0.83	478	<4
31251	458	1	0.64	55	7	33	22	2.30	<15	1.76	26	30	0.85	508	<4
31252	465	1	0.46	47	7	28	19	1.90	<15	1.46	22	24	0.64	433	<4
31253	431	1	2.01	33	5	23	11	1.52	15	1.26	14	23	0.74	234	<4
31257	552	1	1.05	45	8	29	20	2.50	<15	1.82	22	30	0.59	418	<4
31259	479	1	0.36	32	<4	14	12	1.14	<15	1.74	15	20	0.39	240	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31156	0.42	4	10	317	11	3	177	3	1843	32	8	38	56
31157	0.68	8	11	297	13	5	145	6	2219	46	13	47	60
31158	0.58	5	12	336	14	4	152	2	1724	39	12	46	59
31159	0.56	8	10	621	23	5	160	7	2150	47	14	63	60
31162	0.54	12	21	759	39	8	208	11	2889	71	18	99	78
31164	0.56	9	13	422	23	5	155	3	2298	51	13	86	61
31165	0.60	8	17	428	19	5	181	4	2327	50	11	54	58
31166	0.55	11	17	572	34	7	179	6	2742	64	17	75	74
31168	0.55	11	16	653	22	6	193	7	2383	57	13	66	62
31169	0.55	10	15	535	22	5	184	8	2556	58	11	55	61
31173	0.55	9	15	712	31	6	175	6	2426	55	14	71	66
31174	0.62	7	12	414	16	4	148	6	2264	50	12	52	60
31176	0.56	11	19	588	25	6	169	8	2574	56	13	64	66
31178	0.78	7	37	364	18	6	293	6	2621	74	11	36	55
31180	0.59	12	12	378	15	5	150	8	2357	52	12	46	61
31181	0.51	10	15	645	17	6	138	4	2295	54	14	67	60
31183	0.56	9	6	291	17	3	129	6	2072	44	8	35	45
31184	0.46	11	20	717	19	6	165	5	2281	55	15	65	61
31185	0.60	10	13	397	15	4	143	5	2406	54	11	46	61
31186	0.49	11	64	382	16	6	148	8	2353	57	14	55	60
31187	0.51	10	25	671	44	7	186	12	2463	61	16	98	69
31198	0.74	9	12	286	28	5	150	6	2381	50	11	47	63
31199	0.57	11	22	608	36	8	224	11	2697	66	19	84	76
31200	0.62	8	16	336	20	4	179	4	2215	49	11	47	55
31202	0.74	11	16	511	26	5	222	<2	2259	51	11	59	56
31203	0.63	10	21	354	20	4	153	<2	2533	51	11	59	62
31205	0.61	9	15	437	27	5	172	5	2127	49	13	54	58
31211	0.62	9	19	256	14	3	145	5	1955	42	8	45	46
31212	0.63	11	17	520	23	5	180	7	2268	53	12	57	56
31213	0.65	10	20	484	25	7	128	7	2638	58	17	68	72
31217	0.70	10	23	507	23	7	148	8	2682	59	17	76	73
31219	0.52	10	16	449	21	4	162	6	2876	94	11	59	56
31221	0.68	11	13	514	15	5	146	3	2274	50	12	54	59
31222	0.53	12	18	548	32	5	144	13	2279	54	13	60	59
31224	0.06	<4	22	98	14	1	75	2	385	13	2	30	12
31225	0.61	11	13	546	25	5	148	16	2453	52	12	58	60
31227	0.66	11	14	456	22	4	173	8	2121	48	11	47	54
31228	0.66	6	14	379	22	5	120	9	2116	45	13	48	63
31230	0.58	7	9	311	14	3	116	7	1851	38	9	37	47
31231	0.51	11	20	684	32	7	150	11	2343	56	16	70	67
31232	0.64	12	15	754	19	5	163	7	2301	49	12	56	60
31233	0.53	9	16	403	21	5	126	8	2109	46	12	52	57
31235	0.42	9	16	447	24	6	123	8	2301	52	14	59	63
31236	0.59	9	19	431	15	5	125	3	2345	52	13	51	62
31240	0.59	10	17	659	24	5	136	7	2237	50	13	59	61
31242	0.47	12	17	608	28	6	122	11	2538	58	13	61	63
31243	0.67	11	9	379	19	4	148	7	2615	53	10	41	63
31244	0.55	11	18	775	19	7	171	12	2451	58	16	77	66
31247	0.72	9	15	381	23	5	127	6	2496	50	15	46	73
31249	0.58	9	19	506	20	5	106	4	2266	50	13	56	70
31251	0.67	10	18	592	26	6	115	8	2306	50	14	63	72
31252	0.68	9	14	443	25	5	110	6	2247	44	11	47	69
31253	0.90	6	12	268	12	3	101	3	1637	40	7	32	70
31257	0.60	9	13	380	13	6	108	5	2381	57	13	54	58
31259	0.80	6	6	329	16	3	93	6	1370	27	7	30	40

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONN	MEAS	PH	CT-F
31260	M	35	34.753	105.590	2	15	06/28/78	9	22.0					
31261	M	35	34.752	105.591	2	15	06/28/78	9	22.0					
31264	M	35	34.815	105.548	2	15	06/28/78	10	22.0					
31265	M	35	34.812	105.544	2	15	06/28/78	10	23.0					
31266	M	35	34.821	105.542	2	15	06/28/78	11	25.0					
31267	M	35	34.827	105.532	2	15	06/28/78	11	25.0					
31268	M	35	34.831	105.529	2	15	06/28/78	11	26.0					
31269	M	35	34.888	105.510	2	15	06/28/78	11	26.0					
31270	M	35	34.805	105.471	2	15	06/28/78	12	25.0					
31271	M	35	34.806	105.470	2	15	06/28/78	12	25.0					
31273	M	35	34.793	105.433	2	15	06/28/78	12	25.0					
31274	M	35	34.889	105.472	2	15	06/28/78	13	26.0					
31275	M	35	34.902	105.426	2	15	06/28/78	14	25.0					
31276	M	35	34.902	105.425	2	15	06/28/78	14	26.0					
31277	M	35	34.886	105.418	2	15	06/28/78	14	26.0					
31279	M	35	34.879	105.372	2	15	06/28/78	15	26.0					
31280	M	35	34.929	105.481	2	15	06/28/78	16	25.0					
31281	M	35	34.936	105.475	2	15	06/28/78	16	25.0					
31283	M	35	34.647	105.539	2	15	06/28/78	18	25.0					
31284	M	35	34.645	105.539	2	15	06/28/78	18	25.0					
31290	M	35	34.576	105.607	2	15	06/29/78	9	23.0					
31292	M	35	34.589	105.601	2	15	06/29/78	10	24.0					
31300	M	35	34.526	105.549	2	15	06/29/78	12	23.0					
31301	M	35	34.520	105.565	2	15	06/29/78	12	23.0					
31306	M	35	34.506	105.608	2	15	06/29/78	13	21.0					
31310	M	35	34.662	105.580	2	15	06/29/78	15	24.0					
31311	M	35	34.660	105.595	2	15	06/29/78	15	23.0					
31317	M	35	34.719	105.570	2	15	06/29/78	18	23.0					
31318	M	35	34.714	105.570	2	15	06/29/78	18	23.0					
31319	M	35	34.707	105.563	2	15	06/29/78	18	23.0					
31326	M	35	34.729	105.484	2	15	06/30/78	12	27.0					
31330	M	35	34.768	105.416	2	15	06/30/78	13	27.0					
31331	M	35	34.769	105.424	2	15	06/30/78	13	28.0					
31334	M	35	34.751	105.516	2	15	06/30/78	14	28.0					
31335	M	35	34.857	105.357	2	15	06/30/78	16	28.0					
31336	M	35	34.831	105.369	2	15	06/30/78	16	27.0					
31337	M	35	34.811	105.394	2	15	06/30/78	16	28.0					
31338	M	35	34.790	105.387	2	15	06/30/78	17	26.0					
31341	M	35	34.685	105.419	2	15	06/30/78	18	28.0					
31344	M	35	34.701	105.440	2	15	06/30/78	19	26.0					
31346	M	35	34.629	105.237	2	15	07/05/78	15	27.0					
31347	M	35	34.662	105.222	2	15	07/05/78	15	27.0					
31348	M	35	34.672	105.224	2	15	07/05/78	15	27.0					
31349	M	35	34.679	105.220	2	15	07/05/78	16	27.0					
31350	M	35	34.687	105.220	2	15	07/05/78	16	27.0					
31351	M	35	34.702	105.220	2	15	07/05/78	16	27.0					
31352	M	35	34.705	105.220	2	15	07/05/78	16	27.0					
31354	M	35	34.722	105.218	2	15	07/05/78	17	26.0					
31356	M	35	34.682	105.148	2	15	07/05/78	17	29.0					
31359	M	35	34.783	105.246	2	15	07/05/78	19	27.0					
31360	M	35	34.789	105.246	2	15	07/05/78	19	27.0					
31363	M	35	34.788	105.231	2	15	07/05/78	20	25.0					
31369	M	35	34.709	105.029	2	15	07/06/78	13	35.0					
31373	M	35	34.685	105.086	2	15	07/06/78	15	36.0					
31375	M	35	34.609	105.103	2	15	07/06/78	16	36.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-AT	AG	AL	B
31260	3	15	1	6	5	6			2	2	2.60	<2	4.55	15
31261	3	11	1	6	5	6			2	2	2.70	<2	5.69	21
31264	3	5	1	6	5	6			2	2	2.10	<2	6.06	32
31265	3	12	1	6	5	6			2	2	2.20	<2	5.83	29
31266	3	13	1	6	5	6			2	2	2.30	<2	4.62	25
31267	3	12	1	6	5	6			2	2	2.20	<2	5.25	30
31268	3	13	1	6	5	6			2	2	2.20	<2	5.37	43
31269	3	8	1	6	5	6			2	2	1.50	<2	3.99	14
31270	3	11	1	6	5	6			2	2	2.60	<2	4.50	<10
31271	3	6	1	6	5	6			2	2	2.10	<2	5.17	42
31273	3	15	1	6	5	6			2	2	2.10	<2	4.98	24
31274	3	8	1	6	5	6			1	2	2.00	<2	3.50	13
31275	3	6	1	6	5	6			2	2	2.40	<2	5.42	11
31276	3	11	1	6	5	6			2	2	2.30	<2	4.81	19
31277		9	1	6	5	6			2	2	2.10	<2	4.11	11
31279	3	5	1	6	4	1			2	3	2.00	<2	2.71	16
31280	3	10	1	6	5	6			2	3	2.40	<2	5.06	16
31281	3	12	1	6	5	6			2	3	2.50	<2	5.47	14
31283	3	9	1	6	5	6			2	3	2.50	<2	4.63	<10
31284	3	4	1	6	5	6			2	3	2.40	<2	4.78	19
31290	3	6	1	6	5	6			1	2	1.90	<2	3.16	10
31292	3	10	1	6	5	6			1	2	2.70	<2	4.74	23
31300	3	8	1	6	5	6			2	3	2.10	<2	4.82	20
31301	3	11	1	6	5	6			1	3	2.10	<2	4.76	25
31306	3	9	1	6	5	6			1	4	2.20	<2	5.39	22
31310	3	6	1	6	5	6			1	3	2.30	<2	4.47	12
31311	3	8	1	6	5	6			1	3	2.40	<2	4.98	16
31317	3	4	1	6	5	6			2	3	2.50	<2	4.50	13
31318	3	10	1	6	5	6			2	3	2.50	<2	4.71	11
31319	3	12	1	6	5	6			2	3	2.40	<2	5.61	15
31326	3	9	1	6	5	6			2	1	2.20	<2	4.61	15
31330	3	6	1	6	5	6			2	2	2.20	<2	5.21	17
31331	3	8	1	6	5	6			2	2	2.20	<2	4.99	10
31334	3	6	1	6	5	6			1	2	2.20	<2	4.53	21
31335	3	4	1	6	5	6			3	2	2.20	<2	4.36	21
31336	3	2	1	6	5	6			3	2	1.90	<2	3.27	10
31337	3	6	1	6	5	6			2	2	2.20	<2	2.84	<10
31338	3	9	1	6	5	6			2	2	2.30	<2	5.06	22
31341	3	15	1	6	5	6			2	2	2.40	<2	5.63	17
31344	3	13	1	6	5	6			2	2	2.60	<2	5.18	19
31346	3	5	1	6	5	6			1	2	2.50	<2	3.78	13
31347	3	4	1	6	5	6			1	2	2.20	<2	4.18	10
31348	3	9	1	6	5	6			1	2	2.50	<2	3.59	<10
31349	3	5	1	6	5	6			1	2	2.30	<2	4.36	11
31350	3	10	1	6	5	6			1	2	2.40	<2	4.94	12
31351	3	4	1	6	5	6			1	2	2.70	<2	4.01	18
31352	3	4	1	6	5	6			1	2	2.40	<2	3.95	15
31354	3	11	1	6	5	6			3	2	2.70	<2	7.24	28
31356	3	12	1	6	5	6			2	2	2.10	<2	4.70	16
31359	3	6	1	6	5	6			1	2	2.40	<2	4.75	12
31360	3	9	1	6	5	6			1	2	2.10	<2	5.04	13
31363	3	5	1	6	5	6			2	2	2.10	<2	3.36	13
31369	3	4	1	6	5	6			2	2	2.30	<2	6.26	21
31373	3	5	1	6	5	6			2	2	2.20	<2	5.34	20
31375	3	9	1	6	5	6			2	2	3.30	<2	4.14	16

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31260	490	1	0.64	39	5	18	14	1.58	<15	1.64	19	21	0.37	305	<4
31261	564	1	0.56	60	8	26	21	2.12	<15	1.72	28	27	0.47	474	<4
31264	535	1	4.98	48	7	32	20	2.31	<15	1.77	21	45	1.17	367	<4
31265	513	1	0.41	49	7	30	18	2.14	<15	1.08	23	35	0.86	435	<4
31266	440	1	0.40	39	5	22	14	1.54	<15	1.74	18	30	0.63	365	<4
31267	444	1	1.09	43	6	28	16	1.81	<15	1.88	18	42	1.05	342	<4
31268	421	1	0.92	40	7	30	17	1.88	<15	2.01	17	47	1.24	365	<4
31269	450	1	0.25	32	<4	14	12	1.15	<15	1.75	15	15	0.24	170	<4
31270	854	1	3.17	51	8	22	20	3.09	<15	1.82	24	20	1.62	817	<4
31271	421	1	1.42	48	7	32	19	1.94	<15	1.65	21	42	1.20	395	<4
31273	456	1	1.00	41	6	23	16	1.60	<15	1.79	18	35	0.76	306	<4
31274	400	1	0.21	38	5	15	11	1.13	<15	1.46	15	17	0.24	243	<4
31275	545	1	0.43	51	6	24	18	1.88	<15	1.72	22	25	0.44	334	<4
31276	499	1	3.30	42	5	22	17	1.75	<15	1.50	18	28	0.74	344	<4
31277	462	1	0.33	38	4	17	12	1.31	16	1.50	18	20	0.27	261	<4
31279	497	1	10.87	30	5	17	19	1.59	<15	0.83	13	17	0.44	418	<4
31280	497	1	2.64	49	6	26	18	1.88	<15	1.57	21	31	0.80	370	<4
31281	537	1	2.31	59	7	30	17	2.05	<15	1.59	25	25	0.70	346	<4
31283	524	1	1.57	43	5	19	14	1.58	<15	1.60	19	22	0.43	288	<4
31284	528	1	1.08	49	6	22	15	1.66	<15	1.54	21	22	0.45	332	<4
31290	587	<1	4.81	20	<4	11	6	0.84	<15	1.22	8	22	0.41	119	<4
31292	517	1	1.78	49	6	24	15	1.81	<15	1.55	20	24	0.58	367	<4
31300	502	1	1.51	46	5	22	17	1.56	<15	1.69	21	26	0.59	275	<4
31301	487	1	1.47	45	5	23	16	1.52	<15	1.75	19	26	0.57	317	<4
31306	517	1	0.68	38	5	24	21	1.86	<15	1.76	19	30	0.47	404	<4
31310	496	1	0.36	32	4	17	12	1.45	<15	1.63	16	19	0.34	260	<4
31311	528	1	0.68	45	5	21	15	1.62	<15	1.71	21	22	0.40	307	<4
31317	486	1	1.03	43	5	20	16	1.45	<15	1.59	19	23	0.39	256	<4
31318	496	1	0.45	45	5	21	15	1.53	<15	1.70	20	21	0.36	343	<4
31319	527	1	0.65	60	7	27	22	1.99	<15	1.78	26	26	0.50	627	<4
31326	499	1	1.34	40	5	21	14	1.49	<15	1.70	17	27	0.53	301	<4
31330	489	1	0.35	51	6	23	19	1.70	<15	1.79	23	28	0.39	341	<4
31331	505	1	0.28	45	5	21	16	1.50	<15	1.87	20	25	0.33	268	<4
31334	480	1	1.31	39	5	19	14	1.36	<15	1.82	17	26	0.59	336	<4
31335	439	1	4.01	35	5	21	16	1.44	<15	1.47	16	26	0.50	264	<4
31336	339	1	0.26	31	4	14	10	1.00	<15	1.34	13	18	0.20	213	<4
31337	819	1	1.90	32	6	11	28	1.95	<15	0.82	13	20	0.19	675	<4
31338	478	1	0.32	50	6	23	16	1.61	<15	1.80	22	31	0.44	243	4
31341	535	1	0.77	48	6	26	18	1.97	<15	1.80	22	30	0.51	400	<4
31344	524	1	0.47	53	7	24	18	1.83	<15	1.68	24	24	0.44	440	<4
31346	432	1	0.26	42	4	17	11	1.23	<15	1.49	18	18	0.24	206	<4
31347	448	1	0.26	45	5	18	13	1.32	<15	1.61	18	22	0.28	229	<4
31348	426	1	0.22	26	<4	13	11	1.04	<15	1.73	11	18	0.19	181	<4
31349	462	1	0.32	42	4	17	14	1.36	<15	1.64	17	22	0.29	246	<4
31350	493	1	0.66	54	6	24	17	1.84	<15	1.68	23	26	0.48	371	<4
31351	413	1	0.31	38	4	21	15	1.71	<15	1.42	17	23	0.32	259	<4
31352	430	1	0.79	31	4	18	14	1.51	<15	1.48	14	22	0.35	223	<4
31354	631	2	0.52	64	10	37	26	2.60	<15	2.02	29	36	0.61	650	<4
31356	491	1	2.14	47	4	21	17	1.56	<15	1.63	19	25	0.70	297	<4
31359	489	1	0.40	51	5	23	16	1.66	<15	1.62	22	23	0.38	314	<4
31360	500	1	0.38	50	6	23	16	1.71	<15	1.68	22	26	0.36	360	<4
31363	416	1	1.16	34	<4	14	10	0.99	<15	1.24	14	17	0.23	202	<4
31369	654	1	0.58	55	8	29	22	2.29	<15	1.84	25	30	0.60	453	<4
31373	516	1	0.53	52	6	24	18	1.82	<15	1.77	23	26	0.48	392	<4
31375	607	1	2.12	44	6	26	13	1.98	<15	1.38	18	24	0.68	340	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31260	0.87	7	6	351	13	4	112	<2	2071	38	10	35	56
31261	0.93	9	14	498	27	6	137	8	2546	50	15	60	70
31264	0.58	7	19	569	15	6	142	7	2054	57	11	57	52
31265	0.73	8	15	395	16	6	99	5	2146	50	12	45	61
31266	0.86	6	9	306	13	4	93	5	1775	36	8	38	53
31267	0.81	7	16	395	19	5	97	7	1808	42	8	42	48
31268	0.75	6	16	492	13	5	98	<2	1832	43	8	45	51
31269	0.61	4	7	283	18	3	86	10	1386	28	7	29	44
31270	1.14	11	9	168	11	4	172	3	3928	93	16	48	49
31271	0.58	7	15	668	26	6	101	11	1745	45	9	54	51
31273	0.81	7	14	412	12	4	108	7	1789	37	9	41	51
31274	0.40	6	10	214	16	3	71	8	1252	28	7	27	39
31275	0.82	8	14	442	14	5	119	5	2126	46	12	45	59
31276	0.73	8	11	385	10	4	137	5	1986	42	10	45	52
31277	0.67	6	9	234	18	3	103	3	1575	32	8	30	47
31279	0.34	9	11	240	11	3	116	5	1435	43	8	29	37
31280	0.61	8	14	517	24	5	154	6	1961	50	11	56	51
31281	0.70	10	17	493	22	5	145	6	2250	53	12	53	56
31283	0.89	7	13	416	11	4	148	<2	1968	38	10	42	51
31284	0.88	9	12	420	20	4	135	6	2050	39	10	44	55
31290	0.66	4	5	125	<10	2	216	<2	1172	26	6	17	30
31292	0.85	9	10	351	10	4	145	6	2182	43	10	40	54
31300	0.92	8	11	411	21	4	135	10	1928	39	10	41	54
31301	0.91	8	43	360	15	4	131	10	1804	38	9	39	50
31306	0.95	9	10	330	10	5	136	4	2153	43	11	43	59
31310	0.80	6	11	228	<10	4	113	<2	1886	34	10	34	51
31311	1.00	9	6	340	<10	4	140	3	2162	40	11	42	58
31317	0.85	8	10	337	18	4	135	2	1863	38	9	38	48
31318	0.96	5	11	356	20	4	126	12	2081	38	11	40	61
31319	0.96	9	14	522	25	6	135	11	2380	48	13	55	65
31326	0.76	8	12	320	21	4	122	3	1712	38	9	38	48
31330	0.70	9	14	448	27	5	113	4	1931	41	12	49	56
31331	0.82	8	9	419	18	4	114	2	1914	38	11	40	53
31334	0.82	7	11	343	17	3	129	3	1491	32	7	40	39
31335	0.69	6	11	313	17	4	147	6	1584	36	9	35	42
31336	0.52	5	6	162	<10	3	101	<2	1233	26	6	23	33
31337	0.55	5	10	421	10	3	177	<2	1394	49	8	48	33
31338	0.83	7	13	328	21	4	102	11	1809	42	10	37	55
31341	0.79	8	15	431	18	5	137	3	2093	46	12	51	57
31344	0.85	9	13	392	30	5	135	7	2088	44	12	50	60
31346	0.67	6	10	223	16	3	90	8	1569	34	8	27	46
31347	0.73	8	12	195	24	3	93	8	1604	34	8	32	47
31348	0.81	5	6	142	<10	3	87	2	1522	26	6	22	45
31349	0.72	6	9	302	21	4	96	10	1623	34	9	35	49
31350	0.76	7	9	358	14	5	102	9	2118	47	11	45	56
31351	0.61	7	9	256	<10	4	84	<2	2184	46	9	32	62
31352	0.59	5	8	236	10	3	83	3	1941	40	8	33	53
31354	0.80	9	18	427	19	8	130	7	2388	68	16	57	61
31356	0.80	8	7	397	15	4	122	7	1845	39	9	43	46
31359	0.81	7	9	299	24	4	110	9	2109	42	10	41	56
31360	0.77	7	13	330	11	5	106	7	1939	43	11	42	52
31363	0.66	4	6	150	12	3	91	5	1366	29	6	23	34
31369	0.70	8	15	465	16	6	101	3	2206	47	14	60	60
31373	0.79	8	8	305	23	5	109	9	1968	43	12	44	54
31375	0.78	8	11	306	16	4	112	3	2488	51	9	38	66

