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NATIONAL URANIUM RESOURCE EVALUATION PROGRAM

HYDROGEOCHEMICAL AND STREAM SEDIMENT
RECONNAISSANCE BASIC DATA FOR
LAS CRUCES QUADRANGLE, NEW MEXICO

MASTER

Uranium Resource Evaluation Project

August 31, 1981

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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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ABSTRACT

Field and laboratory data are presented for 501 water samples and 1,817 sediment samples from the Las Cruces Quadrangle, New Mexico. The samples were collected and uranium analysis performed by Los Alamos National Laboratory; multielement analysis and data reporting were performed by the Uranium Resource Evaluation Project at Oak Ridge, Tennessee.

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HYDROGEOCHEMICAL AND STREAM SEDIMENT
RECONNAISSANCE BASIC DATA FOR
LAS CRUCES 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 501 water samples and 1,817 sediment samples from the Las Cruces Quadrangle (Figure 1) were received from LANL for multielement analysis by the Uranium Resource Evaluation (URE) Project laboratory in Oak Ridge, Tennessee. Multielement 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 LAS CRUCES 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

Uranium analyses were performed by LANL. Multi-element analytical procedures which were used are described by Cagle (1977) and Arendt, et al (December 1979). Detection 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 the mean. Five water samples, approximately 1% of the total, (034094, 006093, 035662, 035281, and 007124) 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 035309, 035501, 007939, 035515, 035685, 034428, 036204, 035304, 035312, 035306, 007343, 035505, and 035281.

DATA PRESENTATION

Water sample site locations are shown on Plate 1 and a symbol plot for uranium (ppb) is shown on Plate 2. Sediment site locations are shown on Plate 3 and a symbol plot for uranium (ppm) is shown on Plate 4. The lognormal probability distribution and frequency plots for uranium in

Table 1

DETECTION LIMITS OF VARIABLES DETERMINED IN WATER AND SEDIMENT SAMPLES

Variable	Method	Detection Limits	
		Sediment (ppm)	Water (ppb)
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 LAS CRUCES QUADRANGLE

Element	Method	Batch L-4				Batch H-4			
		No. of Samples	Mean (ppb)	Standard Deviation (ppb)	Coefficient of Variation	No. of Samples	Mean (ppb)	Standard Deviation (ppb)	Coefficient of Variation
AL	PS(a)	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) Plasma source emission spectroscopy.

Table 3

SUMMARY OF MEASUREMENTS CONTROL RESULTS OBTAINED WITH SEDIMENT SAMPLES FROM THE LAS CRUCES QUADRANGLE

Element	Method	Batch Q-1				Batch R-3				Batch S-3			
		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
Al	PS(a)	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	9.70	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	5,600.0	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	11,886.0	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	56.0	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) Plasma source emission spectroscopy.

water and sediment samples (Figures 2a, 2b, and 3a, 3b, respectively) are shown. Water data are 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 LAS CRUCES QUADRANGLE

Figure 3

LOGNORMAL PROBABILITY AND FREQUENCY PLOTS FOR URANIUM (PPM)
IN SEDIMENTS OF THE LAS CRUCES QUADRANGLE

Table 4

STATISTICAL SUMMARY FOR WATERS OF THE LAS CRUCES QUADRANGLE

NO. SAMPLES ANALYZED														
BELOW														
MEASURABLE		DETECTION	DETECTION	MINIMUM	MAXIMUM	MEAN	MEDIAN	MODE	STANDARD	COEFFICIENT	LN. TRANSFORMATION			
ELEMENT	VALUES	LIMIT	LIMIT	VALUE	VALUE						DEVIATION	OF	VARIATION	MEAN
ROBUST														
U	501			0.10	70.10	3.66	2.37	2.46	5.401	1.477	0.74	1.10	0.78	1.11
AG	136	315	<2	<2	27	4	<2	<2	2.7	0.6	1.40	0.50		
AL	419	82	<10	<10	22362	367	77	<10	1459.0	4.0	4.72	1.31	4.25	1.73
B	500	1	<4	<4	7959	255	109	33	541.0	2.1	4.83	1.11	4.81	1.06
BA	501			3	1846	84	48	23	124.2	1.5	3.50	1.01	3.90	1.04
BE	20	481	<1	<1	20	2	<1	<1	4.3	1.8	0.35	0.77		
CA	501			1.0	880.9	91.6	54.9	43.2	119.61	1.31	3.98	1.09	4.01	1.09
CE	87	414	<30	<30	143	47	<30	<30	16.6	0.3	3.82	0.29		
CO	187	314	<2	<2	44	6	<2	<2	4.7	0.8	1.58	0.64		
CR	268	233	<4	<4	651	14	<4	<4	40.7	2.7	2.29	0.72		
CU	451	50	<2	<2	2548	28	12	<2	125.1	4.4	2.68	0.94	2.49	1.10
FE	492	3	<10	<10	64849	545	114	38	3359.1	6.2	4.88	1.29	4.80	1.24
K	501			0.2	119.8	8.6	4.4	2.8	13.28	1.55	1.59	1.00	1.57	1.03
LI	492	9	<2	<2	995	64	36	19	91.0	1.4	3.55	1.15	3.52	1.26
MG	458	3	<0.1	<0.1	1282.0	27.8	13.3	11.0	77.67	2.79	2.63	1.15	2.66	1.07
MN	488	13	<2	<2	28403	154	9	3	1332.4	8.6	2.69	1.56	2.44	1.76
MO	317	184	<4	<4	2164	27	7	<4	127.8	4.6	2.64	0.83		
NA	501			0.8	99999.0	352.0	77.3	42.8	4473.94	12.71	4.36	1.18	4.35	1.10
NI	337	164	<4	<4	1874	56	9	<4	184.4	3.1	2.90	1.16	2.14	1.68
P	187	314	<40	<40	12374	300	<40	<40	1227.7	4.1	4.71	0.99		
SC	39	462	<1	<1	8	1	<1	<1	1.5	0.9	0.35	0.59		
SI	501			0.4	157.1	29.5	26.0	18.6	18.33	0.62	3.20	0.66	3.23	0.65
SR	501			11	25680	1305	568	321	2421.6	1.9	6.47	1.11	6.46	1.13
TI	275	226	<2	<2	309	8	<2	<2	22.6	2.6	1.61	0.83		
V	425	76	<4	<4	1050	50	21	<4	81.4	1.6	3.33	1.03	2.98	1.33
Y	220	281	<1	<1	12	1	<1	<1	1.5	0.9	0.34	0.52		
ZN	499	2	<4	<4	76303	583	148	33	3582.7	6.1	5.11	1.33	5.07	1.28
ZR	221	280	<2	<2	41	3	<2	<2	6.2	0.7	1.89	0.71		
PH	495			5.3	9.4	7.2	7.2	7.3	0.68	0.09				
CT-F	493			30	48000	958	500	496	2758.5	2.9	6.28	0.89	6.26	0.92

Table 5

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
6007	W	35	32.194	107.650	2	08	01/02/76	12	4.0	13.8	C		7.8	890
6004	W	35	32.199	107.682	2	08	01/02/76	12	5.0	21.8	C		7.4	275
6005	W	35	32.196	107.697	2	08	01/02/76	13	6.0	16.5	C		7.7	272
6006	W	35	32.228	107.751	2	08	01/03/76	8	<5.0	9.0	C		8.4	292
6007	W	35	32.212	107.759	2	08	01/03/76	9	4.0	21.5	C		7.8	320
6009	W	35	32.199	107.724	2	08	01/03/76	10	<1.0	6.0	C		8.0	387
6009	W	35	32.195	107.681	2	08	01/03/76	10	<3.0	14.8	C		8.5	295
6011	W	35	32.169	107.603	2	08	01/03/76	12	8.0	17.0	C		7.9	590
6012	W	35	32.179	107.611	2	08	01/03/76	12	5.0	13.8	C		7.7	435
6013	W	35	32.173	107.631	2	08	01/03/76	13	4.0	15.2	C		7.5	500
6014	W	35	32.164	107.714	2	08	01/03/76	13	5.0	10.5	C		7.9	312
6015	W	35	32.145	107.735	2	08	01/03/76	14	7.0	18.2	C		7.8	298
6016	W	35	32.154	107.752	2	08	01/03/76	14	5.0	17.0	C		7.8	290
6017	W	35	32.137	107.758	2	08	01/03/76	15	6.0	19.8	C		8.4	340
6018	W	35	32.137	107.810	2	08	01/03/76	15	5.0	20.0	C		7.8	282
6019	W	35	32.169	107.801	2	08	01/03/76	15	6.0	10.8	C		7.4	290
6020	W	35	32.182	107.821	2	08	01/03/76	16	5.0	15.2	C		6.8	280
6021	W	35	32.268	107.661	2	08	01/04/76	9	4.0	5.2	C		7.3	550
6023	L	35	32.269	107.563	2	10	01/04/76	10	4.0		C		7.1	550
6025	W	35	32.309	107.784	2	08	01/11/76	15	14.0	19.5	C		7.7	297
6027	W	35	32.270	107.456	2	08	01/04/76	12	10.0	4.5	C		8.3	360
6038	W	35	32.387	107.509	2	08	01/05/76	10	5.0	2.5	C		7.8	350
6039	L	35	32.410	107.526	2	10	01/05/76	11	10.0	2.5	C		6.8	250
6043	W	35	32.576	107.450	2	08	01/05/76	13	8.0	5.5	C		7.7	362
6045	W	35	32.449	107.557	2	08	01/05/76	14	9.0	6.5	C		8.2	442
6047	W	35	32.237	107.809	2	08	01/06/76	10	9.0	10.0	C		7.4	510
6048	W	35	32.242	107.844	2	08	01/06/76	11	14.0	9.5	C		7.5	310
6050	W	35	32.246	107.870	2	08	01/06/76	13	12.0	18.0	C		7.2	320
6051	W	35	32.211	107.853	2	08	01/06/76	14	14.0	18.2	C		7.3	430
6052	W	35	32.188	107.842	2	08	01/06/76	15	13.0	20.0	C		7.4	280
6053	W	35	32.246	107.789	2	08	01/06/76	17	10.0	21.0	C		7.3	320
6055	W	35	32.220	107.724	2	08	01/07/76	9	1.0	19.5	C		7.3	500
6057	W	35	32.188	107.767	2	08	01/07/76	11	7.0	19.8	C		7.8	435
6058	W	35	32.181	107.804	2	08	01/07/76	11	5.0	20.0	C		7.4	320
6059	W	35	32.208	107.795	2	08	01/07/76	12	7.0	17.5	C		7.3	280
6060	W	35	32.223	107.811	2	08	01/07/76	14	7.0	18.2	C		7.3	310
6061	W	35	32.123	107.838	2	08	01/07/76	15	8.0	18.5	C		7.3	420
6076	W	35	32.422	107.879	2	08	01/10/76	9	6.0	3.8	C		7.6	340
6078	W	35	32.479	107.928	2	08	01/10/76	11	15.0	7.0	C		7.1	700
6087	W	35	32.325	107.810	2	08	01/11/76	16	13.0	10.5	C		7.3	310
6091	W	35	32.214	107.399	2	08	01/12/76	16	19.0	21.5	C		7.1	620
6093	W	35	32.205	107.587	2	08	01/13/76	10	13.0	6.8	C		7.2	210
6095	W	35	32.195	107.536	2	08	01/13/76	11	16.0	20.0	C		6.3	800
6099	L	35	32.139	107.558	2	10	01/13/76	14	19.0	13.0	C		6.9	350
6101	W	35	32.173	107.482	2	08	01/13/76	17	15.0	18.2	C		7.5	850
6127	W	35	32.418	107.707	2	08	01/06/76	13	11.0	17.5	C		7.3	920
6128	W	35	32.412	107.655	2	08	01/06/76	14	13.0	7.8	C		7.3	530
6129	P	35	32.419	107.675	2	06	01/06/76	18	4.0	8.8	C		7.9	265
6136	P	35	32.448	107.634	2	06	01/09/76	14	13.0	6.5	C		7.9	270
6137	W	35	32.319	107.787	2	08	01/10/76	10	15.0	22.1	C		7.2	340
6140	W	35	32.422	107.762	2	08	01/10/76	13	17.0	7.5	C		7.6	550
6142	W	35	32.362	107.790	2	08	01/10/76	13	16.0	3.5	C		7.7	440
6143	L	35	32.455	107.797	2	10	01/10/76	14	14.0	5.8	C		8.0	170
6144	W	35	32.477	107.784	2	08	01/10/76	15	14.0	18.2	C		7.3	750
6145	W	35	32.493	107.821	2	08	01/10/76	16	13.0	7.8	C		7.4	450

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE														
SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DJAM (INCHES)	W-DP (FEET)	WATD (FEET)
6007	1	9	1	6					1	2	3			
6004	1	12	1	6					1	1	3		220	
6005	1	12	1	6					1	1	3	6	220	
6006	1		1	6					1	1	3	6	250	
6007	1		1	6					1	1	6			
6008	1		1	6					1	1	3			
6009	1	12	1	6					1	1	3	6	200	
6011	1	10	3	6					3	1	3	4	148	142
6012	1	12	3	6					3	1	3	5	325	
6013	1		1	6					4	1	3			
6014	1	10	1	6					1	1	3	5		
6015	1		1	6					1	1	3			
6016	1		1	6					1	1	3			
6017	1	9	1	6					1	1	6	8		
6018	1	7	1	6					1	1	3	12		
6019	1	6	1	6					1	1	3			
6020	1	12	1	6					1	1	3			
6021	1	9	1	6					1	1	6			
6023	8	18	1	6					1	2				
6025	9	6	1	6					1	1	3	6		
6027	9	10	1	6					1	2	8			
6039	9	12	1	6					1	1	1			
6039	7	6	1	6	6	6			1	1				
6042	1	7	1	6					3	1	3			
6045	3	10	1	6					1	1	3			
6047	1	9	1	6					1	2	5	8	400	160
6048	9	10	1	6					1	2	3			
6050	1	43	1	6					1	1	1	3		
6051		12	1	6					1	1	6			
6052		10	1	6					1	1	1	4		
6057		16	1	6					1	1	6			
6055	1	10	1	6					1	1	6			
6057	1	10	1	6					1	1	6			
6058	9	12	1	6					1	1	3	6	260	
6059	1	15	1	6					1	1	3	6	215	
6060	9	12	1	6					1	1	3	6	190	60
6061	1	10	1	6					1	1	6			
6076	9	7	1	6					1	1	1			
6078	9	13	1	6					1	1	3	6	150	
6087	9	6	1	6					1	1	3			
6091	1	4	1	6					1	1	3	8	290	
6093	9	26	4	6					5	1	3			
6095	1	10	1	6					2	1	1			
6099	7	7	1	6	5	8		4	2	1				
6101	1	12	1	6					1	1	3	6	160	
6127	1	3	1	4				1	4	1	1	2		
6128	1	7	3	4				1	5	1	1	2		
6129	1	12	3	4	4	4	1	5	1	1				
6136	3	15	3	7				5	4	1				
6137	1	14	4					1	1	1	6	6	400	150
6140	1	7	3	4				1	4	1	1	2		
6142	1	10	3	4				1	1	1	1	3		
6143	3	6	3	4	6	6		5	3	1				
6144	1	4	3	4				1	5	1	1	2		
6145	1	3	3	7				1	2	1	1	4		

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	U	AC	AL	B	BA	RE	CA	CE	CO	CR	CU	FE	K	LI	MG
6003	1.16	3	126	352	61	<1	25.1	53	3	9	18	306	9.7	271	14.6
6004	3.29	<2	29	62	14	<1	17.3	<30	8	5	11	37	2.3	22	6.4
6005	3.57	<2	212	89	28	<1	29.0	<30	<2	<4	11	35	4.1	37	10.9
6006	7.01	2	117	74	60	<1	35.9	41	<2	<4	20	45	4.0	19	5.5
6007	3.57	<2	39	92	89	<1	55.7	<30	<2	6	20	80	5.6	27	9.7
6008	2.50	<2	23	71	29	<1	27.7	<30	<2	<4	27	147	3.5	26	8.2
6009	3.58	<2	17	68	13	<1	17.0	<30	4	16	9	51	2.6	29	5.3
6011	2.28	<2	11	357	61	<1	19.5	<30	2	<4	91	39	12.5	16	33.7
6012	1.05	2	46	124	223	<1	68.7	<30	<2	5	68	148	2.8	29	26.5
6013	0.77	7	<10	55	153	<1	82.7	<30	5	<4	14	26	1.7	14	21.0
6014	3.72	<2	23	52	25	<1	36.9	<30	<2	<4	5	53	3.0	25	11.8
6015	4.64	2	48	138	52	<1	30.8	31	10	25	11	79	3.8	55	10.4
6016	2.63	<2	22	131	45	<1	44.3	<30	<2	11	12	56	7.0	60	15.5
6017	4.97	4	38	154	43	<1	30.9	<30	<2	18	7	67	4.5	71	11.1
6018	2.43	2	139	120	93	<1	70.1	<30	<2	23	48	178	6.3	39	14.9
6019	2.66	2	21	72	57	<1	35.5	<30	3	10	15	48	4.2	39	7.8
6020	1.35	4	60	60	65	<1	38.4	<30	<2	12	14	54	4.4	16	6.5
6021	5.85	<2	270	200	313	<1	118.8	<30	<2	10	52	171	5.8	50	23.5
6022	6.17	5	326	623	98	<1	58.9	<30	3	47	93	805	7.1	146	25.5
6025	2.02	<2	<10	84	66	<1	36.6	<30	<2	<4	4	20	2.7	21	9.0
6027	2.21	<2	175	245	110	<1	46.0	<30	<2	27	18	179	6.1	84	15.2
6038	2.15	<2	201	181	80	<1	66.5	<30	<2	34	45	227	5.7	56	15.0
6039	1.46	6	870	63	167	<1	103.7	<30	<2	10	43	457	20.8	10	10.7
6042	1.89	<2	185	612	404	<1	214.1	<30	4	18	68	237	39.6	164	44.0
6045	2.28	<2	1145	112	43	<1	27.1	<30	<2	7	21	469	6.3	25	6.4
6047	6.67	6	377	73	134	<1	143.8	<30	<2	<4	20	192	5.9	26	25.0
6048	2.74	<2	239	53	89	<1	64.8	<30	<2	4	34	157	4.6	20	11.9
6050	2.80	<2	272	117	145	<1	196.8	<30	<2	10	91	454	10.0	43	34.7
6051	2.93	6	199	235	111	<1	101.5	46	6	14	17	133	5.7	19	16.1
6052	1.03	2	167	52	75	<1	60.6	54	<2	11	26	108	4.6	18	10.5
6053	1.57	<2	129	61	57	<1	43.7	<30	<2	<4	12	83	4.7	18	8.8
6055	6.54	<2	261	368	458	<1	249.2	<30	2	18	56	514	15.4	108	57.9
6057	3.68	<2	106	123	126	<1	81.3	<30	2	8	8	161	7.4	37	17.8
6059	2.32	4	177	161	255	<1	141.7	<30	<2	13	30	251	10.6	47	22.4
6059	2.32	<2	487	247	304	<1	157.3	<30	<2	13	37	336	15.5	60	26.5
6060	1.91	4	277	239	325	<1	196.1	<30	<2	19	61	202	14.6	70	35.3
6061	3.46	<2	71	148	209	<1	82.7	<30	<2	<4	19	120	7.5	76	22.1
6076	1.24	<2	28	117	45	<1	78.4	<30	<2	<4	23	153	7.4	98	33.2
6078	5.58	<2	100	96	225	<1	463.3	<30	<2	5	35	109	8.1	13	64.4
6087	2.54	<2	<10	80	53	<1	53.2	<30	3	<4	21	25	4.4	33	10.6
6091	5.26	3	274	673	174	<1	24.4	<30	2	40	23	218	6.0	175	7.7
6093	0.37	<2	41	170	1846	<1	86.6	<30	3	7	14	53	9.6	47	8.7
6095	9.09	<2	28	778	88	<1	62.6	30	8	23	51	187	8.6	109	15.7
6099	1.25	<2	2381	115	430	<1	86.2	<30	<2	13	196	1435	58.9	5	15.9
6101	5.70	7	280	487	54	<1	24.5	34	<2	26	18	379	1.7	100	8.0
6127	7.40	3	66	512	434	<1	186.5	<30	<2	<4	49	1141	3.1	136	89.9
6128	0.86	<2	138	153	39	<1	111.3	<30	<2	<4	30	174	6.1	41	49.8
6129	1.07	<2	47	66	55	<1	110.9	<30	4	5	68	81	16.8	10	21.2
6136	0.72	5	134	62	17	<1	42.3	58	6	10	39	92	10.1	52	32.1
6137	2.13	<2	67	145	55	<1	51.7	<30	<2	4	22	86	6.0	46	9.0
6140	2.65	3	29	183	81	<1	79.5	<30	2	10	37	38	1.4	72	45.0
6142	2.15	2	67	417	133	<1	60.5	35	<2	8	30	1442	7.5	89	31.8
6143	0.71	<2	425	32	40	<1	45.2	<30	<2	<4	16	196	8.3	3	5.1
6144	2.15	4	35	293	33	<1	46.9	47	9	9	5	37	1.4	289	3.4
6145	1.27	6	16	63	18	<1	42.5	50	<2	16	15	54	3.0	16	13.2

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MA	MC	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
6003	11	17	190.8	<4	<40	<1	10.1	3707	<2	7	2	319	16
6004	2	<4	41.2	<4	<40	<1	38.1	270	<2	19	<1	102	8
6005	8	13	61.4	<4	<40	<1	50.3	477	<2	15	<1	147	<2
6006	40	<4	53.2	15	56	<1	16.4	373	<2	3	1	907	<2
6007	6	5	61.5	<4	90	<1	24.5	570	<2	16	<1	50	<2
6008	5	<4	48.6	9	<40	<1	35.9	375	<2	14	<1	248	<2
6009	7	<4	51.6	12	<40	<1	39.1	236	<2	28	<1	72	9
6011	3	<4	95.4	7	<40	<1	17.8	1850	<2	55	<1	817	<2
6012	5	<4	55.5	17	79	<1	30.4	2653	2	26	<1	833	<2
6013	151	6	34.0	<4	<40	<1	13.5	1108	<2	<4	1	1343	<2
6014	4	15	37.3	<4	<40	<1	38.8	407	<2	12	<1	387	<2
6015	5	23	66.7	12	<40	<1	50.4	437	2	29	1	227	10
6016	5	4	73.1	<4	<40	<1	58.7	542	<2	22	<1	535	<2
6017	3	<4	85.1	<4	<40	<1	55.6	470	<2	24	1	43	3
6018	8	12	84.6	13	<40	<1	48.3	791	2	44	2	753	3
6019	3	<4	52.5	10	<40	<1	30.3	502	<2	27	1	357	3
6020	20	20	41.3	<4	<40	<1	15.2	508	2	22	1	863	<2
6021	12	<4	143.0	<4	61	<1	31.4	1882	7	21	<1	202	<2
6023	26	54	413.3	<4	232	<1	110.5	1662	8	266	<1	182	<2
6025	2	<4	49.9	4	<40	<1	19.5	300	<2	33	<1	176	<2
6027	5	15	128.1	5	<40	<1	46.7	1500	3	64	1	73	3
6038	9	11	102.2	8	<40	<1	41.0	769	3	55	<1	105	<2
6039	82	11	7.4	15	671	<1	18.5	654	14	43	2	89	<2
6042	22	7	248.2	15	60	1	157.1	3551	5	282	<1	7958	<2
6045	78	<4	138.7	<4	140	<1	8.2	512	19	20	<1	67	2
6047	10	<4	61.5	5	<40	<1	28.3	859	8	16	<1	132	<2
6049	8	4	37.2	36	40	<1	26.2	434	5	10	<1	1388	<2
6050	10	17	77.6	61	149	<1	73.1	1179	9	37	<1	310	11
6051	5	8	91.0	30	65	<1	31.0	596	4	32	2	35	10
6052	7	<4	36.3	15	46	<1	24.8	482	4	22	<1	56	4
6053	5	14	42.8	<4	<40	<1	22.3	302	3	13	<1	22	<2
6055	35	48	282.6	14	51	<1	160.9	3140	7	47	<1	109	<2
6057	12	<4	89.9	7	<40	<1	32.5	957	4	20	<1	30	<2
6058	20	9	114.0	21	<40	<1	45.8	1397	4	37	<1	1028	3
6059	40	7	148.8	13	114	<1	63.3	1535	9	52	1	1755	5
6060	17	10	144.9	6	66	<1	74.1	1707	7	69	1	1082	12
6061	11	<4	99.7	15	<40	<1	29.9	1332	2	26	<1	52	7
6076	71	20	140.6	13	<40	<1	38.9	767	<2	29	<1	98	<2
6078	22	<4	88.0	16	50	1	64.4	2026	7	37	2	4579	9
6087	4	7	67.0	<4	<40	<1	30.3	326	<2	23	<1	408	<2
6091	10	31	410.9	16	56	<1	54.3	762	5	221	2	96	19
6093	8	<4	14.7	<4	<40	<1	44.2	463	<2	<4	<1	91	6
6095	8	69	465.3	<4	<40	<1	71.9	1302	2	119	<1	99	<2
6098	1956	14	25.2	49	453	<1	7.9	595	40	11	1	345	3
6101	27	17	441.3	<4	<40	<1	65.9	531	5	121	1	850	<2
6127	69	26	165.6	12	<40	<1	33.6	6410	5	6	1	2767	<2
6129	22	7	73.5	32	104	<1	75.6	1029	5	95	<1	249	<2
6129	56	10	22.9	46	353	<1	25.0	643	2	30	1	128	13
6136	9	15	56.6	45	66	<1	58.7	503	4	33	1	93	6
6137	8	<4	110.1	19	<40	<1	37.7	328	2	29	<1	65	<2
6140	11	23	77.5	32	<40	<1	19.4	4076	<2	6	<1	170	3
6142	175	26	308.3	8	60	<1	37.0	956	<2	7	1	621	<2
6147	7	10	0.8	<4	42	<1	2.4	308	7	<4	<1	24	<2
6144	17	29	156.0	13	<40	<1	6.0	3832	<2	13	2	126	6
6145	5	5	58.9	<4	<40	<1	15.6	468	2	11	1	152	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE														
SAMPLE	TYPE	STAT	LAT	LONG	LAR	NTYP	DATE	HJUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
6160	P	35	32.743	107.843	2	06	01/21/76	9	3.0	6.0			6.3	45
6161	P	35	32.647	107.824	2	06	01/21/76	10	10.0	7.0			6.3	42
6164	W	35	32.621	107.815	2	08	01/21/76	13	19.0	19.0			6.5	35
6167	L	35	32.623	107.736	2	10	01/21/76	13	12.0	6.0	C		5.8	30
6168	W	35	32.587	107.800	2	08	01/21/76	15	11.0	5.0	C		6.0	30
6169	W	35	32.594	107.760	2	08	01/21/76	15	11.0	25.0			6.3	45
6171	W	35	32.589	107.813	2	08	01/21/76	16	9.0	15.0			6.3	60
6194	W	35	32.677	107.861	2	08	01/21/76	11	12.0	19.0			6.7	975
6243	P	35	32.554	107.994	2	06	01/20/76	9	8.0	43.0	C		7.0	550
6244	S	35	32.564	107.983	2	07	01/20/76	9	4.0	5.0			7.2	1650
6245	W	35	32.558	107.968	2	08	01/20/76	9	5.0	4.0	C		7.1	550
6246	W	35	32.594	107.922	2	08	01/20/76	10	5.0	17.0	C		6.3	500
6250	W	35	32.546	107.917	2	08	01/20/76	13	7.0	1.0			6.5	60
6251	W	35	32.537	107.875	2	08	01/20/76	14	8.0	20.0			7.1	65
6254	W	35	32.539	107.803	2	08	01/20/76	15	7.0	5.0	C		7.1	50
6256	W	35	32.563	107.759	2	08	01/20/76	16	5.0	5.0			7.1	70
6562	W	35	32.256	107.997	2	08	01/29/76	9	13.0	16.5	C		6.4	365
6895	W	35	32.021	107.671	2	08	02/23/76	8	5.0	16.0	C		8.0	470
6974	W	35	32.025	107.603	2	08	02/28/76	10	21.0	12.0	C		6.8	410
6976	W	35	32.049	107.605	2	08	02/28/76	11	22.0	22.0	C		6.5	550
6979	W	35	32.038	107.580	2	08	02/28/76	12	22.0	12.0	C		8.2	650
7000	W	35	32.327	107.742	2	08	03/05/76	12	11.0	8.8	C		6.5	390
7053	W	35	32.461	107.349	2	08	03/08/76	14	18.0	18.0			6.6	500
7060	W	35	32.084	107.973	2	08	03/10/76	12	20.0	20.0			7.1	500
7067	W	35	32.022	107.972	2	08	03/10/76	14	18.0	20.0			7.1	500
7069	W	35	32.131	107.921	2	08	03/11/76	9	9.0	8.0	C		6.3	420
7070	W	35	32.108	107.878	2	08	03/11/76	9	9.0	16.0			6.6	430
7071	W	35	32.100	107.895	2	08	03/11/76	9	9.0	12.0	C		6.6	370
7117	W	35	32.160	107.391	2	08	03/03/76	12	18.0	24.0			6.9	600
7120	W	35	32.141	107.468	2	08	03/03/76	13	20.0	30.0	C		6.9	500
7123	W	35	32.078	107.484	2	08	03/03/76	15	22.0	16.0			7.8	850
7124	L	35	32.083	107.468	2	10	03/03/76	16	23.0	14.0			7.2	1000
7140	W	35	32.226	107.325	2	08	03/04/76	15	9.0	22.0			6.6	800
7145	W	35	32.081	107.533	2	08	03/05/76	9	5.0	9.0	C		6.3	480
7146	W	35	32.119	107.531	2	08	03/05/76	9	5.0	8.0	C		6.3	330
7149	W	35	32.116	107.589	2	08	03/05/76	10	10.0	7.0	C		6.6	480
7149	W	35	32.107	107.604	2	08	03/05/76	10	10.0	9.0	C		6.3	330
7150	P	35	32.092	107.612	2	06	03/05/76	11	12.0	8.0	C		6.3	500
7151	W	35	32.090	107.596	2	08	03/05/76	12	14.0	12.0	C		6.6	350
7152	P	35	32.092	107.603	2	06	03/05/76	13	14.0	20.0	C		6.8	500
7153	W	35	32.083	107.600	2	08	03/05/76	13	14.0	10.0	C		7.1	430
7158	W	35	32.239	107.537	2	08	03/05/76	16	16.0	15.0	C		7.4	700
7159	W	35	32.313	107.356	2	08	03/06/76	9	12.0	7.0	C		6.6	480
7169	L	35	32.374	107.327	2	10	03/06/76	11	14.0	12.0			6.6	500
7170	W	35	32.394	107.323	2	08	03/06/76	12	14.0	10.0	C		7.5	450
7171	W	35	32.397	107.364	2	08	03/06/76	12	14.0	10.0			6.6	460
7179	W	35	32.474	107.418	2	08	03/07/76	10	12.0	10.0	C		6.6	390
7188	L	35	32.429	107.486	2	10	03/07/76	15	16.0	15.0			6.3	360
7194	W	35	32.429	107.303	2	08	03/08/76	10	10.0	8.0	C		6.6	400
7201	W	35	32.353	107.712	2	08	03/05/76	12	14.0	20.7	C		6.6	450
7212	W	35	32.308	107.702	2	08	03/06/76	10	13.0	17.0	C		6.3	335
7213	W	35	32.317	107.684	2	08	03/06/76	11	13.0	17.0	C		6.8	420
7214	W	35	32.326	107.642	2	08	03/06/76	11	14.0	13.0			6.8	1050
7215	W	35	32.306	107.631	2	08	03/06/76	12	16.0	20.0	C		6.8	500
7217	W	35	32.293	107.709	2	08	03/06/76	12	16.0	19.5			6.6	350

Table 5, Continued

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-OP (FEET)	WATD (FEET)
6160	1	12	1	6	3	6	3	1	5	1				
6161	1	18	1	6	2	6	2	1	4	1				
6164	1	9	1	6					2	1	1			
6167		9	1	6	4	6		4	5	1				
6168	1	9	1	6					2	1	1			
6169	1	40	1	6					3	1	1			
6171	1	15	1	6					3	1				
6194	1	13	3	6					4	1	1			
6243	8		3	6	6	6	3	1	3	2				
6244	3	6	3	6	4	6	2	1	3	2				
6245	3	6	3	6					3	3	1			
6246	1	18	3	6					4	3	1			
6250		9	1	6					2	3	5	6	50	67
6251		15	1	6					2	3	1			
6254	3	12	3	4					1	3	1			
6256		6	3	6					4	3	1			
6562	9	6	1	6					1	1	6	10	385	169
6895	1		1	6					2	1	1			
6974	1	7	1	6				5	2	2	1			
6976		9	3						4	2	1			
6979	1	10	3	6				5	3	2	1			
7000	1	6	1	6				5	1	2	1			
7053	1	7	1	6					1	1	6			
7060	1	12	1	6					2	3				
7067	1	9	1	6					2	3	1			
7069	1	9	1	6					2	1	1			
7070	1	9	1	6					2	1	1			
7071	1	5	1	6					2	1	1			
7117	1	9	1	6					2	3	1			
7120	1	9	1	6					1	3	6			
7123	1	12	1	6					2	2	5	6	230	
7124	1	5	1	6	4	6		4	2	2				
7140	1	12	1	6					2	1	2			
7145	1	15	1	6					2	1	1			
7146	1	12	1	6					2	1	1			
7148	1	5	3	6					4	1	1			
7149	1	18	3	6					4	1	1			
7150	1	15	3	6	1	6	2	1	5	1				
7151	1	5	3	6					4	1	1			
7152	1	12	3	6	1	6	3	1	4	1				
7153	1	12	3	6					4	1	1			
7158	1	12	1	6					2	1	3			
7159	1	9	1	6					3	1	1			
7169	1	9	1	6	4	6		3	2	1				
7170	1	6	1	6					3	1	8			
7171	1	5	1	6					2	1				
7178	1	9	1	6					3	1	8			
7188	1	16	1	6	4	6			2	2				
7194	1	6	1	6					2	1	8			
7201	1	5	1	6					1	2	1			
7212		5	1	6					1	3	3			
7213	1	7	1	6					1	3	3			
7214	1	9	1	6					1	2	1			
7215	1	10	1	6					1	2	1			
7217	1	9	1	6					1	2	1			

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE															
SAMPLE	U	AG	AL	B	RA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
6160	1.78	4	123	54	34	<1	52.0	<30	<2	<4	11	477	3.3	66	7.6
6161	7.59	2	277	98	67	<1	65.9	<30	2	<4	6	55	5.9	42	14.5
6164	1.42	11	183	118	26	<1	36.8	<30	8	13	21	138	4.4	28	13.2
6167	0.49	<2	1161	65	68	<1	26.7	<30	14	<4	32	978	25.0	5	13.3
6168	1.17	2	306	86	53	<1	35.9	<30	<2	<4	13	149	4.2	24	12.5
6169	0.69	<2	110	51	15	<1	57.8	<30	<2	<4	11	75	3.1	36	15.2
6171	1.56	<2	203	189	291	<1	211.4	<30	<2	10	46	224	8.0	16	41.1
6194	4.01	<2	10	58	41	<1	99.1	<30	<2	<4	12	49	1.1	12	26.5
6243	0.27	2	65	96	227	<1	50.9	<30	<2	<4	3	57	10.6	195	10.8
6244	1.57	5	58	228	34	<1	24.2	48	3	10	9	56	29.3	479	13.3
6245	2.44	7	257	384	70	<1	80.2	<30	<2	14	26	259	8.2	150	39.9
6246	1.53	<2	12	38	4	<1	49.0	<30	<2	6	<2	33	1.6	16	6.7
6250	4.59	5	84	70	52	<1	100.6	<30	<2	8	11	65	3.6	5	20.9
6251	6.35	<2	89	202	9	<1	27.1	<30	<2	5	8	102	1.8	28	20.1
6254	2.46	<2	223	93	48	<1	120.5	<30	<2	4	41	253	10.9	55	103.1
6256	1.63	<2	65	37	61	<1	107.6	<30	<2	<4	9	72	1.5	11	48.3
6562	5.63	2	131	91	24	<1	16.3	<30	<2	5	12	93	4.1	22	3.4
6895	2.52	7	25	84	108	<1	42.4	<30	13	<4	17	55	3.9	37	20.2
6974	1.64	<2	28	117	27	<1	25.7	<30	10	<4	15	34	3.2	32	21.4
6976	2.13	5	170	115	67	<1	257.8	<30	<2	<4	27	702	2.2	25	72.5
6979	6.53	8	265	187	176	<1	26.5	31	5	26	23	124	9.4	48	47.6
7000	4.43	<2	234	196	334	<1	41.0	<30	6	12	36	147	5.7	48	14.6
7053	6.00	<2	31	406	133	<1	64.4	<30	<2	<4	5	69	4.9	79	35.5
7060	9.18	<2	34	265	39	<1	20.0	<30	<2	7	22	77	2.2	69	4.1
7067	3.62	<2	34	259	10	<1	26.6	<30	2	10	4	82	5.2	41	4.8
7069	3.21	5	33	167	25	<1	53.5	<30	<2	15	11	46	4.2	52	18.3
7070	4.18	5	46	186	156	<1	71.5	<30	<2	19	36	50	7.0	116	28.9
7071	4.70	<2	62	171	44	<1	45.0	<30	<2	<4	12	57	3.9	71	20.1
7117	7.54	2	48	318	11	<1	3.8	<30	<2	30	2	189	1.0	33	0.8
7120	1.30	<2	124	284	5	<1	3.2	<30	<2	41	3	29	3.8	89	0.1
7123	5.10	7	39	864	9	<1	1.5	64	<2	5	<2	85	0.7	21	0.2
7124	0.29	6	22362	45	105	1	9.8	69	2	17	27	13708	14.4	20	5.2
7140	6.62	<2	37	529	82	<1	63.0	<30	3	7	34	209	19.1	84	25.8
7145	0.74	3	69	70	192	<1	46.3	<30	7	4	21	67	5.0	39	30.5
7146	0.16	2	27	50	244	<1	40.8	<30	<2	4	15	75	3.4	25	14.3
7148	0.52	<2	45	45	74	<1	65.6	<30	<2	<4	10	71	4.3	20	45.6
7149	1.40	<2	11	32	170	<1	83.3	<30	2	5	5	105	2.9	7	10.3
7150	0.28	<2	114	12	9	<1	98.2	<30	<2	<4	5	71	0.4	3	25.9
7151	0.10	2	19	21	46	<1	39.8	<30	2	<4	3	20	1.4	9	15.1
7152	0.43	6	42	59	102	<1	223.1	<30	<2	7	6	48	2.3	11	29.3
7157	0.72	<2	265	37	15	<1	66.9	<30	7	13	11	35	2.2	5	34.4
7158	5.10	9	11	236	23	<1	16.4	<30	7	<4	24	147	0.9	51	5.6
7159	2.72	<2	126	198	44	<1	59.2	<30	<2	<4	27	291	28.2	58	31.1
7169	7.10	<2	2858	224	149	<1	39.1	<30	5	16	56	8585	18.1	30	9.5
7170	4.77	3	59	236	37	<1	43.7	<30	3	<4	8	64	9.4	66	27.4
7171	4.26	<2	31	419	85	<1	60.6	<30	<2	<4	5	59	12.2	109	46.1
7178	6.25	4	20	239	96	<1	45.3	<30	13	9	4	78	8.3	43	18.1
7183	7.09	5	15428	240	167	<1	45.8	41	<2	18	86	10969	33.0	41	15.7
7194	4.54	<2	74	218	66	<1	46.0	<30	<2	4	5	55	9.0	59	27.4
7201	8.04	5	47	319	111	<1	7.3	<30	<2	28	9	141	0.5	17	2.1
7212	2.27	<2	136	165	316	<1	28.3	<30	5	15	9	67	3.5	32	7.9
7213	3.77	<2	300	237	263	<1	22.3	<30	<2	21	295	147	3.0	53	12.9
7214	4.04	4	678	307	127	<1	30.3	<30	<2	5	28	329	17.7	144	10.1
7215	4.62	<2	226	452	140	<1	21.0	<30	<2	22	76	287	4.1	136	7.3
7217	3.42	<2	432	131	264	<1	40.3	<30	<2	8	21	261	3.8	34	10.7

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MN	MC	MA	MI	P	SC	SI	SR	TI	V	Y	ZN	ZR
6160	RA	10	83.1	5	154	<1	25.8	273	19	5	<1	146	<2
6161	7	<4	87.5	<4	145	<1	27.0	452	2	44	<1	696	7
6164	5	<4	64.6	20	<40	<1	22.6	335	5	44	1	236	7
6167	189	4	9.2	24	460	<1	16.6	289	23	<4	1	102	<2
6168	11	4	77.2	<4	<40	<1	23.3	378	6	16	<1	157	<2
6169	5	5	42.1	<4	<40	<1	25.2	346	2	<4	<1	466	<2
6171	33	25	72.3	<4	231	<1	51.5	1926	9	74	1	210	<2
6194	4	13	128.3	<4	73	<1	27.7	438	<2	22	<1	391	<2
6243	11	13	110.4	<4	<40	<1	25.9	654	<2	<4	<1	19	<2
6244	4	23	387.9	<4	<40	<1	27.1	869	2	18	1	11	8
6245	10	23	332.2	<4	<40	<1	54.6	1178	9	166	<1	198	<2
6246	8	<4	84.6	<4	103	<1	23.2	49	<2	26	<1	313	3
6250	6	<4	57.2	<4	94	<1	28.3	436	3	28	2	454	<2
6251	7	<4	114.6	10	<40	<1	22.9	197	2	91	1	44	7
6254	13	7	114.5	<4	<40	<1	38.4	1874	7	10	<1	83	<2
6256	22	7	10.1	<4	<40	<1	7.8	371	4	<4	1	268	3
6562	8	5	67.0	17	<40	<1	25.8	147	2	12	<1	54	<2
6895	6	12	47.9	<4	<40	<1	18.8	664	<2	6	<1	57	2
6974	10	30	78.5	13	<40	<1	10.9	888	<2	10	1	62	4
6976	55	22	76.1	14	<40	<1	47.5	815	5	<4	1	916	<2
6979	9	8	99.1	<4	<40	<1	18.4	598	4	14	1	86	4
7009	24	12	108.2	55	63	<1	22.6	565	3	33	1	727	5
7053	16	<4	70.1	<4	<40	<1	43.8	1864	<2	98	<1	36	<2
7060	2	<4	107.9	<4	<40	<1	23.6	360	<2	60	<1	317	<2
7067	4	21	117.1	<4	<40	<1	19.7	312	<2	63	<1	144	<2
7069	8	13	89.2	5	<40	<1	37.3	604	<2	38	1	151	14
7070	8	15	113.7	7	<40	<1	42.1	1135	<2	40	1	502	10
7071	4	8	105.3	10	<40	<1	37.7	501	<2	32	<1	77	<2
7117	2	15	174.2	<4	<40	<1	32.8	86	<2	239	1	57	5
7120	<2	7	146.0	14	<40	<1	41.9	52	<2	111	<1	20	<2
7123	2	23	311.1	4	130	<1	11.9	28	<2	147	1	38	2
7124	103	8	2.0	21	623	3	59.9	75	169	25	8	93	16
7140	9	12	239.5	23	<40	<1	55.3	1230	<2	153	<1	275	<2
7145	6	8	44.9	5	<40	<1	15.3	961	3	15	1	87	<2
7146	17	<4	36.5	<4	<40	<1	16.9	639	<2	10	1	29	7
7148	12	<4	81.6	<4	<40	<1	29.3	772	<2	<4	<1	31	<2
7149	10	11	26.1	<4	<40	<1	28.6	466	<2	<4	<1	130	<2
7150	5	7	11.6	<4	<40	<1	10.1	255	3	<4	<1	32	<2
7151	4	<4	19.4	<4	<40	<1	18.0	151	<2	<4	<1	44	11
7152	10	<4	27.3	<4	<40	<1	26.2	432	2	7	1	82	9
7153	8	6	19.1	4	<40	<1	16.6	105	<2	<4	1	103	<2
7158	20	25	98.9	<4	<40	<1	23.9	419	<2	58	<1	482	7
7159	18	15	152.4	9	80	<1	62.1	1058	3	74	<1	131	<2
7168	81	<4	95.9	26	193	<1	18.5	379	45	65	1	164	<2
7170	6	<4	70.0	<4	669	<1	17.8	1306	2	66	2	53	10
7171	5	<4	103.0	<4	<40	<1	64.9	2417	<2	124	<1	45	<2
7178	77	16	84.6	18	68	<1	56.5	884	<2	99	1	434	10
7189	255	<4	90.2	21	1111	2	64.2	423	309	435	8	183	17
7194	7	<4	62.3	16	472	<1	36.5	1449	<2	87	<1	41	<2
7201	3	5	127.8	13	<40	<1	10.7	256	<2	55	<1	100	<2
7212	5	<4	104.1	37	<40	<1	22.4	472	<2	60	1	425	12
7213	30	20	160.1	12	<40	<1	22.5	745	<2	62	<1	350	<2
7214	60	25	235.0	25	73	<1	10.5	953	10	29	1	202	14
7215	22	25	235.5	16	59	<1	23.9	873	<2	119	<1	435	3
7217	20	21	93.2	19	<40	<1	23.7	549	6	36	<1	343	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
7220	W	35	32.309	107.575	2	08	03/07/76	10	14.0	4.0	C		6.8	950
7221	W	35	32.387	107.549	2	08	03/07/76	13	19.0	12.0	C		6.1	430
7223	W	35	32.371	107.530	2	08	03/07/76	13	19.0	21.0	C		6.3	400
7224	W	35	32.344	107.512	2	08	03/07/76	14	16.0	19.0	C		8.2	1200
7226	W	35	32.362	107.587	2	08	03/07/76	15	18.0	21.0	C		6.3	420
7231	W	35	32.285	107.787	2	08	03/08/76	14	13.0	13.5			6.4	450
7232	W	35	32.341	107.861	2	08	03/07/76	14	14.0	20.5			6.5	300
7234	W	35	32.347	107.876	2	08	03/08/76	15	16.0	13.0			6.8	300
7236	W	35	32.321	107.919	2	08	03/08/76	<0	16.0	11.2	C		6.5	330
7237	W	35	32.307	107.940	2	08	03/08/76	16	13.0	19.0			6.6	375
7239	W	35	32.312	107.967	2	08	03/08/76	17	12.0	10.0			6.7	470
7239	W	35	32.258	107.961	2	08	03/08/76	17	11.0	18.5	C		6.5	350
7241	W	35	32.690	107.452	2	08	03/09/76	12	18.0	20.2			6.4	400
7242	W	35	32.677	107.446	2	08	03/09/76	12	18.0	19.2			6.3	410
7248	W	35	32.684	107.541	2	08	03/09/76	15	18.0	11.0	C		6.5	410
7249	W	35	32.667	107.534	2	08	03/09/76	15	17.0	14.0	C		6.6	385
7250	W	35	32.582	107.537	2	08	03/09/76	16	19.0	20.0			6.5	430
7251	W	35	32.648	107.589	2	08	03/09/76	17	13.0	15.5	C		6.5	610
7252	W	35	32.692	107.627	2	08	03/09/76	17	12.0	14.0			6.3	370
7253	W	35	32.666	107.610	2	08	03/09/76	18	13.0	17.0			6.5	450
7254	W	35	32.686	107.574	2	08	03/10/76	8	7.0	8.0	C		6.3	450
7255	W	35	32.653	107.555	2	08	03/10/76	8	7.0	18.0	C		6.4	475
7257	W	35	32.685	107.560	2	08	03/10/76	9	14.0	15.2	C		6.5	500
7258	W	35	32.685	107.589	2	08	03/10/76	10	15.0	8.5	C		6.4	600
7260	P	35	32.653	107.597	2	06	03/10/76	11	16.0	13.0			6.3	445
7262	W	35	32.676	107.616	2	08	03/10/76	12	14.0	13.0	C		6.3	370
7263	W	35	32.621	107.569	2	08	03/10/76	12	19.0	13.0	C		6.8	800
7266	W	35	32.613	107.606	2	08	03/10/76	13	20.0	10.0			6.3	475
7268	P	35	32.597	107.594	2	06	03/10/76	14	19.0	16.5			6.8	600
7269	W	35	32.589	107.637	2	08	03/10/76	15	19.0	12.5	C		6.4	500
7270	W	35	32.575	107.632	2	08	03/10/76	16	15.0	16.0	C		6.5	
7271	W	35	32.524	107.600	2	08	03/10/76	16	16.0	12.0			7.4	500
7272	W	35	32.501	107.548	2	08	03/10/76	17	18.0	23.7			6.5	470
7273	L	35	32.502	107.546	2	10	03/10/76	17	17.0	10.0			6.3	325
7274	W	35	32.319	107.818	2	08	03/11/76	14	16.0	17.0			6.3	320
7275	W	35	32.304	107.848	2	08	03/11/76	14	16.0	13.0			6.3	325
7276	W	35	32.349	107.812	2	08	03/11/76	14	16.0	12.0			6.3	550
7277	W	35	32.399	107.911	2	08	03/11/76	15	16.0	14.0			6.3	330
7278	W	35	32.414	107.939	2	08	03/11/76	15	18.0	19.0			6.3	350
7279	W	35	32.397	107.967	2	08	03/11/76	16	17.0	19.0	C		6.4	500
7280	W	35	32.377	107.931	2	08	03/11/76	16	16.0	18.0			6.3	380
7281	W	35	32.377	107.904	2	08	03/11/76	17	14.0	14.5	C		6.4	310
7282	W	35	32.292	107.735	2	08	03/12/76	13	18.0	15.0			6.3	310
7283	W	35	32.421	107.844	2	08	03/12/76	14	22.0	11.0			6.3	485
7284	W	35	32.429	107.853	2	08	03/12/76	13		19.5	C		6.2	380
7285	L	35	32.450	107.847	2	10	03/12/76	16	19.0	14.0	C		6.5	395
7287	W	35	32.489	107.875	2	08	03/12/76	16	17.0	19.5			6.3	550
7294	W	35	32.478	107.761	2	08	03/14/76	13	20.0	13.5	C		6.4	600
7296	W	35	32.309	107.781	2	08	03/14/76	14	19.0	23.0	C		6.3	330
7297	W	35	32.231	107.870	2	08	03/14/76	14	19.0	13.0			6.0	290
7298	L	35	32.217	107.870	2	10	03/14/76	15	22.0	13.5			6.7	340
7304	W	35	32.182	107.870	2	08	03/14/76	17	19.0	20.0	C		6.4	310
7330	W	35	32.508	107.681	2	08	03/19/76	10	20.0	13.4	C		6.9	875
7335	W	35	32.527	107.684	2	08	03/19/76	11	20.0	19.7			6.9	820
7336	P	35	32.536	107.692	2	06	03/19/76	11	22.0	13.8			6.9	780

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-DP (FEET)	WATO (FEET)
7220	1	2	1	7	5	7		5	1	1	1			
7221	1	10	1	6				5	1	2	1			
7223	1		1	6					1	2	1			
7224	1		1	6	5	8		5	1	2	1			
7226		6												
7231	1	12	1	6					1	2	6		200	
7232	1	19	3	6					3	2	3			
7234	1	12	1	6				5	1	2	1			
7236	1	16	1	6					1	3	9	6		
7237	1	17	1	6					1	3	1			
7238	1	6	1	6					1	3	9			
7239	1	5	1	6					1	3	1			
7241	1	13	1	6					2	1	1			
7242	9	16	1	6					2		9			
7249	1	4	3	6					3	1	1			
7249	1	7	3	6				5	2	1	1			
7250	1	10	1	6					1	1	1			
7251	1	15	3	6					3	1	3	12	100	15
7252	1	15	3	6					4	1	9		20	14
7253	1	9	3	6					4	1	3		25	
7254	1	9	3	6					3	3	3			
7255	1	5	1	6					2	3	3	8		
7257	1	15	3	6					2	3	3	6		
7258	1	7	3	6				5	3	3	1	8		
7260	1	12	3	6	4	8			3	3				
7262	1	13	3	1					3	2	1			
7263	1	18	1	6					2	2	3	8		
7266	1	18	3	6				5	3	3	1			
7269	1	16	3	6	4	8		5	3	3				
7269	1	13	3	6					3	2	3	8		
7270	1	15	3	6					3	3	3	8		
7271	1	19	1	6					1	3	1			
7272	1	13	1	6					1	3	1			
7273	1	12	1	6	5	8		4	1	3				
7274	1	13	1	6					1	1	3		310	
7275	1	5	1	6					1	1	3	8	300	
7276	1	10	1	6					1	1	6	12		
7277	1	16	1	6				2	1	2	6		150	
7278	1	15	1	6				1	1	1	1			
7279	1	12	1	7					2	1	1	6		
7280	1	7	1	6					1	1	1	8		
7281	1	5	1	6					1	1	1	4		
7282	1	10	1	6					1	1	3			
7293	1	12	1	6				5	1	1	1			
7284	1	7	1	6					2	1	3	6	244	95
7285	1	7	1	7	5	8			2	1				
7287	1	16	1	6					2	1	1	6		
7294	1	5	1	7				5	2	1	1			
7296		10									3	6	250	200
7297	1	15	1	6					1	1	3	6		
7298	1	13	1	6	5	8		4	1	1				
7304	1		1	6					2	1	1			
7330	3	6	3	6					4	2	1	6		
7335	3	5	3	6					4	2	1	6		
7336	3	3	3	6			2	1	4	2				

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE															
SAMPLE	U	AC	AL	B	EA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
7220	2.94	<2	716	765	402	<1	70.5	<30	<2	4	9	1625	60.3	111	40.3
7221	2.35	<2	304	129	261	<1	91.1	<30	<2	12	37	303	9.5	72	21.1
7223	1.74	<2	730	138	501	<1	91.3	<30	<2	14	18	359	7.8	70	18.7
7224	0.57	4	240	207	436	<1	117.3	<30	6	8	9	1949	93.9	106	40.4
7226	0.85	<2	287	174	36	<1	57.7	<30	4	15	9	239	3.2	29	17.5
7231	4.78	<2	155	101	95	<1	116.0	<30	<2	<4	20	165	7.5	48	22.7
7232	3.19	<2	109	30	31	<1	41.8	<30	<2	<4	5	60	2.8	15	9.1
7234	3.03	<2	106	28	25	<1	42.5	<30	<2	<4	8	61	3.2	13	9.1
7236	3.22	2	74	53	41	<1	42.0	<30	2	<4	9	80	4.9	23	11.8
7237	3.54	2	47	44	31	<1	49.5	<30	6	<4	10	50	3.3	19	10.0
7238	2.71	<2	32	128	50	<1	19.9	<30	<2	<4	8	42	2.7	22	4.8
7239	2.36	<2	253	43	55	<1	40.3	<30	<2	<4	45	110	3.0	18	10.6
7241	1.67	2	1953	174	121	<1	44.3	34	<2	36	56	715	6.5	51	7.2
7242	1.11	3	202	156	120	<1	44.7	47	2	<4	6	459	4.3	38	7.7
7243	0.61	<2	135	59	50	<1	38.2	<30	<2	<4	8	77	2.7	35	23.9
7249	1.46	<2	156	76	56	<1	46.4	<30	<2	<4	20	120	4.3	75	26.1
7250	1.53	4	100	96	70	<1	71.5	<30	<2	4	9	532	6.7	60	29.4
7251	2.41	3	437	330	165	<1	247.4	45	<2	<4	45	257	9.5	96	55.7
7252	1.66	<2	346	57	24	<1	80.0	33	<2	4	11	176	4.3	35	12.1
7253	1.31	7	106	64	51	<1	105.5	50	8	4	646	76	4.1	44	22.1
7254	1.42	7	200	101	128	<1	117.5	54	<2	6	33	137	3.3	61	43.3
7255	0.90	<2	251	262	393	<1	205.6	<30	<2	<4	35	203	4.7	41	61.4
7257	1.35	<2	1347	60	131	<1	98.8	<30	<2	<4	13	319	2.8	23	25.7
7258	1.71	<2	232	83	58	<1	102.7	<30	<2	<4	14	128	2.9	23	32.9
7260	0.50	2	169	42	31	<1	75.6	37	<2	5	14	247	4.5	27	14.9
7262	1.58	<2	253	31	13	<1	49.0	<30	<2	<4	3	95	2.6	17	8.3
7263	1.48	<2	242	74	110	<1	119.8	<30	<2	<4	13	266	18.4	48	38.3
7266	1.57	<2	111	38	11	<1	22.9	<30	7	<4	6	82	6.7	60	18.0
7264	2.58	<2	108	79	37	<1	129.1	<30	3	<4	5	56	8.1	71	24.4
7269	3.04	<2	69	39	19	<1	88.2	<30	<2	<4	2	32	0.5	21	9.4
7270	2.45	4	96	48	14	<1	91.1	61	2	5	8	55	1.1	22	10.1
7271	1.66	<2	82	72	32	<1	43.6	<30	<2	<4	16	61	6.6	27	10.6
7272	2.13	<2	22	74	27	<1	55.2	<30	<2	<4	9	37	4.2	36	9.5
7273	0.22	4	186	33	110	<1	45.0	<30	9	4	18	108	21.7	5	6.3
7274	2.39	6	140	41	26	<1	37.8	<30	10	6	22	80	2.7	18	7.2
7275	1.54	4	860	55	43	<1	57.3	44	6	7	10	161	4.2	20	10.6
7276	5.30	<2	277	619	119	<1	53.9	<30	2	6	19	109	4.2	45	20.5
7277	1.52	<2	332	69	66	<1	118.2	<30	<2	<4	23	171	6.2	14	19.2
7278	1.05	<2	233	32	32	<1	75.8	38	<2	<4	18	131	3.4	6	11.6
7279	1.99	6	166	51	73	<1	74.6	<30	<2	5	6	69	5.3	36	22.1
7280	2.41	<2	430	50	63	<1	106.0	<30	<2	<4	14	239	4.6	11	18.5
7281	1.05	<2	309	42	57	<1	80.2	<30	<2	<4	13	140	4.1	8	13.9
7282	2.18	<2	212	60	57	<1	39.6	<30	2	8	14	369	2.9	20	8.8
7283	0.52	<2	2833	255	416	<1	68.9	<30	10	35	72	11346	6.5	43	19.4
7284	0.57	<2	1237	136	350	<1	24.5	<30	4	11	33	3448	4.1	25	11.2
7285	0.36	<2	2356	78	459	<1	122.2	<30	<2	17	66	2803	36.4	9	12.1
7287	1.71	2	694	139	230	<1	133.8	<30	<2	11	17	694	6.2	49	35.5
7294	6.51	<2	1127	196	88	<1	37.2	<30	3	12	45	1423	1.2	47	24.4
7296	2.44	<2	1016	66	175	<1	29.5	<30	<2	9	30	1599	3.2	19	5.2
7297	0.88	<2	104	27	55	<1	34.9	<30	<2	<4	5	160	2.6	11	6.4
7298	1.05	<2	1563	74	284	1	60.0	<30	15	5	169	1510	26.3	24	17.1
7304	1.53	<2	838	209	416	<1	172.7	<30	<2	11	58	678	13.9	72	31.2
7330	2.88	<2	66	32	133	<1	129.4	<30	<2	<4	44	54	1.2	7	42.8
7335	2.26	<2	325	40	100	<1	146.7	<30	<2	9	23	472	1.0	9	37.1
7336	1.10	3	93	70	81	<1	154.2	<30	3	6	47	136	4.3	79	24.4

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MN	MO	NA	NI	P	SC	SI	SF	TI	V	Y	ZN	ZR
7220	760	19	199.3	12	12374	<1	43.0	1718	6	54	1	20	<2
7221	42	21	114.7	96	<40	<1	30.8	1430	2	28	<1	471	<2
7223	45	9	101.7	67	<40	<1	35.0	1279	7	42	<1	466	<2
7224	1883	13	200.0	14	11174	<1	35.3	1728	5	30	3	53	15
7226	15	5	78.5	27	<40	<1	32.0	700	3	49	<1	234	<2
7231	21	<4	98.9	43	<40	<1	36.5	915	5	11	<1	426	<2
7232	6	<4	23.6	<4	<40	<1	18.8	283	<2	5	<1	121	<2
7234	7	<4	28.5	7	<40	<1	18.3	278	<2	<4	<1	101	<2
7236	7	7	42.8	11	<40	<1	20.0	391	<2	13	<1	148	<2
7237	7	23	29.8	10	<40	<1	19.6	404	<2	12	<1	139	14
7238	3	17	82.2	4	<40	<1	11.6	148	<2	7	<1	103	<2
7239	6	12	31.3	<4	<40	<1	18.0	361	2	6	<1	137	<2
7241	68	<4	145.1	92	121	<1	29.0	711	20	39	2	952	3
7242	36	21	100.6	15	<40	<1	16.4	721	2	15	1	506	5
7248	5	<4	47.9	20	<40	<1	13.9	577	<2	69	<1	40	<2
7249	12	5	84.3	28	<40	<1	29.9	933	2	45	1	46	<2
7250	152	5	89.1	24	<40	<1	58.5	897	<2	50	1	587	9
7251	19	<4	187.8	13	170	<1	109.6	2085	10	101	1	170	2
7252	10	<4	46.9	23	179	<1	44.8	376	4	34	<1	143	<2
7253	9	<4	66.8	17	87	<1	55.7	858	2	47	1	1531	19
7254	30	12	101.4	29	43	<1	40.9	1929	4	118	3	331	19
7255	30	5	171.3	21	185	<1	106.4	2574	4	130	<1	771	<2
7257	21	<4	43.2	15	<40	<1	37.6	968	8	14	<1	9510	<2
7258	13	<4	97.2	25	88	<1	45.0	1150	3	41	<1	355	<2
7260	85	6	42.7	30	84	<1	40.2	480	<2	24	1	192	9
7262	12	8	24.5	4	68	<1	27.1	245	3	7	<1	70	<2
7263	198	<4	97.6	12	943	<1	47.5	1115	3	8	<1	85	<2
7266	10	7	61.5	12	<40	<1	16.3	372	<2	15	<1	25	<2
7268	13	8	75.3	21	103	<1	40.3	789	<2	27	<1	57	<2
7269	4	<4	35.9	<4	<40	<1	26.8	442	<2	16	1	80	<2
7270	5	<4	38.9	13	<40	<1	27.5	429	3	28	2	536	12
7271	9	12	66.2	4	55	<1	36.2	342	<2	23	1	59	7
7272	4	<4	63.6	10	<40	<1	22.6	523	<2	20	<1	478	<2
7273	206	<4	4.3	23	403	<1	7.4	249	2	17	1	77	7
7274	14	12	32.5	18	<40	<1	18.9	229	5	22	1	488	<2
7275	10	8	38.3	19	<40	<1	28.3	398	4	25	1	452	5
7276	8	16	144.4	6	<40	<1	24.4	480	2	39	1	879	2
7277	14	5	63.5	26	<40	<1	46.6	605	4	25	<1	869	<2
7278	9	9	29.4	7	<40	<1	26.7	345	18	10	2	120	<2
7279	5	8	47.3	14	<40	<1	25.6	509	<2	36	1	48	4
7280	16	<4	38.2	29	42	<1	36.4	543	6	23	<1	162	<2
7281	11	<4	43.4	16	<40	<1	30.8	445	4	28	<1	332	<2
7282	15	14	46.9	190	<40	<1	18.1	309	<2	17	<1	803	<2
7283	144	<4	195.9	1874	<40	<1	35.4	553	7	54	<1	579	<2
7284	257	<4	116.3	932	<40	<1	18.9	259	5	27	<1	961	<2
7285	182	<4	6.1	1103	161	<1	7.4	728	12	11	<1	345	2
7287	48	7	92.5	405	<40	<1	33.3	1347	5	32	<1	392	<2
7294	27	<4	101.3	333	<40	<1	19.0	1034	8	30	1	325	9
7296	28	8	49.1	370	<40	<1	18.1	269	7	23	<1	201	7
7297	5	<4	25.0	43	<40	<1	10.5	279	2	<4	<1	141	<2
7298	1846	<4	27.1	258	826	<1	11.6	562	5	35	7	609	6
7304	32	10	156.8	131	<40	<1	72.0	1946	12	76	2	711	2
7330	17	4	32.2	77	<40	<1	22.2	980	<2	5	<1	59	<2
7335	52	<4	36.8	62	75	<1	21.1	902	9	15	1	245	<2
7336	304	9	27.6	62	128	<1	7.9	1979	<2	7	3	142	7

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE														
SAMPLE	TYPE	STAT	LAT	LONG	LAH	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
7339	W	35	32.544	107.704	2	08	03/19/76	11	22.0	15.0	C		7.2	900
7340	P	35	32.551	107.718	2	06	03/19/76	12	22.0				6.6	700
7341	W	35	32.556	107.739	2	08	03/19/76	13	23.0	19.2			6.9	900
7344	W	35	32.569	107.730	2	08	03/19/76	13	23.0		C		6.9	650
7347	W	35	32.567	107.652	2	08	03/19/76	15	22.0	17.7			6.6	410
7349	W	35	32.599	107.646	2	08	03/19/76	16	20.0	13.0	C		6.6	410
7353	W	35	32.588	107.720	2	08	03/19/76	17	19.0	12.5	C		6.9	700
7356	P	35	32.603	107.715	2	06	03/19/76	18	19.0	13.0			6.2	770
7380	P	35	32.138	107.649	2	06	03/20/76	14	20.0	23.0	C			9600
7421	L	35	32.146	107.969	2	10	03/15/76	11	18.0	13.0			6.6	440
7424	L	35	32.137	107.886	2	10	03/15/76	12	21.0	13.0			6.9	420
7783	L	35	32.656	107.714	2	10	03/20/76	9	19.0	11.2				1130
7784	P	35	32.660	107.701	2	06	03/20/76	10	19.0	12.7	C			2390
7790	W	35	32.653	107.656	2	08	03/20/76	12	19.0	16.5			6.9	550
7793	P	35	32.667	107.681	2	06	03/20/76	12	21.0	9.0			6.3	1700
7799	L	35	32.564	107.570	2	10	03/20/76	13	21.0	19.0			6.4	1300
7904	W	35	32.605	107.910	2	08	02/29/76	10	18.0	18.0			7.4	600
7910	W	35	32.653	107.877	2	08	02/29/76	11	18.0	19.0			7.6	650
7911	W	35	32.664	107.884	2	08	02/29/76	12	19.0	18.0			7.4	600
7912	W	35	32.676	107.884	2	08	02/29/76	12	19.0	11.5	C		7.8	575
7913	W	35	32.646	107.901	2	08	02/29/76	12	19.0	19.3			6.8	4000
7914	W	35	32.671	107.910	2	08	02/29/76	13	21.0	21.2			7.6	500
7915	W	35	32.656	107.935	2	08	02/29/76	13	21.0	20.0	C		6.9	700
7917	L	35	32.657	107.911	2	10	02/29/76	14	21.0	12.2	C		7.3	350
7918	P	35	32.642	107.880	2	06	02/29/76	15	23.0	20.0				
7924	W	35	32.629	107.290	2	08	03/06/76	10	17.0	11.2	C		7.1	500
7925	L	35	32.635	107.298	2	10	03/06/76	10	18.0		C		7.8	2200
7929	W	35	32.566	107.290	2	08	03/06/76	12	19.0	18.0	C		7.2	600
7933	W	35	32.596	107.354	2	08	03/06/76	15	28.0	26.0			6.8	430
7935	W	35	32.644	107.360	2	08	03/06/76	16	27.0	12.0	C		6.9	470
7936	W	35	32.658	107.359	2	08	03/06/76	10	27.0	22.0			7.1	500
7939	L	35	32.609	107.366	2	10	03/06/76	16	26.0		C		6.5	3000
7947	L	35	32.543	107.402	2	10	03/07/76	13	19.0	18.5	C		6.3	9000
7948	W	35	32.542	107.374	2	08	03/07/76	13	19.0	20.0			6.9	3000
7933	W	35	32.054	107.688	2	08	02/23/76	9	10.0	6.0	C		8.6	340
7940	W	35	32.080	107.693	2	08	02/23/76	10	12.0	10.0	C		7.6	470
7942	W	35	32.112	107.714	2	08	02/23/76	11	13.0	13.0			8.2	360
7943	W	35	32.095	107.639	2	08	02/23/76	11	13.0	20.0			7.4	300
7945	W	35	32.101	107.734	2	08	02/23/76	11	13.0	20.0			6.4	1000
7946	W	35	32.038	107.740	2	08	02/25/76	9	10.0	8.0			6.8	450
7947	W	35	32.063	107.721	2	08	02/25/76	9	10.0	8.0	C		6.4	300
7948	W	35	32.094	107.747	2	08	02/25/76	10	14.0	13.0			6.0	500
7949	W	35	32.082	107.746	2	08	02/25/76	10	16.0	13.0			5.8	270
7986	W	35	32.096	107.787	2	08	02/27/76	15	21.0	17.0	C		6.3	280
7987	W	35	32.063	107.791	2	08	02/27/76	<0	20.0	12.0	C		6.6	350
7988	W	35	32.077	107.791	2	08	02/27/76	15	21.0	15.0	C		6.6	2300
7939	W	35	32.067	107.831	2	08	02/27/76	16	21.0	12.0			6.8	500
7990	W	35	32.065	107.851	2	08	02/27/76	<0	20.0	20.0	C		6.9	500
8515	W	35	32.834	107.965	2	08	04/03/76	9	13.0	12.0			8.4	350
8516	S	35	32.871	107.977	2	07	04/03/76	10	15.0	12.0			9.4	280
8517	S	35	32.884	107.997	2	07	04/03/76	10	13.0	12.0			8.2	360
8518	S	35	32.886	107.987	2	07	04/03/76	10	12.0	12.0			7.6	340
8519	S	35	32.904	107.997	2	07	04/03/76	11	16.0	12.0			7.8	190
8613	W	35	32.804	107.901	2	08	04/09/76	12	20.0	15.2	C		7.3	300
8615	S	35	32.878	107.877	2	07	04/09/76	13	21.0	15.5			8.4	218

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAH (INCHES)	W-DP (FEET)	WATD (FEET)
7333	7	10	3	6					4	2	1	6		
7340	3	6	1	7	5	6	2	1	5	2				
7341	3	9	1	7					5	2	1	6		
7344	3	9	1	6					5	2	1	6		
7347	3	9	1	6					2	2	1	6		
7349	3	6	1	6					3	2	1	6		
7353	3	6	1	6					5	2	1	6		
7356	3	6	1	6	4	6	2	2	5	2				
7380	9	4	3	7				1	5	1				
7421	1	9	1	6	4	6		4	1	1				
7424	1	12	1	6				1	1	1				
7783	3	12	1	6	5	6		4	4	1				
7784	3	2	1	6	4	6	2	1	4	1				
7790	3	15	1	6					3	1	1	6		
7793	3	15	1	6	5	6	2	4	3	1				
7799	3	6	1	6	5	6			2	1				
7804	3	6	1	1					3	1	1	6		
7810	3	6	1	6					3	1	1	6		
7811	3	6	3	6					4	1	1	6		
7812	3	12	3	6					4	1	1	6		
7813	3	9	3	6					4	1	1	6		
7814	3	12	1	6					4	1	1	6		
7815	3	11	1	6					4	1	1	6		
7817	3	17	3	6	5	6		2	4	1				
7818	3	6	3	6	4	6	2	1	4	1				
7824	3	12	1	6					2	1	1	6		
7825	3	11	1	6	5	6		2	2	2				
7829	3	9	1	6					2	2	4	8		
7833	3	12	1	6					2	2	6			
7835	3	6	1	6					2	2	1	6		
7836	3	9	1	6					3	2	1	6		
7839	3	12	1	6	5	6		4	2	2				
7847	3	9	1	6	5	6		4	2	2				
7848	3	19	1	6					2	2	1	6		
7933	1	9	1	6					2	1	4			
7940	1	9	1	6					2	1	3			
7942	1	12	1	6					2	1	3			
7943	1	15	1	6					4	1	1			
7945	1	12	1	6					2	1	6			
7946	1	15	1	6					2	1	3			
7947	1	12	1	6					2	1	4			
7948	1	12	1	6					2	1	3			
7949	1	12	1	6					2	1	3	6	200	
7985	1	15	1	6					1	3	3			
7987	1	16	1	6					1	3	6		180	
7988	1	14	1	6				5	1	3	1			
7989	1	6	1	6					1	3	6			
7990	1	9	1	6					1	3	2			
8515	2		1	7			1	2	3	1	1			
8516	2	18	1	7	4	7	3	2	3	1				
8517	2	9	1	7	4	7	1	2	3	1				
8518	2	14	1	7	4	7	1	2	3	1				
8519	1	14	1	7	4	7	3	1	3	1				
8613	3		1					1	1	2	2	6		
8615	1	20	3	6	3	6	3	1	4	2				

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	U	AS	AL	B	EA	BF	CA	CE	CD	CR	CU	FE	K	LI	MG
7338	0.69	8	138	46	23	<1	187.6	38	2	6	17	346	2.0	34	37.1
7340	2.50	5	23	22	38	<1	48.3	<30	<2	<4	<2	<10	0.6	4	26.6
7341	2.02	4	102	46	43	<1	164.9	43	9	8	5	217	2.1	10	47.3
7344	2.69	<2	208	53	62	<1	104.9	<30	4	5	17	210	2.6	19	78.0
7347	0.18	<2	2572	38	60	<1	58.3	<30	5	<4	62	697	5.0	19	10.5
7349	2.70	<2	427	48	25	<1	48.5	<30	<2	<4	23	286	1.6	23	10.2
7353	3.64	<2	618	30	33	<1	82.1	<30	<2	<4	25	286	3.0	27	40.1
7356	2.50	7	189	37	174	<1	165.0	52	<2	27	10	131	3.9	33	25.7
7380	2.11	5	170	34	75	2	105.4	<30	<2	6	6	101	1.1	8	13.0
7421	1.66	<2	919	1024	261	<1	39.7	<30	<2	4	46	400	26.1	150	13.7
7424	3.15	2	324	305	238	<1	82.2	<30	<2	6	35	195	12.2	153	37.6
7783	0.10	2	256	54	276	1	112.8	<30	10	6	16	898	6.4	9	7.7
7784	0.10	4	1851	115	221	3	273.8	<30	9	10	28	123	6.0	158	20.7
7790	4.00	2	123	107	62	<1	77.0	<30	<2	<4	17	106	2.2	52	11.5
7797	0.10	<2	470	130	201	<1	387.8	<30	44	69	32	511	33.3	32	51.5
7799	0.85	<2	875	82	360	1	90.3	<30	17	7	42	653	46.3	4	12.3
7804	1.44	<2	217	68	27	<1	56.2	<30	<2	<4	30	127	3.0	22	7.4
7810	2.54	<2	504	54	51	<1	80.9	<30	<2	<4	24	237	3.5	7	21.7
7811	2.19	7	121	44	24	<1	77.2	66	5	6	10	71	2.4	6	21.2
7812	2.46	6	158	48	63	<1	39.8	66	<2	4	24	105	1.3	16	37.3
7813	0.53	4	408	99	45	1	18.1	<30	2	<4	46	524	2.6	28	5.1
7814	4.91	<2	259	130	35	<1	84.8	<30	<2	<4	22	158	11.6	39	15.5
7815	8.69	<2	218	83	20	<1	54.6	<30	<2	<4	41	1406	7.3	25	10.2
7817	0.10	<2	177	40	129	<1	50.8	<30	5	4	31	155	10.0	8	11.2
7818	0.16	<2	160	30	45	<1	54.1	<30	<2	<4	15	113	4.1	4	15.0
7824	7.60	<2	423	336	120	<1	32.7	<30	<2	10	45	386	14.0	79	9.6
7825	5.63	<2	6389	5629	342	<1	75.1	<30	13	10	90	3501	93.7	206	39.6
7829	9.57	<2	466	224	177	<1	75.5	<30	<2	12	35	360	37.6	59	11.9
7833	2.74	<2	508	394	74	<1	32.4	<30	<2	13	17	1214	22.5	63	3.7
7835	3.99	2	346	188	59	<1	59.0	<30	3	4	12	260	8.4	37	11.0
7836	4.31	2	421	211	137	5	63.5	<30	10	22	41	710	10.8	47	11.7
7839	0.40	5	3241	294	743	1	206.8	<30	29	18	96	3454	119.8	48	20.2
7847	1.17	5	5999	202	336	1	79.5	72	11	9	10	1717	20.4	51	12.2
7848	6.85	3	1341	306	287	<1	88.2	44	5	15	48	919	23.6	68	9.6
7938	0.70	<2	27	77	32	<1	43.4	<30	<2	<4	10	42	4.7	20	43.0
7940	0.65	<2	118	412	65	<1	169.3	<30	<2	12	53	265	6.6	82	69.4
7942	1.86	<2	34	380	39	<1	9.4	<30	<2	19	2	117	2.0	58	3.0
7943	0.62	<2	34	35	8	1	57.6	<30	<2	<4	16	130	1.1	7	9.4
7945	4.97	<2	39	89	27	<1	31.2	<30	<2	10	3	22	3.2	37	9.5
7946	3.66	<2	13	99	35	<1	33.2	<30	5	<4	11	34	4.2	35	13.4
7947	4.79	5	35	95	21	<1	22.3	68	5	17	6	85	2.4	41	7.1
7948	6.78	2	27	107	53	<1	66.3	<30	6	<4	10	25	3.2	45	17.2
7949	2.66	<2	54	68	21	<1	31.7	<30	4	6	5	30	2.5	27	7.8
7986	2.70	5	131	91	37	<1	24.4	<30	<2	10	22	95	3.3	36	7.5
7987	3.29	<2	32	92	48	<1	29.5	<30	<2	14	2	78	2.9	41	9.9
7988	2.05	<2	140	3462	51	<1	33.2	<30	9	<4	14	567	3.5	68	7.9
7989	4.33	<2	57	237	112	1	65.2	<30	6	5	7	58	5.6	158	35.7
7990	5.51	2	20	191	65	<1	13.0	<30	<2	8	10	23	2.2	68	6.4
8515	1.74	6	21	37	7	<1	71.6	58	4	5	6	88	5.3	9	18.0
8516	0.10	3	28	21	40	<1	42.8	50	5	<4	2	30	2.8	2	7.9
8517	0.88	<2	59	71	105	<1	101.1	<30	<2	<4	9	55	11.3	9	24.4
8518	0.49	<2	70	72	112	<1	111.0	<30	<2	5	23	85	11.4	9	25.9
8519	0.10	<2	227	34	67	<1	54.4	<30	<2	<4	5	206	4.7	2	12.3
8613	0.99	4	93	25	14	<1	49.9	36	<2	<4	22	80	3.9	5	11.7
8616	0.79	<2	176	13	23	<1	44.6	<30	<2	<4	30	98	3.5	3	6.5