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONM	MEAS	PH	CT-F
31376	M	35	34.577	105.098	2	15	07/06/78	17	35.0					
31378	M	35	34.638	105.293	2	15	07/07/78	10	26.0					
31382	M	35	34.666	105.386	2	15	07/07/78	12	32.0					
31386	M	35	34.739	105.307	2	15	07/07/78	14	34.0					
31388	M	35	34.752	105.347	2	15	07/07/78	14	35.0					
31389	M	35	34.756	105.303	2	15	07/07/78	14	25.0					
31390	M	35	34.800	105.325	2	15	07/07/78	15	36.0					
31391	M	35	34.799	105.324	2	15	07/07/78	15	36.0					
31392	M	35	34.811	105.330	2	15	07/07/78	15	36.0					
31393	M	35	34.816	105.333	2	15	07/07/78	15	36.0					
31394	M	35	34.830	105.332	2	15	07/07/78	15	36.0					
31395	M	35	34.833	105.330	2	15	07/07/78	15	36.0					
31396	M	35	34.696	105.287	2	15	07/07/78	17	34.0					
31397	M	35	34.698	105.287	2	15	07/07/78	17	34.0					
31398	M	35	34.747	105.237	2	15	07/07/78	18	33.0					
31399	M	35	34.569	105.226	2	15	07/08/78	13	36.0					
31400	M	35	34.552	105.226	2	15	07/08/78	13	36.0					
31401	M	35	34.544	105.233	2	15	07/08/78	13	36.0					
31402	M	35	34.594	105.234	2	15	07/08/78	14	36.0					
31404	M	35	34.535	105.095	2	15	07/09/78	10	22.0					
31405	M	35	34.536	105.096	2	15	07/09/78	10	32.0					
31406	M	35	34.537	105.095	2	15	07/09/78	10	32.0					
31407	M	35	34.586	105.129	2	15	07/09/78	11	33.0					
31409	M	35	34.861	105.273	2	15	07/09/78	14	36.0					
31410	M	35	34.861	105.297	2	15	07/09/78	15	37.0					
31411	M	35	34.861	105.299	2	15	07/09/78	15	37.0					
31412	M	35	34.861	105.217	2	15	07/09/78	15	37.0					
31413	M	35	34.867	105.210	2	15	07/09/78	16	37.0					
31414	M	35	34.869	105.188	2	15	07/09/78	16	37.0					
31415	M	35	34.880	105.236	2	15	07/09/78	16	36.0					
31418	M	35	34.929	105.237	2	15	07/09/78	18	31.0					
31419	M	35	34.918	105.241	2	15	07/09/78	18	31.0					
31420	M	35	34.916	105.241	2	15	07/09/78	18	31.0					
31421	M	35	34.835	105.262	2	15	07/09/78	19	31.0					
31426	M	35	34.982	105.082	2	15	07/13/78	16	32.0					
31431	M	35	34.910	105.001	2	15	07/14/78	8	28.0					
31432	M	35	34.898	105.004	2	12	07/14/78	9	31.0	16.0			7.4	2500
31436	M	35	34.795	105.100	2	11	07/15/78	12	35.0	27.0			7.2	1080
31437	M	35	34.896	105.016	2	15	07/15/78	13	35.0					
31442	M	35	34.883	105.067	2	15	07/15/78	14	35.0					
31444	M	35	34.883	105.095	2	15	07/15/78	14	35.0					
31446	M	35	34.884	105.116	2	15	07/15/78	15	36.0					
31447	M	35	34.886	105.115	2	15	07/15/78	15	36.0					
31448	M	35	34.881	105.166	2	15	07/15/78	16	35.0					
31449	M	35	34.880	105.164	2	15	07/15/78	16	35.0					
31451	M	35	34.939	105.264	2	15	07/16/78	8	34.0					
31452	M	35	34.926	105.275	2	15	07/16/78	9	34.0					
31454	M	35	34.945	105.264	2	15	07/16/78	9	35.0					
31459	M	35	34.926	105.233	2	15	07/16/78	11	35.0					
31460	M	35	34.894	105.237	2	15	07/16/78	11	35.0					
31462	M	35	34.984	105.291	2	15	07/16/78	12	35.0					
31463	M	35	34.992	105.306	2	15	07/16/78	12	35.0					
31464	M	35	34.981	105.334	2	15	07/16/78	13	36.0					
31465	M	35	34.969	105.362	2	15	07/16/78	13	36.0					
31466	M	35	34.967	105.362	2	15	07/16/78	13	36.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
31376	3	8	1	6	5	6			2	2	1.90	<2	3.42	15
31378	3	6	1	6	5	6			2	1	1.40	<2	3.58	<10
31382	3	8	1	6	5	6			2	1	1.70	<2	3.11	<10
31386	3	17	1	6	5	6			1	1	2.50	<2	5.42	19
31388	3	8	1	6	5	6			2	1	2.50	<2	5.30	12
31389	3	11	1	6	5	6			2	1	2.30	<2	6.07	18
31390	3	5	1	6	5	6			3	1	2.20	<2	4.41	11
31391	3	8	1	6	5	6			3	1	2.70	<2	3.70	14
31392	3	11	1	6	5	6			3	1	2.30	<2	4.58	19
31393	3	4	1	6	4	6			3	1	4.80	<2	2.77	11
31394	3	6	1	6	5	6			2	1	2.40	<2	5.17	20
31395	3	4	1	6	4	6			2	1	1.50	2	3.47	18
31396	3	12	1	6	5	6			2	1	2.40	<2	5.24	27
31397	3	9	1	6	5	6			2	1	2.60	<2	5.12	23
31398	3	6	1	6	5	6			2	1	2.60	<2	4.36	21
31399	3	11	1	6	5	6			1	1	2.50	<2	5.46	26
31400	3	11	1	6	5	6			1	1	2.30	<2	5.94	26
31401	3	4	1	6	5	6			1	1	2.20	<2	5.19	22
31402	3	4	1	6	5	6			1	1	2.40	<2	5.31	27
31404	3	5	1	6	5	6			2	1	3.00	<2	4.61	26
31405	3	5	1	6	5	6			2	1	2.50	<2	5.35	29
31406	3	9	1	6	5	6			2	1	2.30	<2	4.95	30
31407	3	4	1	6	5	6			2	1	2.20	<2	6.01	27
31409	3	8	1	6	5	6			2	1	2.60	<2	4.34	32
31410	3	5	1	6	4	6			2	1	2.70	<2	5.16	38
31411	3	9	1	6	4	6			2	1	2.50	<2	5.07	33
31412	3	9	1	6	4	6			2	1	2.50	<2	4.25	24
31413	3	11	1	6	4	6			2	1	3.00	<2	4.04	25
31414	3	5	1	6	5	6			2	1	2.50	<2	4.25	26
31415	3	6	1	6	5	6			2	1	2.50	2	5.66	35
31418	3	3	1	6	5	6			2	1	2.50	<2	6.08	26
31419	3	8	1	6	5	6			2	1	2.30	<2	5.84	32
31420	3	6	1	6	5	6			2	1	2.50	<2	6.06	21
31421	3	11	1	6	5	6			2	1	2.50	<2	6.73	25
31426	3	6	1	6	5	6			2	2	2.50	<2	4.66	19
31431	3	8	1	6	5	6			2	1	2.30	<2	5.56	22
31432	3	9	1	6	5	6	4	1	2	1	2.30	<2	3.79	17
31436	3	3	1	6	5	6	2	1	2	1	2.70	<2	4.45	17
31437	3	6	1	6	5	6			2	1	2.60	<2	5.42	21
31442	3	5	1	6	5	6			2	1	4.60	<2	3.99	18
31444	3	9	1	6	5	6			2	1	2.40	<2	5.73	31
31446	3	4	1	6	5	6			2	1	2.30	<2	3.43	17
31447	3	4	1	6	5	6			2	1	2.10	<2	3.80	18
31448	3	9	1	6	5	6			2	1	2.60	<2	4.89	23
31449	3	4	1	6	5	6			2	1	2.10	<2	5.12	21
31451	3	12	1	6	5	6			1	1	2.60	<2	5.27	23
31452	3	11	1	6	5	6			2	1	2.30	<2	6.34	39
31454	3	6	1	6	5	6			2	1	2.40	<2	5.03	16
31459	3	11	1	6	5	6			2	1	3.30	<2	5.10	23
31460	3	9	1	6	5	6			2	1	2.00	<2	4.31	16
31462	3	16	1	6	5	6			2	1	2.50	<2	5.37	23
31463	3	8	1	6	5	6			2	1	2.50	<2	4.49	22
31464	3	3	1	6	5	6			2	1	2.70	<2	5.94	19
31465	3	5	1	6	5	6			1	1	2.60	<2	6.61	22
31466	3	11	1	6	5	6			1	1	2.60	<2	5.69	20

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31376	408	1	0.99	29	4	16	12	1.26	<15	1.35	12	19	0.37	231	<4
31378	462	1	0.27	25	<4	12	9	0.82	<15	1.59	11	16	0.22	163	<4
31382	422	1	0.64	21	<4	10	7	0.65	<15	1.52	9	14	0.23	102	<4
31386	526	1	0.57	60	6	26	18	1.86	<15	1.74	25	27	0.46	401	<4
31388	528	1	0.38	57	6	24	17	1.79	<15	1.72	24	25	0.37	366	<4
31389	542	1	0.49	55	7	29	21	2.13	<15	1.87	25	34	0.50	484	<4
31390	480	1	1.03	45	5	20	14	1.33	<15	1.66	19	25	0.37	232	<4
31391	468	1	3.40	42	5	19	15	1.44	<15	1.47	16	25	0.46	370	<4
31392	473	1	2.87	51	6	23	16	1.48	<15	1.60	20	28	0.49	302	<4
31393	332	<1	6.74	29	<4	14	9	1.11	<15	1.23	11	17	0.26	190	<4
31394	499	1	2.72	42	6	24	16	1.66	<15	1.80	17	33	0.59	333	<4
31395	425	1	3.23	40	4	19	10	1.17	<15	1.24	16	17	0.39	233	<4
31396	535	1	0.73	48	6	26	18	1.88	<15	1.67	22	26	0.49	444	<4
31397	526	1	0.51	48	6	26	18	1.81	26	1.65	21	24	0.43	452	<4
31398	477	1	0.34	52	5	23	14	1.57	<15	1.50	23	19	0.30	327	<4
31399	512	1	0.58	55	7	31	18	2.16	<15	1.56	25	33	0.57	498	<4
31400	522	1	1.14	60	7	34	21	2.40	18	1.64	27	27	0.63	492	<4
31401	468	1	0.80	48	7	28	18	1.98	<15	1.53	21	24	0.49	404	<4
31402	569	1	2.43	54	6	30	20	2.00	<15	1.65	23	27	0.52	405	<4
31404	497	1	4.05	51	6	29	17	1.89	<15	1.35	21	27	0.85	454	<4
31405	497	1	1.64	57	7	31	21	2.06	<15	1.61	23	30	0.81	503	4
31406	523	1	3.80	47	5	29	19	1.90	<15	1.39	20	33	1.29	451	<4
31407	529	1	1.26	49	7	31	20	2.25	17	1.75	21	34	0.74	469	<4
31409	579	1	2.41	44	8	30	16	2.33	<15	0.95	21	19	0.61	537	<4
31410	438	1	1.20	40	8	33	16	2.23	<15	1.06	19	27	0.54	181	<4
31411	714	1	2.77	49	8	33	17	2.32	<15	1.15	17	36	1.25	490	<4
31412	653	1	1.52	50	6	27	14	1.99	<15	1.15	20	28	0.53	275	<4
31413	640	1	1.01	40	6	24	14	1.92	<15	1.19	16	19	0.43	236	<4
31414	421	1	1.72	41	5	25	14	1.62	<15	1.38	17	25	1.49	335	<4
31415	411	1	2.04	55	7	34	18	2.28	<15	1.44	21	27	0.69	323	<4
31418	506	1	1.08	51	7	29	19	2.14	<15	1.95	22	32	0.52	375	<4
31419	535	1	2.47	53	6	29	25	2.03	<15	1.88	21	28	0.54	337	<4
31420	533	1	1.36	52	6	27	19	2.09	<15	2.03	22	31	0.53	383	<4
31421	527	1	0.40	53	6	30	19	2.27	<15	2.00	24	28	0.51	341	<4
31426	441	1	1.19	43	5	22	15	1.70	<15	1.63	18	25	0.36	361	<4
31431	487	1	0.38	50	5	25	16	1.79	<15	1.76	21	30	0.40	291	<4
31432	481	1	1.81	41	4	18	10	1.31	<15	1.44	14	25	0.68	259	<4
31436	428	1	1.44	47	5	22	13	1.44	<15	1.57	18	24	0.37	235	<4
31437	483	1	0.54	56	6	27	18	1.75	<15	1.75	22	30	0.41	438	<4
31442	526	1	1.55	38	4	23	13	2.00	<15	1.43	16	29	0.59	369	<4
31444	616	1	3.31	55	7	32	18	2.12	<15	1.75	21	33	0.80	385	<4
31446	474	1	1.78	51	4	19	10	1.52	<15	1.30	19	25	0.87	309	<4
31447	570	1	2.42	33	4	20	11	1.50	<15	1.38	14	30	1.37	398	<4
31448	596	1	2.76	43	6	27	15	1.90	<15	1.32	19	25	0.90	372	<4
31449	491	1	0.55	43	7	26	17	1.88	<15	1.48	21	21	0.44	371	<4
31451	452	1	0.88	47	6	27	17	1.92	<15	1.67	22	25	0.45	376	<4
31452	443	1	1.37	54	8	36	20	2.52	<15	2.04	22	25	0.56	323	<4
31454	491	1	1.64	55	7	25	18	1.82	<15	1.62	22	25	0.42	321	<4
31459	470	1	4.60	48	<4	13	10	1.36	<15	1.56	21	21	0.69	326	<4
31460	517	1	2.87	37	4	18	12	1.37	<15	1.59	15	22	0.44	232	<4
31462	500	1	1.56	49	6	26	18	1.86	21	1.72	22	26	0.48	364	<4
31463	462	1	1.94	45	4	22	13	1.57	17	1.53	19	22	0.35	273	<4
31464	498	1	1.11	62	8	29	20	2.19	<15	1.67	26	29	0.53	470	<4
31465	550	2	0.40	74	10	34	25	2.49	19	1.91	31	30	0.49	554	<4
31466	510	1	0.34	54	4	25	18	1.75	<15	1.85	23	26	0.39	204	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31376	0.58	6	9	383	16	3	93	<2	1563	31	7	37	38
31378	0.72	4	8	194	<10	2	91	3	989	20	5	21	30
31382	0.59	<4	6	128	<10	2	78	<2	671	18	4	14	20
31386	0.90	8	15	418	27	5	128	14	2167	45	13	49	63
31388	0.86	8	12	308	20	4	123	5	2111	45	12	43	61
31389	0.77	8	15	461	24	6	115	7	2215	50	14	56	60
31390	0.79	7	12	256	15	3	107	2	1670	36	8	31	45
31391	0.64	6	11	275	11	3	106	<2	1601	37	8	28	43
31392	0.76	9	10	342	24	4	124	9	1730	39	9	36	47
31393	0.52	5	6	142	<10	2	85	3	1623	29	6	21	47
31394	0.84	6	14	364	13	4	128	6	1762	42	9	29	48
31395	0.54	7	10	234	19	3	109	7	1329	32	7	27	41
31396	0.79	7	10	462	28	5	113	7	2147	48	12	55	61
31397	0.81	7	12	409	20	5	115	4	2194	46	12	52	64
31398	0.80	9	9	310	14	4	112	<2	2211	45	11	40	62
31399	0.72	8	12	505	17	6	122	4	2300	53	14	62	64
31400	0.67	10	14	622	21	6	115	4	2400	57	15	71	67
31401	0.61	7	15	389	22	5	105	10	1951	49	12	51	52
31402	0.76	9	14	526	75	5	129	12	2150	51	12	72	59
31404	0.60	8	16	510	19	5	108	4	2054	57	11	53	53
31405	0.78	10	15	565	27	5	112	9	2211	54	12	66	59
31406	0.67	8	14	564	26	5	121	8	2000	52	10	64	54
31407	0.69	6	18	425	21	6	100	4	2065	55	13	59	58
31409	0.34	7	15	279	<10	5	105	4	2454	55	9	29	52
31410	0.29	6	19	194	<10	5	110	4	1906	57	7	24	38
31411	0.43	6	17	453	13	6	76	9	2017	63	10	41	43
31412	0.48	6	11	319	12	4	89	8	1919	56	8	32	45
31413	0.37	4	12	208	<10	4	95	2	1665	48	7	29	35
31414	0.67	5	14	366	10	4	81	<2	1594	43	8	32	48
31415	0.51	8	15	346	20	5	136	3	2083	55	9	41	44
31418	0.73	9	13	496	15	5	101	<2	2219	54	12	59	59
31419	0.74	10	14	373	44	5	123	3	2093	54	10	48	53
31420	0.88	8	14	494	15	5	117	<2	2274	53	12	58	60
31421	0.85	7	16	424	18	6	110	<2	2358	60	13	55	67
31426	0.58	6	11	346	24	4	89	2	1797	44	10	50	50
31431	0.77	7	15	326	23	5	97	8	1896	49	10	48	53
31432	0.58	6	9	262	10	3	83	<2	1502	39	7	27	37
31436	0.86	6	12	269	<10	4	118	6	2001	45	9	35	57
31437	0.70	8	14	403	15	5	91	8	1922	48	11	46	52
31442	0.40	5	11	451	<10	4	60	3	2204	58	9	36	58
31444	0.55	8	14	460	29	5	109	15	2079	61	10	49	50
31446	0.52	7	9	307	21	3	66	9	1629	45	7	27	43
31447	0.58	5	9	346	12	4	68	2	1616	43	8	29	40
31448	0.57	7	16	418	18	4	110	5	2097	53	9	36	50
31449	0.58	6	15	383	20	5	95	5	2008	43	11	42	54
31451	0.73	9	13	462	22	5	105	4	2221	50	11	54	63
31452	0.50	8	19	339	17	6	106	8	2296	65	10	41	51
31454	0.66	7	12	424	25	4	102	6	1968	49	11	48	53
31459	0.57	9	4	291	26	4	219	8	1786	32	14	35	78
31460	0.78	4	9	306	11	3	132	<2	1615	37	8	36	41
31462	0.76	8	14	486	17	5	114	3	2035	49	12	56	59
31463	0.68	5	9	276	15	4	105	6	1916	41	9	36	50
31464	0.68	10	15	465	26	6	107	12	2186	54	14	66	63
31465	0.74	10	17	722	34	7	112	11	2561	62	17	74	73
31466	0.83	8	11	530	26	5	108	5	2083	46	12	64	60

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONN	MEAS	PH	CT-F
31468	M	35	34.366	105.689	2	15	07/17/78	13	36.0					
31470	M	35	34.287	105.625	2	15	07/17/78	13	36.0					
31471	M	35	34.284	105.619	2	15	07/17/78	13	36.0					
31472	M	35	34.277	105.619	2	15	07/17/78	13	36.0					
31473	M	35	34.274	105.616	2	15	07/17/78	13	36.0					
31474	M	35	34.261	105.599	2	15	07/17/78	13	36.0					
31475	M	35	34.263	105.586	2	15	07/17/78	14	36.0					
31476	M	35	34.279	105.561	2	15	07/17/78	14	36.0					
31478	M	35	34.292	105.552	2	15	07/17/78	15	36.0					
31479	M	35	34.306	105.541	2	15	07/17/78	15	36.0					
31481	M	35	34.331	105.518	2	15	07/17/78	15	36.0					
31496	M	35	34.354	105.616	2	15	07/17/78	18	34.0					
31498	M	35	34.346	105.576	2	15	07/17/78	18	33.0					
31499	M	35	34.345	105.585	2	15	07/17/78	18	33.0					
31500	M	35	34.346	105.591	2	15	07/17/78	18	33.0					
31502	M	35	34.347	105.614	2	15	07/17/78	18	33.0					
31503	M	35	34.347	105.621	2	15	07/17/78	18	33.0					
31504	M	35	34.347	105.636	2	15	07/17/78	18	32.0					
31506	M	35	34.345	105.649	2	15	07/17/78	19	32.0					
31508	M	35	34.344	105.667	2	15	07/17/78	19	32.0					
31510	M	35	34.302	105.679	2	15	07/19/78	9	29.0					
31511	M	35	34.304	105.696	2	15	07/19/78	9	29.0					
31517	M	35	34.287	105.754	2	15	07/19/78	10	32.0					
31518	M	35	34.285	105.762	2	15	07/19/78	10	32.0					
31521	M	35	34.301	105.770	2	15	07/19/78	11	32.0					
31522	M	35	34.313	105.772	2	15	07/19/78	11	32.0					
31526	M	35	34.332	105.775	2	15	07/19/78	11	32.0					
31528	M	35	34.339	105.801	2	15	07/19/78	11	32.0					
31529	M	35	34.334	105.741	2	15	07/19/78	12	32.0					
31530	M	35	34.332	105.733	2	15	07/19/78	12	32.0					
31533	M	35	34.361	105.711	2	15	07/19/78	13	33.0					
31538	M	35	34.362	105.784	2	15	07/19/78	13	33.0					
31540	M	35	34.362	105.790	2	15	07/19/78	13	32.0					
31542	M	35	34.374	105.763	2	15	07/19/78	14	32.0					
31546	M	35	34.390	105.731	2	15	07/19/78	14	32.0					
31547	M	35	34.411	105.766	2	15	07/19/78	14	32.0					
31548	M	35	34.419	105.782	2	15	07/19/78	14	32.0					
31549	M	35	34.427	105.792	2	15	07/19/78	14	32.0					
31550	M	35	34.440	105.815	2	15	07/19/78	14	32.0					
31551	M	35	34.446	105.824	2	15	07/19/78	15	32.0					
31552	M	35	34.452	105.829	2	15	07/19/78	14	32.0					
31553	M	35	34.463	105.848	2	15	07/19/78	14	32.0					
31554	M	35	34.301	105.790	2	15	07/19/78	17	25.0					
31555	M	35	34.302	105.796	2	15	07/19/78	17	25.0					
31556	M	35	34.302	105.812	2	15	07/19/78	17	23.0					
31557	M	35	34.298	105.843	2	15	07/19/78	17	25.0					
31558	M	35	34.294	105.862	2	15	07/19/78	17	25.0					
31559	M	35	34.285	105.870	2	15	07/19/78	17	25.0					
31560	M	35	34.281	105.872	2	15	07/19/78	17	25.0					
31562	M	35	34.295	105.910	2	15	07/19/78	17	25.0					
31563	M	35	34.295	105.919	2	15	07/19/78	17	25.0					
31564	M	35	34.283	105.959	2	15	07/19/78	17	25.0					
31565	M	35	34.259	105.916	2	15	07/19/78	18	25.0					
31567	M	35	34.292	105.931	2	15	07/19/78	19	22.0					
31569	M	35	34.310	105.996	2	15	07/19/78	19	22.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
31468	3	13	1	6	5	6			1	2	2.40	<2	5.54	27
31470	3	5	1	6	5	6			2	2	2.40	<2	4.31	20
31471	3	6	1	6	5	6			2	2	2.40	<2	5.83	21
31472	3	10	1	6	5	6			2	2	2.60	<2	5.54	16
31473	3	9	1	6	5	6			2	2	2.60	<2	5.50	18
31474	3	6	1	6	5	6			2	2	2.60	<2	6.01	24
31475	3	5	1	6	5	6			2	2	2.40	<2	6.04	29
31476	3	5	1	6	5	6			2	2	2.70	<2	5.39	22
31478	3	11	1	6	5	6			2	2	2.20	<2	4.85	20
31479	3		1	6	5	6			2	2	1.80	<2	3.84	24
31481	3	13	1	6	5	6			2	2	2.30	<2	5.69	23
31496	3	4	1	6	5	6			2	2	1.80	<2	4.08	23
31498	3	11	1	6	5	6			2	2	2.30	<2	5.40	19
31499	3	10	1	6	5	6			2	2	2.20	<2	4.39	18
31500	3	11	1	6	5	6			2	2	2.20	<2	4.34	19
31502	3	4	1	6	5	6			2	2	1.80	<2	3.73	12
31503	3	4	1	6	5	6			2	2	2.20	<2	4.14	14
31504	3	8	1	6	5	6			2	2	2.20	<2	5.38	22
31506	3	4	1	6	5	6			2	2	2.20	<2	5.48	22
31508	3	11	1	6	5	6			2	2	2.10	<2	4.98	18
31510	3	9	1	6	5	6			1	1	2.60	<2	5.80	21
31511	3	10	1	6	5	6			1	1	2.40	<2	5.79	20
31517	3	6	1	6	5	6			2	1	2.90	<2	6.69	17
31518	3	16	1	6	5	6			2	1	2.60	<2	7.01	27
31521	3	5	1	6	5	6			2	2	2.30	<2	4.95	19
31522	3	13	1	6	5	6			2	2	2.50	<2	5.81	20
31526	3	13	1	6	5	6			1	2	2.40	<2	5.45	15
31528	3	13	1	6	5	6			2	2	2.10	<2	4.93	21
31529	3	11	1	6	5	6			2	2	2.30	<2	5.01	17
31530	3	13	1	6	5	6			2	2	2.20	<2	3.53	12
31533	3	6	1	6	5	6			2	2	1.90	<2	3.97	15
31538	3	2	1	6	5	6			2	2	2.40	<2	5.32	21
31540	3	6	1	6	5	6			1	2	2.40	<2	4.24	13
31542	3	9	1	6	5	6			2	3	1.90	<2	4.26	17
31546	3	10	1	6	5	6			2	3	2.20	<2	3.93	12
31547	3	2	1	6	5	6			2	3	1.80	<2	3.26	<10
31548	3	4	1	6	5	6			2	2	1.50	<2	3.39	11
31549	3	6	1	6	5	6			1	2	2.10	<2	3.38	13
31550	3	4	1	6	5	6			2	3	2.60	<2	4.39	12
31551	3	6	1	6	5	6			1	2	2.50	<2	4.79	18
31552	3	8	1	6	5	6			2	2	2.20	<2	4.51	11
31553	3	8	1	6	5	6			2	3	2.00	<2	4.25	13
31554	3	23	1	6	5	6			2	4	2.50	<2	5.14	13
31555	3	11	1	6	5	6			2	4	2.50	<2	5.26	20
31556	3	6	1	6	5	6			2	4	2.60	<2	5.84	13
31557	3	19	1	6	5	6			2	4	2.60	<2	6.11	15
31558	3	16	1	6	5	6			2	3	2.00	<2	4.43	11
31559	3	9	1	6	5	6			2	3	2.60	<2	4.95	<10
31560		9	1	6	5	6			2		2.00	<2	4.21	<10
31562	3	11	1	6	5	6			2	3	2.50	<2	5.36	17
31563	3	16	1	6	5	6			2	3	2.70	<2	5.24	12
31564	3	11	1	6	5	6			2	4	1.80	<2	4.26	11
31565	3	17	1	6	5	6			2	4	2.20	<2	4.90	21
31567	3	10	1	6	5	6			2	4	2.70	<2	5.40	13
31569	3	6	1	6	5	6			2	4	2.20	<2	4.14	10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31468	562	1	1.73	58	8	33	23	2.45	<15	1.64	30	28	0.71	620	<4
31470	463	1	0.74	37	5	28	14	1.81	<15	1.31	21	23	0.42	304	<4
31471	516	1	0.60	53	6	27	17	2.00	<15	1.82	23	25	0.48	420	<4
31472	507	1	1.02	55	6	28	16	2.01	<15	1.61	23	28	0.60	414	<4
31473	507	1	1.22	57	7	29	17	2.02	<15	1.57	23	26	0.49	410	<4
31474	518	1	0.85	59	7	29	18	2.05	<15	1.76	25	30	0.51	353	<4
31475	517	1	0.55	52	6	28	19	1.91	<15	1.94	22	35	0.40	336	<4
31476	481	1	0.74	56	6	29	18	2.00	<15	1.65	24	27	0.46	319	<4
31478	499	1	2.15	50	6	27	16	1.78	<15	1.65	21	26	0.56	323	<4
31479	434	1	5.08	41	5	22	16	1.47	<15	1.42	18	22	0.63	237	<4
31481	524	1	2.95	56	7	27	19	2.13	<15	1.82	22	30	0.67	393	<4
31496	503	1	6.10	36	5	21	13	1.39	<15	1.43	16	21	0.45	215	<4
31498	543	1	1.58	55	6	25	17	1.77	<15	1.92	22	27	0.47	352	<4
31499	515	1	2.88	43	5	23	13	1.57	<15	1.59	18	21	0.46	262	<4
31500	503	1	2.48	38	5	21	14	1.47	18	1.61	16	21	0.40	243	<4
31502	429	1	0.92	41	<4	18	9	1.31	<15	1.50	18	20	0.27	191	<4
31503	479	1	1.66	41	4	19	12	1.40	<15	1.67	16	22	0.35	223	<4
31504	539	1	0.94	56	6	25	16	1.80	<15	1.93	23	26	0.43	341	<4
31506	628	1	3.50	47	5	23	18	1.80	19	1.76	21	33	0.57	350	<4
31508	548	1	1.80	48	5	24	15	1.77	<15	1.70	21	22	0.49	354	<4
31510	600	1	1.60	65	7	26	19	1.98	<15	1.93	28	25	0.47	461	<4
31511	571	1	1.30	57	5	25	18	1.92	<15	1.94	26	25	0.49	391	<4
31517	630	2	0.61	77	8	30	19	2.22	25	2.12	33	33	0.47	490	<4
31518	596	2	1.18	77	8	33	20	2.34	15	2.04	33	38	0.55	379	<4
31521	527	1	1.09	55	5	23	14	1.68	<15	1.82	22	23	0.38	276	<4
31522	561	1	2.19	53	7	31	20	2.38	<15	1.64	27	26	0.66	469	<4
31526	536	1	0.56	53	6	29	18	2.13	<15	1.64	27	22	0.47	457	<4
31528	506	1	1.80	51	6	32	18	2.07	<15	1.45	25	21	0.54	359	<4
31529	546	1	2.66	48	7	28	17	2.09	<15	1.54	23	22	0.60	394	<4
31530	455	1	0.53	37	4	22	9	1.57	16	1.33	18	13	0.29	257	<4
31533	487	1	1.83	36	4	30	11	1.54	<15	1.38	16	18	0.36	239	<4
31538	510	1	0.90	48	6	30	20	2.20	<15	1.54	23	23	0.49	434	<4
31540	471	1	0.43	42	6	29	12	1.99	<15	1.33	20	17	0.33	305	<4
31542	542	1	3.03	38	6	23	13	1.59	<15	1.43	18	22	0.46	277	<4
31546	524	1	3.14	39	5	23	11	1.63	<15	1.31	19	15	0.39	238	<4
31547	397	1	8.51	30	4	19	12	1.31	<15	0.93	15	14	0.37	242	<4
31548	434	1	0.59	33	4	20	10	1.39	<15	1.37	15	13	0.26	205	<4
31549	435	1	2.84	41	4	25	13	1.71	<15	1.13	18	14	0.31	230	<4
31550	502	1	0.91	45	6	27	13	1.89	<15	1.46	21	17	0.38	304	<4
31551	525	1	1.75	50	6	27	17	1.99	<15	1.45	24	18	0.61	429	<4
31552	511	1	1.05	38	4	24	12	1.75	<15	1.47	18	17	0.46	306	<4
31553	415	1	3.04	43	6	26	23	1.54	23	1.31	19	19	0.73	242	<4
31554	518	1	1.88	61	7	31	16	2.11	25	1.52	32	24	0.52	333	<4
31555	542	1	1.26	60	8	29	18	2.12	<15	1.49	28	23	0.49	422	<4
31556	592	2	0.53	55	8	26	21	2.03	19	1.63	29	22	0.44	497	<4
31557	586	2	0.71	58	9	31	23	2.42	<15	1.52	27	24	0.59	525	<4
31558	546	1	1.79	41	6	23	14	1.73	<15	1.36	18	17	0.44	306	<4
31559	545	1	0.59	54	6	27	15	1.99	<15	1.45	25	19	0.40	413	<4
31560	520	1	1.30	39	6	22	12	1.67	<15	1.26	18	15	0.37	280	<4
31562	554	1	0.68	35	6	26	18	2.00	<15	1.64	19	22	0.45	336	<4
31563	563	1	0.62	47	7	27	17	2.04	<15	1.52	23	26	0.44	420	<4
31564	504	1	0.94	33	5	24	13	1.84	<15	1.38	17	17	0.36	278	<4
31565	480	1	1.13	42	6	27	17	1.70	<15	1.52	19	28	0.37	424	<4
31567	562	1	0.63	53	9	29	19	2.15	<15	1.59	24	21	0.42	495	<4
31569	510	1	0.53	39	6	27	14	2.02	<15	1.31	17	16	0.37	307	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31468	0.65	9	15	761	26	6	139	4	2408	53	16	91	69
31470	0.65	9	14	283	<10	5	157	<2	2253	48	12	45	67
31471	0.92	7	14	417	18	5	148	<2	2133	50	12	60	58
31472	0.90	9	14	351	15	5	150	6	2303	54	12	65	61
31473	0.83	8	12	360	21	5	155	7	2218	53	12	58	60
31474	0.92	9	13	440	21	5	162	9	2237	52	13	72	60
31475	0.98	8	14	402	25	5	175	5	2163	52	11	54	60
31476	0.84	9	13	399	31	5	132	4	2291	52	12	63	64
31478	0.85	9	13	528	16	4	153	<2	1957	46	10	51	50
31479	0.56	9	10	788	35	3	160	3	1581	38	8	71	46
31481	0.81	8	14	718	15	5	169	3	2159	63	12	64	56
31496	0.65	7	9	371	21	3	167	6	1599	41	8	37	46
31498	1.01	8	12	504	16	4	146	12	2022	43	10	94	54
31499	0.81	7	13	406	16	4	152	7	1903	41	9	44	49
31500	0.85	6	12	453	10	3	148	2	1792	39	8	52	46
31502	0.71	6	10	229	16	3	122	6	1555	37	7	38	38
31503	0.83	6	11	313	<10	3	138	4	1746	39	7	50	43
31504	0.96	9	12	443	28	4	142	7	2011	46	11	60	53
31506	0.94	8	13	542	15	4	186	7	1886	51	10	57	50
31508	0.83	8	11	519	21	4	139	4	1949	44	10	54	48
31510	1.05	10	12	541	25	5	159	9	2174	51	12	74	59
31511	1.05	8	12	563	14	5	154	7	2044	47	12	55	56
31517	1.30	15	16	348	29	5	152	13	2447	58	14	53	70
31518	1.08	15	19	468	28	6	150	11	2474	61	14	60	67
31521	0.94	9	10	384	16	4	131	11	1965	44	10	51	52
31522	0.73	10	14	654	25	6	154	7	2497	55	14	64	67
31526	0.78	10	12	496	23	5	145	9	2447	49	14	55	69
31528	0.65	11	15	480	34	5	136	12	2540	50	13	52	78
31529	0.69	11	13	588	19	5	148	4	2378	49	11	52	60
31530	0.57	8	5	234	17	3	101	6	2000	40	8	32	48
31533	0.62	8	12	370	20	3	127	2	1767	39	8	49	45
31538	0.69	8	14	533	18	5	141	4	2363	50	13	55	65
31540	0.65	9	10	235	21	4	112	6	2454	51	10	39	59
31542	0.66	8	8	400	16	4	172	6	1870	42	10	40	51
31546	0.73	8	8	284	17	3	160	5	2179	44	9	42	54
31547	0.56	9	7	342	<10	3	419	<2	1737	33	9	33	50
31548	0.71	6	7	225	23	3	127	6	2033	36	7	36	49
31549	0.59	8	9	230	23	3	135	12	2449	48	9	54	59
31550	0.77	8	9	329	18	4	138	6	2510	47	11	41	61
31551	0.71	9	12	544	22	5	145	9	2481	46	13	45	73
31552	0.77	7	10	317	15	4	142	2	2303	41	10	52	66
31553	0.61	7	10	451	23	4	115	12	1678	39	9	42	53
31554	0.75	13	15	459	24	5	143	12	2439	52	14	87	68
31555	0.75	12	16	478	29	5	151	2	2422	51	14	58	67
31556	0.88	9	15	465	18	5	152	7	2336	49	14	62	63
31557	0.75	9	18	614	31	6	154	10	2599	56	14	69	71
31558	0.72	8	10	375	24	3	139	7	2169	44	9	43	53
31559	0.77	9	10	314	20	4	129	5	2516	51	11	48	64
31560	0.67	7	10	313	26	3	125	3	2085	43	8	40	51
31562	0.90	9	11	407	12	4	138	<2	2448	49	11	45	64
31563	0.83	10	12	418	26	4	141	6	2501	50	11	51	63
31564	0.73	6	9	263	10	3	128	3	2222	50	8	38	44
31565	0.84	7	13	619	25	4	146	8	2084	41	9	47	56
31567	0.88	9	17	438	28	5	148	10	2725	53	13	49	69
31569	0.81	8	9	278	19	3	137	6	2737	58	8	38	59