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MA	MC	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
7339	25	19	21.5	77	<40	<1	7.5	1667	4	7	2	271	5
7340	<2	<4	15.0	10	<40	<1	11.1	457	<2	<4	1	<4	2
7341	12	<4	14.3	59	<40	<1	7.6	739	2	10	3	85	2
7344	14	<4	15.7	144	<40	<1	7.0	490	4	13	<1	844	<2
7347	40	<4	31.1	127	127	<1	29.2	265	37	13	<1	284	<2
7349	15	<4	39.2	55	<40	<1	24.8	404	7	17	<1	497	<2
7353	19	5	51.5	28	<40	<1	14.5	562	8	5	<1	63	<2
7356	342	11	65.6	8	102	<1	26.6	1052	3	26	2	19	11
7380	13	18	23.0	39	<40	1	11.9	929	4	7	3	24	<2
7421	23	7	365.5	29	81	<1	27.4	2091	13	1050	<1	205	<2
7424	18	15	229.8	8	<40	<1	42.1	1378	5	57	<1	102	7
7783	2561	<4	8.9	14	498	<1	7.9	812	<2	10	3	16	3
7784	2081	19	100.9	48	1163	<1	43.1	1307	3	31	3	145	<2
7790	7	10	81.3	32	61	<1	28.7	858	<2	21	<1	69	<2
7793	28403	<4	70.8	48	458	1	25.4	1660	7	37	3	107	9
7799	1628	<4	6.9	14	927	<1	8.3	512	3	14	4	47	<2
7804	26	<4	113.7	107	97	<1	27.8	67	4	29	1	571	<2
7810	13	19	69.4	265	77	<1	29.0	304	8	19	<1	327	<2
7811	6	4	62.6	87	75	<1	30.0	256	2	37	2	408	12
7812	5	10	90.1	92	<40	<1	19.8	362	3	54	1	78	5
7813	27	<4	160.0	140	321	<1	28.5	90	6	28	2	765	9
7814	42	<4	124.5	106	<40	<1	48.2	347	3	16	<1	469	<2
7815	130	<4	79.9	21	48	<1	31.2	215	2	16	<1	415	<2
7817	22	<4	12.8	1412	91	<1	0.8	368	<2	7	<1	95	4
7819	14	<4	42.8	34	103	<1	24.6	236	2	12	<1	124	<2
7824	13	6	153.6	168	<40	<1	69.2	887	5	155	<1	135	<2
7825	143	59	1677.0	428	1040	2	33.7	1503	88	240	2	301	2
7829	81	15	145.1	214	1104	<1	48.9	572	7	29	1	68	<2
7833	19	12	161.5	230	<40	<1	100.6	461	5	104	1	241	4
7835	12	7	79.3	60	<40	<1	46.2	771	5	36	<1	300	<2
7836	25	23	103.5	280	57	5	56.0	809	12	52	8	1377	14
7839	629	9	153.2	1439	2390	1	40.5	1219	13	46	9	934	12
7847	575	15	78.9	23	736	<1	72.2	726	44	92	12	55	18
7848	122	13	131.8	304	489	<1	77.1	974	15	114	7	185	18
7938	5	44	66.8	5	<40	<1	26.6	330	<2	14	1	25	<2
7940	22	36	251.6	10	<40	<1	41.4	739	3	30	<1	3973	<2
7942	4	20	139.5	7	<40	<1	26.8	315	<2	50	<1	25	<2
7943	6	<4	27.6	14	<40	<1	28.4	227	<2	5	1	266	<2
7945	4	5	56.4	<4	<40	<1	38.1	383	<2	29	<1	35	2
7946	5	25	61.6	6	<40	<1	36.7	460	<2	31	1	92	<2
7947	6	15	53.1	8	<40	<1	36.2	348	<2	40	3	38	4
7948	8	14	70.8	14	<40	<1	30.4	732	<2	17	<1	373	3
7949	8	<4	37.1	13	<40	<1	32.5	325	<2	12	<1	896	<2
7986	9	16	49.3	14	<40	<1	33.3	323	<2	27	1	238	<2
7987	3	17	55.6	9	<40	<1	36.1	418	<2	40	1	47	5
7988	10	121	886.5	10	<40	1	20.6	827	5	119	<1	107	7
7989	8	17	86.4	23	<40	<1	41.6	1328	2	37	1	124	11
7990	2	4	128.5	<4	50	<1	18.4	210	<2	54	1	1440	5
8515	6	<4	19.2	14	<40	<1	34.8	346	<2	24	1	306	4
8516	5	<4	11.2	11	101	<1	24.6	176	<2	14	1	36	6
8517	15	<4	42.0	17	253	<1	81.9	490	<2	43	<1	366	<2
8518	21	13	41.6	8	288	<1	82.3	536	3	50	1	117	<2
8519	14	8	15.1	18	214	<1	40.8	273	5	17	<1	41	<2
8613	6	<4	16.3	8	58	<1	22.8	177	2	16	1	932	<2
8616	12	<4	17.0	5	63	<1	17.3	195	3	7	<1	58	4

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
R619	S	35	32.876	107.859	2	07	04/09/76	14	19.0	13.1			8.0	252
R619	S	35	32.893	107.843	2	07	04/09/76	15	19.0	10.9			7.3	250
R620	S	35	32.908	107.813	2	07	04/09/76	15	18.0	6.7			7.9	450
R621	S	35	32.923	107.818	2	07	04/09/76	16	14.0	8.6			7.8	112
R622	S	35	32.922	107.814	2	07	04/09/76	16	14.0	8.6			7.5	110
R623	S	35	32.932	107.809	2	07	04/09/76	16	14.0	8.5	C		7.3	120
R648	W	35	32.851	107.911	2	08	04/12/76	13	17.0	15.2			8.8	252
R650	S	35	32.846	107.930	2	07	04/12/76	15	20.0	16.3			8.3	330
R651	W	35	32.922	107.984	2	08	04/12/76	16	18.0	16.7	C		8.9	205
R652	W	35	32.964	107.979	2	08	04/12/76	17	18.0	9.5			6.9	105
R653	S	35	32.975	107.966	2	07	04/12/76	17	17.0	10.4			7.3	92
R655	W	35	32.883	107.941	2	08	04/13/76	9	11.0	15.2			7.7	337
R672	S	35	32.852	107.853	2	07	04/11/76	11	25.0	12.4	C		7.9	285
R675	W	35	32.776	107.914	2	08	04/11/76	14	27.0	13.2			7.2	320
R678	S	35	32.783	107.872	2	07	04/11/76	15	31.0	14.6	C		7.8	330
R680	P	35	32.748	107.835	2	06	04/11/76	17	27.0	50.0	C		9.0	415
R681	S	35	32.755	107.839	2	07	04/11/76	17	24.0	16.3	C		8.4	450
R682	S	35	32.764	107.834	2	07	04/11/76	18	22.0	16.2			8.2	470
R686	S	35	32.833	107.835	2	07	04/12/76	12	21.0	15.5	C		8.2	525
R687	W	35	32.842	107.820	2	08	04/12/76	12	19.0	15.0	C		7.8	550
R688	S	35	32.871	107.813	2	07	04/12/76	13	19.0	11.0	C		7.8	625
R691	S	35	32.826	107.798	2	07	04/12/76	17	21.0	10.8	C		8.0	495
R693	W	35	32.760	107.794	2	08	04/12/76	18	14.0	11.5	C		7.9	580
R703	W	35	32.695	107.846	2	08	04/14/76	11	15.0	14.5			7.3	410
R706	W	35	32.792	107.923	2	08	04/14/76	13	18.0	14.5			7.7	295
R709	I	35	32.760	107.946	2	10	04/14/76	13	16.0	10.6	C		8.2	270
R709	W	35	32.744	107.958	2	08	04/14/76	14	16.0	15.8	C		7.7	525
R710	W	35	32.738	107.981	2	08	04/14/76	14	17.0	16.5			6.7	470
R721	S	35	32.988	107.896	2	07	04/13/76	17	16.0	9.8			7.7	110
R722	S	35	32.992	107.927	2	07	04/13/76	18	15.0	9.1			7.4	105
R723	S	35	32.943	107.979	2	07	04/13/76	18	15.0	8.8			7.3	100
R724	W	35	32.698	107.526	2	08	04/14/76	9	15.0	15.0			7.0	400
R725	W	35	32.714	107.568	2	08	04/14/76	9	13.0	12.0			7.4	800
R726	W	35	32.713	107.581	2	08	04/14/76	9		18.0	C		7.4	400
R728	S	35	32.761	107.668	2	07	04/14/76	10	16.0	10.0	C		8.0	300
R730	L	35	32.722	107.648	2	10	04/14/76	10	12.0	11.0			8.3	250
R735	W	35	32.754	107.576	2	08	04/14/76	14	14.0	13.0			8.2	500
R736	W	35	32.768	107.569	2	08	04/14/76	14	14.0	13.0	C		8.8	500
R738	W	35	32.777	107.550	2	08	04/14/76	14	13.0	18.0			8.8	380
R740	W	35	32.784	107.534	2	08	04/14/76	15	13.0	14.0			8.4	500
R740	W	35	32.785	107.558	2	08	04/14/76	15	13.0	14.0			8.4	500
R741	W	35	32.901	107.566	2	08	04/14/76	16	13.0	12.0			8.6	480
R744	P	35	32.846	107.542	2	06	04/14/76	16	13.0	15.0	C		8.2	380
R745	W	35	32.808	107.530	2	08	04/14/76	16		12.0			8.8	220
R747	P	35	32.792	107.538	2	06	04/14/76	16	12.0	14.0			8.2	500
R748	W	35	32.759	107.533	2	08	04/14/76	17	15.0	25.0	C		8.2	500
R750	L	35	32.732	107.536	2	10	04/14/76	18	14.0	12.0	C		8.4	500
R778	W	35	32.769	107.998	2	08	04/14/76	17	17.0	15.0	C		7.6	600
9704	S	35	32.833	107.619	2	07	05/08/76	9	11.0	7.4			8.1	550
9709	P	35	32.791	107.599	2	06	05/08/76	10	12.0	11.5			8.2	490
9711	W	35	32.836	107.580	2	08	05/08/76	12	13.0	8.2			7.6	600
9715	P	35	32.944	107.701	2	06	05/08/76	14	13.0	8.1			7.2	500
9718	S	35	32.987	107.752	2	07	05/08/76	13	13.0	7.6			8.2	330
9720	S	35	32.976	107.695	2	07	05/08/76	15	13.0	8.2			8.2	460
9724	W	35	32.883	107.588	2	08	05/08/76	17	15.0	9.2			8.3	385

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-OP (FEET)	WATD (FEET)
8618	8	22	3	6	3	6	3	1	4	2				
8619	8	31	3	6	3	6	2	1	4	2				
8620	8	20	3	6	3	6	2	1	4	3				
8621	1	27	3	6	3	6	3	1	4	3				
8622	1	18	3	6	3	6	3	1	4	3				
8623	1	24	3	6	5	8	3	1	4	2				
8648	1		3	6				1	3	2	2	6		
8650	1	9	3	6	3	6	2	1	3	2				
8651	1		3	6				1	3	2	1	6		
8652	1		3	6				1	3	2	1	6		
8653	1	22	3	6	3	6	3	1	3	2				
8655	1		3	6				1	4	2	1			
8672	1	28	3	6	3	6	3	1	4	1				
8675	1		3	6				1	3	1	2	3	123	22
8678	1	9	3	6	3	6	2	1	4	2				
8680	1		3	6				1	4	2				
8681	1	28	3	6	4	2	3	1	4	2				
8682	1	11	3	6	3	6	3	1	4	2				
8686	1	21	3	7	3	6	3	1	4	2				
8687	1		3	7				1	4	2	1	3		
8688	1	21	3	7				1	4	2				
8691	1	21	3	7	3	6	3	1	4	2				
8693	1		3	6				1	4	2	1	3		
8703	1		3	6				1	3	1	2	3		
8706	1		3	6				1	3	1	2			
8708	1	25	3	7	5	6		3	3	5				
8709	1		3	6				1	3	1	1			
8710	1		3	6				1	4	5	1			
8721	1	13	3	6	4	6	3	1	4	2				
8722	1	5	3	6	4	6	3	1	4	2				
8723	1	9	3	6	4	6	2	1	4	2				
8724	1		1	6					1	2	1	6		
8725	1		1	6					3	4	1	6		
8726	1		4	6					4	4	1	6		
8728	1	8	4	6	2	6	3	1	3	4				
8730	1	14	4		4	6		4	3	3				
8735	1		4	6					3	3	4			
8736	1		4	6					3	3	3			
8738	1		3	6					3	3	1	6		
8739	1	11	3	6	3	6	3	1	3	3				
8740	1	2	3	6	3	6	3	1	3	3				
8741	1		4	6					2	2	1	6		
8744	1		4				2	1	2	2				
8745	1		4						2	2	1	4		
8747	1	11	4		2	6	2	1	2	2				
8748	1		4						2	2	4	3		
8750	1	7	4		5	6			2	2				
8778	1		3	6				1	3	2	1	2		
9704	1	4	3	4	4	6	2	1	4	3				
9709	1	9	3	6	4	6	2	1	3	3				
9711	1		3	6				1	1	3				
9715	1	27	3	7	3	7	2	1	4	3				
9718	1	14	3	7	3	7	2	1	3	2				
9720	1	9	3	6	4	6	3	1	4	2				
9724	1		3	6				1	3	2	1	6		

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLF	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
8618	1.34	<2	44	9	25	<1	50.4	<30	<2	<4	13	29	1.5	<2	5.8
8619	1.51	<2	177	44	54	<1	146.7	<30	<2	<4	28	100	5.1	16	17.5
8620	1.15	<2	40	15	44	<1	146.3	<30	<2	<4	11	31	1.3	2	11.2
8621	0.54	<2	71	7	15	<1	17.8	<30	<2	<4	13	43	1.4	<2	3.1
8622	0.20	<2	117	8	13	<1	18.0	<30	<2	<4	9	67	1.2	<2	3.2
8623	0.65	<2	109	16	23	<1	30.4	<30	<2	<4	16	60	2.2	2	5.0
8643	0.77	<2	39	17	5	<1	32.9	<30	<2	<4	8	37	3.0	4	12.7
8650	1.14	<2	65	27	44	<1	88.3	30	<2	<4	14	49	5.9	<2	10.8
8651	0.10	4	39	27	18	<1	52.7	51	4	5	13	34	6.0	2	10.1
8652	0.67	<2	632	14	28	<1	14.5	<30	2	<4	15	296	3.3	<2	4.2
8653	0.66	3	1013	16	32	<1	13.4	<30	6	5	10	475	2.8	<2	4.0
8655	1.73	<2	72	57	6	<1	113.6	<30	<2	<4	21	213	9.0	12	26.6
8672	1.88	<2	30	16	32	<1	68.6	<30	<2	<4	<2	29	0.8	2	10.0
8673	1.76	3	158	121	117	<1	254.4	39	<2	6	48	106	14.2	16	99.3
8679	2.33	<2	172	20	51	<1	73.9	<30	4	<4	6	76	2.6	3	10.7
8680	0.38	4	107	73	3	<1	3.4	<30	<2	<4	6	45	2.9	135	<0.1
8681	2.30	<2	99	63	34	<1	60.1	<30	<2	<4	<2	55	3.5	72	7.7
8682	1.51	<2	380	92	52	<1	83.8	<30	<2	<4	5	116	5.0	104	10.6
8695	4.57	<2	20	19	71	<1	109.2	<30	<2	<4	5	27	1.9	4	42.7
8687	5.14	<2	20	27	73	<1	137.8	<30	2	<4	20	51	2.6	11	46.1
8689	3.49	<2	<10	26	21	<1	146.2	<30	2	<4	3	47	2.1	4	78.5
8691	3.44	7	12	29	75	<1	177.0	34	9	6	3	30	2.7	5	30.3
8693	2.77	7	33	31	4	<1	147.7	37	2	<4	<2	29	0.3	5	30.9
8703	1.20	<2	25	80	16	<1	77.5	<30	3	<4	8	33	3.2	40	14.1
8705	0.10	<2	<10	35	17	<1	70.3	<30	<2	<4	10	27	4.1	6	16.4
8708	0.54	<2	953	66	70	<1	73.5	<30	<2	<4	30	428	14.0	5	11.1
8709	1.00	<2	<10	52	14	<1	44.0	<30	<2	<4	6	19	1.0	4	5.8
8710	1.19	6	<10	32	10	<1	60.4	54	<2	6	9	26	1.3	4	12.3
8721	0.63	<2	210	13	20	<1	14.4	<30	<2	<4	<2	95	1.5	<2	3.7
8722	0.10	3	29	17	28	<1	28.7	31	<2	6	<2	31	2.2	<2	7.7
8723	0.10	8	45	30	42	<1	42.4	86	14	9	<2	47	3.4	<2	11.7
8724	0.43	2	35	101	80	<1	110.3	<30	<2	4	12	41	5.8	42	29.9
8725	0.90	4	20	54	43	<1	140.9	<30	<2	<4	10	24	2.9	38	34.9
8726	1.49	7	20	58	26	<1	64.4	<30	3	5	17	67	4.2	69	8.5
8729	1.40	<2	148	33	27	<1	104.7	<30	<2	<4	5	95	3.8	16	16.0
8730	0.41	7	101	45	116	<1	63.8	55	4	36	69	90	8.6	5	8.9
8735	2.30	7	390	71	239	<1	130.9	<30	<2	4	18	303	3.1	38	44.1
8736	1.41	2	1607	52	146	<1	147.9	<30	5	<4	14	633	4.6	15	28.6
8738	1.46	3	18	45	34	<1	96.9	<30	<2	<4	23	32	2.8	8	8.9
8739	3.59	8	116	67	110	<1	154.0	<30	3	22	8	129	4.7	11	27.4
8740	3.81	4	109	74	112	<1	169.6	37	<2	13	7	86	5.5	13	31.1
8741	0.46	2	15	53	14	<1	39.8	<30	<2	<4	7	123	11.0	19	17.8
8744	0.49	4	94	66	64	<1	135.6	37	<2	5	6	57	6.0	18	20.4
8745	1.06	4	128	65	28	<1	35.7	<30	9	<4	5	86	0.7	21	12.2
8747	2.53	<2	30	31	58	<1	111.5	<30	<2	<4	<2	20	3.9	8	15.9
8748	2.57	<2	46	79	46	<1	64.2	<30	<2	<4	<2	28	5.8	217	15.6
8750	2.44	8	105	44	58	<1	66.2	79	8	10	5	52	3.8	56	17.2
8773	4.65	<2	34	100	195	<1	252.2	<30	<2	<4	20	66	2.7	17	52.3
8704	1.30	<2	94	34	36	<1	103.7	<30	8	<4	6	63	2.1	8	23.6
9709	3.33	<2	605	145	197	<1	317.7	<30	<2	4	46	335	6.3	38	84.0
9711	4.41	<2	715	160	694	<1	544.0	<30	<2	<4	75	419	17.4	50	101.6
9715	0.48	<2	135	17	24	1	129.8	<30	<2	<4	6	81	1.6	6	26.9
9719	0.10	<2	154	28	19	<1	117.2	<30	<2	<4	14	98	4.4	4	33.6
9720	0.35	<2	718	71	71	<1	321.1	30	8	6	40	461	9.2	10	81.0
9724	2.49	<2	148	58	46	<1	150.3	<30	<2	<4	28	142	5.5	5	27.3

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MA	MC	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
8618	4	<4	11.7	5	<40	<1	14.1	241	<2	4	<1	48	2
8619	5	10	46.8	17	88	<1	43.3	762	4	5	<1	52	5
8620	4	<4	6.7	<4	64	<1	16.2	473	<2	<4	<1	40	<2
8621	7	<4	7.0	<4	97	<1	14.1	100	<2	6	<1	17	6
8622	3	<4	7.4	<4	61	<1	15.1	100	3	<4	<1	10	<2
8623	6	13	13.3	7	63	<1	23.3	177	2	10	1	92	<2
8649	4	<4	12.4	9	<40	<1	23.1	203	<2	7	<1	60	<2
8650	6	<4	13.1	9	122	<1	24.0	331	4	20	1	45	10
8651	5	<4	11.8	11	<40	<1	34.8	199	<2	10	2	27	11
8652	8	<4	9.2	<4	126	<1	24.8	106	9	<4	<1	85	<2
8653	9	<4	7.5	9	136	<1	27.2	109	17	8	1	52	4
8655	17	6	22.7	<4	<40	<1	65.1	411	<2	14	<1	1115	<2
8672	3	<4	12.5	<4	49	<1	17.7	287	<2	<4	<1	57	7
8675	15	<4	76.6	16	268	<1	80.3	1010	4	32	1	1073	<2
8678	7	9	16.1	<4	72	<1	18.7	305	3	10	<1	28	3
8680	5	24	115.1	4	<40	<1	33.5	82	<2	8	1	52	2
8681	21	52	86.6	<4	139	<1	30.7	309	<2	17	<1	308	<2
8682	168	25	120.9	4	178	<1	43.3	436	4	17	<1	554	3
8686	9	<4	10.4	<4	50	<1	17.7	330	<2	4	<1	33	<2
8687	6	12	19.4	17	76	<1	24.6	483	<2	12	<1	250	<2
8688	6	<4	4.8	<4	<40	<1	21.3	187	2	5	<1	30	<2
8691	9	11	13.5	13	41	<1	14.0	576	3	14	2	650	21
8693	3	<4	23.0	<4	<40	<1	18.0	671	2	13	1	20	<2
8703	5	<4	64.8	4	348	<1	42.2	287	<2	17	<1	299	<2
8706	6	<4	19.2	8	52	<1	32.2	249	<2	11	<1	941	<2
8708	76	21	12.2	<4	91	<1	2.8	191	8	<4	<1	52	<2
8709	3	9	93.2	6	<40	<1	15.5	256	<2	26	<1	40	<2
8710	4	15	39.2	9	61	<1	22.7	306	<2	49	2	63	11
8721	3	<4	6.7	5	62	<1	18.0	91	4	<4	<1	9	4
8722	4	6	7.5	4	129	<1	23.4	162	<2	14	2	32	9
8723	5	12	11.8	14	169	<1	34.9	242	2	23	3	16	15
8724	12	<4	57.1	<4	<40	<1	38.5	980	<2	68	<1	234	<2
8725	9	16	40.2	<4	<40	<1	21.6	989	<2	9	<1	144	<2
8726	21	24	51.2	<4	<40	<1	36.4	435	<2	9	1	322	7
8728	11	<4	23.9	5	71	<1	24.1	415	3	7	<1	91	<2
8730	70	4	6.2	19	<40	<1	0.4	447	3	16	2	115	5
8735	13	<4	71.4	4	<40	<1	37.1	1762	7	33	<1	1159	<2
8736	16	<4	49.4	12	<40	<1	42.4	930	15	27	<1	489	<2
8738	5	<4	29.1	16	60	<1	32.3	564	<2	13	1	71	4
8739	16	6	51.7	12	<40	1	43.9	890	4	42	1	31	6
8740	15	12	60.4	4	<40	<1	48.9	978	2	40	2	22	9
8741	9	<4	63.9	4	<40	<1	6.5	429	<2	15	<1	19	<2
8744	7	<4	32.7	32	56	<1	46.0	717	<2	34	1	140	<2
8745	4	16	39.1	12	<40	<1	37.6	662	<2	43	<1	30	5
8747	<2	<4	23.6	<4	87	<1	26.1	565	<2	9	<1	15	<2
8748	18	10	119.6	<4	<40	<1	38.7	399	<2	6	<1	13	<2
8750	22	13	52.1	<4	<40	<1	19.6	363	3	27	3	9	18
8779	7	<4	44.4	7	43	<1	20.0	1107	2	6	1	267	<2
9704	10	5	31.1	13	459	<1	13.1	497	3	16	1	35	<2
9709	70	37	119.5	15	<40	<1	45.7	1662	16	112	<1	156	<2
9711	46	6	146.1	23	<40	<1	101.8	3436	21	30	<1	16171	<2
9715	8	4	12.1	<4	<40	<1	14.1	225	3	8	<1	299	<2
9718	5	4	22.3	<4	<40	<1	29.2	266	2	7	<1	123	<2
9720	72	13	53.7	10	47	<1	47.3	795	20	18	1	2045	3
9724	18	16	43.0	<4	<40	<1	15.7	575	3	10	<1	180	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
9727	W	35	32.889	107.631	2	08	05/09/76	17	15.0	8.8			8.2	410
9729	S	35	32.877	107.667	2	07	05/08/76	18	15.0	9.9			8.0	485
9730	P	35	32.881	107.677	2	06	05/08/76	18	15.0	10.2			8.2	495
9731	S	35	32.881	107.612	2	07	05/08/76	18	14.0	10.8			8.0	475
9782	I	35	32.932	107.577	2	10	05/09/76	9	18.0	13.5	C		8.0	1100
9784	W	35	32.934	107.543	2	08	05/09/76	10	18.0	11.1			7.4	840
9991	S	35	32.985	107.799	2	07	06/10/76	16	24.0	17.0			7.9	102
9992	S	35	32.990	107.801	2	07	06/10/76	18	17.0	15.5			7.7	120
32751	W	35	32.162	106.740	2	08	06/16/77	13	38.0	18.5			7.5	650
32754	W	35	32.542	106.995	2	08	06/18/77	9	32.0	22.2			7.1	1000
32757	W	35	32.617	107.020	2	08	06/18/77	11	36.0	28.7	C		7.1	750
32759	W	35	32.620	107.028	2	08	06/18/77	11	38.0	28.7	C		7.2	750
32762	W	35	32.548	107.110	2	08	06/18/77	12	38.0	27.7	C		6.9	325
32764	W	35	32.515	107.081	2	08	06/18/77	13	40.0	23.5	C			700
32770	W	35	32.627	107.038	2	08	06/18/77	16	42.0	27.0			7.5	2300
32780	P	35	32.606	107.189	2	06	06/26/77	9	30.0	31.7	C		7.1	350
32782	W	35	32.644	107.136	2	08	06/26/77	10	34.0	22.1			8.5	405
32783	W	35	32.651	107.152	2	08	06/26/77	11	34.0	29.2			8.7	700
32784	W	35	32.616	107.166	2	08	06/26/77	12	35.0		C		8.1	480
32786	W	35	32.568	107.134	2	08	06/26/77	13	38.0	20.4	C		7.2	325
32788	W	35	32.572	107.113	2	08	06/26/77	13	39.0	23.2	C		7.1	425
32795	W	35	32.549	107.231	2	08	06/26/77	18	34.0	23.9			7.2	275
32797	W	35	32.676	107.215	2	08	06/27/77	9	29.0	20.7			7.2	1700
32800	W	35	32.688	107.230	2	08	06/27/77	9	31.0	18.9	C		7.1	600
32827	W	35	32.628	107.285	2	08	06/17/77	10	34.0		C		8.0	600
32829	W	35	32.629	107.313	2	08	06/17/77	11	35.0		C		7.3	900
32831	W	35	32.678	107.312	2	08	06/17/77	11	36.0		C		7.9	750
32833	W	35	32.659	107.360	2	08	06/17/77	13	36.0		C		8.2	380
32834	W	35	32.664	107.384	2	08	06/17/77	13	36.0		C		8.0	510
32836	W	35	32.689	107.379	2	08	06/17/77	13	36.0	24.2			7.1	500
32841	W	35	32.704	107.331	2	08	06/17/77	14	36.0	27.7	C		7.3	500
32846	W	35	32.585	107.374	2	08	06/26/77	10	35.0	21.5	C		6.9	550
32849	W	35	32.636	107.355	2	08	06/26/77	11	35.0	24.0	C		7.1	550
32856	W	35	32.558	107.293	2	08	06/26/77	15	37.0	34.0	C		7.1	550
32857	W	35	32.555	107.314	2	08	06/26/77	16	36.0	31.9	C		7.1	500
32861	W	35	32.515	107.346	2	08	06/26/77	17	36.0		C		8.8	482
32863	W	35	32.551	107.404	2	08	06/26/77	18		27.0	C		7.3	500
32875	W	35	32.505	107.435	2	08	06/27/77	15	34.0	25.9			7.1	550
32877	W	35	32.513	107.400	2	08	06/27/77	15	34.0	19.0	C		7.3	550
32879	W	35	32.534	107.394	2	08	06/27/77	16	35.0	23.1	C		7.3	550
32882	W	35	32.636	107.432	2	08	06/29/77	11	35.0	27.9			6.7	575
32884	W	35	32.647	107.471	2	08	06/29/77	12	35.0	23.0			7.1	425
32885	W	35	32.597	107.474	2	08	06/29/77	13	35.0		C		7.6	550
32886	W	35	32.574	107.455	2	08	06/29/77	13	36.0	27.9			6.7	550
32891	W	35	32.503	107.455	2	08	06/29/77	15	37.0	22.0			6.9	475
32893	W	35	32.612	107.497	2	08	06/29/77	15	37.0		C		8.4	500
32894	W	35	32.751	107.425	2	08	06/29/77	11	36.0	22.3			6.8	420
32896	W	35	32.781	107.407	2	08	06/29/77	12	36.0	23.5	C		7.3	262
32897	W	35	32.751	107.414	2	08	06/29/77	13	35.0		C		8.4	225
32898	W	35	32.855	107.338	2	08	06/29/77	16	37.0	21.9	C		7.3	290
32899	W	35	32.859	107.361	2	08	06/29/77	17	35.0	23.8	C		7.3	320
32900	W	35	32.871	107.409	2	08	06/29/77	18	29.0	21.8	C		7.1	390
33012	W	35	32.906	107.439	2	08	05/21/77	11	23.0				7.4	500
33016	S	35	32.978	107.384	2	07	05/21/77	12	27.0				7.6	430
33322	W	35	32.811	107.309	2	08	07/23/77	13	27.0	27.4			6.7	1500

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	C AMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-DP (FEET)	WATD (FEET)
9727	1		3	6				1	4	2	1	6		
9729	1	14	3	6	4	6	2	1	4	2				
9730	1	16	3	6	4	6	2	1	4	2				
9731	1	18	3	6	4	6	3	1	4	2				
9782	1	23	3	6	4	7		1	3	1				
5784	1		3	1				1	3	1	1	6		
6891	1	11	3	4	3	1	2	1	5	1				
9892	1	18	3	4	3	6	3	1	5	1				
32751	1	9	4				4	1	1	1	6	10	150	
32754	1	8	3	8			2	1	3	1	3	6		
32757	1	9	4				3	1	2	1	8			
32759	1	7	4				3	1	2	1	8			
32762	9	10	3	7			3	1	3	1	3			
32764	1	14	3	7			3	1	3	1	1	6		
32770	1	8	4				3	1	3	2	3	10	60	7
32780	1	15	3	8			4	1	3	1				
32782	1	8	1	1			2	1	3	1	5	6		
32783	1	9	1	1			3	1	3	1	3	8	140	165
32784	9	7	1	1			1	1	2	1	1	4		
32786	1	14	3	8			2	2	3	1	1	6		
32788	1	5	3	9			3	1	4	1	1	6		
32795	1	14	3	8			3	1	4	3	1	4		
32799	1	10	4				3	1	2	1	3	8	80	
32800	9	10	1	1			3	1	2	1	3			
32827	1	3					2	5	2	1	1	4		
32829	3	14					1	3	3	1	1	4		
32831	1	6	2	5			1	4	3	1	1	4		
32833	1	12					2	1	3	1	1	4		
32834	1	10					2	1	2	1	1	4		
32836	1	10	2	7			2	1	3	1	1	4		
32841	1	9					2	1	3	1	1	2		
32846	1	13					3	1	2	1	3	4		
32848	1	9					4	1	1	1	6	10		
32856	1	8	3	8			4	1	1	2	6	12		
32857	1	8	3	8			4	1	1	2	6	12		
32861	1	10	3	7			1	5	2	3	3	3		
32863	1						4	1	1	2	6	12		
32875	1	9	3	8			2	1	3	3	1	3		
32877	1	1	3	8			3	1	2	3	3	2		
32879	1	8	3	8			4	1	1	3	6			
32882	1	13	3	7			3	1	3	2	1	3		
32884	1	9	3	7			3	1	2	2	3	3		
32885	1	11	3	7			3	1	1	2	3	1		
32886	1	9					3	1	2	2	3	1	380	
32891	1	6	3	7			3	1	2	2	3	3		
32893	1	10	3	7			3	1	1	1	1	3		
32894	1	16	1	1			2	1	3	2	1	6		
32896	1	22	1	1			2	1	2	2	1	6		
32897	9	9	1	1			1	1	2	2	1	4		
32898	1	13	1	1			2	1	2	3	3	6	104	222
32899	1	13	1	1			2	1	2	3	1	4	105	
32900	1	11	1	1			2	1	3	3	1	6		
33012	1	27	1	6			2	1	2	1				
33016	1	46	1	6					3	1				
33392	1	10	1	6			3	1	2	3				

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	L	AC	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
9727	7.07	<2	259	209	18	<1	61.2	<30	<2	<4	15	165	4.4	66	9.1
9729	7.59	<2	120	25	25	<1	131.3	<30	<2	<4	3	75	3.2	3	18.8
9730	7.04	<2	228	62	48	<1	239.1	<30	4	<4	14	127	6.9	8	35.3
9731	2.77	5	553	52	47	<1	212.1	45	<2	9	21	302	6.3	6	27.6
9782	0.16	<2	136.3	127	36	<1	17.3	<30	<2	<4	16	1003	13.3	419	1.9
9784	2.63	<2	332	105	164	<1	236.0	<30	<2	<4	24	223	5.6	39	48.9
9891	0.10	4	102	8	10	<1	12.0	47	<2	4	3	46	1.6	2	3.0
9892	0.10	5	101	5	12	<1	16.6	<30	7	<4	2	44	1.4	2	2.9
32751	0.90	<2	137	111	151	<1	105.3	<30	<2	6	2	499	4.6	83	16.4
32754	0.77	<2	121	251	40	<1	61.6	<30	2	<4	5	368	4.8	131	15.5
32757	0.64	<2	106	152	89	<1	84.0	<30	<2	<4	<2	880	5.6	84	16.8
32759	1.79	<2	235	185	109	<1	98.5	<30	<2	<4	6	1135	6.6	97	19.5
32762	2.11	4	157	66	26	<1	24.0	34	<2	<4	36	376	3.2	29	11.8
32764	8.13	<2	177	278	92	<1	21.1	<30	<2	<4	11	466	2.1	31	10.1
32770	2.40	<2	134	383	104	<1	349.5	<30	8	5	18	366	8.9	178	52.9
32780	2.46	<2	92	83	23	<1	33.3	<30	<2	<4	2	244	5.2	31	9.4
32782	6.06	4	248	147	7	<1	1.9	42	<2	25	9	564	2.4	71	0.4
32783	22.40	9	154	777	6	<1	1.1	<30	<2	34	8	365	2.8	44	0.3
32734	3.00	<2	225	104	15	<1	50.5	<30	6	<4	15	454	6.9	30	21.2
32786	1.78	4	247	67	23	<1	41.6	<30	<2	11	12	537	4.4	28	16.9
32788	1.37	3	207	86	92	<1	29.4	<30	<2	<4	20	417	4.5	32	23.0
32795	1.37	2	162	33	44	<1	37.3	<30	<2	<4	11	392	7.1	13	8.3
32799	10.37	<2	90	858	37	<1	186.1	<30	<2	<4	7	303	7.1	177	39.4
32800	1.93	<2	182	136	67	<1	84.1	<30	5	4	4	409	4.2	66	10.5
32827	2.60	<2	<10	180	65	<1	14.9	<30	3	<4	15	69	7.0	36	5.3
32829	2.07	<2	5882	265	116	<1	24.8	<30	<2	<4	14	3491	12.2	32	6.1
32831	1.70	3	<10	189	25	<1	38.9	<30	<2	10	14	39	4.0	50	7.2
32833	1.78	<2	46	71	46	<1	40.8	35	6	9	14	90	3.7	10	4.8
32834	2.88	7	<10	131	31	<1	30.1	34	3	5	9	36	5.5	24	7.7
32836	7.30	<2	20	106	53	<1	28.1	<30	<2	6	10	120	4.9	20	5.6
32841	1.44	<2	20	87	58	<1	92.9	<30	<2	5	54	40	2.6	29	10.7
32846	3.89	<2	12	104	25	<1	21.1	<30	<2	4	4	32	6.4	19	5.0
32848	0.54	<2	12	120	84	<1	26.7	<30	<2	5	6	40	4.9	17	5.5
32856	4.04	<2	<10	116	19	<1	25.7	<30	<2	4	4	30	8.1	21	5.3
32857	5.20	<2	<10	118	31	<1	27.1	<30	8	<4	6	38	8.9	23	7.0
32861	2.26	3	113	202	25	<1	9.8	<30	12	<4	9	118	8.6	18	3.8
32863	7.21	<2	<10	143	47	<1	29.0	<30	8	<4	3	35	8.8	25	4.3
32875	1.30	<2	69	87	25	<1	30.0	<30	<2	<4	11	162	6.9	22	11.7
32877	6.50	<2	187	97	14	<1	26.1	<30	4	<4	20	365	5.5	20	10.7
32879	5.20	<2	120	270	17	<1	14.7	<30	4	<4	6	227	5.7	41	3.8
32882	1.02	<2	63	98	39	<1	43.1	<30	8	<4	35	146	6.6	16	13.0
32884	2.19	<2	120	81	9	<1	13.4	<30	<2	9	5	130	2.0	22	2.1
32885	1.17	2	78	162	14	<1	13.6	<30	<2	12	10	116	5.4	30	4.3
32886	0.27	<2	66	103	113	<1	49.4	<30	<2	<4	7	123	6.5	28	7.9
32891	1.23	<2	142	94	10	<1	38.0	<30	<2	<4	4	150	3.0	26	6.6
32893	1.16	<2	104	101	15	<1	15.3	<30	4	22	10	170	2.3	19	5.9
32894	1.42	4	99	60	39	<1	81.1	46	9	17	13	200	2.8	27	12.3
32896	1.34	2	406	38	26	<1	51.8	<30	<2	4	12	370	1.8	10	8.0
32897	1.12	<2	107	59	31	<1	22.5	<30	6	<4	17	3039	2.9	13	6.8
32898	1.64	10	313	41	50	<1	74.2	78	7	7	3	207	2.5	15	5.3
32899	0.58	4	219	35	40	<1	55.8	<30	3	4	19	219	2.0	14	5.8
32900	2.91	<2	165	32	34	<1	78.1	<30	10	<4	26	223	1.7	12	6.6
33012	7.64	<2	30	27	48	<1	104.3	36	6	<4	25	19	2.0	22	15.5
33016	2.50	2	22	30	28	<1	89.8	<30	10	<4	3	18	2.4	29	11.1
33392	7.25	6	13	411	18	<1	10.2	35	2	18	14	144	1.5	35	3.7

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MA	MC	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
9727	10	<4	124.3	4	<40	<1	27.8	410	5	<4	<1	574	<2
9729	5	<4	23.5	<4	<40	<1	17.2	444	2	<4	<1	379	<2
9730	11	<4	51.1	<4	<40	<1	32.1	851	6	9	<1	374	<2
9731	16	4	38.9	19	67	<1	32.3	640	11	20	2	277	7
9782	358	<4	340.3	19	346	<1	48.1	217	16	<4	<1	61	<2
9784	32	14	102.6	18	<40	<1	36.3	1955	12	5	1	1557	7
9891	2	5	6.4	15	117	<1	17.9	83	2	5	1	10	5
9892	3	<4	7.9	<4	79	<1	18.2	87	3	<4	<1	14	2
32751	365	21	76.4	<4	57	<1	13.9	1260	7	<4	1	163	4
32754	272	22	219.3	<4	85	<1	16.2	898	5	<4	<1	148	7
32757	822	5	93.0	<4	<40	<1	13.1	1024	5	<4	<1	106	<2
32759	1032	5	106.4	6	61	<1	15.3	1207	7	<4	<1	103	<2
32762	15	<4	43.3	85	<40	<1	18.8	371	6	35	<1	188	<2
32764	7	<4	189.2	<4	41	<1	30.9	1214	5	90	<1	133	<2
32770	2235	<4	347.1	33	<40	<1	12.6	4696	9	4	2	211	<2
32780	4	5	60.4	<4	<40	<1	27.7	372	4	29	<1	94	<2
32782	5	10	108.6	<4	<40	<1	18.3	28	11	56	1	55	<2
32783	5	10	156.8	11	<40	1	19.7	11	10	284	2	26	<2
32734	7	10	55.4	12	59	<1	30.5	721	13	80	<1	46	<2
32786	15	<4	23.9	14	<40	<1	32.4	571	13	23	1	393	2
32788	6	<4	61.3	11	<40	<1	32.4	814	11	72	<1	158	2
32795	6	4	17.0	<4	<40	<1	36.0	368	10	19	<1	167	7
32799	11	<4	384.6	<4	<40	1	32.0	5349	8	15	<1	684	<2
32800	698	4	78.1	<4	86	<1	15.3	1361	9	<4	<1	64	<2
32827	2	8	79.8	<4	99	<1	36.9	462	<2	75	<1	18	<2
32829	171	18	111.9	13	389	1	40.1	277	71	34	<1	87	<2
32831	5	15	106.1	<4	<40	<1	30.3	692	2	32	<1	39	<2
32833	4	<4	18.6	9	47	<1	21.0	325	2	16	1	28	4
32834	2	13	51.9	11	<40	1	31.2	489	2	27	<1	129	5
32836	6	10	52.3	6	<40	1	28.7	384	2	9	<1	276	<2
32841	11	<4	35.8	18	<40	<1	33.0	1071	<2	11	1	204	7
32846	<2	<4	46.3	5	94	<1	32.5	335	2	21	<1	29	13
32848	2	<4	42.0	<4	47	<1	30.5	402	<2	24	<1	29	<2
32856	2	<4	41.4	<4	<40	<1	36.7	415	2	30	<1	44	9
32857	2	<4	43.0	9	<40	<1	41.6	470	2	22	<1	109	<2
32861	21	<4	66.5	20	88	<1	32.0	210	4	23	1	24	<2
32863	4	<4	50.9	<4	<40	<1	42.0	418	3	44	<1	251	4
32875	5	<4	33.6	<4	42	<1	33.2	470	5	16	<1	75	2
32877	7	<4	42.5	37	<40	<1	30.6	484	10	30	<1	395	<2
32879	5	7	50.3	13	<40	<1	26.7	301	7	26	<1	38	<2
32882	6	<4	36.0	<4	<40	1	36.3	557	5	16	<1	198	2
32894	5	<4	68.9	4	<40	1	15.0	145	5	15	<1	639	<2
32895	2	5	75.0	<4	<40	1	35.0	261	4	29	<1	23	7
32896	3	<4	36.2	<4	<40	1	38.6	623	4	29	<1	207	<2
32891	5	12	39.5	5	<40	1	24.0	358	7	19	<1	196	<2
32893	4	8	67.0	<4	<40	1	17.7	151	5	40	<1	37	2
32894	8	17	41.7	<4	<40	1	19.7	552	7	21	1	144	18
32896	7	15	15.8	<4	<40	<1	17.8	531	4	4	<1	1072	<2
32897	24	<4	42.5	14	45	<1	20.8	282	2	<4	1	100	<2
32898	5	17	26.8	<4	<40	<1	21.3	954	6	21	3	89	19
32899	17	<4	29.5	<4	<40	<1	16.5	529	3	19	1	989	3
32900	6	14	29.8	<4	<40	<1	16.0	334	3	<4	<1	144	<2
33012	11	41	34.7	17	<40	<1	19.1	427	<2	8	<1	308	<2
33016	16	13	35.6	7	<40	<1	22.3	324	<2	19	<1	14	2
33372	6	<4	174.4	4	<40	<1	32.6	250	<2	216	2	150	15

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMP	MEAS	PH	CT-F
33525	W	35	32.806	107.332	2	08	06/27/77	13	36.0	19.8			6.9	450
33527	W	35	32.813	107.393	2	08	06/27/77	15	36.0	23.8	C		7.2	310
33528	W	35	32.836	107.393	2	08	06/27/77	15	36.0	20.4			7.2	280
33531	W	35	32.837	107.440	2	08	06/27/77	16	37.0	23.5	C		7.2	280
33572	W	35	32.817	107.422	2	08	06/27/77	18	30.0	20.8	C		7.2	310
33549	W	35	32.761	107.477	2	08	06/27/77	19	28.0	19.1	C		7.3	430
33549	S	35	32.762	107.497	2	07	06/27/77	20	25.0	19.1	C		8.0	750
33622	W	35	32.014	107.096	2	08	06/14/77	16	35.0	29.5	C		8.0	1150
33631	W	35	32.352	107.127	2	08	06/16/77	10	34.0	20.8			7.7	1200
33622	W	35	32.291	107.165	2	08	06/15/77	18	37.0	24.3			7.8	690
33616	W	35	32.388	107.154	2	08	06/15/77	17	39.0	32.5	C		7.8	1000
33647	W	35	32.534	107.150	2	08	06/15/77	14	40.0	19.1	C		6.5	550
33651	W	35	32.274	107.215	2	08	06/14/77	18	38.0	22.8			7.1	700
33672	W	35	32.373	107.053	2	08	06/12/77	17	35.0	33.2			6.9	770
33687	W	35	32.288	107.018	2	08	06/11/77	18	34.0	23.9			7.7	1050
33697	W	35	32.453	106.971	2	08	06/11/77	13	37.0	22.4			7.1	500
33698	W	35	32.470	106.962	2	08	06/11/77	13	36.0	19.5			7.2	650
33701	W	35	32.494	107.287	2	08	06/11/77	15	34.0	31.9			7.1	460
33704	W	35	32.429	107.333	2	08	06/11/77	17	34.0		C		7.6	500
33707	W	35	32.376	107.391	2	08	06/11/77	18	33.0	26.9			6.9	560
33709	W	35	32.293	107.350	2	08	06/12/77	14	33.0	21.0			6.7	600
33712	W	35	32.336	107.349	2	08	06/12/77	15	34.0	26.5			6.9	600
33714	W	35	32.372	107.355	2	08	06/12/77	15	34.0	27.9			7.1	550
33721	W	35	32.375	107.291	2	08	06/12/77	18	33.0		C		6.8	700
33723	W	35	32.345	107.292	2	08	06/12/77	18	33.0		C		8.5	480
33725	W	35	32.313	107.298	2	08	06/12/77	19	33.0		C		7.5	800
33730	W	35	32.292	107.297	2	08	06/14/77	13	35.0	20.7			7.3	1200
33733	W	35	32.235	107.198	2	08	06/14/77	15	35.0	21.2			7.6	850
33735	W	35	32.205	107.197	2	08	06/14/77	15	35.0	23.0			7.5	700
33739	W	35	32.161	107.068	2	08	06/14/77	16	35.0	21.9			7.3	1100
33743	W	35	32.192	107.098	2	08	06/14/77	17	34.0	23.7			7.1	600
33751	W	35	32.126	107.241	2	08	05/28/77	14	33.0		C		8.7	1710
33756	W	35	32.090	107.236	2	08	05/28/77	15	33.0	21.9	C		8.0	1400
33761	W	35	32.167	107.113	2	08	05/28/77	16	33.0	24.9			7.3	950
33763	W	35	32.101	107.087	2	08	05/28/77	17	33.0		C		7.6	1190
33765	W	35	32.059	107.055	2	08	05/28/77	17	32.0	27.0	C		7.2	1500
33767	W	35	32.199	107.320	2	08	05/31/77	14	32.0	22.5			7.6	700
33773	W	35	32.225	107.321	2	08	06/01/77	8	29.0				7.4	1200
33774	W	35	32.229	107.299	2	08	06/01/77	9	31.0	25.5	C		7.6	770
33776	W	35	32.214	107.254	2	08	06/01/77	10	32.0	27.1			7.9	1600
33777	W	35	32.243	107.304	2	08	06/01/77	10	33.0		C		8.9	1200
33787	W	35	32.149	107.350	2	08	06/01/77	14	35.0	26.1			7.9	800
33816	W	35	32.259	107.457	2	08	06/10/77	11	34.0	23.0			7.5	430
33817	W	35	32.278	107.453	2	08	06/10/77	12	34.0	22.0			7.3	480
33818	W	35	32.284	107.499	2	08	06/10/77	12	34.0	22.3			6.9	650
33820	W	35	32.330	107.471	2	08	06/10/77	13	34.0	21.7			7.0	500
33822	W	35	32.353	107.478	2	08	06/10/77	14	34.0	23.9			7.1	460
33825	W	35	32.380	107.472	2	08	06/10/77	15	34.0	21.5			7.5	470
33827	W	35	32.429	107.499	2	08	06/10/77	15	34.0	21.7			7.1	500
33828	W	35	32.430	107.485	2	08	06/10/77	15	34.0	25.9			7.5	600
33829	W	35	32.395	107.464	2	08	06/10/77	16	34.0	23.3			7.4	575
33831	W	35	32.458	107.494	2	08	06/10/77	16	33.0	21.0			7.3	550
33834	W	35	32.371	107.427	2	08	06/10/77	17	34.0	29.1			7.7	600
33840	W	35	32.262	107.425	2	08	06/11/77	13	35.0	22.0			7.2	1100
33842	W	35	32.449	107.439	2	08	06/11/77	13	35.0	22.5			7.1	550

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-OP (FEET)	WATD (FEET)
33525	1	5	1	1			5	1	3	3	3			
33527	1	5	1	6			2	1	3	3	1	4		
33528	1	19	1	6			3	1	3	3	1	6		
33531	1	13	1	6			3	1	3	3	1	4		
33532	1	9	1	6			3	1	3	3	1	4		
33548	1	20	4				3	1	3	3	1	4		
33549	1	22	4		3	7	2	1	3	3				
33622	1	9	3	8			2	1	1	1	1	4		
33631	1	12	3	8			3	1	3	1	1	6		
33632	1	7	4				3	1	1	2	1	4		
33636	1	8	3	8			2	1	1	2	1	4		
33643	1	9	3	7			3	1	4	1	1	4		
33651	1	10	3	1			3	1	1	2	1	6		
33672	1	13	4				2	1	3	2	3			
33687	1	16	4				2	1	2	1	1	6		
33697	1	5	1	1			2	1	3	2	1	4		
33698	1	12	1	6			2	1	3	2	8	4		
33701	1	3	3	8			2	1	1	1	3	4		
33704	1						3	1	2	1	3	6		
33707	1	14	3	7			3	1	2	1	1	4		
33709	1	9					2	1	1	2	1	2		
33712	1	8	3	8			3	1	2	2	1	4		
33714	1						2	1	2	2	1	4		
33721	1	14	3	1					3	1				
33723	1	13	3	7			2	1	2	2	1	2		
33725	1	6	3	8			3	1	1	1	1	6		
33730	1	1	3	7			3	1	2	1	3	8		
33733	1	6	3	8			3	1	2	1	1	6		
33735	1	9					3	1	1	1	1	4		
33739	1	10	3	7			3	1	2	1	1	2		
33743	1	11	3	7			3	1	3	2	3	1		
33751		6					2	1	2	1	3			
33756		9	3	8			2	1	2	1	1	8		
33761		6	3	7			3	1	3	1	3	6		
33763		8	3	8			3	1	2	1	3	6		
33765		9	3	8			3	1	2	1	3	6		
33767	1	4					3	1	2	2	1	4		
33773		7					3	1	2	1	1	4		
33774		5					3	1	2	1	1	4		
33776		11	3	8			3	1	2	1	1	8		
33777		13					3	1	2	1	1	6		
33787		5						1	2	1				
33816	1	14					2	1	1	1	1	4		
33817		11	3	8			3	1	1	1	1	8		
33818		11					3	1	1	1	1	8		
33820		16					2	1	1	1	1	4		
33822		9					3	1	1	1	1	6		
33825		11					3	1	1	1	1	8		
33827	1	11	4	6			3	1	1	1	3	6		
33828		18					3	1	1	1	3	6		
33829	1	7					3	1	1	1	1	6		
33831	1	7					3	1	1	1	3	4		
33834	1	5	3	7			2	1	3	1	1	6		
33940	1	10					3	1	1	1	3	10	170	100
33942	1	5	3	7			3	1	1	1	1	4		

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	U	AG	AL	B	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
33525	2.65	12	182	69	92	<1	104.7	143	7	10	5	263	1.8	14	11.7
33527	3.21	<2	164	42	38	<1	61.1	<30	<2	<4	38	261	1.6	10	7.8
33528	3.55	<2	138	27	23	<1	59.6	<30	<2	<4	33	295	1.6	7	7.5
33531	1.50	3	130	38	17	<1	53.5	<30	<2	<4	14	298	1.5	11	6.8
33532	3.30	3	159	36	35	<1	67.0	<30	<2	<4	19	332	1.5	96	9.7
33548	3.15	<2	198	75	59	<1	73.4	<30	<2	<4	25	422	4.0	49	13.2
33549	4.02	<2	222	140	98	<1	99.0	<30	<2	<4	8	358	9.5	282	38.5
33622	1.66	<2	21	758	45	<1	5.1	<30	<2	<4	18	988	3.4	124	1.4
33631	13.40	<2	147	372	27	<1	15.4	<30	2	<4	14	403	1.2	50	24.8
33632	4.01	<2	536	518	25	<1	8.1	<30	<2	<4	8	491	0.9	21	1.8
33636	<0.0	3	138	415	74	<1	17.3	<30	6	6	12	368	0.6	25	9.7
33643	5.17	4	77	76	25	<1	93.4	40	<2	<4	10	312	11.3	33	24.9
33651	2.50	<2	531	529	47	<1	34.2	36	2	6	37	1083	2.6	25	10.3
33672	4.57	<2	213	557	50	<1	49.5	<30	<2	<4	12	440	8.9	61	15.8
33687	17.80	<2	33	883	29	<1	22.0	<30	<2	15	32	174	20.7	125	11.9
33697	4.75	<2	28	176	76	<1	34.6	<30	<2	<4	53	59	6.8	100	15.1
33698	7.52	<2	49	200	127	<1	28.2	<30	2	<4	32	53	4.3	55	9.5
33701	1.07	<2	15	71	67	<1	29.7	<30	<2	<4	11	11	7.5	14	7.3
33704	2.88	<2	21	195	46	<1	18.2	<30	<2	<4	4	11	5.8	50	17.0
33707	2.37	<2	17	132	93	<1	48.5	<30	2	<4	15	232	12.2	28	9.2
33709	0.70	<2	62	140	31	<1	23.7	<30	2	<4	9	37	11.3	30	18.6
33712	1.32	<2	100	150	33	<1	26.7	<30	<2	<4	27	422	10.0	30	8.7
33714	4.99	7	71	186	12	<1	17.5	67	4	6	9	268	10.2	24	6.6
33721	9.78	<2	64	215	44	<1	22.1	<30	<2	5	13	2051	10.2	34	3.3
33723	2.49	<2	72	190	21	<1	5.9	<30	<2	<4	14	46	16.0	31	1.9
33725	14.40	<2	40	367	23	<1	31.5	<30	<2	<4	44	60	13.3	48	9.7
33730	14.50	<2	52	384	78	<1	36.3	<30	<2	<4	7	31	14.8	62	11.3
33733	8.66	<2	18	413	25	<1	7.2	<30	<2	4	28	152	1.0	45	3.6
33735	4.13	2	33	282	20	<1	6.2	<30	<2	<4	5	68	2.4	45	3.8
33739	1.48	<2	12	331	23	<1	62.1	<30	<2	<4	27	35	2.4	23	44.0
33743	1.25	<2	49	116	4	<1	41.7	<30	<2	7	8	42	0.7	5	15.9
33751	10.48	3	116	1323	13	<1	1.5	47	<2	29	12	225	2.5	12	0.2
33756	8.30	<2	66	866	94	<1	4.1	<30	<2	9	51	522	9.2	36	2.0
33761	0.84	<2	160	326	18	<1	38.1	<30	2	25	13	102	1.9	22	20.6
33763	4.26	5	37	564	26	<1	12.9	55	<2	42	13	50	6.2	110	11.6
33765	5.28	2	111	1342	50	<1	22.9	54	3	4	21	81	21.9	318	16.0
33767	0.66	2	165	2100	32	<1	49.9	<30	<2	<4	9	482	1.8	51	0.5
33773	6.46	<2	212	412	68	<1	37.6	51	3	23	2548	29862	14.5	69	16.9
33774	5.13	<2	58	526	21	<1	6.1	<30	<2	5	26	68	16.0	88	4.5
33776	3.26	<2	58	248	11	<1	2.7	<30	<2	26	13	102	1.0	26	0.7
33777	5.27	<2	<10	263	7	<1	15.0	<30	<2	<4	26	789	2.5	41	4.0
33787	1.21	<2	59	173	13	<1	4.4	<30	<2	11	12	288	1.5	53	0.7
33816	1.66	5	16	106	44	<1	7.5	<30	<2	17	15	38	1.9	44	1.1
33817	2.40	<2	26	102	53	<1	23.8	<30	<2	13	26	15	2.1	36	6.5
33818	5.52	2	16	149	61	<1	42.9	58	<2	12	28	66	1.3	46	10.3
33820	2.06	<2	<10	69	64	<1	36.0	<30	4	6	101	<10	1.4	21	5.0
33822	0.74	<2	<10	70	66	<1	26.8	<30	<2	6	14	23	1.9	19	4.8
33825	1.28	<2	<10	78	24	<1	30.4	67	<2	7	8	31	2.2	18	5.2
33827	1.96	<2	234	79	15	<1	32.1	<30	<2	<4	<2	25	2.1	25	4.6
33828	1.21	<2	72	105	41	<1	59.5	<30	<2	<4	<2	22	3.8	27	10.1
33829	1.42	5	<10	70	57	<1	42.2	43	4	14	<2	41	2.9	14	14.0
33831	1.58	6	<10	79	18	<1	39.8	<30	5	7	<2	13	3.7	20	8.4
33834	1.07	<2	<10	59	28	<1	44.4	<30	8	<4	9	20	2.4	10	12.7
33840	3.73	<2	<10	376	44	<1	26.3	<30	10	5	<2	49	0.8	50	8.3
33842	1.79	<2	37	90	13	<1	36.2	<30	9	<4	4	64	4.3	17	10.6

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MN	MC	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
33525	10	8	46.1	6	42	<1	18.4	686	5	35	5	122	32
33527	6	15	31.3	<4	<40	<1	17.9	369	5	10	<1	540	<2
33528	12	<4	16.9	<4	<40	<1	17.3	275	5	6	<1	780	<2
33531	8	8	25.0	9	<40	<1	18.6	328	5	14	1	481	3
33532	5	25	36.0	<4	<40	<1	18.5	345	6	<4	<1	55	<2
33548	8	11	78.0	<4	<40	<1	21.2	446	9	<4	<1	284	<2
33549	14	12	175.8	<4	<40	<1	33.6	933	4	<4	<1	70	<2
33622	5	52	257.2	<4	<40	<1	7.9	232	<2	<4	<1	167	<2
33631	7	32	224.7	6	50	<1	13.5	875	2	184	<1	256	<2
33632	32	13	203.6	<4	46	<1	12.5	184	5	142	<1	189	3
33636	5	4	269.1	23	<40	<1	20.1	317	4	139	1	311	17
33643	5	15	45.0	5	42	<1	26.1	835	4	37	<1	674	3
33651	23	27	258.6	7	<40	<1	33.1	670	15	178	1	473	4
33672	10	18	194.9	16	<40	<1	20.1	940	6	28	<1	231	<2
33687	8	20	347.2	34	<40	<1	33.8	911	<2	65	<1	210	<2
33697	3	20	99.4	96	<40	<1	25.7	863	<2	69	<1	71	<2
33698	<2	4	179.2	<4	59	<1	21.1	855	<2	66	1	79	3
33701	2	<4	25.4	14	<40	<1	40.5	314	<2	17	<1	135	<2
33704	7	<4	49.9	6	<40	<1	25.4	975	<2	45	<1	39	<2
33707	19	32	50.6	5	<40	<1	42.1	704	<2	47	2	165	3
33709	6	18	57.1	<4	<40	<1	28.4	798	<2	72	<1	920	<2
33712	22	<4	85.7	<4	<40	<1	44.4	555	<2	84	<1	149	<2
33714	7	<4	88.5	9	<40	<1	39.6	417	<2	139	3	137	26
33721	63	9	95.2	4	<40	<1	36.8	480	<2	17	1	174	<2
33723	2	<4	67.6	5	49	<1	37.7	165	<2	<4	<1	24	<2
33725	4	<4	146.0	<4	<40	<1	37.7	534	<2	132	<1	155	<2
33730	4	<4	186.2	<4	<40	<1	28.3	631	<2	131	<1	42	<2
33733	5	18	188.5	<4	<40	<1	21.5	247	<2	145	<1	55	<2
33735	4	9	173.6	<4	<40	<1	32.5	227	<2	500	1	63	<2
33739	21	10	145.0	5	<40	<1	15.7	2335	<2	24	<1	388	<2
33743	4	15	49.7	<4	<40	<1	16.1	461	<2	53	1	61	<2
33751	6	11	425.0	32	<40	<1	44.2	57	3	200	<1	70	9
33756	5	55	257.8	<4	83	<1	28.9	225	<2	201	<1	332	<2
33761	5	19	167.1	14	146	<1	22.0	1302	<2	116	<1	164	13
33763	3	7	238.7	<4	<40	<1	8.6	860	<2	34	1	369	6
33765	7	43	207.5	7	347	<1	10.1	1329	2	12	2	148	4
33767	20	44	439.1	14	<40	<1	24.1	577	3	35	1	334	5
33773	122	<4	173.1	16	176	<1	42.5	798	2	222	3	5162	7
33774	6	23	290.1	<4	<40	<1	26.0	207	<2	101	<1	365	4
33776	4	9	137.8	<4	<40	<1	25.0	68	<2	200	<1	157	10
33777	11	<4	121.3	<4	<40	<1	24.8	243	<2	97	<1	133	<2
33737	7	6	93.3	8	<40	<1	19.4	116	<2	43	<1	1736	<2
33816	2	<4	67.8	25	<40	<1	12.4	274	<2	32	<1	66	9
33817	2	30	56.8	64	<40	<1	21.2	670	<2	33	1	63	<2
33818	4	<4	51.9	15	<40	<1	29.1	634	<2	31	3	99	10
33820	3	<4	38.6	4	<40	<1	18.0	370	<2	18	<1	201	<2
33822	3	<4	40.4	<4	<40	<1	15.6	339	<2	16	<1	111	<2
33825	2	11	38.9	18	<40	<1	17.8	295	<2	18	2	554	11
33827	2	<4	56.2	17	54	<1	19.5	256	<2	19	<1	64	<2
33828	2	20	63.5	<4	<40	<1	27.5	507	<2	21	1	68	<2
33829	2	17	45.3	4	<40	<1	33.3	755	<2	72	3	106	31
33831	2	6	45.9	<4	<40	<1	24.4	375	<2	52	1	49	19
33834	5	<4	54.0	<4	<40	<1	26.3	443	<2	49	<1	66	<2
33840	<2	<4	215.5	<4	<40	<1	19.4	1309	<2	24	<1	74	<2
33842	2	<4	44.7	9	<40	<1	23.0	414	<2	73	<1	38	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
33843	W	35	32.405	107.411	2	08	06/11/77	14	35.0		C		7.6	500
33846	W	35	32.472	107.386	2	08	06/11/77	14	34.0	20.9			7.2	525
33847	W	35	32.458	107.368	2	08	06/11/77	14	35.0	26.5			7.0	600
33849	W	35	32.491	107.367	2	08	06/11/77	15	34.0	26.5			7.2	600
33850	W	35	32.489	107.335	2	08	06/11/77	15	34.0		C		7.2	1600
33851	W	35	32.490	106.928	2	08	06/11/77	12	35.0	19.7			7.3	2300
33859	W	35	32.339	106.857	2	08	06/10/77	15	34.0	21.8			7.1	850
33874	W	35	32.375	106.986	2	08	06/10/77	12	39.0	25.8			8.4	1700
33890	W	35	32.039	107.416	2	08	06/09/77	17	38.0	20.2			7.6	1025
33895	W	35	32.092	107.380	2	08	06/09/77	19	29.0	23.0			7.5	700
33909	W	35	32.305	107.006	2	08	06/10/77	11	37.0	21.8			7.0	1006
33902	W	35	32.082	107.484	2	08	06/09/77	12	33.0	24.0			8.7	700
33905	W	35	32.106	107.479	2	08	06/01/77	18	36.0		C		7.9	1200
33906	W	35	32.125	107.486	2	08	06/01/77	17	38.0	22.9			8.4	700
33907	W	35	32.155	107.493	2	08	06/01/77	17	37.0	32.4	C		8.3	658
33918	W	35	32.155	107.469	2	08	06/01/77	16	38.0	21.5	C		7.5	1200
33909	W	35	32.132	107.469	2	08	06/01/77	16	38.0	21.2	C		7.5	1200
33910	W	35	32.141	107.440	2	08	06/01/77	15	39.0	21.9	C		8.8	550
33915	W	35	32.164	107.407	2	08	06/01/77	14	39.0	25.5	C		8.7	470
33916	W	35	32.169	107.443	2	08	06/01/77	14	40.0	24.3			8.6	475
33917	W	35	32.169	107.464	2	08	05/01/77	13	39.0	21.1			7.6	700
33918	W	35	32.169	107.486	2	08	06/01/77	13	39.0	22.5			7.6	700
33919	W	35	32.184	107.482	2	08	06/01/77	13	38.0	25.5	C		7.7	840
33921	W	35	32.224	107.478	2	08	06/01/77	12	38.0	21.8			7.5	390
33922	W	35	32.220	107.432	2	08	05/01/77	12	38.0		C		8.9	470
33926	W	35	32.232	107.390	2	08	06/01/77	8	29.0	22.2	C		7.9	410
33923	W	35	32.074	107.290	2	08	05/30/77	17	34.0	32.5			7.4	1930
33937	W	35	32.043	107.350	2	08	05/30/77	16	34.0	21.7			7.4	2600
33958	W	35	32.091	106.784	2	08	05/29/77	11	35.0	20.7	C		7.1	750
33964	W	35	32.052	106.871	2	08	05/29/77	8	27.0	33.9	C		7.3	750
33969	W	35	32.159	106.818	2	08	05/28/77	15	35.0		C		6.8	700
33982	W	35	32.149	106.989	2	08	05/27/77	18	29.0	21.9			7.3	1100
34010	W	35	32.014	106.894	2	08	05/19/77	14	31.0		C		7.1	780
34071	W	35	32.082	106.691	2	08	05/22/77	13	31.0	19.5	C		7.3	1100
34076	W	35	32.104	106.705	2	08	05/22/77	15	31.0	17.9	C		6.9	1450
34078	W	35	32.044	106.668	2	08	05/22/77	16	32.0	20.2	C		7.0	410
34080	W	35	32.119	106.684	2	08	05/22/77	17	31.0		C		6.6	700
34094	W	35	32.137	106.974	2	08	05/27/77	13	26.0	19.0	C			3500
34095	W	35	32.119	106.871	2	08	05/27/77	14	25.0		C		7.5	740
34099	W	35	32.211	106.934	2	08	05/27/77	16	29.0	18.8	C		7.1	1300
34141	W	35	32.024	106.642	2	08	05/22/77	15	33.0	19.7			6.9	2600
34154	W	35	32.042	107.027	2	08	05/26/77	11	31.0	27.0			7.6	700
34193	W	35	32.152	107.162	2	08	05/28/77	10	30.0		C		8.4	2700
34196	W	35	32.191	107.211	2	08	05/28/77	12	32.0		C		9.1	1230
34199	W	35	32.154	107.240	2	08	05/28/77	13	33.0	25.0			7.2	1490
34231	W	35	32.059	106.466	2	08	05/19/77	11	27.0	26.1			6.8	650
34233	W	35	32.076	106.454	2	08	05/19/77	12	30.0	28.1			7.3	374
34235	W	35	32.023	106.426	2	08	05/19/77	13	32.0	26.3			7.2	640
34237	W	35	32.038	106.392	2	08	05/19/77	14	32.0	24.5			7.0	900
34249	W	35	32.021	106.606	2	08	05/19/77	19	27.0	22.5			7.2	3900
34255	W	35	32.024	106.628	2	08	05/20/77	11	20.0	18.2			6.5	3500
34261	W	35	32.146	106.591	2	08	05/26/77	10	22.0	21.5	C		6.5	2200
34270	W	35	32.107	106.658	2	08	05/26/77	14	29.0	20.0			7.1	1420
34272	W	35	32.144	106.636	2	08	05/26/77	14	27.0	17.2	C		7.1	2300
34294	W	35	32.267	106.760	2	08	05/27/77	9	21.0	19.8			6.7	2450

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCEN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-DP (FEET)	WATD (FEET)
33843	1	10	3	7			2	1	3	1	3	6		
33846	1	13	3	8			3	1	1	1	3	6		
33847	1	9	3	8			4	1	1	1	6			
33849		7					4	1	1	1	6			
33850	1	11	3	7			3	1						
33851	1	10	1	1			3	1	3	2	6	12	100	12
33858	1	6	3	4			3	1	3	2	3	4	260	105
33874	1	12	4				2	2	1	1	1	6		
33890	1	9	4				4	1	1	2	1	6	230	
33895	1	12	4				2	1	1	2	1	6		
33899	1	7	4				4	1	1	1	6	12		
33902	1	8	4				3	1	1	1	3	6	230	85
33905	1	13	4				1	1	1	2	1	6		
33906	1	8	4				4	1	1	2	3	6	230	140
33907	1	16	4				5	1	1	2	6		999	300
33908	1	19	4				3	1	1	2	3	6	230	140
33909	1	8	4				4	1	1	2	3	8	230	140
33910	1	10	4				4	1	1	2	3	12	230	
33915	1	15	4				2	1	1	2	1	6	230	
33916	1	8	4				4	1	1	1	3		230	130
33917	1	13	4				3	1	1	1	3	8	230	127
33918	1	8	4				4	1	1	1	3	12	230	79
33919	1	15	4				1	1	1	1	1	6		
33921	1	14	4				2	1	1	1	1	6		
33922	1	12	4				1	1	1	1	1	6		
33926	9	14	4				3	1	1	1	3	6	200	140
33933		7	1	1			3	1	1	1	1	8		
33937		10	3	8			3	1	1	1	1	6		
33958	1	7	3	8			3	1	2	1	1	6	400	
33964	1	5	4				3	1	1	1	5	6	430	418
33969	1	4	4				4	1	2	1	1	6		
33992	1	4	2				3	1	2	2	1		500	394
34010	1	6						1	2	1	3	8	600	450
34071	1	8	1	1			4	1	1	1	4			
34076	3	10					4	1	1	1	4			
34078	1	7					3	1	1	1	5			
34080	3	7					3	1	1	1	4		178	20
34094	1	2					3	2	2	3	1	6	870	400
34095	1	10						1	2	3	3	4	361	19
34099	1	13					2	1	1	3	1	6	412	380
34141		6					3	1	1	1	2	4	100	20
34154		9	1	1			3	1	2	2	1	6		
34193		7	3	8			3	1	2	1	1	6		
34196		5	1	1			2	2	1	1	1			
34199		6	3	8			2	1	2	1	3	6		
34231		10	1	6			3	1	2	1	3	7	506	350
34273	1	11	1	6			3	1	1	1	3	5	500	300
34235	1	8	1	6					1	1				
34217		8	1	6				1	2	1	3			
34249		5	1				3	1	1	1	4			
34255		16	1	6			4	1	1	1	6		95	10
34261		10	1	6			3	1	2	2	3	6		
34270		12	1	6			3	1	1	3	4	3	72	12
34272		12	1	6			4	1	1	2	6			
34294		10	1	6			3	1	1	1	3			

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE															
SAMPLE	U	AG	AL	FI	BA	BE	CA	CE	CO	CR	CU	FE	K	LI	MG
33843	1.64	3	<10	76	19	<1	30.6	<30	<2	7	<2	33	4.2	16	14.8
33846	5.19	5	116	113	53	<1	24.2	<30	8	8	<2	60	3.8	21	9.4
33847	2.62	<2	<10	121	46	<1	20.8	<30	<2	<4	<2	24	7.3	19	6.8
33849	3.93	<2	<10	143	32	<1	18.5	<30	4	<4	<2	17	6.6	21	5.9
33850	9.04	<2	<10	452	43	<1	57.6	<30	3	9	<2	40	12.3	39	28.8
33851	3.49	3	<10	436	64	<1	94.2	<30	<2	<4	<2	<10	55.2	502	21.9
33858	3.04	5	<10	68	93	<1	151.5	<30	<2	8	<2	26	3.6	57	18.0
33874	6.52	<2	17	814	13	<1	26.6	<30	<2	<4	7	99	28.3	178	26.2
33890	5.55	5	<10	583	79	<1	14.5	<30	<2	16	7	118	2.4	62	6.5
33895	4.38	<2	<10	291	53	<1	8.1	<30	<2	14	<2	194	1.3	30	2.7
33899	9.82	<2	<10	943	23	<1	41.4	<30	<2	13	<2	55	21.0	140	14.3
33902	3.51	<2	<10	672	5	<1	1.0	<30	<2	8	<2	144	0.2	19	<0.1
33905	5.46	4	<10	217	53	<1	11.7	<30	<2	10	3	146	0.7	61	4.5
33906	6.29	<2	<10	204	67	<1	21.2	<30	<2	15	<2	23	0.3	85	9.4
33907	1.76	<2	<10	617	26	<1	6.3	<30	<2	42	8	78	7.4	189	<0.1
33908	8.01	<2	<10	299	71	<1	37.3	42	7	20	3	41	1.2	90	15.8
33909	2.06	<2	<10	692	15	<1	2.6	<30	2	<4	<2	29	2.6	85	0.7
33910	5.10	<2	<10	395	30	<1	18.8	<30	<2	9	<2	144	10.2	132	6.4
33915	7.73	8	24	245	30	<1	18.0	<30	<2	20	<2	26	0.7	61	6.7
33916	0.89	<2	20	168	4	<1	1.4	<30	<2	31	6	48	3.0	68	0.2
33917	7.67	<2	<10	272	61	<1	39.2	<30	11	8	<2	33	1.4	79	17.1
33918	1.96	<2	765	383	19	<1	3.4	<30	<2	54	30	580	1.4	77	0.6
33919	2.26	5	66	378	6	<1	1.6	<30	3	13	<2	108	1.6	48	0.1
33921	2.67	<2	<10	128	49	<1	13.6	<30	<2	19	<2	143	0.6	65	4.8
33922	1.20	4	60	207	7	<1	3.5	<30	14	33	3	130	2.9	109	0.3
33926	0.47	<2	59	179	17	<1	4.9	<30	<2	18	<2	192	2.9	96	1.0
33933	25.20	<2	47	2186	48	<1	14.0	<30	<2	4	4	179	7.8	172	6.0
33937	18.60	<2	185	2564	66	<1	41.7	<30	<2	<4	10	400	8.8	387	11.6
33958	1.53	<2	174	384	55	<1	94.1	<30	<2	<4	<2	119	8.0	120	18.3
33964	2.85	<2	89	568	116	<1	38.3	42	5	19	<2	78	6.5	181	8.0
33969	5.54	4	23	303	51	<1	116.7	51	<2	7	<2	102	9.1	140	25.0
33982	4.91	<2	229	2438	80	<1	90.1	<30	<2	90	6	868	31.2	298	19.2
34010	0.80	<2	70	246	72	<1	13.4	<30	<2	5	<2	60	10.7	131	10.2
34071	1.45	<2	<10	196	139	<1	200.2	<30	<2	<4	<2	565	7.0	171	31.9
34076	3.00	4	19	332	104	<1	297.0	<30	<2	<4	<2	634	9.3	224	41.3
34078	1.80	6	<10	82	66	<1	62.8	38	2	<4	<2	59	3.4	82	12.2
34080	1.15	4	<10	87	35	<1	67.0	<30	<2	6	<2	33	15.2	99	14.3
34094	2.85	7	516	7959	15	20	4.2	<30	2	65	23	64849	11.1	321	0.3
34095	5.85	<2	<10	283	40	<1	50.0	<30	<2	7	2	111	6.3	97	10.0
34099	3.75	<2	<10	496	37	<1	57.2	<30	<2	<4	<2	241	34.0	384	11.5
34141	4.50	6	<10	472	36	<1	170.2	<30	2	10	<2	25	12.8	309	51.0
34154	1.10	5	<10	253	62	<1	7.4	<30	<2	11	2	19	17.1	76	3.7
34193	25.50	<2	81	1208	15	<1	25.7	<30	6	<4	25	349	13.5	45	19.6
34196	5.25	<2	470	1039	22	<1	9.9	<30	3	<4	8	220	4.2	77	7.7
34199	6.20	<2	<10	645	29	<1	19.6	<30	<2	<4	<2	10	2.7	49	9.0
34231	2.05	2	<10	92	71	<1	34.4	<30	6	10	34	29	9.8	44	8.2
34233	0.10	2	<10	118	191	<1	45.3	<30	3	15	7	100	8.2	48	6.7
34235	3.00	<2	<10	108	125	<1	40.7	<30	5	4	6	27	8.0	46	7.9
34237	0.55	6	<10	103	357	<1	64.1	<30	<2	7	2	21	5.2	39	6.5
34249	19.40	<2	51	1040	136	<1	405.2	<30	5	<4	10	81	79.1	521	129.4
34255	9.75	3	<10	499	55	<1	127.3	30	<2	7	7	570	28.1	427	38.8
34261	9.85	<2	<10	274	64	<1	133.2	<30	10	8	27	24	30.6	301	23.3
34270	2.05	<2	13	188	45	<1	108.6	<30	<2	9	<2	900	13.2	136	20.3
34272	10.45	<2	10	393	67	<1	171.2	<30	7	651	<2	831	20.9	284	34.2
34294	3.75	<2	<10	404	82	1	377.0	<30	<2	<4	<2	2989	8.9	261	50.4