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CORM	MEAS	PH	CT-F
31571	M	35	34.346	105.997	2	15	07/19/78	20	22.0					
31573	M	35	34.353	105.978	2	15	07/19/78	20	20.0					
31574	M	35	34.361	105.959	2	15	07/19/78	20	20.0					
31577	M	35	34.301	105.900	2	15	07/20/78	9	25.0					
31578	M	35	34.313	105.893	2	15	07/20/78	9	25.0					
31579	M	35	34.333	105.881	2	15	07/20/78	9	25.0					
31582	M	35	34.397	105.895	2	15	07/20/78	9	25.0					
31591	M	35	34.483	105.928	2	15	07/20/78	11	33.0					
31592	M	35	34.488	105.906	2	15	07/20/78	11	35.0					
31596	M	35	34.389	105.836	2	15	07/20/78	13	35.0					
31597	M	35	34.412	105.841	2	15	07/20/78	12	35.0					
31599	M	35	34.390	105.808	2	15	07/20/78	13	31.0					
31600	M	35	34.377	105.806	2	15	07/20/78	13	32.0					
31602	M	35	34.364	105.839	2	15	07/20/78	14	32.0					
31605	M	35	34.447	105.806	2	15	07/20/78	14	32.0					
31607	M	35	34.482	105.806	2	15	07/20/78	14	32.0					
31608	M	35	34.492	105.821	2	15	07/20/78	15	34.0					
31609	M	35	34.492	105.831	2	15	07/20/78	15	35.0					
31610	M	35	34.478	105.843	2	15	07/20/78	15	35.0					
31612	M	35	34.482	105.855	2	15	07/20/78	15	35.0					
31613	M	35	34.482	105.865	2	15	07/20/78	15	34.0					
31622	M	35	34.251	105.470	2	15	07/21/78	9	30.0					
31623	M	35	34.257	105.472	2	15	07/21/78	9	30.0					
31626	M	35	34.252	105.451	2	15	07/21/78	9	31.0					
31628	M	35	34.260	105.412	2	15	07/21/78	10	32.0					
31629	M	35	34.286	105.454	2	15	07/21/78	10	32.0		C			
31631	M	35	34.275	105.438	2	15	07/21/78	10	33.0		C			
31632	M	35	34.276	105.421	2	15	07/21/78	10	33.0					
31633	M	35	34.286	105.420	2	15	07/21/78	10	32.0					
31634	M	35	34.296	105.422	2	15	07/21/78	10	32.0					
31635	M	35	34.276	105.462	2	15	07/21/78	11	31.0					
31636	M	35	34.277	105.482	2	15	07/21/78	11	31.0					
31638	M	35	34.377	105.491	2	15	07/21/78	11	31.0					
31639	M	35	34.411	105.456	2	15	07/21/78	11	30.0					
31640	M	35	34.426	105.442	2	15	07/21/78	12	30.0					
31641	M	35	34.434	105.436	2	15	07/21/78	12	30.0					
31642	M	35	34.442	105.427	2	15	07/21/78	12	30.0		C			
31643	M	35	34.477	105.384	2	15	07/21/78	12	30.0					
31644	M	35	34.493	105.367	2	15	07/21/78	12	30.0					
31645	M	35	34.476	105.410	2	15	07/21/78	12	30.0					
31646	M	35	34.482	105.434	2	15	07/21/78	12	30.0		C			
31649	M	35	34.624	105.458	2	96	07/21/78	13	29.0					
31650	M	35	34.606	105.464	2	15	07/21/78	14	30.0					
31651	M	35	34.582	105.459	2	15	07/21/78	14	30.0					
31652	M	35	34.567	105.455	2	15	07/21/78	14	30.0					
31653	M	35	34.556	105.454	2	15	07/21/78	14	30.0					
31654	M	35	34.545	105.454	2	15	07/21/78	14	30.0					
31655	M	35	34.542	105.454	2	15	07/21/78	14	30.0					
31656	M	35	34.538	105.454	2	15	07/21/78	14	30.0					
31657	M	35	34.522	105.454	2	15	07/21/78	14	30.0					
31658	M	35	34.517	105.454	2	15	07/21/78	14	30.0					
31659	M	35	34.508	105.454	2	15	07/21/78	14	30.0					
31660	M	35	34.450	105.426	2	15	07/21/78	14	30.0					
31661	M	35	34.450	105.442	2	15	07/21/78	14	30.0					
31662	M	35	34.450	105.470	2	15	07/21/78	14	30.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-AT	AG	AL	B
31571	3	13	1	6	5	6			2	3	2.00	<2	4.04	14
31573	3	4	1	6	5	6			2	3	2.20	<2	4.35	12
31574	3	16	1	6	5	6			2	3	2.40	<2	5.66	26
31577	3	4	1	6	5	6			2	2	2.30	<2	5.59	19
31578	3	12	1	6	5	6			2	2	2.40	<2	5.60	18
31579	3	11	1	6	5	6			2	2	2.70	<2	5.55	14
31582	3	2	1	6	5	6			2	2	1.70	<2	2.69	<10
31591	3	4	1	6	5	6			2	2	2.20	<2	4.92	19
31592	3	9	1	6	5	6			2	2	2.50	<2	5.75	26
31596	3	5	1	6	5	6			2	2	2.10	<2	4.90	18
31597	3	12	1	6	5	6			2	2	2.10	<2	4.32	18
31599	3	4	1	6	5	6			2	3	1.80	<2	3.40	12
31600	3	4	1	6	5	6			2	3	2.20	<2	5.70	37
31602	3	6	1	6	5	6			2	3	2.40	<2	5.78	35
31605	3	6	1	6	5	6			2	3	2.20	<2	4.17	18
31607	3	6	1	6	5	6			2	3	2.50	<2	4.69	16
31608	3	8	1	6	5	6			2	3	2.20	<2	4.08	12
31609	3	11	1	6	5	6			2	3	2.40	<2	5.06	15
31610	3	8	1	6	5	6			2	3	2.00	<2	4.14	12
31612	3	0	1	6	5	6			2	3	2.00	<2	4.21	14
31613	3	6	1	6	5	6			2	2	1.70	<2	2.56	<10
31622	3	11	1	6	5	6			2	2	2.60	<2	6.53	23
31623	3	4	1	6	5	6			2	2	2.10	<2	5.87	32
31626	3	11	1	6	5	6			3	2	2.20	<2	5.29	31
31628	3	4	1	6	5	6			2	2	2.30	<2	4.62	18
31629	3	9	1	6	5	6			2	2	1.50	<2	4.26	19
31631	3	4	1	6	5	6			2	2	2.30	<2	4.38	17
31632	3	8	1	6	5	6			2	2	2.40	<2	5.44	22
31633	3	4	1	6	5	6			2	2	2.10	<2	3.77	20
31634	3	8	1	6	5	6			2	2	2.40	<2	4.71	19
31635	3	6	1	6	5	6			2	2	2.20	<2	4.69	16
31636	3	3	1	6	5	6			2	3	2.10	<2	4.27	20
31638	3	13	1	6	5	6			2	3	2.10	<2	4.79	25
31639	3	4	1	6	5	6			2	3	2.00	<2	3.82	17
31640	3	6	1	6	5	6			2	3	2.00	<2	3.96	13
31641	3	5	1	6	5	6			2	3	2.20	<2	4.78	23
31642	3	6	1	6	5	6			2	3	1.90	<2	2.81	<10
31643	3	4	1	6	5	6			2	3	2.30	<2	4.61	23
31644	3	11	1	6	5	6			2	3	2.50	<2	5.94	20
31645	3	4	1	6	5	6			2	3	1.70	<2	3.52	17
31646		9	1	6	5	6					1.80	<2	4.53	<10
31649	3	6	1	6	5	6			1	3	1.60	<2	2.81	11
31650	3	4	1	6	5	6			2	3	2.10	<2	5.67	48
31651	3	11	1	6	5	6			2	3	2.10	<2	4.52	24
31652	3	6	1	6	5	6			2	3	2.20	<2	4.29	22
31653	3	11	1	6	5	6			2	3	2.50	<2	5.10	24
31654	3	13	1	6	5	6			2	3	2.40	<2	5.16	15
31655	3	9	1	6	5	6			2	3	2.40	<2	5.48	11
31656	3	9	1	6	5	6			2	3	2.60	<2	5.07	11
31657	3	6	1	6	5	6			2	3	2.70	<2	5.30	15
31658	3	11	1	6	5	6			2	3	2.70	<2	5.12	18
31659	3	12	1	6	5	6			2	3	2.40	<2	3.92	20
31660	3	5	1	6	5	6			2	3	2.20	<2	3.77	17
31661	3	8	1	6	5	6			2	3	2.30	<2	4.18	17
31662	3	5	1	6	5	6			2	3	2.20	<2	4.65	17

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31571	474	1	1.18	30	4	20	13	1.34	<15	1.38	14	18	0.50	241	<4
31573	515	1	0.56	41	6	25	15	1.77	<15	1.46	19	18	0.37	328	<4
31574	562	1	1.15	46	6	27	20	2.14	<15	1.66	21	22	0.67	455	<4
31577	575	1	1.31	50	8	28	21	2.20	<15	1.54	23	23	0.64	480	<4
31578	589	1	0.63	55	7	28	21	2.16	<15	1.62	26	21	0.47	560	<4
31579	581	1	0.54	48	8	28	21	2.10	<15	1.74	24	21	0.42	569	<4
31582	367	1	0.47	18	<4	11	8	0.74	<15	1.04	8	10	0.20	145	<4
31591	511	1	0.91	38	5	25	17	1.82	<15	1.51	18	20	0.46	326	<4
31592	582	2	1.61	57	8	31	22	2.40	<15	1.42	26	22	0.66	595	<4
31596	507	1	5.26	41	7	25	19	1.84	<15	1.19	20	22	0.54	305	<4
31597	505	1	6.13	36	6	22	16	1.64	<15	1.25	17	18	0.47	286	<4
31599	463	1	1.58	33	5	19	11	1.28	<15	1.13	14	13	0.28	202	<4
31600	564	1	2.41	46	7	33	23	2.24	<15	1.66	21	27	0.71	514	<4
31602	534	1	1.18	50	8	32	23	2.15	<15	1.73	22	25	0.68	534	<4
31605	496	1	3.13	41	5	22	15	1.57	<15	1.30	18	17	0.51	269	<4
31607	529	1	2.49	45	6	25	17	1.85	<15	1.35	21	20	0.62	325	<4
31608	501	1	0.66	38	5	22	14	1.58	<15	1.35	18	15	0.35	282	<4
31609	558	1	0.95	46	6	26	17	1.93	<15	1.57	21	19	0.54	391	<4
31610	507	1	1.13	35	4	20	12	1.45	<15	1.39	17	15	0.42	281	<4
31612	491	1	1.48	28	4	19	13	1.46	<15	1.45	15	16	0.49	289	<4
31613	379	1	7.80	18	<4	12	10	0.79	<15	0.89	9	22	0.50	134	<4
31622	558	2	0.83	54	9	33	26	2.51	<15	1.87	27	27	0.67	680	<4
31623	501	2	6.12	59	10	33	26	2.42	15	1.37	26	26	0.69	499	4
31626	492	1	3.25	46	7	28	21	2.02	17	1.55	20	22	0.64	421	<4
31628	448	1	2.07	45	6	26	16	1.93	<15	1.23	20	20	0.47	295	<4
31629	429	1	4.26	34	6	22	16	1.41	<15	1.34	16	18	0.35	228	<4
31631	448	1	0.99	39	4	23	13	1.82	<15	1.46	18	18	0.38	294	<4
31632	492	1	1.17	57	7	30	21	2.18	<15	1.68	26	22	0.56	479	<4
31633	417	1	6.06	39	5	23	15	1.62	<15	1.08	18	16	0.40	247	<4
31634	475	1	0.77	50	4	25	16	1.84	<15	1.59	23	19	0.41	327	<4
31635	473	1	2.32	53	6	26	16	1.85	15	1.50	22	19	0.44	307	<4
31636	435	1	0.78	41	5	23	13	1.67	<15	1.47	18	18	0.36	274	<4
31638	434	1	1.37	44	6	28	15	1.92	<15	1.55	21	26	0.81	378	<4
31639	415	1	3.00	38	5	23	15	1.67	<15	1.25	19	17	0.41	245	<4
31640	515	1	2.76	40	4	22	13	1.50	<15	1.31	17	18	0.43	234	<4
31641	501	1	1.32	39	7	27	19	2.04	<15	1.49	19	21	0.54	381	<4
31642	418	1	1.56	27	4	16	214	1.43	<15	1.09	12	13	0.28	160	<4
31643	502	1	3.13	45	6	32	18	2.02	<15	1.31	19	20	0.55	342	<4
31644	518	1	0.83	55	8	35	21	2.46	<15	1.67	25	28	0.73	505	<4
31645	392	1	6.60	30	7	59	13	2.26	20	0.92	13	17	0.74	260	<4
31646	424	1	2.52	32	13	97	18	3.24	<15	1.11	15	16	1.25	420	<4
31649	418	1	2.99	20	<4	12	6	0.76	<15	1.25	8	17	0.76	101	<4
31650	469	1	1.72	50	9	40	23	2.48	<15	1.77	23	40	1.50	634	<4
31651	447	1	1.37	41	7	26	14	1.66	<15	1.35	18	27	0.79	344	<4
31652	592	1	4.54	47	11	43	26	2.37	<15	1.22	22	26	1.13	380	<4
31653	569	1	1.39	62	8	35	21	2.31	20	1.47	26	23	0.74	398	<4
31654	538	1	0.99	55	8	31	18	2.17	17	1.54	23	25	0.59	395	<4
31655	558	1	1.03	55	9	37	25	2.47	18	1.50	25	28	0.98	505	<4
31656	583	1	0.82	53	9	36	21	2.31	<15	1.44	23	24	0.87	410	<4
31657	591	1	1.25	62	10	43	21	2.46	<15	1.39	28	22	0.85	440	<4
31658	604	1	1.63	61	9	44	20	2.55	<15	1.25	27	20	0.89	441	<4
31659	439	1	4.21	36	8	49	15	2.49	<15	1.11	16	26	1.10	351	<4
31660	437	1	0.53	35	5	26	11	1.66	<15	1.31	16	17	0.33	243	<4
31661	464	1	0.93	43	6	27	13	1.82	<15	1.38	19	20	0.40	278	<4
31662	508	1	1.46	45	6	26	14	1.88	23	1.57	20	20	0.49	323	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31571	0.76	6	10	365	15	3	125	4	1706	33	7	34	52
31573	0.79	8	12	358	24	4	131	7	2203	46	10	49	56
31574	0.87	9	12	636	20	5	145	3	2525	51	12	56	66
31577	0.81	9	14	580	33	5	151	9	2507	53	12	55	66
31578	0.92	9	13	489	27	5	155	9	2699	52	12	53	67
31579	0.95	9	13	459	26	5	157	6	2695	51	13	54	69
31582	0.50	<4	2	95	11	2	87	<2	998	20	4	15	27
31591	0.70	6	14	425	16	4	126	2	2062	43	10	48	56
31592	0.64	8	19	570	31	6	135	11	2607	54	14	59	72
31596	0.65	8	16	493	29	4	163	6	2090	45	10	46	58
31597	0.65	6	12	495	16	4	162	4	1901	41	9	40	51
31599	0.61	5	9	205	22	2	123	10	1619	35	6	27	40
31600	0.71	8	20	743	24	5	158	3	2338	54	12	70	65
31602	0.86	8	16	674	23	6	125	8	2370	53	12	55	65
31605	0.70	8	12	354	28	3	203	4	2013	43	8	44	53
31607	0.74	8	11	415	21	4	189	9	2337	46	10	45	63
31608	0.70	7	10	279	20	3	122	6	2067	40	9	35	56
31609	0.83	8	11	435	19	4	143	5	2376	46	11	51	60
31610	0.72	5	10	357	19	3	138	2	1876	36	8	38	52
31612	0.71	4	6	381	<10	3	132	<2	1871	34	8	36	50
31613	0.46	4	6	260	12	2	1093	3	1180	26	6	20	36
31622	0.83	9	16	602	26	6	161	8	2789	55	15	69	76
31623	0.49	12	18	848	34	6	165	7	2356	53	14	71	63
31626	0.64	9	16	770	22	5	154	3	2203	45	11	66	62
31628	0.53	8	15	407	24	4	128	4	2181	48	9	50	58
31629	0.56	6	12	384	22	4	122	6	1600	40	8	32	45
31631	0.66	6	12	328	15	4	120	4	2131	43	10	45	53
31632	0.68	11	14	682	21	6	130	10	2236	48	14	145	61
31633	0.43	9	13	506	17	4	122	10	1827	40	9	47	53
31634	0.75	9	10	419	17	4	127	7	2258	43	11	59	60
31635	0.66	9	12	386	16	4	132	<2	2151	45	10	49	56
31636	0.62	7	12	326	18	4	116	2	1973	41	9	40	52
31638	0.56	6	14	387	19	5	110	2	1966	44	10	51	56
31639	0.57	7	13	264	110	3	135	5	1848	41	8	48	45
31640	0.60	8	10	285	16	3	142	3	1711	40	9	39	44
31641	0.63	8	15	404	11	5	124	<2	2146	47	11	54	53
31642	0.49	6	22	108	19	2	108	4	1337	29	6	161	35
31643	0.65	8	15	360	25	5	154	5	2231	48	10	52	52
31644	0.74	10	16	436	26	6	127	10	2539	56	14	60	62
31645	0.52	10	24	248	<10	4	168	3	2534	60	8	33	54
31646	0.86	10	30	435	11	7	163	5	3629	87	9	45	53
31649	0.66	<4	6	121	14	2	273	<2	1086	21	5	18	30
31650	0.55	8	21	1010	16	6	147	6	2087	58	11	67	50
31651	0.65	8	14	442	18	4	109	2	1774	41	8	49	55
31652	0.73	13	21	564	19	7	198	8	2670	74	10	45	55
31653	0.82	12	15	414	26	6	161	8	2775	62	12	52	66
31654	0.78	10	14	428	18	5	140	6	2475	55	11	55	61
31655	0.87	11	14	593	14	7	144	<2	2610	61	13	60	56
31656	1.03	14	15	502	<10	6	160	5	2871	63	12	45	58
31657	1.05	13	22	487	21	7	176	6	3340	66	13	59	63
31658	1.00	15	21	522	15	7	189	10	3296	70	13	56	65
31659	0.57	9	19	306	<10	5	162	3	2705	72	8	37	50
31660	0.55	6	9	196	16	3	111	5	1955	44	8	38	53
31661	0.62	7	9	257	14	4	115	6	2129	46	9	37	52
31662	0.76	8	30	370	11	4	141	4	2159	46	10	44	54