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MA	MC	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
33843	2	8	35.2	<4	<40	<1	31.8	532	<2	49	1	35	<2
33846	5	<4	44.7	<4	<40	<1	31.7	468	2	58	1	52	4
33847	<2	<4	67.7	<4	<40	<1	37.8	338	<2	63	<1	13	<2
33849	<2	12	59.4	<4	<40	<1	37.9	358	<2	71	1	22	<2
33850	3	<4	165.9	<4	<40	<1	35.3	1327	<2	50	1	71	<2
33851	5	10	621.7	4	<40	<1	21.2	1788	<2	7	<1	<4	2
33858	303	7	50.1	<4	59	<1	10.8	1725	<2	<4	1	450	19
33874	2	30	361.8	6	<40	<1	19.2	1033	<2	21	<1	67	<2
33890	5	27	281.5	<4	<40	<1	18.1	556	<2	143	<1	154	8
33895	2	<4	173.7	<4	<40	<1	18.7	266	<2	205	<1	109	4
33899	3	35	402.5	<4	<40	<1	35.9	899	<2	65	<1	79	12
33902	3	15	306.2	<4	122	<1	10.9	18	<2	54	<1	69	5
33905	9	<4	271.6	<4	<40	<1	36.7	361	<2	83	1	916	5
33906	<2	6	191.8	<4	64	<1	38.3	545	<2	55	2	33	11
33907	14	21	339.7	4	<40	<1	57.3	173	<2	309	<1	72	<2
33908	3	36	398.2	12	59	<1	38.5	1033	<2	55	2	764	<2
33909	3	34	256.5	<4	62	<1	14.1	102	<2	<4	1	24	14
33910	3	5	373.5	<4	<40	<1	37.0	748	<2	44	<1	68	<2
33915	<2	5	215.4	<4	<40	<1	35.5	378	<2	42	1	24	10
33916	<2	<4	141.4	<4	<40	<1	34.2	38	<2	131	<1	36	8
33917	88	34	317.7	12	84	<1	27.1	1021	<2	21	<1	32	7
33918	8	5	303.4	<4	207	<1	65.4	51	5	238	1	81	<2
33919	<2	5	215.3	14	58	<1	44.0	43	<2	138	<1	25	<2
33921	2	<4	114.6	15	<40	<1	29.8	300	<2	41	<1	85	<2
33922	2	5	199.0	7	78	<1	30.7	67	<2	136	1	645	10
33926	3	<4	173.6	<4	<40	<1	34.3	159	<2	78	<1	165	<2
33923	12	65	672.2	<4	67	<1	40.0	567	<2	280	1	103	<2
33937	33	142	1299.0	8	<40	<1	42.1	1618	4	247	<1	95	14
33958	80	21	286.3	<4	70	<1	24.9	1811	<2	<4	<1	417	<2
33964	4	10	329.2	13	172	<1	33.4	952	<2	36	<1	149	18
33969	7	15	240.0	<4	41	<1	27.0	2123	<2	30	1	518	20
33982	20	72	898.5	<4	<40	<1	111.4	1797	5	354	<1	286	<2
34010	13	4	168.6	<4	158	<1	19.8	597	<2	<4	<1	40	4
34071	1195	25	164.4	<4	82	<1	15.6	2102	<2	5	<1	5	14
34076	2410	8	276.3	<4	<40	<1	18.1	2591	3	<4	<1	23	<2
34078	22	<4	58.6	18	43	<1	15.9	932	<2	<4	2	55	4
34080	39	5	91.4	16	<40	<1	14.8	1126	<2	18	2	1385	9
34094	357	143	1445.0	6	<40	1	52.5	124	15	4	<1	76303	14
34095	2	<4	241.7	<4	41	<1	21.8	1183	<2	7	<1	153	3
34099	30	18	307.4	<4	<40	<1	16.2	1248	<2	<4	<1	1427	<2
34141	58	26	483.7	<4	<40	<1	22.4	3738	<2	5	4	22	12
34154	<2	4	127.9	25	<40	<1	18.8	295	<2	123	1	210	6
34193	12	11	687.9	14	<40	1	23.1	638	4	54	<1	182	<2
34196	5	100	420.7	7	<40	<1	23.8	397	2	474	<1	64	4
34199	3	<4	308.2	8	<40	<1	26.4	576	<2	79	<1	154	<2
34231	3	6	94.1	81	70	<1	16.6	1111	<2	8	<1	222	<2
34233	5	23	103.2	<4	<40	<1	25.7	1139	<2	24	1	90	<2
34235	3	<4	108.3	4	<40	<1	17.8	1142	<2	12	1	31	<2
34237	2	<4	99.1	38	47	<1	16.3	1366	<2	28	1	26	16
34249	63	<4	521.8	25	<40	1	34.4	14347	7	<4	1	182	<2
34255	255	35	567.7	<4	87	<1	17.3	3299	2	<4	1	153	<2
34261	54	<4	284.1	124	40	<1	17.8	3833	<2	13	2	490	20
34270	170	<4	155.9	64	<40	<1	15.2	1881	<2	6	2	46	<2
34272	982	<4	387.3	4	<40	<1	17.8	2945	4	<4	<1	1735	<2
34294	4704	<4	272.9	16	86	<1	21.7	3366	3	<4	1	48	<2

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE														
SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
34295	W	35	32.233	106.738	2	08	05/27/77	9	26.0	23.1			6.8	1480
34297	W	35	32.178	106.703	2	08	05/27/77	10	27.0	21.4	C		6.7	660
34299	W	35	32.283	106.746	2	08	05/27/77	11	34.0	21.9	C		6.7	600
34304	W	35	32.304	106.592	2	08	05/27/77	13	34.0	17.1			6.2	202
34307	W	35	32.269	106.622	2	08	05/27/77	15	34.0	20.0			6.6	280
34309	P	35	32.322	106.572	2	06	05/27/77	15	30.0	9.1			8.0	130
34310	W	35	32.326	106.585	2	08	05/27/77	16	34.0	21.5			6.5	175
34314	P	35	32.364	106.601	2	06	05/27/77	17	31.0	17.1	C		6.3	780
34328	W	35	32.424	106.600	2	08	05/29/77	11	31.0	23.9	C		6.6	180
34334	W	35	32.382	106.516	2	08	05/29/77	14	36.0	24.9			6.1	600
34338	W	35	32.409	106.610	2	08	05/29/77	15	36.0	21.8			6.7	810
34341	W	35	32.381	106.608	2	08	05/29/77	15	30.0	23.2			6.3	182
34355	W	35	32.447	106.691	2	08	05/29/77	21	27.0	23.4			6.8	590
34366	W	35	32.393	106.819	2	08	05/30/77	14	35.0	24.7	C		7.2	128
34373	W	35	32.469	106.892	2	08	05/30/77	17	39.0	29.1			7.1	150
34374	W	35	32.450	106.881	2	08	05/30/77	17	39.0	29.1	C		6.8	80
34375	W	35	32.492	106.911	2	08	05/30/77	17	32.0	23.1	C		6.8	160
34376	W	35	32.427	106.851	2	08	05/30/77	17	32.0	23.5	C		6.7	115
34377	W	35	32.273	106.796	2	08	05/30/77	18	30.0	19.5			6.8	45
34378	W	35	32.533	106.746	2	08	06/06/77	17	35.0	24.9			6.7	140
34390	W	35	32.616	106.741	2	08	06/06/77	18	33.0	23.9			6.5	85
34382	W	35	32.574	106.672	2	08	05/06/77	9	28.0	22.3			6.9	170
34395	W	35	32.651	106.787	2	08	06/06/77	13	34.0	32.6	C		7.0	192
34404	W	35	32.678	106.839	2	08	06/06/77	16	35.0	27.6			6.4	185
34418	W	35	32.577	106.868	2	08	06/06/77	19	29.0	25.2			6.6	150
34419	W	35	32.579	106.922	2	08	06/06/77	20	27.0	23.9			6.3	120
34422	W	35	32.545	106.913	2	08	06/06/77	20	25.0	25.0			7.0	75
34424	P	35	32.501	106.927	2	06	06/07/77	8	26.0	43.5	C		6.5	29000
34441	W	35	32.531	106.803	2	08	06/07/77	15	29.0	26.1			7.3	700
34449	W	35	32.570	106.811	2	08	06/07/77	17	34.0	24.3			6.9	1400
34472	W	35	32.647	106.931	2	08	06/07/77	19	27.0	24.3			7.0	2700
34476	W	35	32.663	107.077	2	08	06/08/77	13	33.0	28.4			7.0	790
34502	W	35	32.695	107.010	2	08	06/08/77	18	30.0	30.0			6.9	2170
34503	W	35	32.706	107.021	2	08	06/08/77	18	30.0	22.1			6.8	405
34508	W	35	32.752	107.011	2	08	06/08/77	20	28.0	24.2	C		7.7	2590
34526	W	35	32.762	106.873	2	08	06/09/77	11	33.0	22.6			6.8	1800
34531	W	35	32.793	106.784	2	08	06/09/77	11	32.0	24.3			7.2	2110
34555	W	35	32.925	106.886	2	08	06/09/77	15	38.0	23.4	C		7.6	2190
34575	W	35	32.994	106.998	2	08	06/09/77	19	35.0	23.6			7.2	1150
34577	W	35	32.924	106.929	2	08	06/09/77	19	35.0	34.2	C		7.4	4050
34598	W	35	32.889	106.998	2	08	07/08/77	18	25.0	21.0			7.3	1000
34615	W	35	32.997	107.178	2	08	06/17/77	11	37.0	21.7			6.9	550
34624	W	35	32.965	107.189	2	08	06/17/77	13	36.0	23.5			7.0	625
34628	W	35	32.907	107.189	2	08	06/17/77	14	40.0	24.7			6.7	950
34632	W	35	32.906	107.137	2	08	06/17/77	15	40.0	37.5			7.6	895
34676	W	35	32.779	107.273	2	08	06/18/77	16	78.0	21.1			7.0	2100
35168	S	35	32.671	106.459	2	07	07/26/77	17	37.0	35.3			7.8	150
35281	L	35	32.711	106.441	2	09	06/02/77	19	35.0	34.6	C		8.7	10000
35283	L	35	32.705	106.446	2	09	06/02/77	19	36.0	27.5	C		8.7	
35311	L	35	32.695	106.445	2	10	07/26/77	20	35.0	34.3	C		7.8	10000
35312	L	35	32.693	106.438	2	10	07/26/77	20	35.0	26.8	C		8.0	10000
35565	W	35	32.780	106.170	2	08	05/25/77	4	28.0	21.0			6.8	9500
35574	P	35	32.747	106.142	2	06	05/26/77	10	27.0	26.9			6.6	10000
35595	P	35	32.591	106.442	2	06	05/27/77	11	30.0	18.9	C		6.7	1100
35662	L	35	32.879	106.271	2	09	06/04/77	11	29.0	24.2	C		7.9	4500

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SEIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	TWEL	DIAM (INCHES)	W-OP (FEET)	WATO (FEET)
34295		28	1	6			3	1	1	1	3	3	233	121
34297		15	1	6			3	1	1	1	3	3		
34299		25	1	6			3	1	2	1	8			
34304	1	33	3	4			3	1	4	1	1	3		
34307	1	25	1	6			2	1	2	1	1	8		
34309	1	20	1	7	2	7	2	1	4	1				
34310	1	35	3	4			3	1	4	1	3			
34314	1	25	3	4			3	1	3	1				10
34328	1	25	3	4			3	1	3	1	8			
34334	1	23	3	4			3	1	3	1	1	3		20
34338	1	30	3	4			4	1	3	1	3	8	225	110
34341	1	17	3	4			3	1	3	1	2	6	150	10
34355	1	18	1	4			3	1	2	1	3	6		
34366	1	5	1	6			3	1	2	1	3		360	
34373	1	14	1	6			3	3	2	1	3		65	
34374	1	15	1	6			3	1	2	1	3			
34375	1	11	1	6			3	1	2	2	3			
34376	1	15	1	6			3	1	2	2	3			
34377	1	16	1	6			3	1	2	1	4	3		
34378	1	11	1	6			3	1	2	1	1	3		
34380	1	7	1	6			3	1	2	1	3	6	300	220
34382	1	15	1	6			3	1	2	1	1	3		
34395	1	11	1	1			2	1	2	1	1	3		
34404	1	8	1	6			3	1	2	1	1	3		
34418	1	5	1	6			3	1	1	1	1	3		
34419	1	16	1	6			3	1	1	1	1	3		
34422	1	17	1	6			3	1	1	1	1	3		
34424	1		1	6			3	1	2	1				
34441	1	22	1	6			3	1	2	2	4		400	
34449	1	12	1	6					1	1	1	3		
34462	1	15	1	6			3	1	2	2	1	3		
34476	1	6	1	6			3	1	2	1	8			
34502	1	6	1	6			3	1	2	2	4	3		
34503	1	14	1	6	4	6	3	1	3	2	1	8		
34508	1	8	1	6			2	1	2	2	1	3		
34526	1	15	1	4			3	1	1	1	4	4		
34531	1	5	1	6			3	2	1	1	1	3		
34555	1	5	1	6			3	1	1	2	3	3		
34575	1	13	1	6			3	1	1	2	3	6		
34577	1	10	1	6			3	1	3	2	3	3		
34598	1	13	1	6			4	1	1	1	1	6		
34615	1	5	1	6					3	1	3	2	175	
34624	1	8	1	6			3	1	3	1	4	6		
34628	1	5	1	6			2	3	3	1	2			
34632	1	6	1	6			3	1	2	1	2	3	150	20
34676	1	14	1	6			3	1	1	2	3	3	80	10
35169	1	41	1	6	4	6	1	4	2	1				
35281	1	11	1	1	7	1			1	2				
35283	1	11	1	7	5	6		3	1	2				
35311	1	19	1	7	5	6		3	1	2				
35312	1	19	1	7	5	6		3	1	2				
35565		7	1	7			4	1	1	3				
35574		7	1	7			3	1	1	3				
35595		13	3	7			3	1	3	2				
35662		3						1	1	2				

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	U	AG	AL	R	EA	BF	CA	CE	CO	CR	CU	FE	K	LI	MG
34295	0.60	2	<10	94	196	<1	191.6	<30	<2	15	10	156	13.9	90	56.9
34297	0.70	<2	<10	108	49	<1	59.9	<7	<2	6	11	94	29.5	101	11.6
34299	4.10	<2	<10	72	72	<1	62.1	<30	<2	<4	26	33	5.6	62	11.1
34304	1.00	<2	<10	14	22	<1	19.8	<30	<2	<4	15	88	1.3	3	3.1
34307	0.25	<2	<10	36	6	<1	47.9	<30	<2	77	16	201	2.3	5	6.2
34309	0.20	<2	<10	<4	6	<1	21.9	<30	<2	<4	26	31	1.1	2	3.9
34310	1.25	<2	34	39	11	<1	50.3	<30	8	4	16	86	1.3	16	5.9
34314	3.40	<2	<10	64	44	<1	137.4	<30	<2	<4	3	52	6.6	19	33.1
34328	4.70	<2	<10	103	22	<1	348.6	<30	<2	<4	36	28	3.5	44	43.6
34334	0.25	<2	<10	30	168	<1	150.7	<30	<2	<4	34	66	5.1	15	39.2
34338	1.80	<2	26	72	68	<1	161.3	37	2	4	7	78	2.8	24	34.7
34341	1.65	<2	<10	81	140	<1	319.9	<30	<2	<4	9	200	4.4	25	83.8
34355	4.65	<2	14	264	67	<1	47.0	<30	<2	<4	11	33	5.7	36	42.1
34366	7.30	<2	<10	236	40	<1	87.6	<30	<2	<4	<2	14	19.2	244	18.2
34373	1.80	<2	47	588	205	<1	237.7	<30	16	8	86	477	41.2	429	48.0
34374	0.80	<2	<10	140	182	<1	180.4	32	<2	16	122	197	44.0	142	17.9
34375	1.50	7	<10	253	182	<1	144.6	58	13	9	3	41	22.4	281	20.8
34376	1.50	27	35	422	57	1	199.9	<30	<2	<4	26	1747	35.3	416	40.7
34377	1.35	<2	22	189	151	<1	129.5	<30	8	<4	12	131	8.0	124	19.0
34378	26.50	2	151	507	18	<1	108.9	45	2	7	3	194	8.9	99	55.6
34380	2.40	<2	343	190	47	<1	153.8	<30	<2	7	12	196	12.1	71	84.1
34382	4.80	3	55	613	27	<1	245.2	<30	9	<4	15	245	6.9	111	137.5
34395	3.10	6	<10	209	17	1	480.8	<30	5	8	3	1466	11.0	56	118.0
34404	6.15	3	29	413	40	<1	880.9	79	<2	6	25	262	17.6	125	132.2
34418	18.70	2	88	726	48	<1	566.4	<30	11	<4	35	292	15.0	118	44.8
34419	19.90	<2	23	1153	34	<1	195.3	<30	<2	<4	16	88	14.8	145	61.5
34422	15.00	<2	17	426	42	<1	52.2	<30	<2	4	10	107	8.7	65	23.4
34424	0.25	<2	41	1003	65	2	185.9	<30	<2	<4	30	702	101.0	995	16.4
34441	7.70	<2	<10	171	30	<1	35.7	<30	<2	<4	9	249	3.9	33	19.8
34449	26.20	5	<10	456	18	<1	97.9	<30	6	12	16	176	6.0	63	43.2
34462	8.25	17	25	311	22	<1	839.2	36	2	<4	22	54	12.7	80	41.9
34476	0.55	<2	<10	268	234	<1	102.8	<30	12	5	24	108	20.5	177	22.1
34502	2.46	<2	<10	811	13	<1	155.8	<30	7	<4	7	37	20.7	126	34.0
34503	1.71	<2	<10	58	140	<1	69.1	<30	6	<4	10	55	8.8	87	10.9
34508	6.29	<2	20	988	19	<1	195.3	<30	<2	<4	22	151	19.9	143	60.3
34526	8.89	<2	<10	198	19	<1	384.0	<30	<2	5	25	85	6.7	37	73.6
34531	3.40	5	<10	210	26	<1	672.8	<30	<2	<4	10	304	4.9	36	126.0
34555	29.50	11	<10	926	10	<1	90.7	46	2	12	6	27	2.9	79	31.5
34575	7.50	<2	83	711	126	<1	253.2	<30	<2	<4	98	133	3.5	166	101.3
34577	35.40	<2	15	2009	15	<1	125.4	<30	12	<4	27	32	6.2	206	62.9
34588	15.00	2	<10	1012	19	<1	40.3	<30	7	<4	10	86	1.5	125	16.7
34615	0.60	<2	<10	105	223	<1	57.0	<30	<2	<4	18	17	2.8	21	39.5
34624	3.06	<2	<10	273	118	<1	49.4	<30	5	<4	7	32	3.3	46	48.8
34628	2.53	<2	36	184	52	<1	109.8	<30	3	11	5	24	2.9	39	55.5
34632	9.45	<2	15	547	27	<1	30.0	<30	<2	<4	13	11	1.8	123	19.4
34676	12.50	5	96	372	28	1	90.2	53	<2	12	5	238	8.6	455	12.3
35168	0.42	<2	2526	32	95	1	33.7	<30	<2	<4	32	2303	3.0	3	3.4
35281	70.10	<2	162	933	11	<1	452.9	<30	<2	<4	83	196	90.2	141	1282.0
35293	1.00	<2	494	789	88	<1	819.2	<30	4	8	66	615	67.3	151	779.1
35311	0.60	<2	138	346	203	<1	750.5	<30	<2	<4	38	339	57.3	94	249.6
35312	3.55	<2	150	194	145	<1	676.2	<30	4	<4	37	167	32.3	57	94.1
35565	3.13	3	<10	55	20	<1	98.3	36	4	<4	13	24	1.5	15	40.7
35574	8.35	<2	104	640	16	<1	694.5	<30	2	<4	28	130	19.2	242	163.6
35595	3.58	6	10	45	36	<1	83.6	37	<2	13	7	32	0.7	6	38.3
35662	43.60	<2	191	703	8	<1	741.7	<30	<2	<4	31	117	29.1	347	725.9

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MM	MG	NA	NI	P	SC	SI	SR	TI	V	Y	ZN	ZR
34295	860	<4	75.4	142	<40	<1	14.0	2536	<2	<4	2	597	23
34297	60	9	63.2	404	<40	<1	25.7	938	<2	8	1	336	5
34299	16	<4	45.7	110	<40	<1	13.9	785	<2	7	<1	103	19
34304	7	<4	15.7	32	<40	<1	17.5	123	<2	<4	<1	364	<2
34307	5	27	23.5	11	59	<1	22.1	217	<2	<4	<1	345	<2
34309	7	14	12.4	24	53	<1	7.7	104	<2	<4	<1	87	<2
34310	7	<4	40.3	78	66	<1	46.1	267	<2	<4	<1	377	<2
34314	56	25	19.5	21	<40	<1	17.1	3459	<2	<4	<1	83	<2
34328	11	42	70.6	47	41	<1	19.5	3373	<2	<4	<1	230	<2
34334	35	4	47.7	77	69	<1	42.6	1060	<2	<4	<1	3078	<2
34338	4	14	52.5	8	<40	<1	17.9	1506	<2	<4	1	254	<2
34341	16	14	47.1	<4	<40	<1	15.5	5718	<2	<4	<1	414	<2
34355	4	27	104.2	<4	<40	<1	21.2	2433	<2	8	<1	168	<2
34366	2	<4	201.6	36	<40	<1	15.9	1363	<2	<4	<1	54	<2
34373	1374	48	534.9	31	119	<1	37.7	3725	2	<4	1	956	<2
34374	484	19	100.1	27	<40	<1	23.8	2456	<2	9	1	167	19
34375	562	23	252.6	33	<40	<1	19.2	1583	<2	4	2	57	14
34376	1716	5	387.7	31	98	<1	33.2	2453	<2	9	1	201	2
34377	170	15	131.8	33	97	<1	29.8	1425	3	<4	1	653	9
34378	11	49	176.8	73	<40	<1	23.5	6396	3	21	2	411	7
34380	5	17	144.8	15	93	<1	20.2	7663	17	22	<1	792	<2
34382	63	28	315.2	<4	<40	<1	17.9	10000	<2	<4	<1	1381	<2
34395	95	<4	117.1	19	<40	<1	12.8	9702	7	21	3	412	12
34404	28	23	341.2	31	<40	1	15.7	14873	11	15	1	1112	<2
34418	40	36	295.9	5	<40	2	79.2	10613	10	58	1	2467	<2
34419	22	105	250.7	17	<40	<1	68.2	6500	2	23	<1	2623	<2
34422	8	33	134.9	19	44	<1	44.4	2020	2	38	<1	630	<2
34424	30	<4	597.9	12	<40	2	40.2	3264	9	<4	<1	1114	<2
34441	5	12	80.3	39	<40	<1	25.4	1562	2	<4	<1	657	<2
34449	14	44	119.7	11	<40	1	18.9	6023	3	17	2	979	5
34462	19	12	191.4	14	<40	1	34.4	11081	11	21	2	435	27
34476	7	10	108.8	5	62	<1	49.1	2254	<2	40	3	473	15
34502	8	8	240.8	26	<40	<1	30.3	3519	<2	22	<1	655	<2
34503	7	<4	8.1	9	41	<1	33.8	1500	<2	23	<1	352	<2
34508	19	48	353.2	<4	<40	1	34.3	4371	3	13	<1	1241	<2
34526	16	9	67.6	4	<40	<1	12.8	7289	4	<4	1	3347	4
34531	110	8	67.1	28	<40	<1	17.6	11311	6	<4	2	2071	10
34555	11	21	166.7	14	<40	<1	6.8	2571	<2	13	3	303	41
34575	14	24	217.7	27	<40	<1	27.4	9930	4	<4	<1	2467	<2
34577	8	55	470.5	15	<40	<1	32.2	17010	2	29	<1	164	<2
34588	4	17	126.6	67	<40	<1	10.5	1574	<2	21	<1	91	<2
34615	4	<4	24.9	5	<40	<1	14.4	585	<2	13	<1	985	<2
34624	16	<4	92.9	23	<40	<1	19.6	1642	<2	15	<1	693	<2
34628	33	5	41.6	4	<40	<1	8.9	2381	<2	<4	1	10606	8
34632	7	14	143.8	1102	<40	<1	7.9	1506	<2	<4	1	1394	<2
34676	32	39	206.0	<4	<40	<1	12.7	3931	2	16	2	270	5
35168	122	<4	2.1	<4	176	<1	7.0	164	32	<4	3	138	13
35281	1416	2164	95599.0	<4	<40	8	3.6	11424	29	<4	<1	96	9
35283	36	701	5983.0	4	<40	6	2.1	15690	36	<4	2	110	<2
35311	19	104	2393.0	<4	<40	3	2.4	9180	18	<4	2	62	3
35312	16	49	1138.0	14	<40	3	1.6	7335	17	7	2	52	15
35565	5	22	43.4	<4	<40	<1	3.2	1274	<2	<4	<1	274	9
35574	178	7	1535.0	<4	<40	3	7.0	13071	14	4	1	216	<2
35595	2	<4	30.9	14	47	<1	9.9	291	<2	9	2	1103	12
35662	68	90	1487.0	9	<40	3	16.8	25680	19	5	1	1371	4

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
36018	W	35	32.942	106.006	2	08	06/21/77	9	27.0	21.0			6.8	2300
36021	W	35	32.919	106.037	2	08	06/21/77	10	30.0	21.5			6.9	2400
36022	W	35	32.867	106.015	2	08	06/20/77	11	27.0	21.5			7.3	4150
36023	W	35	32.956	106.039	2	08	06/20/77	11	30.0	23.5			6.8	2825
36024	W	35	32.972	106.014	2	08	06/21/77	13	31.0	21.0			6.9	2350
36028	L	35	32.817	106.102	2	10	06/21/77	16	36.0				8.9	48000

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE														
SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	IRELF	SKY	TWEL	DIAM (INCHES)	W-DP (FEET)	WATO (FEET)
36018		18	1	7					1	3				
36021		7	1	7					1	2				
36022		11	1	7				1	1	2				
36023		5	1	6				1	1	1				
36024		18	1	6				1	1	1				
36038			1	6				3	1	1				

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	U	AG	AL	R	BA	BF	CA	CE	CD	CR	CU	FE	K	LI	MG
36018	1.39	2	<10	57	13	<1	156.6	<30	<2	12	10	28	1.0	12	50.4
36021	1.31	7	<10	58	10	<1	150.8	<30	<2	8	10	39	0.8	13	45.5
36022	2.78	<2	51	103	35	<1	210.4	<30	<2	21	9	273	3.1	31	96.7
36023	1.64	<2	21	99	40	<1	215.4	<30	11	<4	4	82	3.7	25	80.1
36024	2.20	<2	34	78	17	<1	216.9	<30	<2	4	5	34	3.9	19	73.4
36038	1.61	<2	264	693	51	<1	593.9	<30	<2	<4	36	312	11.9	102	259.6

Table 5, Continued

DATA LISTING FOR WATERS OF THE LAS CRUCES QUADRANGLE

SAMPLE	MA	MC	NA	NI	P	SC	SI	SP	TI	V	Y	ZN	ZR
36018	6	8	115.7	12	<40	<1	5.6	2059	<2	7	1	1040	<2
36021	4	5	136.9	15	<40	<1	6.9	1894	<2	9	2	106	9
36022	15	4	352.1	19	<40	<1	16.9	3404	4	7	1	102	<2
36023	25	<4	240.4	7	75	<1	19.0	3226	2	11	1	134	3
36024	15	<4	166.1	4	55	<1	9.3	2926	2	6	<1	75	6
36038	70	<4	711.4	15	559	1	6.0	8680	14	<4	<1	155	<2

Table 6

STATISTICAL SUMMARY FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

NO. SAMPLES ANALYZED		BELOW		MEASURABLE DETECTION		DETECTION		MINIMUM		MAXIMUM		MEAN		MEDIAN		MODE		STANDARD		COEFFICIENT		LN TRANSFORMATION						
ELEMENT VALUES		LIMIT		LIMIT		VALUE		VALUE		VALUE		VALUE		VALUE		VALUE		DEVIATION		OF		MEAN		S. D.		ROBUST		
																		VARIATION						MEAN		S. D.		
U	1817					0.10	49.60	3.09	2.60	2.53	1.993	0.646	1.04	0.39	1.01	0.35												
AG	26	1791	<2	<2	<2	17	3	<2	<2	3.1	1.0	0.92	0.53															
AL	1817					0.05	9.98	5.38	5.17	4.87	1.442	0.268	1.63	0.41	1.66	0.24												
B	1119	698	<10	<10	<10	178	16	11	<10	8.0	0.5	2.72	0.34															
BA	1817					6	14427	582	564	588	374.2	0.6	6.30	0.42	6.32	0.26												
BE	1778	36	<1	<1	<1	9	1	<1	<1	0.7	0.5	0.26	0.38															
CA	1817					0.18	21.04	3.28	2.24	0.89	3.011	0.919	0.86	0.80	0.85	0.77												
CE	1795	22	<10	<10	<10	382	57	50	45	31.3	0.5	3.95	0.41	3.93	0.39													
CO	1664	153	<4	<4	<4	37	8	7	6	4.2	0.5	2.00	0.43	1.90	0.52													
CR	1817					1	271	35	29	33	23.5	0.7	3.41	0.54	3.41	0.49												
CU	1817					3	973	22	18	12	30.2	1.3	2.93	0.54	2.92	0.50												
FE	1814	3	<0.05	<0.05	<0.05	49.82	3.01	2.46	1.92	2.461	0.816	0.95	0.54	0.94	0.47													
K	1817					0.02	3.19	1.51	1.52	1.42	0.376	0.249	0.36	0.41	0.40	0.24												
LA	1797	20	<2	<2	<2	175	26	23	19	14.4	0.5	3.17	0.42	3.15	0.41													
LI	1817					2	120	24	22	22	9.6	0.4	3.12	0.36	3.12	0.33												
MG	1817					0.05	5.48	0.69	0.61	0.42	0.406	0.588	-0.50	0.50	-0.50	0.47												
MN	1817					14	29830	500	393	334	787.7	1.6	6.02	0.58	6.02	0.48												
MO	34	1783	<4	<4	<4	55	7	<4	<4	11.2	1.5	1.68	0.63															
NA	1813	4	<0.05	<0.05	<0.05	4.34	1.09	1.02	0.92	0.387	0.354	0.03	0.37	0.03	0.34													
NB	1809	3	<4	<4	<4	262	14	12	10	12.8	0.9	2.51	0.45	2.48	0.41													
NI	1805	12	<2	<2	<2	201	16	14	11	10.8	0.7	2.63	0.52	2.63	0.51													
P	1817					12	10140	482	415	189	418.3	0.9	5.97	0.65	5.97	0.60												
PR	1636	181	<10	<10	<10	9691	31	19	15	241.9	7.7	3.07	0.50	2.95	0.48													
SC	1805	12	<1	<1	<1	28	4	5	3	2.1	0.4	1.53	0.38	1.53	0.36													
SR	1817					57	6067	306	240	164	290.2	0.9	5.56	0.50	5.53	0.45												
TH	1582	235	<2	<2	<2	109	7	6	5	7.3	0.9	1.84	0.61	1.72	0.63													
TI	1817					25	35659	3740	3131	2310	2489.6	0.7	8.08	0.58	8.08	0.45												
V	1817					2	900	78	61	56	60.6	0.8	4.20	0.58	4.19	0.51												
Y	1812	5	<1	<1	<1	114	13	12	10	7.4	0.5	2.54	0.44	2.54	0.38													
ZN	1817					3	12668	78	58	54	366.1	4.7	4.10	0.49	4.08	0.41												
ZR	1814	3	<2	<2	<2	194	63	61	47	22.2	0.3	4.08	0.43	4.11	0.34													

Table 7

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
6001	H	35	32.239	107.647	2	14	01/02/76	10	2.0		C			
6002	M	35	32.210	107.646	2	15	01/02/76	12	2.0		C			
6024	H	35	32.267	107.536	2	96	01/04/76	10	4.0		C			
6029	H	35	32.292	107.404	2	96	01/04/76	13	5.0		C			
6031	M	35	32.308	107.420	2	15	01/04/76	15	9.0		C			
6032	H	35	32.332	107.393	2	97	01/04/76	15	8.0		C			
6034	M	35	32.337	107.406	2	15	01/04/76	16	4.0					
6039	H	35	32.410	107.526	2	14	01/05/76	11	10.0		C			
6043	M	35	32.486	107.529	2	15	01/05/76	13	9.0					
6044	M	35	32.444	107.556	2	15	01/05/76	14	10.0					
6056	M	35	32.242	107.609	2	15	03/20/76	10	19.0					
6094	M	35	32.205	107.587	2	15	01/13/76	11	13.0		C			
6097	M	35	32.160	107.578	2	15	01/13/76	13	20.0					
6098	H	35	32.139	107.558	2	14	01/13/76	14	19.0		C			
6125	M	35	32.463	107.647	2	11	01/06/76	10	10.0		C			
6126	M	35	32.444	107.688	2	11	01/06/76	12	12.0		C			
6129	M	35	32.419	107.675	2	12	01/06/76	18	4.0	8.8	C		7.9	265
6130	M	35	32.381	107.735	2	15	01/07/76	11	9.0		C			
6133	H	35	32.446	107.726	2	14	01/08/76	10	7.0		C			
6134	M	35	32.450	107.688	2	11	01/08/76	15	10.0	6.5	C		6.7	590
6138	H	35	32.405	107.760	2	13	01/10/76	11	16.0		C			
6139	M	35	32.429	107.759	2	15	01/10/76	12	15.0		C			
6143	H	35	32.455	107.797	2	14	01/10/76	14	14.0		C			
6158	M	35	32.155	107.595	2	15	01/03/76	11	<1.0					
6159	M	35	32.737	107.867	2	15	01/21/76	9	1.0		C			
6160	M	35	32.743	107.843	2	11	01/21/76	9	3.0	6.0			6.3	45
6161	M	35	32.647	107.824	2	11	01/21/76	10	10.0	7.0			6.3	42
6162	M	35	32.674	107.776	2	15	01/21/76	12	10.0					
6163	M	35	32.671	107.783	2	15	01/21/76	12	30.0					
6165	M	35	32.631	107.774	2	15	01/21/76	13	12.0					
6166	M	35	32.634	107.754	2	15	01/21/76	13	12.0					
6167	H	35	32.623	107.736	2	14	01/21/76	13	12.0		C			
6170	M	35	32.563	107.809	2	15	01/21/76	13	9.0					
6172	H	35	32.605	107.817	2	96	01/21/76	16	9.0					
6195	M	35	32.668	107.846	2	15	01/21/76	12	12.0					
6243	M	35	32.554	107.994	2	11	01/20/76	9	9.0	43.0	C		7.0	550
6244	M	35	32.564	107.983	2	12	01/20/76	9	9.0	5.0			7.2	1650
6247	M	35	32.596	107.919	2	15	01/20/76	10	5.0		C			
6248	M	35	32.592	107.893	2	15	01/20/76	12	6.0					
6249	M	35	32.595	107.880	2	15	01/20/76	12	6.0					
6253	M	35	32.537	107.834	2	15	01/20/76	15	7.0					
6255	M	35	32.520	107.779	2	11	01/20/76	15	5.0					
6894	H	35	32.004	107.692	2	97	02/23/76	8	5.0		C			
6896	H	35	32.026	107.665	2	97	02/23/76	8	5.0		C			
6898	M	35	32.027	107.695	2	15	02/23/76	9	6.0					
6900	M	35	32.047	107.688	2	15	02/22/76	9	10.0					
6973	M	35	32.015	107.610	2	15	02/28/76	10	21.0					
6975	M	35	32.027	107.603	2	15	02/28/76	11	21.0					
6977	M	35	32.048	107.604	2	15	02/28/76	11	22.0					
6978	M	35	32.031	107.595	2	15	02/28/76	12	22.0					
6980	M	35	32.036	107.579	2	15	02/28/76	12	22.0					
6981	M	35	32.059	107.574	2	15	02/28/76	13	23.0					
6992	M	35	32.066	107.576	2	15	02/28/76	13	23.0					
6983	M	35	32.085	107.574	2	15	02/28/76	14	22.0					
6984	M	35	32.089	107.575	2	15	02/28/76	14	22.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
6001	3		1	1	4	1			1	1	2.60	<2	5.48	<10
6002	1	7	1	6	4	6			1	1	2.30	<2	8.07	10
6024		12	1	5	7	6			1	2	3.00	<2	6.61	12
6029	3		1	6	5	6			1	3	2.00	<2	6.05	<10
6031	9	5	1	6	4	6			3	3	2.70	<2	6.90	<10
6032	8	12	1	6					3	3	2.40	<2	4.70	15
6034	1	10	3	6	4	6			3	2	1.80	<2	7.79	<10
6039	3	6	1	6	6	6			1	1	2.60	<2	8.71	10
6043	3	13	1	6	1	6			1	1	2.50	<2	7.87	14
6044	3	15	1	7	4	7			1	1	3.80	<2	6.40	<10
6056	1	10	1	6	4	4			2	1	8.80	<2	3.99	<10
6094	3	19			1	8			4	1	6.10	<2	6.10	10
6097	3	15	1	6	4	6			2	1	1.50	<2	8.90	<10
6098	3	7	1	6	5	8			2	1	1.80	2	9.98	12
6125	3	9	3	4	4	6			3	1	2.90	<2	7.29	<10
6126	3	7	3	4	4	4			4	1	2.40	<2	7.78	11
6129	1	12	3	4	4	4	1	1	5	1	1.90	<2	8.47	<10
6130	3	6	3	4	4	4			1	1	2.00	<2	7.56	11
6133	3	7	3	7	5	6			3	1	2.60	<2	8.09	20
6134	3	3	3	4	4	6	1	3	5	1	2.00	<2	6.64	<10
6138	3	6	3	4	5	4			1	1	2.90	<2	8.06	23
6139	3	6	3	4	4	5			3	1	5.10	<2	5.64	11
6143	3	6	3	4	6	6			3	1	2.00	<2	8.48	17
6158	3	3	3	6	4	6			4	1	1.10	<2	8.29	<10
6159	9	15	1	6	2	6			4	1	4.10	<2	7.96	<10
6160	1	12	1	6	3	6	3	1	5	1	7.40	<2	7.34	<10
6161	1	18	1	6	2	6	2	1	4	1	9.10	<2	5.96	<10
6162	3	9	1	6	3	6			4	1	4.10	<2	6.99	<10
6163		9	1	6	3	6					3.40	<2	7.01	<10
6165		15	1	6	4	6			2	1	3.10	<2	6.90	12
6156		9	1	6	4	6			2	1	1.90	<2	7.89	<10
6167		9	1	6	4	6			5	1	1.90	<2	8.81	10
6170		12	1	6	4	6			3	1	3.20	<2	7.65	<10
6172		15	1	6	4	6			1	1	2.80	<2	8.34	21
6195	3	6	3	6	4	7			3	2	1.80	<2	7.51	<10
6243	8		3	6	6	6	3	1	3	2	1.80	<2	3.32	<10
6244	3	6	3	6	4	6	2	1	3	2	3.00	<2	5.59	19
6247	3	18	3	6	4	6			4	3	2.70	<2	8.26	<10
6248	3	12	1	6	4	6			3	3	3.10	<2	6.91	<10
6249	3	9	1	6	4	6			3	3	3.40	<2	6.91	<10
6253	3	12	1	6	4	6			2	3	3.90	<2	7.26	16
6255	3	3	3	6	4	6			3	3	2.30	<2	6.84	<10
6894	1	12	1	6	4	6			2	1	3.70	<2	7.83	12
6896	9	9	1	6	4	6			2	1	3.90	<2	7.52	<10
6898	1	9	1	6	4	6			2	1	4.00	<2	6.85	<10
6900	1	6	1	6	4	6			2	1	6.20	<2	6.10	<10
6973	1	9	1	6	4	6			2	2	5.60	<2	5.75	<10
6975		9	1	6	4	6					7.50	<2	5.05	<10
6977	1	9	3	6	4	6			4	2	3.20	<2	6.85	<10
6978	1	12	1	6	4	6			2	2	4.10	<2	6.52	<10
6980	1	10	3	6	4	6			3	2	3.90	<2	6.30	<10
6981	1	7	1	6	4	6			2	2	2.80	<2	4.26	<10
6982	1	6	1	6	4	6			2	2	2.90	<2	5.67	<10
6983	1	6	1	6	4	6			2	2	2.90	<2	6.45	11
6984	1	4	1	6	4	6			2	2	3.20	<2	6.95	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	EE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
6001	622	1	7.06	41	6	33	35	1.62	<15	1.72	18	48	2.09	360	<4
6002	812	2	1.52	78	9	45	22	3.45	<15	1.66	36	24	0.60	591	<4
6024	794	1	3.43	47	7	42	19	1.99	<15	1.64	22	47	1.36	346	<4
6029	619	1	4.65	40	6	27	17	2.18	<15	1.64	20	50	2.11	407	<4
6031	777	2	1.44	55	8	41	18	3.31	<15	1.77	29	23	0.68	494	<4
6032	648	1	6.58	31	7	41	973	5.34	<15	1.06	14	17	1.02	534	<4
6034	754	1	2.73	55	14	39	37	3.70	<15	1.27	24	23	1.11	645	<4
6039	621	2	1.64	66	11	37	35	3.11	<15	1.83	31	49	1.01	592	<4
6043	735	2	1.01	64	11	45	29	2.92	15	1.82	32	30	0.69	742	<4
6044	689	2	1.85	95	15	90	21	5.62	<15	1.65	42	24	0.61	862	<4
6056	368	2	2.26	201	24	147	23	13.53	<15	1.01	96	16	0.39	2006	<4
6094	14427	9	3.16	69	14	222	62	3.07	<15	2.14	27	53	0.59	29830	<4
6097	962	1	2.24	68	13	50	22	4.27	<15	1.46	32	20	1.01	648	<4
6098	919	2	1.03	63	18	50	54	3.95	<15	1.92	28	35	1.27	768	<4
6125	646	2	3.02	102	23	93	27	8.00	<15	1.37	49	22	0.82	1017	<4
6126	616	1	2.77	54	13	42	39	3.20	<15	1.50	26	30	1.16	477	<4
6129	925	<1	3.86	<10	8	95	26	4.19	<15	1.65	24	28	1.65	816	<4
6130	803	1	2.09	49	7	35	23	2.68	<15	2.02	24	25	0.61	395	<4
6133	636	2	2.90	66	13	39	35	3.26	21	1.64	30	28	0.99	632	<4
6134	676	1	2.77	50	13	67	20	3.38	<15	1.27	21	22	0.98	520	<4
6138	638	2	3.85	65	13	36	52	3.38	<15	1.75	29	31	1.15	667	<4
6139	856	1	2.36	76	18	88	38	8.61	<15	1.31	33	19	0.62	878	<4
6143	691	2	3.59	59	13	42	59	3.25	<15	1.35	27	35	1.23	560	<4
6158	947	1	1.69	53	15	59	34	3.70	<15	1.48	21	19	0.98	620	<4
6159	757	2	1.96	82	12	42	25	4.29	<15	1.56	37	20	0.67	717	<4
6160	650	3	1.74	84	9	28	18	3.65	<15	2.08	38	24	0.49	1747	<4
6161	553	2	1.62	157	22	109	30	8.35	<15	1.66	71	20	0.53	1434	<4
6162	632	2	1.93	95	22	110	30	6.78	<15	1.64	44	21	0.77	1001	<4
6163	604	2	2.07	91	28	140	32	8.43	<15	1.55	44	24	0.90	1061	<4
6165	570	1	4.03	87	13	37	22	6.17	<15	1.31	40	33	0.82	762	<4
6166	795	1	2.52	61	21	166	32	5.96	<15	1.42	26	15	0.97	776	<4
6167	888	2	2.02	67	21	86	58	4.83	<15	1.70	30	32	1.00	723	<4
6170	794	2	2.09	84	18	97	28	4.88	<15	1.75	34	21	0.85	800	<4
6172	649	2	1.61	73	12	42	102	3.22	<15	2.09	35	41	0.81	592	<4
6195	735	1	3.86	58	23	40	38	6.58	<15	1.12	21	19	1.73	873	<4
6243	764	4	20.86	33	<4	26	132	1.32	<15	0.86	14	47	0.74	355	<4
6244	826	1	6.11	59	10	52	21	3.69	<15	1.54	27	120	1.16	585	<4
6247	760	2	2.56	81	14	61	39	4.80	<15	1.95	33	28	0.78	866	<4
6248	708	1	2.56	92	20	134	30	6.63	<15	1.46	41	20	1.01	1050	<4
6249	734	1	2.38	97	21	135	28	7.24	<15	1.44	44	17	0.97	1150	<4
6253	552	2	3.02	67	12	71	32	4.44	<15	1.54	31	31	0.85	801	<4
6255	700	1	2.33	65	27	122	40	11.50	<15	1.47	25	19	0.92	854	<4
6894	739	2	2.27	95	12	42	30	3.84	15	2.13	40	24	0.82	730	4
6896	544	4	2.50	142	21	54	27	7.54	<15	1.86	65	22	1.29	1190	<4
6898	536	3	1.36	135	16	70	25	8.59	<15	1.84	67	21	0.84	1234	<4
6900	430	4	1.97	215	23	95	29	12.08	<15	1.50	105	16	1.20	1835	<4
6973	431	4	1.89	182	25	119	29	14.64	<15	1.59	80	17	1.03	1884	<4
6975	420	3	2.56	157	17	39	23	12.25	<15	1.39	72	15	0.90	1412	<4
6977	487	3	3.52	155	18	42	28	6.23	<15	1.69	69	16	1.81	1356	<4
6978	524	3	2.19	177	19	48	22	8.37	<15	1.94	81	16	1.09	1767	<4
6980	616	4	1.80	188	14	33	23	8.64	<15	1.64	84	12	0.93	2018	<4
6981	412	2	4.74	62	6	22	17	2.42	<15	1.23	28	12	1.37	567	<4
6982	541	2	5.64	120	5	20	14	3.39	<15	1.56	59	13	1.82	1092	<4
6983	606	2	3.70	112	6	24	18	3.02	<15	2.31	54	17	1.44	970	<4
6984	660	2	1.24	143	6	27	16	4.19	<15	2.01	69	13	0.53	1132	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
6001	1.38	9	19	646	21	4	881	10	1894	42	11	48	48
6002	2.02	14	24	551	31	6	536	7	4032	92	15	62	53
6024	1.46	8	16	444	21	4	842	7	2554	109	11	44	52
6029	1.02	9	17	668	17	5	772	9	2393	60	11	48	60
6031	1.61	12	14	957	15	5	390	3	4246	87	14	63	59
6032	1.00	8	22	536	125	3	568	3	2022	88	7	9132	42
6034	1.68	8	21	652	30	6	577	11	4074	94	12	61	79
6039	0.90	11	26	662	25	8	350	13	3080	63	17	79	108
6043	1.03	11	23	555	31	6	308	9	3287	61	17	69	96
6044	1.49	22	29	580	28	6	446	12	7019	176	23	108	93
6056	0.82	49	29	261	31	8	218	10	18737	468	27	266	88
6094	0.56	15	113	1220	525	5	413	7	2309	58	26	239	67
6097	2.27	10	30	1108	44	8	700	4	4619	116	11	117	43
6098	1.63	9	36	1150	114	8	383	4	3423	91	12	318	53
6125	1.53	19	42	577	31	9	423	8	9549	245	22	151	90
6126	1.10	9	23	721	25	8	368	7	3651	81	13	74	76
6129	1.64	4	38	929	28	8	679	14	4584	95	12	73	88
6130	1.74	8	18	432	10	5	366	4	3005	73	13	61	48
6133	0.72	11	20	862	29	8	322	12	3506	81	16	85	72
6134	1.30	7	37	550	16	6	440	5	3615	84	10	62	59
6138	0.77	11	21	1110	27	8	297	7	3425	79	17	100	70
6139	1.11	13	31	1064	38	6	293	8	7077	270	17	177	75
6143	1.00	10	30	1128	35	8	336	4	3201	67	14	94	80
6158	2.73	8	38	1164	24	6	685	42	3940	101	7	81	42
6159	1.93	20	18	596	31	6	403	9	5651	114	16	99	75
6160	2.19	32	9	568	104	4	342	4	5254	89	20	327	84
6161	1.54	33	27	448	30	7	307	10	11114	268	31	197	98
6162	1.29	18	30	698	27	7	365	7	8377	218	21	127	112
6163	1.36	17	36	756	36	9	415	7	10035	288	21	146	113
6165	1.02	14	15	1075	55	9	386	7	5874	159	19	120	50
6166	1.70	10	36	575	23	9	572	4	8006	210	13	98	97
6167	1.41	10	39	1335	20	11	578	6	5851	122	17	95	143
6170	1.67	16	29	614	43	7	534	20	6517	159	19	87	94
6172	1.04	13	26	753	41	8	187	13	3371	66	20	57	95
6195	1.42	12	16	1140	22	12	587	42	8181	231	14	108	91
6243	0.81	13	8	438	32	2	821	6	2194	26	9	45	29
6244	1.36	12	18	771	30	5	778	5	4587	104	15	79	59
6247	1.76	16	21	563	19	7	455	5	5964	140	20	106	87
6248	1.59	16	35	520	28	10	468	4	9031	231	19	113	87
6249	1.51	19	36	552	27	10	487	8	9700	254	20	120	97
6253	1.10	11	29	690	27	7	273	6	4632	125	21	96	61
6255	1.69	11	55	905	24	8	362	2	5347	358	14	153	30
6894	1.70	19	22	921	86	6	385	10	4649	98	20	102	78
6896	2.04	82	33	985	26	11	273	14	12811	196	38	158	52
6898	1.63	90	23	561	21	8	248	8	15996	243	30	133	61
6900	1.56	153	36	733	21	10	228	12	23308	361	40	164	54
6973	1.73	139	31	828	20	9	219	2	24409	432	39	185	55
6975	1.15	125	24	553	38	7	175	15	16170	330	34	185	52
6977	1.90	84	27	976	42	9	242	5	10807	153	30	173	43
6978	2.11	137	20	834	22	9	228	9	18115	213	33	177	52
6980	1.76	154	18	951	17	10	206	6	19293	195	39	173	45
6981	0.96	38	11	305	28	3	154	5	4573	54	13	67	37
6982	1.32	46	9	1288	25	5	163	4	4956	45	19	131	34
6983	1.52	37	12	1105	38	5	187	11	4423	52	18	134	43
6984	1.60	54	12	1744	28	6	259	4	6404	62	24	140	38

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONM	MEAS	PH
6985	M	35	32.091	107.590	2	15	02/28/76	14	21.0				
6986	M	35	32.110	107.574	2	15	02/28/76	14	21.0				
6992	M	35	32.298	107.340	2	15	03/02/76	15	24.0		C		
6993	M	35	32.294	107.330	2	15	03/03/76	<0	23.0				
6994	M	35	32.294	107.315	2	15	03/02/76	15	23.0				
7059	M	35	32.104	107.962	2	15	03/10/76	11	20.0				
7061	M	35	32.068	107.988	2	15	03/10/76	12	20.0				
7068	H	35	32.016	107.972	2	13	03/10/76	14	18.0				
7074	M	35	32.052	107.932	2	15	03/11/76	10	11.0				
7080	M	35	32.004	107.942	2	15	03/11/76	12	14.0				
7083	M	35	32.010	107.893	2	15	03/11/76	13	16.0				
7118	M	35	32.161	107.341	2	15	03/03/76	12	18.0				
7119	H	35	32.160	107.391	2	96	03/03/76	13	19.0				
7124	H	35	32.093	107.468	2	14	03/03/76	16	23.0				
7127	H	35	32.088	107.377	2	96	03/03/76	16	23.0				
7128	H	35	32.093	107.423	2	96	03/03/76	17	22.0				
7132	H	35	32.025	107.352	2	96	03/04/76	10	7.0				
7134	H	35	32.059	107.360	2	96	03/04/76	11	7.0				
7135	H	35	32.091	107.339	2	96	03/04/76	11	7.0				
7136	H	35	32.116	107.360	2	96	03/04/76	12	8.0				
7138	H	35	32.177	107.272	2	14	03/04/76	14	9.0				
7139	M	35	32.172	107.273	2	15	03/04/76	14	9.0				
7147	H	35	32.102	107.564	2	96	03/05/76	10	10.0				
7150	M	35	32.092	107.612	2	11	03/05/76	11	12.0	8.0	C	6.3	
7152	M	35	32.092	107.603	2	11	03/05/76	13	14.0	20.0	C	6.8	
7154	H	35	32.067	107.503	2	96	03/05/76	14	15.0				
7155	H	35	32.137	107.513	2	96	03/05/76	15	15.0				
7157	H	35	32.245	107.540	2	97	03/05/76	16	15.0		C		
7160	M	35	32.311	107.341	2	15	03/06/76	10	14.0				
7161	M	35	32.324	107.331	2	15	02/06/76	10	14.0				
7166	M	35	32.377	107.288	2	15	03/06/76	11	14.0				
7168	H	35	32.374	107.327	2	14	03/06/76	11	14.0				
7174	H	35	32.371	107.394	2	96	03/06/76	13	15.0				
7177	M	35	32.469	107.394	2	15	03/07/76	10	12.0				
7179	M	35	32.474	107.414	2	15	03/07/76	10	12.0				
7181	M	35	32.449	107.444	2	15	03/07/76	11	15.0				
7182	M	35	32.440	107.432	2	15	03/07/76	11	15.0				
7185	M	35	32.428	107.422	2	15	03/07/76	13	18.0				
7188	H	35	32.429	107.486	2	14	03/07/76	15	16.0				
7190	M	35	32.457	107.490	2	15	03/07/76	15	16.0				
7191	M	35	32.430	107.331	2	15	03/08/76	9	9.0				
7193	H	35	32.416	107.300	2	96	03/08/76	9	9.0				
7195	H	35	32.434	107.292	2	14	03/08/76	10	10.0				
7196	H	35	32.457	107.289	2	14	03/08/76	11	14.0				
7197	H	35	32.480	107.297	2	14	03/08/76	11	15.0				
7200	M	35	32.492	107.299	2	15	03/08/76	13	18.0				
7202	M	35	32.367	107.684	2	15	03/05/76	13	15.0				
7203	M	35	32.366	107.681	2	15	03/05/76	13	15.0				
7204	M	35	32.360	107.678	2	15	03/05/76	13	15.0				
7205	M	35	32.356	107.669	2	15	03/05/76	14	14.0				
7206	M	35	32.356	107.664	2	15	03/05/76	14	14.0				
7207	M	35	32.362	107.657	2	15	03/05/76	14	14.0				
7209	M	35	32.372	107.613	2	15	03/05/76	15	13.0				
7210	M	35	32.351	107.633	2	15	03/05/76	16	13.0				
7211	M	35	32.336	107.655	2	15	03/05/76	16	13.0		C		

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL
6985	1	7	3	6	4	6			4	2	3.10	<2	7.32
6986		7	1	6	4	6			2	1	3.60	<2	7.81
6992	1	7	1	6	4	6			2	2	3.10	<2	5.56
6993	1	6	1	7	4	7			2	2	2.30	<2	6.77
6994	1	7	1	7	4	7			3	3	2.40	<2	5.99
7059	1	6	1	6	4	6			2	3	3.10	<2	7.66
7061	1	9	1	6	4	6			3	3	2.70	<2	9.20
7068	1	9	1	6	4	6			2	3	2.60	<2	9.02
7074	1	16	1	6	4	6			2	1	2.90	<2	6.84
7080	1	12	1	6	4	6			3	1	2.50	<2	8.55
7083	1	9	1	6	4	6			2	1	2.70	<2	8.33
7118	1	9	1	6	4	6			2	3	3.40	<2	6.72
7119	1	9	1	6	4	6			2	3	2.90	<2	5.29
7124	1	9	1	6	4	6			2	2	3.60	<2	6.79
7127	1	9	1	6	4	6			2	2	3.10	<2	7.23
7128	1	9	1	6	4	6			2	2	2.50	<2	6.50
7132	1	9	1	6	4	6			2	1	2.20	<2	6.25
7134	1	9	1	6	4	6			2	1	2.80	<2	2.41
7135	1	9	1	6	4	6			2	1	3.10	<2	6.51
7136	1	9	1	6	4	6			2	1	3.10	<2	5.72
7138	1	9	1	6	4	6			3	1	3.10	<2	6.15
7139	1	9	1	6	4	6			3	1	4.10	<2	5.37
7147	1	12	1	6	4	6			3	1	4.90	<2	6.87
7150	1	15	3	6	1	6	2	1	5	1	2.70	<2	7.06
7152	1	12	3	6	1	6	3	1	4	1	2.80	<2	7.27
7154	1	15	1	6	4	6			2	1	2.70	<2	7.51
7155	1	9	1	6	4	6			2	1	2.10	<2	9.59
7157	1	12	1	6	4	6			2	1	3.90	<2	7.22
7160	1	15	1	6	2	6			3	1	2.30	<2	6.79
7161	1	9	1	6	2	6			3	1	2.80	<2	7.11
7166	1	12	1	6	4	6			3	1	4.60	<2	6.16
7168	1	9	1	6	4	6			2	1	2.40	<2	6.49
7174	1	9	1	6	4	6			3	1	2.30	<2	8.48
7177	1	10	1	6	4	6			2	1	2.30	<2	8.84
7179	1	9	1	6	4	6			3	1	2.30	<2	6.95
7181	1	12	1	6	2	6			3	1	2.90	<2	6.94
7182	1	12	3	6	2	6			4	1	2.40	<2	7.44
7185	1	12	1	6	4	6			3	1	3.50	<2	6.12
7188	1	16	1	6	4	6			2	2	2.90	<2	8.49
7190	1	15	1	6	4	6			2	1	3.00	<2	7.50
7191	1	6	1	6	4	6			2	1	2.50	<2	7.42
7193	1	9	1	6	4	6			2	1	2.20	<2	8.20
7195	1	6	1	6	2	6			3	1	2.20	<2	7.27
7196	1	12	1	6	4	6			2	1	2.70	<2	6.87
7197	1	12	1	6	4	6			3	1	2.20	<2	7.64
7200	1	9	1	6	2	6			2	1	2.30	<2	7.65
7202	1	7	1	6	4	6			1	2	5.50	<2	4.08
7203	1	10	1	6	4	6			3	2	3.30	<2	6.30
7204	1	7	1	6	4	6			2	2	2.80	<2	5.62
7205	1	7	3	6	4	6			2	2	5.60	<2	4.67
7206	1	10	1	6	4	6			2	2	6.00	<2	5.21
7207	1	6	1	6	4	6			2	2	2.30	<2	7.12
7209	1	9	3	6	4	6			3	2	3.00	<2	6.16
7210	1	9	1	6	4	8			1	2	2.20	<2	8.20
7211	1	9	1	6	7	6			2	2	2.30	<2	7.42

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	RE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
6985	626	2	0.33	145	4	15	11	3.71	<15	2.73	68	12	0.31	1299
6986	788	2	2.46	109	11	46	23	4.82	20	1.54	50	15	0.82	917
6992	550	1	1.66	106	24	101	19	8.90	<15	1.12	53	15	0.77	993
6993	677	1	2.51	73	15	56	16	4.73	<15	1.51	36	22	0.80	625
6994	713	1	4.81	52	12	34	20	3.47	<15	1.44	24	27	0.87	523
7059	571	2	3.47	69	10	33	31	3.04	<15	2.15	32	51	1.46	613
7061	589	2	1.46	81	12	37	36	3.48	22	2.22	38	47	1.08	620
7068	584	2	2.34	86	13	33	37	3.32	16	1.82	38	40	1.12	628
7074	690	2	2.66	73	8	29	15	3.00	19	1.73	36	27	0.65	495
7080	631	2	2.77	71	12	32	34	3.16	<15	2.21	33	43	1.02	572
7083	615	2	1.98	79	12	47	24	3.25	<15	1.98	36	39	1.03	628
7118	641	2	1.05	86	7	38	12	3.12	<15	1.78	42	26	0.49	455
7119	706	1	6.83	45	8	22	16	1.95	<15	1.34	19	98	2.05	382
7124	702	2	3.80	57	11	34	46	3.21	<15	2.07	26	38	1.02	740
7127	655	2	0.85	49	4	31	18	2.49	<15	1.98	26	26	0.46	321
7128	728	2	2.72	54	6	31	86	2.23	<15	1.93	27	27	0.64	372
7132	717	1	0.90	48	<4	20	16	1.55	<15	2.00	26	19	0.32	250
7134	537	1	0.44	26	4	20	12	1.44	<15	1.92	10	17	0.20	198
7135	682	1	0.82	53	5	24	16	2.04	<15	2.15	26	25	0.34	307
7136	708	1	1.98	43	4	18	16	1.46	<15	2.01	21	25	0.74	264
7138	601	2	5.93	51	7	28	91	2.48	<15	1.89	24	78	1.91	479
7139	659	1	0.84	63	4	26	65	2.51	<15	1.62	34	17	0.24	427
7147	695	3	1.04	146	7	27	89	5.00	<15	2.10	68	17	0.46	1269
7150	419	2	4.23	160	<4	15	39	3.89	<15	2.54	81	18	0.68	1471
7152	835	2	1.54	312	<4	11	73	4.91	<15	2.77	147	11	0.54	1909
7154	678	2	3.12	69	7	29	40	3.22	<15	1.90	34	56	2.45	1156
7155	782	2	1.18	44	13	44	54	3.82	<15	2.09	22	60	1.29	825
7157	739	2	2.10	68	10	46	93	3.93	<15	2.01	34	23	0.74	782
7160	665	1	3.96	52	9	39	87	3.22	<15	1.53	25	22	0.88	482
7161	641	2	2.30	102	11	41	91	4.63	<15	1.64	50	25	0.73	709
7166	547	1	1.82	340	20	46	79	10.76	<15	1.32	175	17	0.66	1505
7168	914	2	5.00	57	8	31	27	2.45	22	1.76	27	29	0.83	360
7174	790	2	1.29	54	10	34	33	3.07	<15	1.84	29	33	0.79	585
7177	711	2	1.53	69	14	44	41	3.84	<15	1.86	34	37	0.91	664
7179	785	1	3.53	61	11	52	26	4.02	<15	1.58	32	23	0.77	594
7181	698	2	1.79	68	14	54	25	4.87	<15	1.51	33	23	0.69	696
7182	804	2	2.00	53	8	37	36	2.74	43	1.82	27	25	0.67	504
7185	671	1	2.38	92	12	76	20	4.57	33	1.45	49	22	0.68	604
7188	761	3	1.04	68	10	37	34	3.06	<15	2.19	31	41	0.79	617
7190	737	2	1.24	71	10	43	27	3.14	47	1.92	34	33	0.67	682
7191	770	2	1.41	57	9	36	24	2.84	<15	2.00	29	28	0.69	500
7193	727	2	1.93	48	10	45	32	3.04	<15	2.08	25	38	0.83	475
7195	728	2	3.35	48	9	46	26	2.68	<15	1.66	23	28	0.88	411
7196	755	1	2.72	77	13	65	17	4.28	<15	1.60	37	20	0.87	616
7197	686	2	2.52	56	12	44	31	3.14	<15	1.86	27	31	0.82	463
7200	734	2	2.81	119	17	76	24	5.80	24	1.55	59	21	1.15	880
7202	642	1	1.54	86	12	87	21	7.36	16	0.93	40	15	0.57	945
7203	802	2	1.50	63	12	60	24	4.91	<15	1.96	33	23	0.60	664
7204	723	2	6.59	51	11	57	31	5.22	<15	1.74	25	27	0.73	666
7205	620	2	0.37	97	19	96	27	8.03	<15	1.67	50	20	0.41	1449
7206	608	2	2.15	107	18	75	24	7.74	<15	1.80	47	24	0.54	1199
7207	828	2	1.12	65	8	41	21	3.86	<15	1.38	34	26	0.66	540
7209	698	1	2.21	69	21	86	34	9.33	<15	1.28	34	18	0.74	1002
7210	828	2	2.05	54	11	41	30	3.89	<15	1.79	27	31	1.05	591
7211	752	2	2.07	53	9	35	25	2.76	<15	1.96	25	30	0.79	513

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NR	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
6985	1.99	56	6	1745	27	5	149	7	5505	35	24	141	33
6986	1.89	34	22	1528	77	8	597	2	5436	112	20	124	36
6992	1.16	22	30	277	16	8	301	6	10976	307	23	152	70
6993	1.46	15	18	386	22	6	382	12	5902	147	15	93	70
6994	1.38	13	14	473	25	4	422	6	4002	97	9	86	74
7059	0.80	14	22	1380	35	7	374	7	2995	57	17	100	92
7061	0.94	15	26	648	44	8	203	13	3284	64	22	99	107
7068	0.82	13	23	1116	37	9	319	11	3213	63	20	100	111
7074	1.40	21	15	455	26	5	306	10	4633	73	18	70	116
7080	1.07	13	21	1033	19	7	324	8	3484	62	18	50	104
7083	0.94	14	24	1056	42	8	277	9	3442	63	20	87	107
7118	1.30	18	16	175	26	5	270	14	4736	84	16	65	59
7119	1.87	10	13	647	17	4	2580	5	2403	91	10	49	58
7124	1.87	11	19	947	19	5	522	2	3456	114	12	103	82
7127	1.27	12	14	217	27	5	236	3	2933	58	12	62	59
7128	1.65	14	13	396	25	4	385	9	3024	57	13	124	52
7132	1.55	12	10	183	26	3	263	9	2282	37	11	48	42
7134	1.34	16	7	164	16	1	108	5	2634	40	5	42	44
7135	1.48	13	8	155	17	4	232	6	2962	50	12	51	47
7136	1.44	9	5	223	13	3	343	8	2318	42	10	39	48
7138	1.02	12	16	784	19	5	767	6	2597	75	13	141	61
7139	1.23	20	11	282	29	3	224	2	4370	65	14	107	41
7147	1.26	65	13	1097	39	7	215	12	6340	73	27	217	47
7150	1.40	40	9	1428	31	8	179	3	3694	30	27	151	35
7152	1.91	55	6	5307	16	7	160	<2	6636	31	50	261	26
7154	0.85	11	18	865	23	7	633	<2	2929	62	17	164	69
7155	1.18	7	30	899	50	8	382	<2	3198	80	14	203	61
7157	1.74	14	18	761	24	6	435	10	4446	115	18	153	78
7160	1.52	12	21	464	21	5	412	8	3909	93	12	133	67
7161	1.51	15	19	371	20	7	313	8	5205	125	21	166	71
7166	1.46	27	19	281	19	12	254	13	10993	265	45	270	68
7168	1.10	13	16	718	<10	5	302	8	3087	63	13	36	72
7174	1.27	9	25	673	13	7	327	5	3591	66	16	77	104
7177	0.94	12	35	740	30	9	237	<2	4092	83	20	95	111
7179	1.46	11	28	499	23	6	388	2	5071	118	16	75	67
7181	1.32	14	24	604	19	7	357	5	6459	154	18	57	90
7182	1.52	9	21	544	34	6	376	6	3625	70	14	70	78
7185	1.33	15	30	308	15	6	322	7	6482	152	18	89	72
7188	1.11	11	23	711	39	7	322	11	3564	65	17	91	118
7190	1.25	15	23	761	27	6	350	9	4149	83	17	51	99
7191	1.29	12	20	566	27	6	271	3	3522	69	16	73	75
7193	1.28	9	32	564	21	7	264	2	3249	71	16	72	82
7195	1.30	9	27	551	23	6	323	5	3354	67	13	59	75
7196	1.73	14	34	344	16	7	386	12	5691	132	18	76	66
7197	1.21	10	33	643	32	7	272	6	3717	74	16	72	88
7200	1.88	12	38	397	29	10	375	9	6755	169	29	131	74
7202	0.88	14	22	764	20	6	277	4	9458	261	20	123	77
7203	1.12	13	27	537	39	5	262	12	6155	156	16	95	78
7204	0.81	10	21	708	23	5	379	5	5396	163	12	96	59
7205	0.66	18	33	483	29	6	164	7	10923	292	18	165	87
7206	0.87	20	25	569	30	5	273	7	9855	271	20	147	100
7207	1.82	11	18	595	22	5	335	6	4611	116	15	71	73
7209	1.55	17	29	924	17	8	445	3	12000	326	17	125	104
7210	1.52	9	22	793	17	7	433	4	4430	106	13	87	79
7211	1.22	8	19	708	31	6	324	12	3261	73	13	67	71

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAD	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH
7214	H	35	32.326	107.642	2	13	03/06/76	11	14.0				
7216	H	35	32.297	107.665	2	97	03/06/76	12	16.0				
7219	H	35	32.313	107.587	2	96	03/07/76	9	13.0				
7220	H	35	32.309	107.575	2	13	03/07/76	10	14.0		C		
7222	H	35	32.387	107.547	2	96	03/07/76	13	19.0		C		
7224	H	35	32.344	107.512	2	13	03/07/76	14	16.0		C		
7227	H	35	32.387	107.588	2	96	03/07/76	16	17.0		C		
7228	H	35	32.486	107.618	2	96	03/07/76	16	17.0		C		
7229	M	35	32.429	107.602	2	15	03/07/76	17	17.0		C		
7230	H	35	32.430	107.611	2	97	05/07/76	17	15.0				
7233	M	35	32.342	107.866	2	15	03/08/76	15	16.0				
7235	M	35	32.342	107.880	2	15	03/08/76	16	15.0				
7240	M	35	32.584	107.464	2	15	03/09/76	11	15.0				
7243	M	35	32.673	107.437	2	15	03/09/76	13	18.0				
7244	H	35	32.672	107.416	2	96	03/09/76	13	18.0				
7245	H	35	32.689	107.403	2	96	03/09/76	13	19.0		C		
7247	H	35	32.693	107.545	2	96	03/09/76	15	17.0				
7256	M	35	32.674	107.570	2	15	03/10/76	9	9.0				
7259	M	35	32.661	107.567	2	15	03/10/76	10	16.0				
7260	M	35	32.653	107.597	2	11	03/10/76	11	16.0	13.0			6.3
7261	M	35	32.694	107.628	2	15	03/10/76	11	16.0		C		
7264	M	35	32.631	107.586	2	15	03/10/76	13	19.0				
7265	M	35	32.626	107.594	2	15	03/10/76	13	19.0				
7267	M	35	32.605	107.599	2	15	03/10/76	14	19.0				
7268	M	35	32.597	107.594	2	11	03/10/76	14	19.0	16.5			6.8
7273	H	35	32.502	107.546	2	14	03/10/76	17	17.0				
7285	H	35	32.450	107.847	2	14	03/12/76	16	19.0		C		
7286	M	35	32.489	107.872	2	15	03/12/76	16	19.0				
7288	M	35	32.494	107.890	2	15	03/12/76	17	16.0				
7289	H	35	32.399	107.794	2	96	03/14/76	11	20.0				
7290	H	35	32.436	107.806	2	96	03/14/76	12	20.0		C		
7291	M	35	32.436	107.799	2	15	03/14/76	12	20.0				
7292	M	35	32.476	107.784	2	15	03/14/76	12	20.0				
7293	M	35	32.476	107.773	2	15	03/14/76	12	21.0				
7295	M	35	32.476	107.763	2	15	03/14/76	13	20.0				
7298	H	35	32.217	107.870	2	14	03/14/76	15	22.0				
7299	H	35	32.200	107.871	2	96	03/14/76	15	19.0		C		
7300	H	35	32.204	107.888	2	15	03/14/76	15	19.0		C		
7301	M	35	32.202	107.897	2	15	03/14/76	16	18.0				
7303	M	35	32.174	107.890	2	15	03/14/76	14	20.0		C		
7331	M	35	32.506	107.674	2	15	03/19/76	10	20.0				
7332	M	35	32.506	107.658	2	15	03/19/76	10	20.0				
7333	M	35	32.518	107.679	2	15	03/19/76	11	20.0				
7334	M	35	32.528	107.675	2	15	03/19/76	11	20.0				
7337	M	35	32.547	107.704	2	15	03/19/76	11	22.0				
7339	M	35	32.545	107.721	2	15	03/19/76	12	22.0				
7340	M	35	32.551	107.718	2	11	03/19/76	12	22.0				6.6
7342	M	35	32.557	107.732	2	15	03/19/76	13	23.0				
7343	M	35	32.569	107.733	2	15	03/19/76	13	23.0				
7345	M	35	32.571	107.636	2	15	03/19/76	15	24.0				
7346	M	35	32.564	107.649	2	15	03/19/76	15	22.0				
7348	M	35	32.592	107.642	2	15	03/19/76	16	20.0				
7350	M	35	32.601	107.657	2	15	03/19/76	16	20.0				
7352	M	35	32.611	107.683	2	15	03/19/76	17	19.0				
7354	M	35	32.591	107.727	2	15	03/19/76	17	19.0				

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELΓ	SKY	U	AG	AL
7214	1	9	1	6					1	2	2.80	<2	6.38
7216	1	9	1	6	7	6			1	2	2.50	<2	7.25
7219	1	10	1	7	7	7			1	1	2.20	<2	8.08
7220	1	3	1	7	5	7			1	1	2.30	<2	6.14
7222	1	4	1	6	7	6			1	2	2.50	<2	8.53
7224	1		1	6	5	8			1	2	3.50	<2	6.70
7227	1	9	1	7	7	7			1	2	2.40	<2	8.19
7228	1	13	1	7	7	7			2	1	2.70	<2	9.93
7229	1	7	3	6	7				2	1	2.10	<2	8.52
7230	1	9	1	6	4	8			2	1	2.10	<2	8.26
7233	1	9	3	6	4	6			3	2	3.10	<2	7.45
7235	1	14	3	6	4	6			2	3	3.40	<2	7.80
7240	1	4	3	6	7	8			3	1	2.30	<2	8.68
7243	1	15	3	6	4	6			3	1	2.20	<2	7.92
7244	1	9	3	6	7	7			3	1	2.40	<2	8.24
7245	1	13	3	6	7	6			3	1	2.50	<2	7.09
7247	1	10	1	6	5	8			2	1	2.60	<2	8.42
7256	1	9	1	6	4	7			2	3	1.80	<2	7.61
7259		9	3	6					2	2	2.00	<2	7.18
7260	1	12	3	6	4	8			3	3	4.10	<2	6.94
7261	1	13	3	6					4	3	6.30	<2	6.64
7264	2	9	3	6	4	8			2	2	1.30	<2	8.37
7265	1	9	3	6	4	7			2	2	1.50	<2	7.89
7267	1	12	3	6	4	7			3	3	4.90	<2	6.22
7268	1	16	3	6	4	8		5	3	3	2.90	<2	7.48
7273	1	12	1	6	5	8			1	3	3.50	<2	6.63
7285	1	7	1	7	5	8			2	1	2.30	<2	8.49
7286	1	15	1	6					2	1	4.30	<2	6.95
7288	1	13	1	6	7	6			3	1	2.80	<2	8.16
7289	1	9	1	8	5	8			2	1	2.10	<2	8.35
7290	1	6	1	6	7	8			2	1	2.00	<2	8.56
7291	1	6	1	6	4	6			2	1	2.50	<2	4.86
7292	1	7	1	6	4	6			2	1	2.00	<2	7.53
7293	1	9	1	6	4	6			2	1	2.20	<2	5.95
7295	1	9	1	7	4	7			2	1	3.40	2	5.97
7298	1	13	1	6	5	8			1	1	3.00	<2	8.60
7299	1	12	1	7	7	7			1	1	2.90	<2	8.53
7300	1	12	1	1	7	6			2	1	3.10	<2	7.40
7301	1	10	1	6	4	6			2	1	5.80	<2	5.97
7303	1	13	1	7	7	7			2	1	2.80	<2	8.22
7331	3	6	3	6	4	6			4	2	1.70	<2	6.87
7332	3	6	3	6	4	6			4	2	2.20	<2	6.89
7333	3	9	3	6	4	6			4	2	2.10	<2	7.05
7334	3	9	3	6	4	6			4	2	3.90	6	4.35
7337	3	10	3	6	4	6			4	2	2.80	<2	7.17
7339	3	9	3	6	4	6			4	2	2.60	<2	6.91
7340	3	6	1	7	5	6	2	1	5	2	2.90	<2	7.19
7342	3	9	1	7	4	6			5	2	3.40	<2	5.20
7343	3	9	1	7	4	6			5	2	2.40	<2	3.36
7345	3	9	1	6	4	6			3	2	2.60	<2	7.18
7346	3	9	1	6	4	6			2	2	1.90	<2	6.80
7348	3	12	1	6	4	6			3	2	5.60	<2	6.11
7350	3	18	1	6	4	6			3	2	3.70	<2	7.12
7352	3	7	1	6	4	6			3	2	4.50	<2	7.13
7354	3	6	1	6	4	6			5	2	2.20	<2	7.00