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
31665	M	35	34.471	105.523	2	15	07/21/78	15	30.0					
31666	M	35	34.485	105.524	2	15	07/21/78	15	30.0					
31668	M	35	34.449	105.531	2	15	07/21/78	15	30.0					
31671	M	35	34.448	105.537	2	15	07/21/78	15	30.0					
31672	M	35	34.441	105.537	2	15	07/21/78	15	30.0					
31675	M	35	34.453	105.547	2	15	07/21/78	16	30.0					
31676	M	35	34.450	105.568	2	15	07/21/78	16	30.0					
31677	M	35	34.449	105.580	2	15	07/21/78	16	30.0					
31679	M	35	34.449	105.599	2	15	07/21/78	16	30.0					
31682	M	35	34.487	105.662	2	15	07/21/78	16	30.0					
31684	M	35	34.487	105.631	2	15	07/21/78	17	30.0					
31686	M	35	34.443	105.643	2	15	07/21/78	17	30.0					
31689	M	35	34.434	105.679	2	15	07/21/78	19	28.0					
31690	M	35	34.437	105.636	2	15	07/21/78	19	28.0					
31691	M	35	34.413	105.676	2	96	07/21/78	19	27.0					
31692	M	35	34.400	105.679	2	15	07/21/78	19	28.0					
31693	M	35	34.374	105.684	2	15	07/21/78	19	27.0					
31694	M	35	34.536	105.226	2	15	07/22/78	9	23.0					
31695	M	35	34.528	105.226	2	15	07/22/78	9	23.0					
31696	M	35	34.520	105.226	2	15	07/22/78	9	23.0					
31697	M	35	34.516	105.226	2	15	07/22/78	9	23.0					
31698	M	35	34.506	105.225	2	15	07/22/78	9	23.0					
31699	M	35	34.502	105.225	2	15	07/22/78	9	23.0					
31700	M	35	34.496	105.229	2	15	07/22/78	9	23.0					
31702	M	35	34.484	105.308	2	15	07/22/78	9	23.0					
31703	M	35	34.491	105.306	2	15	07/22/78	9	23.0					
31705	M	35	34.494	105.282	2	15	07/22/78	10	24.0					
31706	M	35	34.496	105.273	2	15	07/22/78	10	24.0					
31707	M	35	34.498	105.264	2	15	07/22/78	10	24.0					
31708	M	35	34.474	105.231	2	15	07/22/78	10	24.0					
31709	M	35	34.467	105.222	2	15	07/22/78	10	24.0					
31710	M	35	34.468	105.231	2	15	07/22/78	10	24.0					
31711	M	35	34.464	105.221	2	15	07/22/78	10	24.0					
31712	M	35	34.446	105.222	2	15	07/22/78	10	24.0					
31713	M	35	34.441	105.230	2	15	07/22/78	10	24.0					
31714	M	35	34.437	105.223	2	15	07/22/78	10	24.0					
31715	M	35	34.424	105.223	2	15	07/22/78	11	24.0					
31716	M	35	34.417	105.231	2	15	07/22/78	11	24.0					
31717	M	35	34.405	105.233	2	15	07/22/78	11	24.0					
31718	M	35	34.398	105.223	2	15	07/22/78	11	25.0					
31720	M	35	34.384	105.225	2	15	07/22/78	11	24.0					
31721	M	35	34.368	105.213	2	15	07/22/78	11	24.0					
31722	M	35	34.366	105.199	2	15	07/22/78	11	24.0					
31723	M	35	34.366	105.184	2	15	07/22/78	11	24.0					
31724	M	35	34.365	105.166	2	15	07/22/78	11	25.0					
31725	M	35	34.365	105.144	2	15	07/22/78	11	24.0					
31726	M	35	34.363	105.129	2	15	07/22/78	12	24.0					
31727	M	35	34.384	105.112	2	15	07/22/78	12	24.0					
31728	M	35	34.392	105.114	2	15	07/22/78	12	24.0					
31729	M	35	34.393	105.094	2	15	07/22/78	12	23.0					
31730	M	35	34.401	105.085	2	15	07/22/78	12	23.0					
31731	M	35	34.403	105.071	2	15	07/22/78	12	22.0					
31732	M	35	34.412	105.060	2	15	07/22/78	12	22.0					
31733	M	35	34.424	105.044	2	15	07/22/78	12	20.0					
31734	M	35	34.436	105.048	2	15	07/22/78	12	20.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
31665	3	11	1	6	5	6			2	3	2.40	<2	7.39	19
31666	3	17	1	6	5	6			2	3	2.30	<2	4.63	24
31668	3	6	1	6	5	6			2	3	2.10	<2	4.27	20
31671	3	6	1	6	5	6			2	3	2.10	<2	4.39	12
31672	3	8	1	6	5	6			2	3	2.30	<2	5.45	25
31675	3	4	1	6	5	6			2	3	1.90	<2	3.58	14
31676	3	8	1	6	5	6			2	3	2.00	<2	3.85	18
31677	3	3	1	6	5	6			2	3	2.30	<2	3.87	18
31679	3	8	1	6	5	6			2	3	2.10	<2	4.71	25
31682	3	11	1	6	5	6			2	3	2.40	<2	5.21	22
31684	3	11	1	6	5	6			2	2	2.60	<2	4.86	23
31686	3	12	1	6	5	6			2	2	2.40	<2	5.13	20
31689	3	9	1	6	5	6			3	3	2.30	<2	5.15	20
31690	3	8	1	6	5	6			2	3	2.40	<2	5.15	20
31691	3	11	1	6	5	6			2	3	2.50	<2	6.33	24
31692	3	11	1	6	5	6			2	3	2.10	<2	4.33	24
31693		10	1	6	5	6			3	3	2.20	<2	4.63	20
31694	3	8	1	6	5	6			2	3	2.70	<2	4.46	17
31695	3	9	1	6	5	6			2	3	2.30	<2	3.86	12
31696	3	11	1	6	5	6			2	3	2.50	<2	5.63	21
31697	3	6	1	6	5	6			2	3	2.30	<2	4.48	20
31698	3	11	1	6	5	6			2	3	2.60	<2	5.81	23
31699	3	6	1	6	5	6			2	3	2.60	<2	4.98	16
31700	3	10	1	6	5	6			2	3	2.30	<2	4.81	21
31702	3	6	1	6	5	6			2	3	3.30	<2	2.42	<10
31703	3	4	1	6	5	6			2	3	2.40	<2	4.14	15
31705	3	11	1	6	5	6			2	3	2.20	<2	5.63	24
31706	3	15	1	6	5	6			2	3	2.20	<2	5.37	23
31707	3	10	1	6	5	6			2	3	2.50	<2	5.38	24
31708	3	8	1	6	5	6			2	3	2.30	<2	4.33	17
31709	3	11	1	6	5	6			2	3	2.20	<2	5.06	20
31710	3	9	1	6	5	6			2	3	2.30	<2	5.35	23
31711	3	9	1	6	5	6			2	3	2.00	<2	4.28	18
31712	3	4	1	6	5	6			2	3	2.30	<2	3.32	14
31713	3	8	1	6	5	6			2	3	2.30	<2	2.89	18
31714	3	5	1	6	5	6			2	3	2.50	<2	4.05	19
31715	3	11	1	6	5	6			2	3	2.20	<2	5.54	34
31716	3	12	1	6	5	6			2	3	2.30	<2	3.88	10
31717	3	10	1	6	5	6			2	3	2.30	<2	6.75	29
31718	3	6	1	6	5	6			2	3	2.00	<2	3.38	14
31720	3	11	1	6	5	6			2	3	2.50	<2	3.13	<10
31721	3	6	1	6	5	6			2	3	2.30	<2	4.41	17
31722	3	9	1	6	5	6			2	3	2.00	<2	3.56	17
31723	3	11	1	6	5	6			2	3	2.30	<2	3.73	12
31724	3	11	1	6	5	6			2	3	2.40	<2	5.26	23
31725	3	4	1	6	5	6			2	3	2.20	<2	3.89	24
31726	3	6	1	6	5	6			2	3	2.50	2	3.22	15
31727	3	5	1	6	5	6			2	3	2.70	<2	4.30	11
31728	3	6	1	6	5	6			2	3	2.30	<2	5.22	20
31729	3	11							2	3	2.50	<3	4.94	16
31730	3	5	1	6	5	6			2	3	2.40	<2	4.27	14
31731	3	9	1	6	5	6			2	3	2.50	<2	4.69	21
31732	3	5	1	6	5	6			2	4	2.50	<2	3.75	17
31733	3	8	1	6	5	6			2	4	2.70	<2	5.44	17
31734	3	11	1	6	5	6			2	4	2.70	<2	4.87	21

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31665	602	2	2.22	66	10	40	28	3.22	<15	1.58	33	33	0.86	592	<4
31666	467	1	2.74	42	5	24	18	1.67	24	1.54	17	33	1.01	460	<4
31668	461	1	2.23	36	5	24	16	1.66	<15	1.53	16	21	0.66	340	<4
31671	481	1	0.96	38	5	24	13	1.79	<15	1.43	19	17	0.40	293	<4
31672	507	1	0.71	50	6	30	20	2.12	<15	1.72	23	25	0.69	572	<4
31675	441	1	1.72	28	<4	18	10	1.21	<15	1.34	14	16	0.50	199	<4
31676	437	1	3.91	37	5	22	13	1.36	<15	1.23	17	15	0.70	239	<4
31677	404	1	3.36	38	4	23	11	1.49	<15	1.24	17	25	0.77	310	<4
31679	501	1	3.15	45	5	24	17	1.70	<15	1.52	19	25	0.73	327	<4
31682	526	1	1.23	59	7	27	19	2.07	<15	1.65	25	20	0.55	398	<4
31684	505	1	0.85	52	7	28	15	1.83	<15	1.61	23	35	0.45	476	<4
31686	499	1	0.96	50	7	27	18	1.96	<15	1.74	21	23	0.54	485	<4
31689	497	1	1.92	57	8	31	20	2.16	<15	1.49	25	22	0.66	439	<4
31690	537	1	2.32	45	7	30	19	2.13	<15	1.56	21	24	0.67	397	<4
31691	568	1	1.45	61	8	35	23	2.73	<15	1.68	30	25	0.65	441	<4
31692	676	1	6.63	39	6	23	19	1.67	<15	1.35	19	19	0.58	313	<4
31693	561	1	2.57	44	6	24	15	1.62	<15	1.49	20	18	0.47	359	<4
31694	450	1	0.43	46	6	27	15	2.09	<15	1.45	22	19	0.36	319	<4
31695	406	1	0.38	41	5	26	14	2.02	<15	1.31	19	17	0.33	273	<4
31696	540	1	0.59	55	9	30	22	2.23	<15	1.65	27	23	0.48	647	<4
31697	481	1	0.87	46	6	29	15	1.98	<15	1.58	23	23	0.40	326	<4
31698	540	1	0.64	59	8	33	22	2.41	<15	1.65	29	25	0.48	602	<4
31699	516	1	0.43	58	7	28	18	1.95	<15	1.61	26	19	0.35	454	<4
31700	473	1	0.58	44	7	30	17	1.97	<15	1.62	21	22	0.47	321	<4
31702	324	<1	0.30	16	4	26	10	1.96	<15	1.11	6	11	0.17	234	<4
31703	431	1	0.59	43	5	25	13	1.74	<15	1.52	18	20	0.34	275	<4
31705	536	1	1.10	49	8	33	20	2.22	<15	1.71	24	25	0.62	435	<4
31706	544	1	1.98	48	7	30	19	2.15	<15	1.51	23	22	0.62	418	<4
31707	554	1	1.72	52	7	30	20	2.19	<15	1.65	24	23	0.56	399	<4
31708	454	1	1.25	48	6	29	16	2.02	<15	1.48	22	18	0.41	352	<4
31709	510	1	2.10	56	7	29	20	1.98	<15	1.50	24	22	0.73	395	<4
31710	494	1	0.72	54	7	29	20	2.19	<15	1.66	25	22	0.60	479	<4
31711	466	1	1.42	44	5	23	14	1.56	<15	1.51	19	15	0.42	266	<4
31712	373	1	0.42	29	<4	22	11	1.49	<15	1.28	13	16	0.28	204	<4
31713	303	1	0.30	29	<4	15	10	0.97	<15	1.13	13	15	0.28	161	<4
31714	404	1	0.46	38	5	24	13	1.52	<15	1.48	18	18	0.36	244	<4
31715	516	1	2.82	55	7	29	22	1.96	<15	1.65	24	27	0.71	436	<4
31716	407	1	0.88	39	5	21	13	1.48	<15	1.38	17	16	0.38	255	<4
31717	513	2	1.04	66	10	35	29	2.65	<15	1.94	30	36	0.74	514	<4
31718	383	1	1.58	37	5	19	14	1.34	<15	1.44	15	18	0.36	228	<4
31720	335	1	0.65	38	5	19	11	1.36	<15	1.19	16	13	0.27	204	<4
31721	427	1	0.63	39	5	23	16	1.68	<15	1.45	20	17	0.41	312	<4
31722	402	1	3.13	34	4	21	16	1.33	<15	1.06	15	16	0.45	218	<4
31723	355	1	9.59	31	5	27	15	1.52	<15	0.94	13	34	1.88	374	<4
31724	471	1	1.12	39	6	24	22	1.84	<15	1.78	19	24	0.46	416	<4
31725	410	1	1.08	44	5	21	17	1.48	<15	1.28	20	16	0.36	266	<4
31726	366	1	0.90	36	5	20	9	1.33	<15	1.43	15	14	0.25	185	<4
31727	470	1	2.25	48	5	25	14	1.84	<15	1.46	22	18	0.40	263	<4
31728	521	1	1.40	52	6	27	21	2.12	<15	1.51	24	21	0.61	479	<4
31729	486	1	0.47	41	6	24	18	1.92	<15	1.56	20	21	0.45	357	<4
31730	488	1	3.68	39	5	23	13	1.78	<15	1.45	18	19	0.42	280	<4
31731	501	1	1.33	44	5	25	15	1.94	<15	1.46	19	19	0.48	324	<4
31732	431	1	1.58	34	<4	19	13	1.48	<15	1.27	15	18	0.32	197	<4
31733	501	1	0.61	48	8	29	19	2.23	<15	1.69	23	25	0.43	415	<4
31734	504	1	1.58	48	7	28	17	2.12	<15	1.45	24	20	0.52	361	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31665	0.57	14	22	601	30	8	150	8	2737	70	19	83	73
31666	0.85	8	13	646	18	4	177	2	1906	39	9	47	51
31668	0.66	6	10	667	20	4	154	3	1818	38	9	58	49
31671	0.72	6	12	377	18	4	123	3	2053	44	9	44	49
31672	0.78	10	13	615	16	5	136	5	2219	46	12	56	61
31675	0.69	8	8	308	14	3	118	<2	1543	29	7	29	44
31676	0.64	6	13	388	20	3	138	8	1573	35	8	33	47
31677	0.73	5	10	372	10	4	127	7	1951	37	9	29	61
31679	0.72	8	10	508	18	4	172	8	1861	42	10	60	50
31682	0.72	10	11	469	33	5	137	10	2310	46	13	53	62
31684	0.80	8	14	326	16	5	115	4	2019	45	11	43	57
31686	0.82	8	14	410	22	5	133	6	2159	45	11	49	54
31689	0.64	10	17	527	31	5	124	10	2281	54	12	55	62
31690	0.73	7	15	446	17	5	136	3	2204	50	10	55	53
31691	0.66	12	14	689	25	7	133	8	2633	58	16	73	71
31692	0.66	9	12	591	19	4	176	<2	1881	42	10	47	52
31693	0.73	8	13	374	21	4	154	2	2107	41	10	50	51
31694	0.66	8	13	274	11	4	112	<2	2562	54	11	44	63
31695	0.57	7	11	231	14	4	102	3	2449	53	9	42	63
31696	0.70	9	17	563	18	6	134	3	2426	50	15	60	65
31697	0.73	8	13	366	<10	5	123	11	2417	53	12	46	67
31698	0.73	9	15	526	21	6	128	8	2633	56	16	66	69
31699	0.86	9	12	416	25	5	133	13	2497	49	13	52	69
31700	0.74	9	13	307	15	5	126	7	2282	50	10	61	59
31702	0.43	5	9	98	<10	2	84	<2	2215	54	4	48	29
31703	0.69	7	11	304	10	3	115	5	2121	43	9	38	53
31705	0.81	8	15	548	19	6	140	3	2271	51	13	60	58
31706	0.68	10	16	489	26	5	137	4	2292	51	12	56	60
31707	0.78	10	14	446	19	5	139	9	2496	53	12	56	64
31708	0.61	10	18	352	17	4	109	6	2427	50	10	45	59
31709	0.70	11	20	537	30	5	134	9	2239	47	12	56	61
31710	0.69	9	15	666	24	5	117	6	2276	49	13	62	62
31711	0.65	8	20	380	26	4	111	12	1721	38	9	45	47
31712	0.54	5	11	198	15	3	97	5	1835	39	7	30	45
31713	0.34	5	8	237	17	2	86	2	1069	26	6	26	32
31714	0.55	9	12	305	16	4	99	4	2010	41	9	38	64
31715	0.68	11	18	745	27	5	137	6	2336	49	13	61	67
31716	0.57	8	12	328	18	3	105	<2	2016	40	8	40	61
31717	0.55	11	21	826	34	7	105	8	2664	58	17	66	77
31718	0.52	6	8	350	16	3	93	6	1680	34	8	41	49
31720	0.46	8	7	228	27	3	88	3	1924	37	7	36	58
31721	0.57	7	13	407	26	4	98	5	2078	43	10	50	64
31722	0.52	6	10	278	15	3	91	7	1632	33	7	30	52
31723	0.32	7	15	199	<10	4	779	4	1747	45	8	37	56
31724	0.69	8	15	583	20	5	106	<2	2199	43	12	61	62
31725	0.53	9	11	359	21	4	95	6	2051	39	9	43	63
31726	0.53	8	6	224	25	3	85	5	2029	36	7	31	65
31727	0.69	9	14	346	17	4	118	9	2694	48	9	44	78
31728	0.61	9	15	662	31	5	119	10	2489	49	12	55	71
31729	0.64	7	14	340	16	4	100	6	2368	51	11	40	66
31730	0.64	8	12	392	<10	3	119	<2	2352	45	9	39	63
31731	0.66	8	15	341	20	4	112	2	2637	46	10	43	75
31732	0.53	6	10	249	12	3	96	2	2022	37	8	30	61
31733	0.73	9	17	338	14	5	110	4	2863	56	12	51	80
31734	0.59	9	15	425	26	4	113	8	2632	49	11	64	72

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
31735	M	35	34.448	105.064	2	15	07/22/78	12	20.0					
31736	M	35	34.457	105.072	2	15	07/22/78	12	20.0					
31737	M	35	34.476	105.010	2	15	07/22/78	13	20.0		C			
31738	M	35	34.498	105.005	2	15	07/22/78	13	20.0					
31740	M	35	34.465	105.034	2	15	07/22/78	13	20.0					
31742	M	35	34.471	105.060	2	15	07/22/78	13	20.0					
31743	M	35	34.485	105.099	2	15	07/22/78	14	20.0					
31744	M	35	34.497	105.112	2	15	07/22/78	14	22.0					
31745	M	35	34.409	105.031	2	15	07/22/78	14	22.0					
31746	M	35	34.398	105.022	2	15	07/22/78	14	22.0					
31747	M	35	34.390	105.013	2	15	07/22/78	14	22.0					
31748	M	35	34.381	105.032	2	15	07/22/78	14	22.0					
31749	M	35	34.375	105.048	2	15	07/22/78	14	22.0					
31750	M	35	34.355	105.053	2	15	07/22/78	14	22.0					
31751	M	35	34.341	105.056	2	15	07/22/78	14	22.0					
31752	M	35	34.339	105.082	2	15	07/22/78	15	22.0					
31753	M	35	34.324	105.063	2	15	07/22/78	15	22.0					
31754	M	35	34.308	105.062	2	15	07/22/78	15	23.0					
31755	M	35	34.293	105.076	2	15	07/22/78	15	22.0					
31756	M	35	34.280	105.070	2	15	07/22/78	15	22.0					
31757	M	35	34.277	105.058	2	15	07/22/78	15	22.0					
31758	M	35	34.264	105.041	2	15	07/22/78	15	23.0					
31759	M	35	34.264	105.021	2	15	07/22/78	15	22.0					
31760	M	35	34.261	105.008	2	15	07/22/78	15	23.0		C			
31761	M	35	34.254	105.042	2	15	07/22/78	15	25.0					
31762	M	35	34.229	105.027	2	15	07/22/78	15	25.0					
31765	M	35	34.306	105.115	2	15	07/22/78	15	25.0					
31766	H	35	34.302	105.133	2	96	07/22/78	15	25.0		C			
31767	M	35	34.294	105.145	2	15	07/22/78	16	25.0					
31768	H	35	34.280	105.151	2	96	07/22/78	16	25.0					
31770	M	35	34.267	105.145	2	15	07/22/78	17	25.0					
31771	M	35	34.255	105.157	2	15	07/22/78	17	24.0					
31772	H	35	34.267	105.126	2	96	07/22/78	17	24.0					
31773	H	35	34.276	105.111	2	96	07/22/78	17	24.0					
31775	H	35	34.987	105.230	2	96	07/24/78	16	32.0					
31776	M	35	34.986	105.195	2	15	07/24/78	16	32.0					
31777	M	35	34.985	105.172	2	15	07/24/78	16	32.0					
31778	M	35	34.983	105.127	2	15	07/24/78	16	32.0					
31779	M	35	34.982	105.105	2	15	07/24/78	16	32.0					
31780	M	35	34.978	105.054	2	15	07/24/78	16	32.0					
31781	M	35	34.978	105.031	2	15	07/24/78	16	32.0					
31782	H	35	34.976	105.022	2	96	07/24/78	16	32.0					
31783	M	35	34.748	105.014	2	15	07/24/78	17	32.0					
31784	M	35	34.741	105.023	2	15	07/24/78	17	32.0					
31785	M	35	34.731	105.032	2	15	07/24/78	17	32.0					
31786	M	35	34.729	105.036	2	15	07/24/78	17	32.0					
31787	H	35	34.713	105.056	2	96	07/24/78	17	32.0					
31788	M	35	34.696	105.074	2	15	07/24/78	17	32.0					
31789	M	35	34.679	105.093	2	15	07/24/78	17	32.0					
31790	M	35	34.676	105.096	2	15	07/24/78	17	32.0					
31791	H	35	34.666	105.108	2	96	07/24/78	17	31.0					
31792	M	35	34.641	105.136	2	15	07/24/78	17	31.0					
31793	H	35	34.627	105.147	2	96	07/24/78	17	31.0					
31794	M	35	34.616	105.160	2	15	07/24/78	17	31.0					
31795	M	35	34.603	105.171	2	15	07/24/78	17	31.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
31735	3	13	1	6	5	6			2	4	2.40	<2	6.30	24
31736	3	9	1	6	5	6			2	4	2.60	<2	5.84	21
31737	3	12	1	6	5	6			2	4	2.80	<2	4.61	13
31738	3	5	1	6	5	6			2	4	2.80	<2	4.38	17
31740	3	13	1	6	5	6			2	4	2.30	<2	5.19	17
31742	3	11	1	6	5	6			2	4	2.60	<2	5.22	20
31743	3	9	1	6	5	6			2	4	2.70	<2	4.32	<10
31744	3	9	1	6	5	6			2	4	2.60	<2	5.97	13
31745	3	9	1	6	5	6			2	4	2.40	<2	4.54	15
31746	3	8	1	6	5	6			2	4	2.20	<2	3.94	18
31747	3	9	1	6	5	6			2	4	2.30	<2	3.79	15
31748	3	4	1	6	5	6			2	3	2.50	<2	5.72	25
31749	3	5	1	6	5	6			2	4	2.60	<2	4.73	10
31750	3	6	1	6	5	6			2	4	2.40	<2	4.32	20
31751	3	11	1	6	5	6			2	4	2.20	<2	5.76	23
31752	3	10	1	6	5	6			2	3	2.40	<2	4.85	21
31753	3	6	1	6	5	6			2	3	2.60	<2	5.29	19
31754	3	11	1	6	5	6			2	3	2.40	<2	4.68	22
31755	3	5	1	6	5	6			2	3	2.40	<2	4.72	22
31756	3	8	1	6	5	6			2	2		<2	4.17	19
31757	3	8	1	6	5	6			2	2	2.30	<2	5.86	17
31758	3	11	1	6	5	6			2	3	2.40	<2	4.53	21
31759	3	5	1	6	5	6			2	3	2.40	<2	3.53	42
31760	3	9	1	6	5	6			2	3	2.60	<2	5.06	23
31761	3	9	1	6	5	6			2	2	2.30	<2	4.52	16
31762	3	5	1	6	5	6			2	2	2.10	<2	2.69	10
31765		9	1	6	5	6					3.00	<2	4.47	21
31766	3	6	1	6	5	6			2	2	2.20	<2	6.01	27
31767	3	5	1	6	5	6			2	2	2.60	<2	4.50	18
31768	3	5	1	6	5	6			2	2	2.40	<2	3.85	15
31770	3	5	1	6	5	6			2	2	2.70	<2	3.49	15
31771	3	6	1	6	5	6			2	3	2.40	<2	5.28	20
31772	3	9	1	6	5	6			2	3	2.20	<2	4.21	17
31773	3	9	1	6	5	6			2	3	2.50	<2	4.54	19
31775	3	11	1	6	5	6			1	2	2.40	<2	5.41	18
31776	3	11	1	6	5	6			2	2	3.00	<2	6.43	17
31777	3	11	1	6	5	6			2	2	3.50	<2	7.56	28
31778	3	9	1	6	5	6			2	2	2.30	<2	6.09	26
31779	3	9	1	6	5	6			2	2	2.60	<2	5.86	22
31780	3	11	1	6	5	6			2	2	2.40	<2	4.69	18
31781	3	15	1	6	5	6			2	2	2.30	<2	5.11	17
31782	3	6	1	6	5	6			2	2	2.10	<2	3.09	14
31783	3	6	1	6	5	6			2	2	2.00	<2	3.76	12
31784	3	3	1	6	5	6			2	2	2.10	<2	4.92	19
31785	3	9	1	6	5	6			2	2	2.50	<2	4.33	14
31786	3	11	1	6	5	6			2	2	2.10	<2	4.40	21
31787		13	1	6	5	6					2.20	<2	5.57	27
31788	3	12	1	6	5	6			2	2	2.20	<2	4.34	21
31789	3	11	1	6	5	6			2	2	2.30	<2	4.91	13
31790	3	8	1	6	5	6			2	2	2.20	<2	5.30	15
31791	3	5	1	6	5	6			2	2	2.30	<2	4.36	10
31792	3	8	1	6	5	6			2	2	2.30	<2	4.66	20
31793	3	5	1	6	5	6			2	2	2.30	<2	5.01	17
31794	3	11	1	6	5	6			2	2	2.40	<2	5.17	16
31795	3	6	1	6	5	6			2	2	2.10	<2	5.35	15