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
7214	764	1	1.36	45	5	33	20	2.66	<15	1.74	24	21	0.52	386
7216	821	2	1.45	55	6	38	46	2.82	48	2.14	29	24	0.58	393
7219	619	2	2.90	65	11	37	42	3.26	<15	2.12	30	44	1.83	663
7220	775	1	4.62	40	8	31	34	2.36	<15	1.94	20	42	1.82	458
7222	750	2	2.12	50	11	42	29	3.25	<15	2.00	26	39	0.90	696
7224	786	2	1.32	56	9	50	19	3.63	<15	2.35	27	25	0.48	516
7227	832	2	2.30	56	11	50	29	3.55	<15	1.94	25	35	0.97	638
7228	731	2	2.91	49	12	43	42	3.22	<15	1.97	23	43	0.97	697
7229	734	2	2.31	56	11	43	37	3.38	<15	1.82	29	36	1.05	608
7230	804	2	2.51	55	12	44	27	3.35	<15	1.89	25	37	1.00	635
7233	722	2	3.28	66	11	63	28	3.77	<15	1.76	32	28	0.77	523
7235	767	2	1.45	80	10	67	22	4.22	<15	2.19	38	25	0.64	600
7240	791	2	1.56	65	14	42	52	3.17	<15	2.08	30	44	0.88	791
7243	833	2	1.78	54	11	44	24	3.17	<15	1.95	25	32	0.67	576
7244	798	2	1.16	59	9	37	30	2.71	<15	2.18	30	34	0.54	464
7245	757	2	4.97	56	9	37	30	2.62	<15	1.50	27	33	0.90	445
7247	733	2	1.52	58	12	39	50	3.01	<15	1.64	28	39	0.90	589
7256	879	1	1.89	57	14	53	31	3.94	<15	1.41	25	29	0.92	646
7259	859	1	2.16	61	17	75	29	5.35	<15	1.19	27	24	0.94	741
7260	618	2	1.56	80	14	61	28	4.06	<15	1.71	37	31	0.69	1255
7261	549	3	1.37	117	16	57	22	4.68	<15	1.96	53	32	0.52	1486
7264	1016	1	2.29	43	12	57	20	2.79	<15	1.54	20	24	0.75	522
7265	980	1	2.47	55	15	65	24	3.69	<15	1.32	24	21	0.80	669
7267	737	2	1.58	82	16	74	24	5.36	<15	1.51	37	24	0.58	951
7268	832	2	2.18	56	10	36	21	2.79	<15	1.79	27	28	0.64	429
7273	694	2	2.01	71	9	47	18	3.11	<15	1.94	36	28	0.53	537
7285	710	2	2.02	53	9	37	46	2.95	<15	1.97	26	40	0.98	488
7286	750	2	1.96	83	15	96	24	5.34	<15	1.65	37	22	0.80	849
7288	702	2	2.99	59	10	40	45	3.06	<15	1.83	28	35	0.85	489
7289	649	2	3.14	57	10	34	75	2.98	<15	1.83	28	42	1.28	515
7290	657	2	3.24	59	10	36	70	2.97	<15	1.84	28	38	1.21	549
7291	427	1	5.44	43	8	50	19	3.00	<15	1.18	21	26	0.57	387
7292	850	1	2.07	44	9	36	25	3.59	<15	1.70	21	19	0.65	499
7293	639	1	2.08	48	9	30	48	3.72	<15	1.34	22	20	0.67	530
7295	695	1	2.19	67	12	43	22	5.08	<15	1.16	29	17	0.78	860
7298	713	2	1.33	67	11	32	50	3.25	<15	2.27	31	34	0.83	683
7299	675	3	1.36	73	12	35	54	3.56	<15	2.01	33	34	1.17	830
7300	735	2	0.82	67	7	28	33	2.54	<15	2.08	34	25	0.45	645
7301	605	2	0.94	101	9	70	22	5.58	<15	1.71	54	21	0.38	977
7303	575	2	1.77	73	11	39	52	3.44	<15	2.34	33	35	1.38	857
7331	801	1	1.98	51	9	45	23	2.79	<15	1.45	24	16	0.80	449
7332	556	1	1.79	55	13	65	26	4.31	<15	1.61	25	25	0.88	824
7333	1274	1	2.26	66	13	57	33	4.00	19	1.49	29	30	0.98	1294
7334	2024	1	1.42	81	21	139	30	13.26	<15	0.87	35	14	0.58	994
7337	633	2	1.57	33	8	33	25	2.59	<15	1.51	13	41	0.52	370
7339	666	2	4.44	52	10	45	26	3.48	<15	1.23	24	25	0.63	544
7340	566	2	2.08	50	12	52	36	3.43	<15	1.94	25	34	0.74	306
7342	322	2	9.15	47	12	65	30	4.59	<15	1.20	20	25	0.91	511
7343	228	1	13.08	29	6	30	33	1.92	22	0.90	12	16	4.22	886
7345	824	1	1.60	60	13	82	26	4.74	<15	1.58	28	19	0.68	670
7346	822	1	1.99	58	16	102	26	4.85	<15	1.49	23	24	0.87	748
7348	638	2	1.63	107	19	100	28	7.34	<15	1.54	43	27	0.57	1294
7350	730	2	1.96	91	10	47	23	3.19	<15	1.96	34	32	0.56	722
7352	689	3	1.74	91	11	47	30	3.75	<15	1.89	40	30	0.53	786
7354	676	2	3.39	58	16	99	37	4.42	<15	1.24	27	33	1.16	711

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
7214	1.64	7	15	562	17	4	409	3	3513	82	12	63	53
7216	1.64	9	16	652	30	5	389	8	3542	86	13	142	63
7219	0.81	11	25	964	34	8	491	7	2826	65	15	105	75
7220	1.27	8	16	726	<10	5	712	2	2956	68	11	95	60
7222	1.11	9	27	750	48	7	294	4	3501	84	15	107	69
7224	1.87	14	27	614	26	4	464	6	5067	117	13	105	74
7227	1.60	8	28	737	14	7	413	4	4449	97	15	99	30
7228	0.88	9	26	738	144	8	269	7	3338	86	15	172	62
7229	1.02	10	32	855	46	8	324	9	3660	80	16	94	92
7230	1.54	9	28	675	19	7	420	5	3999	84	14	73	87
7233	1.25	13	35	553	22	7	316	14	4938	110	18	77	89
7235	1.78	16	24	587	25	6	341	17	5764	134	18	86	88
7240	1.36	12	29	773	39	7	337	7	3711	75	15	127	108
7243	1.78	9	25	428	18	5	430	3	4298	90	13	64	79
7244	1.65	10	21	627	31	5	334	12	3623	64	14	65	99
7245	0.93	11	21	718	24	6	318	9	2946	62	14	64	80
7247	1.11	9	30	581	34	8	320	9	3353	66	15	80	103
7256	1.63	10	28	659	18	8	528	<2	5818	112	11	70	95
7259	1.64	11	65	737	23	8	580	4	8668	169	11	102	102
7260	1.51	18	35	534	32	6	379	9	6790	131	20	80	95
7261	1.54	28	26	594	26	6	339	13	7544	151	33	88	96
7264	2.25	5	25	498	26	6	648	4	3888	82	9	53	79
7265	1.81	8	27	616	35	6	609	5	4865	114	10	72	89
7267	1.42	20	28	558	40	6	366	9	7444	178	20	109	93
7268	1.77	12	15	506	22	4	493	8	3727	82	13	64	85
7273	1.43	14	29	575	23	5	332	2	4382	91	17	63	74
7285	1.29	8	21	739	21	7	329	7	3129	64	14	72	81
7286	1.48	13	27	661	14	7	409	9	6800	172	19	92	79
7288	1.12	11	22	624	28	7	331	7	3242	70	15	75	78
7289	0.87	11	22	963	38	8	306	2	2903	58	15	85	84
7290	0.93	10	23	1021	34	8	314	7	2979	61	14	82	81
7291	0.76	10	20	378	14	4	222	7	3161	88	11	55	40
7292	2.11	7	17	493	10	5	435	3	3481	103	10	57	34
7293	1.21	7	14	668	19	5	274	7	3466	101	12	82	47
7295	1.06	10	20	856	23	6	453	9	4702	142	15	93	50
7298	1.35	12	21	804	41	7	256	10	3269	72	18	98	92
7299	1.01	13	24	1031	34	8	227	8	3355	71	19	106	98
7300	1.44	18	14	388	35	4	191	10	3042	57	15	71	63
7301	1.17	26	20	267	27	5	196	8	8098	196	23	114	73
7303	0.76	13	26	1374	46	8	183	12	3133	61	18	114	90
7331	1.79	7	24	648	33	6	412	9	3643	81	11	54	35
7332	1.59	8	27	690	48	5	391	3	5043	135	10	138	68
7333	1.11	9	28	905	208	6	351	8	4415	118	11	150	67
7334	0.80	14	54	1060	901	6	271	6	7462	409	17	382	39
7337	0.58	8	20	488	23	6	179	6	3031	70	10	59	37
7339	1.18	11	23	606	48	6	374	8	3189	94	12	82	37
7340	0.75	10	25	365	157	7	148	10	3941	95	15	138	81
7342	0.45	12	27	447	415	6	214	8	3438	126	13	131	36
7343	0.26	10	14	239	757	4	109	3	1764	54	9	511	29
7345	1.87	11	27	546	17	6	499	<2	6093	149	14	67	81
7346	1.64	10	30	719	22	7	543	3	5845	147	15	66	81
7348	1.31	33	25	512	19	6	432	8	9701	222	23	138	111
7350	1.65	20	16	507	26	4	497	8	4629	89	20	66	95
7352	1.74	25	20	521	33	5	497	10	5611	104	27	78	110
7354	1.05	10	36	566	29	7	412	3	5580	121	15	77	94

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONN	MEAS	PH	CT-F
7355	M	35	32.601	107.724	2	15	03/19/76	18	19.0					
7356	M	35	32.603	107.715	2	11	03/19/76	18	19.0	10.0			6.2	770
7357	M	35	32.612	107.699	2	11	03/19/76	18	18.0	12.0			6.9	500
7358	M	35	32.624	107.702	2	15	03/19/76	19	18.0					
7359	M	35	32.620	107.686	2	15	03/19/76	19	18.0					
7360	M	35	32.617	107.693	2	15	03/20/76	9	18.0					
7361	M	35	32.359	107.695	2	15	03/18/76	14						
7362	M	35	32.378	107.697	2	15	03/18/76	14	28.0					
7363	H	35	32.391	107.706	2	97	03/18/76	14	28.0					
7364	M	35	32.390	107.714	2	15	03/18/76	15	28.0					
7365	M	35	32.392	107.724	2	15	03/18/76	15	28.0					
7366	M	35	32.404	107.736	2	15	03/18/76	15	17.0					
7367	M	35	32.413	107.741	2	15	03/18/76	<0	17.0					
7368	M	35	32.400	107.706	2	15	03/18/76	16	17.0					
7369	M	35	32.414	107.708	2	15	03/18/76	14	16.0					
7370	M	35	32.453	107.738	2	15	03/18/76	16	16.0					
7371	M	35	32.467	107.726	2	15	03/18/76	17	16.0					
7372	M	35	32.232	107.603	2	15	03/20/76	11	18.0					
7373	M	35	32.224	107.596	2	15	03/20/76	11	19.0					
7375	M	35	32.217	107.594	2	15	03/20/76	12	19.0					
7376	M	35	32.212	107.591	2	15	03/20/76	12	19.0					
7377	M	35	32.177	107.647	2	15	03/20/76	13	20.0					
7379	M	35	32.153	107.666	2	15	03/20/76	13	20.0					
7381	M	35	32.137	107.654	2	15	03/20/76	14	20.0					
7382	M	35	32.147	107.662	2	15	03/20/76	14	20.0					
7416	M	35	32.346	107.690	2	15	03/18/76	14	28.0		C			
7421	H	35	32.146	107.969	2	14	03/15/76	11	18.0					
7425	M	35	32.167	107.856	2	15	03/15/76	12	21.0					
7426	M	35	32.168	107.867	2	15	03/15/76	13	21.0					
7427	M	35	32.166	107.887	2	15	03/15/76	13	21.0					
7781	M	35	32.645	107.692	2	15	03/20/76	9	18.0					
7782	M	35	32.646	107.712	2	15	03/20/76	9	19.0					
7783	H	35	32.656	107.714	2	14	03/20/76	9	19.0					
7784	M	35	32.660	107.701	2	11	03/20/76	10	19.0	12.7	C			2390
7785	M	35	32.654	107.699	2	15	03/20/76	10	19.0					
7786	M	35	32.635	107.680	2	15	03/20/76	10	19.0					
7788	M	35	32.627	107.667	2	15	03/20/76	11	18.0					
7789	M	35	32.632	107.669	2	11	03/20/76	11	18.0					
7791	M	35	32.651	107.655	2	15	03/20/76	12	19.0					
7792	M	35	32.663	107.670	2	15	03/20/76	12	19.0					
7793	M	35	32.667	107.681	2	11	03/20/76	12	21.0	9.0			6.3	1700
7794	M	35	32.669	107.684	2	15	03/20/76	12	21.0					
7795	M	35	32.606	107.656	2	15	03/20/76	13	21.0					
7796	M	35	32.564	107.675	2	15	03/20/76	13	21.0					
7797	M	35	32.584	107.660	2	15	03/20/76	13	21.0					
7798	M	35	32.570	107.667	2	15	03/20/76	13	21.0					
7799	H	35	32.564	107.570	2	14	03/20/76	13	21.0					
7800	M	35	32.554	107.602	2	15	03/20/76	13	21.0					
7802	M	35	32.574	107.997	2	15	02/28/76	17	21.0					
7803	M	35	32.607	107.911	2	15	02/29/76	10	18.0					
7805	M	35	32.610	107.888	2	15	02/29/76	10	18.0					
7806	M	35	32.171	107.877	2	15	02/29/76	10	18.0					
7807	M	35	32.635	107.869	2	15	02/29/76	11	17.0					
7808	M	35	32.639	107.857	2	15	02/29/76	11	18.0					
7809	M	35	32.658	107.850	2	15	02/29/76	11	17.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
7355	3	6	1	6	4	6			5	2	3.70	<2	6.53	<10
7356	3	6	1	6	4	6	2	2	5	2	3.40	<2	6.67	<10
7357	3	14	1	6	5	6	2	1	5	2	8.50	<2	6.20	<10
7358	3	15	1	6	4	6			4	2	4.00	<2	6.58	<10
7359	3	24	1	6	4	6			3	2	3.60	<2	7.61	<10
7360	3	6	1	6	4	6			3	1	4.90	<2	6.63	<10
7361	1	10	1	6					1	1	2.20	<2	7.63	<10
7362	1	10	1	7	7	6			2	1	1.70	<2	3.76	<10
7363	2	7	1	6	4	6			2	1	2.40	<2	7.05	<10
7364	1	4	3	6	4	6			2	1	6.00	<2	4.21	<10
7365	1	10	3	6	4	6			2	1	5.00	<2	6.14	<10
7366	1	12	1	6	4	6			2	1	3.00	<2	6.73	<10
7367	1	4	1	7	4	6			2	1	2.70	<2	5.23	<10
7368	1	9	3	6	4	6			3	1	2.50	<2	7.57	<10
7369	1	13	3	6	4	6			2	1	5.40	<2	6.21	<10
7370	1	12	1	7	4	6			2	1	3.30	<2	5.16	<10
7371	1	7	1	7	4	6			2	1	2.30	<2	5.77	<10
7372	1	39	3	6	4	6			3	1	4.40	<2	6.85	<10
7373	1	23	3	6	4	6			2	1	6.60	<2	5.94	10
7375	1	23	3	6	3	6			2	1	3.30	<2	6.64	19
7376	1	26	3	6	3	6			2	1	2.90	<2	6.85	19
7377	1	7	1	7	3	6			2	1	1.90	<2	7.43	10
7379	1	6	1	7	4	6			1	1	3.10	<2	6.36	<10
7381	1	7	3	7	4	7			4	1	2.70	<2	6.05	12
7382	1	6	1	7	4	7			2	1	7.20	<2	5.52	11
7416	1	7	1	7	4				1	1	1.90	<2	4.95	<10
7421	1	9	1	6	4	6			1	1	2.60	<2	5.25	24
7425	1	9	1	6	4	6			3	1	2.50	<2	6.27	29
7426	1	6	1	6	4	6			3	1	3.20	<2	4.54	13
7427	1	3	1	6	4	6			4	1	2.40	<2	4.65	15
7781	3	15	1	6	4	6			3	1	7.50	<2	6.09	<10
7782	3	10	1	6	4	6			4	1	3.50	<2	6.82	15
7783	3	12	1	6	5	6			4	1	3.30	<2	7.41	13
7784	3	3	1	6	4	6	2	1	4	1	3.90	<2	6.87	<10
7785	3	18	1	6	4	6			3	1	7.60	<2	6.16	<10
7786	3	6	1	6	4	6			3	1	5.30	<2	6.79	<10
7788	3	9	1	6	4	6			3	1	6.70	<2	6.35	<10
7789	3	9	1	6	3	6			3	1	3.80	<2	7.02	<10
7791	3	15	1	6	4	6			3	1	3.80	2	6.77	10
7792	3	9	1	6	4	6			3	1	3.10	<2	7.35	<10
7793	3	15	1	6	5	6	2	4	3	1	2.70	<2	7.23	<10
7794	3	15	1	6	4	6			3	1	3.50	<2	7.43	<10
7795	3	9	1	6	4	6			3	1	3.40	<2	6.80	<10
7796	3	6	1	6	4	6			3	1	2.30	<2	7.34	<10
7797	3	9	1	6	4	6			3	1	3.10	<2	7.39	<10
7798	3	9	1	6	4	6			3	1	2.30	<2	7.11	<10
7799	3	6	1	6	5	6			2	1	2.60	<2	7.72	<10
7800	3	9	1	6	4	6			2	1	2.90	<2	6.94	15
7802	3	12	3	1	4	6			3	1	3.65	<2	7.24	10
7803	3	6	1	1	4	6			3	1	4.25	<2	6.78	<10
7805	3	11	1	6	4	6			3	1	2.70	<2	8.49	<10
7806	3	6	3	6	4	6			3	1	2.70	<2	7.86	<10
7807	3	6	1	6	4	6			3	1	1.90	<2	8.74	<10
7808	3	9	1	6	4	6			3	1	1.10	<2	8.81	<10
7809	3	6	1	6	4	6			3	1	1.90	2	8.46	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
7355	681	2	1.92	86	20	98	35	5.30	<15	1.78	43	41	0.86	893	<4
7356	719	2	2.27	69	17	80	23	4.95	<15	1.71	32	35	0.84	871	<4
7357	600	2	6.42	50	10	69	32	3.39	<15	1.47	23	38	0.75	419	<4
7358	640	3	1.19	88	9	36	27	2.84	16	2.26	40	35	0.49	654	<4
7359	710	3	1.83	60	8	22	17	2.23	<15	2.03	28	37	0.57	556	<4
7360	650	3	1.67	116	16	46	22	5.55	<15	1.78	53	30	0.41	1236	<4
7361	684	2	1.79	52	9	38	28	3.25	<15	1.84	25	35	0.78	543	<4
7362	480	1	18.78	35	6	24	19	1.84	<15	0.80	15	20	0.74	214	<4
7363	831	2	2.50	56	5	37	25	3.01	<15	1.63	25	26	0.91	1813	<4
7364	540	1	2.57	66	17	115	26	11.37	<15	1.06	29	17	0.79	1022	<4
7365	646	2	1.66	85	18	135	27	10.39	<15	1.53	38	20	0.79	897	<4
7366	767	2	1.91	64	14	86	24	6.12	<15	1.58	31	15	0.82	711	<4
7367	626	1	3.30	59	14	99	27	7.51	<15	1.07	27	17	0.86	831	<4
7368	740	2	2.98	61	13	75	32	4.94	<15	1.76	28	24	1.06	667	<4
7369	711	1	1.74	64	11	76	29	6.69	<15	1.53	30	21	0.67	691	<4
7370	794	1	2.57	68	12	59	41	5.90	<15	1.10	28	17	0.65	770	<4
7371	603	1	2.43	48	8	31	18	2.98	<15	1.20	21	20	0.59	493	<4
7372	1270	3	1.70	93	7	31	21	3.30	<15	2.91	39	35	0.44	742	<4
7373	926	2	1.34	92	7	36	13	3.43	<15	2.97	42	36	0.33	854	<4
7375	3088	3	2.25	67	9	34	32	2.74	<15	2.52	32	41	0.53	5535	<4
7376	1749	2	1.89	65	8	33	31	2.65	<15	2.30	32	42	0.56	1648	<4
7377	722	1	2.86	57	9	46	19	4.11	<15	1.72	32	26	0.80	576	<4
7379	672	2	4.11	57	9	50	22	4.59	<15	1.34	26	18	1.55	663	<4
7381	602	2	4.89	58	11	53	23	4.69	<15	1.16	25	19	1.10	694	<4
7382	558	2	6.18	67	8	46	26	4.49	<15	1.41	29	18	1.17	680	<4
7416	661	1	1.66	39	7	39	17	3.17	<15	1.23	18	17	0.50	428	<4
7421	833	2	5.37	48	5	20	23	1.77	<15	1.70	22	64	2.05	391	<4
7425	614	2	5.20	57	9	29	44	2.65	<15	1.81	26	37	1.99	659	<4
7426	618	1	10.08	39	<4	21	14	1.72	<15	1.39	19	26	1.79	358	<4
7427	580	1	8.14	45	5	25	19	1.83	<15	1.44	19	27	2.39	384	<4
7781	591	2	1.72	146	10	45	25	4.17	<15	1.91	63	32	0.40	952	<4
7782	496	4	1.52	78	6	31	25	2.27	<15	2.06	37	49	0.70	620	<4
7783	544	4	1.35	67	6	28	31	2.21	<15	1.69	33	60	0.72	377	<4
7784	658	4	2.56	84	6	18	20	2.00	<15	1.90	41	44	0.50	517	<4
7785	596	2	1.68	138	11	45	26	4.79	<15	1.82	58	31	0.46	1097	<4
7786	688	3	1.82	101	10	40	18	3.20	19	1.72	47	25	0.56	840	<4
7788	649	3	2.08	85	10	51	18	4.44	<15	1.60	38	35	0.61	958	<4
7789	640	3	1.48	54	8	29	37	2.72	<15	1.83	27	42	0.62	634	<4
7791	797	2	1.53	65	10	38	31	3.40	<15	1.72	32	31	0.62	817	<4
7792	793	2	1.59	51	8	33	23	2.90	15	1.89	24	30	0.55	677	<4
7793	767	2	1.70	52	7	26	26	2.28	<15	1.98	26	30	0.52	550	<4
7794	799	2	1.65	50	7	28	22	2.39	<15	2.01	25	25	0.50	551	<4
7795	720	2	1.94	67	8	33	19	2.44	<15	1.69	31	26	0.59	534	<4
7796	899	2	2.05	63	14	71	25	3.80	<15	1.87	28	35	0.72	731	<4
7797	778	2	1.55	69	14	98	30	5.73	<15	1.30	34	21	0.76	658	<4
7798	923	1	1.81	58	9	51	21	3.10	<15	1.59	29	19	0.66	492	<4
7799	782	2	1.13	54	8	36	36	2.83	<15	1.83	29	28	0.63	426	<4
7800	696	2	3.13	62	10	53	30	3.73	<15	1.73	32	30	0.68	523	<4
7802	817	2	1.71	62	10	49	21	3.20	<15	1.96	30	31	0.67	589	<4
7803	786	2	1.86	83	12	66	21	4.10	<15	1.77	39	26	0.64	734	<4
7805	942	2	2.07	59	8	23	35	2.49	16	2.07	31	20	0.72	510	<4
7806	861	1	2.91	51	15	76	36	4.82	26	1.26	24	21	1.35	746	<4
7807	947	1	3.10	42	13	54	22	3.71	<15	1.59	20	16	1.18	653	<4
7808	955	1	3.74	48	16	52	56	4.01	<15	1.21	20	15	1.62	645	<4
7809	885	2	2.99	62	17	42	47	4.28	47	1.29	25	22	1.40	783	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
7355	0.98	14	32	737	19	6	427	6	7270	166	19	97	109
7356	1.08	14	28	702	30	6	425	6	5936	137	19	97	100
7357	0.98	12	21	709	15	5	723	4	4087	109	12	92	79
7358	1.25	22	15	415	31	4	301	12	4334	71	20	74	99
7359	1.72	17	17	412	19	4	633	7	2976	49	17	58	112
7360	1.48	33	18	406	30	5	494	32	7144	144	28	134	108
7361	1.16	10	19	658	20	6	277	9	3351	79	13	74	65
7362	0.43	11	16	749	<10	3	399	4	1930	49	8	38	37
7363	1.41	9	18	669	42	5	355	11	3163	78	11	66	61
7364	0.78	13	31	759	28	5	198	3	8306	358	12	166	64
7365	1.32	14	39	676	16	7	290	2	6976	316	17	156	55
7366	1.65	13	26	520	29	7	379	9	5715	188	16	96	52
7367	1.06	14	31	493	25	6	386	9	6314	238	13	117	60
7368	1.35	10	25	778	23	7	307	5	4266	140	14	82	44
7369	1.33	10	25	809	26	6	285	7	5841	195	16	122	63
7370	0.98	12	13	792	42	6	269	7	6106	177	15	120	64
7371	1.09	9	12	497	19	5	412	2	3050	80	10	51	41
7372	1.26	26	18	432	32	4	215	5	4283	84	20	80	79
7373	1.53	36	11	289	24	4	228	7	5050	100	30	91	92
7375	1.28	18	17	415	269	6	275	11	3243	68	21	86	82
7376	1.16	18	17	442	107	6	231	15	3031	64	20	79	81
7377	2.40	13	21	734	13	8	689	2	5217	113	15	67	56
7379	1.71	18	25	730	208	6	414	4	6068	128	13	113	38
7381	1.50	15	24	825	50	7	372	6	6231	154	13	88	29
7382	1.22	51	26	518	70	5	290	12	6585	132	18	110	40
7416	1.28	6	19	511	<10	4	342	<2	4014	102	11	56	52
7421	1.13	11	11	543	14	4	1013	4	2432	63	13	47	47
7425	0.75	11	25	1242	19	6	413	9	2781	57	14	99	77
7426	0.96	12	8	484	<10	3	439	4	2569	50	12	41	40
7427	0.87	10	18	804	20	3	412	6	2597	48	11	52	52
7781	1.41	43	16	474	39	4	425	21	7065	120	36	110	129
7782	1.02	24	21	387	37	4	151	19	3110	52	23	78	143
7783	0.90	18	15	299	34	5	486	21	2760	44	20	64	117
7784	1.34	22	18	313	29	3	777	9	2863	51	22	59	95
7785	1.23	42	17	431	45	5	477	17	7365	130	32	126	135
7786	1.55	26	18	422	29	5	520	13	5035	91	26	83	128
7788	1.30	29	22	444	25	5	489	11	6032	125	26	105	110
7789	1.32	18	22	499	33	5	455	6	3849	67	18	102	126
7791	1.23	17	17	557	48	5	386	4	4703	99	17	96	106
7792	1.61	14	21	459	20	4	423	2	4189	82	15	76	96
7793	1.55	12	18	433	29	4	446	4	3387	63	12	60	96
7794	1.75	11	14	419	25	4	441	5	3470	69	12	59	92
7795	1.46	16	16	406	31	4	572	15	3503	69	17	57	95
7796	1.64	10	28	571	13	5	747	10	4992	119	15	69	94
7797	1.21	13	32	492	29	7	484	6	7503	203	16	92	97
7798	1.73	7	26	455	26	5	563	2	4118	101	11	56	76
7799	1.16	10	27	480	33	6	360	5	3491	68	15	69	98
7800	1.15	12	23	530	27	6	341	10	4590	106	15	76	86
7802	1.49	13	20	578	33	5	559	3	4601	93	15	68	104
7803	1.45	18	24	557	38	5	543	15	5770	130	19	79	105
7805	1.99	9	19	417	22	5	504	4	3364	67	14	56	80
7806	1.46	11	35	509	22	10	575	<2	6455	166	14	74	107
7807	2.03	8	19	506	21	8	675	2	4637	117	12	59	87
7808	1.59	7	37	797	20	8	713	3	4777	116	11	73	113
7809	1.56	12	20	696	42	8	638	9	5308	130	13	73	110

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
7816	M	35	32.652	107.934	2	15	02/29/76	13	21.0					
7817	H	35	32.657	107.911	2	14	02/29/76	14	21.0					
7818	M	35	32.652	107.880	2	11	02/29/76	15	23.0	20.0	C			
7825	H	35	32.635	107.298	2	14	03/06/76	10	18.0					
7826	H	35	32.631	107.311	2	96	03/06/76	11	20.0					
7827	H	35	32.632	107.288	2	96	03/06/76	11	20.0					
7828	M	35	32.593	107.261	2	15	03/06/76	11	20.0					
7830	M	35	32.581	107.279	2	15	03/06/76	13	20.0					
7832	M	35	32.554	107.306	2	15	03/06/76	13	20.0					
7834	H	35	32.627	107.362	2	96	03/06/76	15	28.0					
7837	M	35	32.656	107.369	2	15	03/06/76	16	27.0					
7839	H	35	32.609	107.366	2	14	03/06/76	16	26.0					
7840	M	35	32.547	107.341	2	15	03/07/76	10	16.0					
7841	M	35	32.566	107.357	2	15	03/07/76	11	18.0					
7842	H	35	32.568	107.416	2	96	03/07/76	11	20.0					
7843	M	35	32.546	107.412	2	15	03/07/76	12	20.0					
7844	M	35	32.511	107.404	2	15	03/07/76	12	20.0					
7846	M	35	32.502	107.423	2	15	03/07/76	13	23.0					
7847	H	35	32.543	107.402	2	14	03/07/76	13	19.0					
7850	M	35	32.607	107.388	2	15	03/07/76	14	16.0					
7851	M	35	32.635	107.383	2	15	03/07/76	15	16.0					
7939	M	35	32.073	107.686	2	15	02/23/76	10	11.0					
7944	M	35	32.100	107.651	2	15	02/23/76	11	13.0					
8516	M	35	32.871	107.977	2	12	04/03/76	10	15.0	12.0			9.4	280
8517	M	35	32.884	107.997	2	12	04/03/76	10	13.0	12.0			8.2	360
8518	M	35	32.885	107.987	2	12	04/03/76	10	12.0	12.0			7.6	340
8519	M	35	32.904	107.997	2	12	04/03/76	11	16.0	12.0			7.8	190
8614	M	35	32.819	107.894	2	15	04/09/76	12	20.0					
8615	M	35	32.837	107.891	2	15	04/09/76	12	21.0					
8616	M	35	32.873	107.877	2	12	04/09/76	13	21.0	15.5			8.4	218
8617	M	35	32.873	107.883	2	15	04/09/76	14	21.0					
8618	M	35	32.875	107.859	2	12	04/09/76	14	19.0	13.1			8.0	252
8619	M	35	32.893	107.843	2	12	04/09/76	15	19.0	10.9			7.3	250
8620	M	35	32.903	107.813	2	12	04/09/76	15	19.0	6.7			7.9	450
8622	M	35	32.921	107.814	2	12	04/09/76	16	14.0	8.6			7.5	110
8623	M	35	32.932	107.809	2	12	04/09/76	16	14.0	8.5			7.3	120
8624	M	35	32.892	107.863	2	12	04/09/76	18	16.0	14.1			8.2	482
8649	M	35	32.856	107.911	2	15	04/12/76	13	18.0					
8650	M	35	32.846	107.930	2	12	04/12/76	15	20.0	16.3			8.3	330
8653	M	35	32.975	107.966	2	12	04/12/76	17	17.0	10.4			7.3	92
8654	M	35	32.982	107.954	2	15	04/12/76	17	17.0					
8656	M	35	32.884	107.937	2	15	04/13/76	9	11.0					
8657	M	35	32.887	107.940	2	15	04/13/76	10	11.0					
8672	M	35	32.852	107.853	2	12	04/11/76	11	25.0	12.4			7.9	285
8673	M	35	32.847	107.854	2	15	04/11/76	12	27.0					
8674	M	35	32.851	107.854	2	15	04/11/76	13	28.0					
8676	M	35	32.744	107.888	2	15	04/10/76	14	26.0					
8677	M	35	32.734	107.876	2	15	04/11/76	15	28.0					
8678	M	35	32.783	107.872	2	12	04/11/76	15	31.0	14.6			7.8	330
8679	M	35	32.757	107.810	2	15	04/11/76	16	28.0					
8681	M	35	32.755	107.839	2	12	04/11/76	17	24.0	16.3			8.4	450
8682	M	35	32.764	107.834	2	12	04/11/76	18	22.0	16.2			8.2	470
8683	M	35	32.757	107.907	2	15	04/12/76	10	24.0					
8685	M	35	32.800	107.839	2	15	04/12/76	11	22.0					
8686	M	35	32.833	107.835	2	12	04/12/76	12	21.0	15.5			8.2	525

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELf	SKY	U	AG	AL	B
7816	3	11	1	6	4	6			4	1	3.30	<2	8.55	<10
7817	3	17	3	6	5	6			4	1	2.60	<2	8.21	12
7818	3	6	3	6	4	6	2	1	4	1	1.80	<2	7.69	<10
7825	3	11	1	6	5	6			2	2	2.40	<2	6.01	35
7826	3	12	1	6	5	6			2	2	2.50	<2	8.74	29
7827	3	8	1	6	4	6			2	2	2.60	<2	6.66	17
7828	3	9	3	7	4	6			3	2	3.20	<2	6.66	<10
7830	3	6	1	6	4	6			2	2	2.50	<2	7.71	12
7832	3	9	1	6	4	6			2	2	2.80	<2	8.94	28
7834	3	9	1	6	5	6			2	2	2.50	<2	7.02	21
7837	3	9	1	6	4	6			3	2	4.30	<2	6.08	<10
7839	3	12	1	6	5	6			2	2	2.50	<2	5.49	13
7840	3	9	1	6	4	6			2	1	2.50	<2	5.48	47
7841	3	9	1	6	5	6			2	1	2.80	<2	6.76	47
7842	3	9	1	6	5	6			3	1	2.30	<2	8.30	19
7843	3	6	1	6	4	6			2	1	2.40	<2	7.24	24
7844	3	9	1	6	4	6			2	1	2.60	<2	6.35	11
7846	3	12	3	7	4	6			3	1	2.70	<2	7.00	14
7847	3	9	1	6	5	6			2	2	2.60	<2	7.86	27
7850	3	9	3	6	4	6			3	2	1.70	<2	8.12	<10
7851	3	9	1	6	4	6			3	2	2.30	<2	7.89	16
7939	1	12	1	6	4	6			2	1	8.80	<2	5.63	<10
7944	1	15	1	6	2	6			3	1	5.00	<2	7.31	10
8516	2	18	1	7	4	7	3	2	3	1	2.50	<2	7.41	10
8517	2	9	1	7	4	7	1	2	3	1	2.30	<2	8.45	<10
8518	2	14	1	7	4	7	1	2	3	1	2.80	<2	7.95	<10
8519	1	14	1	7	4	7	3	1	3	1	4.00	<2	7.25	<10
8614	1	22	3	6	3	6			3	2	9.20	<2	6.87	<10
8615	1	22	3	6	3	6			4	2	3.40	<2	8.91	<10
8616	1	20	3	6	3	6	3	1	4	2	4.20	<2	8.55	<10
8617	1	13	3	6	3	6			4	2	3.60	<2	8.16	<10
8618	8	22	3	6	3	6	3	1	4	2	6.50	<2	7.18	<10
8619	8	31	3	6	3	6	2	1	4	2	4.40	<2	8.07	<10
8620	8	20	3	6	3	6	2	1	4	3	3.80	<2	6.67	10
8622	1	18	3	6	3	6	3	1	4	3	3.50	<2	8.76	<10
8623	1	24	3	6	5	8	3	1	4	2	10.50	<2	7.79	11
8624	1	9	3	6	3	6	2	1	4	2	4.70	<2	7.39	<10
8649	1	18	3	6	3	6			3	2	2.50	<2	8.31	<10
8650	1	9	3	6	3	6	2	1	3	2	5.20	<2	5.98	<10
8653	1	22	3	6	3	6	3	1	3	2	2.70	<2	8.45	<10
8654	1	9	3	6	3	6			3	2	2.30	<2	9.18	<10
8656	1	13	3	6	3	7			4	2	3.60	<2	7.81	11
8657	1	9	3	6	4	7			4	2	3.00	<2	8.52	11
8672	1	29	3	6	3	6	3	1	4	1	4.40	<2	8.16	<10
8673	1	16	3	6	3	6			4	1	4.20	<2	8.86	<10
8674	1	25	3	6	3	6			4	2	7.30	<2	8.02	<10
8676	7	16	3	6	3	6			3	2	2.40	<2	8.56	<10
8677	1	18	3	6	4	6			2	2	1.50	<2	8.39	<10
8678	1	9	3	6	3	6	2	1	4	2	6.60	<2	7.11	<10
8679	1	14	3	6	3	6			4	2	3.30	<2	7.11	<10
8681	1	28	3	6	4	3	3	1	4	2	6.10	<2	7.29	<10
8682	1	11	3	6	3	6	3	1	4	2	4.40	<2	7.57	<10
8683	1	14	3	6	3	6			3	2	2.50	<2	8.17	<10
8685	1	23	3	6	4	6			4	2	2.40	<2	7.81	<10
8686	1	21	3	7	3	6	3	1	4	2	3.50	<2	7.51	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
7816	977	2	1.72	91	9	34	43	2.91	23	2.11	44	14	0.63	569	<4
7817	830	2	1.59	54	8	32	90	2.86	<15	1.80	26	37	0.85	453	<4
7818	1024	1	5.00	54	14	29	65	2.93	<15	1.78	23	15	0.85	1376	<4
7825	644	2	6.30	51	6	31	20	2.46	<15	1.73	25	33	0.84	353	<4
7826	627	3	1.63	67	11	42	37	3.49	26	2.26	32	47	1.16	597	<4
7827	755	1	2.14	82	5	31	17	2.24	<15	1.81	42	20	0.53	334	<4
7828	734	2	1.90	130	11	68	16	4.70	<15	1.51	67	18	0.64	638	<4
7830	829	2	2.05	90	10	48	17	3.33	<15	1.84	45	21	0.69	546	<4
7832	658	2	1.30	74	13	47	34	3.71	<15	1.91	35	43	0.89	648	<4
7834	685	1	2.27	58	8	35	29	2.73	<15	1.92	28	30	0.70	487	<4
7837	632	2	1.08	69	9	58	19	4.39	<15	1.62	38	25	0.53	665	<4
7839	730	1	6.04	51	6	35	19	2.50	<15	1.57	26	25	0.53	343	<4
7840	750	1	8.12	42	7	28	20	2.07	<15	1.56	20	56	1.80	364	<4
7841	599	2	5.11	51	10	37	64	2.94	<15	1.86	23	50	1.58	554	<4
7842	792	2	1.60	56	11	39	41	3.11	44	1.91	27	35	0.82	526	<4
7843	739	2	2.67	57	10	42	88	3.10	<15	1.74	28	30	0.70	444	<4
7844	779	2	1.63	60	9	56	20	3.18	<15	1.72	30	21	0.66	546	<4
7846	717	2	2.28	79	14	73	27	5.35	<15	1.46	38	22	0.81	729	<4
7847	722	2	2.05	60	11	38	32	3.24	<15	1.61	29	37	0.99	562	<4
7850	789	1	1.78	51	10	54	33	2.81	<15	1.73	24	17	0.71	460	<4
7851	726	2	1.20	60	9	31	22	2.53	<15	1.85	29	29	0.61	531	<4
7939	424	4	1.29	217	11	110	27	14.72	<15	1.70	103	13	0.64	2455	<4
7944	772	3	0.92	194	4	14	18	4.74	<15	2.71	96	17	0.41	1592	<4
8516	854	2	2.70	79	12	50	25	4.34	19	1.48	40	14	0.76	677	<4
8517	1012	2	2.24	61	6	25	17	2.05	<15	2.08	20	13	0.62	391	<4
8518	913	2	2.38	78	10	64	39	3.56	21	1.92	38	14	0.82	590	<4
8519	794	1	2.11	123	14	135	25	5.86	16	1.56	59	13	1.09	812	<4
8614	701	2	1.29	134	20	48	19	9.55	<15	1.52	69	18	0.51	1815	<4
8615	908	2	1.70	70	11	35	35	3.27	<15	1.92	33	22	0.62	822	<4
8616	847	2	2.10	67	12	41	22	4.02	<15	1.85	24	23	0.90	769	<4
8617	805	2	2.31	80	14	45	38	4.33	<15	1.54	38	29	1.33	917	<4
8618	746	2	1.76	82	12	50	20	5.37	<15	1.58	43	18	0.58	934	<4
8619	742	2	2.41	62	17	79	28	5.27	21	1.37	54	18	1.00	826	<4
8620	616	2	5.92	55	9	36	33	3.02	33	1.36	27	20	0.74	616	<4
8622	872	2	1.69	55	7	22	28	2.70	<15	2.11	27	20	0.48	626	<4
8623	627	5	1.48	70	5	16	53	2.03	<15	1.82	47	34	0.53	966	<4
8624	694	2	5.02	78	11	36	47	3.58	38	1.88	38	26	0.91	685	<4
8649	804	2	1.97	81	12	38	36	3.48	<15	1.62	28	19	1.00	734	<4
8650	625	2	3.17	175	16	74	38	7.86	15	1.37	86	15	0.65	1440	<4
8653	856	2	2.11	86	14	77	27	3.77	17	1.72	41	15	0.93	632	<4
8654	974	2	2.25	67	13	70	29	4.01	<15	1.91	33	15	0.93	616	<4
8656	670	2	1.25	151	8	32	65	3.79	<15	2.45	76	20	0.59	935	4
8657	706	2	1.54	78	7	30	28	2.18	20	2.43	36	18	0.63	540	<4
8672	793	2	1.85	77	8	30	18	3.31	<15	2.14	35	23	0.62	632	<4
8673	545	3	1.63	82	8	12	29	3.24	<15	1.73	33	19	0.57	767	<4
8674	885	3	1.50	112	8	15	37	4.19	<15	1.84	57	20	0.47	911	4
8676	1149	2	1.76	84	13	44	51	3.47	<15	2.08	33	16	0.61	699	<4
8677	1144	2	1.50	77	11	28	69	4.03	<15	1.80	36	15	0.48	666	<4
8678	732	2	1.48	110	14	42	25	6.93	<15	1.96	59	20	0.44	1405	<4
8679	663	2	2.18	79	28	101	36	8.82	17	1.27	35	18	1.31	1267	<4
8681	689	3	1.69	70	6	21	18	2.66	<15	2.03	31	23	0.49	1308	<4
8682	771	3	2.28	61	4	22	39	2.14	<15	2.15	28	25	0.54	1483	<4
8683	534	2	1.82	82	18	41	57	3.73	<15	1.97	36	19	0.92	723	<4
8685	908	2	1.59	55	9	26	32	2.33	<15	1.64	29	18	0.73	459	<4
8686	843	2	4.34	58	5	14	25	2.13	<15	2.05	20	22	0.74	682	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
7816	2.14	13	15	557	36	5	443	16	4496	84	17	59	87
7817	1.45	10	14	443	16	6	395	6	3954	73	14	64	104
7818	1.72	10	26	903	28	5	599	8	3650	84	11	63	87
7825	1.02	11	15	554	20	5	322	9	3020	67	14	58	63
7826	0.60	13	33	1138	26	8	179	10	3542	74	19	101	109
7827	1.59	10	16	397	26	5	354	12	3281	63	18	58	54
7828	1.62	14	24	281	25	6	341	10	6867	157	24	88	73
7830	1.94	12	23	476	33	6	385	9	4518	94	20	67	81
7832	0.97	11	37	545	32	10	260	6	3924	78	20	84	116
7834	1.20	10	22	896	20	5	328	9	3784	72	14	80	82
7837	1.24	17	24	272	27	5	264	14	6982	143	17	81	82
7839	1.01	10	18	432	14	4	303	6	3585	78	12	53	60
7840	1.05	10	18	432	20	5	1036	8	2436	78	12	48	68
7841	0.80	9	29	907	55	7	545	4	3081	72	15	121	85
7842	1.23	11	27	701	29	7	313	8	3883	71	16	77	101
7843	1.21	9	21	441	40	6	303	8	3774	80	15	125	73
7844	1.47	11	21	472	16	5	363	9	4743	97	15	64	72
7846	1.26	13	37	512	26	7	329	6	6948	156	20	101	92
7847	0.89	10	23	644	32	8	318	6	3654	75	17	82	107
7850	1.87	9	27	519	18	6	480	<2	3775	79	13	61	110
7851	1.39	10	18	417	14	6	326	5	3418	60	15	58	87
7939	1.81	262	33	451	<10	7	199	7	35659	468	40	199	49
7944	1.94	80	6	2184	20	6	177	2	7590	51	34	220	41
8516	1.74	11	29	540	50	6	444	10	5130	130	15	93	84
8517	2.47	9	16	503	25	4	488	8	2879	52	12	45	89
8518	2.39	12	24	577	20	6	459	18	4979	102	17	76	85
8519	2.05	19	38	536	14	8	429	6	8432	177	26	112	95
8614	1.69	37	20	451	29	6	298	27	14315	268	22	173	74
8615	2.28	17	27	506	19	5	368	7	5482	82	19	68	66
8616	2.06	15	18	621	26	6	456	8	5942	121	15	75	77
8617	1.53	15	25	756	31	7	507	11	6143	129	16	84	97
8618	1.59	24	23	526	33	5	347	12	8329	158	16	105	71
8619	1.43	12	26	824	28	8	508	22	7064	177	14	90	115
8620	1.23	9	18	634	32	5	325	11	2911	78	11	68	59
8622	2.04	11	12	537	24	4	470	7	4180	64	13	66	80
8623	1.27	8	11	782	31	5	255	10	2345	43	28	71	57
8624	1.66	17	21	696	26	5	431	11	5146	110	13	85	84
8649	1.51	15	28	599	33	6	424	13	4751	83	18	68	88
8650	1.52	31	26	506	25	7	321	14	11671	230	35	168	78
8653	2.03	12	33	545	16	7	477	9	5248	107	15	77	136
8654	2.36	10	28	655	15	6	535	7	5448	116	13	79	129
8656	2.15	15	18	426	27	6	243	10	4289	82	24	106	87
8657	2.54	13	26	372	21	5	300	11	2970	52	15	56	89
8672	2.03	18	14	588	17	4	360	11	5002	92	16	68	63
8673	2.23	21	7	809	31	4	362	11	6485	82	20	68	45
8674	1.94	33	9	489	36	5	348	19	9768	108	22	78	53
8676	1.83	11	19	454	26	5	493	4	4886	93	17	81	194
8677	1.78	14	11	405	28	5	448	2	7621	100	16	98	180
8678	2.07	33	17	535	29	5	321	15	11611	199	18	143	62
8679	1.05	16	41	752	33	8	463	12	10490	304	18	142	118
8681	2.13	27	10	544	158	3	359	9	4037	66	16	335	82
8682	2.48	20	10	587	104	3	402	7	3166	52	16	314	64
8683	1.43	11	32	734	28	7	459	9	5108	100	15	77	151
8685	1.64	11	16	458	29	4	618	8	3197	53	11	61	96
8686	1.92	13	18	457	54	3	306	9	3326	51	12	120	37

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
8688	M	35	32.871	107.813	2	12	04/12/76	13	19.0	11.0	C		7.8	625
8689	M	35	32.866	107.843	2	15	04/12/76	14	17.0		C			
8690	M	35	32.829	107.816	2	12	04/12/76	16	22.0	13.2	C		8.1	550
8691	M	35	32.826	107.798	2	12	04/12/76	17	21.0	13.8	C		8.0	495
8692	M	35	32.809	107.766	2	15	04/12/76	17	14.0		C			
8694	M	35	32.693	107.846	2	15	04/13/76	10	19.0					
8696	M	35	32.694	107.813	2	15	04/14/76	9	14.0					
8697	M	35	32.706	107.815	2	15	04/14/76	9	14.0					
8698	M	35	32.706	107.792	2	15	04/14/76	9	14.0					
8699	M	35	32.700	107.766	2	15	04/14/76	10	15.0					
8700	M	35	32.696	107.764	2	15	04/14/76	10	14.0					
8701	M	35	32.701	107.763	2	15	04/14/76	10	13.0		C			
8702	M	35	32.702	107.841	2	15	04/14/76	11	11.0					
8704	M	35	32.710	107.850	2	15	04/14/76	11	15.0					
8705	M	35	32.774	107.913	2	15	04/14/76	12	16.0					
8707	M	35	32.788	107.932	2	15	04/14/76	13	18.0					
8708	H	35	32.760	107.946	2	14	04/14/76	13	16.0		C			
8711	M	35	32.746	107.996	2	15	04/14/76	14	15.0					
8720	M	35	32.991	107.894	2	15	04/13/76	17	16.0					
8721	M	35	32.988	107.896	2	12	04/13/76	17	15.0	5.8			7.7	110
8722	M	35	32.992	107.927	2	12	04/13/76	18	15.0	5.1			7.4	105
8723	M	35	32.943	107.979	2	12	04/13/76	18	15.0	6.8			7.3	100
8727	M	35	32.741	107.649	2	15	04/14/76	10	16.0		C			
8728	M	35	32.761	107.668	2	12	04/14/76	10	16.0	10.0	C		8.0	300
8729	M	35	32.770	107.675	2	15	04/14/76	10	12.0		C			
8730	H	35	32.722	107.648	2	14	04/14/76	10	12.0					
8731	M	35	32.703	107.639	2	15	04/14/76	13	15.0					
8732	M	35	32.695	107.630	2	15	04/14/76	13	13.0					
8733	M	35	32.708	107.650	2	15	04/14/76	13	13.0					
8734	M	35	32.714	107.651	2	15	04/14/76	13	13.0					
8737	M	35	32.775	107.553	2	15	04/14/76	14	13.0					
8739	M	35	32.784	107.534	2	12	04/14/76	15	13.0	14.0			8.4	500
8740	M	35	32.785	107.558	2	12	04/14/76	15	13.0	14.0			8.4	500
8742	M	35	32.879	107.537	2	15	04/14/76	16	13.0		C			
8743	M	35	32.849	107.536	2	15	04/14/76	16	13.0		C			
8746	M	35	32.822	107.526	2	15	04/14/76	16	13.0		C			
8747	M	35	32.792	107.538	2	11	04/14/76	16	12.0	14.0			8.2	500
8749	M	35	32.754	107.521	2	15	04/14/76	17	15.0		C			
8750	H	35	32.732	107.536	2	14	04/14/76	18	14.0		C			
8751	M	35	32.714	107.526	2	15	04/14/76	18	14.0		C			
8752	M	35	32.701	107.563	2	15	04/14/76	17	13.0					
8753	M	35	32.694	107.591	2	15	04/14/76	17	13.0					
8776	M	35	32.735	107.983	2	15	04/14/76	15	12.0					
8784	M	35	32.775	107.995	2	15	04/14/76	18	10.0					
9701	M	35	32.849	107.671	2	15	05/08/76	8	12.0					
9702	M	35	32.831	107.670	2	15	05/08/76	8	12.0					
9703	M	35	32.833	107.709	2	15	05/08/76	8	11.0					
9704	M	35	32.833	107.619	2	12	05/08/76	9	11.0	7.4			8.1	550
9705	M	35	32.829	107.615	2	12	05/08/76	9	11.0	7.2			8.0	460
9706	H	35	32.819	107.599	2	13	05/08/76	9	10.0					
9707	M	35	32.775	107.623	2	15	05/08/76	10	12.0					
9708	M	35	32.788	107.602	2	15	05/08/76	10	12.0					
9709	M	35	32.791	107.599	2	11	05/08/76	10	12.0	11.5			8.2	490
9710	M	35	32.837	107.586	2	15	05/08/76	11	13.0					
9712	M	35	32.917	107.687	2	15	05/08/76	13	12.0					

Table 7, Continued
DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
8688	1	21	3	7					4	2	5.10	<2	6.23	<10
8689	1	16	3	7	3	6			4	2	4.60	<2	7.13	16
8690	1	25	3	6	3	6	2	1	4	2	6.90	<2	7.19	<10
8691	1	21	3	7	3	6	3	1	4	2	5.40	7	5.37	<10
8692	1	9	3	6	3	6			4	2	3.40	<2	6.38	<10
8694	1	11	3	6	3	6			4	2	2.00	<2	7.36	<10
8696	1	35	3	6	3	6			4	3	5.80	<2	6.04	<10
8697	1	25	3	6	3	6			4	3	6.50	<2	4.86	<10
8698	1	44	3	6	3	6			4	3	10.60	<2	5.05	<10
8699	1	30	3	6	3	6			4	3	7.40	<2	6.30	<10
8700	1	42	3	6	3	6			4	3	5.50	<2	5.85	<10
8701	1	23	3	6	3	6			4	3	5.20	<2	6.18	<10
8702	1	21	3	6	3	6			3	3	4.40	<2	6.08	<10
8704	1	16	3	6	3	6			3	3	1.50	<2	7.89	<10
8705	1	16	3	6	3	6			3	3	3.10	<2	5.77	<10
8707	1	9	3	6	3	7			4	3	3.10	<2	2.04	<10
8708	1	25	3	7	5	6			3	3	2.70	<2	4.19	46
8711	1	14	3	6	3	6			3	3	3.30	<2	4.96	11
8720	1	13	3	6	4	7			4	2	3.30	<2	7.27	<10
8721	1	13	3	6	4	6	3	1	4	2	4.40	<2	7.07	<10
8722	1	9	3	6	4	6	3	1	4	2	2.80	<2	6.96	<10
8723	1	9	3	6	4	6	2	1	4	2	2.90	<2	6.78	<10
8727	1	14	4	6	3	7			4	4	3.60	<2	6.30	<10
8728		8	4	6	3	6	3	1	3	4	3.70	<2	5.64	<10
8729	1	17	4	6	3	6			4	3	3.10	<2	5.73	13
8730	1	14	4		4	6			3	3	3.30	<2	5.99	<10
8731	1	17	3	6	3	6			4	3	5.00	<2	6.10	<10
8732	1	17	3	6	3	6			4	3	6.30	<2	5.52	<10
8733	1	11	3	6	3	6			4	3	3.10	<2	5.39	<10
8734	1	20	3	6	3	6			4	3	4.40	<2	6.34	<10
8737	1	23	3	6	3	6			3	3	4.40	<2	5.96	<10
8739	1	11	3	6	3	6	3	1	3	3	1.80	<2	6.23	<10
8740	1	2	3	6	3	6	3	1	3	3	2.40	<2	5.74	<10
8742	1	23	4		3	6			2	2	3.70	<2	5.74	<10
8743	1	14	4		3	6			2	2	3.30	<2	6.28	<10
8746	1	14	4		3	6			2	2	3.20	<2	6.65	14
8747	1	11	4		3	6	2	1	2	2	4.50	<2	5.57	<10
8749	1	7	4		3	6			2	2	3.60	<2	6.31	<10
8750	1	7	4		5	6			2	2	2.30	<2	5.38	<10
8751	1	11	4		3	6			2	2	2.30	<2	2.81	12
8752	1	11	1	6	3	6			2	2	2.50	<2	7.01	18
8753	1	14	1	6	3	6			2	2	2.10	<2	7.02	17
8776	1	18	3	6	3	6			4	3	4.50	<2	5.02	<10
8784	1	19	3	1	3	6			3	2	3.10	<2	5.16	32
9701	1	23	3	6	3	6			4	3	4.80	<2	5.78	<10
9702	1	23	3	6	4	6			4	3	3.00	<2	6.67	<10
9703	1	18	3	6	4	6			4	3	3.20	<2	6.99	<10
9704	1	4	3	4	4	6	2	1	4	3	1.60	<2	6.41	<10
9705	1	14	3	4	4	6	2	1	4	3	1.90	<2	4.87	<10
9706	1	19	3	6	4	6			4	3	2.30	<2	6.84	12
9707	1	9	3	6	4	6			4	3	2.40	<2	6.02	13
9708	1	9	3	6	3	6			3	3	2.60	<2	4.78	24
9709	1	9	3	6	4	6	2	1	3	3	2.40	<2	5.21	17
9710	1	23	3	1	4	6			4	3	3.60	<2	6.06	11
9712	1	18	3	6	4	6			3	3	3.00	<2	6.13	36

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
8688	491	2	5.24	52	5	31	29	2.62	<15	1.93	27	25	1.11	764	<4
8689	512	2	2.42	74	8	37	76	2.46	<15	1.86	35	35	0.69	954	<4
8690	726	2	2.08	98	13	26	19	5.32	<15	1.87	47	21	0.65	1250	<4
8691	503	2	7.00	52	18	33	146	4.18	54	1.11	24	21	2.04	10088	55
8692	552	3	2.90	58	13	93	42	4.37	<15	1.21	29	25	1.07	643	<4
8694	769	2	2.11	58	12	48	53	3.32	<15	1.50	28	17	0.82	635	<4
8696	502	3	0.99	73	7	46	38	2.81	<15	1.84	38	28	0.35	639	<4
8697	399	3	0.86	44	5	52	38	2.89	<15	1.74	17	28	0.20	581	<4
8698	359	4	1.15	107	6	63	34	3.77	<15	1.52	46	35	0.33	1013	<4
8699	472	3	1.11	98	7	56	59	3.46	<15	1.75	44	31	0.44	766	<4
8700	513	3	1.02	58	6	54	35	3.28	<15	1.71	36	24	0.29	617	<4
8701	486	3	1.07	70	6	45	33	2.20	<15	1.89	32	32	0.38	505	<4
8702	460	3	1.09	50	5	35	26	2.17	18	1.72	24	28	0.45	446	<4
8704	737	2	2.64	76	23	167	91	5.34	<15	1.08	32	16	1.20	811	<4
8705	678	2	2.02	46	13	68	50	4.12	<15	1.61	20	15	0.70	751	<4
8707	229	1	10.05	44	6	37	91	3.35	<15	0.53	16	13	3.25	1278	<4
8708	260	2	5.37	37	5	53	42	2.13	<15	1.29	16	21	0.81	397	<4
8711	481	2	4.03	50	20	161	95	7.53	<15	0.68	21	17	0.96	916	<4
8720	623	2	1.38	66	6	38	18	2.08	<15	1.68	35	14	0.62	504	<4
8721	591	2	1.27	67	7	54	13	3.43	<15	1.74	35	18	0.52	656	<4
8722	749	2	1.85	83	13	141	23	4.31	<15	1.46	40	15	0.93	617	<4
8723	720	2	1.80	85	14	170	24	4.88	<15	1.38	43	14	0.87	625	<4
8727	508	2	1.72	51	6	34	21	2.16	<15	1.82	27	28	0.64	508	<4
8728	472	2	2.04	32	4	32	27	1.95	<15	1.65	19	25	0.47	458	<4
8729	567	2	0.87	52	8	46	43	2.61	<15	1.73	27	40	0.55	597	<4
8730	559	2	1.06	41	9	43	29	3.10	<15	1.78	19	44	0.58	420	<4
8731	429	3	1.10	85	10	58	20	3.95	<15	1.94	41	38	0.43	698	<4
8732	433	3	1.06	105	15	96	27	6.32	<15	1.60	50	32	0.46	948	<4
8733	488	2	1.07	54	7	44	27	1.98	<15	1.86	27	32	0.45	531	<4
8734	401	3	1.13	77	8	48	16	2.41	<15	2.00	36	40	0.42	587	<4
8737	538	2	1.30	80	6	36	18	2.22	<15	1.81	36	28	0.49	500	<4
8739	657	1	4.93	28	5	37	18	1.95	<15	1.22	18	18	0.61	310	<4
8740	585	1	4.82	99	10	88	19	4.50	<15	1.06	28	17	0.81	564	<4
8742	588	2	0.94	51	5	45	22	3.07	<15	1.69	24	27	0.37	482	<4
8743	604	2	1.11	62	9	44	14	2.70	<15	1.79	31	20	0.44	512	<4
8746	631	2	0.96	67	10	48	27	3.10	<15	1.48	33	23	0.52	534	<4
8747	635	2	3.29	87	17	69	23	7.16	<15	1.38	43	18	0.51	1160	<4
8749	616	2	2.02	57	8	54	20	3.20	<15	1.79	30	33	0.74	527	<4
8750	639	1	3.90	39	13	77	23	3.07	<15	1.13	15	22	0.66	367	<4
8751	255	1	7.90	31	6	28	15	1.48	<15	0.63	14	13	1.61	350	<4
8752	612	2	2.25	61	10	48	42	3.15	<15	1.60	28	33	0.75	743	<4
8753	680	2	1.78	53	11	70	35	3.83	<15	1.40	26	35	0.79	506	<4
8776	541	2	2.69	94	37	265	76	16.77	<15	0.70	35	10	1.23	1647	<4
8784	387	2	5.61	31	6	43	58	2.36	<15	1.47	15	21	0.91	482	<4
9701	523	2	2.61	77	13	168	29	9.00	<15	1.05	40	19	0.91	677	<4
9702	587	2	1.69	61	12	96	25	4.93	<15	1.20	32	22	0.91	507	<4
9703	1364	2	1.26	166	6	49	16	3.25	<15	2.02	88	17	0.51	561	<4
9704	762	1	2.56	52	14	118	26	5.02	<15	1.07	24	16	1.01	598	<4
9705	508	1	6.96	43	11	118	29	4.04	<15	0.85	19	19	0.64	500	<4
9706	758	2	1.28	52	7	24	29	2.62	<15	1.76	26	19	0.42	453	<4
9707	552	1	3.50	54	9	89	27	3.45	<15	1.14	27	25	0.87	466	<4
9708	357	1	7.91	45	6	77	23	2.39	<15	1.05	26	26	0.73	327	<4
9709	472	1	6.40	44	9	69	20	2.60	<15	0.87	22	21	0.89	401	<4
9710	410	3	2.00	87	8	63	22	3.28	<15	1.50	40	25	0.68	694	<4
9712	369	2	0.53	66	10	75	28	3.02	<15	1.19	30	38	0.77	562	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
8688	1.28	15	14	392	55	4	190	10	2942	64	14	152	44
8689	1.17	11	19	607	41	5	229	12	2937	63	18	88	40
8690	2.04	34	16	627	72	5	319	10	10037	145	19	161	55
8691	1.14	15	25	1243	9691	4	277	2	4493	82	11	12668	30
8692	1.33	11	37	532	23	9	379	6	4224	122	15	111	84
8694	1.64	10	25	704	26	7	518	9	4008	87	14	75	112
8696	1.77	29	13	291	20	5	239	13	4084	72	21	91	87
8697	1.62	44	16	269	15	3	162	7	4370	78	10	69	104
8698	1.51	69	20	323	31	6	207	21	5678	96	38	119	156
8699	1.63	36	23	421	31	6	283	16	4598	85	29	99	125
8700	1.73	28	18	254	26	4	253	14	4212	85	20	75	89
8701	1.80	27	16	361	25	4	287	13	3059	52	20	70	106
8702	1.94	25	17	330	27	5	303	12	2754	53	15	66	99
8704	1.42	10	72	1216	18	13	583	<2	6764	129	21	79	152
8705	1.48	16	29	742	33	5	326	7	6312	118	10	91	114
8707	0.21	16	19	1064	237	3	81	4	2796	94	11	290	32
8708	0.25	17	24	447	28	6	122	4	2636	73	16	152	70
8711	0.69	15	43	667	23	9	335	<2	8232	255	15	112	90
8720	1.93	17	14	422	30	5	356	17	2997	45	19	50	85
8721	2.24	22	19	354	14	5	322	14	4926	78	19	66	61
8722	1.95	17	37	506	16	8	436	9	5914	116	21	77	113
8723	1.82	18	37	526	21	8	435	11	6772	142	20	89	124
8727	1.55	17	15	413	19	4	288	17	2962	54	12	46	89
8728	1.35	23	17	420	18	3	250	8	2785	50	9	45	85
8729	0.95	15	23	792	16	6	232	4	3779	63	15	61	119
8730	1.17	13	22	580	12	6	374	<2	3960	81	10	51	101
8731	1.49	25	20	347	25	5	306	16	5045	108	20	68	89
8732	1.29	29	30	488	24	6	289	37	7828	183	28	95	105
8733	1.42	16	20	327	19	4	323	11	2963	50	13	44	96
8734	1.67	25	20	432	23	5	289	15	3494	66	24	44	79
8737	1.49	25	18	357	15	4	306	11	3723	55	24	41	77
8739	1.68	8	19	390	<10	4	489	2	2502	51	10	47	61
8740	1.34	15	29	599	21	7	411	6	5417	133	15	74	74
8742	1.44	21	19	369	27	4	265	5	4092	82	12	56	88
8743	1.61	15	24	459	26	4	304	11	3516	67	15	51	105
8746	1.20	14	25	341	16	6	267	9	3985	71	19	61	108
8747	1.37	21	27	689	26	6	353	7	7845	208	19	117	99
8749	1.64	15	22	482	21	5	352	11	4253	86	14	57	86
8750	1.34	10	32	638	16	5	419	4	4213	74	7	51	73
8751	0.31	<4	18	485	10	4	181	3	543	41	8	50	12
8752	1.02	12	25	523	36	7	276	7	3670	75	17	87	91
8753	1.14	12	31	577	22	8	321	6	4591	92	14	71	100
8776	1.10	22	63	764	10	15	406	<2	20278	595	19	198	107
8784	0.66	11	22	445	18	6	235	<2	2193	60	14	66	50
9701	1.19	21	34	755	24	10	354	4	8493	227	17	102	83
9702	1.52	13	30	687	21	8	352	7	5443	130	13	67	81
9703	1.86	18	19	583	32	8	229	6	4658	72	37	63	85
9704	1.61	12	39	646	14	10	538	<2	6110	156	13	80	111
9705	1.03	12	36	667	14	6	359	<2	4972	130	12	74	88
9706	1.60	11	9	679	14	6	372	4	4062	64	14	70	102
9707	1.24	10	32	634	21	8	362	7	4569	100	16	68	80
9708	0.60	11	30	526	10	6	199	4	2682	69	17	67	53
9709	0.74	12	32	604	15	7	321	7	3145	69	16	58	77
9710	1.44	22	23	437	28	6	270	14	4191	87	24	73	92
9712	0.55	11	32	356	25	8	93	8	3127	73	19	62	66

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MCAS	PH	CT-F
9713	M	35	32.916	107.714	2	15	05/08/76	13	13.0					
9714	M	35	32.919	107.714	2	15	05/08/76	13	13.0					
9715	M	35	32.944	107.701	2	11	05/08/76	14	13.0	8.1			7.2	500
9716	M	35	32.943	107.705	2	15	05/08/76	14	13.0					
9717	M	35	32.971	107.695	2	15	05/08/76	14	13.0					
9718	M	35	32.987	107.752	2	12	05/08/76	13	13.0	7.6			8.2	330
9719	M	35	32.982	107.722	2	11	05/08/76	15	13.0	7.8			7.9	485
9720	M	35	32.976	107.695	2	12	05/08/76	15	13.0	8.2			8.2	460
9721	M	35	32.918	107.664	2	15	05/08/76	16	13.0					
9722	M	35	32.924	107.626	2	15	05/08/76	16	14.0					
9723	M	35	32.929	107.584	2	15	05/08/76	16	14.0					
9725	M	35	32.895	107.639	2	15	05/08/76	17	15.0					
9726	M	35	32.894	107.625	2	15	05/08/76	17	15.0					
9728	M	35	32.873	107.667	2	15	05/08/76	18	15.0					
9729	M	35	32.877	107.667	2	12	05/08/76	18	15.0	9.9			8.0	485
9730	M	35	32.897	107.677	2	11	05/08/76	18	15.0	10.2			8.2	495
9731	M	35	32.881	107.612	2	12	05/08/76	18	14.0	10.8			8.0	475
9781	M	35	32.934	107.562	2	15	05/09/76	8						
9782	H	35	32.932	107.577	2	14	05/09/76	9	18.0		C			
9890	M	35	32.986	107.797	2	12	06/10/76	16	23.0	17.0	C		7.8	105
9891	M	35	32.985	107.799	2	12	06/10/76	16	24.0	17.0			7.9	102
9892	M	35	32.990	107.801	2	12	06/10/76	18	17.0	15.5			7.7	120
9910	M	35	32.999	107.941	2	15	06/13/76	16	30.0		C			
32524	M	35	33.000	106.640	2	15	02/13/77	11	15.0		C			
32752	M	35	32.145	106.747	2	15	06/16/77	14	39.0					
32753	M	35	32.504	106.991	2	15	06/18/77	9	32.0		C			
32755	M	35	32.578	107.006	2	15	06/18/77	9	35.0					
32756	M	35	32.592	107.019	2	15	06/18/77	11	36.0		C			
32758	M	35	32.619	107.030	2	15	06/18/77	10	38.0		C			
32760	M	35	32.615	107.024	2	15	06/18/77	11	37.0					
32761	M	35	32.553	107.085	2	15	06/18/77	11	38.0		C			
32763	M	35	32.540	107.112	2	15	06/18/77	12	38.0		C			
32765	M	35	32.513	107.046	2	15	06/18/77	13	42.0		C			
32766	M	35	32.515	107.046	2	15	06/18/77	14	42.0		C			
32767	M	35	32.508	107.078	2	15	06/18/77	14	42.0		C			
32768	M	35	32.514	107.041	2	15	06/18/77	15	42.0		C			
32769	M	35	32.540	107.007	2	15	06/18/77	16	42.0		C			
32771	M	35	32.627	107.046	2	15	06/18/77	17	43.0		C			
32772	M	35	32.634	107.074	2	15	06/18/77	17	41.0		C			
32773	M	35	32.639	107.093	2	15	06/18/77	17	41.0		C			
32779	M	35	32.639	107.201	2	15	06/26/77	8	30.0					
32781	M	35	32.654	107.177	2	15	06/26/77	10	32.0		C			
32787	M	35	32.575	107.132	2	15	06/26/77	13	38.0		C			
32789	M	35	32.574	107.115	2	15	06/26/77	14	39.0		C			
32790	M	35	32.606	107.211	2	15	06/26/77	15	40.0		C			
32791	M	35	32.579	107.222	2	11	06/26/77	17	37.0		C			
32792	M	35	32.582	107.220	2	15	06/26/77	17	37.0					
32793	M	35	32.566	107.244	2	15	06/26/77	17	39.0					
32794	M	35	32.556	107.235	2	15	06/26/77	17	37.0					
32796	M	35	32.547	107.229	2	15	06/26/77	18	34.0					
32797	M	35	32.616	107.243	2	15	06/26/77	18	29.0		C			
32798	M	35	32.666	107.196	2	15	06/26/77	19	29.0		C			
32810	M	35	32.864	107.320	2	15	07/23/77	14	27.0		C			
32826	H	35	32.640	107.261	2	56	06/17/77	10	33.0					
32828	H	35	32.646	107.298	2	57	06/17/77	11	35.0		C			

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
9713	7	14	3	6	4	4			4	3	4.20	<2	5.62	17
9714	7	14	3	6	4	6			4	3	3.50	2	5.65	29
9715	1	23	3	7	3	7	2	1	4	3	3.60	<2	5.60	11
9716	1	23	3	7	3	7			4	2	5.50	3	4.32	<10
9717	1	23	3	7	4	6			4	2	5.30	<2	4.72	<10
9718	1	14	3	7	3	7	2	1	3	2	4.50	5	6.58	<10
9719	1	23	3	1	5	8	2	1	4	2	2.40	2	6.40	18
9720	1	9	3	6	4	6	3	1	4	2	7.60	17	5.16	<10
9721	1	23	3	3	4	6			4	2	2.80	<2	5.64	<10
9722	1	28	3	6	4	6			4	2	3.90	<2	5.02	13
9723	1	23	3	7	3	7			3	2	4.00	<2	3.55	<10
9725	1	23	3	6	4	6			4	2	2.60	<2	4.62	<10
9726	1	14	3	6	3	6			4	2	2.80	<2	2.94	17
9728	1	9	3	6	4	6			4	2	4.00	<2	3.54	<10
9729	1	14	3	6	4	6	2	1	4	2	2.30	<2	4.74	<10
9730	1	16	3	6	4	6	2	1	4	2	4.10	<2	5.50	12
9731	1	18	3	6	4	6	3	1	4	2	3.20	<2	6.07	<10
9781	1	18	3	7	4	6			3	1	3.80	<2	6.21	13
9782	1	23	3	6	4	7			3	1	4.00	<2	6.03	14
9890	1	8	3	4	1	3	4	1	5	1	3.10	<2	7.20	<10
9891	1	11	3	4	3	1	2	1	5	1	4.10	<2	7.27	<10
9892	1	19	3	4	3	6	3	1	5	1	4.00	<2	8.16	<10
9910	1	8	4		3	6			4	1	2.50	<2	8.32	<10
32524	1	15	1	6	5	6			1	1	2.60	<2	6.92	24
32752	1	6	4		4	7			3	1	3.30	<2	4.55	<10
32753	9	30	3	9	4	7			3	1	3.20	<2	6.18	<10
32755	1	12	3	8	4	7			3	1	3.30	<2	5.03	<10
32756	1	12	3	9	3	7			2	1	3.70	<2	6.23	11
32758	9	8	4		4	7			3	1	2.30	<2	6.05	13
32760	1	8	3	8	2	7			2	1	2.70	<2	6.56	16
32761	1	15	3	7	2	7			3	1	2.80	<2	6.85	<10
32763	1	12	3	9	2	7			3	1	2.20	<2	7.64	<10
32765	1	4	3	9	2	7			3	1	3.00	<2	6.07	<10
32766	1	6	3	9	2	7			3	1	1.50	<2	7.65	<10
32767	1	7	3	7	4	7			3	1	1.80	2	6.34	<10
32768	1	13	1	4	5	7			3	1	2.10	<2	6.79	<10
32769	1	12	3	9	4	7			3	1	2.10	<2	6.53	<10
32771	1	6	1	6	2	7			2	1	1.90	<2	7.06	<10
32772	1	12	3	9	2	6			2	2	2.80	<2	6.71	19
32773	1	7	3	9	4	6			3	2	2.60	<2	6.45	<10
32779	1	13	3	8	2	7			2	1	2.80	<2	5.95	<10
32781	1	6	4		2	7			2	1	2.50	<2	5.99	12
32787	1	14	3	9	1	7			4	1	3.30	<2	7.55	<10
32789	1	14	3	9	3	7			4	1	1.10	<2	7.30	<10
32790	1	11	4		2	7			2	2	2.30	<2	6.22	11
32791	1	12	1	1	4	1			4	3	3.10	<2	7.44	10
32792	1	5	3	8	1	7			4	3	2.40	<2	7.32	<10
32793	1	7	3	8	5	7			4	3	2.40	<2	6.65	10
32794	1	7	3	8	2	7			4	3	2.70	<2	6.95	<10
32796	1	6	3	8	1	7			4	3	2.50	<2	6.48	<10
32797	1	8	4		1	7			2	3	2.40	<2	5.90	<10
32798	3	10	1	6	5	6			2	3	3.10	<2	5.25	14
32810	3	6	1	6	3	7			2	3	2.50	<2	5.89	<10
32826	1	11			5	6			2	1	2.30	<2	6.84	16
32828	1	7			5	6			3	1	2.40	<2	4.55	10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
9713	506	3	1.23	126	7	75	23	4.36	<15	1.64	53	22	0.39	761	<4
9714	355	2	4.75	50	9	63	39	2.90	<15	0.93	22	36	1.33	1000	<4
9715	429	3	1.03	73	7	60	25	3.06	18	1.45	39	16	0.40	619	<4
9716	439	2	2.64	48	6	26	18	2.59	<15	1.61	21	14	0.92	763	<4
9717	417	2	4.16	53	9	49	21	3.50	<15	1.31	24	20	1.71	597	<4
9718	440	3	1.53	73	15	54	38	5.18	<15	1.54	32	24	0.94	1389	<4
9719	612	2	1.51	75	23	192	56	7.08	<15	1.16	32	22	1.12	799	4
9720	366	3	2.35	75	17	55	49	7.59	17	1.15	31	18	0.75	1477	<4
9721	507	2	4.40	53	9	45	119	3.76	<15	1.23	26	26	1.47	602	<4
9722	456	2	4.29	50	6	36	19	2.42	<15	1.31	23	21	1.14	573	<4
9723	377	2	1.95	37	<4	40	26	3.65	<15	1.16	12	12	0.26	537	<4
9725	378	2	1.96	32	4	37	17	2.07	15	1.36	14	15	0.25	365	<4
9726	267	1	6.11	33	4	59	26	1.68	<15	0.88	14	14	0.32	293	<4
9728	361	2	4.16	35	5	37	22	2.24	<15	1.14	14	16	0.36	342	<4
9729	488	2	0.98	26	7	94	45	3.60	<15	1.32	8	17	0.35	423	<4
9730	615	3	0.70	63	5	151	20	3.27	<15	2.21	23	25	0.33	640	<4
9731	569	2	3.94	52	8	42	32	2.82	<15	1.44	25	22	0.73	451	<4
9781	657	2	1.39	75	9	47	34	4.10	<15	1.70	36	26	0.49	516	<4
9782	610	2	1.54	72	9	37	32	4.68	<15	1.83	34	28	0.47	591	<4
9890	739	2	1.41	55	7	13	35	2.14	<15	2.19	27	18	0.82	378	<4
9891	704	2	1.43	81	13	52	42	5.26	<15	1.68	38	19	0.48	563	<4
9892	708	2	1.18	78	9	23	29	2.73	<15	2.11	36	24	0.56	561	<4
9910	724	2	1.70	62	11	56	29	3.17	<15	1.79	28	17	0.72	522	<4
32524	552	1	4.35	60	9	33	29	2.68	<15	1.49	26	32	1.25	440	<4
32752	606	1	1.20	46	5	19	12	1.86	<15	1.58	19	17	0.36	318	<4
32753	604	1	2.55	98	16	63	22	5.47	<15	1.42	43	26	0.68	951	<4
32755	512	1	1.82	61	11	58	16	4.22	20	1.42	26	15	0.54	653	<4
32756	627	1	3.02	102	18	112	24	6.38	<15	1.25	47	30	0.90	1023	<4
32758	650	1	4.14	45	10	47	33	2.86	<15	1.46	21	26	0.84	528	<4
32760	605	1	3.54	95	16	90	34	4.72	<15	1.46	42	44	1.02	835	<4
32761	545	2	1.41	68	7	24	21	2.34	20	1.93	34	29	0.59	483	<4
32763	782	1	2.79	67	13	49	19	3.57	<15	1.37	27	34	1.13	698	<4
32765	779	1	2.33	109	24	96	27	9.48	<15	1.26	47	23	1.00	1387	<4
32766	894	1	2.96	67	15	72	26	4.09	<15	1.40	30	24	1.26	641	<4
32767	912	1	3.08	79	24	126	30	7.51	<15	1.02	31	15	1.26	1208	<4
32768	715	1	3.54	51	9	34	23	2.52	<15	1.54	25	30	0.92	452	<4
32769	749	1	4.86	51	10	41	20	3.15	<15	1.31	25	24	0.67	697	<4
32771	704	1	3.57	57	12	66	22	3.22	<15	1.35	24	28	0.90	557	<4
32772	651	1	3.69	55	11	55	23	3.36	<15	1.61	23	47	0.87	545	<4
32773	696	1	3.80	70	16	85	24	4.59	<15	1.35	32	30	0.91	679	<4
32779	662	1	2.49	83	9	44	15	3.05	<15	1.38	40	18	0.59	418	4
32781	673	1	3.02	45	7	34	23	2.58	<15	1.66	20	33	0.70	400	<4
32787	573	2	1.72	57	<4	10	8	1.47	<15	1.99	27	43	0.85	388	<4
32789	714	1	4.35	42	12	56	28	3.28	<15	1.24	17	32	1.37	431	<4
32790	648	1	3.27	57	11	47	41	2.92	<15	1.45	26	24	0.74	361	<4
32791	525	2	1.81	83	6	11	17	2.42	<15	1.72	38	60	0.93	493	<4
32792	590	1	2.35	71	10	50	21	3.25	<15	1.66	33	32	0.86	493	<4
32793	594	1	2.12	65	10	51	22	3.02	<15	1.44	31	22	0.70	423	<4
32794	628	1	2.13	88	12	71	19	4.51	<15	1.50	43	21	0.71	635	<4
32796	670	1	1.94	80	11	48	16	3.68	<15	1.32	38	18	0.65	582	<4
32797	666	1	3.02	75	8	43	14	3.25	<15	1.21	38	21	0.72	416	<4
32798	581	1	2.69	30	8	23	14	2.60	18	1.42	15	26	0.59	393	<4
32810	683	2	4.45	38	8	18	12	2.19	<15	1.61	19	17	0.51	395	<4
32826	537	2	1.81	38	9	34	28	3.15	<15	1.77	19	33	0.75	473	<4
32828	677	1	3.04	43	5	17	11	1.82	<15	1.23	20	24	0.47	351	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
9713	1.52	36	23	264	25	7	324	11	6093	109	38	103	114
9714	0.74	13	36	514	126	7	207	9	2904	69	15	155	55
9715	1.24	22	31	491	17	6	245	8	4304	73	31	74	140
9716	1.08	15	14	560	27	4	116	6	3144	57	14	74	42
9717	0.82	14	25	703	25	7	143	3	3765	81	19	71	65
9718	1.39	18	26	577	46	12	177	7	7021	135	26	184	56
9719	0.74	17	64	1029	31	14	187	5	10400	237	22	134	130
9720	0.99	30	34	607	54	11	148	6	10694	194	25	199	78
9721	1.18	11	19	938	97	7	289	4	3973	87	15	221	62
9722	0.85	15	18	595	21	6	208	7	3012	59	16	56	74
9723	0.90	34	15	768	<10	3	180	9	5210	126	7	64	60
9725	1.10	22	15	416	26	3	208	<2	2847	56	9	44	79
9726	0.52	15	28	523	13	2	183	2	2444	51	7	55	65
9728	0.88	17	18	626	17	3	213	8	3232	66	7	54	63
9729	1.37	18	28	711	<10	4	274	3	5090	109	5	68	124
9730	1.28	26	32	435	15	4	177	<2	5639	93	18	74	117
9731	1.42	12	24	609	26	6	357	6	3543	71	12	70	71
9781	1.37	18	23	764	28	6	452	9	5167	101	19	72	90
9782	1.44	15	16	1292	24	7	384	12	4704	121	21	72	93
9890	1.71	10	14	820	25	6	350	8	2234	35	10	76	88
9891	1.94	15	24	877	23	5	414	10	6181	150	15	103	69
9892	1.72	15	14	454	22	5	364	11	3631	56	17	64	90
9910	2.22	11	23	475	13	6	426	5	4066	79	15	66	115
32524	0.73	10	19	628	29	7	276	10	2595	65	14	66	67
32752	1.19	9	9	257	13	3	213	8	2649	51	10	40	48
32753	1.63	21	20	401	24	6	446	2	6905	167	22	111	79
32755	1.32	13	18	323	19	5	281	6	5828	127	16	82	72
32756	1.42	20	31	549	21	8	488	<2	7876	198	20	115	86
32758	1.36	9	25	765	18	6	446	<2	3616	73	13	63	75
32760	1.34	17	34	612	32	8	425	5	5571	133	20	90	82
32761	1.62	15	13	356	32	5	226	9	2765	54	15	53	73
32763	1.70	10	23	716	20	6	535	<2	4516	94	16	67	78
32765	1.50	17	30	827	19	8	460	4	10366	253	19	186	87
32766	2.06	9	33	884	19	7	777	5	4976	116	11	85	69
32767	1.66	13	37	1154	26	7	665	10	8224	232	11	163	83
32768	1.45	12	20	633	17	5	509	3	3051	61	13	56	76
32769	1.53	16	20	435	20	5	592	2	3765	87	13	60	67
32771	1.80	13	34	640	15	7	613	<2	4150	92	13	53	85
32772	1.46	11	26	521	20	6	513	2	4065	98	13	64	77
32773	1.51	15	34	645	30	7	510	<2	5915	138	17	81	85
32779	1.48	13	18	294	20	5	412	4	4531	92	18	51	56
32781	1.36	8	14	453	11	5	417	<2	3195	63	11	56	59
32787	1.91	11	9	250	17	4	277	10	1843	28	21	38	54
32789	1.77	8	32	737	11	7	700	<2	3941	89	10	65	75
32790	1.09	11	52	509	29	6	306	6	3817	69	12	56	80
32791	1.77	13	8	257	21	6	337	15	2529	47	22	57	84
32792	1.37	11	25	515	22	7	284	10	3988	76	19	61	81
32793	1.31	13	27	411	24	6	316	4	3801	74	16	56	77
32794	1.55	14	24	398	15	7	321	7	5520	110	22	78	82
32796	1.57	15	20	366	28	6	307	8	4465	90	21	65	74
32797	1.23	11	17	327	17	6	355	7	3719	83	17	55	60
32798	1.04	10	11	437	12	5	327	<2	2829	65	11	45	65
32810	1.38	11	11	463	20	3	316	5	2590	52	11	40	56
32826	0.78	13	18	706	25	7	178	2	3028	60	13	79	77
32828	0.96	9	5	356	12	4	277	6	2330	50	13	32	57