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31735	545	2	0.96	55	8	33	25	2.58	<15	1.64	27	28	0.64	523	<4
31736	568	2	2.35	54	8	32	21	2.45	<15	1.46	26	25	0.71	410	<4
31737	485	1	0.43	48	6	26	16	1.91	<15	1.46	22	19	0.35	367	<4
31738	460	1	0.36	39	5	22	14	1.68	<15	1.48	18	21	0.31	272	<4
31740	527	1	3.36	52	7	28	19	2.17	<15	1.34	24	23	0.52	387	<4
31742	508	1	1.41	50	7	29	18	2.15	<15	1.44	22	21	0.55	367	<4
31743	431	1	0.40	36	5	21	14	1.76	<15	1.39	16	20	0.35	292	<4
31744	525	1	0.50	49	8	30	21	2.33	<15	1.87	23	28	0.48	450	<4
31745	475	1	0.45	50	6	24	16	1.76	<15	1.48	22	19	0.37	351	<4
31746	403	1	0.97	32	4	19	12	1.60	<15	1.41	15	20	0.31	224	<4
31747	419	1	0.82	35	4	21	13	1.62	<15	1.33	16	17	0.34	242	<4
31748	518	2	0.50	51	7	31	21	2.41	<15	1.54	26	24	0.49	493	<4
31749	499	1	0.41	52	7	26	18	1.88	18	1.56	24	19	0.35	453	<4
31750	423	1	0.49	41	5	23	15	1.71	<15	1.60	19	20	0.36	283	<4
31751	531	1	3.81	50	8	30	23	2.24	<15	1.60	23	25	0.71	476	<4
31752	476	1	2.18	42	6	25	17	1.82	<15	1.68	20	20	0.50	314	<4
31753	481	1	0.61	57	7	30	18	2.09	<15	1.71	26	21	0.52	419	<4
31754	466	1	1.61	38	6	24	15	1.80	<15	1.59	19	19	0.50	360	<4
31755	469	1	4.35	39	6	24	17	1.67	<15	1.61	18	21	0.50	291	<4
31756	466	1	4.56	46	6	23	14	1.65	<15	1.43	19	18	0.44	265	<4
31757	503	1	1.88	59	9	33	23	2.31	<15	1.69	27	24	0.68	448	<4
31758	465	1	4.51	48	7	26	18	1.80	<15	1.54	20	20	0.51	287	<4
31759	335	1	3.54	49	6	36	38	1.68	<15	0.77	22	26	0.38	254	4
31760	472	1	1.16	48	7	26	18	1.97	<15	1.65	23	20	0.54	396	<4
31761	443	1	1.00	40	5	22	14	1.68	<15	1.72	18	19	0.41	334	<4
31762	296	1	0.30	36	4	18	9	1.20	<15	1.17	16	13	0.22	172	<4
31765	440	1	1.41	48	5	25	15	1.73	<15	1.54	22	19	0.48	286	<4
31766	493	1	1.45	50	8	29	23	2.20	<15	1.99	23	27	0.62	399	<4
31767	446	1	0.48	46	6	26	14	1.78	<15	1.56	22	19	0.36	353	<4
31768	371	1	0.69	37	5	20	13	1.49	<15	1.43	19	19	0.31	232	<4
31770	407	1	3.32	44	5	22	13	1.55	<15	1.31	20	15	0.33	221	<4
31771	478	1	1.74	50	7	26	18	1.93	<15	1.85	22	23	0.49	358	<4
31772	468	1	5.19	42	6	24	16	1.63	<15	1.40	18	18	0.46	266	<4
31773	462	1	4.15	42	6	25	17	1.80	<15	1.56	18	20	0.51	298	<4
31775	515	1	1.16	48	6	27	17	1.96	<15	1.70	24	23	0.48	327	<4
31776	810	2	0.58	74	8	22	21	2.33	<15	1.82	36	21	0.36	703	<4
31777	495	2	1.63	65	7	26	20	2.35	<15	1.76	29	34	0.79	332	<4
31778	558	1	4.08	48	8	32	21	2.41	<15	1.52	24	28	0.60	355	<4
31779	516	1	0.79	53	8	28	19	2.08	<15	1.92	23	26	0.49	493	<4
31780	454	1	0.33	47	6	24	13	1.72	<15	1.56	21	21	0.33	349	<4
31781	443	1	0.37	49	6	26	18	1.87	<15	1.73	23	23	0.37	283	<4
31782	702	1	5.21	37	5	18	8	1.22	<15	0.99	15	14	0.37	160	<4
31783	444	1	3.10	40	5	20	13	1.36	<15	1.32	18	16	0.36	235	<4
31784	488	1	1.55	42	6	24	17	1.70	<15	1.66	21	22	0.51	337	<4
31785	438	1	1.27	35	5	22	12	1.53	<15	1.51	17	19	0.46	270	<4
31786	483	1	2.50	40	5	23	14	1.49	<15	1.54	18	21	0.53	318	<4
31787	556	1	3.02	51	8	30	21	2.09	17	1.74	24	25	0.67	410	<4
31788	499	1	2.84	44	6	23	16	1.59	<15	1.49	20	20	0.47	391	<4
31789	498	1	1.10	44	7	25	16	1.76	<15	1.60	20	20	0.50	357	<4
31790	505	1	1.19	54	8	27	21	1.91	<15	1.66	24	23	0.56	443	<4
31791	488	1	3.60	41	5	25	16	1.66	<15	1.43	18	19	0.42	252	<4
31792	480	1	2.17	41	6	25	15	1.72	16	1.54	18	15	0.53	335	<4
31793	479	1	2.29	33	5	25	19	1.76	<15	1.67	17	22	0.59	333	<4
31794	483	1	0.70	44	7	28	19	1.87	<15	1.75	22	21	0.59	403	<4
31795	518	1	0.57	48	8	27	17	1.81	<15	1.70	20	27	0.52	357	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31735	0.55	8	18	618	26	6	106	4	2771	56	15	68	74
31736	0.61	10	22	581	35	5	123	12	2812	50	12	68	75
31737	0.68	8	12	304	21	4	109	4	2695	49	11	41	77
31738	0.56	7	11	237	22	4	93	4	2194	45	9	34	62
31740	0.53	9	15	422	27	5	109	8	2504	55	12	46	68
31742	0.54	8	16	420	21	5	106	4	2396	46	11	60	63
31743	0.56	5	12	234	<10	3	88	<2	2143	42	8	36	58
31744	0.76	8	14	388	20	5	113	3	2588	55	12	55	67
31745	0.62	8	12	304	30	4	103	8	2183	43	10	45	59
31746	0.49	8	11	221	11	3	85	<2	2044	42	8	37	56
31747	0.53	7	11	266	12	3	94	2	2251	40	8	35	58
31748	0.56	8	16	376	30	6	109	8	2811	57	14	50	79
31749	0.71	8	12	343	25	4	111	11	2581	46	11	43	69
31750	0.60	7	12	274	22	4	96	4	2065	43	10	45	61
31751	0.52	8	19	776	19	5	116	5	2144	51	13	67	59
31752	0.69	7	12	405	11	4	111	3	2240	46	11	49	59
31753	0.68	10	13	473	26	5	110	6	2438	51	12	57	67
31754	0.64	9	15	452	18	4	109	<2	2147	44	10	48	57
31755	0.65	8	13	499	15	4	118	<2	1879	42	10	46	50
31756	0.60	8	12	374	16	4	119	<2	2082	44	9	40	56
31757	0.55	9	20	824	39	6	107	7	2293	50	14	77	66
31758	0.56	10	15	471	22	4	118	9	2068	50	10	45	54
31759	0.13	7	19	678	19	5	131	12	1894	58	14	78	95
31760	0.66	9	14	446	23	5	109	6	2250	48	12	56	62
31761	0.67	7	12	364	<10	4	99	<2	2077	41	10	47	56
31762	0.42	7	7	190	15	2	70	5	1669	34	6	26	43
31765	0.67	9	13	387	16	4	106	5	2181	44	10	44	59
31766	0.66	9	15	791	26	6	106	4	2320	47	13	75	63
31767	0.70	9	13	313	18	4	108	4	2259	46	11	44	62
31768	0.54	5	12	289	<10	3	91	5	1886	40	9	37	51
31770	0.57	8	11	286	16	3	103	10	2207	46	8	35	57
31771	0.71	9	16	488	19	5	109	3	2193	49	11	51	60
31772	0.63	9	14	410	21	4	128	6	2043	45	9	45	57
31773	0.66	8	15	466	16	4	121	6	2258	46	10	44	61
31775	0.64	8	17	519	21	5	106	5	2131	48	13	73	63
31776	1.44	21	11	851	26	5	247	10	3166	43	16	79	144
31777	0.61	11	12	434	33	7	190	7	2714	67	16	65	85
31778	0.55	9	17	518	39	6	123	9	2424	62	13	134	66
31779	0.70	9	15	445	19	5	100	3	2310	50	14	58	66
31780	0.58	7	14	240	22	4	88	6	2031	45	10	44	60
31781	0.54	7	10	462	24	5	81	5	2131	46	11	66	61
31782	0.36	8	12	159	19	3	142	10	1543	40	7	24	47
31783	0.54	7	11	333	26	3	97	13	1699	36	8	36	51
31784	0.72	7	14	430	31	4	106	5	1844	42	10	54	53
31785	0.70	6	12	283	20	4	92	3	1853	39	8	38	57
31786	0.75	7	13	367	15	4	111	3	1729	38	9	41	52
31787	0.60	11	17	850	31	5	117	9	2145	48	12	105	61
31788	0.59	10	13	494	31	4	114	9	1919	41	9	47	56
31789	0.68	7	13	443	22	5	110	7	1966	44	10	60	56
31790	0.66	10	16	551	33	5	110	7	2015	47	12	66	59
31791	0.59	9	16	380	20	4	108	3	2070	46	9	43	60
31792	0.62	8	14	477	10	4	106	2	2045	43	10	46	57
31793	0.71	6	15	417	<10	4	112	<2	2077	42	10	54	58
31794	0.72	9	13	404	25	5	104	4	2163	45	12	53	64
31795	0.73	8	16	201	17	4	101	<2	2032	48	10	47	58

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
31796	N	35	34.593	105.157	2	15	07/24/78	18	31.0					
31797	N	35	34.588	105.142	2	15	07/24/78	18	31.0					
31798	N	35	34.543	105.144	2	15	07/24/78	19	30.0		C			
31799	N	35	34.539	105.144	2	15	07/24/78	19	30.0					
31800	N	35	34.534	105.136	2	15	07/24/78	19	30.0					
31801	N	35	34.523	105.128	2	15	07/24/78	19	30.0					
31802	N	35	34.583	105.260	2	15	07/24/78	19	22.0					
31803	N	35	34.561	105.286	2	15	07/24/78	19	22.0					
31804	N	35	34.546	105.302	2	15	07/24/78	20	22.0					
31805	N	35	34.530	105.322	2	15	07/24/78	20	22.0					
31806	N	35	34.517	105.336	2	15	07/24/78	20	22.0					
31807	N	35	34.512	105.343	2	15	07/24/78	20	22.0					
31808	N	35	34.566	105.281	2	15	07/24/78	20	22.0					
31809	N	35	34.571	105.275	2	15	07/24/78	20	20.0					
31810	N	35	34.596	105.332	2	15	07/24/78	20	20.0					
31811	N	35	34.601	105.343	2	15	07/24/78	20	20.0					
31812	N	35	34.615	105.373	2	15	07/24/78	20	20.0					
31813	N	35	34.252	105.145	2	15	07/25/78	9	22.0					
31815	N	35	34.254	105.169	2	96	07/25/78	9	22.0					
31816	N	35	34.252	105.174	2	96	07/25/78	9	23.0					
31817	N	35	34.254	105.186	2	15	07/25/78	9	23.0					
31818	N	35	34.254	105.194	2	15	07/25/78	9	23.0					
31819	N	35	34.155	105.044	2	15	07/25/78	11	30.0					
31820	N	35	34.157	105.011	2	15	07/25/78	11	30.0					
31821	N	35	34.156	105.019	2	15	07/25/78	11	30.0					
31822	N	35	34.158	105.031	2	15	07/25/78	11	30.0					
31823	N	35	34.161	105.049	2	15	07/25/78	11	30.0					
31824	N	35	34.161	105.058	2	15	07/25/78	11	30.0					
31825	N	35	34.156	105.067	2	15	07/25/78	11	30.0					
31826	N	35	34.158	105.080	2	15	07/25/78	11	30.0					
31827	N	35	34.157	105.087	2	15	07/25/78	11	30.0					
31828	N	35	34.153	105.098	2	15	07/25/78	11	30.0					
31829	N	35	34.151	105.107	2	15	07/25/78	11	30.0					
31830	N	35	34.151	105.113	2	15	07/25/78	11	30.0					
31831	N	35	34.150	105.122	2	15	07/25/78	11	30.0					
31832	N	35	34.147	105.129	2	15	07/25/78	11	30.0					
31833	N	35	34.146	105.139	2	15	07/25/78	11	30.0					
31834	N	35	34.148	105.146	2	15	07/25/78	11	30.0					
31835	N	35	34.148	105.154	2	15	07/25/78	11	30.0					
31836	N	35	34.147	105.169	2	15	07/25/78	11	30.0					
31837	N	35	34.154	105.173	2	15	07/25/78	11	30.0					
31838	N	35	34.165	105.172	2	15	07/25/78	12	31.0					
31839	N	35	34.172	105.176	2	15	07/25/78	12	31.0					
31840	N	35	34.181	105.177	2	15	07/25/78	12	31.0					
31841	N	35	34.188	105.172	2	15	07/25/78	12	31.0					
31842	N	35	34.195	105.172	2	15	07/25/78	12	31.0					
31843	N	35	34.202	105.172	2	15	07/25/78	12	31.0					
31844	N	35	34.198	105.184	2	15	07/25/78	12	32.0					
31845	N	35	34.203	105.192	2	15	07/25/78	12	32.0					
31846	N	35	34.201	105.199	2	15	07/25/78	12	32.0					
31847	N	35	34.205	105.209	2	15	07/25/78	12	32.0					
31848	N	35	34.208	105.217	2	15	07/25/78	12	32.0					
31849	N	35	34.217	105.229	2	15	07/25/78	12	32.0					
31850	N	35	34.222	105.238	2	15	07/25/78	12	32.0					
31851	N	35	34.227	105.247	2	15	07/25/78	12	32.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-AT	AG	AL	B
31796	3	8	1	6	5	6			2	2	2.20	<2	4.75	<10
31797	3	8	1	6	5	6			2	2	2.10	<2	5.29	16
31798	9	9	1	6	5	6			2	2	2.20	<2	4.72	<10
31799	3	6	1	6	5	6			2	2	2.20	<2	3.85	<10
31800	3	8	1	6	5	6			2	2	2.60	<2	5.59	18
31801	3	6	1	6	5	6			2	2	2.50	<2	5.86	22
31802	3	9	1	6	5	6			2	2	1.70	<2	3.50	16
31803	3	11	1	6	5	6			2	2	2.30	<2	6.57	27
31804	3	8	1	6	5	6			2	2	1.60	<2	4.26	20
31805	3	5	1	6	5	6			2	2	2.40	<2	5.07	25
31806	3	6	1	6	5	6			2	2	2.30	<2	6.05	25
31807	3	13	1	6	5	6			2	2	2.10	<2	5.49	21
31808	3	9	1	6	5	6			2	2	2.40	<2	6.33	27
31809	3	9	1	6	5	6			2	2	2.70	<2	5.69	18
31810	3	11	1	6	5	6			2	2	2.30	<2	4.52	16
31811	3	16	1	6	5	6			2	2	2.30	<2	4.55	19
31812	3	18	1	6	5	6			2	2	2.30	<2	5.20	24
31813	3	9	1	6	5	6			2	1	2.40	<2	5.46	22
31815	3	11	1	6	5	6			2	1	2.70	<2	5.22	19
31816	3	9	1	6	5	6			2	1	2.20	<2	4.94	22
31817	3	8	1	6	5	6			2	1	2.20	<2	4.15	15
31818	3	6	1	6	5	6			2	1	2.30	<2	5.17	18
31819	3	4	1	6	5	6			2	1	2.40	<2	3.67	15
31820	3	4	1	6	5	6			2	1	2.50	<2	4.30	18
31821	3	4	1	6	5	6			2	1	2.10	<2	4.31	15
31822	3	4	1	6	5	6			2	1	2.40	<2	4.44	17
31823	3	9	1	6	5	6			2	1	2.00	<2	4.16	17
31824	3	6	1	6	5	6			2	1	2.60	<2	3.66	18
31825	3	6	1	6	5	6			2	1	3.00	<2	5.90	20
31826	3	6	1	6	5	6			2	1	2.20	<2	3.77	16
31827	3	4	1	6	5	6			2	1	2.20	<2	4.54	14
31828	3	4	1	6	5	6			2	1	2.10	<2	3.70	14
31829	3	11	1	6	5	6			2	1	2.20	<2	4.65	15
31830	3	4	1	6	5	6			2	1	2.60	<2	4.54	15
31831	3	4	1	6	5	6			2	1	2.40	<2	4.35	14
31832	3	4	1	6	5	6			2	1	2.40	<2	4.70	17
31833	3	6	1	6	5	6			2	1	2.50	<2	4.74	16
31834	3	4	1	6	5	6			2	1	2.40	<2	4.43	15
31835	3	6	1	6	5	6			2	1	3.50	<2	4.17	16
31836	3	4	1	6	5	6			2	1	2.20	<2	4.34	14
31837	3	6	1	6	5	6			2	1	2.60	<2	3.92	12
31838	3	9	1	6	5	6			2	1	2.40	<2	4.31	14
31839	3	6	1	6	5	6			2	1	2.70	<2	6.38	22
31840	3	4	1	6	5	6			2	1	2.70	<2	4.69	13
31841	3	6	1	6	5	6			2	1	2.50	<2	4.44	15
31842	3	10	1	6	5	6			2	1	2.50	<2	5.46	17
31843	2	4	1	6	5	6			2	1	2.60	<2	4.80	15
31844	3	9	1	6	5	6			2	1	2.50	<2	5.13	17
31845	3	6	1	6	5	6			2	1	2.60	<2	4.67	16
31846	3	4	1	6	5	6			2	1	2.50	<2	4.88	21
31847	3	13	1	6	5	6			2	1	2.50	<2	5.31	19
31848	3	4	1	6	5	6			2	1	2.70	<2	4.48	15
31849	3	4	1	6	5	6			2	1	2.30	<2	4.02	<10
31850	3	2	1	6	5	6			2	1	2.30	<2	4.54	11
31851	3	4	1	6	5	6			2	1	2.10	<2	3.48	12

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31796	446	1	3.03	38	7	30	23	1.66	<15	1.44	16	42	1.84	347	<4
31797	503	1	2.35	44	8	29	22	2.01	<15	1.59	21	26	0.68	444	<4
31798	518	1	1.52	46	7	26	17	1.82	15	1.52	21	21	0.41	397	<4
31799	667	1	4.56	37	5	23	16	1.59	<15	1.25	17	19	0.44	291	<4
31800	530	1	0.83	63	9	33	22	2.25	<15	1.52	29	23	0.52	602	<4
31801	551	1	0.73	58	8	32	22	2.37	<15	1.58	29	25	0.52	563	<4
31802	512	1	4.56	32	4	19	11	1.38	<15	1.16	14	17	0.45	186	<4
31803	641	2	3.72	56	9	38	26	2.87	<15	1.52	29	30	0.81	486	<4
31804	539	1	2.45	36	5	23	15	1.57	<15	1.44	17	20	0.47	317	<4
31805	516	1	0.88	51	7	31	21	2.10	<15	1.44	24	23	0.47	443	<4
31806	566	1	1.71	60	9	40	23	2.63	<15	1.54	27	27	0.72	517	<4
31807	541	1	2.53	64	11	56	20	3.04	<15	1.26	27	25	1.02	478	<4
31808	591	2	2.81	67	10	37	29	2.76	<15	1.50	31	27	0.76	537	<4
31809	556	1	0.96	60	8	33	21	2.34	<15	1.50	29	23	0.59	523	<4
31810	515	1	2.00	42	6	25	16	1.78	<15	1.36	21	19	0.52	320	<4
31811	529	1	3.96	43	5	25	15	1.72	<15	1.37	21	21	0.52	290	<4
31812	556	1	2.88	48	7	29	17	2.05	<15	1.52	21	26	0.67	399	<4
31813	508	1	0.65	62	8	32	19	2.32	<15	1.53	28	22	0.54	491	<4
31815	494	1	1.36	56	8	31	18	2.31	<15	1.44	27	21	0.58	429	<4
31816	548	1	3.02	45	6	26	19	1.98	<15	1.39	22	21	0.65	424	<4
31817	478	1	6.51	43	5	24	15	1.78	<15	1.24	19	19	0.50	273	<4
31818	478	1	2.55	51	7	29	17	2.17	<15	1.50	24	23	0.61	384	<4
31819	521	1	6.20	41	5	23	11	1.66	<15	1.07	19	17	0.53	248	<4
31820	446	1	4.36	46	6	26	15	1.98	<15	1.26	21	22	0.59	323	<4
31821	443	1	7.21	47	5	26	17	1.92	17	1.19	20	20	0.56	287	<4
31822	486	1	3.81	50	6	26	16	1.90	<15	1.32	23	19	0.50	302	<4
31823	571	1	7.80	40	6	23	15	1.63	<15	1.05	18	18	0.47	242	<4
31824	469	1	3.92	52	6	25	13	1.93	<15	1.18	23	16	0.39	279	<4
31825	389	2	3.85	72	8	34	16	2.94	<15	1.34	34	35	1.05	536	<4
31826	437	1	5.09	41	5	24	13	1.75	<15	1.19	18	17	0.37	267	<4
31827	458	1	2.74	49	5	26	14	1.94	<15	1.31	21	23	0.42	287	<4
31828	428	1	5.59	40	5	21	13	1.58	<15	1.14	19	18	0.42	245	<4
31829	511	1	3.63	48	5	26	15	1.88	<15	1.41	22	21	0.44	310	<4
31830	475	1	4.25	51	6	27	17	2.04	33	1.31	23	21	0.46	301	<4
31831	473	1	2.91	51	6	27	15	1.95	<15	1.21	24	19	0.43	287	<4
31832	476	1	2.98	54	7	27	16	2.05	<15	1.33	25	21	0.46	310	<4
31833	469	1	1.74	44	6	26	16	1.98	<15	1.50	21	22	0.42	335	<4
31834	457	1	1.75	55	7	29	15	2.04	<15	1.31	25	19	0.42	303	<4
31835	451	1	2.49	50	5	27	15	1.98	<15	1.20	23	17	0.41	292	<4
31836	449	1	4.17	45	6	26	15	1.88	19	1.29	21	19	0.43	258	<4
31837	433	1	1.70	48	6	27	14	2.03	<15	1.19	23	18	0.38	283	<4
31838	465	1	0.65	51	5	25	14	1.84	<15	1.34	24	18	0.38	277	<4
31839	535	2	0.93	65	10	36	23	2.77	<15	1.62	32	27	0.56	603	<4
31840	502	1	2.00	49	7	29	17	2.18	<15	1.42	24	22	0.49	357	<4
31841	461	1	1.73	48	6	26	15	1.97	<15	1.42	23	20	0.43	299	<4
31842	515	1	2.03	58	7	32	20	2.39	<15	1.47	28	22	0.54	469	<4
31843	497	1	3.51	55	8	30	18	2.19	<15	1.33	26	21	0.50	347	<4
31844	507	1	1.63	53	7	29	17	2.16	<15	1.49	25	22	0.48	356	<4
31845	463	1	1.56	47	6	29	16	2.18	<15	1.35	22	21	0.44	320	<4
31846	532	1	4.13	44	6	30	18	2.10	<15	1.41	21	20	0.54	329	<4
31847	520	1	0.75	57	9	33	20	2.55	<15	1.55	28	24	0.55	533	<4
31848	481	1	2.54	52	6	28	14	2.00	<15	1.37	25	18	0.44	292	<4
31849	434	1	1.04	51	5	25	12	1.87	<15	1.32	23	18	0.34	277	<4
31850	466	1	0.52	42	5	26	15	1.96	<15	1.39	21	20	0.38	318	<4
31851	354	1	0.85	39	5	22	11	1.60	<15	1.19	17	16	0.28	216	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31796	0.69	6	18	465	20	4	91	2	1760	47	9	56	53
31797	0.57	8	18	597	18	5	101	2	2023	49	12	57	58
31798	0.66	8	12	419	22	4	111	6	2095	48	11	53	59
31799	0.59	7	13	233	11	3	115	6	1831	48	9	36	51
31800	0.64	10	18	513	32	6	109	8	2380	56	16	62	68
31801	0.75	10	14	502	20	6	132	2	2648	54	16	64	77
31802	0.54	7	11	212	11	3	139	2	1692	41	8	30	44
31803	0.50	11	19	653	20	7	139	3	2521	64	17	80	68
31804	0.64	6	10	430	25	4	151	4	1790	38	9	44	53
31805	0.72	9	16	497	30	5	161	9	2392	52	13	56	68
31806	0.82	11	20	599	22	7	161	6	2879	61	15	66	73
31807	0.92	13	24	608	30	7	187	11	3311	79	14	52	65
31808	0.58	9	18	776	35	7	134	13	2617	60	18	76	73
31809	0.75	11	15	400	26	6	140	12	2525	54	15	66	71
31810	0.67	9	14	375	24	4	130	8	2124	44	10	48	62
31811	0.70	8	12	395	17	4	151	8	2084	43	11	41	61
31812	0.68	9	13	476	28	5	147	11	2157	49	11	49	61
31813	0.67	10	15	424	27	6	119	12	2486	52	14	57	71
31815	0.61	10	16	435	19	5	116	4	2467	54	14	53	68
31816	0.64	9	15	800	30	5	142	8	2106	44	12	60	60
31817	0.54	9	13	421	13	4	139	7	2157	46	11	44	58
31818	0.57	9	14	549	17	5	114	4	2345	49	12	54	60
31819	0.56	10	9	259	14	4	152	5	2232	46	10	34	59
31820	0.53	9	13	408	11	4	118	5	2245	49	11	43	57
31821	0.49	11	14	437	24	4	126	9	2128	49	11	52	57
31822	0.60	9	13	348	16	4	122	10	2435	51	10	50	63
31823	0.56	10	13	317	23	4	156	12	2011	45	9	35	55
31824	0.51	9	9	268	17	4	122	11	2524	51	11	35	69
31825	1.19	17	15	354	16	6	120	8	2434	55	16	68	79
31826	0.53	10	10	353	13	4	118	6	2174	44	10	39	58
31827	0.55	10	15	243	18	4	110	<2	2186	48	10	40	55
31828	0.54	9	11	317	10	3	126	7	1933	40	9	34	50
31829	0.65	10	11	359	21	4	129	6	2125	46	11	42	54
31830	0.61	12	11	374	19	4	126	3	2440	53	12	44	62
31831	0.56	11	14	323	35	4	128	6	2274	47	11	45	56
31832	0.57	10	15	395	20	5	120	5	2311	51	12	45	58
31833	0.68	8	13	350	12	4	117	2	2213	47	11	44	54
31834	0.57	11	15	367	23	4	116	9	2430	51	11	42	64
31835	0.57	10	10	394	23	4	121	5	2512	48	11	44	65
31836	0.54	9	14	438	17	4	122	6	2269	46	11	43	64
31837	0.55	10	12	318	15	4	111	7	2671	50	10	43	66
31838	0.66	10	10	229	23	4	113	7	2386	44	11	42	62
31839	0.68	12	23	500	30	7	136	7	2931	60	18	66	80
31840	0.69	10	14	403	20	5	128	5	2611	52	12	48	69
31841	0.65	9	12	347	15	4	116	5	2480	49	11	43	63
31842	0.65	11	16	563	24	6	131	8	2714	55	14	58	73
31843	0.61	12	13	435	21	5	131	9	2594	55	12	50	68
31844	0.70	10	12	398	23	5	124	5	2631	53	13	49	70
31845	0.60	9	13	379	12	5	112	3	2667	54	12	67	68
31846	0.72	11	14	459	14	5	149	2	2655	50	12	45	70
31847	0.65	11	18	425	24	6	123	2	2740	57	15	59	76
31848	0.72	9	12	334	22	4	132	8	2653	51	11	41	71
31849	0.55	9	14	273	21	4	105	4	2363	47	10	40	62
31850	0.65	9	10	317	17	4	112	<2	2408	47	11	44	69
31851	0.54	9	10	209	14	3	101	6	2199	41	9	34	61

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMP	MEAS	PH	CT-F
31852	M	35	34.145	105.184	2	15	07/25/78	13	33.0					
31853	M	35	34.145	105.192	2	15	07/25/78	13	33.0					
31854	M	35	34.141	105.203	2	15	07/25/78	13	33.0					
31855	M	35	34.135	105.209	2	15	07/25/78	13	33.0					
31856	M	35	34.129	105.214	2	15	07/25/78	13	33.0					
31857	M	35	34.125	105.219	2	15	07/25/78	13	33.0					
31858	M	35	34.123	105.227	2	15	07/25/78	13	33.0					
31859	M	35	34.124	105.237	2	15	07/25/78	13	33.0					
31860	M	35	34.122	105.249	2	15	07/25/78	13	33.0					
31861	M	35	34.628	105.396	2	15	07/25/78	14	33.0					
31862	M	35	34.630	105.401	2	15	07/25/78	14	33.0					
31863	M	35	34.638	105.403	2	15	07/25/78	14	33.0					
31864	M	35	34.642	105.416	2	15	07/25/78	14	33.0					
31865	M	35	34.652	105.416	2	15	07/25/78	14	33.0					
31866	M	35	34.659	105.413	2	15	07/25/78	14	33.0					
31867	M	35	34.665	105.404	2	15	05/27/78	14	33.0					
31868	M	35	34.670	105.396	2	15	07/25/78	14	33.0					
31869	M	35	34.646	105.431	2	15	07/25/78	14	33.0					
31870	M	35	34.647	105.442	2	15	07/25/78	14	33.0					
31871	M	35	34.649	105.449	2	15	07/25/78	14	33.0					
31872	M	35	34.657	105.462	2	15	07/25/78	14	33.0					
31873	M	35	34.664	105.459	2	15	07/25/78	14	33.0					
31874	M	35	34.676	105.450	2	15	07/25/78	14	33.0					
31875	M	35	34.680	105.450	2	15	07/25/78	14	33.0					
31876	M	35	34.684	105.444	2	15	07/25/78	15	33.0					
31877	M	35	34.695	105.432	2	15	07/25/78	15	33.0					
31878	M	35	34.701	105.426	2	15	07/25/78	15	33.0					
31879	M	35	34.708	105.412	2	15	07/25/78	15	33.0					
31880	M	35	34.716	105.404	2	15	07/25/78	15	33.0					
31881	M	35	34.727	105.402	2	15	07/25/78	15	33.0					
31882	M	35	34.743	105.395	2	15	07/25/78	15	33.0					
31883	M	35	34.662	105.494	2	15	07/25/78	15	33.0					
31884	M	35	34.668	105.510	2	15	07/25/78	16	33.0					
31885	M	35	34.668	105.519	2	15	07/25/78	16	33.0					
31887	M	35	34.675	105.545	2	15	07/25/78	16						
31888	M	35	34.684	105.551	2	15	07/25/78	16						
31889	M	35	34.692	105.556	2	15	07/25/78	16	32.0					
31890	M	35	34.693	105.559	2	15	07/25/78	16	32.0					
31891	M	35	34.698	105.561	2	15	07/25/78	16						
31892	M	35	34.699	105.551	2	15	07/25/78	16						
31893	M	35	34.708	105.546	2	15	07/25/78	16						
31894	M	35	34.716	105.546	2	15	07/25/78	16						
31895	M	35	34.726	105.542	2	15	07/25/78	16						
31896	M	35	34.723	105.538	2	15	07/25/78	17						
31897	M	35	34.720	105.538	2	15	07/25/78	17						
31898	M	35	34.716	105.538	2	15	07/25/78	17						
31899	M	35	34.711	105.537	2	15	07/29/78	17						
31900	M	35	34.697	105.537	2	15	07/25/78	17						
31901	M	35	34.689	105.536	2	15	07/25/78	17						
31903	M	35	34.682	105.536	2	15	07/25/78	17						
31904	M	35	34.675	105.536	2	15	07/25/78	17						
31905	M	35	34.669	105.537	2	15	07/25/78	17						
31906	M	35	34.669	105.553	2	15	07/25/78	17						
31907	M	35	34.670	105.561	2	15	07/25/78	17						
31908	M	35	34.671	105.573	2	15	07/25/78	17						