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	COMM	MEAS	PH	CT-F
32830	H	35	32.634	107.324	2	96	06/17/77	11	35.0					
32832	H	35	32.653	107.321	2	97	06/17/77	12	36.0		C			
32835	H	35	32.667	107.386	2	97	06/17/77	13	36.0					
32837	H	35	32.691	107.382	2	97	06/17/77	13	36.0					
32838	M	35	32.677	107.337	2	15	06/17/77	13	36.0		C			
32839	M	35	32.673	107.334	2	15	06/17/77	14	36.0		C			
32840	M	35	32.701	107.325	2	15	06/17/77	14	36.0		C			
32842	M	35	32.720	107.326	2	15	06/17/77	15	36.0		C			
32843	M	35	32.734	107.320	2	15	06/17/77	15	36.0					
32844	M	35	32.605	107.312	2	15	06/26/77	9	34.0					
32845	M	35	32.592	107.352	2	15	06/26/77	10	35.0					
32847	M	35	32.591	107.378	2	15	06/26/77	10	35.0		C			
32849	M	35	32.639	107.366	2	15	06/26/77	11	35.0					
32850	M	35	32.635	107.381	2	15	06/26/77	11	35.0					
32851	M	35	32.628	107.382	2	15	06/26/77	11	35.0					
32852	M	35	32.593	107.412	2	15	06/26/77	12	35.0					
32853	M	35	32.607	107.259	2	15	06/26/77	14	37.0					
32854	M	35	32.571	107.270	2	15	06/26/77	15	35.0					
32855	M	35	32.557	107.278	2	15	06/26/77	15	37.0					
32858	M	35	32.554	107.302	2	15	06/26/77	16	36.0					
32859	M	35	32.541	107.318	2	15	06/26/77	16	36.0					
32860	M	35	32.533	107.329	2	15	06/26/77	16	36.0					
32862	M	35	32.518	107.344	2	15	06/26/77	17	36.0					
32864	M	35	32.703	107.258	2	15	06/27/77	10	34.0		C			
32865	M	35	32.694	107.290	2	15	06/27/77	10	35.0		C			
32866	M	35	32.707	107.291	2	12	06/27/77	10	36.0		C			
32867	M	35	32.731	107.277	2	15	06/27/77	11	37.0		C			
32868	M	35	32.606	107.284	2	15	06/27/77	10	36.0					
32869	M	35	32.596	107.306	2	15	06/27/77	11	37.0					
32870	M	35	32.578	107.340	2	15	06/27/77	11	37.0		C			
32871	M	35	32.563	107.372	2	15	06/27/77	12	37.0		C			
32872	M	35	32.558	107.406	2	15	06/27/77	12	37.0					
32873	M	35	32.552	107.421	2	15	06/27/77	14	34.0					
32874	M	35	32.549	107.421	2	15	06/27/77	14	34.0					
32876	M	35	32.509	107.434	2	15	06/27/77	15	34.0					
32878	M	35	32.510	107.402	2	15	06/27/77	15	34.0					
32880	M	35	32.530	107.397	2	15	06/27/77	16	36.0					
32881	M	35	32.611	107.467	2	15	06/29/77	11	35.0					
32883	M	35	32.635	107.452	2	15	06/29/77	12	35.0					
32887	M	35	32.565	107.462	2	15	06/29/77	14	36.0					
32888	M	35	32.535	107.488	2	15	06/29/77	14	36.0		C			
32890	M	35	32.521	107.479	2	15	06/29/77	14	36.0					
32892	M	35	32.516	107.474	2	15	06/29/77	15	37.0					
33001	M	35	32.980	107.434	2	15	05/21/77	7	15.0					
33002	M	35	32.972	107.434	2	15	05/21/77	7	15.0					
33003	M	35	32.966	107.469	2	15	05/21/77	7	15.0					
33004	M	35	32.956	107.487	2	15	05/21/77	7	17.0					
33005	M	35	32.933	107.485	2	15	05/21/77	8	18.0					
33006	M	35	32.915	107.481	2	15	05/21/77	8	17.0					
33007	M	35	32.998	107.397	2	15	05/21/77	10	20.0					
33008	M	35	32.889	107.419	2	15	05/21/77	10	20.0					
33009	M	35	32.885	107.426	2	15	05/21/77	10	20.0					
33010	M	35	32.892	107.461	2	15	05/21/77	11	21.0					
33011	M	35	32.894	107.488	2	15	05/21/77	11	22.0					
33013	M	35	32.927	107.434	2	15	05/21/77	11	24.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
32830	1	14			5	6			1	1	2.70	<2	6.69	11
32832	1	8			5	6			3	1	2.20	<2	6.03	11
32835	1	12			5	6			2	1	2.10	<2	7.89	13
32837	1	11			5	6			2	1	2.50	<2	6.75	10
32838	1	12			4	6			3	1	2.70	<2	6.10	10
32839	1	11			4	6			3	1	3.10	<2	5.75	10
32840	1	6			4	6			3	1	2.40	<2	5.59	<10
32842	1	7			5	6			2	1	2.30	<2	5.97	10
32843	1	22			4	6			3	1	2.90	<2	4.68	<10
32844	1	8			5	6			2	1	3.80	<2	4.69	25
32845	1	11			5	6			2	1	2.20	<2	7.66	17
32847	1	13			5	6			1	1	2.30	<2	6.84	10
32849	1	9			5	6			2	1	2.20	<2	6.98	13
32850	1	10	3	4	5	6			2	1	2.30	<2	7.65	10
32851	1	7			5	6			2	1	2.00	<2	6.86	10
32852	1	11	3	8	5	6			3	1	2.00	<2	7.25	10
32853	1	9	3	8	5	6			3	2	2.50	<2	6.84	<10
32854	1	5	3	8	4	6			2	2	2.40	<2	7.32	<10
32855	1	6	3	8	4	6			2	2	2.20	<2	7.38	12
32858	1	1	3	8	4	6			2	2	2.20	<2	6.84	<10
32859	1	11	3	8	4	6			2	2	2.10	<2	6.80	<10
32860	1	3	3	8	5	6			2	2	2.40	<2	7.10	11
32862	1	9	3	7	5	6			2	2	2.50	<2	7.27	<10
32864	1	8	1	1	4	7			2	1	4.10	<2	5.47	17
32865	1	10	1	6	4	7			3	1	3.20	<2	5.26	<10
32866	1	11	1	6	3	7			3	1	2.70	<2	6.26	<10
32867	1	11	1	6	2	7			2	1	2.40	<2	6.73	19
32868	1	7	3	8	5	6			2	1	1.80	<2	6.74	13
32869	1	7	3	8	5	6			2	1	2.10	<2	7.20	14
32870	9	6			5	1			1	1	49.60	<2	0.23	11
32871	1	10	3	8	5	6			2	1	3.70	<2	4.38	27
32872	1	7	3	8	5	6			2	1	2.40	<2	7.57	15
32873	1	8	1	1	5	6			2	2	2.20	<2	7.43	15
32874	1	11	1	1	5	6			2	2	2.40	<2	6.58	13
32876	1	10	3	8	5	6			3	3	2.60	<2	6.53	<10
32878	1	1	3	8	5	7			3	3	3.10	<2	5.56	11
32880	1	7	3	8	5	6			1	2	2.10	<2	6.27	13
32881	1	8	3	7	5	6			3	2	2.40	<2	7.41	11
32883	1	18	3	7	5	6			2	2	2.70	<2	7.02	10
32887	1	11	3	7	5	6			2	2	2.50	<2	7.77	11
32888	9	25	3	7	5	6			2	2	2.70	<2	7.15	<10
32890	1	13	3	7	5	6			2	2	2.40	<2	7.58	11
32892	1	12	3	7	5	6			3	2	2.60	<2	7.20	<10
33001	1	37	1	4	4	6			2	1	2.60	<2	7.57	13
33002	1	55	1	6	5	6			2	1	2.30	<2	7.42	11
33003	1	37	1	6	4	6			3	1	3.10	<2	6.52	<10
33004	1	18	1	6	4	6			3	1	2.70	<2	7.15	11
33005	1	37	1	6	4	6			3	1	3.20	<2	6.80	10
33006	1	37	1	6	4	6			3	1	3.60	<2	6.18	<10
33007	1	27	1	6	4	6			3	1	3.90	<2	5.97	<10
33008	1	37	1	6	4	6			3	1	3.40	<2	6.14	<10
33009	1	46	1	6	4	6			3	1	3.30	<2	6.60	<10
33010	1	55	1	6	4	6			3	1	4.00	<2	6.12	<10
33011	1	55	1	6	4	6			3	1	3.40	<2	6.71	12
33013	1	37	1	6	4	6			2	1	3.50	<2	6.70	12

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
32830	564	2	2.05	38	8	36	23	3.12	<15	1.77	19	30	0.69	451	<4
32832	570	1	5.56	51	7	32	25	2.48	<15	1.31	25	35	0.96	326	<4
32835	591	2	1.61	72	12	41	31	3.30	<15	1.64	34	36	0.83	629	<4
32837	596	2	1.68	30	8	33	18	2.71	<15	1.80	16	28	0.56	450	<4
32838	631	1	2.41	54	8	38	22	2.95	<15	1.49	26	26	0.69	456	<4
32839	634	1	4.01	44	11	43	18	3.77	<15	1.42	22	25	0.76	593	<4
32840	611	1	4.40	43	12	49	18	4.03	15	1.30	20	23	0.76	580	<4
32842	552	1	4.61	43	10	41	20	3.25	<15	1.54	20	26	0.74	450	<4
32843	501	1	4.44	37	13	56	21	4.28	<15	1.41	14	22	0.63	584	<4
32844	605	1	5.48	31	8	29	23	2.25	<15	1.53	14	36	0.92	352	<4
32845	531	2	1.37	36	10	35	27	3.15	<15	1.83	17	35	0.79	560	<4
32847	537	1	0.95	45	9	40	25	3.08	<15	1.49	22	28	0.61	478	<4
32849	552	1	1.97	51	9	33	35	2.77	<15	1.71	27	34	0.83	562	<4
32850	532	2	1.23	38	12	38	27	3.36	<15	1.57	17	27	0.60	602	<4
32851	492	1	1.34	37	11	38	31	3.00	<15	1.52	14	23	0.61	506	<4
32852	586	2	1.61	45	13	40	28	3.24	<15	1.43	18	23	0.69	536	<4
32853	687	1	2.75	49	10	44	17	3.73	<15	1.57	23	25	0.67	547	<4
32854	719	1	1.79	62	9	43	19	3.14	<15	1.59	31	23	0.72	486	<4
32855	529	2	3.47	47	14	55	24	4.21	<15	1.53	24	29	0.69	498	<4
32858	589	1	1.20	36	9	35	20	2.89	<15	1.68	17	23	0.49	422	<4
32859	571	1	1.13	46	13	39	22	3.20	16	1.73	19	22	0.43	476	<4
32860	616	1	2.38	54	11	40	19	3.64	<15	1.71	23	25	0.58	474	<4
32862	607	1	1.42	41	9	40	16	3.71	<15	1.76	19	25	0.56	473	<4
32864	509	1	2.99	53	17	51	15	6.79	15	1.32	20	36	0.67	1010	<4
32865	610	1	2.49	36	10	31	12	3.69	<15	1.36	17	22	0.48	624	<4
32866	700	1	2.58	64	9	47	18	3.51	<15	1.66	30	29	0.63	544	<4
32867	682	1	3.97	43	6	23	19	2.28	<15	1.80	20	62	0.85	395	<4
32868	526	1	5.77	49	7	33	24	2.84	<15	1.32	27	32	0.92	344	<4
32869	718	1	1.70	63	9	36	20	2.98	<15	1.59	30	29	0.77	420	<4
32870	45	<1	7.74	<10	6	1	22	0.44	<15	0.16	<2	7	0.27	25	8
32871	388	1	12.31	37	7	22	15	1.90	<15	0.88	16	68	1.19	272	<4
32872	609	2	1.22	47	13	39	31	3.31	<15	2.04	19	31	0.67	618	<4
32873	536	2	1.31	29	12	36	35	3.39	<15	1.71	12	35	0.65	552	<4
32874	645	1	2.19	72	9	42	29	3.21	<15	1.53	33	26	0.71	491	<4
32876	650	1	1.93	93	14	78	23	5.48	<15	1.38	43	22	0.75	695	<4
32878	650	1	3.39	47	6	31	19	2.20	<15	1.52	22	24	0.93	390	<4
32880	638	1	3.46	50	8	31	23	2.46	<15	1.55	24	31	0.82	402	<4
32881	626	2	1.07	64	10	38	26	2.96	<15	1.53	31	31	0.69	591	<4
32883	570	2	1.00	60	6	31	25	2.40	<15	1.80	29	28	0.46	382	<4
32887	690	2	0.98	67	11	38	26	3.14	<15	1.84	31	38	0.68	678	<4
32888	613	2	1.90	62	10	36	109	2.89	<15	1.73	30	37	0.64	478	<4
32890	619	2	1.10	67	10	34	29	2.96	<15	1.97	30	43	0.72	632	<4
32892	601	2	1.17	56	9	31	26	2.74	<15	1.83	26	44	0.66	567	<4
33001	555	2	1.02	53	11	36	31	3.59	<15	1.75	25	33	0.81	557	<4
33002	540	2	2.86	62	15	50	45	5.35	<15	1.60	25	31	0.93	814	<4
33003	585	1	2.13	65	13	30	97	9.76	<15	1.70	25	14	0.69	1116	<4
33004	598	2	2.16	51	9	20	40	3.86	<15	1.81	24	26	0.70	654	<4
33005	609	2	0.85	52	9	31	24	3.19	<15	1.68	24	27	0.53	573	<4
33006	594	1	3.20	57	9	30	28	3.71	<15	1.54	26	22	0.84	601	<4
33007	589	1	2.34	71	10	44	19	4.22	<15	1.51	30	22	0.59	668	<4
33008	597	2	2.31	51	8	29	32	3.19	<15	1.59	24	21	0.76	500	<4
33009	592	1	3.20	51	8	27	32	3.04	<15	1.75	23	26	0.88	491	<4
33010	598	1	2.88	68	10	34	37	4.70	<15	1.59	29	21	0.84	626	<4
33011	580	2	1.91	62	8	34	27	3.61	<15	1.81	29	32	0.54	501	<4
33013	561	2	0.87	57	10	35	36	3.77	<15	1.85	26	34	0.55	664	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PH	SC	SR	TH	TI	V	Y	ZN	ZR
32830	0.97	13	20	499	19	6	210	7	3447	69	13	66	72
32832	0.61	12	18	418	26	6	245	6	2352	55	15	52	69
32835	0.93	13	23	674	30	8	230	12	3466	61	18	74	108
32837	1.32	13	17	459	19	5	259	<2	3259	62	10	53	77
32838	1.17	12	16	495	19	5	296	9	3561	73	15	53	74
32839	1.04	12	17	536	20	5	323	8	4274	100	13	67	76
32840	1.07	12	24	488	24	5	352	8	4399	109	11	67	73
32842	0.95	11	21	590	21	5	257	8	3536	81	10	61	71
32843	1.05	12	17	467	22	4	271	4	4615	124	7	76	66
32844	0.83	13	21	461	15	4	450	<2	2799	75	8	63	63
32845	0.94	11	21	656	13	7	250	<2	3225	63	12	72	93
32847	1.05	11	18	468	27	8	226	3	3188	62	13	61	91
32849	0.91	12	16	836	23	7	220	<2	2988	53	16	68	79
32850	1.10	12	19	493	14	6	272	4	3915	69	11	68	99
32851	0.99	11	22	628	20	6	252	10	3335	59	8	65	92
32852	1.11	11	26	611	38	7	298	13	3427	69	10	66	93
32853	1.44	12	18	434	20	6	335	5	4316	94	16	70	71
32854	1.65	13	21	451	22	7	326	4	3796	73	18	55	83
32855	1.13	13	33	440	22	7	248	9	4325	98	14	78	86
32858	1.36	12	19	400	22	5	252	11	3365	67	11	60	68
32859	1.52	13	18	352	29	5	236	12	3944	80	12	67	60
32860	1.45	14	22	447	20	6	288	14	4144	88	14	74	66
32862	1.54	14	17	241	16	5	266	6	4319	89	12	70	70
32864	1.08	17	15	590	24	6	453	4	7479	192	16	111	87
32865	1.20	11	10	442	13	4	354	8	4646	108	11	62	70
32866	1.64	13	18	434	<10	5	360	<2	4401	97	13	60	65
32867	1.30	8	12	431	13	6	717	<2	2452	53	13	45	65
32868	0.82	11	21	391	21	7	279	8	2686	55	17	61	68
32869	1.35	13	19	435	25	7	320	3	3481	62	18	54	82
32870	<0.05	<4	18	229	212	<1	77	2	183	45	1	581	<2
32871	0.59	10	11	213	14	5	400	<2	1808	63	12	34	51
32872	1.18	12	20	589	27	7	240	10	3557	70	11	73	82
32873	1.08	13	23	738	29	7	199	8	3385	65	8	75	96
32874	1.28	13	17	584	25	6	291	7	3750	75	18	67	76
32876	1.47	15	30	391	16	8	317	4	6880	150	22	87	74
32878	1.25	10	15	485	17	5	399	<2	2751	57	12	44	50
32880	1.17	10	16	486	27	5	360	2	2746	55	13	54	59
32881	1.15	12	22	390	27	7	252	12	3175	58	18	64	91
32883	1.52	13	12	303	26	5	254	14	3047	55	16	51	75
32887	1.18	11	22	475	25	8	246	10	3491	62	17	72	91
32888	1.27	12	18	399	56	6	323	7	3199	61	17	156	83
32890	1.25	13	20	776	33	7	295	12	3136	57	16	71	96
32892	1.25	14	22	432	25	7	299	7	3083	53	15	61	100
33001	0.75	14	25	864	24	9	152	3	3293	60	15	77	102
33002	0.88	17	36	1018	25	9	215	4	4898	104	17	83	89
33003	1.32	10	9	1745	19	11	379	<2	8970	244	24	156	64
33004	0.99	8	13	844	19	8	262	7	3586	84	18	69	67
33005	1.11	12	19	387	23	6	236	2	3443	67	13	63	87
33006	1.40	13	14	691	27	6	359	5	4242	92	15	69	55
33007	1.32	16	16	503	21	5	297	10	4939	109	17	79	70
33008	1.36	12	13	562	27	5	331	5	3567	76	13	62	61
33009	1.52	10	11	623	23	5	364	5	3357	71	13	64	55
33010	1.40	16	16	720	26	6	343	5	5038	119	16	85	60
33011	1.04	14	18	492	24	6	186	3	3965	84	17	73	77
33013	0.91	13	19	652	28	7	163	7	3974	84	14	85	90

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	MTEN	COMM	MEAS	PH	CT-F
33014	M	35	32.927	107.389	2	15	05/21/77	11	26.0					
33015	M	35	32.944	107.454	2	15	05/21/77	11	27.0					
33017	M	35	32.985	107.305	2	15	05/22/77	8	14.0					
33018	M	35	32.967	107.312	2	15	05/22/77	8	16.0					
33019	M	35	32.953	107.318	2	15	05/22/77	9	19.0					
33020	M	35	32.930	107.316	2	15	05/22/77	9	19.0					
33021	M	35	32.906	107.320	2	15	05/22/77	9	20.0					
33022	M	35	32.907	107.344	2	15	05/22/77	9	20.0					
33023	M	35	32.905	107.362	2	15	05/22/77	9	20.0					
33024	M	35	32.886	107.313	2	15	05/22/77	9	21.0					
33025	M	35	32.891	107.289	2	15	05/22/77	10	21.0					
33026	M	35	32.879	107.291	2	15	05/22/77	10	22.0					
33027	M	35	32.893	107.253	2	15	05/22/77	11	24.0					
33028	M	35	32.903	107.280	2	15	05/22/77	11	26.0					
33029	M	35	32.910	107.283	2	15	05/22/77	11	27.0					
33030	M	35	32.930	107.259	2	15	05/22/77	11	27.0					
33031	M	35	32.945	107.258	2	15	05/22/77	12	28.0					
33032	M	35	32.960	107.262	2	15	05/22/77	12	30.0					
33033	M	35	32.976	107.264	2	15	05/22/77	12	30.0					
33389	M	35	32.765	107.288	2	15	07/23/77	12	27.0					
33390	M	35	32.789	107.323	2	15	07/23/77	12	27.0					
33391	M	35	32.807	107.310	2	15	07/23/77	13	27.0		C			
33393	M	35	32.819	107.320	2	15	07/23/77	13	27.0					
33394	M	35	32.836	107.324	2	15	07/23/77	14	27.0		C			
33395	M	35	32.853	107.321	2	15	07/23/77	14	27.0		C			
33523	M	35	32.766	107.347	2	15	06/27/77	12	39.0		C			
33524	M	35	32.788	107.326	2	15	06/27/77	13	39.0					
33526	M	35	32.814	107.368	2	15	06/27/77	14	37.0		C			
33529	M	35	32.838	107.398	2	15	06/27/77	16	37.0					
33530	M	35	32.839	107.429	2	15	06/27/77	16	35.0		C			
33545	M	35	32.800	107.477	2	15	06/27/77	18	29.0					
33546	M	35	32.764	107.495	2	15	06/27/77	19	29.0					
33547	M	35	32.761	107.493	2	15	06/27/77	19	28.0					
33549	M	35	32.762	107.497	2	12	06/27/77	20	25.0	19.1	C		8.0	750
33550	M	35	32.872	107.414	2	15	06/29/77	18	32.0		C			
33620	M	35	32.041	107.086	2	15	06/15/77	15	35.0					
33621	M	35	32.040	107.110	2	15	06/15/77	16	35.0					
33623	H	35	32.105	107.116	2	96	06/15/77	16	34.0					
33624	M	35	32.111	107.149	2	15	06/15/77	16	34.0					
33625	M	35	32.119	107.164	2	15	06/15/77	17	34.0					
33626	M	35	32.307	107.155	2	15	06/16/77	11	38.0		C			
33627	H	35	32.280	107.167	2	97	06/16/77	11	38.0					
33628	M	35	32.293	107.210	2	15	06/16/77	11	37.0					
33629	M	35	32.326	107.169	2	15	06/16/77	10	35.0					
33630	H	35	32.337	107.152	2	97	06/16/77	10	35.0					
33633	M	35	32.328	107.192	2	15	06/15/77	18	39.0					
33634	H	35	32.366	107.187	2	97	06/16/77	18	39.0					
33635	M	35	32.378	107.181	2	15	06/15/77	18	39.0					
33637	M	35	32.433	107.160	2	15	06/15/77	16	40.0					
33638	M	35	32.444	107.151	2	15	06/15/77	16	40.0		C			
33639	M	35	32.467	107.141	2	15	06/15/77	15	41.0		C			
33640	M	35	32.526	107.161	2	15	06/15/77	15	41.0		C			
33641	M	35	32.533	107.156	2	15	06/15/77	15	41.0		C			
33642	M	35	32.537	107.152	2	15	06/15/77	14	11.0		C			
33644	M	35	32.512	107.162	2	15	06/15/77	13	40.0		C			

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
33014	1	55	1	6	4	6			2	1	3.50	<2	6.09	10
33015	1	37	1	6	4	6			2	1	3.60	<2	6.64	<10
33017	1	55	1	6	4	6			2	1	2.70	<2	7.00	<10
33018	1	37	1	6	4	6			3	1	6.20	<2	5.29	<10
33019	1	27	1	6	4	6			3	1	3.30	<2	6.63	<10
33020	1	37	1	6	4	6			3	1	3.50	<2	6.16	<10
33021	1	37	1	6	4	6			2	1	3.40	<2	5.82	<10
33022	1	37	1	6	4	6			3	1	3.40	<2	6.40	12
33023	1	27	1	6	4	6			3	1	3.40	<2	6.25	<10
33024	1	27	1	6	4	6			3	1	2.50	<2	5.65	12
33025	1	18	1	6	4	6			3	1	4.10	<2	4.49	<10
33026	1	18	1	6	4	6			3	1	11.90	<2	3.92	<10
33027	1	37	1	6	4	6			3	1	2.70	<2	4.83	14
33028	1	18	1	6	4	6			3	1	2.50	<2	3.33	13
33029	1	37	1	6	4	6			3	1	2.60	<2	5.46	<10
33030	1	55	1	6	4	6			3	1	9.50	<2	4.15	15
33031	1	37	1	6	4	6			3	1	7.40	<2	5.11	<10
33032	1	37	1	6	4	6			3	1	4.50	<2	5.67	<10
33033	1	27	1	6	4	6			3	1	7.30	<2	5.18	<10
33389	1	12	1	6	4	6			3	1	2.30	<2	5.64	11
33390	1	11	1	6	5	6			2	3	3.30	<2	6.17	<10
33391	3	9	1	6	3	7			2	3	3.40	<2	6.20	<10
33393	1	6	1	6	4	6			2	3	3.30	<2	4.78	<10
33394	3	12	1	6	3	7			2	3	4.40	<2	4.71	<10
33395	3	9	1	6	3	7			2	3	4.30	<2	5.04	<10
33523	9	10	4		4	7			3	2	3.20	<2	4.61	<10
33524	1	12	1	1	2	7			3	2	4.40	<2	5.00	<10
33526	9	16	1	6	3	7			3	3	2.90	<2	5.98	<10
33529	1	15	1	6	2	7			3	3	3.10	<2	5.59	<10
33530	1	15	1	6	4	7			3	3	4.30	<2	5.56	<10
33545	1	15	4		2	6			2	3	2.70	<2	7.44	15
33546	1	19	4		2	7			3	3	2.90	<2	5.98	<10
33547	1	35	4		4	7			3	3	2.90	<2	5.58	15
33549	1	22	4		3	7	2	1	3	3	2.10	<2	4.41	12
33550	1	19	1	1	2	7			3	3	9.10	<2	5.63	<10
33620	1	6	3	8	5	6			1	1	2.30	<2	7.46	20
33621	1	2	3	8	4	6			2	1	2.20	<2	5.68	10
33623	1	6	3	8	4	6			2	1	2.40	<2	5.42	16
33624	1	3	3	8	5	6			2	2	2.50	<2	6.23	12
33625	1	5	3	8	4	6			2	1	2.80	<2	7.60	14
33626	1	7	3	9	5	7			1	1	2.10	<2	6.49	11
33627	1	7	4		4	7			1	1	1.50	<2	6.57	<10
33628	1	4	4		5	7			1	1	2.40	<2	6.67	12
33629	1	8	3	8	5	6			1	1	2.30	<2	6.66	<10
33630	1	8	3	8	5	7			2	1	2.20	<2	7.00	14
33633	1	9	3	8	5	6			1	2	2.40	<2	7.26	10
33634	1	9	3	8	5	7			1	2	6.00	<2	6.26	<10
33635	1	9	3	8	5	7			2	2	2.30	2	7.66	17
33637	1	12	3	8	5	7			1	2	2.30	<2	7.68	12
33638	9	10	3	8	5	7			1	2	2.40	<2	7.46	11
33639	1	11	3	9	5	7			1	1	2.40	<2	7.35	<10
33640	1	16	3	8	2	8			3	1	2.40	<2	6.28	<10
33641	1	15	3	7	2	7			4	1	1.50	<2	7.19	<10
33642	1	5	3	8	4	7			4	1	2.60	<2	7.50	<10
33644	1	7	3	8	5	7			4	1	2.90	<2	7.68	12

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
33014	549	2	2.19	65	8	34	26	3.39	<15	1.53	32	29	0.51	464	<4
33015	648	2	0.81	72	8	27	36	4.57	<15	2.02	33	20	0.42	587	<4
33017	677	2	1.79	69	10	35	20	3.09	<15	1.62	31	22	0.72	498	<4
33018	509	1	3.26	117	13	69	15	6.42	<15	1.21	53	16	0.81	959	<4
33019	659	2	2.04	55	8	26	22	2.79	<15	1.54	26	22	0.67	504	<4
33020	622	2	2.12	70	8	29	16	3.14	<15	1.65	31	23	0.64	471	<4
33021	601	2	2.72	55	7	29	19	2.62	<15	1.46	25	22	0.67	402	<4
33022	644	2	3.36	63	10	37	20	3.75	<15	1.70	30	27	0.85	604	<4
33023	621	2	2.55	62	9	35	18	3.22	<15	1.66	30	25	0.80	530	<4
33024	567	2	4.72	54	8	29	29	2.19	<15	1.56	28	24	0.89	438	<4
33025	869	1	5.47	75	14	51	17	5.89	<15	1.33	34	22	0.64	923	<4
33026	615	2	2.03	89	15	52	14	7.86	<15	1.26	38	20	0.42	736	<4
33027	641	2	5.87	38	7	21	27	2.48	<15	1.49	21	27	0.89	552	<4
33028	538	1	4.21	32	4	21	10	1.89	<15	1.02	16	17	0.77	557	<4
33029	640	1	8.77	55	9	47	16	2.78	<15	0.94	26	19	0.73	608	<4
33030	480	2	6.28	93	5	21	17	2.76	<15	1.54	50	22	1.15	496	<4
33031	291	3	4.78	72	22	41	26	10.75	<15	0.86	29	23	1.63	2026	<4
33032	371	3	3.68	104	26	94	64	10.68	<15	1.08	42	35	1.95	1541	<4
33033	379	3	5.16	109	24	107	50	8.35	<15	1.09	46	24	2.27	1347	<4
33389	498	2	5.41	46	8	33	27	2.23	<15	1.19	25	29	0.99	388	<4
33390	746	2	3.49	55	8	46	16	3.25	<15	1.70	27	22	0.59	482	<4
33391	641	2	2.59	61	7	52	13	3.65	<15	1.57	30	18	0.66	453	<4
33393	522	2	1.78	45	7	44	11	2.95	<15	1.36	21	17	0.51	378	<4
33394	563	2	2.60	85	12	88	16	7.28	<15	1.19	42	16	0.47	843	<4
33395	570	2	3.05	93	10	51	20	5.36	<15	1.29	46	18	0.55	676	<4
33523	586	2	4.63	74	12	85	18	5.55	<15	1.08	37	15	0.67	747	<4
33524	579	2	3.76	79	16	128	23	8.88	25	1.26	39	15	0.66	975	<4
33526	618	2	2.82	49	8	42	15	2.88	<15	1.51	25	21	0.68	437	<4
33529	605	2	2.31	55	8	38	15	2.53	<15	1.48	26	21	0.57	453	<4
33530	593	3	2.04	105	13	117	24	7.02	<15	1.49	47	22	0.54	851	<4
33545	583	2	0.90	72	9	40	28	3.02	16	1.74	35	32	0.75	546	<4
33546	634	2	3.69	69	10	69	22	3.54	<15	1.37	31	23	0.74	505	<4
33547	533	2	4.18	44	7	42	22	2.38	<15	1.56	22	30	1.05	426	<4
33549	483	1	10.94	34	5	22	13	1.40	<15	1.15	16	23	0.84	370	<4
33550	530	2	2.97	98	18	108	23	10.18	<15	1.27	47	21	0.84	1235	<4
33620	576	2	0.98	77	15	51	42	3.93	<15	1.76	36	36	0.92	705	<4
33621	565	2	1.76	54	12	61	26	3.30	<15	1.44	27	20	1.23	526	<4
33623	500	2	0.59	36	7	42	20	2.73	<15	1.67	18	33	0.53	352	<4
33624	601	2	1.34	55	6	42	31	2.89	<15	1.65	29	28	0.71	461	<4
33625	541	2	0.58	62	10	44	25	3.68	<15	1.58	33	33	0.64	477	<4
33626	624	1	1.36	54	6	27	21	2.39	<15	1.58	28	23	0.67	401	<4
33627	692	1	2.22	46	6	25	15	2.41	<15	1.47	22	24	0.71	405	<4
33628	601	2	1.41	58	7	32	20	2.82	15	1.67	30	25	0.72	399	<4
33629	647	1	1.11	49	6	25	19	2.33	<15	1.91	25	25	0.50	381	<4
33630	666	1	3.29	60	9	28	27	2.68	<15	1.56	27	34	1.09	462	<4
33633	595	2	1.53	62	7	32	20	3.03	<15	1.86	30	36	0.74	405	<4
33634	510	2	1.03	112	9	27	19	4.14	<15	1.86	51	23	0.64	599	<4
33635	547	2	1.64	73	8	32	44	2.84	<15	2.01	34	42	1.03	550	<4
33637	641	2	1.14	68	9	30	22	2.72	<15	2.14	31	35	0.79	524	<4
33638	617	2	1.83	69	8	26	20	2.49	<15	1.90	33	42	0.95	508	<4
33639	683	2	1.70	83	7	27	14	2.75	<15	1.86	39	26	0.54	465	<4
33640	461	1	1.98	45	6	18	19	1.93	<15	1.45	22	38	0.74	364	<4
33641	755	1	2.32	68	10	47	21	2.74	<15	1.60	33	33	1.26	433	<4
33642	679	1	2.06	91	11	56	17	3.88	<15	1.46	43	25	0.86	597	<4
33644	538	2	1.38	63	8	32	22	2.59	<15	1.79	30	28	0.70	430	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
33014	0.88	16	18	469	23	6	167	7	3812	79	18	65	66
33015	1.39	11	10	955	22	7	307	5	4986	125	20	110	81
33017	1.46	18	16	596	25	6	401	9	3802	67	16	60	106
33018	1.36	28	18	904	21	7	317	8	10003	186	27	114	76
33019	1.23	13	13	465	17	6	334	<2	3405	62	15	54	81
33020	1.42	17	13	488	17	5	289	2	4241	79	18	52	62
33021	1.11	13	12	417	21	5	279	9	3348	64	14	47	69
33022	1.27	14	15	694	27	6	319	11	4461	97	17	71	78
33023	1.24	14	15	704	26	5	310	9	3892	83	16	62	80
33024	0.93	12	13	814	29	5	291	12	2725	51	14	58	72
33025	1.15	18	17	594	25	5	324	11	6815	172	16	53	90
33026	0.96	21	10	608	24	5	196	7	6984	195	26	86	141
33027	1.00	9	7	816	17	5	229	<2	2625	61	14	54	66
33028	0.75	11	6	360	12	3	201	4	2653	53	11	36	73
33029	1.08	13	14	682	24	5	408	9	3249	74	15	58	81
33030	0.93	15	8	725	36	4	134	39	2336	39	21	52	81
33031	0.94	16	15	3816	23	23	135	31	18466	269	41	127	56
33032	0.95	17	42	1802	16	25	127	5	11797	293	48	135	58
33033	0.90	22	45	1224	38	19	130	19	8852	198	47	124	54
33389	0.73	10	16	671	21	6	296	10	2542	55	13	51	73
33390	1.58	13	15	493	21	5	381	10	3775	89	14	54	72
33391	1.65	16	14	526	23	6	364	6	4017	99	16	54	62
33393	1.23	11	14	360	15	4	278	11	3582	81	12	48	61
33394	1.15	21	20	555	29	6	300	10	7385	198	19	108	75
33395	1.24	18	17	612	21	6	323	12	5868	141	19	81	66
33523	0.96	19	18	513	32	6	301	19	6031	166	17	89	76
33524	1.07	23	27	586	26	7	297	7	8963	253	20	131	94
33526	1.46	12	13	513	10	5	341	5	3510	76	13	52	70
33529	1.27	14	15	508	<10	5	304	5	3216	66	13	46	74
33530	1.38	28	26	440	21	6	276	14	8051	189	27	112	87
33545	0.92	13	18	682	33	8	178	9	3269	60	19	74	101
33546	1.45	14	18	516	13	6	400	7	4467	99	16	60	80
33547	1.28	11	15	446	19	5	314	7	3120	65	13	49	69
33549	1.05	13	8	357	14	3	424	8	1760	37	9	31	51
33550	1.17	24	31	920	27	8	321	38	10039	271	26	170	92
33620	0.78	24	44	1088	49	9	189	12	4848	76	19	50	114
33621	1.11	23	38	662	22	8	274	6	5259	76	14	54	86
33623	0.98	15	25	270	22	5	156	4	3453	61	11	56	79
33624	1.10	15	25	454	31	6	220	7	3950	61	16	74	80
33625	0.77	18	29	612	25	9	164	11	4084	78	18	68	95
33626	1.17	12	13	497	34	5	281	12	2678	52	13	62	66
33627	1.50	9	10	521	20	5	418	5	2834	61	11	49	55
33628	1.10	12	16	362	22	6	237	8	3214	63	15	66	68
33629	1.61	12	11	305	19	4	281	4	3083	56	13	55	57
33630	1.02	12	18	720	23	6	365	9	2711	60	14	65	77
33633	1.10	13	18	315	17	6	243	7	3450	71	16	65	78
33634	1.47	27	12	742	36	6	183	23	4842	90	29	66	47
33635	0.95	17	17	840	50	7	207	10	2770	53	18	50	91
33637	1.28	14	17	414	28	6	254	13	2986	58	16	65	79
33638	1.22	15	13	490	25	6	314	15	2665	51	18	60	88
33639	1.85	15	10	271	19	5	325	6	3357	67	21	58	64
33640	0.99	10	11	342	14	5	283	6	1997	35	15	48	72
33641	1.39	11	50	850	<10	6	443	8	3424	56	17	58	82
33642	1.92	13	25	531	15	7	366	5	4772	100	25	71	71
33644	1.50	11	18	360	31	7	251	15	2672	52	18	57	85

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
33645	H	35	32.501	107.145	2	97	06/15/77	12	40.0		C			
33646	M	35	32.484	107.123	2	15	06/15/77	12	40.0		C			
33647	M	35	32.469	107.103	2	15	06/15/77	12	39.0		C			
33648	M	35	32.452	107.099	2	15	06/15/77	12	39.0		C			
33649	M	35	32.457	107.087	2	15	06/15/77	12	38.0					
33650	H	35	32.255	107.219	2	97	06/14/77	19	37.0					
33652	M	35	32.339	107.247	2	15	06/14/77	18	38.0					
33653	M	35	32.369	107.245	2	15	06/14/77	18	39.0					
33654	M	35	32.393	107.226	2	15	06/14/77	17	39.0		C			
33655	M	35	32.487	107.222	2	15	06/14/77	16	41.0		C			
33656	M	35	32.505	107.242	2	15	06/14/77	16	40.0		C			
33657	M	35	32.492	107.239	2	15	06/14/77	15	39.0					
33658	M	35	32.467	107.242	2	15	06/14/77	14	39.0					
33659	M	35	32.472	107.234	2	15	06/14/77	14	39.0		C			
33660	M	35	32.477	107.198	2	15	06/14/77	14	38.0		C			
33661	H	35	32.457	107.195	2	97	06/14/77	13	38.0					
33662	M	35	32.450	107.209	2	15	06/14/77	13	38.0		C			
33663	M	35	32.432	107.216	2	15	06/14/77	13	38.0		C			
33664	M	35	32.422	107.243	2	15	06/14/77	12	37.0		C			
33665	M	35	32.427	107.231	2	15	06/14/77	12	35.0		C			
33666	M	35	32.397	107.133	2	15	06/12/77	20	28.0					
33667	M	35	32.422	107.113	2	15	06/12/77	19	29.0					
33668	M	35	32.431	107.060	2	15	06/12/77	18	30.0					
33669	M	35	32.436	107.077	2	15	06/12/77	18	32.0		C			
33670	M	35	32.390	107.052	2	15	06/12/77	18	32.0					
33671	M	35	32.385	107.035	2	15	06/12/77	17	34.0					
33673	M	35	32.399	107.080	2	15	06/12/77	16	36.0					
33674	M	35	32.398	107.098	2	15	06/12/77	16	36.0					
33675	M	35	32.366	107.108	2	15	06/12/77	16	36.0					
33676	M	35	32.350	107.109	2	15	06/12/77	16	37.0					
33677	M	35	32.288	107.111	2	15	06/12/77	15	37.0					
33678	M	35	32.337	107.111	2	15	06/12/77	15	36.0					
33679	M	35	32.332	107.089	2	15	06/12/77	15	36.0					
33680	H	35	32.320	107.087	2	97	06/12/77	15	37.0					
33681	H	35	32.321	107.069	2	96	06/12/77	14	35.0					
33682	M	35	32.279	107.028	2	15	06/12/77	14	36.0					
33683	M	35	32.258	107.049	2	15	07/12/77	14	35.0					
33684	M	35	32.312	107.046	2	15	06/11/77	18	32.0					
33685	M	35	32.302	107.049	2	15	06/11/77	18	33.0					
33686	M	35	32.292	107.034	2	15	06/11/77	18	33.0					
33688	M	35	32.402	106.867	2	15	06/13/77	12	35.0		C			
33689	M	35	32.423	106.879	2	15	06/13/77	12	35.0					
33690	M	35	32.438	106.899	2	15	06/13/77	13	35.0					
33691	M	35	32.456	106.906	2	15	06/13/77	13	35.0					
33692	M	35	32.469	106.915	2	15	06/13/77	13	35.0		C			
33693	M	35	32.353	106.852	2	15	06/11/77	17	35.0					
33694	M	35	32.365	106.877	2	15	06/11/77	16	37.0		C			
33695	M	35	32.482	107.001	2	15	06/11/77	15	38.0		C			
33696	M	35	32.477	106.995	2	15	06/11/77	14	38.0		C			
33699	M	35	32.480	106.949	2	15	06/11/77	13	37.0		C			
33700	M	35	32.497	106.946	2	15	06/11/77	12	36.0					
33702	M	35	32.493	107.294	2	15	06/11/77	17	34.0					
33703	M	35	32.465	107.330	2	15	06/11/77	17	34.0					
33705	M	35	32.436	107.347	2	15	06/11/77	17	33.0					
33706	H	35	32.402	107.359	2	97	06/11/77	17	33.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
33645	1	9	3	9	5	8			4	1	1.90	<2	7.38	<10
33646	1	15	3	9	5	7			4	1	2.30	<2	7.09	14
33647	1	9	3	9	4	2			2	1	2.50	<2	6.10	<10
33648	9	8	4		5	7			2	1	2.10	<2	7.30	12
33649	1	9	1	4	5	7			3	1	1.60	<2	7.38	10
33650	1	8	4		5	6			1	2	2.30	<2	6.34	<10
33652	1	10	3	8	5	6			3	2	2.20	<2	6.73	<10
33653	1	10	3	8	5	6			2	2	2.50	<2	7.57	16
33654	1	13	3	9	4	6			2	2	2.20	<2	6.11	<10
33655	1	12	3	9	2	7			3	2	2.70	<2	7.66	<10
33656	1	8	3	8	2	7			3	2	2.30	<2	7.08	<10
33657	1	10	3	8	4	7			3	2	2.80	<2	6.57	<10
33658	1	6	3	8	4	7			3	2	2.50	<2	6.90	11
33659	1	4	3	8	5	7			3	2	2.30	<2	7.26	<10
33660	1	14	3	1	4	6			3	2	2.70	<2	7.64	<10
33661	1	14	3	1	5	7			3	1	2.40	<2	7.12	10
33662	1	13	3	1	5	7			3	1	2.50	<2	8.18	<10
33663	1	14	3	1	5	7			3	1	2.90	<2	7.14	10
33664	1	10	3	1	5	6			3	1	2.60	<2	7.72	11
33665	1	15	3	9	3	7			3	1	2.40	<2	7.21	<10
33666	1	3	4		5	7			1	2	2.10	<2	7.10	10
33667	1	4	4		4	7			2	2	1.90	<2	7.03	<10
33668	1	9	4		5	7			2	3	2.20	<2	6.67	10
33669	9	7	3	7	4	7			2	3	2.70	<2	5.39	<10
33670	1	6	3	4	5	7			2	3	2.50	<2	7.37	16
33671	1	17	3	4	3	7			3	3	2.60	<2	6.37	11
33673	1	4	3	7	5	7			2	2	1.80	<2	7.82	10
33674	1	6	3	7	5	7			2	2	1.70	<2	7.59	11
33675	1	4	3	8	4	7			2	2	1.70	<2	7.19	<10
33676	1	5	3	8	4	6			2	2	1.90	<2	7.77	11
33677	1	4	4		4	7			1	2	2.50	<2	6.01	<10
33678	1	7	3	8	4	7			3	2	2.60	<2	7.32	<10
33679	1	9	4		5	7			2	2	2.00	<2	7.40	10
33680	1	9	4		5	7			2	2	1.90	<2	7.57	12
33681	1	11	4		5	6			2	2	2.50	<2	7.38	12
33682	1	2	4		4	6			3	2	2.60	<2	5.34	<10
33683	1	6	4		4	6			2	2	2.00	<2	5.70	<10
33684	1	19	3	7	3	7			3	2	3.70	<2	6.37	<10
33685	1	9	1	4	4	7			3	2	2.80	<2	5.94	<10
33686	1	11	4	7	4	6			3	1	2.10	<2	5.64	<10
33688	1	10			4	6			3	1	2.60	<2	4.84	18
33689	1	11	4		4	6			3	1	3.20	<2	4.69	12
33690	1	9	2	6	4	6			4	1	3.80	<2	4.40	12
33691	1	7	3	8	4	6			4	1	2.50	<2	4.29	12
33692	1	18			5	6			4	1	3.20	<2	4.36	12
33693	1	11	4		6	6			3	2	2.70	<2	4.36	23
33694	8	3	1	7	4	7			3	2	3.50	<2	4.24	20
33695	1	11	1	4	3	7			3	2	2.30	<2	6.37	<10
33696	1	25			3	7			3	2	2.80	<2	5.80	13
33699	9	9	1	1	4	6			3	2	2.50	2	5.18	<10
33700	1	11	3	4	4	7			3	2	1.80	<2	7.44	<10
33702	1	9	3	8	4	6			2	1	2.30	<2	7.29	10
33703	1	9			5	6			2	1	2.30	<2	7.37	13
33705	1	11			5	6			2	1	2.10	<2	6.60	10
33706	1	9	3	7	5	6			2	1	2.30	<2	8.21	17

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
33645	517	2	1.94	65	6	18	14	2.10	<15	1.48	30	63	1.28	449	<4
33646	495	2	2.98	65	9	25	26	2.53	<15	1.70	28	40	1.03	412	<4
33647	583	1	2.04	72	9	33	13	3.27	<15	1.41	34	23	0.62	575	<4
33648	789	1	2.73	50	5	25	12	1.94	<15	1.61	25	25	0.49	359	<4
33649	807	1	3.43	45	10	26	22	3.19	<15	1.76	18	37	1.04	559	<4
33650	565	1	3.18	89	7	28	15	2.92	<15	1.60	43	32	0.63	367	<4
33652	635	1	1.21	54	6	25	17	2.14	<15	1.83	27	26	0.55	344	<4
33653	570	2	1.30	64	7	27	25	2.61	<15	1.99	32	40	0.84	503	<4
33654	622	1	0.98	65	5	23	11	2.24	<15	1.74	34	23	0.35	337	<4
33655	586	2	2.02	99	8	27	18	3.61	<15	1.85	46	35	0.82	644	<4
33656	647	1	2.11	75	13	57	28	3.58	<15	1.45	33	21	0.89	571	<4
33657	524	1	2.12	178	17	77	16	7.11	15	1.24	86	17	0.96	866	<4
33658	586	1	2.50	70	11	47	29	3.66	<15	1.36	31	26	0.85	571	<4
33659	573	2	1.72	67	9	51	18	3.40	<15	1.57	32	23	0.84	469	<4
33660	610	2	1.99	101	7	19	12	3.47	<15	1.85	50	26	0.58	585	<4
33661	544	2	1.72	52	5	15	14	1.92	<15	2.10	25	41	0.79	432	<4
33662	645	2	2.12	106	7	19	10	2.77	22	1.79	53	26	0.67	514	<4
33663	591	2	1.18	65	5	28	18	2.48	<15	2.17	33	33	0.51	393	<4
33664	580	2	0.99	73	7	29	17	2.96	<15	2.06	38	32	0.61	439	<4
33665	612	1	1.51	72	8	30	20	2.75	<15	1.80	34	30	0.67	468	<4
33666	695	1	3.54	46	7	26	18	2.68	<15	1.75	21	27	0.75	497	<4
33667	695	1	2.91	65	11	43	19	4.83	<15	1.28	30	27	0.98	712	<4
33668	627	2	1.16	57	7	26	17	2.31	<15	1.61	30	28	0.67	457	<4
33669	575	<1	1.89	78	27	94	30	13.06	<15	0.87	32	18	0.73	2255	<4
33670	593	2	1.20	61	7	28	21	2.55	<15	2.01	29	36	0.75	493	<4
33671	579	1	2.16	56	6	25	15	2.38	<15	1.89	28	29	0.56	387	<4
33673	682	1	1.35	51	7	31	21	2.78	<15	1.85	26	28	0.75	458	<4
33674	707	1	1.26	57	10	33	25	2.92	<15	1.66	26	25	0.99	658	<4
33675	632	1	1.76	53	9	36	16	3.43	<15	1.41	24	25	0.72	464	<4
33676	619	1	1.44	57	10	35	24	3.46	<15	1.62	29	33	1.04	473	<4
33677	592	1	1.38	78	9	41	14	4.29	<15	1.57	39	23	0.43	572	<4
33678	745	1	1.53	70	7	21	13	3.90	<15	1.69	33	22	0.67	607	<4
33679	612	2	1.41	62	9	33	23	3.10	20	1.64	30	32	0.86	527	<4
33680	621	2	1.82	55	7	28	24	2.71	18	1.90	27	37	0.81	413	<4
33681	544	2	0.83	59	7	29	17	3.08	<15	1.86	30	35	0.84	443	<4
33682	559	1	0.77	105	9	38	11	4.29	<15	1.46	56	20	0.34	615	<4
33683	609	1	1.09	58	6	29	10	2.75	<15	1.55	30	21	0.34	360	<4
33684	639	2	1.79	66	8	29	17	3.04	<15	1.72	32	28	0.53	467	<4
33685	648	2	2.42	62	7	36	18	2.63	<15	1.57	27	28	0.73	428	<4
33686	619	1	1.00	60	5	29	11	2.31	20	1.57	30	24	0.43	347	<4
33688	676	1	5.39	41	5	24	24	1.83	<15	1.45	18	30	0.97	397	<4
33689	733	1	4.92	44	6	24	18	1.91	18	1.37	20	21	0.58	398	<4
33690	771	2	4.71	49	6	32	16	2.56	<15	1.25	23	25	0.42	629	<4
33691	590	1	2.37	48	6	26	14	1.99	28	1.29	21	24	0.67	372	<4
33692	568	1	3.57	47	8	28	16	2.59	15	1.25	23	22	1.05	563	<4
33693	541	1	6.05	42	6	29	20	1.98	<15	1.12	21	25	0.88	389	<4
33694	910	2	7.60	50	10	45	19	3.98	<15	1.22	20	35	0.64	687	<4
33695	515	2	2.76	67	8	29	17	2.53	<15	1.94	28	26	0.58	715	<4
33696	489	2	2.28	56	4	20	18	1.74	17	1.72	27	25	0.63	397	<4
33699	831	1	5.00	57	10	54	16	3.26	<15	1.11	25	17	0.77	554	<4
33700	1376	1	5.02	63	25	134	28	6.40	<15	1.06	28	14	1.64	947	<4
33702	658	2	1.56	64	9	41	21	2.70	<15	1.72	31	25	0.67	473	<4
33703	584	2	1.39	58	10	43	28	3.08	<15	1.81	29	37	0.81	526	<4
33705	683	1	1.71	57	8	35	22	2.66	34	1.77	28	25	0.57	471	<4
33706	665	2	1.10	74	11	38	40	3.24	17	1.94	37	43	0.85	616	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
33645	1.08	14	9	323	27	5	336	14	2263	39	21	51	85
33646	1.28	16	13	523	22	6	347	10	2693	60	14	58	87
33647	1.54	15	12	369	13	5	362	4	4111	89	14	66	61
33648	2.33	12	9	410	13	4	536	<2	2604	56	12	38	52
33649	1.44	8	12	785	12	6	454	<2	3164	79	10	72	58
33650	1.06	17	13	259	18	5	266	5	3558	72	19	60	60
33652	1.51	12	15	310	22	5	287	9	2571	50	14	52	63
33653	1.19	13	18	583	27	7	234	2	2633	50	18	71	81
33654	1.54	12	9	171	25	4	241	11	2992	55	15	47	48
33655	1.80	14	13	362	17	7	296	6	3871	82	26	76	68
33656	1.53	12	30	514	26	8	345	12	3919	88	17	65	35
33657	1.62	20	30	251	19	10	329	3	7963	208	39	122	65
33658	1.32	12	24	338	18	7	298	6	3809	87	19	70	72
33659	1.47	13	21	256	16	7	305	8	3690	79	18	60	72
33660	1.91	14	9	216	27	6	309	10	3886	78	28	72	59
33661	1.09	11	10	360	14	5	319	12	2055	35	18	50	79
33662	2.15	15	10	304	11	6	334	8	3221	63	32	57	52
33663	1.68	14	10	315	15	5	247	7	3108	57	16	55	68
33664	1.45	13	11	257	16	6	259	5	3381	65	20	67	75
33665	1.48	11	16	355	30	6	277	13	3019	60	18	60	68
33666	1.62	13	12	485	22	5	436	7	3204	69	12	56	67
33667	1.36	13	16	558	20	7	445	<2	5089	124	14	93	65
33668	1.21	13	15	430	26	6	268	6	2508	49	16	54	78
33669	1.46	14	40	823	25	7	469	<2	10572	355	14	347	91
33670	1.24	12	15	490	20	6	225	7	2761	52	18	63	83
33671	1.45	15	11	268	14	4	267	5	3110	55	15	53	66
33673	1.95	11	17	512	17	6	472	<2	2978	64	13	66	63
33674	1.35	11	19	728	19	7	370	<2	2993	59	13	68	77
33675	1.71	12	14	337	13	6	473	<2	3887	90	12	63	56
33676	1.01	12	16	641	24	8	350	3	3250	73	16	74	77
33677	1.36	22	14	165	23	5	288	7	5814	114	16	75	65
33678	1.79	14	7	901	<10	7	376	10	6228	96	19	78	126
33679	1.13	11	20	630	28	7	306	12	3164	65	16	71	82
33680	1.27	13	14	590	23	6	292	6	2786	57	15	67	73
33681	1.23	15	14	436	15	7	244	8	3423	64	19	67	86
33682	1.17	21	13	153	17	5	223	4	6550	119	22	75	62
33683	1.33	12	10	152	23	4	258	8	3978	72	12	49	53
33684	1.59	20	11	392	16	5	316	6	4227	80	17	57	67
33685	1.65	16	12	406	20	5	367	11	3739	69	15	52	64
33686	1.40	15	13	182	20	4	249	6	3382	59	15	46	56
33688	1.01	8	12	585	22	4	327	2	2225	44	13	54	58
33689	1.11	10	12	486	19	4	348	6	2410	56	12	48	58
33690	1.18	12	12	499	23	4	312	4	3481	73	14	60	65
33691	1.86	9	10	404	14	4	300	4	2970	55	12	39	67
33692	0.86	12	12	474	21	5	240	11	3143	72	13	57	62
33693	0.78	9	14	681	27	5	346	13	2398	50	12	49	62
33694	0.70	16	18	408	27	6	289	8	4904	109	12	66	76
33695	1.66	20	11	343	26	4	496	12	3595	69	18	60	74
33696	1.26	14	9	269	26	4	237	6	2329	38	16	48	73
33699	1.10	13	14	628	18	5	508	8	3893	104	12	72	63
33700	1.70	10	39	1457	22	8	887	6	6766	202	12	117	81
33702	1.63	12	26	299	24	7	292	10	3114	62	18	53	77
33703	1.13	10	28	582	15	8	211	4	3277	64	19	66	83
33705	1.43	12	15	465	19	6	287	8	3280	65	16	56	68
33706	0.96	14	22	746	36	9	200	6	3303	62	20	86	101

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
33708	H	35	32.377	107.388	2	96	06/11/77	18	33.0					
33710	H	35	32.261	107.348	2	97	06/12/77	14	33.0					
33711	M	35	32.312	107.343	2	15	06/12/77	15	34.0					
33713	H	35	32.331	107.345	2	97	06/12/77	15	34.0					
33715	H	35	32.372	107.354	2	97	06/12/77	15	34.0					
33716	H	35	32.374	107.328	2	97	06/12/77	16	34.0					
33717	M	35	32.416	107.329	2	15	06/12/77	16	34.0					
33718	H	35	32.417	107.301	2	97	06/12/77	16	33.0					
33719	M	35	32.453	107.306	2	15	06/12/77	16	34.0					
33720	M	35	32.416	107.263	2	15	06/12/77	16	33.0					
33722	H	35	32.379	107.289	2	97	06/12/77	18	33.0					
33724	M	35	32.342	107.290	2	15	06/12/77	18	33.0					
33726	H	35	32.284	107.288	2	96	06/14/77	10	33.0		C			
33727	H	35	32.380	107.253	2	97	06/14/77	11	35.0		C			
33728	H	35	32.358	107.251	2	97	06/14/77	12	35.0					
33729	H	35	32.323	107.261	2	97	06/14/77	13	35.0					
33731	H	35	32.294	107.299	2	97	06/14/77	13	35.0					
33732	M	35	32.230	107.226	2	15	06/14/77	14	35.0					
33734	H	35	32.223	107.191	2	96	06/14/77	15	35.0					
33736	M	35	32.244	107.176	2	15	06/14/77	15	35.0		C			
33737	H	35	32.222	107.164	2	96	06/14/77	16	34.0					
33738	H	35	32.199	107.163	2	96	06/14/77	16	34.0					
33740	M	35	32.169	107.093	2	15	06/14/77	16	35.0					
33741	H	35	32.157	107.040	2	96	06/14/77	16	34.0		C			
33742	H	35	32.168	107.014	2	97	06/14/77	17	34.0					
33744	M	35	32.218	107.078	2	15	06/14/77	18	33.0					
33745	M	35	32.249	107.056	2	15	06/14/77	18	33.0					
33746	H	35	32.041	107.057	2	96	06/15/77	15	35.0					
33747	H	35	32.092	107.104	2	97	06/15/77	12	35.0					
33748	M	35	32.074	107.120	2	15	06/15/77	12	35.0					
33749	H	35	32.052	107.131	2	97	06/15/77	13	35.0					
33750	H	35	32.064	107.107	2	96	06/15/77	14	35.0					
33752	H	35	32.124	107.236	2	97	05/28/77	13	33.0					
33753	H	35	32.139	107.199	2	96	05/28/77	14	33.0					
33754	M	35	32.110	107.190	2	15	05/28/77	15	33.0					
33755	H	35	32.107	107.245	2	97	05/28/77	15	33.0					
33757	M	35	32.051	107.249	2	15	05/28/77	15	33.0					
33758	H	35	32.156	107.129	2	97	05/28/77	15	33.0					
33759	M	35	32.183	107.149	2	15	05/28/77	15	33.0					
33760	M	35	32.176	107.126	2	15	05/28/77	16	33.0					
33762	M	35	32.136	107.105	2	15	05/28/77	17	33.0					
33764	M	35	32.103	107.087	2	15	05/28/77	17	33.0					
33768	H	35	32.201	107.298	2	96	05/31/77	14	32.0					
33769	H	35	32.195	107.252	2	96	05/31/77	17	32.0					
33770	H	35	32.177	107.270	2	96	05/31/77	17	32.0					
33771	H	35	32.173	107.284	2	96	05/31/77	18	32.0					
33772	H	35	32.164	107.254	2	96	05/31/77	18	32.0					
33775	H	35	32.232	107.268	2	96	06/01/77	9	31.0					
33778	H	35	32.247	107.313	2	97	06/01/77	10	33.0					
33779	H	35	32.247	107.362	2	97	06/01/77	10	33.0					
33780	H	35	32.223	107.308	2	96	06/01/77	11	34.0					
33781	H	35	32.216	107.280	2	96	06/01/77	12	35.0					
33782	H	35	32.206	107.338	2	96	06/01/77	13	35.0					
33783	H	35	32.211	107.372	2	96	06/01/77	13	35.0					
33784	H	35	32.231	107.350	2	96	06/01/77	12	35.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
33708	1	14	3	7	5	6			2	1	2.30	<2	7.11	16
33710	1	5	3	8	4	6			2	2	2.70	<2	6.48	<10
33711	1	13	3	4	4	6			3	2	2.30	<2	6.35	<10
33713	1	8	3	8	5	6			2	2	2.20	<2	7.39	15
33715	1	4			4	6			2	2	2.30	<2	8.09	15
33716	1	3			5	6			2	2	2.30	<2	6.47	16
33717	1	11	1	1	5	6			2	2	2.60	<2	6.50	11
33718	1	4			5	6			2	2	2.00	<2	6.89	13
33719	1	7	3	8	4	6			2	2	2.00	<2	6.30	<10
33720	1	7	3	8	5	6			1	2	2.20	<2	7.62	10
33722	1	14	3	1	5	6			3	2	2.30	<2	7.07	<10
33724	1	13	3	7	5	6			2	2	2.20	<2	6.80	<10
33726	2	41			5	6			2	1	2.30	<2	6.88	14
33727	1	10			5	6			2	1	2.20	<2	6.93	11
33728	1	10	3	8	5	6			2	1	2.40	<2	7.14	17
33729	1	13	3	7	5	6			3	1	2.30	<2	7.16	11
33731	1	15	3	7	5	6			2	1	2.30	<2	6.36	16
33732	1	3	3	8	4	6			3	1	2.30	<2	5.69	<10
33734	1	9			5	6			1	1	2.10	<2	6.48	11
33736	9	8			5	6			1	1	2.00	<2	6.18	11
33737	1	5			5	6			1	1	2.10	<2	6.01	10
33738	1	9			5	6			1	1	1.70	<2	6.38	17
33740	1	10	3	7	5	6			3	1	2.20	<2	7.27	<10
33741	1	3	1	1	4	6			2	2	2.20	<2	6.05	11
33742	1	9			5	6			1	1	2.20	<2	7.96	17
33744	1	1	3	7	4	6			3	2	2.40	<2	7.17	<10
33745	1	1	3	8	4	6			2	1	2.80	<2	6.00	<10
33746	1	10			5	6			1	2	2.40	<2	6.81	15
33747	1	9	3	8	5	6			4	1	2.20	<2	6.59	11
33748	1	6	3	8	3	8			2	1	2.20	<2	5.60	13
33749	1	4	3	8	5	6			3	1	2.20	<2	6.61	12
33750	1	11	3	8	5	6			2	1	2.50	<2	6.24	13
33752		6			4	6			2	1	2.20	<2	6.11	17
33753		10			5	6			3	1	2.20	<2	6.43	15
33754		9	3	8	4	6			2	1	2.30	<2	6.32	13
33755		9			4	6			1	1	2.20	<2	7.58	26
33757		14	3	8	4	6			2	1	2.50	<2	6.44	11
33758		6	3	8	5	6			2	1	2.20	<2	7.18	24
33759		6	3	6	4	6			2	1	2.70	<2	5.53	13
33760		6	3	7	4	6			2	1	2.40	<2	6.25	15
33762		4	1	1	4	6			2	1	2.20	<2	5.23	<10
33764		8	3	8	4	6			2	1	2.10	<2	5.75	16
33768		7	1	1	5	6			2	3	2.20	<2	6.28	<10
33769		4	1	1	4	6			2	3	2.20	<2	6.03	10
33770		11	3	8	5	6			3	3	2.50	<2	5.45	32
33771		9	3	7	4	6			2	3	3.40	<2	5.47	10
33772		1	1	1	4	6			2	3	2.60	<2	6.16	14
33775		9			4	6			2	1	2.60	<2	6.41	<10
33778		23	3	7	5	1			2	1	2.50	<2	5.50	18
33779		7			5	1			2	1	2.30	<2	4.97	23
33780		6			4	6			2	1	2.40	<2	5.66	<10
33781		12			4	6			2	1	2.20	<2	6.09	18
33782		11			4	6			2	1	2.50	<2	6.16	26
33783		9	1	1	4	6			2	1	2.50	<2	5.65	11
33784		12			4	6			2	1	2.50	<2	6.75	11

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
33708	627	2	1.01	67	10	41	34	2.92	<15	1.88	35	30	0.67	425	<4
33710	648	2	1.26	61	7	32	20	2.79	<15	1.87	31	31	0.59	439	<4
33711	659	1	2.80	60	8	34	27	2.57	<15	1.58	29	25	0.73	409	<4
33713	634	2	1.34	65	10	36	26	3.02	29	1.73	31	37	0.77	500	<4
33715	849	2	0.94	63	9	36	28	3.10	<15	2.01	33	45	0.76	575	<4
33716	646	2	1.36	49	6	27	27	2.19	<15	2.18	26	31	0.65	441	<4
33717	651	2	1.10	78	10	37	27	2.99	<15	1.74	37	29	0.68	608	<4
33718	609	2	2.39	56	8	38	29	2.67	<15	1.62	28	38	0.77	393	<4
33719	638	1	1.11	44	7	35	19	2.26	<15	1.67	24	24	0.50	357	<4
33720	634	2	1.27	61	8	29	26	2.70	<15	1.89	30	37	0.73	502	<4
33722	661	2	1.88	62	6	25	13	2.56	<15	1.66	31	25	0.59	420	<4
33724	672	1	1.27	53	6	23	17	2.15	<15	1.91	27	29	0.52	380	<4
33726	586	2	2.99	59	6	27	23	2.48	<15	1.76	27	43	0.91	416	<4
33727	614	2	1.79	66	6	27	23	2.49	<15	1.75	31	34	0.77	424	<4
33728	509	2	1.55	65	9	30	30	2.82	<15	1.78	31	50	1.10	559	<4
33729	612	2	0.98	63	7	27	25	2.43	15	1.88	32	41	0.76	491	<4
33731	616	2	2.74	63	7	27	29	2.37	<15	1.50	28	38	0.98	400	<4
33732	637	1	0.88	62	6	29	13	2.21	<15	1.66	31	21	0.42	349	<4
33734	574	2	2.20	55	8	29	24	2.70	22	1.54	26	39	1.05	430	<4
33736	609	1	1.96	54	6	27	20	2.45	<15	1.51	28	32	0.92	370	<4
33737	636	1	1.04	44	4	24	18	2.07	<15	1.47	24	24	0.59	350	<4
33738	600	2	6.31	47	6	28	15	2.51	<15	1.27	24	26	0.89	319	<4
33740	759	1	1.42	53	9	47	25	3.18	<15	1.63	27	23	0.77	494	<4
33741	707	1	2.40	49	5	27	15	2.10	<15	1.73	25	23	0.44	334	<4
33742	703	2	1.04	56	7	34	66	2.83	<15	2.03	29	34	0.81	463	<4
33744	716	1	1.03	69	7	36	17	3.05	<15	1.99	37	29	0.50	483	<4
33745	589	1	0.82	56	6	37	14	3.28	15	1.66	28	30	0.50	447	<4
33746	612	2	1.45	59	10	41	41	2.95	33	1.91	29	37	0.93	589	<4
33747	582	2	1.53	55	10	41	31	2.84	<15	1.78	29	30	0.85	442	<4
33748	610	1	2.00	48	10	57	23	2.93	<15	1.46	25	21	0.97	452	<4
33749	617	2	0.77	63	9	50	24	3.00	<15	1.69	33	28	0.61	503	<4
33750	583	2	0.92	54	10	52	29	3.20	<15	1.65	28	26	0.71	563	<4
33752	501	2	1.70	54	11	42	30	3.23	<15	1.49	26	30	0.89	553	<4
33753	647	2	1.20	54	8	37	23	2.72	<15	1.86	27	27	0.62	412	<4
33754	598	2	0.78	47	9	45	22	2.82	<15	1.65	25	25	0.67	437	<4
33755	558	2	1.92	67	14	47	41	4.06	<15	1.75	32	35	1.08	677	<4
33757	654	2	1.12	52	7	42	20	2.65	<15	1.86	28	25	0.57	378	<4
33758	576	2	1.25	63	9	48	35	3.41	<15	1.87	32	42	0.86	492	<4
33759	621	2	1.09	59	6	37	15	2.87	<15	1.59	30	22	0.40	391	<4
33760	589	2	1.13	62	8	42	21	3.24	<15	1.45	32	28	0.69	476	<4
33762	601	1	2.13	40	5	31	16	2.03	<15	1.66	21	21	0.49	309	<4
33764	669	2	1.67	45	5	23	17	1.82	<15	1.92	22	28	0.58	271	<4
33768	681	2	2.01	60	7	33	17	2.96	<15	1.47	29	22	0.65	436	<4
33769	637	2	1.08	49	4	30	11	2.42	<15	1.78	27	27	0.41	306	<4
33770	571	2	4.77	47	5	26	19	2.26	<15	1.49	23	69	1.61	412	<4
33771	656	1	0.71	43	<4	21	12	1.99	<15	1.82	22	22	0.21	286	<4
33772	637	2	0.76	55	5	31	16	2.35	<15	1.84	28	31	0.38	292	<4
33775	680	2	0.96	63	6	31	14	2.99	<15	1.83	34	26	0.41	403	<4
33778	515	2	5.00	56	6	28	18	2.35	<15	1.23	28	36	0.94	361	<4
33779	539	1	6.73	43	4	21	10	1.92	<15	1.28	25	33	0.84	234	<4
33780	692	1	0.94	42	<4	18	9	1.72	<15	1.61	26	18	0.30	244	<4
33781	602	2	4.17	59	7	33	49	2.97	<15	1.43	33	26	0.63	380	5
33782	577	2	3.72	59	6	31	16	2.87	<15	1.70	31	29	0.78	365	<4
33783	649	2	1.99	60	5	34	14	2.86	<15	1.55	31	23	0.50	406	<4
33784	653	2	0.96	67	7	36	20	2.94	<15	1.89	35	29	0.50	397	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
33708	1.31	13	23	686	19	7	307	5	3490	68	16	65	92
33710	1.58	15	14	331	26	5	283	7	3626	69	16	64	63
33711	1.60	13	16	390	31	5	365	14	3176	66	13	58	66
33713	1.36	12	21	441	25	8	291	5	3405	66	17	65	92
33715	1.20	12	21	559	23	8	223	3	3319	63	20	70	92
33716	1.46	11	14	653	22	5	250	<2	2646	48	16	65	65
33717	1.24	15	20	612	31	7	233	6	3713	71	18	68	83
33718	1.03	12	27	460	24	7	253	10	2729	55	17	62	77
33719	1.60	9	15	319	15	5	283	6	2884	55	14	45	59
33720	1.57	10	16	410	21	7	262	6	3002	55	19	62	80
33722	1.99	12	8	220	17	6	316	4	3164	62	20	52	57
33724	1.80	11	12	318	19	5	282	5	2768	51	16	45	59
33726	1.10	12	19	437	15	6	276	<2	2631	50	17	61	77
33727	1.39	13	13	390	15	6	275	5	2838	52	18	60	71
33728	0.74	13	20	610	28	8	197	11	2688	51	20	76	96
33729	1.24	13	14	476	24	7	226	8	2658	48	19	61	85
33731	1.13	11	18	559	24	6	369	11	2553	58	14	61	78
33732	1.57	16	14	291	27	5	258	10	3605	57	15	44	52
33734	0.91	12	17	540	18	7	263	6	2893	62	15	64	76
33736	1.03	12	13	508	10	6	302	8	2775	57	14	54	68
33737	1.28	10	13	330	21	5	290	4	2598	45	14	45	65
33738	1.12	13	15	301	20	5	367	3	3088	55	13	45	62
33740	1.53	12	25	483	18	5	398	2	4217	81	13	62	72
33741	1.25	11	12	239	20	4	253	8	3096	52	12	42	50
33742	1.10	13	24	568	28	6	226	7	3166	56	15	75	82
33744	1.59	15	16	240	<10	5	290	<2	4833	82	14	61	68
33745	1.27	17	15	169	<10	5	236	<2	4964	85	16	60	67
33746	1.00	16	32	878	36	8	214	5	3573	60	18	80	88
33747	1.02	16	31	664	28	8	218	12	3732	58	15	63	86
33748	1.09	18	36	597	16	7	278	5	4385	65	13	51	78
33749	0.95	18	28	576	23	8	179	4	3906	67	18	58	90
33750	1.04	20	30	787	27	8	205	5	4532	68	16	70	98
33752	0.80	19	31	734	26	8	216	10	4462	69	14	64	90
33753	1.36	13	21	625	20	6	245	7	3638	62	15	66	78
33754	1.07	17	32	564	21	7	204	6	3806	57	14	57	79
33755	0.75	24	38	1144	22	10	218	3	5193	78	18	90	111
33757	1.43	17	21	429	17	6	253	6	4067	63	14	57	80
33758	0.79	15	36	908	30	9	174	5	3435	64	19	87	99
33759	1.22	18	14	229	20	5	234	11	4338	74	15	55	67
33760	1.01	15	21	348	21	6	267	9	4096	75	15	68	81
33762	1.24	14	14	322	21	4	234	2	3211	48	12	44	58
33764	1.48	12	12	589	15	4	311	4	2354	58	11	42	60
33768	1.51	16	11	413	28	6	402	7	3966	75	15	55	66
33769	1.36	15	12	176	<10	4	241	2	3483	59	14	48	56
33770	0.96	11	14	752	23	5	602	7	2306	57	13	62	57
33771	1.58	16	6	169	22	3	234	<2	3332	49	12	39	45
33772	1.32	17	13	212	18	5	213	3	3130	54	14	45	60
33775	1.60	16	11	196	21	5	263	4	4049	71	15	59	55
33778	0.78	14	16	390	27	6	351	10	2539	52	16	60	75
33779	1.02	14	9	191	13	4	475	<2	2257	48	16	41	57
33780	1.62	10	5	119	16	3	269	4	2428	38	13	42	38
33781	1.15	17	16	277	26	5	340	10	3682	69	16	67	67
33782	1.33	15	16	229	11	5	318	5	3481	67	16	61	64
33783	1.37	16	10	215	21	5	318	6	4061	70	15	56	59
33784	1.54	16	13	234	18	5	267	9	3809	69	18	60	74