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-NT	AG	AL	B
31852	3	4	1	6	5	6			2	1	2.40	<2	4.60	14
31853	3	6	1	6	5	6			2	1	2.30	2	3.83	11
31854	3	0	1	6	5	6			2	1	2.60	<2	3.56	10
31855	3	2	1	6	5	6			2	1	2.20	<2	4.19	17
31856	3	2	1	6	5	6			2	1	2.20	<2	3.88	13
31857	3	2	1	6	5	6			2	1	2.00	<2	3.10	12
31858	3	4	1	6	5	6			2	1	2.60	<2	4.18	18
31859	3	4	1	6	5	6			2	1	2.50	<2	4.81	15
31860	3	4	1	6	5	6			2	1	2.50	<2	4.78	14
31861	3	4	1	6	5	6			2	1	2.30	<2	5.03	20
31862	3	9	1	6	5	6			2	1	2.40	<2	5.12	29
31863	3	4	1	6	5	6			2	1	2.10	<2	3.33	10
31864	3	4	1	6	5	6			2	1	2.10	<2	3.89	17
31865	3	9	1	6	5	6			2	1	3.30	<2	4.02	19
31866	3	2	1	6	5	6			2	1	1.60	<2	3.20	10
31867	3	2	1	6	5	6			2	1	1.80	<2	2.92	10
31868	3	4	1	6	5	6			2	1	2.00	<2	3.46	12
31869	3	11	1	6	5	6			2	1	2.20	<2	3.90	15
31870	3	4	1	6	5	6			2	1	2.20	<2	5.01	32
31871	3	4	1	6	5	6			2	1	2.10	<2	3.88	17
31872	3	2	1	6	5	6			2	1	1.60	<2	3.08	<10
31873	3	6	1	6	5	6			2	1	2.10	<2	4.25	21
31874	3	6	1	6	5	6			2	1	2.10	<2	4.33	20
31875	3	2	1	6	5	6			2	1	2.30	<2	3.90	10
31876	3	6	1	6	5	6			2	1	2.30	<2	4.74	13
31877	3	4	1	6	5	6			2	1	2.20	<2	4.43	13
31878	3	6	1	6	5	6			2	1	2.10	<2	4.65	21
31879	3	2	1	6	5	6			2	1	2.50	<2	5.11	15
31880	3	4	1	6	5	6			2	1	2.50	<2	4.65	14
31881	3	4	1	6	5	6			2	1	2.10	<2	3.70	<10
31882	3	4	1	6	5	6			2	1	2.50	<2	4.38	10
31883	3	4	1	6	5	6			2	1	2.70	<2	4.83	11
31884	3	4	1	6	5	6			2	1	2.40	<2	4.18	<10
31885	3	6	1	6	5	6			2	1	2.30	<2	4.45	23
31887	3	5	1	6	5	6			2	2	2.40	<2	3.91	21
31888	3	9	1	6	5	6			2	2	2.50	<2	5.24	12
31889	3	4	1	6	5	6			2	1	2.60	<2	5.54	20
31890	3	10	1	6	5	6			2	1	2.30	<2	4.54	14
31891	3	6	1	6	5	6			2	2	2.30	<2	4.70	27
31892	3	9	1	6	5	6			2	2	2.20	<2	4.72	29
31893	3	11	1	6	5	6			2	2	2.60	<2	4.98	11
31894	3	5	1	6	5	6			2	2	2.90	<2	4.94	25
31895	3	8	1	6	5	6			2	2	2.70	<2	5.16	23
31896	3	6	1	6	5	6			2	2	2.40	<2	5.93	29
31897	3	4	1	6	5	6			2	2	2.60	<2	5.03	19
31898	3	2	1	6	5	6			2	2	2.70	<2	3.92	19
31899	3	9	1	6	5	6			2	2	2.60	<2	4.93	25
31900	3	5	1	6	5	6			2	2	2.60	<2	4.75	25
31901	3	9	1	6	5	6			2	2	2.40	<2	5.10	20
31903	3	6	1	6	5	6			2	2	2.60	<2	4.22	15
31904	3	8	1	6	5	6			2	2	2.50	<2	3.92	12
31905	3	9	1	6	5	6			2	2	2.30	<2	4.74	24
31906	3	9	1	6	5	6			2	2	2.30	<2	3.77	16
31907	3	4	1	6	5	6			2	2	2.50	<2	4.08	14
31908	3	11	1	6	5	6			2	2	2.60	<2	4.16	17

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	MF	K	LA	LI	MG	MN	MO
31852	470	1	3.04	55	7	30	17	2.20	17	1.23	25	21	0.45	335	<4
31853	418	1	1.42	53	6	26	13	1.83	<15	1.21	22	17	0.35	264	<4
31854	400	1	2.49	46	5	24	15	1.86	<15	1.20	21	17	0.36	245	<4
31855	481	1	5.32	51	6	26	15	1.85	<15	1.19	23	20	0.45	265	<4
31856	414	1	2.08	41	5	22	13	1.66	<15	1.32	19	18	0.41	272	<4
31857	309	1	1.51	37	4	20	12	1.51	<15	1.03	18	17	0.33	233	<4
31858	472	1	5.47	51	6	27	16	1.96	<15	1.26	21	15	0.53	272	<4
31859	491	1	2.20	57	7	30	17	2.23	<15	1.47	25	21	0.48	357	<4
31860	497	1	2.64	59	8	30	17	2.25	<15	1.25	28	20	0.50	384	<4
31861	554	1	4.48	51	7	30	17	1.99	<15	1.44	24	24	0.66	349	<4
31862	464	1	2.25	47	7	31	17	1.92	<15	1.60	22	33	0.92	360	<4
31863	436	1	3.67	36	4	20	11	1.13	<15	1.28	17	15	0.49	188	<4
31864	450	1	3.35	39	4	22	14	1.29	<15	1.41	18	23	0.66	257	<4
31865	430	1	3.40	32	4	22	12	1.29	<15	1.40	15	28	0.87	257	<4
31866	466	1	2.81	25	<4	13	9	0.84	<15	1.27	11	14	0.40	171	<4
31867	430	1	1.87	21	<4	50	7	0.66	<15	1.35	7	14	0.30	117	<4
31868	443	1	1.13	26	<4	16	9	1.05	<15	1.43	12	16	0.38	171	<4
31869	503	1	1.01	28	<4	17	9	1.11	<15	1.49	13	15	0.42	193	<4
31870	457	1	3.30	44	6	29	21	1.91	<15	1.49	20	32	1.23	353	<4
31871	531	1	3.88	37	5	20	18	1.38	21	1.22	17	18	0.48	269	<4
31872	390	1	10.72	29	4	17	12	1.10	<15	0.83	13	16	0.63	224	<4
31873	486	1	7.45	39	6	23	16	1.61	<15	1.14	18	24	0.82	361	<4
31874	513	1	1.20	38	5	22	14	1.50	<15	1.43	18	19	0.44	337	<4
31875	496	1	4.42	35	5	21	14	1.40	<15	1.27	16	19	0.47	212	<4
31876	537	1	1.03	40	6	24	17	1.66	<15	1.46	18	19	0.42	325	<4
31877	498	1	1.91	24	4	19	12	1.48	<15	1.54	13	21	0.48	240	<4
31878	501	1	1.92	38	5	22	14	1.56	<15	1.49	16	22	0.53	247	<4
31879	530	1	0.85	48	6	28	16	1.94	<15	1.42	22	24	0.43	350	<4
31880	536	1	2.42	52	5	26	16	1.72	<15	1.37	23	20	0.43	284	<4
31881	466	1	0.28	32	4	18	9	1.14	<15	1.27	14	16	0.25	204	<4
31882	517	1	0.72	44	5	22	13	1.54	<15	1.38	20	17	0.40	285	<4
31883	514	1	0.80	48	6	25	16	1.77	<15	1.45	22	19	0.37	356	<4
31884	522	1	2.07	39	4	20	11	1.42	<15	1.35	17	20	0.44	194	<4
31885	485	1	0.64	42	6	72	13	1.53	<15	1.50	20	20	0.45	318	<4
31887	485	1	1.80	36	5	21	10	1.27	<15	1.30	16	21	0.54	215	<4
31888	541	4	0.55	50	6	25	16	1.86	<15	1.60	22	22	0.46	437	<4
31889	547	1	0.83	47	7	28	17	2.02	15	1.59	23	23	0.55	442	<4
31890	489	1	0.68	33	5	22	12	1.61	<15	1.55	16	19	0.38	311	<4
31891	505	1	1.78	47	6	25	17	1.73	<15	1.52	21	19	0.44	400	<4
31892	451	1	1.26	37	5	24	14	1.46	<15	1.59	17	20	0.39	364	<4
31893	513	1	0.94	54	6	27	15	1.77	<15	1.71	23	19	0.44	331	4
31894	518	1	0.55	55	6	28	16	1.86	<15	1.64	26	19	0.39	349	<4
31895	511	1	0.78	44	6	26	17	1.82	<15	1.72	21	22	0.46	305	<4
31896	519	1	0.63	56	8	30	18	2.19	<15	1.85	27	26	0.55	428	<4
31897	483	1	0.73	44	6	27	15	1.84	<15	1.68	22	23	0.44	322	<4
31898	449	1	1.79	36	5	21	12	1.47	<15	1.43	17	17	0.34	264	<4
31899	542	1	1.98	43	6	27	17	1.87	<15	1.52	21	20	0.47	273	<4
31900	479	1	0.72	45	6	25	15	1.72	<15	1.66	20	20	0.39	318	<4
31901	507	1	1.02	48	5	26	15	1.91	<15	1.62	23	23	0.48	295	<4
31903	463	1	0.47	42	4	21	13	1.59	<15	1.44	21	17	0.34	280	<4
31904	455	1	0.98	43	5	19	11	1.37	<15	1.40	18	16	0.32	239	<4
31905	501	1	2.01	43	6	25	15	1.70	<15	1.48	19	21	0.45	348	<4
31906	456	1	0.85	43	5	23	12	1.37	<15	1.35	18	16	0.33	253	<4
31907	477	1	0.83	46	5	22	11	1.54	<15	1.42	20	16	0.36	286	<4
31908	461	1	0.78	43	5	19	21	1.45	<15	1.46	18	16	0.36	269	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31852	0.51	10	15	400	15	5	119	6	2607	53	12	46	68
31853	0.55	11	10	296	23	4	111	9	2345	48	10	38	61
31854	0.58	9	8	329	15	3	122	9	2450	48	9	35	63
31855	0.57	11	12	377	28	4	149	8	2304	49	11	43	63
31856	0.61	8	10	314	19	3	129	4	2109	42	10	43	57
31857	0.45	7	11	219	11	3	109	4	1981	39	8	35	48
31858	0.69	11	13	387	22	4	163	8	2512	48	11	51	61
31859	0.68	10	14	479	19	5	130	8	2695	53	12	45	69
31860	0.57	13	16	393	33	5	132	11	2580	56	13	49	66
31861	0.70	12	18	492	30	5	163	8	2254	52	12	47	67
31862	0.75	9	15	430	25	5	155	9	2132	49	10	44	68
31863	0.58	7	10	301	16	3	119	6	1626	32	7	23	62
31864	0.69	7	10	516	17	4	173	10	1696	31	9	36	57
31865	0.66	5	13	322	15	4	221	4	1552	33	8	30	52
31866	0.60	4	6	280	15	2	117	7	1218	23	6	18	45
31867	0.57	<4	27	165	11	2	81	3	838	18	4	13	35
31868	0.63	5	10	196	<10	2	88	<2	1491	27	6	21	50
31869	0.62	5	8	197	12	3	96	4	1317	29	6	22	44
31870	0.64	9	13	479	27	5	183	4	2192	44	10	56	65
31871	0.66	7	12	372	33	3	142	5	1834	36	9	64	62
31872	0.45	7	12	355	12	3	573	9	1451	28	8	27	51
31873	0.59	8	14	517	13	4	419	10	2007	40	11	40	60
31874	0.65	6	11	334	<10	4	121	3	2023	37	10	36	66
31875	0.64	7	9	268	21	3	168	8	1913	39	8	31	58
31876	0.76	6	12	337	18	4	126	8	2198	42	10	38	63
31877	0.73	<4	9	312	<10	3	120	<2	1961	37	8	31	55
31878	0.68	6	10	303	15	4	120	6	2109	41	9	26	69
31879	0.62	8	13	331	16	4	144	5	2334	49	12	40	79
31880	0.70	7	12	346	21	4	131	12	2335	44	10	44	73
31881	0.58	6	5	169	12	3	91	3	1467	30	7	22	46
31882	0.76	7	14	336	15	4	115	8	2096	38	9	33	63
31883	0.84	7	11	329	23	4	126	10	2487	46	11	42	73
31884	0.71	4	10	217	<10	3	110	3	1864	39	8	25	58
31885	0.80	8	35	288	21	4	105	10	2170	40	10	31	87
31887	0.66	5	11	269	20	3	116	9	1829	36	7	25	58
31888	0.84	8	10	404	21	5	123	5	2450	45	12	41	75
31889	0.83	8	14	454	21	5	126	3	2522	49	13	44	76
31890	0.78	6	10	264	10	4	109	<2	2093	40	9	32	58
31891	0.71	8	10	507	20	4	133	4	2231	45	11	58	68
31892	0.88	7	8	472	15	4	127	<2	1841	41	9	57	63
31893	0.83	9	10	423	23	4	126	7	2288	45	11	48	74
31894	0.87	9	13	364	32	4	136	10	2773	51	12	53	89
31895	0.76	7	13	369	21	4	120	6	2363	47	12	53	74
31896	0.72	9	12	559	23	6	118	8	2514	54	14	65	77
31897	0.74	9	12	445	21	5	115	5	2337	47	11	49	76
31898	0.65	7	10	294	13	3	109	4	2270	40	9	43	68
31899	0.70	6	11	395	18	4	132	6	2449	52	11	48	79
31900	0.77	8	11	390	23	4	118	5	2333	46	11	48	75
31901	0.82	7	14	306	16	5	126	5	2174	48	11	44	60
31903	0.74	8	10	270	13	4	108	2	2126	39	10	35	62
31904	0.74	5	12	246	14	3	108	7	1764	35	8	33	46
31905	0.79	7	13	490	21	4	144	4	1913	45	10	42	54
31906	0.68	7	16	275	17	3	110	6	1877	34	9	41	51
31907	0.72	7	10	259	13	4	118	5	1998	39	9	41	52
31908	0.66	7	12	288	18	4	110	5	1903	37	9	42	55

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
31905	M	35	34.671	105.581	2	15	07/25/78	17						
31910	M	35	34.672	105.594	2	15	07/25/78	17						
31911	M	35	34.673	105.607	2	15	07/25/78	17						
31912	M	35	34.676	105.617	2	15	07/25/78	17						
31913	M	35	34.679	105.589	2	15	07/25/78	17						
31914	M	35	34.687	105.590	2	15	07/25/78	17						
31915	M	35	34.696	105.591	2	15	07/25/78	18						
31916	M	35	34.703	105.593	2	15	07/25/78	18						
31917	M	35	34.707	105.594	2	15	07/25/78	18						
31918	M	35	34.711	105.597	2	15	07/25/78	18						
31919	M	35	34.713	105.596	2	15	07/25/78	18						
31920	M	35	34.717	105.601	2	15	07/25/78	18						
31921	M	35	34.722	105.598	2	15	07/25/78	18						
31923	M	35	34.657	105.537	2	15	07/25/78	18	29.0					
31924	M	35	34.638	105.537	2	15	07/25/78	18	29.0					
31925	M	35	34.630	105.537	2	15	07/25/78	18	28.0					
31926	M	35	34.623	105.538	2	15	07/25/78	18	28.0					
31927	M	35	34.615	105.538	2	15	07/25/78	18	28.0					
31928	M	35	34.609	105.541	2	15	07/25/78	18	28.0					
31929	M	35	34.602	105.541	2	15	07/25/78	18	28.0					
31930	M	35	34.594	105.541	2	15	07/25/78	18	28.0					
31931	M	35	34.588	105.541	2	15	07/25/78	18	28.0					
31932	M	35	34.580	105.540	2	96	07/25/78	18	28.0					
31933	M	35	34.572	105.539	2	15	07/25/78	18	28.0					
31934	M	35	34.567	105.541	2	15	07/25/78	18	28.0					
31935	M	35	34.566	105.549	2	15	07/25/78	18	28.0					
31936	M	35	34.567	105.558	2	15	07/25/78	18	28.0					
31937	M	35	34.566	105.566	2	15	07/25/78	18	28.0					
31938	M	35	34.566	105.576	2	15	07/25/78	18	28.0					
31939	M	35	34.559	105.577	2	15	07/25/78	18	28.0					
31940	M	35	34.552	105.577	2	15	07/25/78	18	28.0					
31941	M	35	34.552	105.584	2	15	07/25/78	19	28.0					
31942	M	35	34.552	105.594	2	15	07/25/78	19	28.0					
31943	M	35	34.544	105.592	2	15	07/25/78	19	28.0					
31944	M	35	34.537	105.592	2	15	07/25/78	19	28.0					
31945	M	35	34.531	105.594	2	15	07/25/78	19	28.0					
31946	M	35	34.516	105.604	2	15	07/25/78	20	28.0					
31947	M	35	34.992	105.446	2	15	07/26/78	17	28.0					
31948	M	35	34.981	105.449	2	15	07/26/78	17	28.0					
31949	M	35	34.977	105.450	2	15	07/26/78	17	28.0					
31950	M	35	34.964	105.449	2	96	07/26/78	17	28.0					
31951	M	35	34.955	105.452	2	15	07/26/78	17	28.0					
31952	M	35	34.947	105.455	2	96	07/26/78	17	28.0					
31953	M	35	34.941	105.456	2	15	07/26/78	17	28.0					
31954	M	35	34.937	105.470	2	15	07/26/78	17	28.0					
31955	M	35	34.925	105.482	2	15	07/26/78	17	28.0					
31956	M	35	34.921	105.483	2	15	07/26/78	17	28.0					
31957	M	35	34.915	105.481	2	15	07/26/78	17	28.0					
31958	M	35	34.904	105.484	2	15	07/26/78	17	28.0					
31959	M	35	34.867	105.485	2	15	07/26/78	17	28.0					
31960	M	35	34.857	105.485	2	15	07/26/78	17	28.0					
31961	M	35	34.850	105.485	2	15	07/26/78	17	28.0					
31962	M	35	34.842	105.486	2	15	07/26/78	18	28.0					
31963	M	35	34.834	105.485	2	15	07/26/78	18	28.0					
31964	M	35	34.827	105.486	2	15	07/26/78	18	28.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-AT	AG	AL	B
31909	3	8	1	6	5	6			2	2	2.60	2	4.25	18
31910	3	9	1	6	5	6			2	2	2.30	<2	4.56	16
31911	3	8	1	6	5	6			2	2	2.70	<2	4.90	21
31912	3	8	1	6	5	6			2	2	2.50	<2	5.41	15
31913	3	11	1	6	5	6			2	2	2.70	<2	5.02	23
31914	3	6	1	6	5	6			2	2	2.60	<2	4.52	18
31915	3	10	1	6	5	6			2	3	2.50	<2	4.86	20
31916	3	4	1	6	5	6			2	2	2.60	<2	5.14	24
31917	3	8	1	6	5	6			2	2	2.60	<2	4.71	20
31918	3	12	1	6	5	6			2	2	2.70	<2	4.92	22
31919	3	8	1	6	5	6			2	2	2.60	<2	4.98	25
31920	3	5	1	6	5	6			2	2	2.50	<2	4.44	18
31921	3	8	1	6	5	6			2	2	2.60	<2	4.60	18
31923	3	6	1	6	5	6			2	1	2.40	<2	4.15	21
31924	3	4	1	6	5	6			2	1	2.70	<2	5.23	22
31925	3	9	1	6	5	6			2	1	2.60	<2	4.98	24
31926	3	6	1	6	5	6			2	2	2.60	<2	5.08	24
31927	3	6	1	6	5	6			2	2	2.70	<2	4.30	22
31928	3	4	1	6	5	6			2	2	2.60	<2	4.58	21
31929	3	6	1	6	5	6			2	2	2.40	<2	4.13	18
31930	3	4	1	6	5	6			2	2	2.40	<2	4.76	22
31931	3	6	1	6	5	6			2	2	2.30	<2	4.33	15
31932	3	4	1	6	5	6			2	2	2.20	<2	5.91	25
31933	3	9	1	6	5	6			2	2	2.40	<2	4.56	22
31934	3	6	1	6	5	6			2	4	2.40	<2	4.53	26
31935	3	6	1	6	5	6			2	2	2.20	<2	4.49	28
31936	3	6	1	6	5	6			2	2	2.30	<2	4.39	16
31937	3	2	1	6	5	6			2	2	2.10	<2	4.01	16
31938	3	6	1	6	5	6			2	2	2.20	<2	3.90	17
31939	3	13	1	6	5	6			2	2	2.20	<2	4.36	21
31940	3	4	1	6	5	6			2	2	2.20	<2	4.36	18
31941	3	9	1	6	5	6			2	2	2.20	<2	4.11	19
31942	3	6	1	6	5	6			2	2	2.20	<2	4.04	20
31943	3	16	1	6	5	6			2	2	2.40	<2	4.16	16
31944	3	11	1	6	5	6			2	2	2.40	<2	4.07	22
31945	3	6	1	6	5	6			2	2	2.30	<2	4.28	22
31946	3	8	1	6	5	6			2	2	2.60	<2	4.69	20
31947	3	4	1	6	5	6			2	2	2.80	<2	4.53	16
31948	3	11	1	6	5	6			2	2	2.50	<2	4.74	17
31949	3	6	1	6	5	6			2	2	2.80	<2	4.51	19
31950	3	9	1	6	5	6			2	2	2.30	<2	3.76	16
31951	3	6	1	6	5	6			2	2	3.10	<2	5.80	26
31952	3	12	1	6	5	6			2	2	2.20	<2	4.51	25
31953	3	15	1	6	5	6			2	2	2.40	<2	5.35	24
31954	3	11	1	6	5	6			2	4	2.90	<2	4.88	21
31955	3	11	1	6	5	6			2	4	2.90	<2	4.01	18
31956	3	12	1	6	5	6			2	4	2.40	<2	5.44	24
31957	3	6	1	6	5	6			2	4	2.70	<2	4.42	21
31958	3	6	1	6	5	6			2	4	2.40	<2	3.74	14
31959	3	13	1	6	5	6			2	4	2.40	<2	4.44	22
31960	3	17	1	6	5	6			2	4	2.80	<2	5.36	27
31961	3	11	1	6	5	6			2	4	2.60	<2	4.81	26
31962	3	6	1	6	5	6			2	4	2.50	<2	4.10	27
31963	3	6	1	6	5	6			2	3	2.20	<2	3.64	31
31964	3	6	1	6	5	6			2	3	2.40	<2	3.63	29