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	COMM	MEAS	PH	CT-F
33785	H	35	32.193	107.349	2	96	06/01/77	13	35.0					
33786	H	35	32.161	107.349	2	96	06/01/77	13	35.0					
33788	M	35	32.160	107.372	2	15	06/01/77	14	35.0					
33789	H	35	32.141	107.351	2	96	06/01/77	14	35.0					
33790	H	35	32.125	107.336	2	96	06/01/77	14	35.0					
33791	H	35	32.105	107.322	2	96	06/01/77	14	35.0					
33792	H	35	32.096	107.350	2	96	06/01/77	14	35.0					
33793	H	35	32.092	107.375	2	96	06/01/77	15	35.0					
33794	H	35	32.070	107.366	2	96	06/01/77	15	34.0					
33795	H	35	32.087	107.311	2	96	06/01/77	15	34.0					
33819	H	35	32.286	107.471	2	96	06/10/77	13	34.0					
33821	H	35	32.333	107.473	2	96	06/10/77	13	34.0					
33823	H	35	32.358	107.478	2	96	06/10/77	14	34.0					
33824	H	35	32.348	107.489	2	97	06/10/77	14	34.0					
33826	H	35	32.381	107.469	2	97	06/10/77	15	34.0					
33830	H	35	32.417	107.450	2	97	06/10/77	16	34.0					
33832	M	35	32.456	107.493	2	15	06/10/77	16	33.0					
33833	H	35	32.373	107.463	2	96	06/10/77	17	33.0					
33835	M	35	32.369	107.429	2	15	06/10/77	17	34.0					
33936	H	35	32.333	107.434	2	97	06/10/77	17	34.0					
33837	H	35	32.331	107.424	2	97	06/10/77	17	33.0					
33838	M	35	32.326	107.398	2	15	06/10/77	17	33.0					
33839	H	35	32.251	107.375	2	97	06/11/77	10	34.0					
33841	M	35	32.295	107.400	2	15	06/11/77	13	35.0					
33844	M	35	32.406	107.397	2	15	06/11/77	14	34.0					
33845	M	35	32.455	107.398	2	15	06/11/77	14	35.0					
33848	M	35	32.485	107.386	2	15	06/11/77	14	34.0					
33852	M	35	32.255	107.088	2	15	06/10/77	19	25.0		C			
33854	M	35	32.292	106.909	2	15	06/10/77	19	27.0					
33855	M	35	32.333	106.914	2	15	06/10/77	18	29.0					
33856	M	35	32.337	106.894	2	15	06/10/77	18	27.0					
33857	M	35	32.337	106.873	2	15	06/10/77	18	27.0		C			
33859	M	35	32.325	106.877	2	15	06/10/77	17	36.0		C			
33860	M	35	32.321	106.876	2	15	06/10/77	17	37.0		C			
33861	M	35	32.305	106.899	2	15	06/10/77	16	37.0					
33862	H	35	32.299	106.947	2	96	06/10/77	16	38.0		C			
33863	H	35	32.301	106.985	2	96	06/10/77	16	38.0		C			
33864	H	35	32.315	106.953	2	96	06/10/77	16	37.0		C			
33865	H	35	32.341	106.936	2	97	06/10/77	15	37.0					
33866	M	35	32.347	106.964	2	15	06/10/77	15	38.0					
33867	H	35	32.369	106.951	2	97	06/10/77	15	39.0					
33868	M	35	32.411	106.961	2	15	06/10/77	14	39.0					
33869	M	35	32.441	106.986	2	15	06/10/77	13	39.0					
33870	H	35	32.422	106.983	2	97	06/10/77	13	39.0					
33871	M	35	32.402	106.997	2	15	06/10/77	13	39.0					
33872	M	35	32.399	107.001	2	15	06/10/77	13	39.0					
33873	H	35	32.379	106.983	2	96	06/10/77	12	38.0					
33875	M	35	32.359	107.008	2	15	06/10/77	12	39.0		C			
33888	H	35	32.008	107.425	2	96	06/09/77	17	38.0		C			
33889	H	35	32.032	107.432	2	96	06/09/77	17	38.0		C			
33891	M	35	32.027	107.401	2	15	06/09/77	18	35.0					
33892	H	35	32.009	107.394	2	96	06/09/77	18	34.0					
33893	H	35	32.056	107.433	2	96	06/09/77	19	31.0		C			
33894	H	35	32.084	107.434	2	13	06/09/77	19	30.0		C			
33896	M	35	32.089	107.406	2	15	06/09/77	19	30.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
33785		10	1	1	4	6			2	1	2.60	2	6.30	14
33786		8			4	6			2	1	2.60	<2	6.41	14
33788		8			5	6			2	1	2.80	<2	5.33	11
33789		17	1	1	4	6			2	2	3.10	<2	5.36	10
33790		6	1	1	4	6			2	1	3.00	<2	4.96	15
33791		11	1	1	4	6			2	1	2.60	<2	5.66	11
33792		13	1	1	4	6			2	1	2.50	<2	6.33	13
33793		9	1	1	4	6			2	1	2.90	<2	6.01	10
33794		6			4	6			2	2	2.90	<2	5.84	11
33795		7	1	1	4	6			2	1	2.80	<2	5.37	<10
33819	1	9			4	6			1	1	2.10	<2	4.56	15
33821	1	16			5	6			1	1	2.60	<2	5.13	13
33823	1	13			5	6			1	1	2.50	<2	4.89	14
33824	1	13	4	6	5	6			1	1	2.80	<2	2.75	<10
33826	1	11			5	6			1	1	2.80	<2	6.83	20
33830	1	8			5	6			2	1	2.00	<2	4.01	10
33832	1	9			5	6			1	2	2.60	<2	5.06	14
33833	1	8			5	6			1	1	2.10	<2	4.94	12
33835	1	9	3	7	5	6			3	1	2.20	<2	4.95	17
33836	1	10			5	6			1	1	2.10	<2	5.37	17
33837	1	10	3	7	5	6			1	1	2.30	<2	5.06	13
33838	1	9	3	7	4	6			2	1	2.40	<2	3.74	<10
33839	1	3	1	1	4	6			1	1	2.00	<2	5.01	13
33841	1	10			5	6			1	1	2.10	<2	4.60	16
33844	1	11	3	8	4	6			2	1	2.20	<2	5.00	12
33845	1	13	3	7	5	6			2	1	2.50	<2	4.83	13
33848	1	4			5	6			1	1	2.10	<2	4.52	16
33852	9	6	4		4	6			1	2	2.10	<2	4.49	<10
33854	1	7	4		4	6			3	2	1.80	<2	5.11	11
33855	8	9	3	4	4	7			3	2	2.80	<2	4.84	11
33856	1	8	3	4	4	6			4	2	2.30	<2	4.89	<10
33857	9	15	3	4	4	7			5	2	2.40	<2	7.07	<10
33859	1	12	3	7	4	7			5	2	2.60	<2	5.02	<10
33860	1	6		7	4	7			3	2	3.00	<2	4.95	10
33861	1	4	3	4	4	6			3	2	2.60	<2	3.58	11
33862	1	5	4		4	6			1	2	2.50	<2	2.98	12
33863	1	1	4		4	6			1	2	2.80	<2	3.01	12
33864	1	7	4		5	6			1	2	2.50	<2	3.33	13
33865	1	9	4		5	7			3	2	2.40	<2	5.33	11
33866	1	10	4		4	6			2	2	2.10	<2	4.95	13
33867	1	9	1	4	5	6			3	2	2.60	<2	5.66	22
33868	1	5	1	7	4	7			1	1	2.00	<2	4.15	<10
33869	1	11	3	4	5	6			2	1	1.90	<2	4.17	11
33870	1	6	3	4	5	7			1	1	2.30	<2	5.84	22
33871	1	13	3	4	4	6			4	1	2.70	<2	3.35	<10
33872	1	11	3	4	5	7			4	1	2.50	<2	3.77	17
33873	1	11	4		5	7			1	1	2.90	<2	5.14	31
33875	1	12	3	8	4	6			1	1	2.60	<2	3.53	17
33888	1	7	4		4	6			2	2	3.20	<2	3.83	<10
33889	1	9	4		4	7			1	2	2.80	<2	6.02	20
33891	1	7	4		4	6			2	2	3.50	<2	3.47	<10
33892	1	9	4		4	6			2	2	2.70	<2	3.10	<10
33893	1	8	4		5	1			1	2	2.50	<2	5.51	18
33894	1	9	4		4	7			1	2	2.50	<2	3.37	11
33896	1	5	4		4	6			2	2	2.90	<2	3.22	11

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
33785	557	2	0.88	62	7	40	13	3.41	<15	1.42	31	33	0.59	394	<4
33786	593	2	0.82	60	5	37	15	2.92	17	1.41	30	31	0.52	323	<4
33788	662	1	2.61	41	4	25	13	2.13	<15	1.51	20	29	0.89	337	<4
33789	621	2	0.82	49	4	27	13	2.26	<15	1.66	26	22	0.33	309	<4
33790	616	1	1.01	48	4	27	13	2.27	<15	1.52	25	17	0.40	352	<4
33791	673	2	0.82	43	4	27	13	2.12	<15	1.81	24	22	0.34	307	<4
33792	606	2	0.71	53	4	31	19	2.48	<15	1.87	29	30	0.45	330	<4
33793	635	2	1.14	51	5	31	11	2.56	<15	1.85	28	26	0.43	344	<4
33794	608	2	0.74	54	5	37	26	2.74	<15	1.72	29	25	0.37	378	<4
33795	647	1	0.69	38	<4	16	7	1.34	<15	1.74	21	22	0.23	187	<4
33819	502	1	6.70	43	5	30	20	2.11	<15	1.14	22	42	1.67	369	<4
33821	480	2	0.90	37	9	35	26	2.56	16	1.91	16	41	0.67	450	<4
33823	527	2	0.91	35	10	34	23	2.38	<15	1.38	15	18	0.61	552	<4
33824	298	2	0.48	24	4	30	23	1.98	<15	1.75	12	22	0.24	361	4
33826	560	2	4.36	55	8	30	29	2.49	<15	1.61	26	46	1.00	392	<4
33830	479	1	0.79	20	9	28	33	2.39	<15	1.76	9	28	0.60	355	<4
33832	523	2	1.06	40	10	41	31	2.71	<15	1.82	19	37	0.65	523	<4
33833	561	1	1.13	31	10	36	34	2.90	<15	1.74	15	25	0.80	417	<4
33835	609	1	1.97	28	9	36	29	2.85	<15	1.62	14	21	0.63	396	<4
33836	555	1	1.46	31	7	31	33	2.51	<15	1.98	17	34	0.74	355	<4
33837	608	1	1.69	30	7	36	22	2.76	<15	1.78	17	25	0.64	350	<4
33838	592	1	1.02	28	7	46	18	3.02	<15	1.59	13	20	0.45	330	<4
33839	609	1	5.70	40	5	31	16	2.35	<15	1.50	18	30	0.72	293	<4
33841	517	2	1.91	37	7	32	31	2.33	<15	2.00	18	38	1.17	385	<4
33844	556	1	1.32	38	9	34	36	2.76	<15	1.84	15	31	0.70	460	<4
33845	569	2	1.58	38	9	37	41	2.58	<15	1.95	18	32	0.67	480	<4
33848	595	2	3.39	51	9	36	42	2.84	<15	1.79	23	35	0.81	469	<4
33852	646	1	1.59	41	4	24	10	2.00	<15	1.62	19	20	0.38	269	<4
33854	738	1	3.29	33	<4	15	9	1.13	<15	1.73	16	39	0.71	156	<4
33855	727	1	4.02	43	5	22	11	2.17	<15	1.62	20	34	0.65	368	<4
33856	692	1	3.37	37	9	28	17	2.70	<15	1.64	16	23	0.62	509	<4
33857	966	1	4.61	81	19	20	35	7.50	<15	1.80	34	32	1.05	993	<4
33859	662	1	1.99	29	7	27	20	3.10	15	1.86	12	26	0.42	440	<4
33860	693	3	3.19	46	12	41	23	4.65	22	2.51	17	31	0.36	653	<4
33861	667	2	1.60	31	8	25	15	2.77	18	1.61	15	25	0.40	529	<4
33862	500	1	0.50	16	4	25	11	1.92	<15	1.82	6	27	0.26	213	<4
33863	571	1	0.64	22	<4	21	11	1.56	<15	1.88	9	26	0.32	186	<4
33864	535	1	0.67	27	5	29	17	2.24	<15	1.97	13	29	0.40	275	<4
33865	699	1	6.73	53	7	28	21	2.05	<15	1.40	25	37	0.97	336	<4
33866	762	1	8.28	48	5	25	18	2.26	<15	1.26	24	33	0.83	291	<4
33867	589	1	5.43	44	6	33	18	2.27	<15	1.62	20	31	0.89	345	<4
33868	584	1	2.77	32	6	25	13	2.45	<15	1.76	14	20	0.32	325	<4
33869	638	1	5.29	35	4	19	11	1.77	<15	1.29	16	21	0.42	271	<4
33870	612	2	4.52	57	6	29	26	2.24	<15	1.89	27	31	0.80	368	<4
33871	589	1	1.09	35	5	30	16	2.56	<15	1.90	19	22	0.47	339	<4
33872	474	2	0.71	17	5	28	21	2.25	<15	2.01	8	28	0.48	328	<4
33873	466	2	2.24	44	9	40	28	2.73	<15	2.03	21	36	0.98	506	<4
33875	454	2	0.60	27	7	32	25	2.46	<15	2.03	11	29	0.52	379	<4
33888	716	1	0.89	30	5	31	21	2.31	<15	2.27	14	21	0.44	365	<4
33889	668	2	3.74	55	10	35	40	2.88	<15	2.06	23	32	0.80	520	<4
33891	686	1	0.72	32	4	22	10	1.75	<15	2.27	15	22	0.32	263	<4
33892	731	1	0.66	21	<4	14	11	1.05	<15	2.27	12	20	0.26	150	<4
33893	577	2	3.97	56	10	32	38	2.52	<15	1.70	24	36	1.01	505	<4
33894	735	1	1.78	40	4	19	10	1.24	<15	2.13	18	17	0.30	162	<4
33896	631	1	0.69	31	5	27	15	2.08	<15	2.08	15	24	0.37	282	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZA	ZR
33785	1.10	19	13	203	18	6	242	6	4479	80	15	63	72
33786	1.06	16	13	182	26	6	240	9	3648	68	14	60	67
33788	1.53	14	8	319	14	4	570	4	3433	58	12	42	52
33789	1.35	16	10	192	23	4	235	6	3415	55	12	46	60
33790	1.24	16	10	198	19	4	254	8	3843	59	13	45	68
33791	1.43	14	10	242	17	4	243	8	3249	50	12	45	62
33792	1.34	18	10	251	17	5	219	6	3320	56	14	54	70
33793	1.41	16	10	207	14	5	257	5	3742	61	14	51	71
33794	1.31	16	13	222	22	5	237	9	4081	68	13	52	64
33795	1.39	11	7	137	18	3	219	5	1964	29	9	28	41
33819	0.84	11	14	574	16	5	867	13	2609	51	13	50	62
33821	1.07	16	20	462	28	5	226	2	3353	62	9	65	106
33823	1.17	14	17	521	30	5	232	8	3209	56	8	64	103
33824	1.09	17	14	365	19	2	134	<2	3850	58	7	41	105
33826	0.79	13	20	770	21	7	367	5	2480	59	14	74	86
33830	1.05	9	19	654	15	4	182	<2	3185	56	5	64	90
33832	1.03	15	20	536	24	5	221	7	3641	66	10	78	97
33833	1.35	12	19	618	19	5	261	6	3799	70	8	67	96
33835	1.83	12	16	776	20	5	421	<2	4113	80	8	74	76
33836	1.32	12	18	618	18	5	259	3	3220	60	9	73	89
33837	1.62	13	19	490	12	4	332	<2	3733	77	9	67	70
33838	1.56	13	13	235	15	3	276	<2	4574	96	6	61	60
33839	1.12	13	14	298	15	4	404	11	3161	65	10	61	50
33841	1.19	13	16	660	27	4	409	5	3394	61	9	82	78
33844	1.20	12	19	702	19	6	211	6	3499	63	8	78	90
33845	1.22	13	20	764	31	5	201	8	3494	61	10	83	84
33848	0.98	13	22	721	22	6	252	<2	3127	58	13	82	81
33852	1.45	12	9	154	26	3	283	8	3241	55	8	46	49
33854	1.28	7	6	163	15	2	381	4	1436	31	8	29	39
33855	1.19	11	6	259	12	4	396	4	3367	65	12	42	63
33856	1.35	8	9	662	15	5	413	6	3464	83	9	51	70
33857	0.65	13	15	2244	11	10	370	3	7277	201	19	141	151
33859	1.40	11	11	549	<10	4	325	<2	4132	93	8	65	83
33860	0.95	16	16	1058	10	5	237	<2	6300	152	10	74	124
33861	1.27	12	13	438	14	4	289	4	4058	92	9	54	80
33862	1.24	11	13	134	12	2	125	<2	3030	55	5	40	53
33863	1.33	11	9	142	13	2	160	4	2542	42	5	35	49
33864	1.27	14	12	262	24	3	150	5	3644	62	6	52	67
33865	0.82	14	14	454	32	5	372	9	2619	54	14	56	78
33866	0.90	14	13	322	22	4	556	8	2940	60	12	50	60
33867	1.07	10	15	339	<10	5	391	<2	2878	58	12	48	60
33868	1.25	14	8	200	20	3	200	7	3617	65	9	51	50
33869	0.92	13	7	256	<10	3	315	<2	2630	48	10	34	57
33870	0.98	15	14	689	24	5	241	5	2786	55	14	61	72
33871	1.36	17	9	243	<10	3	188	<2	4572	75	10	56	70
33872	1.31	18	13	363	16	3	136	<2	3351	56	5	56	85
33873	0.79	16	22	889	24	6	181	<2	3376	65	12	83	85
33875	1.31	16	15	419	29	3	151	2	3784	68	5	65	88
33888	1.93	15	11	445	18	3	254	<2	3947	68	7	56	71
33889	2.20	15	15	810	26	5	459	5	3988	107	14	75	79
33891	1.85	16	9	205	16	3	225	<2	3708	50	7	41	55
33892	1.72	10	7	186	12	2	237	5	1852	27	6	30	49
33893	2.27	13	14	720	25	5	484	6	3448	113	13	65	76
33894	2.08	12	5	313	13	2	336	6	2712	51	8	27	49
33896	1.53	17	11	205	16	3	192	2	3891	58	7	49	68

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONM	MEAS	PH	CT-F
33897	H	35	32.264	107.025	2	96	06/10/77	11	35.0		C			
33898	M	35	32.271	106.985	2	15	06/10/77	11	36.0					
33900	H	35	32.335	106.993	2	96	06/10/77	12	38.0		C			
33903	H	35	32.032	107.475	2	96	06/01/77	18	36.0		C			
33904	H	35	32.054	107.465	2	96	06/01/77	10	34.0		C			
33911	M	35	32.112	107.434	2	15	06/01/77	15	39.0					
33912	M	35	32.131	107.426	2	15	06/01/77	14	37.0					
33913	H	35	32.141	107.417	2	96	06/01/77	15	39.0		C			
33914	M	35	32.164	107.393	2	15	06/01/77	14	39.0					
33920	H	35	32.201	107.441	2	97	05/01/77	12	37.0		C			
33923	H	35	32.182	107.402	2	96	06/01/77	9	34.0					
33924	H	35	32.211	107.402	2	96	06/01/77	9	33.0		C			
33925	H	35	32.200	107.378	2	96	06/01/77	9	31.0		C			
33928	H	35	32.229	107.386	2	97	05/31/77	16	35.0		C			
33929	H	35	32.247	107.450	2	97	05/31/77	13	35.0		C			
33930	H	35	32.244	107.397	2	97	05/31/77	14	37.0		C			
33931	M	35	32.102	107.255	2	15	05/30/77	17	33.0					
33932	H	35	32.086	107.272	2	96	05/30/77	17	33.0					
33934	H	35	32.065	107.292	2	96	05/30/77	17	34.0					
33935	H	35	32.053	107.311	2	96	05/30/77	16	34.0					
33936	H	35	32.047	107.333	2	96	05/30/77	16	34.0					
33938	H	35	32.029	107.346	2	96	05/30/77	16	34.0					
33939	M	35	32.009	107.364	2	15	05/30/77	16	34.0					
33940	H	35	32.005	107.349	2	96	05/30/77	16	34.0					
33945	M	35	32.280	106.852	2	15	05/29/77	16	36.0		C			
33946	M	35	32.271	106.848	2	15	05/29/77	16	36.0		C			
33947	M	35	32.262	106.844	2	15	05/29/77	16	36.0		C			
33948	H	35	32.277	106.882	2	96	05/29/77	14	36.0		C			
33949	H	35	32.255	106.870	2	97	05/29/77	14	36.0		C			
33950	M	35	32.263	106.895	2	15	05/29/77	14	36.0					
33951	H	35	32.088	106.756	2	96	05/29/77	13	35.0		C			
33952	M	35	32.059	106.781	2	15	05/29/77	13	36.0					
33953	M	35	32.076	106.767	2	15	05/29/77	12	36.0					
33954	H	35	32.058	106.842	2	96	05/29/77	12	36.0		C			
33955	H	35	32.071	106.829	2	96	05/29/77	12	36.0		C			
33956	H	35	32.079	106.802	2	96	05/29/77	12	36.0		C			
33957	M	35	32.073	106.789	2	15	05/29/77	11	36.0		C			
33959	M	35	32.100	106.871	2	15	05/28/77	10	33.0					
33960	H	35	32.082	106.833	2	96	05/29/77	10	30.0		C			
33961	H	35	32.092	106.851	2	96	05/29/77	10	29.0		C			
33962	H	35	32.068	106.869	2	96	05/29/77	10	28.0		C			
33963	H	35	32.056	106.887	2	96	05/29/77	9	27.0		C			
33965	H	35	32.009	106.844	2	96	05/29/77	8	25.0		C			
33966	H	35	32.020	106.868	2	96	05/28/77	8	25.0		C			
33967	M	35	32.212	106.803	2	15	05/28/77	16	36.0					
33968	H	35	32.186	106.809	2	96	05/28/77	15	36.0		C			
33970	H	35	32.145	106.822	2	96	05/28/77	15	35.0					
33971	H	35	32.128	106.813	2	96	05/28/77	14	36.0		C			
33972	M	35	32.156	106.788	2	15	05/28/77	14	35.0					
33973	M	35	32.136	106.791	2	15	05/28/77	14	35.0		C			
33974	M	35	32.121	106.792	2	15	05/23/77	14	35.0					
33975	H	35	32.104	106.796	2	96	05/28/77	13	34.0		C			
33976	H	35	32.246	106.903	2	96	05/27/77	16	30.0					
33977	M	35	32.238	106.897	2	15	05/27/77	16	30.0					
33978	M	35	32.197	106.938	2	15	05/27/77	16	30.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
33897	1	8	3	8	4	6			2	1	2.40	<2	3.27	12
33898	1	9	4		4	6			1	1	2.60	<2	6.50	14
33900	1	7	4		5	6			1	1	2.50	<2	4.59	12
33903	1	8	4		5	6			1	2	2.80	<2	5.19	<10
33904	1	16	4		5	6			1	2	2.70	<2	5.66	15
33911	1	8	1	1	4	7			2	2	3.20	<2	3.76	<10
33912	1	6	4		5	7			2	2	5.70	<2	3.60	<10
33913	1	12	4		5	6			1	2	2.20	<2	6.23	15
33914	1	8	4		5	7			1	2	2.40	<2	4.83	20
33920	9	12	4		5	6			1	1	2.40	<2	5.68	14
33923	1	8	4		5	6			1	1	2.70	<2	5.10	17
33924	1	12	4		5	6			1	1	1.20	<2	4.59	<10
33925	1	11	4		5	6			1	1	2.80	<2	5.12	15
33928	1	8	4		5	7			2	3	3.20	<2	4.92	13
33929	1	13	4		5	7			1	3	2.60	<2	5.42	11
33930	9	13	4		4	7			1	2	2.60	<2	4.99	<10
33931		10	1	1	4	6			2	1	3.10	<2	3.34	<10
33932		14	1	1	4	6			2	1	2.30	<2	3.60	13
33934		8	3	8	4	6			2	1	2.10	<2	5.45	<10
33935		6	3	8	4	6			2	1	2.10	<2	5.89	<10
33936		8	3	8	4	6			2	1	3.00	<2	5.99	<10
33938		8	3	8	4	6			1	1	2.80	<2	6.11	<10
33939		7			4	6			2	1	2.90	<2	5.74	<10
33940		11	3	8	4	6			2	1	3.00	<2	5.73	<10
33945	1	7	4		4	7			3	1	4.00	<2	4.85	<10
33946	7	7	4		4	6			3	1	2.40	<2	5.12	<10
33947	8	14	4		4	7			3	1	2.80	<2	4.78	10
33948	1	8	4		4	6			1	1	2.40	<2	6.09	<10
33949	1	5	4		4	6			1	1	2.90	<2	5.30	<10
33950	1		4		5	6			2	1	2.20	<2	5.40	12
33951	1	7	3	8	5	6			1	1	2.60	<2	4.90	<10
33952	1	7	3	8	5	7			3	1	2.40	<2	5.05	11
33953	1		3	8	5	7			3	1	2.50	<2	6.49	13
33954	1	8	4		4	6			1	1	3.10	<2	6.18	14
33955	1	12	3	8	4	6			1	1	2.80	<2	5.82	15
33956	1	6	3	8	4	6			3	1	2.70	<2	5.09	<10
33957	2	7	3	8	4	7			3	1	2.00	<2	4.98	<10
33959	1	6	4		4	6			2	1	2.70	<2	4.67	<10
33960	1	8	4		4	6			2	1	2.70	<2	4.68	<10
33961	1	7	4		4	6			1	1	2.70	<2	4.83	<10
33962	1	5	4		4	6			1	1	2.80	<2	4.94	<10
33963	1	4	4		4	6			1	1	2.70	<2	4.86	<10
33965	1	3	4		4	6			1	1	2.50	<2	5.23	13
33966	9	6	4		4	6			1	1	2.60	<2	5.36	13
33967	1	4	4		4	7			3	1	2.60	<2	4.68	10
33968	1	9	4		4	6			1	1	2.50	<2	5.15	11
33970	1	5	4		5	6			1	1	2.80	<2	4.97	13
33971	1	4	4		4	6			1	1	2.50	<2	4.55	12
33972	1	3	3	8	4	6			2	1	2.50	<2	4.82	<10
33973	1	3	3	8	4	6			2	1	2.20	<2	4.11	<10
33974	1	5	3	8	4	6			3	1	1.90	<2	4.65	<10
33975	1	3	3	8	4	6			2	1	2.50	<2	4.80	13
33976	1	13	3		5	6			2	2	2.70	<2	5.79	19
33977	1	10	3		5	6			2	2	2.00	<2	5.76	16
33978	1	15	3		5	6			2	2	1.80	<2	5.05	12

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
33897	531	1	0.71	19	4	25	13	1.90	<15	2.00	9	26	0.30	220	<4
33898	705	1	0.86	55	5	32	12	3.20	<15	1.99	29	29	0.33	413	<4
33900	529	2	1.38	39	8	29	24	2.59	<15	2.03	19	34	0.75	446	<4
33903	749	1	1.22	28	5	29	24	2.32	<15	2.44	13	26	0.54	421	<4
33904	716	2	1.93	44	7	30	33	2.48	<15	2.00	23	29	0.71	464	<4
33911	658	1	1.29	34	4	19	11	1.62	<15	1.81	15	26	0.42	257	<4
33912	458	1	1.50	94	7	36	10	4.46	<15	1.13	44	14	0.39	746	<4
33913	705	1	3.43	46	5	28	20	2.28	<15	1.73	21	25	0.68	377	<4
33914	653	1	2.50	32	7	24	16	2.21	<15	1.60	13	26	0.58	342	<4
33920	746	2	2.13	45	5	33	21	2.22	<15	2.04	21	47	0.74	385	<4
33923	650	2	0.99	27	7	30	18	2.49	16	2.14	11	35	0.65	299	<4
33924	722	1	1.08	38	5	25	14	1.95	<15	2.14	19	28	0.48	269	<4
33925	612	1	1.96	29	5	31	18	2.52	<15	2.04	15	34	0.50	335	<4
33928	619	1	2.45	71	7	29	9	3.42	<15	1.57	30	25	0.58	476	<4
33929	687	1	5.77	44	6	32	20	2.12	<15	1.70	18	78	1.46	362	<4
33930	703	1	2.90	35	5	27	17	2.16	<15	1.73	19	26	0.52	262	<4
33931	668	1	0.54	20	<4	24	10	1.52	<15	2.27	10	26	0.30	200	<4
33932	645	1	0.56	21	<4	23	14	1.67	<15	2.08	11	27	0.35	222	<4
33934	655	1	0.80	43	5	29	10	1.83	<15	1.80	23	19	0.41	288	<4
33935	634	1	0.67	53	4	28	11	2.06	<15	1.94	30	22	0.28	339	<4
33936	632	1	0.71	64	4	28	12	2.23	<15	1.98	32	25	0.28	382	<4
33938	648	2	0.81	60	5	35	16	2.63	<15	1.95	31	26	0.37	439	<4
33939	648	1	0.91	63	5	34	12	2.71	<15	1.83	33	23	0.42	420	<4
33940	665	1	0.79	62	4	31	13	2.44	<15	1.92	31	22	0.33	404	<4
33945	593	1	0.70	69	9	33	15	3.44	<15	1.54	28	20	0.42	546	<4
33946	695	1	1.02	47	6	24	21	2.29	<15	1.74	17	24	0.48	458	<4
33947	590	1	2.99	52	6	27	13	2.20	<15	1.49	25	24	0.46	309	<4
33948	685	1	1.20	57	6	30	14	2.73	<15	1.91	28	24	0.58	465	<4
33949	581	1	1.93	50	5	29	15	2.41	19	1.62	23	25	0.53	331	<4
33950	604	1	2.71	47	6	24	16	2.05	<15	1.62	22	31	0.74	417	<4
33951	581	1	1.03	53	5	26	13	2.05	<15	1.60	25	23	0.52	313	<4
33952	578	1	1.04	45	5	26	19	1.91	<15	1.69	22	22	0.49	288	<4
33953	572	2	0.65	57	8	33	22	2.74	25	1.90	29	33	0.63	413	<4
33954	674	1	1.09	57	7	34	17	2.85	<15	1.89	28	24	0.63	448	<4
33955	657	2	0.88	75	8	43	18	3.36	<15	1.68	35	21	0.64	512	<4
33956	576	1	0.60	52	6	29	13	2.23	<15	1.57	26	23	0.45	329	<4
33957	619	1	1.45	37	5	21	10	1.64	<15	1.72	19	19	0.44	246	<4
33959	599	1	0.60	49	5	29	9	2.29	<15	1.49	25	15	0.33	342	<4
33960	606	1	1.40	51	6	28	11	2.11	<15	1.49	24	21	0.46	312	<4
33961	576	1	1.43	55	5	28	12	2.20	19	1.55	26	24	0.46	328	<4
33962	592	1	0.85	52	6	28	14	2.29	<15	1.58	23	22	0.51	348	<4
33963	602	1	0.90	57	4	23	11	2.02	20	1.54	27	16	0.39	346	<4
33965	604	1	1.47	44	6	27	13	2.06	<15	1.51	21	15	0.68	321	<4
33966	601	1	1.16	49	8	30	28	2.36	17	1.57	24	20	0.70	364	<4
33967	651	1	1.20	55	7	20	14	1.87	<15	1.31	24	16	0.48	329	<4
33968	620	1	3.11	51	6	24	13	2.28	<15	1.41	25	21	0.56	306	<4
33970	582	1	1.58	55	5	22	12	2.02	<15	1.52	26	20	0.43	315	<4
33971	583	1	3.10	49	4	19	10	1.76	<15	1.36	23	17	0.49	257	<4
33972	591	1	1.50	51	5	18	10	1.85	<15	1.48	24	18	0.44	290	<4
33973	657	1	2.97	65	5	22	10	2.40	<15	1.27	29	16	0.49	388	<4
33974	583	1	0.75	36	<4	13	9	1.56	<15	1.60	17	16	0.34	253	<4
33975	586	1	1.19	50	5	18	10	1.90	<15	1.41	24	17	0.47	282	<4
33976	556	1	3.17	61	8	22	18	2.36	<15	1.43	28	31	0.74	336	<4
33977	597	1	1.86	49	7	17	16	2.01	<15	1.76	23	28	0.63	334	<4
33978	604	1	4.02	43	4	12	12	1.42	<15	1.44	20	22	0.52	197	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
33897	1.54	11	9	151	20	3	164	4	3049	52	5	43	58
33898	1.56	15	14	160	19	4	277	6	4659	81	14	63	56
33900	1.28	19	16	633	11	5	200	<2	3904	67	12	66	104
33903	2.18	15	10	531	10	4	296	<2	3962	61	9	60	65
33904	1.96	15	13	649	27	5	349	4	3569	65	13	67	72
33911	1.50	11	7	259	19	3	248	2	2761	48	7	37	50
33912	1.02	28	9	143	12	5	233	4	8036	130	20	72	67
33913	1.59	14	10	404	16	5	426	3	3100	54	12	61	62
33914	2.00	12	9	368	12	3	685	2	3583	113	9	54	62
33920	1.79	11	13	517	15	4	502	4	3365	59	11	56	80
33923	1.68	14	16	242	10	4	238	<2	2959	59	7	57	71
33924	1.87	14	8	247	20	3	325	5	3271	52	8	45	56
33925	1.69	15	11	234	11	4	268	<2	3861	63	8	60	60
33928	1.69	17	11	98	16	5	471	6	4914	96	14	66	51
33929	1.61	12	13	489	11	4	1228	5	3143	73	11	50	71
33930	1.61	11	10	138	17	3	353	3	3149	60	9	48	50
33931	1.51	13	12	144	10	2	181	<2	2847	38	5	36	49
33932	1.40	13	7	271	18	3	176	<2	2896	41	5	45	58
33934	1.54	14	15	184	12	4	231	3	3343	46	12	33	51
33935	1.60	17	13	218	15	4	218	4	3867	51	14	35	56
33936	1.68	19	8	184	16	4	235	4	4250	59	14	44	62
33938	1.65	21	10	227	22	5	255	3	4922	70	16	52	72
33939	1.55	20	9	193	17	5	265	7	4790	73	15	50	71
33940	1.71	17	11	210	22	4	261	11	4470	65	14	47	64
33945	1.23	16	11	338	19	5	213	7	5498	100	15	59	101
33946	1.42	11	12	453	22	5	249	4	3235	62	10	51	71
33947	1.03	14	13	236	20	4	222	4	3324	60	13	41	66
33948	1.20	12	15	311	12	4	224	5	3792	68	12	54	69
33949	1.02	12	14	244	17	5	205	8	3428	66	13	46	66
33950	1.04	12	14	384	19	5	239	4	2612	49	12	46	58
33951	1.05	12	14	196	17	4	189	10	2997	50	12	41	62
33952	1.21	11	12	273	24	4	209	9	2857	47	11	42	66
33953	0.94	12	19	400	24	7	163	9	3063	56	17	56	78
33954	1.17	12	20	286	14	5	207	4	4237	68	14	54	86
33955	1.12	16	24	229	30	5	210	6	5157	88	15	60	98
33956	1.10	14	18	169	20	5	185	9	3416	56	13	41	63
33957	1.31	11	9	216	<10	3	232	2	2610	40	9	30	54
33959	1.16	14	10	135	11	4	196	2	3832	60	12	35	64
33960	1.10	12	16	209	12	4	219	7	3362	57	12	38	61
33961	1.09	13	16	208	15	4	209	5	3328	58	13	41	63
33962	1.15	15	15	169	26	4	203	2	3636	58	13	45	67
33963	1.07	14	8	180	11	4	199	6	3587	57	13	45	53
33965	0.99	12	18	273	15	4	222	9	2759	49	11	46	57
33966	1.00	13	23	256	22	5	214	8	3343	59	12	61	65
33967	0.98	11	9	333	36	4	229	11	2570	54	11	49	56
33968	0.85	11	11	243	20	4	217	7	3033	62	12	45	60
33970	0.99	11	8	217	17	4	196	7	3057	57	12	44	58
33971	0.86	12	10	202	16	4	216	12	2565	49	11	39	51
33972	0.97	11	8	249	16	4	199	7	2724	50	11	44	53
33973	0.84	16	9	201	<10	4	236	3	4579	78	16	47	70
33974	1.07	9	7	182	14	3	183	<2	2659	43	10	39	46
33975	0.91	11	8	197	25	4	192	9	2855	51	11	45	56
33976	0.77	13	12	366	23	6	255	11	2719	67	15	59	63
33977	0.97	12	10	495	<10	5	207	5	2559	52	13	55	54
33978	0.97	10	6	280	13	4	289	11	1793	37	11	40	49

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	CONM	MEAS	PH	CT-F
33979	M	35	32.188	106.956	2	15	05/27/77	16	30.0					
33980	M	35	32.179	106.977	2	15	05/27/77	16	31.0					
33981	H	35	32.167	106.973	2	96	05/27/77	16	31.0		C			
33983	H	35	32.028	106.898	2	96	05/28/77	7	25.0		C			
33984	H	35	32.066	106.928	2	96	05/28/77	8	26.0		C			
33985	H	35	32.096	106.986	2	96	05/28/77	8	26.0		C			
33986	H	35	32.127	106.997	2	96	05/28/77	8	26.0		C			
33987	H	35	32.218	106.872	2	96	05/28/77	8	27.0		C			
33988	H	35	32.231	106.858	2	96	05/28/77	9	27.0		C			
33989	M	35	32.242	106.866	2	15	05/28/77	9	27.0					
33990	M	35	32.233	106.808	2	15	05/28/77	9	28.0		C			
33991	M	35	32.246	106.825	2	15	05/28/77	10	28.0					
33992	H	35	32.244	106.817	2	13	05/28/77	10	29.0		C			
33993	M	35	32.204	106.782	2	15	05/28/77	10	30.0		C			
33994	M	35	32.192	106.776	2	15	05/28/77	10	31.0					
33995	M	35	32.174	106.759	2	15	05/28/77	11	31.0		C			
33996	H	35	32.200	106.845	2	96	05/28/77	11	32.0		C			
33997	H	35	32.189	106.866	2	96	05/28/77	12	33.0		C			
33998	H	35	32.147	106.913	2	96	05/27/77	13	33.0		C			
33999	H	35	32.176	106.890	2	96	05/28/77	13	35.0		C			
34000	H	35	32.109	106.833	2	96	05/28/77	13	35.0		C			
34008	H	35	32.010	106.809	2	96	05/19/77	13	31.0		C			
34009	M	35	32.011	106.774	2	15	05/19/77	13	32.0		C			
34070	M	35	32.040	106.685	2	15	05/22/77	13	31.0					
34072	M	35	32.095	106.710	2	15	05/22/77	14	32.0					
34073	M	35	32.084	106.734	2	15	05/22/77	14	32.0					
34074	M	35	32.091	106.749	2	15	05/22/77	14	32.0					
34075	M	35	32.115	106.725	2	15	05/22/77	15	32.0					
34077	M	35	32.050	106.666	2	15	05/22/77	16	33.0		C			
34079	M	35	32.057	106.684	2	15	05/22/77	17	32.0		C			
34081	M	35	32.097	106.677	2	15	05/22/77	17	32.0		C			
34082	M	35	32.047	106.906	2	15	05/27/77	9	28.0					
34083	H	35	32.047	106.920	2	96	05/27/77	10	28.0		C			
34084	H	35	32.040	106.952	2	96	05/27/77	10	28.0					
34085	H	35	32.028	106.958	2	96	05/27/77	10	27.0					
34086	M	35	32.011	106.977	2	15	05/27/77	11	26.0		C			
34087	M	35	32.073	106.964	2	15	05/27/77	11	26.0		C			
34088	H	35	32.086	106.981	2	96	05/27/77	12	26.0					
34089	M	35	32.087	106.949	2	15	05/27/77	12	26.0		C			
34090	M	35	32.108	106.961	2	15	05/27/77	12	26.0		C			
34091	M	35	32.092	106.922	2	15	05/27/77	13	26.0		C			
34092	H	35	32.123	106.892	2	96	05/27/77	13	25.0		C			
34093	M	35	32.137	106.948	2	15	05/27/77	13	24.0		C			
34096	M	35	32.150	106.892	2	15	05/27/77	15	27.0		C			
34097	M	35	32.192	106.906	2	15	05/27/77	14	26.0		C			
34098	H	35	32.208	106.914	2	96	05/27/77	15	29.0		C			
34100	H	35	32.236	106.916	2	96	05/27/77	16	30.0					
34140	H	35	32.018	106.692	2	97	05/22/77	13	33.0					
34153	M	35	32.007	107.041	2	15	05/26/77	11	31.0					
34155	M	35	32.022	107.084	2	15	05/26/77	12	31.0					
34169	H	35	32.104	107.019	2	96	05/27/77	9	28.0					
34170	H	35	32.111	107.056	2	96	05/27/77	9	29.0					
34171	H	35	32.081	107.055	2	96	05/27/77	9	30.0		C			
34172	H	35	32.066	107.071	2	96	05/27/77	10	30.0		C			
34194	M	35	32.152	107.165	2	15	05/28/77	10	31.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
33979	1	7	3		4	6			2	2	3.10	<2	5.11	14
33980	1	4	3		4	6			2	2	2.50	<2	5.23	10
33981	1	7	3		4	6			1	2	2.70	<2	5.65	10
33983	1	5	3	8	4	6			1	1	1.70	<2	5.39	<10
33984	1	2	3		4	6			1	1	2.50	<2	5.96	18
33985	9	14	4		5	6			1	1	2.70	<2	5.27	13
33986	1	7	4		4	6			1	1	3.00	<2	5.50	12
33987	1	6	4		4	6			1	1	2.60	<2	5.48	16
33988	1	7	4		4	6			1	1	2.50	<2	5.40	20
33989	1	7	4		4	6			1	1	2.20	<2	5.13	12
33990	9	6	4		4	7			3	1	4.20	<2	4.11	10
33991	1	8	1	1					3	1	2.80	<2	4.57	13
33992	1	5	1	1	5	7			3	1	2.60	<2	5.40	11
33993	3	4	1	1	4	7			3	1	2.80	<2	4.86	10
33994	1	14	3	8	5	7			3	1	2.60	<2	5.65	20
33995	1	4	1	8	4	7			3	1	2.90	<2	4.94	10
33996	1	8	4		4	6			1	1	2.00	<2	4.78	12
33997	1	11	4		4	6			1	1	2.30	<2	5.48	<10
33998	1	5	4		4	6			1	1	2.80	<2	5.23	10
33999	1	7	4		4	6			1	1	2.50	<2	5.02	10
34000	4	2	4		4	6			1	1	2.50	<2	5.20	<10
34008	1	7			4	6			2	1	2.10	<2	5.35	<10
34009	1	6			4	6			2	1	2.10	<2	4.79	<10
34070	1	14	1	1	4	6			2	1	2.60	<2	4.34	<10
34072	1	10	1	1	4	6			3	1	4.00	<2	3.90	<10
34073	1	5	1	1	4	6			2	1	3.80	<2	4.18	<10
34074	1	3	3	8	4	6			2	1	2.40	<2	5.47	17
34075	1	7			4	6			3	1	2.20	<2	4.41	14
34077	3	6			5	6			1	1	2.90	<2	5.19	18
34079	1	5			5	6			1	1	3.40	<2	5.00	21
34081	3	11			5	6			1	1	2.70	<2	5.58	24
34082	1	13	3	8	4	6			2	2	2.30	<2	6.73	21
34083	1	17	3	8	5	6			2	2	2.60	<2	7.11	20
34084	1	6	3	8	5	6			2	3	2.50	<2	6.50	20
34085	1	11	3	8	5	6			2	3	2.20	<2	6.13	11
34086	1	7	3	8	5	1			1	3	2.20	<2	6.44	11
34087	1	13	3	8	4	6			1	3	2.90	<2	5.08	10
34088	1	4	3	8	5	6			2	3	2.70	<2	8.13	23
34089	1	6	4		4	6			1	3	2.50	<2	5.94	18
34090	1	3			4	6			1	3	2.70	<2	5.57	<10
34091	1	6			4	6			2	3	2.70	<2	5.53	13
34092	1	7			4	6			1	3	2.90	<2	5.14	11
34093	1	3			4	6			1	3	2.70	<2	5.93	12
34096	1	7			4	6			1	3	2.60	<2	5.35	11
34097	1	6			4	6			1	3	2.90	<2	6.08	14
34098	1	4			4	6			1	2	2.60	<2	5.58	14
34100	1	8	3		4	6			2	2	2.10	<2	6.08	17
34140		6			5	6			2	1	3.00	<2	5.37	21
34153		4	1	1	4	6			2	2	1.80	<2	5.38	10
34155		5	1	1	4	6			2	2	2.50	<2	6.10	17
34169		5	1	1	4	6			1	1	2.30	<2	5.48	18
34170		1	3	8	4	6			2	1	2.90	<2	7.42	21
34171		10	3	8	4	6			2	1	2.60	<2	6.43	19
34172		9	3	8	4	6			2	1	2.00	<2	5.70	12
34194		7	3	8	4	6			2	1	2.00	<2	6.38	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	RE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
33979	581	1	2.50	53	5	20	14	2.24	<15	1.52	24	21	0.52	352	<4
33980	582	1	0.93	58	7	23	12	2.49	<15	1.53	27	20	0.44	406	<4
33981	620	1	0.92	51	5	19	12	2.10	<15	1.74	27	22	0.42	334	<4
33983	650	1	1.05	39	5	13	10	1.60	<15	1.75	18	18	0.48	246	<4
33984	590	2	1.32	63	9	22	44	2.32	<15	1.61	28	23	0.74	397	<4
33985	550	1	0.84	43	6	19	48	2.02	20	1.42	21	20	0.44	302	<4
33986	564	1	0.82	67	6	25	12	2.50	<15	1.57	34	22	0.39	389	<4
33987	563	1	2.75	47	6	17	16	2.14	<15	1.54	23	22	0.67	323	<4
33988	571	1	4.45	53	8	20	19	2.34	19	1.34	26	22	0.77	340	<4
33989	598	1	2.29	53	6	15	16	1.96	<15	1.49	24	20	0.51	321	<4
33990	638	1	1.46	68	10	25	12	3.11	<15	1.27	32	15	0.42	533	<4
33991	1037	1	2.09	47	8	11	10	2.08	<15	1.30	22	16	0.42	468	<4
33992	963	1	2.19	54	8	15	14	1.95	<15	1.49	24	22	0.56	376	<4
33993	670	1	1.74	44	6	15	13	2.09	<15	1.49	21	18	0.45	361	<4
33994	920	2	5.81	52	9	19	33	2.27	<15	1.30	24	30	1.02	494	<4
33995	713	1	1.31	55	8	16	13	2.31	<15	1.41	25	18	0.43	428	<4
33996	583	1	1.62	41	6	9	10	1.53	<15	1.32	19	18	0.47	297	<4
33997	590	1	0.79	46	6	22	11	2.41	<15	1.63	25	22	0.41	363	<4
33998	604	1	1.20	55	7	23	11	2.31	21	1.46	27	19	0.43	343	<4
33999	591	1	0.96	61	6	21	11	2.30	<15	1.47	31	17	0.39	366	<4
34000	587	1	0.79	56	6	21	11	2.24	<15	1.49	27	19	0.42	334	<4
34008	625	1	0.92	51	8	25	7	2.42	<15	1.42	19	19	0.71	368	<4
34009	613	1	0.87	65	7	22	6	2.25	<15	1.34	30	14	0.54	380	<4
34070	562	1	1.18	47	5	15	12	1.89	<15	1.32	21	15	0.40	313	<4
34072	575	1	2.22	59	7	20	6	2.59	<15	1.16	25	15	0.44	469	<4
34073	572	1	1.02	56	7	17	8	2.69	<15	1.31	26	14	0.40	450	<4
34074	603	1	1.60	51	7	23	15	2.14	<15	1.51	26	20	0.61	324	<4
34075	624	1	2.33	38	5	14	8	1.50	<15	1.41	19	16	0.45	253	<4
34077	641	1	2.60	51	8	25	13	2.13	<15	1.44	24	23	0.58	370	<4
34079	589	1	2.49	62	7	24	15	2.08	<15	1.42	28	24	0.59	384	<4
34081	633	1	3.21	52	7	20	18	1.83	<15	1.59	22	31	0.73	340	<4
34082	607	2	3.44	51	10	31	53	2.69	<15	1.68	24	32	0.93	408	<4
34083	575	2	0.64	51	11	34	28	2.82	<15	1.87	25	33	0.65	494	<4
34084	626	1	0.85	58	9	30	25	2.54	<15	1.86	27	26	0.57	471	<4
34085	655	1	0.86	58	9	30	18	2.34	<15	1.66	27	21	0.55	409	<4
34086	636	2	1.18	51	11	34	21	2.91	<15	1.58	24	27	1.00	501	<4
34087	574	1	0.81	60	7	23	13	1.92	<15	1.52	28	17	0.38	313	<4
34088	508	2	0.57	60	8	39	20	3.29	<15	1.83	28	47	0.68	340	<4
34089	599	1	0.80	64	7	33	13	2.63	<15	1.62	30	23	0.49	393	<4
34090	603	1	0.78	50	4	27	13	2.28	<15	1.64	25	21	0.38	348	<4
34091	559	1	0.78	56	7	29	12	2.43	16	1.55	28	21	0.43	370	<4
34092	619	1	2.43	46	5	22	12	1.96	<15	1.44	23	19	0.42	294	<4
34093	643	1	1.73	33	5	22	12	1.90	<15	1.81	19	23	0.46	278	<4
34096	603	1	0.77	59	6	22	11	1.92	<15	1.61	30	19	0.36	305	<4
34097	603	1	1.06	52	7	27	15	2.47	<15	1.74	25	25	0.55	356	<4
34098	625	1	2.29	52	6	23	14	2.08	<15	1.57	26	21	0.58	303	<4
34100	618	2	2.87	55	7	23	24	2.10	<15	1.52	26	27	0.82	350	5
34140	628	1	3.01	47	7	20	22	1.78	<15	1.42	22	26	0.67	345	<4
34153	711	1	3.65	39	5	21	14	1.63	<15	1.51	19	41	0.80	255	<4
34155	639	1	1.36	55	8	30	16	2.32	18	1.70	25	23	0.65	380	<4
34169	623	1	1.44	54	6	24	14	1.94	<15	1.56	24	20	0.54	296	<4
34170	649	2	0.63	54	11	34	35	2.83	<15	1.99	27	32	0.55	646	<4
34171	642	1	0.75	53	7	30	24	2.41	<15	1.87	26	24	0.50	474	<4
34172	650	1	1.99	51	7	30	15	2.30	<15	1.55	24	21	0.77	356	<4
34194	636	2	1.06	62	9	38	17	3.12	<15	1.54	30	22	0.58	417	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
33979	0.96	20	8	297	23	4	234	5	3754	64	13	58	61
33980	1.01	16	9	221	18	5	210	3	4417	74	15	61	62
33981	1.21	11	5	216	13	4	226	5	3597	58	13	54	64
33983	1.29	9	14	279	10	4	246	<2	2544	40	10	40	49
33984	0.87	15	15	411	43	6	197	12	2989	52	14	71	69
33985	0.93	13	8	206	20	5	192	5	3122	52	13	56	59
33986	1.08	17	7	207	17	5	205	7	4537	71	16	59	80
33987	0.84	13	6	336	<10	5	203	<2	2862	53	14	57	63
33988	0.72	14	13	443	20	6	233	6	2944	59	14	60	67
33989	0.94	12	8	308	27	4	215	9	2953	51	13	56	56
33990	0.91	15	5	440	20	5	202	8	5493	99	15	70	95
33991	1.02	12	3	521	13	4	288	7	3219	65	12	48	60
33992	1.19	12	7	502	15	5	304	10	2788	52	13	51	68
33993	1.10	9	4	434	12	4	249	5	3051	58	11	56	60
33994	0.84	11	10	686	13	6	364	6	2627	55	16	72	73
33995	1.07	13	4	364	12	4	240	10	3562	64	13	57	79
33996	1.02	9	5	407	<10	4	243	7	2100	41	10	38	55
33997	1.05	14	10	189	<10	5	188	3	4082	63	14	56	64
33998	1.00	15	10	203	<10	5	204	8	3903	59	14	52	69
33999	1.01	14	5	179	<10	4	200	9	4061	58	14	54	68
34000	0.99	14	11	190	<10	4	195	5	3725	52	14	51	70
34008	1.04	12	29	192	<10	4	223	<2	3598	41	12	45	60
34009	1.02	14	20	180	<10	4	237	18	3868	48	14	47	55
34070	1.00	12	7	313	<10	4	206	3	3188	47	12	50	66
34072	0.85	16	7	219	<10	4	228	15	4586	65	14	62	56
34073	0.93	17	7	192	<10	4	195	<2	4586	65	13	64	55
34074	0.91	12	16	322	28	5	226	7	2863	55	13	55	62
34075	0.99	10	7	272	21	3	245	3	2341	45	10	35	47
34077	1.11	10	10	555	16	5	298	5	3002	65	13	75	65
34079	0.99	11	9	654	32	5	255	12	2965	63	14	71	71
34081	1.24	9	11	592	15	5	292	5	2359	52	13	55	61
34082	0.77	12	25	847	33	7	221	5	2885	56	15	90	72
34083	0.92	13	23	553	12	7	171	<2	3369	66	17	70	83
34084	1.05	13	18	1062	33	7	209	9	3207	59	16	87	73
34085	1.16	13	23	464	31	5	237	12	3251	58	14	56	69
34086	0.92	16	32	653	17	7	235	3	3559	63	14	66	73
34087	1.07	13	7	210	33	4	195	8	3214	53	13	51	53
34088	0.81	14	22	310	29	8	167	10	3318	79	15	84	84
34089	1.11	16	14	239	21	5	207	12	4092	76	15	60	79
34090	1.17	14	13	172	17	4	203	<2	3897	66	12	53	65
34091	1.12	15	14	208	16	5	207	<2	4079	71	15	54	71
34092	1.02	12	9	238	19	4	235	<2	3129	56	12	47	55
34093	1.26	10	9	247	10	4	223	5	2782	48	11	45	53
34096	1.15	13	8	192	28	4	197	3	3195	52	13	48	56
34097	1.14	13	13	277	10	5	203	<2	3565	65	14	63	65
34098	1.01	12	12	342	20	5	219	6	2934	54	13	54	58
34100	0.94	10	16	495	28	5	256	9	2266	49	12	65	58
34140	0.99	10	13	427	30	4	291	10	2141	49	12	57	59
34153	1.10	7	9	309	17	4	387	<2	2282	41	11	42	52
34155	1.12	13	18	401	13	5	224	8	3281	56	13	58	70
34169	1.04	12	16	301	24	4	215	6	2688	47	12	50	58
34170	1.13	12	19	646	15	7	197	<2	3469	61	18	82	86
34171	1.18	12	18	749	21	6	212	5	3276	55	14	76	69
34172	1.07	13	24	339	29	5	266	6	3147	60	12	52	60
34194	1.19	15	18	469	21	7	246	4	4612	85	16	66	90

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
34195	M	35	32.175	107.192	2	15	05/28/77	11	32.0					
34197	H	35	32.194	107.211	2	97	05/28/77	12						
34198	M	35	32.193	107.234	2	15	05/28/77	13	33.0					
34200	M	35	32.147	107.236	2	15	05/28/77	14	33.0					
34226	M	35	32.004	106.565	2	15	05/17/77	19	32.0		C			
34227	M	35	32.013	106.555	2	15	05/17/77	19						
34228	M	35	32.020	106.513	2	15	05/19/77	10	25.0					
34229	H	35	32.077	106.483	2	96	05/19/77	11	28.0					
34230	M	35	32.061	106.479	2	15	05/19/77	11	23.0					
34232	M	35	32.091	106.453	2	15	05/19/77	12	29.0					
34234	H	35	32.060	106.432	2	96	05/19/77	12	30.0		C			
34236	M	35	32.027	106.427	2	15	05/19/77	13	30.0					
34238	M	35	32.067	106.394	2	15	05/19/77	14	35.0		C			
34239	M	35	32.009	106.360	2	15	05/19/77	15	37.0					
34240	M	35	32.027	106.371	2	15	05/19/77	15	32.0					
34241	M	35	32.039	106.331	2	15	05/19/77	14	32.0					
34242	H	35	32.071	106.298	2	96	05/19/77	15	32.0					
34243	M	35	32.078	106.335	2	15	05/19/77	15	34.0					
34244	M	35	32.012	106.405	2	15	05/19/77	16	32.0					
34245	M	35	32.009	106.448	2	15	05/19/77	17	32.0		C			
34246	M	35	32.030	106.457	2	15	05/19/77	17	33.0		C			
34247	M	35	32.016	106.498	2	15	05/19/77	17	34.0		C			
34248	M	35	32.022	106.553	2	15	05/19/77	18	33.0					
34250	M	35	32.057	106.602	2	15	05/19/77	19	31.0		C			
34251	M	35	32.039	106.561	2	15	05/20/77	8	20.0					
34252	M	35	32.052	106.567	2	15	05/20/77	8	22.0					
34253	M	35	32.077	106.579	2	15	05/20/77	9	20.0					
34254	M	35	32.092	106.586	2	15	07/20/77	9	23.0					
34256	M	35	32.085	106.644	2	15	05/20/77	12	28.0					
34257	M	35	32.114	106.596	2	15	05/26/77	8	18.0					
34258	M	35	32.145	106.609	2	15	05/26/77	9	23.0					
34259	M	35	32.193	106.610	2	15	05/26/77	9	26.0					
34260	M	35	32.182	106.583	2	15	05/26/77	9	26.0					
34262	M	35	32.194	106.615	2	15	05/26/77	11	27.0					
34263	M	35	32.210	106.613	2	15	05/26/77	12	25.0					
34264	M	35	32.245	106.599	2	15	05/26/77	12	26.0					
34265	M	35	32.247	106.606	2	15	05/26/77	13	29.0					
34266	M	35	32.232	106.606	2	15	05/26/77	13	28.0					
34267	M	35	32.220	106.606	2	15	05/26/77	14	28.0					
34268	M	35	32.113	106.630	2	15	05/26/77	13	29.0					
34269	M	35	32.093	106.620	2	15	05/26/77	14	28.0		C			
34271	M	35	32.049	106.646	2	15	05/26/77	15	29.0					
34273	M	35	32.171	106.670	2	15	05/26/77	15	29.0					
34274	M	35	32.188	106.651	2	15	05/26/77	15	30.0					
34275	M	35	32.219	106.632	2	15	05/26/77	16	29.0					
34276	M	35	32.241	106.650	2	15	05/26/77	16	29.0					
34277	M	35	32.254	106.654	2	15	05/26/77	16	30.0					
34278	M	35	32.267	106.661	2	15	05/26/77	17	32.0					
34279	M	35	32.278	106.666	2	15	05/26/77	17	32.0					
34280	M	35	32.284	106.669	2	15	05/26/77	17	32.0					
34281	M	35	32.293	106.673	2	15	05/26/77	18	32.0					
34282	M	35	32.296	106.715	2	15	05/26/77	19	31.0					
34283	M	35	32.285	106.710	2	15	05/26/77	19	30.0					
34284	M	35	32.274	106.705	2	15	05/26/77	19	30.0					
34285	M	35	32.260	106.697	2	15	05/26/77	19	29.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
34195		8	3	8	4	6			3	1	2.20	<2	6.51	<10
34197		5	1	1	5	1			1	1	2.30	<2	6.15	21
34198		9	1	1	4	6			2	1	2.40	<2	6.04	<10
34200		6			4	6			2	1	2.90	<2	6.30	<10
34226	1	5	1	6	4	6			2	1	2.80	<2	4.52	11
34227	1	9	1	6	4	6			2	1	3.10	<2	4.26	<10
34228	1	12	1	6	3	6			1	1	2.60	<2	4.34	<10
34229	1	10	1	6	4	6			2	1	2.80	<2	5.01	<10
34230	1	13	1	6	4	6			2	1	3.30	<2	3.80	10
34232	1	13	1	6	4	6			1	1	2.40	<2	4.86	<10
34234	1	14	1	6	4	6			1	1	2.40	<2	6.09	14
34236	1	20	1	6	4	6			1	1	2.20	<2	5.52	14
34238		5	1	6	4	6			2	1	2.20	<2	4.75	<10
34239		10	1	6	4	6			2	1	2.30	<2	4.95	10
34240		11	1	6	4	6			2	1	2.60	<2	4.27	<10
34241		6	1	6	4	6			2	1	1.50	<2	4.19	<10
34242	1	8	1	6	4	6			2	1	2.80	<2	4.73	<10
34243	1		1	6	4	6			1	1	3.10	<2	4.60	<10
34244			1	6	4	6			2	1	2.40	<2	4.76	<10
34245	1	8	1	6	4	6			2	1	4.70	<2	3.49	<10
34246	1	8	1	6	4	6			2	1	2.50	<2	4.32	<10
34247	1	14	1	6	4	6			3	1	2.10	<2	4.38	12
34248	1	7	1	6	4	6			2	1	3.20	<2	4.30	10
34250	1	9	1	6	4	6			1	1	2.80	<2	4.51	<10
34251	1	6	1	7	3	7			2	1	2.50	<2	4.13	10
34252	1	8	1	6	4	6			2	1	3.10	<2	4.52	13
34253	1		1	6	4	6			2	1	2.50	<2	3.60	<10
34254	1	7	1	6	4	6			2	1	3.50	<2	3.73	<10
34256	1	13	1	6	4	6			1	1	2.40	<2	4.43	10
34257	1	17	1	6	4	6			3	1	4.40	<2	3.69	<10
34258	1	16	1	6	4	6			1	1	2.50	<2	4.01	11
34259	1	9	1	7	3	7			3	1	2.70	<2	3.64	14
34260	1	8	1	6	4	6			2	1	2.10	<2	4.10	<10
34262	1	12	1	7	3	7			2	1	3.20	<2	3.40	11
34263	1	35	1	6	4	6			3	1	3.40	<2	3.83	<10
34264	1	20	1	6	4	6			4	3	3.20	<2	4.92	<10
34265	1	30	1	6	4	6			3	3	2.80	<2	5.66	12
34266	1	56	1	6	4	6			3	3	3.70	<2	4.71	<10
34267	1	40	1	6	4	6			3	3	4.40	<2	4.79	<10
34268	1	12	1	6	4	6			1	2	2.80	<2	4.95	10
34269	1	12	1	6	4	6			1	2	3.50	<2	4.02	<10
34271	1	16	1	6	4	6			1	2	2.80	<2	5.02	15
34273		20	1	6	4	6			1	2	2.60	<2	4.52	10
34274	1	14	1	4	3	4			2	2	4.20	<2	4.23	<10
34275	1	35	1	3	4	3			1	2	3.00	<2	4.69	<10
34276	1	35	1	7	3	7			2	2	3.80	<2	4.80	<10
34277	1	30	1	6	4	6			2	2	4.00	<2	3.88	<10
34278	1	35	1	7	3	7			2	2	3.40	<2	3.81	<10
34279	1	25	1	6	4	6			2	2	2.50	<2	4.33	<10
34280	1	40	1	7	3	7			2	2	4.00	<2	4.69	<10
34281	1	35	1	7	3	7			2	2	2.60	<2	5.09	<10
34282	1	16	1	6	4	6			2	2	3.10	<2	4.78	<10
34283	1	12	1	6	4	6			2	2	4.50	<2	4.13	<10
34284	1	14	1	6	4	6			2	2	3.30	<2	4.32	<10
34285	1	25	1	6	3	6			3	2	3.30	<2	4.64	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
34195	505	1	1.78	48	11	42	20	3.68	<15	1.76	23	24	0.83	503	<4
34197	538	1	3.83	36	6	23	18	2.23	<15	1.78	19	35	0.77	310	<4
34198	525	1	1.08	31	<4	20	8	1.86	<15	1.92	18	25	0.31	261	<4
34200	535	5	0.69	44	<4	21	9	1.69	<15	2.09	23	24	0.27	236	<4
34226	520	1	5.31	31	4	23	17	1.78	<15	1.57	16	22	0.56	285	<4
34227	553	1	3.24	41	5	22	13	2.30	<15	1.58	19	16	0.40	422	<4
34228	537	4	2.35	33	<4	20	10	1.73	<15	1.67	18	16	0.34	283	<4
34229	589	1	2.01	45	5	22	11	2.12	<15	1.67	22	22	0.44	320	<4
34230	541	1	1.44	43	5	22	11	2.51	<15	1.49	19	15	0.31	390	<4
34232	561	1	0.70	34	<4	17	7	1.44	17	1.86	17	19	0.32	197	<4
34234	579	1	1.55	50	6	26	20	2.09	<15	2.22	25	29	0.57	332	<4
34236	522	1	5.57	41	6	26	17	2.16	<15	1.61	22	27	0.83	329	<4
34238	552	1	1.04	33	<4	18	9	1.72	<15	1.78	18	19	0.34	252	<4
34239	557	1	0.76	33	4	17	10	1.61	17	1.98	19	21	0.33	216	<4
34240	572	1	0.50	31	<4	13	6	1.25	24	1.73	18	16	0.24	172	<4
34241	560	2	0.43	31	<4	11	6	0.89	<15	1.84	17	16	0.20	108	<4
34242	537	1	0.60	37	<4	18	9	1.67	<15	1.81	20	20	0.33	218	<4
34243	546	1	0.59	32	<4	15	7	1.26	<15	1.85	18	15	0.31	157	<4
34244	584	1	1.63	29	<4	16	9	1.47	<15	1.79	16	15	0.36	202	<4
34245	462	<1	2.14	55	9	31	10	4.58	<15	1.36	23	14	0.60	702	<4
34246	571	3	2.07	43	5	19	8	1.81	<15	1.54	21	15	0.44	282	<4
34247	556	1	3.89	45	5	23	12	1.53	<15	1.69	21	20	0.43	235	<4
34248	552	1	3.24	44	4	23	11	2.08	<15	1.55	21	15	0.43	319	<4
34250	562	3	1.98	39	4	20	15	1.98	<15	1.67	18	20	0.41	323	<4
34251	527	1	3.58	39	4	21	13	1.74	<15	1.34	18	20	0.43	256	<4
34252	577	1	3.44	48	7	25	18	2.80	<15	1.30	23	26	0.59	428	<4
34253	523	1	1.24	32	<4	14	8	1.47	<15	1.18	15	12	0.31	243	<4
34254	524	1	2.02	52	7	25	11	3.28	<15	1.11	23	20	0.43	567	<4
34256	587	1	1.87	39	4	14	11	1.44	<15	1.40	18	21	0.41	242	<4
34257	533	1	2.16	63	8	28	24	4.40	<15	1.13	30	18	0.56	632	<4
34258	578	1	4.09	40	5	21	14	1.96	<15	1.22	20	32	0.83	292	<4
34259	442	1	7.49	35	5	28	31	1.79	<15	1.13	17	16	0.46	272	<4
34260	566	1	4.23	35	<4	18	10	1.28	<15	1.43	18	16	0.64	199	<4
34262	430	1	6.24	37	4	28	26	2.25	<15	1.04	18	14	0.48	325	<4
34263	478	2	2.60	41	<4	18	17	1.75	19	1.50	20	17	0.44	385	<4
34264	524	2	0.58	52	5	20	58	2.19	<15	1.80	26	23	0.33	508	<4
34265	522	2	1.55	51	5	24	20	2.16	<15	1.77	26	27	0.56	339	<4
34266	510	2	0.73	49	4	18	17	1.93	<15	1.76	24	22	0.30	466	<4
34267	434	5	1.36	44	4	16	15	1.77	<15	1.58	21	27	0.39	498	<4
34268	527	1	1.55	43	5	19	16	1.85	<15	1.66	21	20	0.51	295	<4
34269	576	1	1.25	30	4	13	8	1.80	<15	1.40	15	15	0.31	297	<4
34271	573	1	2.55	43	5	23	15	1.94	<15	1.36	20	24	0.66	324	<4
34273	562	1	1.98	34	<4	15	10	1.38	22	1.77	18	20	0.41	264	<4
34274	574	5	1.49	59	7	24	13	2.62	<15	1.38	26	16	0.40	413	<4
34275	512	2	1.60	47	<4	16	26	1.69	<15	1.72	21	22	0.37	362	<4
34276	467	2	0.60	53	<4	17	14	1.74	<15	1.83	28	22	0.25	395	<4
34277	462	1	0.91	51	<4	21	9	2.42	<15	1.37	26	15	0.26	380	<4
34278	439	1	5.72	53	6	23	36	3.07	17	1.16	28	19	0.60	508	<4
34279	520	1	1.93	30	<4	14	10	1.41	<15	1.55	16	18	0.38	245	<4
34280	455	2	0.64	55	<4	13	12	1.64	16	1.83	25	18	0.21	385	<4
34281	516	1	3.28	49	5	17	22	1.71	<15	1.70	23	24	0.50	302	<4
34282	728	1	2.08	54	7	21	14	2.20	<15	1.53	24	18	0.61	362	<4
34283	575	1	1.46	72	11	33	14	4.62	<15	1.17	33	15	0.46	708	<4
34284	556	1	1.10	38	5	19	14	2.19	<15	1.34	19	15	0.44	342	<4
34295	571	1	1.39	43	4	17	19	2.08	<15	1.64	21	20	0.37	352	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
34195	1.50	15	25	610	20	7	296	<2	4845	95	14	65	95
34197	1.15	10	14	430	13	5	275	<2	2343	62	12	54	62
34198	1.41	10	8	131	13	4	224	<2	2664	42	11	39	47
34200	1.45	15	6	162	25	3	214	3	2421	39	12	38	46
34226	1.07	9	10	271	28	3	356	<2	2462	44	11	50	57
34227	1.08	11	9	201	28	4	244	4	3449	62	11	50	57
34228	1.04	11	9	235	14	3	183	3	2532	43	10	38	52
34229	1.08	10	9	230	16	4	227	4	2776	56	12	40	63
34230	0.98	11	17	325	121	4	166	2	3413	66	11	89	49
34232	1.10	6	3	136	12	3	163	<2	1895	32	9	29	44
34234	1.22	10	13	472	32	5	200	9	2398	45	13	60	67
34236	0.76	11	14	425	24	5	255	11	2223	50	14	49	66
34238	1.02	8	8	164	16	3	163	<2	2402	40	10	34	51
34239	1.08	8	6	174	14	3	151	7	2042	36	10	35	47
34240	0.93	7	4	104	21	2	134	8	1719	29	8	27	40
34241	0.98	8	7	86	13	2	129	2	1047	19	7	25	32
34242	1.04	9	9	140	20	3	149	7	2358	38	10	37	56
34243	0.97	7	6	125	18	3	141	6	1496	27	8	29	43
34244	1.03	9	9	161	21	3	179	<2	1948	34	10	32	46
34245	0.92	17	12	198	16	4	172	<2	6565	142	15	71	67
34246	1.02	11	10	201	23	3	211	9	2540	48	10	35	52
34247	1.03	10	11	293	25	4	214	9	1956	38	11	36	54
34248	1.06	11	9	228	23	4	249	6	3036	57	11	45	57
34250	1.13	10	11	268	41	4	221	5	2735	51	10	54	53
34251	0.93	11	9	256	25	3	242	3	2363	44	10	41	54
34252	0.83	12	11	313	29	5	232	14	3723	71	13	54	68
34253	0.88	8	6	152	18	3	178	7	2229	39	8	29	37
34254	0.74	16	8	242	24	4	184	7	4881	90	11	53	72
34256	0.98	9	4	257	25	3	221	6	1949	37	9	32	49
34257	0.81	25	8	268	17	5	212	<2	6140	114	14	73	82
34258	0.80	10	8	210	18	3	303	7	2672	49	11	38	59
34259	0.69	12	13	338	15	4	236	3	2289	44	13	48	50
34260	0.87	9	11	239	<10	3	191	4	1669	32	10	31	45
34262	0.68	14	14	278	19	4	221	7	3064	58	12	51	47
34263	0.80	17	10	137	28	3	147	10	2361	42	12	41	47
34264	0.95	18	10	150	28	4	145	4	2954	51	13	49	70
34265	0.89	16	12	356	33	5	172	8	2491	45	15	56	74
34266	0.99	18	6	139	17	3	151	4	2855	45	14	42	65
34267	1.05	30	7	173	21	3	173	16	2272	38	18	53	97
34268	1.15	9	10	361	46	4	244	8	2452	45	11	44	60
34269	1.03	6	7	191	15	3	197	3	2590	46	8	36	46
34271	0.91	9	10	465	16	5	230	4	2340	48	13	42	64
34273	1.05	11	6	377	17	3	215	2	1842	32	11	37	48
34274	0.99	19	9	244	17	4	188	8	3942	71	13	50	71
34275	0.96	19	7	190	21	3	166	6	2244	37	14	43	59
34276	1.05	20	3	123	25	3	134	8	2492	39	14	41	62
34277	0.82	21	6	124	20	3	134	2	3809	62	14	42	59
34278	0.70	22	11	206	28	4	250	13	4011	74	15	64	66
34279	0.98	10	3	167	14	3	178	3	1889	31	10	34	43
34280	1.17	22	3	118	21	3	127	10	2433	34	14	43	50
34281	1.00	14	7	354	24	4	198	7	1953	36	13	46	52
34282	1.12	15	10	294	55	4	227	10	2887	57	12	52	63
34283	0.92	25	14	291	23	5	204	6	7210	119	16	83	87
34284	0.98	12	8	261	<10	4	197	<2	3281	57	11	45	58
34285	1.08	14	7	200	13	3	171	4	2912	50	12	46	61