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31909	488	1	0.85	50	5	24	22	1.69	<15	1.37	23	16	0.38	285	<4
31910	596	1	3.99	55	5	24	23	1.67	<15	1.41	22	21	0.51	290	<4
31911	513	1	0.99	52	7	28	24	2.02	<15	1.35	25	20	0.48	353	<4
31912	505	1	0.84	52	8	33	20	2.32	<15	1.50	25	24	0.62	461	<4
31913	542	1	1.32	52	6	27	26	1.96	<15	1.46	25	18	0.54	369	<4
31914	514	1	1.02	48	6	25	15	1.72	<15	1.44	22	16	0.46	316	<4
31915	513	1	1.24	55	6	26	24	1.86	<15	1.38	25	18	0.54	449	<4
31916	501	1	0.51	56	8	29	25	2.05	<15	1.35	27	18	0.48	501	<4
31917	501	1	0.54	56	7	25	16	1.80	<15	1.37	26	16	0.43	508	<4
31918	487	1	0.50	49	7	23	17	1.84	<15	1.48	23	18	0.40	464	<4
31919	511	1	0.53	52	7	25	16	1.86	<15	1.50	23	18	0.40	482	<4
31920	459	1	0.42	51	7	23	14	1.58	<15	1.40	22	17	0.32	420	<4
31921	481	1	0.44	51	6	22	15	1.60	<15	1.52	23	17	0.32	398	<4
31923	501	1	2.20	46	6	22	20	1.57	<15	1.31	21	16	0.44	315	<4
31924	519	1	0.58	51	6	27	17	2.05	18	1.41	25	20	0.53	279	<4
31925	492	1	0.70	48	6	26	17	1.84	<15	1.59	23	21	0.44	464	<4
31926	475	1	0.58	47	6	27	18	1.98	<15	1.54	23	21	0.52	329	<4
31927	464	1	2.90	43	6	24	16	1.66	<15	1.31	20	17	0.53	287	<4
31928	456	1	0.58	42	5	24	15	1.77	<15	1.49	20	19	0.44	249	<4
31929	463	1	0.34	42	5	21	16	1.51	<15	1.43	19	16	0.30	344	<4
31930	482	1	0.54	47	6	24	16	1.77	<15	1.58	22	21	0.45	366	<4
31931	510	1	1.80	38	4	19	14	1.47	<15	1.41	16	19	0.41	301	<4
31932	495	1	1.01	52	7	32	23	2.28	<15	1.86	23	26	0.69	410	<4
31933	474	1	0.88	43	5	23	18	1.62	<15	1.53	20	18	0.45	337	<4
31934	471	1	1.24	54	5	25	16	1.72	<15	1.45	22	18	0.53	335	<4
31935	486	1	2.86	48	7	25	20	1.72	<15	1.43	22	21	0.71	366	<4
31936	476	1	1.64	38	5	20	22	1.53	<15	1.62	17	20	0.43	278	<4
31937	464	1	1.99	41	4	18	12	1.32	<15	1.55	17	17	0.38	235	<4
31938	500	1	3.57	37	4	19	12	1.36	<15	1.30	17	18	0.56	246	<4
31939	478	1	0.93	43	6	23	15	1.54	<15	1.52	20	17	0.40	305	<4
31940	505	1	1.68	40	5	22	14	1.61	<15	1.54	18	17	0.42	284	<4
31941	486	1	2.04	43	6	21	14	1.50	<15	1.42	18	16	0.43	258	<4
31942	509	1	4.33	42	5	22	17	1.51	<15	1.29	19	17	0.45	253	<4
31943	479	1	1.44	44	5	23	21	1.57	<15	1.48	19	17	0.44	270	<4
31944	490	1	1.74	45	5	23	22	1.59	<15	1.36	20	15	0.45	246	<4
31945	485	1	2.74	47	5	22	21	1.45	<15	1.47	19	20	0.53	288	<4
31946	455	1	0.43	44	6	25	27	1.73	<15	1.53	22	23	0.34	318	<4
31947	475	1	1.14	46	5	23	25	1.67	<15	1.52	21	20	0.39	237	<4
31948	527	1	0.57	47	6	22	23	1.60	<15	1.69	21	20	0.34	351	<4
31949	480	1	0.51	43	5	22	23	1.62	<15	1.50	20	20	0.35	365	<4
31950	423	1	0.82	40	4	17	21	1.24	<15	1.42	17	17	0.37	229	<4
31951	539	1	0.55	57	6	31	24	2.19	<15	1.46	27	26	0.50	286	<4
31952	467	1	4.20	44	6	23	23	1.66	<15	1.40	20	20	0.82	324	<4
31953	523	1	4.10	47	6	28	27	1.89	<15	1.54	22	27	0.80	337	<4
31954	498	1	0.56	43	5	24	23	1.83	<15	1.49	21	22	0.41	314	<4
31955	439	1	0.44	31	4	20	18	1.50	<15	1.34	17	17	0.32	311	<4
31956	519	1	2.13	53	7	30	19	2.10	<15	1.40	24	25	0.60	349	<4
31957	465	1	2.04	54	6	24	21	1.66	20	1.35	22	21	0.58	259	<4
31958	431	1	0.44	34	4	18	21	1.24	<15	1.44	16	15	0.27	215	<4
31959	432	1	0.44	40	6	23	22	1.66	<15	1.52	18	22	0.47	315	<4
31960	504	1	0.48	52	8	30	27	2.01	<15	1.62	25	25	0.53	541	<4
31961	432	1	0.35	41	6	27	15	1.77	<15	1.63	19	27	0.55	273	<4
31962	373	1	0.60	31	4	22	14	1.52	<15	1.46	16	23	0.54	217	<4
31963	380	1	1.35	34	4	21	18	1.36	<15	1.35	16	20	0.54	202	<4
31964	352	1	1.07	37	<4	21	57	1.31	<15	1.43	16	23	0.64	195	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31909	C.69	8	7	300	20	4	124	7	2453	44	11	64	75
31910	0.74	9	14	529	34	5	166	9	2091	45	12	53	64
31911	0.71	10	14	370	31	5	134	10	2579	55	12	51	76
31912	0.83	9	16	588	17	6	133	5	2692	55	14	61	71
31913	0.74	9	12	473	22	5	140	8	2619	48	13	55	77
31914	0.74	9	14	393	18	4	130	3	2397	43	11	47	76
31915	0.64	9	15	545	35	5	131	6	2360	46	14	57	74
31916	0.66	10	16	383	20	6	125	8	2623	51	16	52	78
31917	0.72	8	13	358	28	5	127	8	2374	45	13	49	71
31918	0.78	8	13	393	25	5	124	4	2376	48	13	49	61
31919	0.80	8	15	369	24	5	131	6	2553	48	13	68	71
31920	C.71	9	11	341	17	4	114	9	2217	42	12	40	66
31921	0.84	7	15	336	19	4	123	<2	2421	41	12	43	76
31923	C.64	9	12	399	26	4	145	10	2201	43	10	45	68
31924	0.66	10	16	386	23	5	124	6	2444	54	13	49	79
31925	0.73	9	11	424	23	5	118	6	2510	46	12	53	75
31926	0.69	9	16	323	19	5	120	8	2440	52	12	49	76
31927	0.63	9	12	399	31	4	131	4	2293	44	10	43	70
31928	C.64	7	13	283	13	4	109	<2	2382	46	10	42	75
31929	C.66	7	10	282	<10	4	106	<2	2232	40	10	37	66
31930	C.69	8	15	323	17	4	115	6	2249	45	11	44	66
31931	0.70	6	12	306	13	3	138	10	1992	37	9	33	55
31932	C.64	8	16	658	15	6	113	5	2475	49	13	74	70
31933	0.73	6	13	366	15	4	121	<2	2244	41	10	45	70
31934	C.73	9	11	368	16	4	130	5	2444	45	10	45	75
31935	0.59	9	11	444	25	4	141	10	2204	47	10	47	65
31936	C.72	7	12	280	<10	4	125	4	2015	42	9	52	59
31937	0.75	6	8	312	<10	3	121	<2	1902	36	8	34	56
31938	C.64	5	10	379	13	3	157	5	1654	39	8	35	44
31939	0.72	7	16	316	20	4	117	8	2169	42	10	46	71
31940	0.71	8	12	331	18	4	127	5	2340	43	10	45	70
31941	0.68	8	13	350	18	3	131	4	2116	40	9	44	66
31942	0.67	9	15	318	13	4	153	8	2160	42	10	43	72
31943	0.67	8	12	283	<10	4	113	10	2124	41	9	42	58
31944	0.67	8	12	328	25	4	123	9	2201	42	9	46	68
31945	C.72	8	10	484	20	3	132	8	1918	39	9	42	59
31946	0.78	8	13	322	13	4	119	5	2409	47	11	45	70
31947	C.68	8	17	327	17	4	106	3	2381	46	10	50	74
31948	0.76	8	15	297	17	4	113	5	2297	43	10	44	68
31949	0.64	7	14	320	16	4	107	4	2349	44	11	47	66
31950	0.61	6	12	218	18	3	100	4	1905	36	8	35	58
31951	0.63	9	16	272	28	5	124	13	2868	63	12	53	90
31952	C.61	10	12	492	11	4	133	6	2153	43	11	46	64
31953	0.66	10	17	458	26	5	161	6	2322	51	12	64	67
31954	C.66	8	11	297	14	4	109	4	2486	52	11	46	79
31955	0.57	6	12	272	14	4	104	<2	2126	39	10	40	67
31956	0.56	9	15	443	29	5	133	8	2454	56	12	65	70
31957	0.56	9	14	281	27	4	136	9	2274	49	10	42	77
31958	0.59	5	10	223	17	3	99	7	1949	34	8	42	60
31959	0.60	6	15	331	19	4	87	2	2096	42	9	52	66
31960	0.64	7	17	427	22	6	105	5	2638	50	14	54	77
31961	C.53	8	16	296	17	5	83	<2	2041	49	10	42	70
31962	0.55	4	13	306	<10	4	78	<2	1864	40	8	32	69
31963	C.52	6	11	381	18	3	86	5	1883	37	7	32	73
31964	0.54	5	26	321	20	3	76	8	1950	35	7	39	79

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONM	MEAS	PH	CT-F
31965	M	35	34.824	105.486	2	15	07/26/78	18	27.0					
31966	M	35	34.818	105.486	2	15	07/26/78	18	27.0					
31967	M	35	34.812	105.486	2	15	07/26/78	18	27.0					
31968	M	35	34.799	105.486	2	15	07/26/78	18	27.0					
31969	M	35	34.791	105.486	2	15	07/26/78	18	27.0					
31970	M	35	34.784	105.486	2	15	07/26/78	18	27.0					
31971	M	35	34.776	105.487	2	15	07/26/78	18	27.0					
31972	M	35	34.768	105.487	2	15	07/26/78	18	27.0					
31973	M	35	34.762	105.485	2	15	07/26/78	18	27.0					
31974	M	35	34.760	105.485	2	15	07/26/78	18	27.0					
31975	M	35	34.741	105.484	2	15	07/26/78	18	27.0					
31976	M	35	34.722	105.484	2	15	07/26/78	18	27.0					
31977	M	35	34.712	105.484	2	15	07/26/78	18	27.0					
31978	M	35	34.705	105.486	2	15	07/26/78	18	27.0					
31979	M	35	34.691	105.480	2	15	07/26/78	18	27.0					
31980	M	35	34.682	105.471	2	15	07/26/78	18	27.0					
31981	M	35	34.676	105.467	2	15	07/26/78	18	27.0					
31982	M	35	34.665	105.468	2	15	07/26/78	19	26.0					
31983	M	35	34.669	105.484	2	15	07/26/78	19	26.0					
31984	M	35	34.676	105.488	2	15	07/26/78	19	26.0					
31985	M	35	34.694	105.499	2	15	07/26/78	19	26.0					
31986	M	35	34.704	105.504	2	15	07/26/78	19	26.0					
31987	M	35	34.720	105.514	2	15	07/26/78	19	26.0					
31988	M	35	34.734	105.522	2	15	07/26/78	19	26.0					
31989	M	35	34.747	105.529	2	15	07/26/78	19	26.0					
31990	M	35	34.753	105.533	2	15	07/26/78	19	26.0					
31991	M	35	34.764	105.539	2	15	07/26/78	20	26.0					
31992	M	35	34.774	105.546	2	15	07/26/78	20	26.0					
31993	M	35	34.782	105.550	2	15	07/26/78	20	26.0					
31994	M	35	34.804	105.563	2	15	07/26/78	20	26.0					
31995	M	35	34.814	105.569	2	15	07/26/78	20	26.0					
31996	M	35	34.836	105.582	2	15	07/26/78	20	26.0					
31997	M	35	34.845	105.587	2	15	07/26/78	20	26.0					
31998	M	35	34.852	105.591	2	15	07/26/78	20	26.0					
31999	M	35	34.873	105.601	2	15	07/26/78	20	26.0					
32000	M	35	34.893	105.601	2	15	07/26/78	20	26.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U-AT	AG	AL	B
31965	3	9	1	6	5	6			2	4	1.60	<2	3.32	21
31966	3	9	1	6	5	6			2	3	1.90	<2	4.28	36
31967	3	5	1	6	5	6			2	2	2.30	<2	3.40	33
31968	3	5	1	6	5	6			2	3	2.00	<2	3.17	13
31969	3	9	1	6	5	6			2	3	2.50	<2	4.63	21
31970	3	9	1	6	5	6			2	3	2.40	<2	4.19	21
31971	3	4	1	6	5	6			2	3	2.40	<2	4.39	27
31972	3	6	1	6	5	6			2	3	2.00	<2	3.86	30
31973	3	9	1	6	5	6			2	2	2.20	<2	3.80	29
31974	3	9	1	6	5	6			2	3	2.10	<2	3.82	22
31975	3	6	1	6	5	6			2	2	2.20	<2	3.76	20
31976	3	9	1	6	5	6			2	3	1.80	<2	2.38	17
31977	3	15	1	6	5	6			2	2	2.10	<2	3.21	12
31978		11	1	6	5	6			2	3	2.70	<2	4.43	19
31979	3	2	1	6	5	6			2	2	2.60	<2	4.84	22
31980	3	2	1	6	5	6			2	3	2.40	<2	4.64	22
31981	3	4	1	6		8			2	3	2.70	<2	4.83	23
31982	3	2	1	6	5	6			1	3	2.40	<2	4.90	25
31983	3	3	1	6	5	6			2	3	2.50	<2	5.23	25
31984	3	4	1	6	5	6			2	2	2.70	<2	5.79	24
31985	3	4	1	6	5	6			2	2	2.50	<2	5.41	25
31986	3	2	1	6	5	6			2	2	2.00	<2	4.21	13
31987	3	3	1	6	5	6			2	2	2.40	<2	4.82	21
31988	3	4	1	6	5	6			2	2	2.40	<2	5.24	23
31989	3	2	1	6	5	6			2	2	2.20	<2	4.29	15
31990	3	2	1	6	5	6			2	2	2.20	<2	4.41	22
31991	3	2	1	6	5	6			2	2	2.60	<2	5.79	27
31992	3	2	1	6	5	6			2	2	2.80	<2	5.24	19
31993	3	3	1	6	5	6			2	2	2.60	<2	5.00	23
31994	3	4	1	6	5	6			2	2	2.20	<2	4.43	28
31995	3	2	1	6	5	6			2	2	2.60	<2	3.84	22
31996	3	4	1	6	5	6			2	2	2.40	<2	4.11	22
31997	3	5	1	6	5	6			2	2	2.20	<2	4.80	28
31998	3	4	1	6	5	6			2	2	2.10	<2	4.47	28
31999	3	4	1	6	5	6			2	2	2.60	<2	5.40	22
32000	3	11	1	6	5	6			2	2	2.40	<2	5.42	34

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
31965	382	1	1.31	22	<4	15	17	0.96	<15	1.55	9	21	0.59	169	<4
31966	392	1	2.04	34	4	25	20	1.40	<15	1.68	15	33	1.17	240	<4
31967	349	1	3.61	36	5	23	20	1.52	<15	1.26	16	24	0.71	144	<4
31968	447	1	0.17	27	<4	12	14	0.74	<15	1.47	12	13	0.29	120	<4
31969	430	1	0.71	37	5	24	26	1.66	<15	1.62	17	25	0.69	289	<4
31970	453	1	0.79	42	5	22	20	1.41	<15	1.55	18	23	0.54	227	<4
31971	430	1	0.39	40	5	23	21	1.49	19	1.66	18	23	0.55	304	<4
31972	414	1	2.42	32	4	19	20	1.25	<15	1.45	14	26	0.81	215	<4
31973	438	1	2.05	35	4	19	20	1.32	<15	1.35	15	20	0.53	244	<4
31974	410	1	1.81	35	4	17	21	1.22	<15	1.48	14	22	0.54	231	<4
31975	431	1	2.42	39	5	20	19	1.33	<15	1.28	17	15	0.46	234	<4
31976	418	1	2.40	26	<4	13	14	0.87	<15	1.12	10	13	0.33	156	<4
31977	437	1	2.18	28	<4	14	1239	0.90	18	1.32	12	16	0.36	174	<4
31978	516	1	1.41	40	4	22	14	1.60	<15	1.69	18	22	0.44	269	<4
31979	564	1	0.57	48	6	23	16	1.73	<15	1.64	23	20	0.39	366	<4
31980	560	1	2.12	39	5	21	15	1.62	<15	1.64	17	21	0.47	348	<4
31981	529	1	0.86	43	6	23	17	1.75	<15	1.68	20	22	0.41	365	<4
31982	563	1	4.27	46	6	24	17	1.85	<15	1.49	20	24	0.58	307	<4
31983	591	1	1.40	44	6	24	17	1.88	<15	1.76	21	23	0.49	481	<4
31984	601	1	0.76	48	6	26	19	2.09	<15	1.93	23	26	0.53	472	<4
31985	588	1	0.61	48	7	26	18	1.96	21	1.84	24	23	0.48	485	<4
31986	543	1	0.66	38	4	17	11	1.28	<15	1.73	16	17	0.31	270	<4
31987	659	1	0.65	44	5	21	14	1.54	<15	1.72	19	20	0.38	328	<4
31988	541	1	0.35	41	7	25	15	1.78	<15	1.80	20	27	0.50	332	<4
31989	533	1	0.78	36	4	18	13	1.34	<15	1.70	17	20	0.40	297	<4
31990	523	1	1.36	40	5	21	19	1.50	<15	1.69	18	21	0.59	352	<4
31991	614	1	0.60	53	8	29	21	2.12	42	1.89	25	25	0.59	490	<4
31992	571	1	0.50	50	6	25	17	1.87	17	1.75	23	25	0.41	382	<4
31993	579	1	0.72	50	7	26	17	1.90	<15	1.56	24	20	0.46	482	<4
31994	497	1	2.38	38	5	24	11	1.51	39	1.70	15	32	0.92	275	<4
31995	506	1	5.26	37	5	20	12	1.53	29	1.31	16	21	0.46	220	<4
31996	534	1	1.43	43	5	20	12	1.43	<15	1.60	17	23	0.55	288	<4
31997	513	1	1.58	39	5	22	14	1.53	<15	1.76	17	28	0.70	323	<4
31998	475	1	2.01	30	5	21	10	1.41	<15	1.72	13	32	0.99	242	<4
31999	569	1	0.67	48	5	26	16	1.95	<15	1.76	22	26	0.49	330	<4
32000	534	1	1.51	50	7	27	19	1.93	<15	1.90	22	33	0.76	444	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE FORT SUMNER QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
31965	0.56	<4	10	328	<10	3	70	5	1186	24	4	30	45
31966	0.57	4	15	382	11	4	93	4	1731	36	6	41	57
31967	0.40	7	11	324	12	3	84	6	1684	43	6	29	75
31968	0.57	5	7	171	21	2	60	7	883	20	4	21	30
31969	0.61	6	17	370	27	4	106	<2	1937	39	9	60	57
31970	0.61	7	12	259	22	4	92	9	1830	40	8	40	60
31971	0.68	8	11	310	<10	4	89	<2	2092	38	9	42	75
31972	0.57	7	11	362	<10	3	115	3	1781	34	8	35	61
31973	0.57	6	8	296	13	3	117	2	1899	38	8	34	66
31974	0.56	6	12	356	18	3	102	3	1649	33	8	38	56
31975	0.55	7	7	306	14	3	127	9	1821	37	8	36	62
31976	0.49	4	6	200	18	3	103	4	1258	25	6	22	38
31977	0.59	6	4	163	12	3	118	<2	1406	27	6	42	43
31978	0.79	7	12	308	14	3	117	3	2346	45	8	35	66
31979	0.84	8	11	330	26	4	129	10	2496	47	11	41	70
31980	0.78	7	11	505	25	4	133	4	2156	45	9	46	59
31981	0.86	7	13	335	17	4	124	7	2375	49	10	41	67
31982	0.66	8	14	475	24	4	161	6	2212	53	11	46	60
31983	0.85	7	15	525	23	5	134	5	2457	49	12	53	71
31984	0.91	7	15	475	21	5	137	3	2622	54	13	63	73
31985	0.85	7	12	493	26	5	134	7	2528	51	13	56	75
31986	0.85	6	8	273	20	3	118	<2	1843	36	8	32	51
31987	0.95	8	10	337	27	4	136	5	2167	43	10	37	63
31988	0.85	7	15	268	19	4	124	<2	2182	50	10	37	63
31989	0.81	5	9	318	22	3	116	7	1963	37	8	37	57
31990	0.75	7	13	435	21	4	115	8	1927	41	8	45	54
31991	0.80	8	18	444	26	5	131	10	2568	55	13	54	76
31992	0.86	7	13	346	25	5	129	12	2550	53	12	44	74
31993	0.71	7	14	483	27	5	129	5	2519	50	13	52	74
31994	0.60	6	16	323	25	4	99	11	1708	46	7	41	53
31995	0.55	8	11	305	15	3	129	4	2187	50	8	33	70
31996	0.64	7	12	294	21	3	100	6	1793	41	7	29	54
31997	0.92	6	16	431	16	4	112	4	1893	44	7	38	55
31998	1.08	4	11	344	<10	3	94	6	1671	39	5	27	53
31999	0.85	9	12	382	20	5	136	2	2610	54	11	52	74
32000	0.69	8	16	576	25	5	113	9	2143	51	11	57	67

NOMENCLATURE

EXPLANATION OF CODES USED

SAMPLE = LANL SAMPLE LOCATION NUMBER: A unique six-place designator permanently assigned to every location sampled.

STAT = STATE: A two-digit Federal Information Processing Standards (FIPS) code that designates the state from which each sample came. The code for New Mexico is 35.

LAT,LONG = LATITUDE AND LONGITUDE: Sample location, in degrees and decimal degrees to four places. Although generally much better, locational accuracy cannot be guaranteed closer than approximately 300 m (1,000 ft).

LAB = DOE LABORATORY: A Department of Energy (DOE) one-digit identifier designating the DOE laboratory responsible for taking the samples and field data shown in the listings. LANL is designated by the numeral 2.

NTYP = SAMPLE TYPE: A two-digit identifier which specifically designates the pertinent properties defining the sample type to which the listed data relate. This numerical key provides the necessary tie between the specific type or form of each sample taken and each individual suite of field and laboratory data to which the sample relates. All samples in this report are:

06 - Spring water sample filtered through a 0.45-μ membrane filter and acidified to a pH of <1 with reagent-grade nitric acid (HNO_3).

07 - Stream water sample filtered through a 0.45-μ membrane filter and acidified to a pH of <1 with reagent-grade nitric acid (HNO_3).

08 - Well water sample filtered through a 0.45-μ membrane filter and acidified to a pH of <1 with reagent-grade nitric acid (HNO_3).

09 - Natural pond water sample filtered through an 0.45-μ membrane filter and acidified to a pH of ≤1 with reagent-grade nitric acid (HNO_3).

10 - Pond water sample filtered through a 0.45-μ membrane filter and acidified to a pH of <1 with reagent-grade nitric acid (HNO_3).

11 - Wet spring sediment dried at ≤100°C and sieved to -100 mesh.

12 - Wet stream sediment dried at ≤100°C and sieved to -100 mesh.

13 - Wet natural pond sediment dried at ≤100°C and sieved to -100 mesh.

14 - Wet artificial pond sediment dried at ≤100°C and sieved to -100 mesh.

15 - Dry stream sediment dried at ≤100°C and sieved to -100 mesh.

27 - Stream water sample acidified to a pH <1 with nitric acid (HNO_3).

28 - Lake water sample acidified to a pH <1 with nitric acid (HNO_3).

96 - Dry natural pond sediment sample dried at ≦100°C (if necessary) and sieved to -100 mesh through stainless steel sieves.

97 - Dry artificial pond sediment dried at ≦100°C and sieved to -100 mesh.

REP = REPLICATE: A three-digit sequential number assigned to indicate a multiple sample of a single sample type from a single location. The largest number in use indicates the most recent sample taken and there will always be all smaller sequential numbers representing earlier samples back to 0, which is the initial sample from any given location. Except in the case of special studies, there will be no replicate samples and this entry will therefore be a single zero.

DATE = The date the sample was taken, in terms of the number of the month, followed by the day, and finally the year, separated by slashes.

HOUR = The time it was taken on that date to the nearest whole hour on a 24-hour clock.

ATEM = AIR TEMPERATURE: The temperature measured in the shade at the time of sampling, to the nearest whole degree Celsius (°C).

WTEM = WATER TEMPERATURE: The temperature measured in the sample water (in situ whenever possible) at the time of sampling, to the nearest one-half of one degree Celsius (0.5°C).

COMM = COMMENTS: A "C" in this column indicates that some secondary comment not included in the listing was recorded at the sample location.

MEAS = SPECIAL MEASUREMENTS: An "S" in this column indicates that one or more field measurements in addition to those listed were made at the sample location.

PH = The pH, to the nearest one-tenth (0.1) of a pH unit, measured in the water at the sample location at the time of sampling.

CT-F = CONDUCTIVITY: The conductivity, in μmhos/cm, measured in the water at the sample location at the time of sampling.

SCIN = SCINTILLOMETER: The equivalent uranium (eU), in ppm, as measured on a flat ground surface within 10 m of the sample location using a scintillometer fitted with a differential gamma sampler (DGS). The effect of the DGS is to introduce a fixed geometry into the measurement and remove the background.

RTYP = ROCK TYPE: The single digit in this column provides a general description of the dominant lithologic regime at or near the sample location, as given below.

1 = Sedimentary	3 = Igneous
2 = Metamorphic	4 = Unknown

RCOL = ROCK COLOR: The single digit in this column provides an indication of the observed dominant color of local bedrock exposures at or near the sample location, as given below.

1 = White/Buff	4 = Pink/Red	7 = Gray
2 = Yellow	5 = Green	8 = Black
3 = Orange	6 = Brown	9 = Other

STYP = SEDIMENT TYPE: The single digit in this column provides a subjective evaluation of the dominant sediment type at the sample location, as given below.

1 = Boulders	4 = Sand	7 = Other
2 = Cobbles	5 = Mud	
3 = Gravel	6 = Muck	

SCOL = SEDIMENT COLOR: The single digit in this column indicates the observed dominant color of the bottom sediment (stream channel, lake bed, etc.) at the sample location at the time of sampling as given below.

1 = White/Buff	4 = Pink/Red	7 = Gray
2 = Yellow	5 = Green	8 = Black
3 = Orange	6 = Brown	9 = Other

FLOW = WATER FLOW: The single digit in this column provides a subjective evaluation of the water movement at the sample location at the time of sampling, as given below.

1 = Stagnant	3 = Moderate	5 = Torrent
2 = Slow	4 = Fast	

SLVL = WATER LEVEL: The single digit in this column provides a subjective estimate of water quantity at the time of sampling, relative to the usual condition at the sample location, as given below.

1 = Dry	3 = Normal	5 = Flood
2 = Low	4 = High	

WCOL = WATER COLOR: The single digit in this column provides a subjective evaluation of suspended load in the sample water, as given below.

1 = Clear	3 = Cloudy	5 = Algal
2 = Murky	4 = Muddy	6 = Other

STCH = STREAM CHANNEL: The single digit here gives a subjective evaluation of stream channel character at the sample location at the time of sampling, as given below.

1 = Depositing	2 = Eroding	3 = Unknown

TVEG = VEGETATION TYPE: The single digit in this column provides a subjective evaluation of the dominant plant type in the vicinity of the sample location, as given below.

1 = Conifers	4 = Grass	7 = Other
2 = Deciduous	5 = Moss	
3 = Brush	6 = Marsh	

DVEG = VEGETATION DENSITY: The single digit in this column provides a subjective estimate of the amount of plant cover in the vicinity of the sample location, as given below.

1 = Barren	3 = Moderate	5 = Very Dense
2 = Sparse	4 = Dense	

RELF = RELIEF: The single digit in this column provides a subjective evaluation of the topography within a few hundred meters of the sample location, as given below.

1 = Flat	3 = Gentle (15-60 m)	5 = High (>300 m)
2 = Low (<15 m)	4 = Moderate (60-300 m)	6 = Other

SKY = WEATHER: The single digit in this column gives the observed climatic condition at the sample location at the time of sampling, as given below.

1 = Clear	3 = Overcast	5 = Snowy
2 = Partly Cloudy	4 = Rainy	6 = Other

CAMT = CONTAMINANTS: The single digit here indicates known or suspected local factors likely to influence analytical results, as given below.

1 = None	4 = Industry	7 = Urban
2 = Mining	5 = Sewage	8 = Recreation
3 = Agriculture	6 = Power generation	9 = Other

TWEL = WELL TYPE: If a well water sample, the single digit in this column provides a general description of the type of well from which the sample was taken, as given below.

1 = Windmill-stock	4 = Suction pump	7 = Hand ball
2 = Windmill-domestic	5 = Jet pump	8 = Unknown
3 = Submersible pump	6 = Large turbine	9 = Other

DIAM = WELL DIAMETER: When shown, the one or two digits in this column give the measured or estimated inside diameter, in inches, of the well casing from which the water sample came.

W-DP = WELL DEPTH: When shown, the one, two, or three digits in this column give the total drilled depth from the surface, in feet, of the well from which the sample came. Three 9s in this column indicates a well depth greater than 1,000 ft.

WATD = WATER DEPTH: When shown, the one, two, or three digits in this column give the known depth, in feet, from the surface to the standing water in the well. A -1 in this column indicates a flowing artesian well.