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM.	MEAS	PH	CT-F
34286	M	35	32.251	106.692	2	15	05/26/77	20	29.0					
34287	M	35	32.244	106.687	2	15	05/26/77	20	30.0					
34288	M	35	32.207	106.663	2	15	05/26/77	21	28.0					
34289	M	35	32.136	106.642	2	15	05/27/77	7			C			
34290	M	35	32.159	106.657	2	15	05/27/77	8	21.0		C			
34291	M	35	32.191	106.680	2	15	05/27/77	8	22.0		C			
34292	M	35	32.210	106.692	2	15	05/27/77	8	22.0		C			
34293	M	35	32.222	106.701	2	15	05/27/77	8	23.0		C			
34296	M	35	32.209	106.735	2	15	05/27/77	9	22.0					
34298	M	35	32.253	106.734	2	15	05/27/77	9	28.0		C			
34300	M	35	32.266	106.738	2	15	05/27/77	11	31.0		C			
34301	M	35	32.300	106.646	2	15	05/27/77	11	33.0					
34302	M	35	32.299	106.621	2	15	05/27/77	12	32.0					
34303	M	35	32.294	106.615	2	15	05/27/77	13	32.0					
34305	M	35	32.286	106.608	2	15	05/27/77	13	31.0					
34306	M	35	32.276	106.608	2	15	05/27/77	14	29.0					
34308	M	35	32.327	106.622	2	15	05/27/77	15	35.0					
34309	M	35	32.322	106.572	2	11	05/27/77	15	30.0	9.1			8.0	130
34311	M	35	32.335	106.599	2	15	05/27/77	16	31.0					
34312	M	35	32.342	106.610	2	15	05/27/77	16	32.0					
34313	M	35	32.352	106.612	2	15	05/27/77	18	33.0					
34315	M	35	32.368	106.620	2	15	05/27/77	18	33.0					
34316	M	35	32.367	106.634	2	15	05/27/77	19	32.0					
34317	M	35	32.362	106.638	2	15	05/27/77	20	32.0					
34318	M	35	32.350	106.645	2	15	05/27/77	20	32.0					
34319	M	35	32.335	106.653	2	15	05/27/77	19	32.0					
34320	M	35	32.311	106.684	2	15	05/27/77	20	31.0					
34321	M	35	32.339	106.690	2	15	05/27/77	21	29.0					
34322	M	35	32.352	106.698	2	15	05/27/77	21	29.0					
34323	M	35	32.369	106.713	2	15	05/27/77	21	30.0					
34324	M	35	32.301	106.718	2	15	05/29/77	8	28.0					
34325	M	35	32.319	106.727	2	15	05/29/77	9	32.0					
34326	M	35	32.325	106.729	2	15	05/29/77	9	29.0					
34327	M	35	32.357	106.744	2	15	05/29/77	10	30.0					
34329	M	35	32.391	106.549	2	15	05/29/77	12	35.0					
34330	M	35	32.386	106.548	2	15	05/29/77	13	36.0					
34331	M	35	32.393	106.549	2	15	05/29/77	13	36.0					
34332	M	35	32.399	106.548	2	15	05/29/77	13	36.0					
34333	M	35	32.407	106.548	2	15	05/29/77	13	35.0					
34335	M	35	32.414	106.549	2	15	05/29/77	14	35.0					
34336	M	35	32.429	106.557	2	15	05/29/77	14	36.0		C			
34337	M	35	32.412	106.613	2	15	05/29/77	14	36.0					
34339	M	35	32.399	106.613	2	15	05/29/77	15	37.0					
34340	M	35	32.387	106.612	2	15	05/29/77	15	34.0					
34342	M	35	32.430	106.613	2	15	05/29/77	15	31.0					
34343	M	35	32.441	106.613	2	15	05/29/77	16	33.0					
34344	M	35	32.459	106.614	2	15	05/29/77	16	33.0					
34345	M	35	32.475	106.613	2	15	05/29/77	16	34.0					
34346	M	35	32.499	106.613	2	15	05/29/77	17	34.0					
34347	M	35	32.495	106.626	2	15	05/29/77	17	36.0					
34348	M	35	32.477	106.654	2	15	05/29/77	17	34.0					
34349	M	35	32.462	106.674	2	15	05/29/77	17	34.0					
34350	M	35	32.409	106.651	2	15	05/29/77	15	34.0					
34351	M	35	32.402	106.669	2	15	05/29/77	18	34.0					
34352	M	35	32.383	106.722	2	15	05/29/77	19	30.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
34286	1	8	1	6	3	6			2	2	4.60	<2	4.77	<10
34287	1	17	3	6	4	6			2	1	2.60	<2	4.52	<10
34288	1	15	1	7	3	7			2	1	4.50	<2	4.10	<10
34289	1	15	3	7	3	7			2	1	3.40	<2	4.87	<10
34290	9	15	1	7	6	7			2	1	2.30	<2	4.67	<10
34291	9	30	1	6	4	6			2	1	3.20	<2	4.17	<10
34292	9	11	1	6	4	6			2	1	2.70	<2	3.87	<10
34293	9	11	1	6	4	6			2	1	2.50	<2	4.11	<10
34296	3	15	1	6	4	6			1	1	2.90	<2	4.95	<10
34298	1	23	1	6	4	6			1	1	2.80	<2	4.94	10
34300	7	11	1	6	4	6			2	1	4.50	<2	4.24	<10
34301	1	35	1	4	3	4			2	1	3.70	<2	4.85	<10
34302	1	45	1	6	3	4			2	1	3.30	<2	5.51	<10
34303	1	40	3	7	3	7			3	1	3.50	<2	5.41	<10
34305		45	1	7	2	7			3	1	3.30	2	4.87	13
34306	1	37	1	7	3	7			3	1	3.10	<2	5.13	13
34308	1	35	1	3	7	3			2	1	3.60	<2	5.42	16
34309	1	20	1	7	2	7	2	1	4	1	9.40	<2	5.02	<10
34311	1	35	1	7	3	7			2	1	5.00	<2	5.43	<10
34312	1	25	1	7	3	7			3	1	3.20	<2	5.53	12
34313	1	25	1	7	3	7			2	1	3.80	<2	4.88	15
34315	1	36	1	6	4	6			1	1	8.20	<2	4.29	<10
34316	1	30	1	6	4	6			2	1	3.00	<2	5.15	14
34317	1	27	1	6	4	6			2	1	4.10	<2	4.90	15
34318	1	25	1	6	4	6			2	1	4.10	<2	4.74	<10
34319	1	35	1	6	4	6			2	1	3.40	<2	5.61	<10
34320	1	23	1	7	3	7			3	1	2.70	<2	4.24	10
34321		14	1	6	4	6			4		2.80	<2	4.45	12
34322	1	15	1	6	4	6			3	1	2.70	<2	3.91	10
34323	1	20	1	6	4	6			3	1	5.00	<2	4.41	<10
34324	4	25	1	6	4	6			2	1	3.00	<2	4.34	<10
34325	1	21	1	6	4	6			2	1	4.40	<2	4.69	<10
34326	1		1	6	4	6			2	1	3.90	<2	4.53	11
34327	7	28	1	6	4	6			2	1	3.80	<2	4.29	11
34329		20	1	3	4	6			2	1	10.20	<2	4.55	<10
34330	1	16	3	4	4	6			3	1	13.90	<2	5.30	<10
34331		25	3	1	3	6			3		6.10	<2	5.54	<10
34332	1	35	3	6	3	6			3	1	7.20	<2	5.37	<10
34333	1	30	3	4	3	6			2	1	11.30	<2	6.13	<10
34335	1	15	3	4	4	6			2	1	6.90	<2	7.00	<10
34336	1	25	3	4	4	6			2	5	6.10	<2	7.24	<10
34337	1	25	1	6	4	6			4	1	3.70	<2	6.27	<10
34339	1	40	3	1	3	6			2	1	4.20	<2	5.98	<10
34340	1	24	3	4	4	6			2	1	6.20	<2	5.01	<10
34342	1	23	3	6	4	6			2	1	7.40	<2	4.04	<10
34343	1	15	3	4	3	6			2	1	4.50	<2	5.36	<10
34344	1	15	1	6	4	6			2	1	2.60	<2	4.10	15
34345	1	15	1	7	3	7			2	1	3.40	<2	4.54	13
34346	1	20	1	6	4	6			2	1	7.90	<2	4.56	15
34347	1	14	1	6	4	6			1	1	3.10	<2	5.07	26
34348	1	17	1	6	4	6			1	1	4.20	<2	4.11	15
34349	1	16	1	6	4	6			1	1	4.50	<2	3.62	16
34350	1	25	1	4	4	4			1	1	3.00	<2	5.38	13
34351	1	22	1	4	4	4			1	1	3.00	<2	6.09	15
34352	1	10	1	4	4	4			2	1	3.30	<2	4.90	13

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	HA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
34286	656	1	0.78	68	9	27	18	3.19	<15	1.40	30	17	0.42	520	<4
34287	531	1	1.72	40	4	17	17	2.04	<15	1.56	20	20	0.45	353	<4
34288	490	4	1.01	55	5	22	13	2.66	<15	1.47	25	17	0.29	457	<4
34289	600	1	2.21	67	6	22	32	2.71	<15	1.44	32	19	0.51	529	<4
34290	595	1	2.96	33	4	18	14	1.57	16	1.46	16	18	0.48	259	<4
34291	521	1	1.18	39	5	22	13	1.96	<15	1.47	18	16	0.34	341	<4
34292	534	1	0.85	39	5	18	10	2.10	<15	1.30	19	12	0.32	325	<4
34293	542	1	0.95	31	<4	14	8	1.51	<15	1.46	17	13	0.29	239	<4
34296	467	1	5.21	53	6	25	31	2.09	<15	1.05	26	27	0.68	317	<4
34298	589	1	1.56	53	5	19	12	2.15	<15	1.58	24	21	0.45	353	<4
34300	571	1	1.30	52	6	23	15	2.71	<15	1.42	24	15	0.40	420	<4
34301	455	2	0.74	50	<4	20	17	1.99	<15	1.69	25	21	0.30	389	<4
34302	489	2	1.40	52	5	21	26	2.24	<15	1.74	27	26	0.47	432	<4
34303	472	3	0.56	56	<4	15	16	1.79	<15	1.88	27	25	0.30	521	<4
34305	479	2	1.15	62	6	24	21	1.87	<15	1.55	29	21	0.37	493	4
34306	498	2	0.72	54	4	21	17	1.80	<15	1.75	26	22	0.37	447	<4
34308	478	3	0.54	48	5	26	18	2.14	<15	1.81	23	27	0.39	359	<4
34309	254	6	0.18	53	<4	7	6	0.62	<15	2.34	23	22	0.10	1115	5
34311	532	3	0.92	65	5	22	26	2.94	<15	1.71	32	21	0.41	644	<4
34312	587	2	1.10	57	6	25	25	2.30	<15	1.61	29	26	0.46	419	<4
34313	509	2	3.59	70	7	28	17	2.56	<15	1.45	33	23	0.69	535	<4
34315	449	2	1.41	116	7	21	11	4.92	<15	1.51	55	17	0.42	721	<4
34316	533	2	0.94	49	4	21	15	1.91	15	1.64	26	24	0.46	292	<4
34317	539	2	2.70	53	5	25	12	2.51	<15	1.48	26	22	0.57	476	<4
34318	519	2	1.73	64	6	25	21	3.56	<15	1.41	33	20	0.40	460	<4
34319	638	2	0.85	56	5	20	11	2.10	<15	1.65	28	21	0.38	409	<4
34320	525	1	3.14	53	4	18	22	1.73	<15	1.37	25	18	0.44	269	<4
34321	529	1	1.83	48	4	21	11	1.88	<15	1.42	24	20	0.51	292	<4
34322	499	1	3.12	40	4	17	8	1.66	<15	1.23	21	19	0.49	261	<4
34323	539	1	2.07	73	6	19	10	3.31	<15	1.51	34	17	0.39	506	<4
34324	654	1	1.72	51	6	19	13	1.81	<15	1.36	27	17	0.44	311	<4
34325	654	1	1.98	44	6	19	10	2.07	<15	1.37	20	19	0.48	436	<4
34326	634	1	2.15	53	7	21	11	2.21	<15	1.20	25	18	0.51	491	<4
34327	595	1	1.72	47	6	17	11	2.33	<15	1.48	23	15	0.36	409	<4
34329	404	3	2.12	113	10	31	28	9.45	<15	1.39	54	16	0.83	971	<4
34330	356	3	2.00	167	15	32	20	10.33	<15	1.46	82	17	1.12	1131	<4
34331	460	3	3.06	102	8	25	35	4.50	<15	1.55	52	19	0.97	567	<4
34332	447	2	2.70	100	9	31	46	5.25	<15	1.54	50	17	0.87	582	<4
34333	480	3	2.85	124	13	31	36	4.34	<15	2.10	62	20	1.03	675	<4
34335	532	3	1.96	96	14	33	58	4.41	<15	2.06	49	22	1.03	636	<4
34336	526	3	1.54	99	13	23	30	3.36	<15	2.11	51	27	1.13	709	<4
34337	563	3	1.41	56	4	12	25	2.81	17	2.60	29	15	0.36	404	<4
34339	487	3	0.66	77	5	20	18	2.53	<15	2.31	35	21	0.34	453	<4
34340	453	2	0.98	90	6	18	15	3.93	<15	1.81	43	18	0.35	560	<4
34342	384	2	1.95	61	14	82	41	13.35	19	1.21	27	14	0.49	627	<4
34343	537	2	1.41	61	9	20	28	2.67	<15	1.75	29	16	0.49	370	<4
34344	448	1	8.03	37	5	22	16	1.79	<15	1.31	17	20	1.19	296	<4
34345	471	1	6.32	30	8	27	16	2.81	<15	1.41	13	26	0.81	355	<4
34346	454	2	4.69	71	8	34	21	3.81	<15	1.52	30	20	0.72	451	<4
34347	470	2	5.52	39	6	31	16	2.13	<15	1.46	18	28	1.06	428	<4
34348	424	1	6.77	52	6	28	14	2.52	<15	1.26	23	22	0.76	323	4
34349	380	1	7.44	51	7	27	13	2.58	<15	1.07	23	19	0.75	327	4
34350	522	2	1.45	61	6	24	23	2.32	<15	1.77	32	29	0.50	377	<4
34351	529	2	1.25	61	6	25	18	2.22	<15	1.90	32	32	0.55	432	<4
34352	514	1	0.59	41	7	25	13	2.27	<15	1.55	22	20	0.33	337	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
34286	1.04	18	10	301	31	5	199	11	5078	82	15	60	85
34287	1.02	12	8	225	12	3	190	2	2719	48	12	45	57
34288	0.90	23	8	165	18	3	153	9	3886	65	14	49	64
34289	1.08	15	9	382	34	5	228	6	3642	66	15	63	75
34290	1.01	10	11	472	30	3	259	<2	1979	36	11	47	54
34291	0.94	13	9	274	26	3	177	<2	2790	49	11	43	62
34292	0.90	11	9	198	29	3	168	7	3020	54	10	38	55
34293	0.97	10	7	201	23	3	173	3	1974	35	10	36	43
34296	0.64	12	12	328	44	6	303	14	2186	53	15	60	68
34298	1.14	15	7	351	26	4	214	9	2829	53	13	44	58
34300	1.08	15	7	253	45	4	195	4	4172	74	12	51	71
34301	1.07	23	7	167	18	3	137	5	2853	44	15	48	70
34302	1.01	19	7	232	17	4	156	3	2836	46	17	59	76
34303	1.24	22	6	221	26	4	141	9	2430	35	17	50	71
34305	0.95	19	12	326	34	4	160	10	2423	44	16	55	66
34306	1.09	16	10	355	27	4	160	8	2334	40	16	56	67
34308	1.08	18	13	283	24	5	152	4	2810	51	14	54	77
34309	1.71	55	2	197	25	2	57	6	2432	15	17	33	79
34311	1.48	26	11	607	145	4	241	9	3282	66	18	110	54
34312	1.16	15	11	418	29	5	231	7	2776	54	15	53	54
34313	1.03	18	13	491	46	5	288	13	3116	60	16	61	54
34315	1.04	46	12	430	26	5	181	8	5175	97	31	57	50
34316	1.07	11	10	349	23	4	186	7	2302	45	13	49	51
34317	1.09	16	12	431	27	4	265	9	2881	58	14	53	49
34318	1.08	21	11	399	26	4	238	7	3548	83	15	52	43
34319	1.46	16	8	402	24	4	274	4	2536	48	14	42	44
34320	1.01	13	6	364	29	3	239	12	2162	44	11	40	46
34321	1.03	13	9	380	23	4	233	6	2490	49	12	43	55
34322	0.89	12	8	310	19	3	263	<2	2229	45	11	32	46
34323	1.12	25	8	221	17	4	235	10	3911	73	15	40	40
34324	1.05	11	8	335	20	4	244	9	2586	51	12	39	54
34325	1.11	9	9	449	17	4	282	3	2619	60	12	45	52
34326	0.93	11	9	525	23	5	279	6	2942	67	14	43	64
34327	1.20	15	6	326	32	3	249	9	3065	61	12	46	40
34329	1.17	48	12	1346	18	7	194	54	8554	201	28	65	34
34330	1.55	57	13	2381	17	11	211	44	10076	230	41	80	27
34331	1.40	25	10	1136	35	6	245	21	4333	104	21	89	31
34332	1.33	28	14	1136	24	6	224	43	4850	123	24	64	31
34333	1.70	31	14	2178	22	9	247	9	5846	107	33	70	33
34335	1.69	22	17	1634	43	9	259	13	4606	104	23	75	34
34336	1.68	19	16	1749	81	10	222	13	4128	76	24	165	33
34337	1.71	19	6	643	114	3	193	9	3010	58	15	131	21
34339	1.43	23	11	517	37	4	158	14	2855	54	18	62	47
34340	1.18	36	5	505	29	4	152	13	3959	75	27	57	43
34342	0.82	24	18	930	31	4	182	6	5069	337	18	75	27
34343	1.27	16	10	984	31	5	212	11	3197	65	19	48	31
34344	0.85	14	13	582	22	4	295	<2	2156	43	12	49	42
34345	1.15	10	13	564	19	5	429	<2	2930	69	11	48	47
34346	1.02	16	12	1281	23	5	239	11	4176	81	35	60	42
34347	0.94	9	15	771	17	5	308	8	2289	50	15	53	47
34348	0.88	12	15	483	15	4	345	10	2500	56	17	44	38
34349	0.77	13	13	462	20	4	363	13	2504	53	18	44	38
34350	0.90	15	14	453	109	5	166	14	2437	53	17	100	56
34351	1.02	12	14	511	38	5	172	8	2359	51	17	69	60
34352	0.91	12	11	273	32	4	176	10	2822	57	13	49	61

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
34353	M	35	32.433	106.729	2	15	05/29/77	19	34.0					
34354	M	35	32.450	106.730	2	15	05/29/77	19	33.0					
34356	M	35	32.462	106.716	2	15	05/29/77	21	23.0					
34357	M	35	32.438	106.683	2	15	05/29/77	22	25.0					
34358	M	35	32.316	106.754	2	15	05/30/77	10	29.0					
34359	M	35	32.342	106.772	2	15	05/30/77	10	30.0					
34360	M	35	32.356	106.785	2	15	05/30/77	11	32.0					
34361	M	35	32.376	106.797	2	15	05/30/77	11	32.0					
34362	M	35	32.389	106.805	2	15	05/30/77	12	35.0					
34363	M	35	32.412	106.758	2	15	05/30/77	12	35.0					
34364	M	35	32.408	106.790	2	15	05/30/77	13	35.0					
34365	M	35	32.401	106.811	2	15	05/30/77	13	35.0					
34367	M	35	32.410	106.821	2	15	05/30/77	14	36.0					
34368	M	35	32.431	106.815	2	15	05/30/77	13	36.0					
34369	M	35	32.428	106.834	2	15	05/30/77	13	36.0					
34370	M	35	32.438	106.856	2	15	05/30/77	14	38.0					
34371	M	35	32.464	106.855	2	15	05/30/77	14	39.0					
34372	M	35	32.494	106.869	2	15	05/30/77	14	39.0					
34379	M	35	32.579	106.742	2	15	06/06/77	17	34.0					
34381	M	35	32.596	106.704	2	15	06/06/77	9	24.0					
34383	M	35	32.574	106.672	2	15	06/06/77	10	28.0					
34384	M	35	32.532	106.682	2	15	06/06/77	10	30.0					
34385	M	35	32.532	106.717	2	15	06/06/77	11	31.0					
34386	M	35	32.504	106.740	2	15	06/06/77	11	32.0					
34387	M	35	32.561	106.716	2	15	06/06/77	11						
34388	M	35	32.647	106.683	2	15	06/06/77	11	31.0		C			
34389	H	35	32.614	106.681	2	97	06/06/77	11	32.0					
34390	M	35	32.663	106.693	2	15	06/06/77	12	34.0					
34391	M	35	32.638	106.707	2	15	06/06/77	12	36.0					
34392	M	35	32.646	106.727	2	15	06/06/77	12	36.0					
34393	M	35	32.652	106.727	2	15	06/06/77	12	36.0					
34394	M	35	32.667	106.726	2	15	06/06/77	12	36.0					
34396	M	35	32.706	106.731	2	15	06/06/77	13	32.0					
34397	M	35	32.720	106.743	2	15	06/06/77	14	36.0					
34398	M	35	32.609	106.768	2	15	06/06/77	13	36.0					
34399	M	35	32.606	106.801	2	15	06/06/77	14						
34400	M	35	32.628	106.802	2	15	06/06/77	14	36.0					
34401	M	35	32.603	106.840	2	15	06/06/77	14	36.0					
34402	M	35	32.636	106.837	2	15	06/06/77	15	36.0					
34403	M	35	32.661	106.846	2	15	06/06/77	15	36.0					
34405	M	35	32.693	106.833	2	15	06/06/77	16	32.0					
34406	M	35	32.711	106.829	2	15	06/06/77	16	33.0					
34407	M	35	32.672	106.779	2	15	06/06/77	16	35.0					
34408	M	35	32.723	106.768	2	15	06/06/77	17	34.0					
34409	M	35	32.722	106.811	2	15	06/06/77	17	35.0					
34410	M	35	32.733	106.854	2	15	06/06/77	17	34.0					
34411	M	35	32.747	106.834	2	15	06/06/77	17	34.0					
34412	M	35	32.735	106.903	2	15	06/06/77	17	34.0					
34413	M	35	32.713	106.905	2	15	06/06/77	17	33.0					
34414	M	35	32.677	106.903	2	15	06/06/77	18	32.0					
34415	M	35	32.648	106.904	2	15	06/06/77	18	32.0					
34416	M	35	32.619	106.903	2	15	06/06/77	18	33.0					
34417	M	35	32.590	106.903	2	15	06/06/77	18	32.0					
34420	M	35	32.576	106.934	2	15	06/06/77	20	28.0					
34421	M	35	32.557	106.924	2	15	06/06/77	20	27.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
34353	1	17	1	4	4	4			2	1	3.00	<2	5.49	16
34354	1	20	1	6	4	6			1	1	2.80	<2	5.23	<10
34356	1	8	1	4	4	4			2	1	2.60	<2	6.51	19
34357	1	6	1	6	4	6			1	1	2.60	<2	5.74	12
34358	1	17	1	6	4	6			2	1	4.10	<2	4.97	12
34359		27	1	6	4	6			2	1	3.70	<2	4.54	11
34360	1	11	1	6	4	6			2	1	4.50	<2	3.97	<10
34361	1	9	1	6	4	6			2	1	3.30	<2	7.73	20
34362	1	26	1	7	3	7			2	1	3.20	<2	5.08	10
34363	1	13	1	7	3	7			2	1	2.80	<2	4.63	<10
34364	1	16	1	6	4	6			2	1	7.70	<2	4.10	<10
34365	1	29	1	7	3	7			2	1	3.00	2	4.87	<10
34367	7	21	1	6	4	6			2	1	3.70	<2	5.18	<10
34368	7	18	1	6	4	6			2	1	3.40	<2	4.99	<10
34369	1	28	3	7	4	6			2	1	3.50	<2	5.76	<10
34370	1	18	1	6	4	6			2	1	3.20	<2	6.27	<10
34371	1	19	3	4	4	6			2	1	3.60	<2	5.56	10
34372	1	11	3	7	4	6			2	1	3.10	<2	4.61	<10
34379	1	12	1	4	4	4			1	1	2.90	<2	6.18	10
34381	1	13	1	6	4	6			1	1	3.20	<2	6.70	34
34383	1	17	1	6	4	6			1	1	2.90	<2	5.92	24
34384	1	13	1	6	4	6			1	1	2.90	<2	5.46	12
34385	1	17	1	6	4	6			1	1	2.70	<2	6.46	26
34386	1	11	1	6	4	6			1	1	2.70	<2	5.22	13
34387	1	13	1	4	4	4			1	1	3.20	<2	5.83	10
34388	1	15	1	6	4	6			2	1	2.80	<2	5.94	25
34389	1	11	1	6	4	6			2	1	2.80	<2	5.47	21
34390	1	12	1	6	4	6			1	1	2.20	<2	5.17	15
34391	1	7	1	6	4	6			1	1	2.90	<2	5.27	10
34392	1	9	1	6	4	6			1	1	3.00	<2	5.56	16
34393	1	10	1	7	4	7			1	1	2.50	<2	5.34	15
34394	1	13	1	6	4	6			1	1	2.60	<2	4.89	11
34396	1	12	1	6	4	6			1	1	2.60	<2	5.33	10
34397	1	16	1	6	4	6			1	1	2.80	<2	5.65	28
34398	1	6	1	6	4	6			1	1	3.00	<2	5.46	<10
34399	1	7	1	4	4	4			1	1	4.40	<2	5.00	<10
34400	1	11	1	4	4	4			1	1	3.30	<2	6.06	13
34401	1	11	1	4	4	4			1	1	2.30	2	6.93	20
34402	1	12	1	4	4	4			1	1	3.00	<2	5.60	<10
34403	1	7	1	4	4	4			1	1	3.50	<2	5.24	<10
34405	1	8	1	6	4	6			1	1	3.10	<2	5.55	11
34406	1	19	1	6	4	6			1	1	2.70	<2	6.30	19
34407	1	11	1	6	4	6			1	1	2.90	<2	4.77	<10
34408	1	12	1	6	4	6			1	1	2.80	<2	4.99	<10
34409	1	14	1	6	4	6			1	1	2.90	<2	5.21	11
34410	1	7	1	6	4	6			1	1	3.10	<2	5.01	10
34411	1	9	1	6	4	6			1	1	2.60	<2	5.22	13
34412	1	6	1	6	4	6			1	1	3.00	<2	4.72	11
34413	1	12	1	6	4	6			1	1	2.90	<2	5.06	11
34414	1	12	1	6	4	6			1	1	4.00	<2	4.42	<10
34415	1	18	1	6	4	6			1	1	2.60	<2	5.06	<10
34416	1	15	1	6	4	6			1	1	2.90	<2	5.23	10
34417	1	5	1	6	4	6			1	1	3.00	<2	4.97	<10
34420	1	12	1	6	4	6			1	1	3.00	<2	5.57	10
34421	1	15	1	6	4	6			1	1	2.70	<2	5.37	10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
34353	527	2	2.45	49	6	26	15	2.20	<15	1.91	26	25	0.49	307	<4
34354	554	1	0.35	39	4	21	12	1.82	<15	1.79	22	19	0.33	285	<4
34356	531	2	0.30	54	9	30	29	2.89	<15	1.90	28	30	0.73	472	<4
34357	555	2	0.55	51	6	21	29	2.13	<15	1.86	26	23	0.42	324	<4
34358	709	1	2.42	46	9	25	11	2.85	<15	1.35	21	18	0.54	581	<4
34359	597	1	1.34	39	6	21	11	2.78	<15	1.62	19	16	0.41	451	<4
34360	545	1	2.35	41	7	22	9	2.49	<15	1.34	19	16	0.45	428	<4
34361	1090	2	4.74	42	14	42	28	5.10	<15	3.19	19	50	0.71	855	<4
34362	559	1	3.48	40	5	19	15	1.82	25	1.83	19	36	0.54	320	<4
34363	559	1	2.47	27	4	14	8	1.68	<15	1.75	14	26	0.43	297	<4
34364	513	1	2.30	44	16	37	14	6.89	<15	1.44	16	22	0.45	1136	<4
34365	556	2	2.16	47	5	16	11	2.04	<15	1.74	21	20	0.39	346	<4
34367	590	2	2.34	44	3	24	19	2.67	15	1.79	19	21	0.47	631	<4
34368	515	2	1.55	45	6	23	14	2.19	<15	1.82	20	18	0.38	390	<4
34369	521	3	1.52	45	7	29	16	2.64	19	2.00	21	20	0.45	527	<4
34370	560	2	1.72	40	5	25	24	2.21	<15	2.29	18	25	0.49	550	<4
34371	603	1	3.11	43	3	31	22	3.17	<15	1.86	18	20	0.56	567	<4
34372	548	1	3.23	25	3	20	9	2.05	<15	1.78	12	18	0.45	423	<4
34379	522	1	0.78	32	5	28	14	2.58	<15	2.06	18	28	0.47	309	<4
34381	422	2	5.07	47	2	46	21	3.20	<15	2.07	23	39	1.14	453	<4
34383	477	2	4.44	48	3	35	19	2.58	<15	1.94	23	28	0.86	475	<4
34384	521	1	3.25	36	5	28	15	2.47	<15	2.06	19	23	0.62	333	<4
34385	455	2	4.93	49	5	37	19	2.81	<15	2.15	24	31	0.95	409	<4
34386	475	1	5.24	40	8	28	17	2.39	<15	1.77	20	25	0.59	325	<4
34387	535	1	0.81	36	5	24	11	2.25	<15	1.97	19	24	0.39	305	<4
34388	453	1	4.69	45	9	39	16	2.74	<15	1.89	20	31	0.76	396	<4
34389	451	1	5.55	34	7	33	17	2.31	<15	1.80	16	29	0.72	360	<4
34390	488	1	2.83	37	6	28	11	2.05	<15	1.82	17	23	0.51	267	<4
34391	416	1	3.16	31	8	37	14	3.22	<15	1.54	15	26	0.54	380	<4
34392	501	1	3.56	34	6	23	15	2.11	<15	1.84	17	25	0.57	268	<4
34393	542	1	4.00	36	7	25	16	2.31	<15	1.40	17	23	0.70	392	<4
34394	499	1	0.94	32	5	26	9	2.29	<15	1.61	16	18	0.37	291	<4
34396	502	1	3.14	29	6	28	13	2.44	<15	1.59	16	21	0.49	286	<4
34397	515	1	5.12	33	6	27	22	2.44	<15	2.00	15	32	0.81	342	<4
34398	499	1	0.72	31	7	30	12	2.80	<15	1.65	18	21	0.40	336	<4
34399	456	1	0.58	34	9	44	13	4.38	<15	1.53	17	20	0.37	527	<4
34400	448	1	0.50	32	7	35	12	3.03	<15	1.69	15	27	0.47	325	<4
34401	613	2	3.55	44	7	30	19	2.61	<15	1.98	21	32	0.71	370	<4
34402	484	1	0.50	34	6	33	12	2.76	<15	1.67	19	23	0.38	333	<4
34403	486	1	0.57	29	6	26	10	2.25	<15	1.77	16	21	0.30	300	<4
34405	482	1	0.70	31	6	30	11	2.59	<15	1.70	17	21	0.44	308	<4
34406	524	2	2.57	40	9	33	18	2.77	<15	1.69	19	26	0.75	385	<4
34407	509	1	1.01	36	7	28	11	2.70	<15	1.47	17	17	0.39	388	<4
34408	519	1	3.97	28	6	24	11	2.27	<15	1.48	15	21	0.46	288	<4
34409	511	1	1.06	36	7	29	13	2.58	<15	1.60	18	19	0.45	344	<4
34410	506	1	1.74	30	6	29	11	2.58	<15	1.60	15	18	0.44	330	<4
34411	457	1	4.16	31	6	27	15	2.35	<15	1.63	16	21	0.49	291	<4
34412	505	1	2.40	33	6	27	14	2.27	<15	1.48	14	18	0.44	308	<4
34413	514	1	1.46	37	5	28	12	2.31	<15	1.62	18	22	0.51	319	<4
34414	450	1	0.57	31	7	33	10	3.24	<15	1.35	16	17	0.32	441	<4
34415	496	1	0.61	36	7	26	13	2.35	<15	1.52	19	16	0.39	320	<4
34416	511	1	0.62	27	5	25	11	2.14	<15	1.76	16	19	0.37	283	<4
34417	503	1	0.89	34	5	28	13	2.50	<15	1.53	18	17	0.42	347	<4
34420	532	1	1.18	35	7	28	20	2.60	<15	1.61	19	21	0.46	387	<4
34421	543	1	2.25	31	7	27	17	2.35	<15	1.65	18	22	0.51	348	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PR	SC	SR	TH	TI	V	Y	ZN	ZR
34353	1.07	16	12	490	18	4	216	7	2630	55	14	51	58
34354	1.31	13	10	326	18	3	201	4	2282	44	11	43	45
34356	0.89	14	16	606	28	7	165	12	3013	63	17	78	62
34357	1.02	15	13	449	32	5	173	9	2295	47	14	58	42
34358	1.06	11	9	676	25	5	321	9	3633	86	14	53	69
34359	1.24	15	9	390	35	3	254	4	3451	72	12	53	44
34360	0.95	14	12	320	25	4	229	5	3740	71	12	50	64
34361	2.15	27	20	588	36	5	482	5	7572	146	12	107	128
34362	1.18	13	8	314	24	4	323	8	2375	48	11	43	60
34363	1.21	10	7	217	12	3	277	<2	2177	44	9	34	43
34364	0.95	25	12	501	21	5	243	<2	9913	191	16	108	91
34365	1.17	18	6	302	20	4	232	4	2809	51	12	46	56
34367	1.25	17	10	398	47	4	269	8	3605	72	12	62	67
34368	1.29	18	10	278	39	3	214	8	3115	56	10	53	69
34369	1.47	27	12	350	32	4	234	2	3140	64	14	66	73
34370	1.60	18	12	398	32	4	239	<2	2605	52	12	68	77
34371	1.45	13	12	438	35	5	308	3	4031	84	12	67	71
34372	1.24	9	8	264	17	4	269	3	2603	53	9	38	52
34379	1.08	12	13	246	31	5	165	8	2925	59	11	54	65
34381	0.66	12	26	837	12	8	199	12	2868	69	15	75	62
34383	0.87	13	20	536	29	6	188	12	2574	58	13	68	52
34384	1.07	13	13	328	21	4	220	4	2711	58	12	67	48
34385	0.75	13	22	667	17	7	179	7	2616	61	14	77	55
34386	0.89	14	13	380	24	5	227	12	2890	59	12	53	66
34387	1.13	11	12	175	16	4	172	8	2777	53	11	47	54
34388	0.76	10	24	556	16	6	206	15	2673	65	13	62	56
34389	0.96	12	19	486	20	5	223	7	2491	55	11	55	53
34390	0.94	10	15	333	23	4	186	9	2235	49	11	42	47
34391	0.62	12	19	296	16	5	161	10	3694	83	9	64	62
34392	0.86	8	10	430	20	5	342	10	2298	55	10	53	56
34393	0.69	9	15	509	23	5	195	6	2529	56	12	52	63
34394	0.92	11	10	210	17	4	181	3	2946	57	10	46	60
34396	0.80	11	14	266	15	5	193	<2	2888	59	11	45	65
34397	0.68	10	12	912	16	5	356	2	2470	62	11	158	59
34398	0.89	12	12	192	14	4	154	2	3350	68	12	54	76
34399	0.85	15	15	196	21	5	146	4	5599	112	13	76	97
34400	0.82	13	16	224	30	5	150	9	3356	72	9	62	73
34401	0.96	11	17	621	26	5	211	9	2730	56	13	75	70
34402	0.93	10	14	218	18	5	161	4	3294	67	11	54	80
34403	1.06	8	9	181	12	4	159	6	2944	56	10	45	62
34405	0.89	11	14	200	<10	5	154	5	3067	63	11	53	70
34406	0.62	11	19	610	24	6	211	7	2664	60	12	65	71
34407	0.88	10	10	238	20	4	170	5	3698	73	11	52	76
34408	0.82	11	13	301	<10	4	217	5	2823	60	10	44	64
34409	0.87	11	11	234	12	5	171	3	3243	66	11	50	71
34410	0.85	10	12	240	12	4	169	6	3254	67	11	50	65
34411	0.78	9	15	316	10	5	181	11	2652	59	11	50	63
34412	0.88	10	10	260	17	4	197	8	2821	58	9	46	69
34413	0.92	11	11	337	22	4	179	6	2855	55	12	52	67
34414	0.81	12	12	184	18	4	146	7	4489	89	11	57	83
34415	0.85	9	11	235	16	4	157	6	2763	57	11	50	62
34416	1.02	8	7	199	14	4	164	3	2664	51	11	46	64
34417	0.89	11	8	270	15	4	177	3	3161	61	11	55	63
34420	0.98	11	13	255	24	5	200	2	2972	63	12	57	68
34421	1.04	11	12	333	23	4	223	3	2914	56	11	54	62

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	ITEM	COMM	MEAS	PH	CT-F
34423	M	35	32.523	106.913	2	15	06/06/77	21	25.0					
34425	M	35	32.518	106.954	2	15	06/07/77	9	29.0					
34426	M	35	32.522	106.969	2	15	06/07/77	9	32.0					
34427	M	35	32.504	106.958	2	15	06/07/77	10	33.0					
34428	M	35	32.511	106.958	2	15	07/06/77	11	33.0					
34429	M	35	32.513	106.974	2	15	06/07/77	11	32.0					
34430	M	35	32.516	106.980	2	15	06/07/77	11	33.0					
34431	M	35	32.525	106.986	2	15	06/07/77	11	33.0					
34432	M	35	32.533	106.991	2	15	06/07/77	11	33.0					
34433	M	35	32.500	106.902	2	15	06/07/77	12	31.0		C			
34434	M	35	32.519	106.890	2	15	06/07/77	13	30.0					
34435	M	35	32.514	106.883	2	15	06/07/77	13	28.0		C			
34436	M	35	32.503	106.876	2	15	06/07/77	13						
34437	M	35	32.529	106.882	2	15	06/07/77	13	28.0					
34438	M	35	32.546	106.886	2	15	06/07/77	13	28.0					
34439	M	35	32.545	106.853	2	15	06/07/77	14	28.0					
34440	M	35	32.543	106.824	2	15	06/07/77	14	28.0					
34442	M	35	32.518	106.832	2	15	06/07/77	15	34.0					
34443	M	35	32.517	106.796	2	15	06/07/77	15	34.0					
34444	M	35	32.508	106.794	2	15	06/07/77	15	33.0					
34445	M	35	32.532	106.790	2	96	06/07/77	15	33.0					
34446	M	35	32.523	106.766	2	15	06/07/77	15	34.0					
34447	M	35	32.545	106.757	2	15	06/07/77	16	34.0					
34448	M	35	32.590	106.777	2	15	06/07/77	16	35.0					
34450	M	35	32.537	106.829	2	15	06/07/77	17	34.0					
34451	M	35	32.547	106.956	2	15	06/07/77	17	34.0					
34452	M	35	32.546	106.967	2	15	05/07/77	17	34.0					
34453	M	35	32.558	106.992	2	15	06/07/77	17	34.0					
34454	M	35	32.565	106.960	2	15	06/07/77	17	35.0					
34455	M	35	32.577	106.990	2	15	06/07/77	17	33.0					
34456	M	35	32.592	106.988	2	15	06/07/77	18	32.0					
34457	M	35	32.604	106.947	2	15	06/07/77	18	32.0					
34458	M	35	32.615	106.955	2	15	06/07/77	18	32.0					
34459	M	35	32.627	106.968	2	15	06/07/77	19	31.0					
34460	M	35	32.657	106.994	2	15	06/07/77	19	30.0					
34461	M	35	32.651	106.924	2	15	06/07/77	19	27.0					
34463	M	35	32.672	106.948	2	15	06/07/77	20	27.0					
34464	M	35	32.692	106.942	2	15	06/07/77	20	27.0					
34465	M	35	32.690	106.979	2	15	06/07/77	20	26.0					
34466	M	35	32.708	106.988	2	15	06/07/77	21	25.0					
34467	M	35	32.717	106.972	2	15	06/07/77	21	26.0					
34469	M	35	32.726	106.940	2	15	06/07/77	21	27.0					
34469	M	35	32.747	106.956	2	15	06/07/77	21	29.0					
34470	M	35	32.736	106.990	2	15	06/07/77	21	27.0					
34471	M	35	32.669	106.975	2	15	06/07/77	21	28.0					
34472	M	35	32.631	107.015	2	15	06/08/77	10	30.0					
34473	M	35	32.643	107.024	2	15	06/08/77	10	31.0		C			
34474	M	35	32.653	107.035	2	15	06/08/77	11	32.0					
34475	M	35	32.659	107.054	2	15	06/08/77	12	33.0					
34477	M	35	32.629	107.049	2	15	06/08/77	12	33.0		C			
34478	M	35	32.644	107.069	2	15	06/08/77	13	34.0					
34479	M	35	32.648	107.096	2	15	06/08/77	13	33.0		C			
34480	M	35	32.649	107.103	2	15	06/08/77	13	33.0		C			
34481	M	35	32.671	107.121	2	15	06/08/77	13	34.0		C			
34482	M	35	32.678	107.131	2	15	06/08/77	14	33.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
34423	1	12	1	6	4	6			1	1	4.30	<2	4.58	<10
34425	1	15	1	7	4	7			1	1	2.50	<2	5.86	<10
34426	1	13	1	7	4	7			2	1	1.10	<2	4.56	<10
34427	1	11	1	6	4	6			2	1	2.60	<2	5.18	<10
34428	1	9	1	6	4	6			2	1	4.60	<2	3.39	24
34429	1	20	1	6	4	6			2	1	2.10	<2	7.58	10
34430	1	13	1	6	4	6			2	1	2.50	<2	5.70	15
34431	1	25	1	7	4	7			2	1	1.70	<2	5.87	<10
34432	1	11	1	7	4	7			2	1	2.10	<2	6.62	<10
34433	1	17	1	6	4	6			2	1	3.30	<2	5.28	<10
34434	1	13	1	7	4	7			2	1	3.50	<2	3.96	<10
34435	1	13	1	6	4	6			2	1	4.30	<2	4.12	<10
34436	1	15	1	6	4	6			2	1	3.90	<2	4.29	<10
34437	1	13	1	6	4	6			2	1	4.80	<2	4.02	<10
34438	1	15	1	6	4	6			2	1	2.50	<2	5.06	<10
34439	1	15	1	6	4	6			1	1	2.80	<2	4.86	<10
34440	1	10	1	6	4	6			1	1	2.70	<2	4.82	<10
34442	5	19	1	6	4	6			1	1	2.70	<2	5.19	<10
34443	1	19	1	6	4	6			1	1	5.10	<2	5.15	<10
34444	1	30	1	6	4	6			2	1	3.40	<2	6.69	<10
34445	1	15	1	6	4	6			1	1	2.50	<2	6.26	10
34446	1	15	1	6	4	6			1	1	2.40	<2	6.13	10
34447	1	11	1	6	4	6			1	1	4.50	<2	5.39	10
34448	1	21	1	6	4	6			1	1	2.80	<2	5.39	11
34450	1	7	1	6	4	6			1	1	2.70	2	5.62	13
34451	1	7	1	6	4	6			2	1	3.40	<2	6.08	<10
34452	1	13	1	6	4	6			2	4	2.50	<2	5.84	<10
34453	1	14	1	6	4	6			2	2	3.20	<2	6.05	<10
34454	1	16	1	6	4	6			2	2	4.50	<2	5.45	<10
34455	1	16	1	6	4	6			2	2	3.90	<2	5.88	<10
34456	1	16	1	6	4	6			2	2	3.60	<2	5.90	<10
34457	1	14	1	6	4	6			2	2	2.00	<2	5.24	<10
34458	1	12	1	6	4	6			2	2	3.00	<2	5.34	10
34459	1	13	1	6	4	6			2	2	3.20	<2	4.34	10
34460	1	11	1	6	4	6			2	2	4.20	<2	4.41	10
34461	1	8	1	6	4	6			2	2	2.50	<2	5.01	11
34463	1	11	1	6	4	6			1	2	3.50	<2	5.00	<10
34464	1	8	1	6	4	6			1	2	2.30	<2	4.45	<10
34465	1	9	1	6	4	6			1	2	3.20	<2	4.95	10
34466	1	6	1	6	4	6			1	2	2.80	<2	4.93	<10
34467	1	13	1	6	4	6			1	2	2.50	<2	5.92	11
34468	1	11	1	6	4	6			1	2	3.30	<2	5.11	10
34469	1	8	1	6	4	6			1	2	2.60	<2	4.28	<10
34470	1	12	1	6	4	6			1	2	2.70	<2	5.16	15
34471	1	7	1	6	4	6			1	2	2.70	<2	4.93	11
34472	1	12	1	6	4	6			2	1	4.80	<2	5.44	13
34473	1	12	1	6	4	6			2	1	3.50	<2	4.42	<10
34474	1	10	1	6	4	6			2	1	3.10	<2	5.47	11
34475	1	12	1	6	4	6			2	1	4.30	<2	5.45	10
34477	1	11	1	6	3	6			2	2	3.20	<2	7.44	39
34478	1	9	1	6	3	6			2	2	2.70	<2	7.11	18
34479	1	13	1	6	3	6			2	2	2.40	<2	7.03	18
34480	1	14	1	6	3	6			2	2	2.80	<2	7.53	50
34481	1	10	1	6	3	7			2	2	2.30	<2	7.39	12
34482	1	8	1	6	4	6			2	2	3.30	<2	5.80	18

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRLCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
34423	481	1	1.24	32	10	39	11	4.27	<15	1.29	18	14	0.43	575	<4
34425	637	1	1.30	49	23	73	25	5.47	<15	1.14	15	14	0.82	1022	<4
34426	530	1	2.99	41	22	80	34	3.44	<15	1.04	17	13	1.17	583	<4
34427	585	1	4.43	40	12	63	12	3.60	<15	1.20	19	14	0.66	565	<4
34428	330	1	4.01	33	8	29	19	1.92	<15	1.13	14	39	1.14	360	<4
34429	798	2	6.40	42	19	82	24	5.26	<15	1.50	20	24	0.93	822	<4
34430	530	2	4.12	37	10	40	21	2.82	<15	1.62	19	25	0.74	584	<4
34431	583	1	2.82	31	15	55	30	3.41	<15	1.13	14	22	0.80	477	<4
34432	660	1	3.04	42	15	62	18	4.20	<15	1.69	19	20	0.67	755	<4
34433	557	1	1.21	31	7	24	9	2.40	<15	1.58	16	15	0.50	384	<4
34434	510	1	2.77	33	13	32	9	4.78	<15	1.07	15	20	0.67	804	<4
34435	531	1	2.88	35	13	34	10	5.06	<15	1.11	14	18	0.64	885	<4
34436	521	1	2.41	32	11	30	8	4.44	<15	1.22	15	17	0.58	768	<4
34437	417	1	1.99	33	15	43	9	6.53	<15	1.10	16	13	0.46	936	<4
34438	478	1	1.49	33	6	24	11	2.40	<15	1.58	17	19	0.39	345	<4
34439	472	1	0.98	32	5	25	11	2.15	<15	1.40	18	15	0.40	316	<4
34440	447	1	0.55	19	5	22	9	2.32	<15	1.58	11	17	0.27	303	<4
34442	433	1	0.89	42	7	21	9	3.00	<15	1.36	22	15	0.38	535	<4
34443	403	1	1.17	60	9	29	15	4.85	<15	1.31	27	16	0.55	1090	<4
34444	520	2	1.38	43	7	18	15	2.51	<15	1.72	21	18	0.66	659	<4
34445	492	2	1.90	34	7	21	14	2.17	<15	1.70	18	22	0.65	416	<4
34446	518	2	2.80	41	7	27	14	2.65	<15	2.14	19	27	0.51	400	<4
34447	508	1	1.78	35	7	23	14	2.46	<15	2.12	15	25	0.37	334	<4
34448	522	1	2.37	36	6	24	13	2.45	<15	1.94	19	23	0.42	351	<4
34450	532	1	3.44	45	7	27	14	2.55	<15	1.86	22	25	0.54	414	<4
34451	623	1	1.35	42	13	39	15	4.65	<15	1.72	19	21	0.53	767	<4
34452	598	1	1.49	35	12	33	16	4.03	<15	1.79	15	19	0.50	717	<4
34453	598	1	1.23	36	14	39	16	4.96	<15	1.79	14	21	0.49	803	<4
34454	571	1	1.87	43	17	48	13	6.27	<15	1.46	19	17	0.55	903	<4
34455	620	1	2.06	44	14	42	16	5.13	<15	1.69	21	15	0.59	786	<4
34456	610	1	1.32	35	14	41	11	5.13	<15	1.56	17	18	0.54	753	<4
34457	587	1	2.09	31	5	20	13	1.73	<15	1.78	18	20	0.40	239	<4
34458	541	1	0.97	26	7	27	16	2.83	<15	1.70	13	20	0.52	394	<4
34459	521	1	2.22	34	8	24	16	2.54	<15	1.45	15	15	0.41	356	<4
34460	535	1	2.37	39	10	35	13	3.92	<15	1.44	19	16	0.45	506	<4
34461	500	1	0.73	36	8	33	13	3.01	<15	1.57	17	18	0.42	414	<4
34463	501	1	1.20	33	7	32	12	3.16	<15	1.57	18	18	0.44	398	<4
34464	509	1	3.10	35	7	24	12	2.24	<15	1.59	16	16	0.35	302	<4
34465	499	1	0.34	33	7	30	11	2.09	<15	1.64	18	18	0.35	395	<4
34466	488	1	0.86	25	8	30	13	2.83	<15	1.65	12	15	0.35	393	<4
34467	519	1	0.76	34	8	34	14	3.01	<15	1.77	18	24	0.45	394	<4
34468	496	1	1.06	35	8	31	13	2.86	<15	1.63	16	20	0.38	380	<4
34469	524	1	1.70	55	7	26	15	2.63	<15	1.31	24	18	0.39	360	<4
34470	626	1	4.00	41	5	26	13	2.23	<15	1.49	20	23	0.51	290	<4
34471	599	1	1.83	45	7	31	14	2.83	<15	1.55	21	15	0.43	393	<4
34472	800	1	3.07	55	9	28	23	2.80	<15	1.51	25	20	0.66	632	<4
34473	602	1	1.40	74	9	29	24	3.04	<15	1.37	35	14	0.42	529	<4
34474	847	1	2.01	69	10	29	30	2.67	<15	1.49	31	15	0.57	602	<4
34475	1097	1	2.38	67	15	37	33	4.40	<15	1.34	29	22	0.70	1126	<4
34477	575	2	4.78	74	13	46	35	3.45	<15	1.62	33	77	1.44	676	<4
34478	734	2	4.73	62	12	57	24	3.35	<15	1.48	28	44	1.05	599	<4
34479	841	1	4.76	58	15	62	24	3.59	<15	1.43	27	31	1.01	608	<4
34480	707	2	4.64	53	10	39	25	2.93	<15	2.02	24	71	1.07	523	<4
34481	968	2	4.84	48	9	39	19	2.63	<15	1.78	24	31	0.80	546	<4
34482	702	2	4.58	53	8	33	22	2.68	<15	1.52	24	31	0.98	507	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
34423	0.87	14	14	219	22	5	189	5	5737	117	12	73	107
34425	1.31	11	29	1032	25	6	552	6	6484	172	9	106	93
34426	0.90	10	45	1185	20	5	527	6	4716	128	4	80	93
34427	1.10	14	18	701	17	4	453	5	4198	105	11	69	71
34428	4.34	11	15	791	14	4	538	8	2370	53	6	51	70
34429	1.77	16	37	674	36	6	627	6	5705	152	10	94	78
34430	1.08	17	28	842	19	5	426	2	3567	71	10	71	82
34431	1.36	11	36	917	45	5	538	<2	4207	91	6	77	97
34432	1.72	13	29	951	22	4	542	<2	5387	123	10	90	86
34433	1.09	10	10	325	16	5	236	8	2846	60	11	46	66
34434	0.81	15	12	323	17	5	264	2	6126	136	11	75	73
34435	0.80	14	12	392	11	6	242	2	6155	140	12	84	91
34436	0.90	12	12	373	14	5	249	4	5350	123	11	75	75
34437	0.73	20	13	194	17	6	182	6	8195	189	13	102	91
34438	0.92	10	10	253	19	4	180	5	2827	55	11	50	58
34439	0.87	10	9	274	22	4	186	2	2681	51	11	50	57
34440	0.93	8	6	170	<10	3	152	<2	3085	57	9	45	59
34442	0.98	19	8	400	15	5	176	10	4395	70	16	53	53
34443	0.96	40	11	561	16	7	167	3	8837	114	25	75	69
34444	1.62	19	7	916	22	6	250	3	4401	54	18	70	49
34445	1.19	10	11	708	17	5	219	5	2786	44	14	60	54
34446	1.25	17	12	415	17	5	218	6	3385	63	12	53	63
34447	1.22	13	13	320	10	4	220	2	3159	63	10	57	60
34448	1.09	14	13	365	16	4	216	7	3298	61	11	84	59
34450	0.96	14	17	382	14	5	256	5	3025	62	13	54	61
34451	1.27	24	15	337	24	6	286	6	5681	136	13	82	91
34452	1.36	12	11	435	21	5	314	7	4800	116	11	77	86
34453	1.32	14	15	348	22	6	276	4	6146	148	11	89	94
34454	1.13	17	16	320	29	6	281	4	7711	193	13	106	109
34455	1.24	16	17	426	27	6	329	7	6164	153	13	53	93
34456	1.24	16	17	251	17	6	292	<2	6239	149	13	87	83
34457	0.99	7	10	269	17	4	195	5	1862	43	11	37	54
34458	0.97	11	15	209	23	5	177	5	3355	68	10	54	84
34459	0.90	10	9	267	39	4	203	9	3123	68	9	83	66
34460	0.90	14	13	282	21	5	203	10	4582	103	12	88	95
34461	0.86	13	14	260	23	5	161	10	3762	78	10	58	82
34463	0.88	10	13	227	<10	5	167	3	3865	80	12	55	82
34464	0.94	11	9	245	19	4	193	8	2847	58	10	43	61
34465	0.96	11	13	218	20	4	165	7	3682	76	12	53	75
34466	0.95	12	11	242	12	4	163	<2	3614	75	10	53	81
34467	0.92	13	14	236	14	6	163	4	3409	71	13	58	77
34468	0.93	10	12	211	30	5	168	6	3444	72	11	52	81
34469	0.85	12	9	176	14	4	174	4	3445	69	11	45	61
34470	0.86	8	15	295	<10	4	247	3	2709	57	10	47	60
34471	0.95	10	11	231	20	4	197	2	3777	79	10	58	68
34472	1.08	9	12	602	31	5	428	6	3357	81	13	70	73
34473	1.04	9	11	405	29	4	210	7	4194	93	14	82	72
34474	1.13	11	16	566	54	5	295	10	3556	75	13	72	75
34475	1.06	15	13	653	38	6	374	6	5495	136	16	99	82
34477	0.75	12	27	803	18	8	445	7	3439	90	17	86	94
34478	1.21	13	25	685	20	7	542	2	4173	99	14	70	90
34479	1.31	10	33	881	25	7	594	4	4855	103	14	72	94
34480	1.13	9	20	666	37	6	929	10	3556	84	14	68	91
34481	1.65	10	22	673	18	5	635	3	3786	78	14	55	88
34482	1.55	11	20	713	31	5	443	5	3682	78	13	60	85

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	COMM	MEAS	PH	CT-F
34483	M	35	32.692	107.157	2	15	06/08/77	14	33.0		C			
34484	M	35	32.593	107.151	2	15	06/08/77	15	33.0					
34485	M	35	32.589	107.173	2	15	06/08/77	15	33.0					
34486	M	35	32.691	107.182	2	15	06/08/77	15	33.0					
34487	M	35	32.721	107.202	2	15	06/08/77	15	33.0					
34488	M	35	32.721	107.210	2	15	06/08/77	16	31.0					
34489	M	35	32.733	107.218	2	15	06/08/77	16	33.0					
34490	M	35	32.744	107.234	2	15	06/08/77	16	32.0					
34491	M	35	32.710	107.164	2	15	06/08/77	16	30.0					
34492	M	35	32.723	107.171	2	15	06/08/77	16	33.0					
34493	M	35	32.756	107.151	2	15	06/08/77	16	33.0					
34494	M	35	32.737	107.131	2	15	06/08/77	16	33.0					
34495	M	35	32.753	107.129	2	15	06/08/77	16	33.0					
34496	M	35	32.672	107.106	2	15	06/08/77	18	34.0					
34497	M	35	32.672	107.081	2	15	06/08/77	17	30.0					
34498	M	35	32.677	107.069	2	15	06/08/77	17	30.0					
34499	M	35	32.690	107.051	2	15	06/08/77	18	33.0					
34500	M	35	32.694	107.037	2	15	06/08/77	18	33.0					
34501	M	35	32.689	107.007	2	15	06/08/77	18	33.0					
34503	M	35	32.706	107.021	2	15	06/08/77	18	30.0					
34504	M	35	32.736	107.003	2	15	06/08/77	18	30.0					
34505	M	35	32.745	107.026	2	15	06/08/77	18	30.0					
34506	M	35	32.734	107.034	2	15	06/08/77	18	29.0					
34507	M	35	32.752	107.006	2	15	06/08/77	20	26.0					
34509	M	35	32.762	107.031	2	15	06/08/77	20	26.0					
34510	M	35	32.768	107.062	2	15	06/08/77	20	32.0					
34511	M	35	32.770	107.099	2	15	06/08/77	20	33.0					
34512	M	35	32.753	107.094	2	15	06/08/77	21	25.0					
34513	M	35	32.798	107.075	2	15	06/08/77	21	32.0					
34514	M	35	32.811	107.067	2	15	06/08/77	21	30.0					
34515	M	35	32.823	107.058	2	15	06/08/77	21	27.0					
34516	M	35	32.830	107.044	2	15	06/08/77	22	26.0					
34517	H	35	32.807	107.042	2	96	06/07/77	22	25.0					
34518	M	35	32.804	107.024	2	15	06/08/77	22	26.0					
34519	M	35	32.790	107.023	2	15	06/08/77	21	25.0					
34520	M	35	32.775	107.019	2	15	06/08/77	21	26.0		C			
34521	M	35	32.766	107.012	2	15	06/08/77	21	25.0					
34522	M	35	32.754	106.996	2	15	06/09/77	10	30.0					
34523	M	35	32.751	106.977	2	15	06/09/77	10	30.0					
34524	M	35	32.751	106.934	2	15	06/08/77	10	31.0					
34525	M	35	32.760	106.899	2	15	06/09/77	10	31.0					
34527	M	35	32.769	106.852	2	15	06/09/77	10	31.0					
34528	M	35	32.768	106.835	2	15	06/09/77	11	31.0					
34529	M	35	32.777	106.818	2	15	06/09/77	11	32.0					
34530	M	35	32.793	106.801	2	15	07/09/77	11	32.0					
34532	M	35	32.793	106.764	2	15	06/09/77	11	32.0					
34533	M	35	32.808	106.786	2	15	06/09/77	11	34.0					
34534	M	35	32.823	106.787	2	15	06/09/77	12	35.0					
34535	M	35	32.833	106.782	2	15	06/09/77	12	35.0					
34536	M	35	32.847	106.767	2	15	06/09/77	12	36.0					
34537	M	35	32.862	106.754	2	15	06/09/77	12	35.0					
34538	M	35	32.779	106.882	2	15	06/09/77	12	36.0					
34539	M	35	32.805	106.894	2	15	06/09/77	12	36.0					
34540	M	35	32.825	106.902	2	15	06/09/77	12	36.0					
34541	M	35	32.830	106.902	2	15	06/09/77	12	36.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
34483	1	9	1	4	4	6			2	2	2.70	<2	4.73	17
34484	1	11	1	4	4	4			2	2	2.90	<2	6.62	20
34485	1	13	1	6	3	7			2	2	2.80	<2	6.43	11
34486	1	8	1	6	3	7			2	2	2.50	<2	5.87	17
34487	1	9	1	6	3	7			2	2	1.20	<2	5.01	<10
34488	1	9	1	6	3	7			2	3	2.40	<2	4.28	<10
34489	1	13	1	6	3	7			2	2	2.60	<2	4.50	<10
34490	1	12	1	6	3	7			3	3	11.60	<2	5.20	<10
34491	1	3	1	4	3	4			3	3	2.70	<2	5.13	<10
34492	1	13	1	7	4	7			3	1	3.40	<2	4.90	<10
34493	1	7	1	4	4	4			3	2	2.70	2	4.49	<10
34494	1	15	1	7	3	7			3	2	1.80	<2	7.35	<10
34495	1	15	1	7	3	7			2	2	2.10	<2	7.52	<10
34496	1	13	1	6	4	6			2	2	4.30	<2	4.92	<10
34497	1	19	1	6	4	6			2	4	3.50	<2	6.34	30
34498	1	15	1	6	4	6			2	2	3.30	<2	6.30	23
34499	1	23	1	6	4	6			2	2	2.50	<2	6.25	15
34500	1	16	1	6	4	6			2	2	2.70	<2	4.62	16
34501	1	11	1	6	4	6			1	2	2.80	<2	4.87	11
34503	1	14	1	6	4	6			3	2	2.50	<2	5.35	15
34504	1	8	1	6	4	6			2	2	3.10	<2	4.80	12
34505	1	11	1	6	4	6			2	2	3.00	<2	4.57	14
34506	1	16	1	6	3	6			2	2	3.00	<2	4.28	12
34507	1	21	1	6	4	6			1	2	2.70	<2	5.25	12
34509	1	5	1	4	4	4			2	2	2.50	<2	5.56	<10
34510	1	5	1	6	4	6			1	2	2.70	<2	4.52	12
34511	1	11	1	6	4	6			1	2	3.00	<2	4.49	17
34512	1	10	1	6	4	6			3	2	3.20	<2	4.49	<10
34513	1	9	1	6	4	6			1	4	2.00	<2	4.59	<10
34514	1	14	1	6	4	6			1	2	2.40	<2	4.09	<10
34515	1	17	1	6	4	6			1	2	2.30	<2	5.66	<10
34516	1	13	1	6	4	6			1	2	2.50	<2	5.90	15
34517	1	8	1	6	4	6			1	2	2.30	<2	5.57	<10
34518	1	9	1	6	4	6			1	2	2.30	<2	5.46	<10
34519	1	8	1	6	4	6			1	2	2.30	2	4.30	<10
34520	1	13	1	6	4	6			1	2	1.50	<2	4.72	10
34521	1	15	1	6	4	6			1	2	2.00	<2	5.46	13
34522	1	9	1	6	4	6			1	1	2.50	<2	5.03	13
34523	1	8	1	6	4	6			1	1	3.00	<2	4.90	12
34524	1	8	1	6	4	6			1	1	2.40	<2	5.56	15
34525	1		1	4	4	4			1	1	3.70	<2	7.32	49
34527	1	9	1	6	4	6			1	1	2.40	<2	5.46	20
34528	1	5	1	6	4	6			1	1	3.00	<2	4.66	16
34529	1	7	1	6	4	6			1	1	2.30	<2	5.43	18
34530	1	7	1	6	4	6			1	1	2.70	<2	5.39	18
34532	1	14	1	4	4	4			1	1	2.20	<2	5.31	19
34533	1	14	1	6	4	6			1	1	2.10	<2	5.42	23
34534	1	6	1	6	4	6			1	1	2.20	<2	5.17	17
34535	1	6	1	6	4	6			1	1	2.20	<2	5.42	21
34536	1	3	1	6	4	6			1	1	2.20	<2	5.26	19
34537	1	13	1	6	4	6			1	1	2.00	<2	4.64	13
34538	1	15	1	6	4	6			1	1	2.40	<2	6.40	22
34539	1	8	1	6	4	6			1	1	2.30	<2	5.43	24
34540	1	14	1	6	4	6			1	1	2.10	<2	5.22	17
34541	1	12	1	6	4	6			1	1	2.30	<2	5.65	30

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
34483	676	1	2.59	48	5	25	16	1.86	<15	1.60	20	23	0.60	404	<4
34484	554	2	5.78	61	12	52	27	3.74	<15	1.37	28	35	1.07	677	<4
34485	1127	1	4.89	43	11	61	19	3.64	<15	1.33	22	21	1.00	627	<4
34486	853	1	5.00	46	8	37	20	2.67	<15	1.50	21	25	0.94	477	<4
34487	732	1	3.11	29	5	15	8	1.20	<15	1.39	13	9	0.31	306	<4
34488	659	1	3.28	41	5	28	15	1.98	<15	1.35	18	15	0.47	293	<4
34489	1012	1	10.44	37	6	27	28	1.91	<15	1.10	16	33	1.47	363	<4
34490	1288	2	6.48	62	12	39	19	4.55	<15	1.10	27	23	0.91	606	4
34491	866	1	5.95	47	9	50	23	2.94	24	1.20	20	20	1.12	502	<4
34492	1054	1	7.46	53	9	37	40	3.04	<15	1.32	22	25	1.04	1428	<4
34493	765	1	8.75	46	7	31	25	2.31	<15	1.22	22	17	0.99	383	<4
34494	2058	1	3.95	50	13	64	659	4.06	<15	1.36	23	20	1.39	582	<4
34495	2357	1	3.78	53	13	61	26	4.01	<15	1.35	22	20	1.37	602	<4
34496	722	2	2.57	82	23	88	27	10.76	<15	1.27	34	21	0.54	1380	<4
34497	989	2	4.18	77	13	54	34	5.30	<15	1.94	35	64	0.95	807	<4
34498	2533	2	3.58	52	14	56	32	5.03	<15	2.06	24	45	0.73	1082	<4
34499	1447	3	3.27	29	6	23	112	1.96	<15	1.89	19	64	0.96	520	<4
34500	1094	2	3.44	55	7	30	17	2.83	<15	1.56	27	35	0.54	459	<4
34501	677	1	2.68	51	6	28	26	2.36	<15	1.51	25	17	0.48	359	<4
34503	771	1	3.07	41	5	21	22	1.99	<15	2.04	20	58	0.68	426	<4
34504	683	1	3.10	51	6	28	18	2.58	<15	1.58	26	20	0.47	378	<4
34505	628	1	2.60	46	5	29	19	2.34	<15	1.50	24	20	0.47	360	<4
34506	623	1	3.37	48	5	29	15	2.58	<15	1.43	25	17	0.42	373	<4
34507	792	1	3.33	50	10	35	24	4.25	15	1.56	22	38	0.64	643	<4
34509	665	2	6.76	47	6	38	21	2.34	<15	1.57	21	29	0.90	417	<4
34510	645	1	6.23	41	6	35	18	2.14	<15	1.36	19	20	0.91	362	<4
34511	653	1	6.07	46	6	37	23	2.36	<15	1.31	22	18	0.95	373	<4
34512	692	1	5.55	42	6	42	16	2.75	<15	1.41	20	20	0.92	398	<4
34513	584	1	6.85	37	5	28	17	1.65	17	1.41	17	20	0.55	294	<4
34514	602	1	6.87	47	6	34	18	2.29	<15	1.24	21	18	0.54	338	<4
34515	591	2	5.57	49	8	36	28	2.35	<15	1.52	23	26	0.83	516	<4
34516	524	2	10.12	49	9	46	25	2.60	<15	1.18	23	34	1.13	413	<4
34517	557	2	8.57	50	9	39	21	2.23	<15	1.28	23	31	0.95	399	<4
34518	708	2	3.64	64	15	108	27	4.27	<15	1.47	28	26	1.03	546	<4
34519	713	1	3.19	66	15	124	24	5.04	<15	1.27	28	23	0.68	509	<4
34520	1103	1	5.69	41	7	35	16	2.04	<15	1.32	19	24	0.59	280	<4
34521	688	1	5.17	41	8	41	21	2.61	<15	1.41	22	26	0.81	405	<4
34522	640	1	1.32	51	6	36	17	2.63	<15	1.67	24	20	0.45	386	<4
34523	633	1	1.17	46	5	30	19	2.48	<15	1.70	25	20	0.43	354	<4
34524	652	1	1.06	47	6	28	23	2.15	<15	1.83	22	23	0.50	339	<4
34525	742	2	5.29	55	9	37	24	3.14	<15	1.58	25	36	1.08	459	<4
34527	623	1	3.50	38	6	26	16	2.25	<15	1.70	18	23	0.62	334	<4
34528	547	1	2.64	59	7	32	12	2.92	<15	1.59	25	22	0.44	403	<4
34529	545	1	1.63	44	6	28	17	2.43	<15	1.83	18	25	0.49	337	<4
34530	535	1	1.60	56	7	32	15	2.65	<15	1.76	24	25	0.49	347	<4
34532	539	1	1.51	54	6	28	17	2.12	<15	1.72	22	24	0.50	278	<4
34533	569	1	3.08	48	6	26	18	1.95	<15	1.73	20	25	0.65	284	<4
34534	573	1	1.88	40	5	25	16	2.04	34	1.71	18	22	0.52	316	<4
34535	571	1	2.09	45	6	32	15	2.64	29	1.75	19	24	0.58	364	<4
34536	562	1	1.92	44	6	27	15	2.27	<15	1.77	19	23	0.53	333	<4
34537	559	1	1.53	38	5	25	13	1.93	<15	1.57	17	15	0.43	293	<4
34538	928	1	4.30	58	7	30	23	2.52	<15	1.63	24	44	0.99	402	<4
34539	523	1	4.85	55	7	31	22	2.26	<15	1.51	23	25	0.74	326	<4
34540	578	1	3.77	45	6	27	19	1.97	<15	1.58	20	23	0.59	347	<4
34541	529	1	5.04	55	9	37	22	2.54	<15	1.41	24	26	0.90	496	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
34483	1.10	9	12	579	22	4	294	8	2890	56	11	44	72
34484	1.24	12	26	678	28	7	536	8	4977	118	16	80	95
34485	1.34	10	23	596	20	6	507	5	5071	121	13	67	86
34486	1.31	9	17	532	12	5	449	4	3847	84	11	54	79
34487	1.37	5	10	373	12	3	354	6	1630	35	6	21	49
34488	0.96	10	13	279	24	3	255	7	2960	62	10	39	63
34489	0.71	7	17	453	33	5	543	2	2405	63	11	51	69
34490	1.03	12	16	518	46	6	506	9	5226	164	15	63	87
34491	1.11	9	32	441	33	5	422	11	4334	96	11	59	76
34492	0.98	11	19	523	25	5	380	3	4095	97	12	68	80
34493	0.78	14	18	435	26	4	303	5	3140	68	12	53	64
34494	1.40	8	27	754	40	6	673	4	5131	135	9	79	73
34495	1.39	7	21	775	20	6	661	5	4994	131	8	76	75
34496	1.21	18	29	415	24	6	349	<2	12445	362	20	184	108
34497	0.98	12	23	571	19	6	863	3	6104	167	15	105	84
34498	1.02	12	23	497	29	5	373	8	6345	169	15	107	88
34499	0.76	6	19	492	20	4	298	4	2361	50	10	103	57
34500	0.98	11	12	348	24	4	275	6	4446	89	12	62	86
34501	0.99	10	17	416	33	4	226	9	3385	70	11	66	82
34503	1.18	7	15	781	34	4	310	6	2833	58	10	50	66
34504	1.00	9	16	307	24	4	225	7	3805	75	11	53	76
34505	0.93	10	15	329	22	3	201	3	3489	68	11	51	78
34506	0.93	9	11	294	11	3	206	<2	3918	77	11	45	80
34507	1.01	11	19	484	18	5	325	3	5627	137	13	80	73
34509	0.67	7	22	583	18	5	263	5	2666	64	13	65	63
34510	0.78	8	15	366	18	4	227	5	2799	63	11	45	68
34511	0.79	9	17	359	27	4	238	6	3227	70	11	54	68
34512	0.85	8	16	339	12	4	242	<2	3799	83	11	57	73
34513	0.78	9	12	414	11	3	229	2	2065	45	10	44	49
34514	0.77	9	18	283	25	4	231	9	3141	68	11	45	60
34515	0.79	10	20	604	23	5	211	5	2757	59	13	60	71
34516	0.49	11	28	612	22	6	296	6	2604	69	13	64	65
34517	0.61	10	25	526	21	5	284	11	2360	61	12	54	57
34518	1.05	11	47	525	21	7	456	5	7409	175	12	65	94
34519	0.86	14	43	426	25	5	402	6	7603	203	11	78	93
34520	0.88	8	18	384	26	4	383	3	2857	62	10	42	61
34521	0.80	8	22	669	22	5	342	5	3338	75	12	55	73
34522	1.04	10	12	292	38	4	200	8	3930	76	12	54	81
34523	1.06	8	9	296	11	3	197	<2	3687	70	12	52	72
34524	1.07	8	16	369	35	4	199	5	2364	56	11	55	66
34525	0.49	11	29	632	36	7	411	5	3246	92	14	74	82
34527	0.83	9	12	372	14	4	246	<2	3066	67	11	45	58
34528	0.89	12	11	239	18	4	189	5	4061	90	11	60	64
34529	1.03	10	12	287	14	4	179	<2	2991	67	10	60	48
34530	0.95	10	13	271	12	5	172	10	3442	76	12	60	63
34532	0.96	10	13	367	28	4	179	7	2445	57	10	57	51
34533	0.95	8	16	466	19	4	219	6	2111	53	10	51	46
34534	0.96	7	10	328	11	4	183	7	2459	57	9	50	45
34535	0.97	9	12	349	10	4	189	<2	3228	72	11	58	55
34536	1.00	9	11	344	<10	4	181	<2	2834	64	10	55	51
34537	0.93	8	13	283	13	4	174	4	2645	55	9	44	43
34538	0.62	10	14	611	25	6	417	7	2626	76	13	67	69
34539	0.74	10	12	488	24	5	212	14	2403	59	12	60	53
34540	0.98	8	14	560	24	4	233	3	2274	53	10	52	52
34541	0.69	11	20	806	24	6	205	5	2545	62	13	70	58