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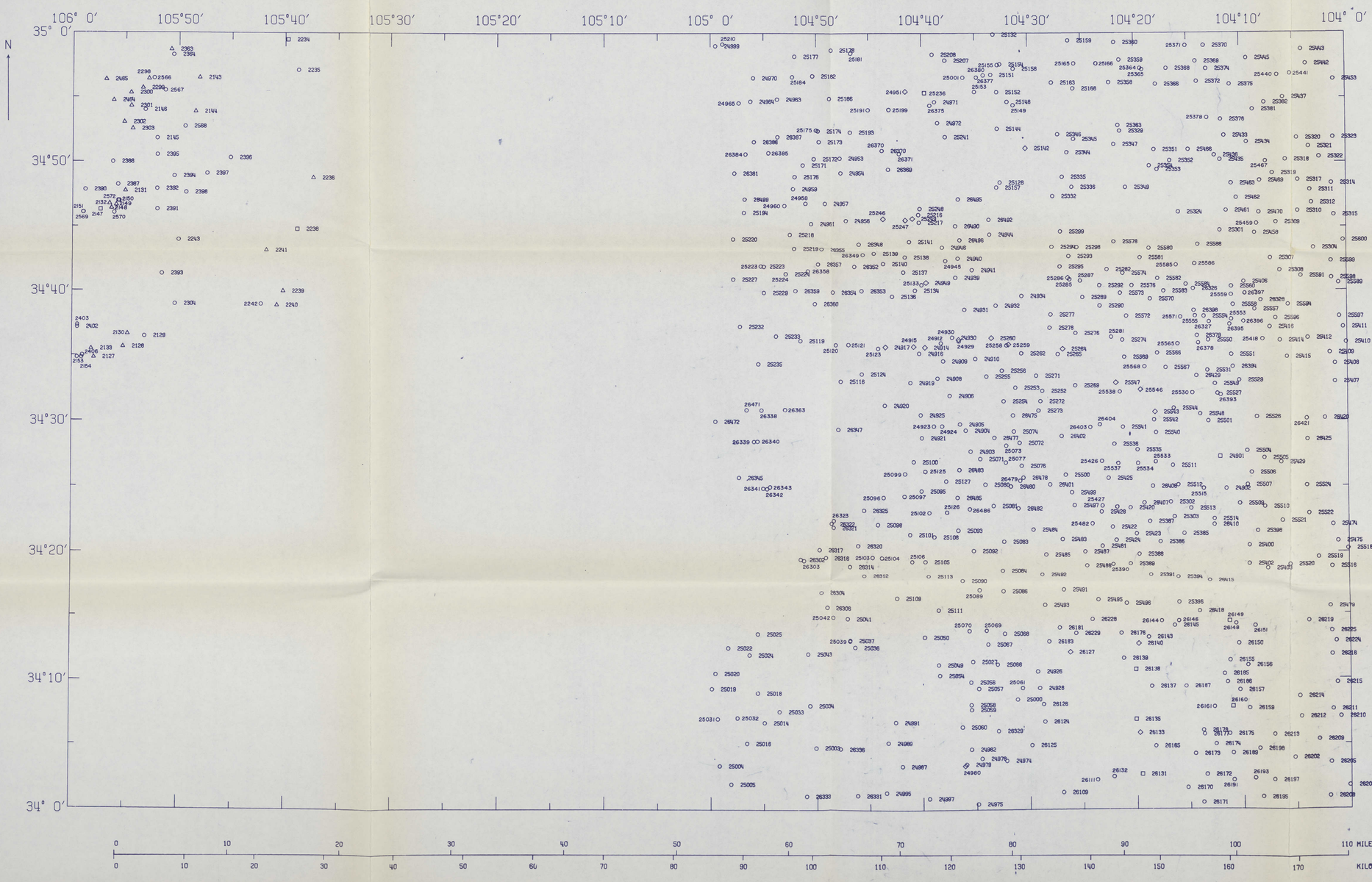
APPENDIX

MICROFICHE OF FIELD AND LABORATORY DATA

APPENDIX

MICROFICHE OF FIELD AND LABORATORY DATA

CONTENTS



LEGEND

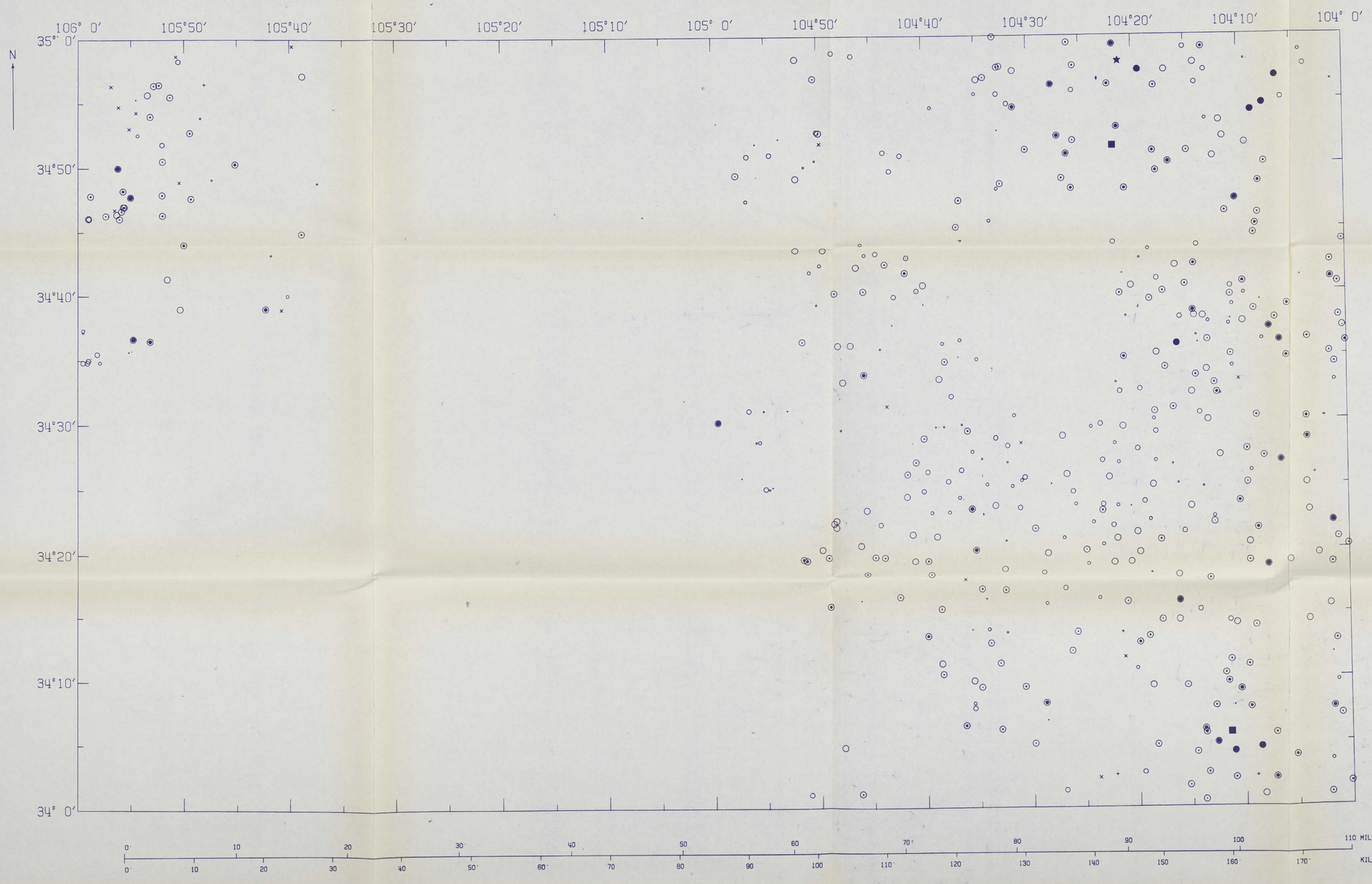
- △ NATURAL LAKE OR POND WATER
- ○ WELL WATER
- □ STREAM WATER
- ◇ SPRING WATER

PLATE 1
FORT SUMNER QUADRANGLE
WATER SAMPLE LOCATION MAP

LANL SAMPLE NUMBER

SCALE 1: 250000

647 SAMPLES PLOTTED



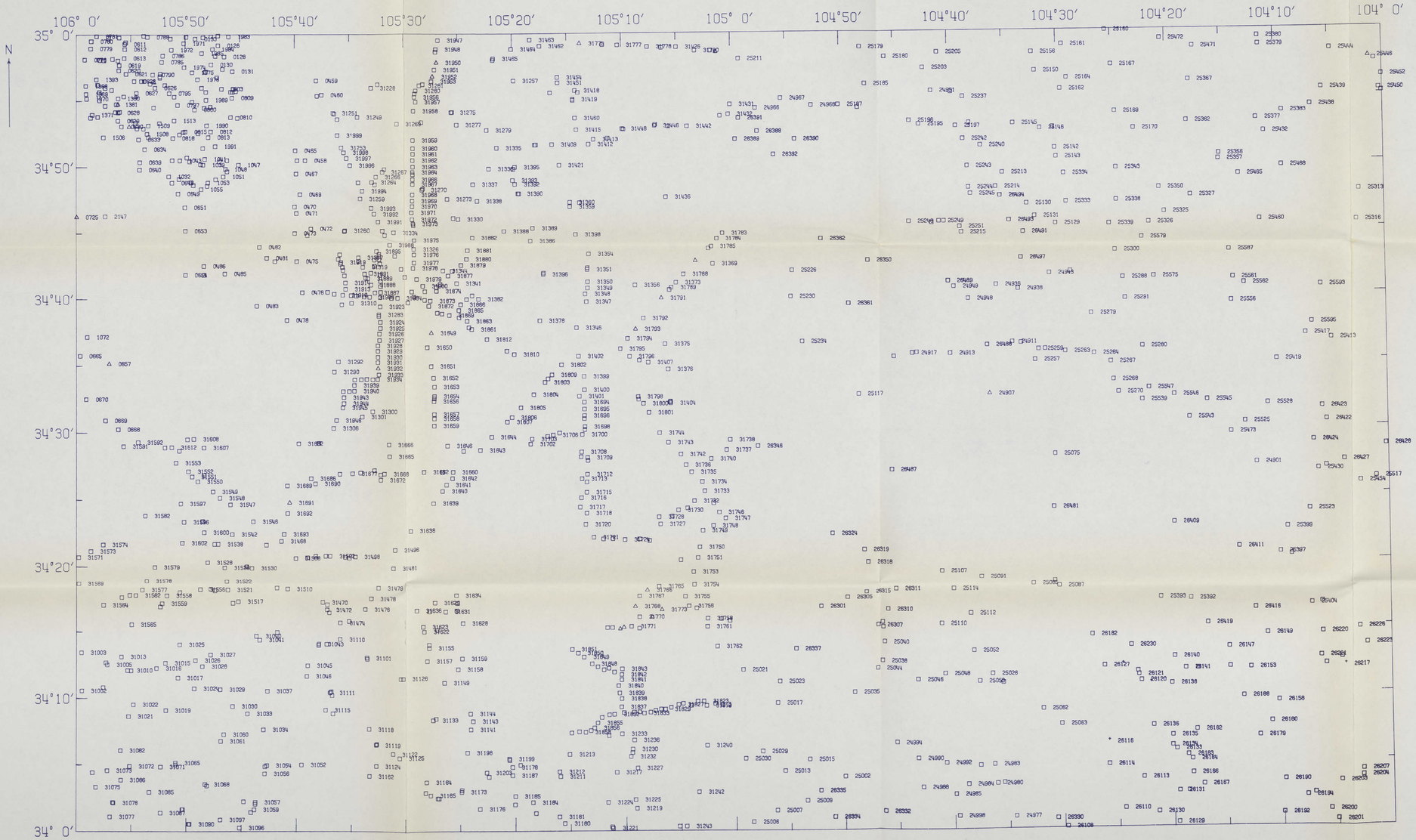
SYMBOL RANGES FOR PLOTTED VARIABLE (X)

+	0.0 ≤ X < 0.50
×	0.50 ≤ X < 1.34
·	1.34 ≤ X < 2.54
◦	2.54 ≤ X < 3.84
○	3.84 ≤ X < 6.47
○	6.47 ≤ X < 10.00
⊙	10.00 ≤ X < 17.05
⊙	17.05 ≤ X < 23.42
⊙	23.42 ≤ X < 37.31
◉	37.31 ≤ X < 56.43
◉	56.43 ≤ X < 69.57
●	69.57 ≤ X < 113.32
■	113.32 ≤ X < 464.38
★	464.38 ≤ X < 3077.39
	X ≥ 3077.39

PLATE 2
FØRT SUMNER QUADRANGLE
SYMBOL PLØT
WATER SAMPLE
URANIUM

SCALE 1: 250000

462 SAMPLES PLØTTED



NOTE: DUE TO THE HIGH DENSITY OF SAMPLES, LOCATIONS OF THE FOLLOWING SAMPLES ARE INICATED BY THE SYMBOL ONLY (SEE LEGEND FOR SYMBOL IDENTIFICATION).

DATA FOR UNLABELED SAMPLE POINTS

NUMBER	LAT.	LONG.											
0130	34° 58′	105° 47′	1510	34° 53′	105° 54′	31076	34° 4′	105° 59′	31471	34° 17′	105° 37′	31786	34° 44′	105° 2′	31908	34° 40′	105° 36′
0132	34° 57′	105° 47′	1511	34° 54′	105° 53′	31079	34° 2′	105° 57′	31473	34° 18′	105° 37′	31787	34° 43′	105° 3′	31909	34° 40′	105° 35′
0466	34° 51′	105° 45′	1512	34° 53′	105° 52′	31081	34° 1′	105° 50′	31475	34° 18′	105° 35′	31790	34° 41′	105° 8′	31911	34° 40′	105° 36′
0480	34° 43′	105° 42′	1969	34° 55′	105° 38′	31082	34° 2′	105° 50′	31476	34° 21′	105° 35′	31791	34° 35′	105° 8′	31912	34° 41′	105° 37′
0614	34° 58′	105° 56′	1970	34° 62′	105° 50′	31083	34° 2′	105° 50′	31509	34° 21′	105° 35′	31799	34° 36′	105° 8′	31915	34° 42′	105° 35′
0615	34° 58′	105° 57′	1977	34° 57′	105° 47′	31098	34° 1′	105° 44′	31503	34° 21′	105° 37′	31808	34° 36′	105° 17′	31916	34° 42′	105° 36′
0616	34° 58′	105° 57′	1978	34° 57′	105° 48′	31099	34° 2′	105° 45′	31504	34° 21′	105° 38′	31811	34° 36′	105° 21′	31917	34° 43′	105° 36′
0617	34° 58′	105° 58′	1979	34° 57′	105° 48′	31102	34° 13′	105° 33′	31506	34° 21′	105° 39′	31813	34° 15′	105° 9′	31918	34° 43′	105° 36′
0623	34° 57′	105° 54′	1980	34° 60′	105° 47′	31109	34° 14′	105° 37′	31511	34° 18′	105° 42′	31815	34° 15′	105° 10′	31920	34° 43′	105° 36′
0624	34° 57′	105° 54′	1981	34° 60′	105° 48′	31112	34° 10′	105° 37′	31514	34° 17′	105° 46′	31816	34° 15′	105° 10′	31921	34° 43′	105° 36′
0625	34° 56′	105° 53′	1982	34° 60′	105° 48′	31114	34° 10′	105° 37′	31529	34° 20′	105° 44′	31817	34° 15′	105° 11′	31935	34° 34′	105° 33′
0631	34° 53′	105° 55′	1987	34° 56′	105° 48′	31116	34° 9′	105° 37′	31533	34° 22′	105° 43′	31818	34° 15′	105° 12′	31936	34° 34′	105° 33′
0632	34° 53′	105° 54′	1988	34° 56′	105° 48′	31125	34° 7′	105° 33′	31540	34° 22′	105° 47′	31820	34° 8′	105° 2′	31937	34° 34′	105° 34′
0782	34° 60′	105° 57′	1992	34° 51′	105° 48′	31127	34° 10′	105° 30′	31554	34° 18′	105° 47′	31821	34° 8′	105° 1′	31938	34° 34′	105° 35′
0783	34° 60′	105° 56′	1994	34° 51′	105° 50′	31128	34° 9′	105° 27′	31555	34° 18′	105° 48′	31822	34° 8′	105° 2′	31941	34° 33′	105° 35′
0786	34° 59′	105° 54′	1996	34° 54′	105° 50′	31156	34° 9′	105° 28′	31557	34° 19′	105° 51′	31824	34° 10′	105° 3′	31942	34° 33′	105° 36′
0787	34° 60′	105° 54′	2000	34° 55′	105° 53′	31166	34° 9′	105° 28′	31560	34° 17′	105° 52′	31825	34° 8′	105° 4′	31943	34° 33′	105° 36′
0788	34° 60′	105° 54′	2001	34° 55′	105° 52′	31167	34° 9′	105° 27′	31561	34° 18′	105° 55′	31826	34° 8′	105° 5′	31954	34° 56′	105° 28′
0790	34° 57′	105° 52′	2002	34° 53′	105° 55′	31169	34° 9′	105° 27′	31563	34° 19′	105° 56′	31828	34° 8′	105° 6′	31955	34° 56′	105° 28′
0791	34° 57′	105° 52′	2003	34° 53′	105° 55′	31170	34° 9′	105° 25′	31564	34° 23′	105° 56′	31829	34° 8′	105° 7′	31956	34° 56′	105° 28′
0792	34° 57′	105° 52′	2004	34° 53′	105° 55′	31176	34° 9′	105° 25′	31565	34° 23′	105° 56′	31830	34° 8′	105° 8′	31981	34° 41′	105° 29′
0794	34° 56′	105° 52′	2005	34° 53′	105° 55′	31200	34° 9′	105° 25′	31567	34° 23′	105° 56′	31831	34° 8′	105° 8′	31982	34° 41′	105° 29′
0796	34° 55′	105° 52′	2006	34° 53′	105° 55′	31202	34° 9′	105° 25′	31568	34° 23′	105° 56′	31832	34° 8′	105° 8′	31983	34° 41′	105° 29′
0801	34° 54′	105° 49′	2007	34° 53′	105° 55′	31205	34° 9′	105° 25′	31569	34° 23′	105° 56′	31833	34° 8′	105° 9′	31984	34° 41′	105° 29′
0802	34° 54′	105° 48′	2008	34° 53′	105° 55′	31206	34° 9′	105° 25′	31570	34° 23′	105° 56′	31834	34° 8′	105° 9′	31985	34° 41′	105° 30′
0803	34° 56′	105° 48′	2009	34° 53′	105° 55′	31207	34° 9′	105° 25′	31571	34° 23′	105° 56′	31835	34° 8′	105° 9′	31986	34° 41′	105° 30′
0811	34° 54′	105° 49′	2010	34° 53′	105° 55′	31208	34° 9′	105° 25′	31572	34° 23′	105° 56′	31836	34° 8′	105° 9′	31987	34° 41′	105° 30′
0812	34° 53′	105° 49′	2011	34° 53′	105° 55′	31209	34° 9′	105° 25′	31573	34° 23′	105° 56′	31837	34° 8′	105° 9′	31988	34° 41′	105° 30′
0813	34° 53′	105° 49′	2012	34° 53′	105° 55′	31210	34° 9′	105° 25′	31574	34° 23′	105° 56′	31838	34° 8′	105° 9′	31989	34° 41′	105° 30′
0814	34° 53′	105° 50′	2013	34° 53′	105° 55′	31211	34° 9′	105° 25′	31575	34° 23′	105° 56′	31839	34° 8′	105° 9′	31990	34° 41′	105° 30′
0815	34° 53′	105° 50′	2014	34° 53′	105° 55′	31212	34° 9′	105° 25′	31576	34° 23′	105° 56′	31840	34° 8′	105° 9′	31991	34° 41′	105° 30′
0816	34° 53′	105° 50′	2015	34° 53′	105° 55′	31213	34° 9′	105° 25′	31577	34° 23′	105° 56′	31841	34° 8′	105° 9′	31992	34° 41′	105° 30′
1033	34° 49′	105° 49′	2016	34° 53′	105° 55′	31214	34° 9′	105° 25′	31578	34° 23′	105° 56′	31842	34° 8′	105° 9′	31993	34° 41′	105° 30′
1034	34° 49′	105° 49′	2017	34° 53′	105° 55′	31215	34° 9′	105° 25′	31579	34° 23′	105° 56′	31843	34° 8′	105° 9′	31994	34° 41′	105° 30′
1035	34° 49′	105° 49′	2018	34° 53′	105° 55′	31216	34° 9′	105° 25′	31580	34° 23′	105° 56′	31844	34° 8′	105° 9′	31995	34° 41′	105° 30′
1038	34° 49′	105° 49′	2019	34° 53′	105° 55′	31217	34° 9′	105° 25′	31581	34° 23′	105° 56′	31845	34° 8′	105° 9′	31996	34° 41′	105° 30′
1042	34° 50′	105° 49′	2020	34° 53′	105° 55′	31218	34° 9′	105° 25′	31582	34° 23′	105° 56′	31846	34° 8′	105° 9′	31997	34° 41′	105° 30′
1043	34° 50′	105° 49′	2021	34° 53′	105° 55′	31219	34° 9′	105° 25′	31583	34° 23′	105° 56′	31847	34° 8′	105° 9′	31998	34° 41′	105° 30′
1044	34° 50′	105° 49′	2022	34° 53′	105° 55′	31220	34° 9′	105° 25′	31584	34° 23′	105° 56′	31848	34° 8′	105° 9′	31999	34° 41′	105° 30′
1045	34° 50′	105° 49′	2023	34° 53′	105° 55′	31221	34° 9′	105° 25′	31585	34° 23′	105° 56′	31849	34° 8′	105° 9′	32000	34° 34′	105° 35′
1046	34° 50′	105° 49′	2024	34° 53′	105° 55′	31222	34° 9′	105° 25′	31586	34° 23′	105° 56′	31850	34° 8′	105° 9′			
1047	34° 50′	105° 49′	2025	34° 53′	105° 55′	31223	34° 9′	105° 25′	31587	34° 23′	105° 56′	31851	34° 8′	105° 9′			
1048	34° 50′	105° 49′	2026	34° 53′	105° 55′	31224	34° 9′	105° 25′	31588	34° 23′	105° 56′	31852	34° 8′	105° 9′			
1049	34° 50′	105° 49′	2027	34° 53′	105° 55′	31225	34° 9′	105° 25′	31589	34° 23′	105° 56′	31853	34° 8′	105° 9′			
1050	34° 50′	105° 49′	2028	34° 53′	105° 55′	31226	34° 9′	105° 25′	31590	34° 23′	105° 56′	31854	34° 8′	105° 9′			
1051	34° 50′	105° 49′	2029	34° 53′	105° 55′	31227	34° 9′	105° 25′	31591	34° 23′	105° 56′	31855	34° 8′	105° 9′			
1052	34° 50′	105° 49′	2030	34° 53′	105° 55′	31228	34° 9′	105° 25′	31592	34° 23′	105° 56′	31856	34° 8′	105° 9′			
1053	34° 50′	105° 49′	2031	34° 53′	105° 55′	31229	34° 9′	105° 25′	31593	34° 23′	105° 56′	31857	34° 8′	105° 9′			
1054	34° 50′	105° 49′	2032	34° 53′	105° 55′	31230	34° 9′	105° 25′	31594	34° 23′	105° 56′	31858	34° 8′	105° 9′			
1055	34° 50′	105° 49′	2033	34° 53′	105° 55′	31231	34° 9′	105° 25′	31595	34° 23′	105° 56′	31859	34° 8′	105° 9′			
1056	34° 50′	105° 49′	2034	34° 53′	105° 55′	31232	34° 9′	105° 25′	31596	34° 23′	105° 56′	31860	34° 8′	105° 9′			
1057	34° 50′	105° 49′	2035	34° 53′	105° 55′	31233	34° 9′	105° 25′	31597	34° 23′	105° 56′	31861	34° 8′	105° 9′			

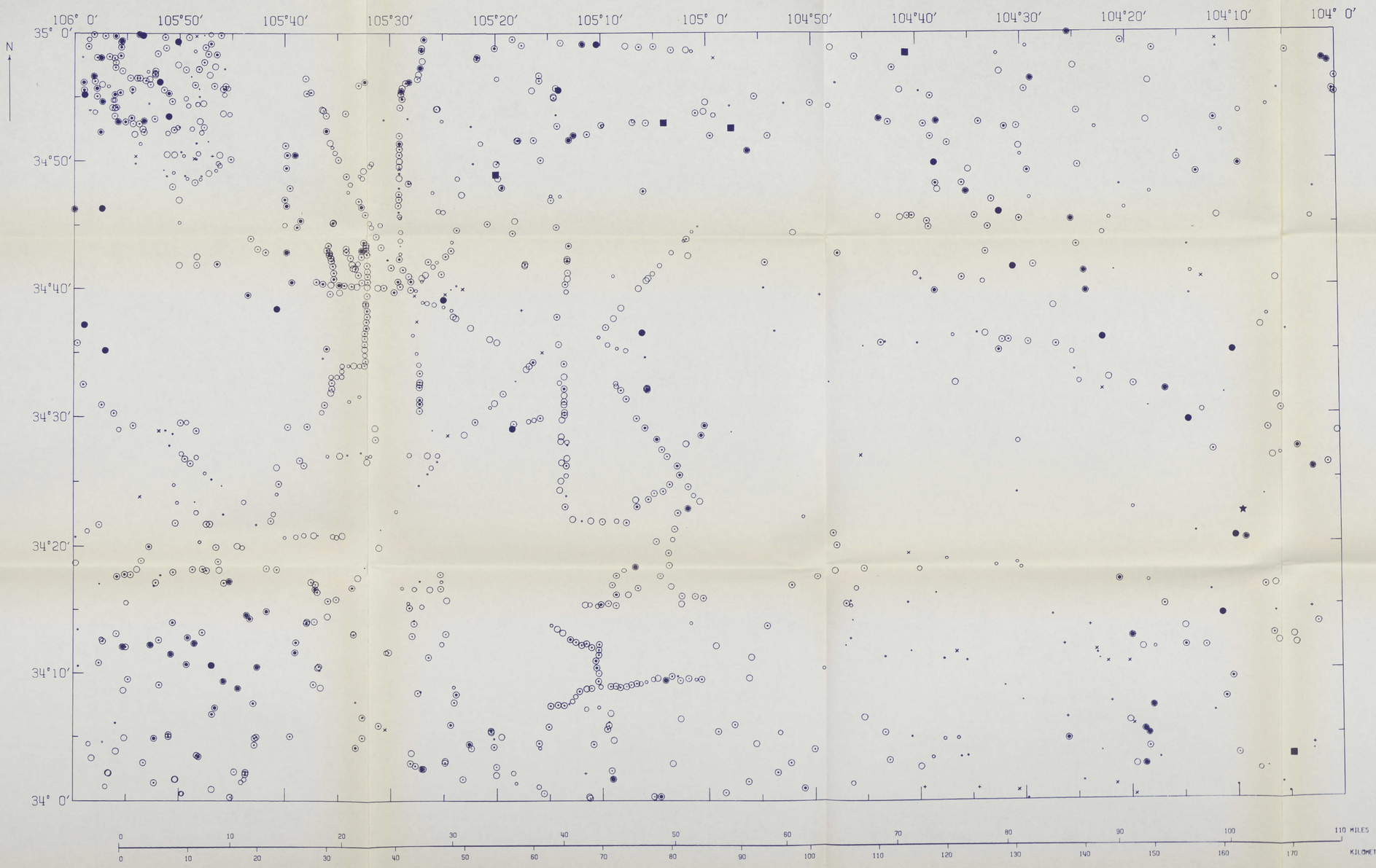
LEGEND

- □ STREAM SEDIMENT
- △ NATURAL LAKE OR POND SEDIMENT
- \+ OTHER SEDIMENT

PLATE 3
FORT SUMNER QUADRANGLE
SEDIMENT SAMPLE LOCATION MAP
LANL SAMPLE NUMBER

SCALE 1: 250000

1136 SAMPLES PLOTTED



SYMBOL RANGES FOR PLOTTED VARIABLE (X)

+	0.0 ≤ X <	1.6
×	1.6 ≤ X <	1.8
·	1.8 ≤ X <	1.9
∘	1.9 ≤ X <	2.1
○	2.1 ≤ X <	2.2
○	2.2 ≤ X <	2.3
○	2.3 ≤ X <	2.4
⊙	2.4 ≤ X <	2.5
⊙	2.5 ≤ X <	2.7
⊙	2.7 ≤ X <	2.8
◉	2.8 ≤ X <	2.9
◉	2.9 ≤ X <	3.3
●	3.3 ≤ X <	4.2
■	4.2 ≤ X <	7.8
★	X ≥	7.8

PLATE 4
FORT SUMNER QUADRANGLE
SYMBOL PLOT
SEDIMENT SAMPLE
URANIUM NEUTRON ACTIVATION

SCALE 1: 250000

1127 SAMPLES PLOTTED