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAD	NTYP	DATE	HOUR	ATEM	WTEN	COMM	MEAS	PH	CT-F
34542	M	35	32.856	106.900	2	15	06/09/77	13	36.0					
34543	M	35	32.876	106.886	2	15	06/09/77	13						
34544	M	35	32.875	106.870	2	15	06/09/77	13	38.0					
34545	M	35	32.873	106.851	2	15	06/09/77	13	37.0					
34546	M	35	32.867	106.833	2	15	06/09/77	13	37.0					
34547	M	35	32.864	106.829	2	15	06/09/77	14	37.0					
34548	M	35	32.865	106.818	2	15	06/09/77	14	37.0					
34549	M	35	32.866	106.797	2	15	06/09/77	14	39.0					
34550	M	35	32.891	106.818	2	15	06/09/77	14	37.0					
34551	M	35	32.899	106.866	2	15	06/09/77	15	36.0					
34552	M	35	32.901	106.876	2	15	06/09/77	15	37.0					
34553	M	35	32.905	106.905	2	15	06/09/77	15	35.0					
34554	M	35	32.925	106.864	2	15	06/09/77	16	36.0					
34556	M	35	32.924	106.853	2	15	06/09/77	15	35.0					
34557	M	35	32.925	106.833	2	15	06/09/77	15	36.0					
34558	M	35	32.926	106.817	2	15	06/09/77	15	34.0					
34559	M	35	32.926	106.800	2	15	06/09/77	15						
34560	M	35	32.955	106.813	2	15	06/09/77	16	36.0					
34561	M	35	32.976	106.766	2	15	06/09/77	16	36.0					
34562	M	35	32.978	106.751	2	15	06/09/77	16	30.0					
34563	M	35	32.981	106.744	2	15	06/09/77	16	36.0					
34564	M	35	32.964	106.804	2	15	06/09/77	17	36.0					
34565	M	35	32.973	106.801	2	15	06/09/77	17	36.0					
34566	M	35	32.979	106.799	2	15	06/09/77	17	36.0					
34567	M	35	32.984	106.801	2	15	06/09/77	17	37.0					
34568	M	35	32.990	106.801	2	15	06/09/77	17	36.0					
34569	M	35	32.963	106.836	2	15	06/09/77	17	35.0					
34570	M	35	32.973	106.861	2	15	06/09/77	18	36.0					
34571	M	35	32.991	106.883	2	15	06/09/77	18	35.0					
34572	M	35	32.984	106.906	2	15	06/09/77	18	35.0					
34573	M	35	32.932	106.934	2	15	06/09/77	18	35.0					
34574	M	35	32.981	106.952	2	15	06/09/77	18	35.0					
34576	M	35	32.955	106.931	2	15	06/09/77	19	35.0					
34578	M	35	32.932	106.943	2	15	06/09/77	20	33.0					
34579	M	35	32.919	106.943	2	15	06/09/77	20	33.0					
34580	M	35	32.911	106.934	2	15	06/09/77	20	33.0					
34581	M	35	32.895	106.939	2	15	06/09/77	21	33.0					
34582	M	35	32.891	106.921	2	15	06/09/77	13	33.0					
34583	M	35	32.820	106.987	2	15	07/08/77	17	25.0					
34584	M	35	32.822	106.976	2	15	07/08/77	17	24.0					
34585	M	35	32.819	106.959	2	15	07/08/77	17	24.0					
34586	M	35	32.815	106.951	2	15	07/08/77	17	24.0					
34587	M	35	32.810	106.939	2	15	07/08/77	17	24.0					
34589	M	35	32.871	106.985	2	15	07/08/77	18	25.0					
34590	M	35	32.853	106.972	2	15	07/08/77	18	24.0					
34591	M	35	32.836	106.962	2	15	07/08/77	18	24.0					
34592	M	35	32.850	106.932	2	15	07/03/77	18	24.0					
34593	M	35	32.858	106.912	2	15	07/08/77	19	23.0					
34594	M	35	32.824	106.948	2	15	07/08/77	19	23.0					
34595	M	35	32.826	106.929	2	15	07/08/77	19	23.0					
34596	M	35	32.811	106.912	2	15	07/08/77	19	23.0					
34597	M	35	32.799	106.911	2	15	07/08/77	19	23.0					
34598	M	35	32.786	106.923	2	15	07/08/77	19	23.0					
34599	M	35	32.785	106.917	2	15	07/08/77	19	23.0					
34600	M	35	32.767	106.937	2	15	07/08/77	19	22.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
34542	1	14	1	6	4	6			1	1	2.50	<2	6.37	33
34543	1	14	1	6	4	6			1	1	3.10	<2	4.37	15
34544	1	15	1	6	4	6			1	1	2.40	<2	6.44	34
34545	1	9	1	6	4	6			1	1	1.80	<2	4.72	20
34546	1	8	1	6	4	6			1	1	1.70	<2	3.99	17
34547	1	6	1	6	4	6			1	1	1.50	<2	4.56	23
34548	5	8	1	6	4	6			3	1	2.40	<2	5.96	27
34549	1	7	1	6	4	6			1	1	2.00	<2	4.41	19
34550	1	9	1	6	4	6			1	1	2.00	<2	4.68	18
34551	1	16	1	6	4	6			1	1	2.40	<2	5.74	28
34552	1	19	1	4	4	4			1	1	2.20	<2	6.68	35
34553	1	10	1	6	4	6			1	1	2.60	<2	4.94	23
34554	1	10	1	6	4	6			1	1	1.90	<2	4.73	16
34556	1	14	1	6	4	6			1	2	1.70	<2	4.79	22
34557	1	8	1	6	4	6			1	2	2.00	<2	3.99	13
34558	1	13	1	6	4	6			1	2	2.30	<2	5.31	22
34559	1	17	1	6	4	6			1	2	2.80	<2	5.07	27
34560	1	4	1	6	4	6			1	2	2.60	<2	4.25	19
34561	1	11	1	4	4	4			1	2	2.50	<2	5.53	31
34562	1	13	1	6	4	6			2	2	2.60	<2	5.10	20
34563	1	7	1	6	4	6			1	2	2.70	<2	4.42	20
34564	1	9	1	6	4	6			1	2	2.00	<2	3.97	18
34565	1	2	1	6	4	6			2	2	1.90	<2	3.67	13
34566	1	16	1	6	4	6			2	2	2.00	<2	4.89	20
34567	1	36	1	7	3	7			2	2	1.90	<2	4.05	15
34568	1	9	1	6	4	6			2	2	2.10	<2	5.00	29
34569	1	7	1	1	4	1			2	2	1.60	<2	2.33	12
34570	1	11	1	6	4	6			2	2	1.80	<2	3.82	16
34571	1	11	1	6	4	6			1	2	2.10	<2	5.20	24
34572	1	15	1	6	4	6			1	2	2.20	<2	5.64	29
34573	1	7	1	6	4	6			2	1	2.20	<2	3.44	17
34574	1	11	1	6	4	6			1	2	2.20	<2	5.82	23
34576	1	11	1	6	4	6			1	2	2.60	<2	4.65	16
34578	1	11	1	6	4	6			3	2	2.80	<2	5.16	17
34579	1	14	1	6	4	6			3	2	2.60	<2	5.20	15
34580	1	13	1	6	4	6			1	-	2.50	<2	5.48	22
34581	1	8	1	6	4	6			1	2	2.20	<2	4.77	24
34582	1	15	1	6	4	6			1	2	2.30	<2	4.64	17
34583	1	12	1	6	4	6			2	3	2.30	<2	5.17	14
34584	1	7	1	6	4	6			2	3	1.50	<2	4.18	12
34585	1	8	1	6	4	6			2	3	2.20	<2	5.06	16
34586	1	7	1	6	4	6			2	3	2.20	<2	5.17	16
34587	1	13	1	6	4	6			2	3	2.20	<2	5.24	18
34589	1	12	1	6	4	6			1	3	2.70	<2	5.57	16
34590	1	10	1	6	4	6			1	3	2.70	<2	5.55	18
34591	1	6	1	6	4	6			1	3	2.20	<2	3.90	13
34592	1	8	1	6	4	6			1	3	2.30	<2	4.93	21
34593	1	7	1	6	4	6			1	3	2.40	<2	4.79	12
34594	1	4	1	6	4	6			1	3	2.00	<2	4.48	<10
34595	1	7	1	6	4	6			1	3	2.70	<2	4.85	24
34596	1	5	1	6	4	6			1	3	2.20	<2	4.23	17
34597	1	11	1	6	4	6			1	3	2.50	<2	5.26	15
34598	1	10	1	6	4	4			1	3	2.20	<2	5.64	31
34599	1	7	1	6	4	4			1	3	2.70	<2	6.14	24
34600	1	11	1	6	4	1			1	3	2.60	<2	6.33	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	DE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
34542	520	2	5.55	57	10	39	30	2.71	<15	1.64	24	33	1.02	612	<4
34543	470	1	0.72	60	8	44	20	3.14	<15	1.45	25	20	0.37	408	<4
34544	465	2	5.83	54	9	40	27	2.74	<15	1.69	23	37	1.07	433	<4
34545	480	1	2.86	38	5	26	16	1.74	<15	1.61	15	25	0.56	266	<4
34546	475	1	2.03	36	4	26	13	1.79	<15	1.36	16	16	0.42	249	<4
34547	497	1	2.91	38	4	27	15	1.85	<15	1.52	17	21	0.49	259	<4
34548	506	1	3.30	56	7	35	26	2.49	<15	1.74	23	28	0.77	411	<4
34549	496	1	2.36	42	6	27	13	1.86	<15	1.49	18	21	0.41	267	<4
34550	521	1	3.66	42	5	27	14	1.87	<15	1.40	18	25	0.51	256	<4
34551	527	1	3.62	56	8	33	26	2.43	<15	1.70	22	26	0.76	392	<4
34552	503	2	5.31	61	9	39	33	2.71	<15	1.76	25	35	1.02	510	<4
34553	509	1	3.41	34	5	27	20	2.05	19	1.81	14	26	0.60	290	<4
34554	494	1	3.07	28	4	24	25	1.83	<15	1.64	12	24	0.50	296	<4
34556	498	1	3.38	33	5	24	28	1.60	24	1.51	14	23	0.58	302	<4
34557	490	1	2.53	39	5	22	14	1.58	15	1.42	15	18	0.38	225	<4
34558	502	1	6.11	52	7	32	21	2.22	<15	1.45	22	25	0.70	343	<4
34559	410	1	7.19	48	7	36	27	2.23	<15	1.22	19	29	1.01	326	<4
34560	467	1	3.62	46	5	29	18	1.90	<15	1.29	18	18	0.48	265	<4
34561	466	1	6.05	48	8	34	20	2.18	<15	1.40	20	28	0.91	370	<4
34562	506	1	2.91	53	6	29	19	2.08	20	1.71	20	23	0.53	300	<4
34563	464	1	6.57	47	5	28	20	1.87	19	1.40	18	21	0.49	257	<4
34564	439	1	7.06	35	4	24	17	1.78	<15	1.23	14	19	0.52	268	<4
34565	410	1	8.38	36	4	23	17	1.71	<15	1.07	15	18	0.52	251	<4
34566	515	1	3.61	46	6	25	19	1.71	18	1.51	20	21	0.57	368	<4
34567	483	1	3.58	38	4	19	12	1.37	<15	1.50	15	18	0.35	204	<4
34568	451	1	7.98	43	6	29	23	1.96	<15	1.46	18	25	0.82	366	<4
34569	369	<1	17.47	12	<4	14	9	0.94	<15	0.65	5	14	0.73	11.9	<4
34570	454	1	3.15	40	5	22	15	1.69	<15	1.35	18	18	0.38	246	<4
34571	456	1	6.34	45	6	28	22	2.08	<15	1.56	19	26	0.68	290	<4
34572	478	1	2.26	51	7	28	18	2.14	<15	1.80	22	26	0.71	328	<4
34573	421	1	5.43	47	4	23	13	1.85	<15	1.12	19	18	0.34	221	<4
34574	527	1	4.15	50	6	28	23	2.30	<15	1.43	21	29	0.65	273	<4
34576	545	1	6.43	45	6	24	24	1.87	<15	1.20	20	29	0.60	254	<4
34578	592	1	2.26	58	8	41	20	2.74	<15	1.38	24	22	0.59	394	<4
34579	535	1	2.61	51	8	38	19	3.08	<15	1.34	22	24	0.65	400	<4
34580	593	1	4.23	50	7	28	21	2.32	28	1.32	22	25	0.76	401	<4
34581	455	1	5.66	40	6	26	19	1.93	<15	1.52	16	26	0.71	337	<4
34582	489	1	5.31	44	6	27	17	1.99	<15	1.45	17	24	0.68	333	<4
34583	636	1	4.81	47	10	74	22	3.19	<15	1.42	17	38	0.96	414	<4
34584	598	1	7.39	41	12	97	22	3.59	<15	0.98	16	26	0.93	438	<4
34585	634	1	5.14	49	11	76	24	3.21	<15	1.30	19	35	1.00	424	<4
34586	651	1	4.94	49	11	74	25	3.16	<15	1.38	19	36	0.99	417	<4
34587	646	1	4.82	51	11	66	35	2.95	<15	1.42	19	36	0.99	409	<4
34589	526	1	2.91	50	7	31	22	2.39	<15	1.60	22	27	0.67	426	<4
34590	529	1	3.27	55	7	32	21	2.45	<15	1.42	25	25	0.74	448	<4
34591	960	1	11.91	38	6	25	20	1.86	<15	1.00	17	22	0.57	260	<4
34592	603	1	9.69	38	5	30	26	2.28	<15	1.25	18	27	0.66	311	<4
34593	701	1	9.24	41	5	28	30	2.16	<15	1.34	17	27	0.63	300	<4
34594	811	1	10.44	44	6	28	25	2.03	<15	1.19	18	24	0.59	308	<4
34595	450	1	8.17	50	6	35	20	2.35	<15	1.18	21	28	0.65	305	<4
34596	415	1	10.55	50	7	32	25	2.23	<15	1.11	20	24	0.58	315	<4
34597	418	1	8.36	56	7	39	30	2.74	<15	1.27	24	29	0.75	395	<4
34598	485	1	7.55	49	9	43	21	2.44	<15	1.16	21	32	1.01	508	<4
34599	449	2	7.96	61	10	49	31	2.76	<15	1.22	25	37	1.17	537	<4
34600	641	2	2.47	77	7	38	18	2.78	<15	1.93	32	21	0.57	518	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
34542	0.78	11	21	772	14	7	233	3	2555	62	14	72	56
34543	0.93	12	14	232	12	4	130	7	4655	98	13	71	73
34544	0.74	10	18	713	<10	7	210	8	2430	62	13	73	51
34545	0.75	8	12	382	13	4	155	10	1840	45	9	44	36
34546	0.70	7	10	252	12	3	135	7	2100	49	8	41	36
34547	0.80	6	11	365	14	4	158	3	1993	48	9	45	41
34548	0.78	8	20	760	20	6	208	5	2505	59	12	76	56
34549	0.78	9	12	294	19	4	162	6	2279	51	9	46	42
34550	0.77	8	15	278	<10	4	169	4	1993	53	9	44	41
34551	0.73	10	16	682	28	5	162	9	2437	57	12	68	55
34552	0.78	10	22	774	23	7	199	9	2424	62	13	75	55
34553	0.96	7	12	903	<10	4	186	<2	2317	51	10	59	48
34554	0.87	6	13	361	<10	4	151	<2	1958	46	9	54	39
34556	0.91	6	13	345	<10	4	168	3	1577	40	9	51	36
34557	0.80	7	8	252	15	3	143	4	1956	43	8	40	36
34558	0.71	12	13	523	18	5	210	6	2347	56	12	60	56
34559	0.90	11	15	477	15	5	265	10	2171	58	11	56	44
34560	0.84	9	10	313	26	4	164	12	2409	52	9	47	50
34561	1.02	9	17	548	17	5	231	2	2187	56	11	52	47
34562	1.08	9	11	406	15	4	178	3	2561	52	10	58	53
34563	0.90	9	11	412	21	4	207	4	2373	48	10	50	52
34564	0.66	8	11	379	<10	3	181	<2	2123	48	9	46	48
34565	0.53	8	10	384	<10	3	176	<2	2037	47	10	47	40
34566	0.88	8	12	526	18	4	182	7	1918	42	10	49	46
34567	0.90	7	9	277	12	3	161	4	1760	37	8	36	37
34568	0.64	8	17	680	17	5	214	9	2001	49	11	55	50
34569	0.37	5	8	196	<10	2	348	2	1099	31	5	25	27
34570	0.66	7	10	319	21	3	133	6	2018	45	8	42	44
34571	0.62	8	14	568	14	5	161	6	2105	50	11	61	53
34572	0.72	9	18	624	16	5	137	7	2154	49	11	66	51
34573	0.63	8	12	217	14	3	151	5	2373	55	8	42	43
34574	0.69	9	16	397	24	5	168	6	2288	66	12	60	55
34576	0.74	8	12	382	<10	4	476	9	2101	65	11	55	51
34578	1.11	11	15	514	17	5	227	4	3517	82	12	60	67
34579	0.95	9	15	497	21	5	246	5	3476	88	12	65	66
34580	0.73	10	12	565	24	5	218	4	2495	61	12	62	59
34581	0.89	7	9	565	15	4	221	5	2120	50	10	51	46
34582	0.88	7	11	474	11	4	210	9	2262	52	10	49	49
34583	1.11	8	27	516	11	6	1028	<2	4387	117	10	62	66
34584	0.84	8	39	450	<10	6	1878	6	5110	144	10	65	73
34585	1.01	10	33	527	19	6	1103	<2	4469	122	11	63	69
34586	1.07	10	29	542	26	6	1175	2	4332	117	11	62	65
34587	1.07	9	26	525	17	6	1014	5	3990	108	11	67	67
34589	0.92	8	16	535	<10	5	180	7	2605	61	12	61	60
34590	0.80	9	17	551	30	5	183	13	2625	61	13	62	61
34591	0.54	9	11	437	20	4	282	5	2020	53	10	53	46
34592	0.60	9	13	524	13	5	243	<2	2427	59	12	65	60
34593	0.68	6	17	472	<10	4	245	<2	2305	56	11	67	49
34594	0.63	9	16	431	36	4	259	10	2178	55	11	61	48
34595	0.68	10	15	407	18	5	243	8	2469	63	12	56	54
34596	0.66	11	15	394	19	4	220	9	2415	61	10	65	50
34597	0.57	11	21	556	24	6	193	6	2639	68	13	70	54
34598	0.65	7	23	516	29	6	216	7	2084	59	12	58	44
34599	0.65	10	27	709	15	7	218	9	2335	64	14	73	50
34600	1.36	13	13	315	21	4	578	7	3558	80	16	68	71

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	COMP	MEAS	PH	CT-F
34601	M	35	32.842	107.037	2	15	06/17/77	9	28.0					
34602	M	35	32.892	107.066	2	15	06/17/77	10	33.0					
34603	M	35	32.859	107.016	2	15	06/17/77	10	32.0					
34604	M	35	32.870	107.012	2	15	06/17/77	10	33.0					
34605	M	35	32.899	107.057	2	15	06/17/77	10	33.0					
34606	M	35	32.919	107.077	2	15	06/17/77	10	33.0					
34607	M	35	32.938	107.086	2	15	06/17/77	9	29.0					
34608	M	35	32.960	107.098	2	15	06/17/77	10	30.0					
34609	M	35	32.991	107.005	2	15	06/17/77	10	36.0					
34610	M	35	32.974	107.032	2	15	06/17/77	10	34.0					
34611	M	35	32.955	107.062	2	15	06/17/77	10	34.0					
34612	M	35	32.986	107.111	2	15	06/17/77	11	34.0					
34613	M	35	32.995	107.123	2	15	06/17/77	11	35.0					
34614	M	35	32.993	107.150	2	15	06/17/77	11	36.0					
34616	M	35	32.997	107.185	2	15	06/17/77	12	33.0					
34617	M	35	32.991	107.212	2	15	06/17/77	12	34.0					
34618	M	35	32.975	107.120	2	15	06/17/77	12	38.0					
34619	M	35	32.958	107.119	2	15	06/17/77	12	37.0					
34620	M	35	32.976	107.146	2	15	06/17/77	13	37.0					
34621	M	35	32.967	107.148	2	15	06/17/77	13	37.0					
34622	M	35	32.959	107.166	2	15	06/17/77	14	40.0					
34623	M	35	32.965	107.185	2	15	06/17/77	13	36.0					
34625	M	35	32.977	107.196	2	15	06/17/77	13	40.0					
34626	M	35	32.951	107.186	2	15	06/17/77	15	40.0					
34627	M	35	32.943	107.156	2	15	06/17/77	15	40.0					
34629	M	35	32.915	107.172	2	15	06/17/77	15	36.0					
34630	M	35	32.917	107.150	2	15	06/17/77	16	36.0					
34631	M	35	32.936	107.168	2	15	06/17/77	15	40.0					
34633	M	35	32.939	107.124	2	15	06/17/77	16	39.0					
34634	M	35	32.919	107.122	2	15	06/17/77	16	40.0					
34635	M	35	32.903	107.122	2	15	06/17/77	16	40.0					
34636	M	35	32.892	107.130	2	15	06/17/77	17	36.0					
34637	M	35	32.881	107.120	2	15	06/17/77	17	36.0					
34638	M	35	32.874	107.157	2	15	06/17/77	17	36.0					
34639	M	35	32.886	107.141	2	15	06/17/77	17	36.0					
34640	M	35	32.883	107.080	2	15	06/17/77	18	41.0					
34641	M	35	32.874	107.088	2	15	06/17/77	18	41.0					
34642	M	35	32.860	107.086	2	15	06/17/77	18	40.0					
34643	M	35	32.845	107.085	2	15	06/17/77	18	40.0					
34644	M	35	32.837	107.086	2	15	06/17/77	19	40.0					
34645	M	35	32.841	107.121	2	15	06/17/77	19	41.0					
34646	M	35	32.853	107.126	2	15	06/17/77	19	41.0					
34647	M	35	32.859	107.129	2	15	06/17/77	20	40.0					
34648	M	35	32.871	107.132	2	15	06/17/77	20	40.0					
34649	M	35	32.863	107.122	2	15	06/17/77	19	38.0					
34650	M	35	32.828	107.127	2	15	06/17/77	19	38.0					
34651	M	35	32.827	107.104	2	15	06/17/77	20	38.0					
34652	M	35	32.810	107.088	2	15	06/17/77	20	37.0					
34653	M	35	32.899	107.272	2	15	06/18/77	8	26.0					
34654	M	35	32.897	107.233	2	15	06/18/77	8	27.0					
34655	M	35	32.875	107.255	2	15	06/18/77	8	30.0					
34656	M	35	32.836	107.248	2	15	06/18/77	9	30.0					
34657	M	35	32.873	107.238	2	15	06/18/77	9	33.0					
34658	M	35	32.857	107.228	2	15	06/18/77	10	33.0					
34659	M	35	32.852	107.220	2	15	06/18/77	10	34.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
34601	1	8	1	6	3	6			1	1	2.40	<2	3.99	10
34602	1	17	1	6	4	6			1	1	2.30	<2	4.81	<10
34603	1	7	1	6	4	6			1	1	2.70	<2	4.02	14
34604	1	9	1	6	4	6			1	1	2.70	<2	3.95	<10
34605	1	13	1	6	4	6			1	1	2.30	<2	5.29	14
34606	1	9	1	6	4	6			1	1	2.40	<2	5.08	17
34607	1	9	1	6	4	6			1	1	3.50	<2	3.77	10
34608	1	13	1	6	4	4			1	1	2.60	<2	4.33	15
34609	1	12	1	1	4	6			2	1	3.10	<2	3.84	<10
34610	1	16	1	7	4	6			1	1	3.40	<2	4.81	10
34611	1	9	1	7	4	6			1	1	3.10	<2	4.62	<10
34612	1	7	1	7	4	6			1	1	2.80	<2	4.12	<10
34613	1		1	7	4	6			2	1	2.80	<2	4.53	12
34614	1	17	1	6	4	6			3	1	2.60	<2	4.57	10
34616	1	16	1	4	4	4			2	1	2.80	<2	5.68	31
34617	1	15	1	4	4	4			2	1	2.70	<2	5.48	12
34618	1	11	1	4	4	6			2	1	2.80	<2	5.04	<10
34619	1	12	1	6	4	6			2	1	2.70	<2	5.30	17
34620	1	16	1	6	4	6			2	1	3.20	<2	4.39	10
34621	1	7	1	7	4	4			2	1	3.00	<2	5.55	47
34622	1	14	1	4	4	4			2	1	3.10	<2	4.86	11
34623	1	9	1	6	4	6			3	1	2.70	<2	4.41	23
34625	1	13	1	6	4	6			2	1	3.00	<2	4.80	12
34626	1	6	1	6	4	4			1	2	3.10	<2	5.01	29
34627	1	8	1	7	4	4			2	1	2.80	<2	5.32	26
34629	1	7	1	4	4	4			3	1	2.50	<2	5.14	28
34630	1	10	1	7	4	4			2	1	2.90	<2	4.69	18
34631	1	8	1	6	4	4			3	1	2.80	<2	4.77	14
34633	1	18	1	7	4	4			2	1	3.10	<2	5.40	17
34634	1	6	1	7	4	7			1	1	2.40	<2	3.48	<10
34635	1	12	1	6	4	6			2	1	3.00	<2	3.51	<10
34636	1	7	1	7	4	4			2	1	2.80	<2	5.27	29
34637	1	6	1	7	4	4			2	1	3.00	<2	5.04	38
34638	1	12	1	4	4	4			2	1	2.80	<2	5.08	36
34639	1	7	1	4	4	4			2	1	3.40	<2	4.02	10
34640	1	13	1	7	4	4			1	1	2.70	<2	4.63	34
34641	1	7	1	7	4	4			1	1	3.10	<2	4.05	18
34642	1	10	1	7	4	6			1	1	2.80	<2	4.53	15
34643	1	10	1	7	4	6			1	1	2.70	<2	4.91	<10
34644	1	9	1	7	4	6			1	1	3.20	<2	4.06	15
34645	1	9	1	6	4	6			2	1	3.10	<2	3.88	12
34646	1	6	1	6	4	6			2	1	3.20	<2	4.04	13
34647	1	12	1	6	4	6			2	1	2.60	<2	4.86	22
34648	1	7	1	6	4	6			2	1	2.70	<2	4.32	19
34649	1	7	1	7	4	6			1	1	2.60	<2	4.91	38
34650	1	9	1	7	4	6			1	1	3.30	<2	4.23	21
34651	1	14	1	7	4	6			2	1	2.90	<2	4.09	10
34652	1	5	1	7	4	4			2	1	2.60	<2	3.50	<10
34653	1	20	1	7	3	7			3	1	3.80	<2	4.61	<10
34654	1	17	1	7	3	7			3	1	2.90	<2	5.77	18
34655	1	16	1	7	2	7			3	1	2.50	<2	5.21	<10
34656	1	13	1	7	3	7			3	1	2.50	<2	6.20	<10
34657	1	7	1	7	3	7			2	1	2.20	<2	5.95	<10
34658	1	13	1	7	4	7			2	1	2.10	<2	7.40	<10
34659	1	11	1	7	4	7			2	1	2.00	<2	5.42	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
34601	569	1	6.33	43	6	32	19	2.35	<15	1.22	18	18	0.46	340	<4
34602	475	1	7.25	49	7	30	27	2.15	<15	1.15	22	22	0.78	386	<4
34603	495	1	3.76	48	5	28	17	1.89	<15	1.12	20	15	0.50	312	4
34604	494	1	3.77	40	5	28	17	1.90	<15	1.13	19	16	0.50	312	<4
34605	471	1	7.59	49	8	33	32	2.31	<15	1.24	23	25	0.86	465	<4
34606	465	1	6.53	48	7	33	25	2.36	<15	1.21	21	22	0.80	461	<4
34607	537	1	2.48	64	10	34	12	4.25	<15	1.02	28	25	0.53	654	<4
34608	433	1	4.55	44	6	33	15	2.02	<15	0.93	19	17	0.65	389	<4
34609	412	1	3.25	39	5	25	14	1.87	<15	0.86	19	15	0.46	260	<4
34610	491	1	2.70	56	6	27	20	2.04	<15	1.33	22	24	0.48	293	<4
34611	486	1	3.05	54	6	28	18	2.05	<15	1.12	24	21	0.50	290	<4
34612	459	1	4.60	35	4	28	18	1.95	16	1.19	15	19	0.44	271	<4
34613	491	1	5.31	38	4	27	19	1.93	<15	1.36	17	23	0.50	282	<4
34614	458	1	4.56	42	6	27	15	1.78	<15	1.28	17	22	0.63	317	<4
34616	398	1	5.16	42	8	44	24	2.48	<15	1.11	18	39	1.20	405	<4
34617	405	1	5.36	47	9	45	23	2.51	<15	1.01	20	36	1.22	424	<4
34618	469	1	5.26	42	6	37	16	2.16	<15	1.26	19	26	0.68	369	<4
34619	474	1	5.19	50	7	39	16	2.19	<15	1.25	21	25	0.68	373	<4
34620	476	1	3.87	53	7	37	20	2.73	<15	1.35	23	21	0.47	390	<4
34621	610	2	6.80	51	9	48	21	2.72	<15	1.12	21	36	1.08	384	<4
34622	404	1	6.62	52	6	45	17	2.21	17	1.12	23	25	0.84	358	<4
34623	445	1	7.24	46	6	32	18	2.09	<15	1.28	19	24	0.68	315	<4
34625	412	1	5.41	51	7	42	17	2.46	<15	1.08	21	24	0.72	403	<4
34626	398	1	6.63	52	7	46	22	2.68	<15	1.00	19	30	0.96	404	<4
34627	400	1	7.33	48	8	49	31	2.83	<15	1.04	20	33	1.06	440	<4
34629	345	2	9.09	45	8	47	25	2.53	<15	0.80	19	28	0.97	326	<4
34630	362	1	5.63	37	6	38	22	2.02	<15	1.04	17	26	0.82	288	<4
34631	270	1	8.21	35	7	50	18	2.60	<15	0.70	14	29	0.78	315	<4
34633	452	1	3.84	39	5	24	16	1.94	<15	1.09	18	22	0.56	287	<4
34634	442	1	8.94	38	6	25	14	1.91	17	0.82	16	15	0.48	281	<4
34635	422	1	5.23	38	5	29	20	2.15	<15	1.04	16	16	0.42	310	<4
34636	443	1	6.12	50	8	37	23	2.37	<15	1.11	21	28	0.96	375	<4
34637	443	1	6.07	54	8	37	23	2.28	<15	1.04	24	26	0.90	358	<4
34638	420	1	5.67	45	8	35	19	2.25	<15	1.10	20	26	0.92	356	<4
34639	384	1	3.79	48	7	37	13	2.31	<15	0.95	20	18	0.61	359	<4
34640	361	1	6.07	46	6	37	25	2.04	19	1.00	20	24	0.82	346	<4
34641	395	1	4.19	45	6	31	17	2.07	<15	1.22	21	18	0.49	304	<4
34642	338	1	8.03	39	6	44	17	2.10	<15	0.90	18	25	0.38	319	<4
34643	368	1	6.03	47	7	40	20	2.35	<15	0.99	20	28	1.09	377	<4
34644	425	1	4.44	48	6	34	20	2.29	<15	1.16	22	17	0.53	332	<4
34645	409	1	4.86	43	5	33	17	2.12	<15	1.07	19	16	0.52	300	<4
34646	428	1	4.61	45	5	33	17	2.21	<15	1.17	20	17	0.51	309	<4
34647	376	1	6.27	44	7	41	19	2.43	<15	0.95	21	28	1.12	385	<4
34648	341	1	7.74	43	6	42	16	2.00	<15	0.85	19	22	0.83	305	<4
34649	383	1	6.08	46	7	39	20	2.31	<15	1.06	21	29	1.08	389	<4
34650	349	1	6.09	42	6	40	16	2.19	<15	0.96	19	22	0.73	302	<4
34651	362	1	7.11	41	6	37	16	1.99	<15	0.85	18	22	0.87	289	<4
34652	397	1	6.09	39	6	33	14	2.11	<15	0.96	18	15	0.50	321	<4
34653	690	2	7.02	74	15	57	17	5.82	<15	0.99	32	17	0.85	971	<4
34654	629	1	8.68	57	11	43	24	3.24	<15	1.12	25	26	1.29	709	<4
34655	560	1	8.75	47	8	36	27	2.36	<15	1.33	21	19	1.45	549	<4
34656	684	1	10.31	66	13	54	26	3.61	<15	0.99	28	20	1.07	722	<4
34657	508	1	9.29	56	17	133	25	5.46	<15	0.95	21	24	1.13	948	<4
34658	800	1	6.56	56	16	89	30	4.21	<15	1.11	23	23	1.26	724	<4
34659	1065	1	6.16	62	35	271	26	12.80	<15	0.69	22	15	1.04	1621	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
34601	0.82	10	12	339	14	3	208	5	2801	68	10	51	50
34602	0.52	9	16	756	16	5	193	6	2050	49	13	65	53
34603	0.77	10	10	363	22	4	180	9	2366	53	10	47	55
34604	0.76	9	11	361	18	4	176	2	2337	52	10	44	52
34605	0.49	9	21	828	21	6	182	4	2154	52	14	70	58
34606	0.51	10	19	728	19	6	173	3	2277	56	13	65	58
34607	0.68	13	14	404	15	5	247	5	5558	143	14	78	86
34608	0.58	8	15	427	16	5	153	10	2123	53	12	50	52
34609	0.64	7	10	302	11	4	136	10	2449	52	11	45	59
34610	1.04	10	11	305	19	4	150	6	2851	59	11	52	65
34611	0.90	9	12	341	21	4	150	11	2656	58	11	51	62
34612	0.89	8	11	285	19	4	163	<2	2512	53	9	47	53
34613	0.95	9	11	357	10	4	179	<2	2384	51	10	45	54
34614	0.81	8	16	387	<10	4	151	<2	2034	47	10	44	48
34616	1.09	7	21	401	19	6	176	6	2178	59	10	44	42
34617	1.00	8	20	409	25	6	176	7	2140	60	11	45	40
34618	0.82	8	19	451	<10	5	170	3	2275	56	12	54	53
34619	0.83	10	20	459	21	5	172	9	2419	58	12	55	55
34620	0.87	11	16	369	15	4	156	5	3327	76	12	60	66
34621	0.72	10	21	488	11	6	199	8	2500	70	12	54	51
34622	0.97	10	20	448	17	5	217	9	2459	59	12	51	55
34623	0.79	10	17	595	20	4	180	5	2290	58	11	53	49
34625	0.97	10	17	413	14	5	201	<2	2441	62	12	51	51
34626	0.93	11	21	438	18	5	217	<2	2396	67	11	52	49
34627	0.92	11	20	451	15	6	225	<2	2342	67	12	60	44
34629	0.59	10	25	496	21	6	230	9	2332	59	11	45	46
34630	0.78	7	15	431	<10	5	184	5	2052	52	11	52	47
34631	0.58	8	22	466	<10	5	198	<2	2113	63	10	53	42
34633	0.59	8	12	440	18	5	175	<2	2234	57	11	54	59
34634	0.49	11	12	369	15	4	168	4	2103	55	10	44	48
34635	0.74	8	12	313	13	3	216	6	2464	62	9	51	45
34636	0.55	9	24	582	14	6	212	7	2191	59	12	68	53
34637	0.51	11	21	548	26	6	212	12	2201	58	12	57	55
34638	0.62	7	16	527	<10	5	204	7	2156	55	11	53	51
34639	0.68	8	12	314	18	4	173	5	2689	65	11	45	56
34640	0.74	8	17	484	15	5	189	6	2079	51	11	55	49
34641	0.78	10	12	508	24	4	163	5	2560	57	10	78	52
34642	0.53	8	22	556	10	5	205	7	1976	52	12	57	46
34643	0.59	8	20	634	23	6	216	6	2122	55	11	57	51
34644	0.75	9	11	397	19	4	184	4	2920	63	11	53	68
34645	0.67	9	11	378	20	4	179	7	2685	58	11	51	64
34646	0.74	9	9	396	12	4	184	5	2793	63	11	51	66
34647	0.58	8	20	586	18	6	221	8	2287	57	12	56	54
34648	0.55	10	19	515	21	5	205	4	1998	52	12	54	48
34649	0.63	9	20	613	20	6	223	6	2116	55	11	55	50
34650	0.58	9	17	311	14	5	191	6	2368	57	11	51	61
34651	0.55	9	18	447	13	5	240	6	2163	54	11	47	58
34652	0.63	8	10	316	12	3	202	3	2460	60	11	48	48
34653	0.87	15	19	646	40	6	309	8	5278	158	21	132	68
34654	0.74	12	17	830	31	6	295	8	3125	79	16	77	61
34655	0.95	9	16	671	25	4	284	7	2668	61	13	70	57
34656	1.00	11	20	792	27	6	406	10	3782	101	15	85	76
34657	1.00	9	30	759	21	6	361	2	5055	161	12	147	77
34658	1.37	8	34	843	15	7	528	3	4847	130	12	54	103
34659	0.94	11	61	794	28	7	399	<2	11235	459	11	241	94

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
34660	M	35	32.847	107.221	2	15	06/18/77	10	34.0					
34661	M	35	32.840	107.217	2	15	06/18/77	10	36.0					
34663	M	35	32.824	107.202	2	15	06/18/77	11	35.0					
34664	M	35	32.929	107.188	2	15	06/18/77	11	38.0					
34665	M	35	32.825	107.187	2	15	06/18/77	11	38.0					
34666	M	35	32.821	107.157	2	15	06/18/77	11	39.0					
34667	M	35	32.811	107.162	2	15	06/18/77	12	40.0					
34668	M	35	32.800	107.167	2	15	06/18/77	12	40.0					
34669	M	35	32.797	107.149	2	15	06/18/77	12	40.0					
34670	M	35	32.786	107.170	2	15	06/18/77	13	40.0					
34671	M	35	32.782	107.169	2	15	06/18/77	13	41.0					
34672	M	35	32.772	107.187	2	15	06/18/77	13	39.0					
34673	M	35	32.761	107.191	2	15	06/18/77	13	39.0					
34674	M	35	32.766	107.225	2	15	06/18/77	13	39.0					
34675	M	35	32.802	107.123	2	15	06/18/77	13	40.0					
34677	M	35	32.757	107.258	2	15	06/18/77	15	40.0					
34678	M	35	32.764	107.261	2	15	06/18/77	15	40.0					
34679	M	35	32.771	107.258	2	15	06/18/77	16	39.0					
34680	M	35	32.730	107.261	2	15	06/18/77	16	39.0					
34681	M	35	32.794	107.273	2	15	06/18/77	16						
34682	M	35	32.804	107.279	2	15	06/18/77	16	42.0					
34683	M	35	32.820	107.289	2	15	06/18/77	16	42.0					
34694	M	35	32.835	107.290	2	15	06/18/77	16	42.0					
34685	M	35	32.848	107.287	2	15	06/18/77	16	41.0					
34686	M	35	32.856	107.286	2	15	06/18/77	17	40.0					
34687	M	35	32.859	107.287	2	15	06/18/77	17	40.0					
34688	M	35	32.863	107.291	2	15	06/18/77	17	40.0					
34689	M	35	32.880	107.284	2	15	06/18/77	17	40.0					
34690	M	35	32.887	107.289	2	15	06/18/77	18	41.0					
34691	M	35	32.891	107.281	2	15	06/18/77	18	41.0					
34692	M	35	32.907	107.280	2	15	06/18/77	18	40.0					
34693	M	35	32.927	107.259	2	15	06/18/77	19	40.0					
34694	M	35	32.942	107.254	2	15	06/18/77	18	40.0					
34695	M	35	32.940	107.274	2	15	06/18/77	18	40.0					
34696	M	35	32.956	107.264	2	15	06/18/77	18	39.0					
34697	M	35	32.958	107.264	2	15	06/18/77	18	39.0					
34698	M	35	32.982	107.264	2	15	06/18/77	18	39.0					
34699	M	35	32.966	107.359	2	15	06/18/77	19	39.0					
34700	M	35	32.962	107.342	2	15	06/18/77	19	40.0					
35151	M	35	32.483	106.507	2	15	05/27/77	11	20.0		C			
35152	M	35	32.463	106.501	2	15	05/27/77	11	20.0		C			
35153	M	35	32.438	106.517	2	15	05/27/77	11	20.0		C			
35154	M	35	32.437	106.520	2	15	05/27/77	11	20.0		C			
35155	M	35	32.436	106.542	2	15	05/27/77	11	20.0					
35156	M	35	32.427	106.590	2	15	05/27/77	12	20.0					
35157	M	35	32.414	106.613	2	15	05/27/77	12	21.0		C			
35158	M	35	32.719	106.463	2	15	07/26/77	17	39.0					
35159	M	35	32.399	106.620	2	15	05/27/77	12	21.0		C			
35160	M	35	32.703	106.464	2	15	07/26/77	17	39.0					
35161	M	35	32.440	106.588	2	15	05/27/77	13	22.0					
35162	M	35	32.458	106.601	2	15	05/27/77	13	22.0		C			
35163	M	35	32.470	106.602	2	15	05/27/77	13	22.0		C			
35164	M	35	32.434	106.596	2	15	05/27/77	13	22.0					
35165	M	35	32.424	106.554	2	15	05/27/77	17	25.0		C			
35166	M	35	32.689	106.462	2	15	07/26/77	17	39.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
34660	1	3	1	7	4	7			2	1	2.50	<2	6.71	<10
34661	1	14	1	6	4	6			3	1	2.80	<2	5.52	10
34663	1	7	1	7	4	7			2	1	2.40	<2	5.25	<10
34664	1	14	1	4	4	4			3	1	4.00	<2	4.48	<10
34665	1	9	1	6	4	6			2	1	1.40	<2	5.84	<10
34666	1	8	1	6	4	6			2	1	2.00	<2	5.55	<10
34667	1	8	1	6	4	6			2	1	2.60	<2	5.26	<10
34668	1	12	1	6	4	6			2	1	2.00	<2	5.39	<10
34669	1	4	1	7	3	7			2	1	3.10	<2	3.91	10
34670	1	19	1	7	4	7			2	1	2.20	<2	5.61	<10
34671	1	8	1	7	4	7			2	1	2.00	<2	5.62	<10
34672	1	13	1	7	4	7			2	1	2.80	<2	3.86	15
34673	1	17	1	7	4	7			2	1	3.00	<2	4.09	11
34674	1	13	1	6	4	6			2	1	3.30	<2	4.14	10
34675	1	19	1	7	4	7			2	1	3.10	<2	4.43	11
34677	1	18	1	6	4	6			2	1	2.70	<2	4.92	<10
34678	1	12	1	6	4	6			2	1	2.70	<2	4.98	12
34679	1	7	1	6	4	6			2	2	3.70	<2	4.68	<10
34680	1	13	1	6	4	6			2	2	2.70	<2	4.75	10
34681	1	14	1	6	4	6			2	1	2.60	<2	4.94	17
34682	1	10	1	6	4	6			2	2	2.90	<2	5.27	<10
34683	1	11	1	6	4	6			2	2	3.10	<2	4.77	<10
34684	1	5	1	7	3	7			2	2	2.80	<2	4.73	12
34685	1	12	1	6	4	6			2	2	3.40	<2	4.78	<10
34686	1	25	1	6	4	6			2	2	9.70	<2	4.49	14
34687	1	9	1	6	4	6			1	2	4.60	<2	5.48	10
34688	1	35		6	4	6			2	1	8.00	<2	4.44	10
34689	1	12	1	6	4	6			2	1	5.10	<2	5.00	12
34690	1	9	1	6	4	6			2	2	4.60	<2	4.70	11
34691	1	15	1	6	4	6			3	1	3.70	<2	4.75	<10
34692	1	11	1	6	4	6			2	1	4.00	<2	4.96	<10
34693	1	25	1	6	4	6			4	2	12.10	<2	4.74	<10
34694	1	35	3	6	4	6			2	1	13.50	<2	6.89	<10
34695	1	35	2	1	3	4			4	2	2.60	<2	5.67	<10
34696	1	12	1	6	4	6			3	1	5.00	<2	5.36	<10
34697	1	9	1	6	4	6			3	1	4.20	<2	6.76	<10
34698	1	6	3	8	4	8			3	1	3.00	<2	5.65	<10
34699	5	15		1	1	4			3	3	2.60	<2	4.34	<10
34700		18	1	1	4	7			3	1	3.10	<2	4.22	<10
35151	1	93	3	4	4	4			2	2	17.50	<2	5.46	<10
35152	1	55	3	6	4	6			4	2	4.20	<2	6.19	<10
35153	1	37	3	4	4	4			3	2	9.00	<2	5.54	<10
35154	1	40	3	1	4	1			4	2	10.30	<2	4.58	10
35155	1	37	3	4	4	4			3	2	13.10	<2	4.94	<10
35156	2	55	3	6	4	6			4	3	6.40	<2	5.23	<10
35157	2	37	3	6	4	6			4	3	9.70	<2	4.07	<10
35158	1	83	1	6	4	6			2	2	3.10	<2	4.85	<10
35159	1	46	3	6	4	6			4	3	8.20	<2	5.46	<10
35160	1	55	1	6	4	6			2	2	4.00	<2	5.05	13
35161	3	37	3	6	4	6			4	2	6.80	<2	5.48	<10
35162	1	37	3	4	4	4			2	2	3.40	<2	3.75	12
35163	1	27	1	7	3	7			4	2	2.90	<2	4.90	12
35164	1	37	3	6	4	7			2	2	4.20	<2	4.15	20
35165	1	18	3	4	4	4			3	2	8.80	<2	6.42	<10
35166	1	97	1	6	4	6			2	2	3.00	<2	5.93	18

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
34660	793	1	7.60	52	21	129	31	4.74	<15	0.68	20	25	1.69	840	<4
34661	656	1	7.91	66	13	64	20	3.89	<15	1.01	30	18	1.31	733	<4
34663	543	1	8.72	39	9	48	19	2.53	<15	0.92	19	24	1.18	472	<4
34664	871	1	7.37	54	16	77	26	6.16	<15	0.39	22	16	0.91	777	<4
34665	890	1	9.71	41	14	71	21	3.88	<15	0.61	18	24	1.60	730	<4
34666	747	1	7.74	45	10	44	20	2.81	<15	0.91	20	21	1.11	527	<4
34667	766	1	7.89	46	12	58	19	3.56	<15	0.92	20	19	1.04	622	<4
34668	644	1	7.48	38	8	37	24	2.50	<15	1.20	17	22	1.02	500	<4
34669	418	1	11.36	42	7	47	22	2.17	<15	0.84	20	17	0.67	314	4
34670	898	1	7.44	45	12	52	20	3.40	<15	0.99	19	21	1.07	589	<4
34671	771	1	7.75	44	11	47	19	2.94	<15	0.94	20	20	1.11	551	<4
34672	357	1	11.71	35	7	49	24	1.83	<15	0.83	18	18	0.71	283	<4
34673	375	1	11.53	35	6	51	23	1.87	<15	0.91	18	20	0.73	281	<4
34674	420	1	8.62	43	6	48	15	2.10	<15	0.97	21	18	0.62	317	<4
34675	389	1	10.93	40	6	53	26	1.96	<15	0.93	20	20	0.83	307	<4
34677	599	1	4.09	46	6	23	24	1.98	<15	1.40	20	26	0.67	365	<4
34678	609	1	4.12	45	5	23	26	1.90	29	1.43	20	27	0.67	356	<4
34679	643	1	5.01	47	8	32	16	2.94	<15	1.28	18	27	0.56	516	<4
34680	624	1	5.44	31	4	21	16	1.75	<15	1.37	13	34	0.72	308	<4
34681	621	1	2.49	50	5	19	14	1.47	<15	1.56	22	31	0.53	299	<4
34682	611	1	6.86	52	8	44	25	2.70	<15	1.13	20	29	1.07	488	<4
34683	616	1	2.37	57	6	26	16	2.47	<15	1.39	23	20	0.51	388	<4
34684	649	1	3.39	55	6	23	15	1.93	15	1.32	24	20	0.55	382	<4
34685	655	1	2.35	48	6	28	14	2.61	25	1.56	20	20	0.58	538	<4
34686	567	2	1.37	87	6	28	15	2.98	<15	1.62	34	19	0.56	523	<4
34687	597	2	1.76	82	6	25	21	2.24	<15	1.82	36	26	0.59	351	<4
34688	515	2	1.01	108	8	33	14	3.56	<15	1.50	45	18	0.44	439	<4
34689	677	1	2.58	68	6	24	16	2.58	<15	1.67	27	30	0.50	352	<4
34690	660	2	5.73	64	8	24	18	3.08	<15	1.59	25	27	0.64	532	<4
34691	851	1	3.79	68	11	35	15	4.27	<15	1.35	26	21	0.59	763	<4
34692	636	1	5.50	59	7	27	19	3.17	<15	1.52	25	26	0.95	615	<4
34693	529	2	6.80	88	4	22	19	3.50	<15	1.72	43	23	1.33	504	<4
34694	480	3	1.24	125	12	31	26	4.77	<15	1.87	61	22	0.89	1009	<4
34695	579	1	2.74	73	7	36	15	2.61	17	1.60	30	19	0.57	498	<4
34696	342	2	5.55	99	21	50	45	6.45	<15	1.07	36	36	1.88	1111	<4
34697	505	4	2.93	95	22	54	37	6.59	<15	1.25	36	55	1.68	1318	<4
34698	160	2	5.89	72	32	52	34	11.87	<15	0.47	20	34	1.99	2037	<4
34699	420	1	6.11	49	7	37	30	2.53	<15	1.02	19	21	0.60	366	<4
34700	628	1	2.39	66	10	37	12	4.19	28	1.16	26	30	0.52	619	<4
35151	451	2	0.51	155	9	59	21	7.30	<15	1.49	64	18	0.38	762	<4
35152	488	3	0.90	150	10	25	23	3.09	<15	1.49	62	22	0.68	557	4
35153	460	2	0.72	129	8	38	20	4.42	<15	1.37	56	19	0.50	629	<4
35154	421	2	4.72	117	9	38	30	5.50	<15	1.01	50	18	1.44	615	<4
35155	417	2	1.44	148	14	46	24	8.42	<15	1.01	75	13	0.87	926	<4
35156	495	2	1.25	97	11	28	60	5.20	<15	1.08	44	13	0.75	556	4
35157	381	2	1.99	128	13	41	36	14.17	<15	1.32	53	12	0.47	1203	6
35158	412	1	6.13	54	9	35	33	2.91	<15	1.16	23	20	1.52	494	<4
35159	510	2	0.85	160	6	20	18	4.48	<15	1.91	71	18	0.31	638	<4
35160	410	1	5.24	65	13	53	30	4.55	<15	1.15	26	17	1.51	947	<4
35161	489	2	1.30	129	13	54	31	8.19	<15	1.47	62	16	0.77	735	<4
35162	401	1	8.06	40	6	26	24	2.11	<15	0.97	20	19	1.49	358	<4
35163	465	1	6.62	39	6	27	22	2.08	<15	1.27	18	30	1.05	321	<4
35164	391	1	8.25	57	8	30	19	3.10	<15	1.18	24	26	0.92	387	<4
35165	499	2	1.70	123	12	36	50	5.06	<15	1.83	57	21	0.96	622	5
35166	436	2	5.47	67	12	38	45	3.25	15	1.59	28	34	1.31	522	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
34660	0.98	9	40	813	19	9	550	5	5205	143	11	90	103
34661	1.00	13	20	631	24	6	399	7	4269	114	15	88	75
34663	0.73	6	21	597	<10	6	332	6	2700	62	12	63	65
34664	0.75	10	28	626	29	5	337	4	6035	182	14	99	109
34665	0.87	8	24	668	14	6	553	5	4118	128	10	68	77
34666	0.79	10	21	620	13	5	461	3	3154	77	12	57	67
34667	0.83	8	23	629	15	5	431	5	3973	107	12	66	75
34668	0.83	7	17	716	16	5	369	4	2907	65	11	60	66
34669	0.51	12	20	492	21	4	278	8	2636	62	13	61	60
34670	0.97	10	16	630	<10	5	488	2	4013	100	11	70	74
34671	0.91	10	18	658	22	5	494	6	3542	84	11	62	69
34672	0.48	9	21	479	26	4	292	7	1967	49	12	66	49
34673	0.53	11	20	511	18	4	296	5	2206	51	13	65	52
34674	0.59	10	19	382	21	4	245	6	2524	59	13	61	60
34675	0.58	9	23	631	22	5	299	8	2114	50	14	68	56
34677	1.03	7	11	647	25	4	260	7	2210	54	12	57	56
34678	1.06	9	10	620	32	4	264	7	2238	52	12	57	64
34679	1.22	10	11	364	21	4	283	<2	3518	90	11	61	62
34680	1.08	5	9	331	<10	4	267	2	2129	51	10	44	52
34681	1.24	10	11	463	20	4	258	8	2000	42	11	35	57
34682	0.95	10	18	556	18	5	329	7	2961	79	12	63	67
34683	1.03	10	13	376	19	4	214	4	2967	74	11	52	66
34684	1.10	9	8	441	27	4	261	4	2392	57	11	45	60
34685	1.25	9	9	485	12	4	252	4	3294	72	12	54	70
34686	1.13	14	9	515	15	4	187	14	3240	75	21	52	98
34687	1.26	12	8	683	25	5	215	7	2627	55	20	60	71
34688	1.14	17	10	728	24	5	175	22	4195	98	27	60	158
34689	1.24	9	10	517	30	4	258	13	2919	72	16	51	66
34690	1.13	12	11	569	23	5	245	<2	3320	81	16	56	63
34691	1.22	14	10	494	26	4	333	<2	4960	136	14	80	72
34692	1.09	9	8	706	31	5	266	13	3444	90	15	67	65
34693	1.07	12	10	781	43	4	154	58	2259	50	21	62	58
34694	2.00	17	15	635	58	11	125	74	5465	143	35	92	49
34695	1.11	13	13	304	24	4	567	12	3367	76	16	62	70
34696	0.94	17	21	1971	37	19	148	14	7683	161	40	128	57
34697	1.29	24	33	1062	14	20	123	<2	7317	134	32	134	57
34698	1.06	14	10	10140	<10	28	127	<2	18197	246	39	158	27
34699	0.57	9	14	408	23	5	180	4	2558	65	11	83	51
34700	0.84	13	14	391	13	5	275	2	5306	133	12	74	68
35151	1.15	27	13	696	34	6	110	53	7523	142	53	95	56
35152	1.18	16	14	936	32	8	150	19	3335	61	43	88	40
35153	1.06	22	12	659	22	6	135	47	5622	93	41	75	46
35154	0.75	23	16	1135	107	6	189	16	5462	119	33	113	36
35155	1.16	30	14	1742	70	9	196	31	6773	217	30	110	36
35156	1.00	24	12	1392	52	7	220	19	5140	123	24	101	26
35157	0.85	56	14	820	240	5	141	16	9629	281	30	304	35
35158	0.81	11	19	899	22	7	226	7	2907	59	21	54	38
35159	1.41	48	4	921	30	5	160	19	5457	86	37	95	45
35160	0.96	12	21	663	16	12	225	6	7374	125	23	101	36
35161	1.18	27	18	1520	33	8	202	30	5790	217	28	88	34
35162	0.74	11	15	474	19	4	331	4	2416	50	12	82	43
35163	1.07	10	14	441	22	4	439	4	2211	52	11	60	45
35164	0.88	12	18	488	18	4	414	<2	2812	67	17	64	38
35165	1.58	23	15	1414	25	8	240	49	4952	134	25	75	37
35166	1.04	12	26	1087	24	8	242	8	3234	69	20	95	42

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
35167	M	35	32.679	106.463	2	15	07/26/77	17	38.0	35.3			7.8	150
35168	M	35	32.671	106.459	2	12	07/26/77	17	37.0					
35169	M	35	32.656	106.452	2	12	07/26/77	17	36.0					
35170	M	35	32.744	106.464	2	15	07/26/77	14	37.0					
35171	M	35	32.739	106.463	2	15	07/26/77	14	39.0					
35172	M	35	32.732	106.464	2	15	07/26/77	16	39.0					
35173	M	35	32.390	106.727	2	15	05/27/77	15	23.0					
35174	M	35	32.443	106.729	2	15	05/27/77	13	24.0					
35175	M	35	32.471	106.734	2	15	05/27/77	15	26.0					
35176	M	35	32.651	106.449	2	15	07/26/77	18	36.0					
35177	M	35	32.642	106.444	2	15	07/26/77	18	36.0					
35178	M	35	32.495	106.682	2	15	05/27/77	15	25.0					
35179	M	35	32.851	106.537	2	15	06/01/77	12	29.0					
35180	M	35	32.851	106.554	2	15	06/01/77	12	28.0					
35181	M	35	32.849	106.571	2	15	06/01/77	12	28.0					
35182	M	35	32.850	106.586	2	15	06/01/77	12	28.0					
35183	M	35	32.841	106.600	2	15	06/01/77	12	30.0					
35184	M	35	32.833	106.606	2	15	06/01/77	12						
35185	M	35	32.864	106.547	2	15	06/01/77	13	30.0					
35186	M	35	32.871	106.568	2	15	06/01/77	13	30.0					
35187	M	35	32.873	106.576	2	15	06/01/77	14	35.0					
35188	M	35	32.869	106.577	2	15	06/01/77	14	35.0					
35189	M	35	32.877	106.504	2	15	06/01/77	14	38.0					
35190	M	35	32.906	106.515	2	15	06/01/77	14	38.0					
35191	M	35	32.930	106.528	2	15	06/01/77	14	38.0					
35192	M	35	32.987	106.554	2	15	06/01/77	14	39.0					
35193	M	35	32.974	106.558	2	15	06/01/77	14	39.0					
35194	M	35	32.957	106.560	2	15	06/01/77	14						
35195	M	35	32.828	106.509	2	15	06/01/77	15	39.0					
35196	M	35	32.815	106.503	2	15	06/01/77	15	39.0					
35197	M	35	32.798	106.521	2	15	06/01/77	15	39.0					
35198	M	35	32.787	106.503	2	15	06/01/77	14	39.0					
35199	M	35	32.772	106.509	2	15	06/01/77	15	40.0					
35200	M	35	32.769	106.509	2	15	06/01/77	15	40.0					
35201	M	35	32.755	106.509	2	15	06/01/77	15	39.0					
35202	M	35	32.750	106.508	2	15	06/01/77	15	39.0					
35203	M	35	32.957	106.745	2	15	06/10/77	10	30.0					
35204	M	35	32.934	106.748	2	15	06/10/77	10	30.0					
35205	M	35	32.986	106.736	2	15	06/10/77	10	30.0					
35206	M	35	32.869	106.734	2	15	06/10/77	10	30.0					
35207	M	35	32.889	106.712	2	15	06/10/77	11	31.0					
35208	M	35	32.902	106.672	2	15	06/10/77	11	30.0					
35209	M	35	32.904	106.688	2	15	06/10/77	11	31.0					
35210	M	35	32.913	106.669	2	15	06/10/77	11	31.0					
35211	M	35	32.921	106.642	2	15	06/10/77	11	30.0					
35212	M	35	32.927	106.638	2	15	06/10/77	11	31.0					
35213	M	35	32.923	106.647	2	15	06/10/77	11	31.0					
35214	M	35	32.960	106.697	2	15	06/10/77	11	32.0					
35215	M	35	32.970	106.697	2	15	06/10/77	11	32.0					
35216	M	35	32.980	106.698	2	15	06/10/77	11	32.0					
35217	M	35	32.986	106.714	2	15	06/10/77	11	32.0					
35218	M	35	32.995	106.717	2	15	06/10/77	12	32.0					
35219	M	35	32.990	106.726	2	15	06/10/77	12	32.0					
35220	M	35	32.976	106.723	2	15	06/10/77	12	32.0					
35221	M	35	32.964	106.716	2	15	06/10/77	12	32.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
35167	1	55	3	4	4	6			2	2	3.40	<2	4.21	18
35168	1	41	1	6	4	6	1	4	2	1	2.80	<2	4.57	23
35169	1	50	1	6	4	6			2	2	4.10	<2	4.30	22
35170	1	55	1	6	4	6			2	2	3.90	<2	4.36	13
35171	1	97	1	6	4	6			2	2	2.90	<2	5.42	20
35172	1	55	1	6	4	6			2	2	3.40	<2	4.92	17
35173	1	37	1	6	4	6			2	2	6.00	<2	4.21	10
35174	1	29	1	4	4	4			3	2	2.90	<2	6.55	18
35175	1	27	1	6	4	6			2	1	3.50	<2	5.20	13
35176	1	63	1	6	4	6			2	1	2.70	<2	4.77	18
35177	1	55	1	6	4	6			3	2	2.80	<2	4.79	17
35178	1	18	1	1	1	1			2	2	3.40	<2	6.55	35
35179	1	37	2	8	4	6			3	1	2.60	<2	6.03	12
35180	1	55	1	7	4	7			4	1	3.20	<2	4.77	19
35181	1	19	1	6	3	6			4	1	2.50	<2	3.24	12
35182	1	55	1	7	4	7			5	1	3.30	<2	4.26	17
35183	1	27	1	6	4	6			3	1	3.30	<2	4.10	20
35184	1	55	1	7	4	6			5	1	3.70	<2	4.50	18
35185	1	19	1	6	4	6			3	1	7.50	<2	4.84	14
35186	1	74	1	3	4	6			5	1	3.20	<2	4.36	17
35187	1	18	1	6	4	6			3	1	2.90	<2	4.15	16
35188	1	18	1	6	4	6			3	1	3.00	<2	4.41	21
35189	1	18	1	6	4	6			2	1	3.80	<2	3.80	15
35190	1	18	1	6	4	6			2	1	3.10	<2	4.48	20
35191	1	19	1	6	4	6			3	1	3.10	<2	4.61	26
35192	1	37	1	1	5	1			2	1	3.20	<2	4.64	14
35193	1	37	1	6	4	6			3	1	3.20	<2	4.69	23
35194	1	37	1	6	5	6			3	1	2.60	<2	6.38	<10
35195	1	74	1	6	4	6			3	1	3.90	<2	3.67	<10
35196	1		1	6	4	6			3	1	3.70	<2	3.62	12
35197	1	74	1	7	4	7			3	1	3.70	<2	3.64	<10
35198	1	74	1	6	4	6			4	1	3.60	<2	3.50	<10
35199	1	37	1	6	4	6			3	1	3.00	<2	3.76	14
35200	1	27	1	6	4	6			3	1	2.50	<2	3.87	14
35201	1	74	1	6	4	6			3	1	2.80	<2	6.31	15
35202	1	74	1	6	4	6			3	1	3.00	<2	5.07	11
35203	3	4	1	7	4	6			3	1	3.10	<2	2.84	14
35204	3	9	1	7	4	4			3	1	2.20	<2	3.65	10
35205	3	13	1	7	4	4			3	1	2.80	<2	4.22	12
35206	3	18	1	7	4	4			3	1	2.60	<2	4.20	11
35207	1	9	1	7	4	4			3	1	2.70	<2	3.34	<10
35208	1	13	1	4	4	4			3	1	2.60	<2	4.83	24
35209	1	9	1	4	4	4			3	1	2.70	<2	4.81	22
35210	1	18	1	4	4	4			4	1	2.80	<2	4.54	21
35211	1	9	1	7	4	7			4	1	3.20	<2	4.80	24
35212	1	23	1	7	4	7			4	1	3.30	<2	4.64	21
35213	1	18	1	7	4	7			4	1	3.30	<2	4.94	31
35214	1	18	1	7	4	7			3	1	2.30	<2	3.54	26
35215	1	9	1	7	4	7			4	1	2.40	<2	3.59	24
35216	1	20	1	7	4	7			4	1	2.40	<2	3.66	24
35217	1	13	1	7	4	7			4	1	2.40	<2	3.55	22
35218	1	13	1	7	4	7			4	1	2.50	<2	3.57	22
35219	1	9	1	7	4	7			4	1	2.40	<2	3.68	23
35220	1	11	1	7	4	7			4	1	2.30	<2	3.55	22
35221	1	9	1	7	4	7			4	1	2.30	<2	3.61	21

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
35167	383	1	7.27	56	6	27	19	2.25	<15	1.26	24	19	1.57	380	<4
35168	369	1	7.59	36	6	27	32	1.95	<15	1.23	15	26	1.25	357	<4
35169	382	1	6.90	48	6	30	18	2.65	<15	1.25	20	31	1.42	422	<4
35170	421	1	4.29	58	12	44	18	3.72	<15	1.22	25	15	1.24	607	<4
35171	456	1	6.33	54	9	33	36	2.61	<15	1.43	23	28	1.15	450	<4
35172	449	1	5.32	59	8	32	21	2.65	<15	1.40	24	22	1.13	439	<4
35173	429	1	1.10	133	13	51	19	6.25	<15	1.25	61	20	0.40	917	<4
35174	533	2	0.79	59	6	27	21	2.50	<15	2.05	28	34	0.53	355	<4
35175	518	1	0.72	66	6	29	16	2.57	18	1.73	29	20	0.34	397	<4
35176	446	1	5.30	43	6	24	21	2.14	<15	1.58	17	21	1.33	329	<4
35177	447	1	5.28	59	9	23	21	2.69	<15	1.52	23	20	1.57	426	<4
35178	454	2	5.11	82	8	39	34	2.81	<15	1.77	36	42	1.09	502	<4
35179	443	1	2.31	68	18	59	42	4.94	<15	1.22	23	16	1.11	788	<4
35180	344	1	7.11	36	7	36	25	2.24	<15	0.99	15	31	1.07	346	<4
35181	269	1	10.60	31	5	29	21	1.75	<15	0.88	13	18	1.79	330	<4
35182	360	1	5.77	51	8	33	19	2.35	<15	0.88	21	24	0.79	356	<4
35183	399	1	3.60	51	8	33	17	2.64	<15	1.03	22	23	0.58	376	<4
35184	367	1	7.75	38	8	38	24	2.38	<15	0.87	16	28	1.01	364	<4
35185	357	1	3.46	60	18	54	37	5.40	<15	1.14	21	18	1.09	1004	<4
35186	329	1	7.84	42	8	36	27	2.32	<15	0.98	16	25	1.34	384	<4
35187	328	1	9.62	36	7	35	22	1.96	<15	0.89	15	25	1.51	330	<4
35188	316	1	9.48	35	6	36	29	2.01	<15	0.96	13	29	1.54	334	<4
35189	352	1	4.40	51	10	42	18	3.58	17	0.97	20	16	0.98	559	<4
35190	337	1	7.32	42	8	35	18	2.41	<15	1.06	17	23	1.29	379	<4
35191	344	1	7.67	50	9	39	21	2.51	<15	1.11	20	24	1.32	409	<4
35192	331	1	7.92	45	8	38	20	2.40	<15	1.06	18	26	1.39	391	<4
35193	326	1	8.02	47	9	39	21	2.40	<15	1.15	19	26	1.39	392	<4
35194	379	1	3.06	61	16	39	28	4.67	<15	1.07	23	19	1.16	686	<4
35195	317	1	4.61	51	12	57	19	5.17	15	0.83	20	16	0.99	766	<4
35196	308	1	4.07	61	14	67	20	6.25	<15	0.90	22	16	0.96	910	<4
35197	321	1	3.47	60	13	56	21	5.18	<15	0.92	23	15	0.93	798	<4
35198	308	1	3.25	73	15	66	23	6.36	26	0.88	29	14	0.87	897	<4
35199	333	1	6.65	29	7	29	12	2.22	<15	0.97	11	19	0.84	347	<4
35200	363	1	5.85	34	7	29	14	2.14	<15	0.99	14	17	0.85	345	<4
35201	410	1	4.32	62	14	47	34	4.00	<15	1.43	24	26	1.42	673	<4
35202	366	1	3.22	61	16	50	21	4.93	<15	1.15	22	15	1.14	819	<4
35203	368	1	2.85	63	6	39	13	3.31	<15	1.05	27	14	0.29	426	<4
35204	445	1	2.37	38	5	28	12	2.24	<15	1.35	15	17	0.28	290	<4
35205	452	1	1.40	42	5	33	14	2.54	<15	1.38	18	20	0.34	327	<4
35206	450	2	1.34	51	5	28	13	2.24	<15	1.44	21	20	0.32	287	<4
35207	432	1	2.71	36	4	23	12	1.83	<15	1.13	15	14	0.29	244	<4
35208	480	1	4.68	44	6	31	15	2.01	<15	1.20	17	22	0.66	316	<4
35209	485	1	4.67	47	7	32	14	2.12	<15	1.14	20	21	0.67	329	<4
35210	462	1	4.51	50	7	34	14	2.13	<15	0.99	21	16	0.69	336	<4
35211	387	1	6.56	46	8	35	21	2.30	<15	1.06	18	28	1.06	364	<4
35212	375	1	6.31	48	8	35	20	2.30	<15	1.03	18	27	1.00	356	<4
35213	412	1	5.88	47	8	35	19	2.29	<15	1.20	18	30	0.98	354	<4
35214	358	1	7.92	37	5	23	12	1.43	<15	1.07	13	20	0.74	229	<4
35215	361	1	7.94	31	4	22	12	1.46	17	1.10	13	20	0.75	229	<4
35216	366	1	8.08	29	4	22	11	1.42	<15	1.15	13	21	0.75	226	<4
35217	362	1	7.98	34	5	22	12	1.43	<15	1.06	15	19	0.74	228	<4
35218	358	1	7.98	31	4	22	11	1.43	<15	1.11	15	20	0.73	224	<4
35219	366	1	8.23	32	4	22	13	1.46	<15	1.15	13	21	0.77	233	<4
35220	365	1	8.39	38	5	24	13	1.45	<15	1.03	15	19	0.77	233	<4
35221	363	1	8.19	31	5	23	12	1.49	<15	1.09	13	20	0.76	235	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
35167	0.92	12	15	632	15	5	215	8	3024	54	21	60	38
35168	0.98	9	11	617	17	5	274	2	2036	45	14	67	37
35169	0.96	10	15	1069	13	6	238	2	3870	68	17	62	43
35170	1.08	13	19	815	26	8	181	5	6216	110	23	72	44
35171	1.05	11	20	842	22	7	281	5	2971	61	19	81	48
35172	1.09	10	16	866	13	7	224	8	4079	70	19	67	45
35173	0.77	29	17	260	33	5	157	12	8881	192	23	115	112
35174	1.16	13	14	315	10	5	175	4	2783	61	13	73	63
35175	1.35	19	9	251	16	4	194	9	3504	71	13	73	54
35176	1.17	8	12	1005	13	5	212	5	2825	52	14	61	37
35177	1.16	9	12	2392	21	6	190	4	3998	63	22	68	37
35178	0.72	11	24	788	20	7	221	10	2577	68	21	94	53
35179	1.55	8	22	431	17	12	158	6	6092	141	18	81	23
35180	0.95	8	17	486	<10	5	399	<2	2147	55	11	68	35
35181	0.48	8	13	367	14	4	216	3	2036	47	10	61	34
35182	0.95	12	17	415	29	5	363	10	2476	60	10	60	37
35183	0.97	12	15	327	17	4	276	8	3204	71	10	61	43
35184	0.97	9	20	533	11	5	480	12	2585	61	11	67	41
35185	1.05	15	24	331	19	10	162	9	10739	165	28	92	42
35186	0.84	9	20	562	18	5	282	7	2481	61	12	80	36
35187	0.67	11	16	488	27	5	310	6	1830	49	11	64	34
35188	0.64	7	20	513	17	5	309	8	1853	50	11	70	33
35189	0.93	11	19	317	<10	6	217	6	5551	103	13	67	44
35190	0.89	8	18	513	10	6	278	4	2622	65	14	55	35
35191	0.80	9	21	581	25	6	289	7	2580	67	15	66	36
35192	0.82	9	21	569	14	6	288	2	2341	63	14	67	34
35193	0.82	10	17	573	20	6	291	7	2310	63	14	70	33
35194	1.42	8	24	429	<10	17	217	<2	6953	162	22	68	39
35195	0.91	16	20	363	17	7	232	6	8424	140	15	74	53
35196	0.94	16	20	340	11	7	207	3	10930	172	17	93	68
35197	0.97	13	17	333	19	7	187	7	9257	144	18	81	46
35198	0.90	15	20	314	22	8	175	<2	11051	178	17	87	65
35199	0.95	6	14	335	<10	5	361	<2	2850	61	11	42	30
35200	0.99	6	14	321	12	5	281	6	2667	57	11	45	29
35201	1.34	10	22	779	23	11	220	4	4216	102	21	80	30
35202	1.38	10	20	522	<10	11	173	<2	8443	134	22	71	30
35203	0.58	12	10	173	19	3	139	11	4651	101	11	65	72
35204	0.76	9	9	176	<10	3	145	<2	3068	66	8	45	45
35205	0.81	9	11	185	<10	4	144	<2	3277	72	10	54	55
35206	0.84	8	10	193	20	3	140	4	2986	62	9	47	51
35207	0.70	8	7	187	<10	3	158	3	2626	55	9	41	43
35208	1.15	9	18	292	<10	5	232	6	2187	56	10	45	44
35209	1.04	10	16	308	10	5	229	10	2309	59	10	41	48
35210	0.97	10	17	321	17	5	235	8	2411	60	10	44	49
35211	0.82	10	19	444	19	5	287	6	2292	61	10	51	42
35212	0.83	10	18	404	14	5	280	5	2396	61	11	48	47
35213	0.88	11	17	395	12	5	267	3	2376	61	10	45	45
35214	0.61	10	11	341	10	3	335	7	1719	41	8	33	43
35215	0.63	5	13	332	18	3	349	4	1752	42	8	37	42
35216	0.66	8	11	353	10	3	347	2	1744	41	8	34	41
35217	0.60	9	10	343	12	3	337	4	1674	41	8	35	40
35218	0.63	7	9	348	<10	3	335	4	1668	39	8	34	42
35219	0.65	8	13	371	<10	3	354	3	1819	41	9	37	44
35220	0.58	11	11	349	<10	3	348	11	1673	41	9	36	43
35221	0.62	6	8	353	<10	3	352	6	1764	42	8	36	42

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	COMM	MEAS	PH	CT-F
35222	M	35	32.932	106.693	2	15	06/10/77	13	33.0					
35223	M	35	32.915	106.691	2	15	06/10/77	13	32.0					
35224	M	35	32.892	106.684	2	15	06/10/77	13	33.0					
35225	M	35	32.892	106.682	2	15	06/10/77	13	31.0					
35226	M	35	32.870	106.671	2	15	06/10/77	13	33.0					
35227	M	35	32.854	106.672	2	15	06/10/77	13	33.0					
35228	M	35	32.861	106.666	2	15	06/10/77	14	33.0					
35229	M	35	32.851	106.665	2	15	06/10/77	14	33.0					
35230	M	35	32.855	106.653	2	15	06/10/77	14	33.0					
35231	M	35	32.859	106.654	2	15	06/10/77	14	33.0					
35232	M	35	32.870	106.643	2	15	06/10/77	15	33.0					
35233	M	35	32.877	106.629	2	15	06/10/77	15	34.0					
35234	M	35	32.869	106.625	2	15	06/10/77	15	34.0					
35235	M	35	32.861	106.617	2	15	06/10/77	15	34.0					
35236	M	35	32.843	106.677	2	15	06/10/77	16	30.0					
35237	M	35	32.821	106.689	2	15	06/10/77	16	32.0					
35238	M	35	32.804	106.683	2	15	06/10/77	16	33.0					
35239	M	35	32.807	106.737	2	15	06/10/77	16	33.0					
35240	M	35	32.796	106.666	2	15	06/10/77	16	33.0					
35241	M	35	32.566	106.616	2	15	06/02/77	9	20.0					
35242	M	35	32.563	106.601	2	15	06/02/77	9	20.0					
35243	M	35	32.555	106.598	2	15	06/02/77	9	22.0					
35244	M	35	32.570	106.579	2	15	06/02/77	9	22.0					
35245	M	35	32.572	106.568	2	15	06/02/77	10	24.0					
35246	M	35	32.569	106.560	2	15	06/02/77	10	22.0					
35247	M	35	32.566	106.562	2	15	06/02/77	10	22.0					
35248	M	35	32.556	106.568	2	15	06/02/77	10	24.0					
35249	M	35	32.541	106.568	2	15	06/02/77	11	23.0					
35250	M	35	32.526	106.565	2	15	06/02/77	10	25.0					
35251	M	35	32.527	106.520	2	15	06/02/77	11	28.0					
35252	M	35	32.527	106.531	2	15	06/02/77	11	28.0					
35253	M	35	32.524	106.541	2	15	06/02/77	11	30.0					
35254	M	35	32.527	106.542	2	15	06/02/77	11	30.0					
35255	M	35	32.522	106.550	2	15	06/02/77	11	30.0					
35256	M	35	32.517	106.559	2	15	06/02/77	11	30.0					
35257	M	35	32.532	106.577	2	15	06/02/77	11	30.0					
35258	M	35	32.526	106.589	2	15	06/02/77	12	30.0					
35259	M	35	32.509	106.608	2	15	06/02/77	12	32.0					
35260	M	35	32.627	106.434	2	15	06/02/77	18	35.0					
35261	M	35	32.578	106.612	2	15	06/02/77	9	30.0					
35262	M	35	32.594	106.613	2	15	06/02/77	9	30.0					
35263	H	35	32.597	106.594	2	97	06/02/77	9	30.0					
35264	M	35	32.601	106.595	2	15	06/02/77	9	30.0					
35265	M	35	32.619	106.540	2	15	06/02/77	9	29.0					
35266	M	35	32.616	106.539	2	15	06/02/77	9	29.0					
35267	M	35	32.614	106.567	2	15	06/02/77	9	30.0					
35268	M	35	32.611	106.599	2	15	06/02/77	9	30.0					
35269	M	35	32.620	106.602	2	15	06/02/77	10	30.0					
35270	M	35	32.635	106.608	2	15	06/02/77	10	30.0					
35271	H	35	32.647	106.614	2	97	06/02/77	10	30.0					
35272	M	35	32.637	106.632	2	15	06/02/77	10	30.0					
35273	H	35	32.641	106.646	2	97	06/02/77	10	30.0					
35274	M	35	32.647	106.652	2	15	06/02/77	10	30.0					
35275	H	35	32.622	106.630	2	97	06/02/77	11	31.0					
35276	H	35	32.607	106.638	2	97	06/02/77	11	31.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
35222	1	13	1	4	4	4			4	1	2.80	<2	5.15	31
35223	1	19	1	4	4	4			4	1	2.70	<2	3.49	16
35224	1	18	1	4	4	4			4	1	2.70	<2	5.07	27
35225	1	20	1	7	4	7			4	1	2.60	<2	3.69	28
35226	1	18	1	4	4	4			3	1	1.70	<2	2.59	10
35227	1	13	1	7	4	7			3	1	2.20	<2	3.38	<10
35228	1	18	1	4	4	4			3	1	3.20	<2	4.46	25
35229	1	13	1	7	4	6			3	1	3.70	<2	3.71	13
35230	1	13	1	7	4	6			3	1	3.50	<2	3.60	12
35231	1	13	1	7	4	6			4	1	3.60	<2	3.65	15
35232	1	13	1	7	4	6			4	1	2.90	<2	4.16	10
35233	1	13	1	7	4	6			4	1	3.30	<2	4.29	14
35234	1	9	1	7	4	6			4	1	3.40	<2	3.68	11
35235	1	13	1	7	4	7			4	1	2.90	<2	4.41	<10
35236	1	18	1	4	4	4			2	2	2.60	<2	4.52	17
35237	1	4	1	4	4	4			3	1	2.80	<2	4.31	14
35238	1	13	1	4	4	4			3	1	2.70	<2	4.13	15
35239	1	9	1	4	4	4			3	1	2.70	<2	4.31	15
35240	1	9	1	4	4	4			3	1	2.90	<2	4.30	12
35241	1	27	1	6	4	6			2	1	2.80	<2	4.71	18
35242	1	37	1	6	4	6			2	1	2.60	<2	4.91	17
35243	1	27	1	6	4	6			2	1	2.80	<2	4.91	21
35244	1	27	1	7	4	6			4	1	2.90	<2	5.02	23
35245	1	46	1	6	4	6			3	1	2.70	<2	5.44	21
35246	1	74	1	7	3	7			4	1	2.70	<2	4.84	23
35247	1	37	1	7	3	7			4	1	2.80	<2	4.34	<10
35248	1	37	1	6	4	6			3	1	3.70	<2	4.94	29
35249	1	18	1	7	3	4			4	1	2.60	<2	4.95	23
35250	1		1	6	4	6			3	1	3.70	<2	5.07	27
35251	1	27	1	7	3	7			4	1	5.20	<2	4.44	<10
35252	1	9	1	6	4	6			4	1	3.00	<2	5.05	22
35253	1	37	1	4	5	4			4	1	3.80	<2	6.84	36
35254	1	27	1	6	4	7			3	1	3.20	<2	4.49	26
35255	1	27	1	7	4	7			4	1	3.10	<2	4.51	24
35256	1	37	1	6	4	7			3	1	4.00	<2	4.60	21
35257	1	27	1	4	3	4			4	1	3.10	<2	4.02	24
35258	1	37	1	7	4	7			2	1	3.00	<2	4.57	14
35259	1	37	1	7	5	6			3	1	3.10	<2	4.69	14
35260	1	55	1	6	4	6			2	2	3.10	<2	6.19	14
35261		16	1	1	5	6			1	1	2.50	<2	4.92	21
35262		8	1	1	5	6			1	1	2.60	<2	5.07	24
35263		13	1	1	5	6			1	1	2.50	<2	4.92	24
35264		5	1	1	5	6			1	1	2.30	<2	4.38	17
35265		13	1	1	4	6			4	1	5.20	<2	4.27	26
35266		8	1	1	4	6			4	1	3.10	<2	4.69	13
35267		7	1	7	4	6			4	1	3.60	<2	5.03	36
35268		12	1	1	4	6			1	1	2.60	<2	4.54	18
35269		12	1	1	5	6			1	1	2.60	<2	4.52	14
35270		11	1	1	5	6			1	1	3.80	<2	4.32	17
35271		13	1	1	5	6			1	1	3.30	<2	4.86	22
35272		8	1	1	5	6			1	1	2.70	<2	5.54	21
35273		5	1	1	5	6			1	1	2.80	<2	5.44	22
35274		9	1	1	5	6			1	1	2.40	<2	4.54	16
35275		9	1	1	5	6			1	1	3.10	<2	5.21	30
35276		13	1	1	5	6			1	1	2.80	<2	5.44	25

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
35222	408	1	6.64	38	8	38	19	2.35	<15	1.14	18	28	1.05	362	<4
35223	474	1	3.70	40	6	28	10	2.25	24	1.06	17	17	0.55	333	<4
35224	465	1	3.39	41	6	31	17	2.13	<15	1.38	16	26	0.80	331	<4
35225	360	1	7.79	36	5	23	13	1.49	<15	1.07	15	21	0.84	247	<4
35226	255	1	8.70	25	<4	19	8	0.97	<15	0.76	8	19	0.79	147	<4
35227	780	1	6.79	27	4	20	10	1.38	<15	1.01	11	19	0.80	213	<4
35228	450	1	2.34	50	7	34	18	2.62	<15	1.31	20	23	0.61	378	<4
35229	418	1	1.55	59	9	39	13	4.03	<15	1.17	26	17	0.39	527	<4
35230	417	1	1.55	71	9	41	12	4.08	<15	1.08	32	15	0.40	522	<4
35231	429	1	1.93	64	9	40	14	4.05	<15	1.09	26	16	0.43	533	<4
35232	393	1	5.10	39	7	31	15	2.56	<15	0.92	16	22	0.64	369	<4
35233	374	1	5.10	33	7	32	17	2.81	<15	1.05	12	26	0.67	418	<4
35234	381	1	4.60	42	9	36	15	3.41	<15	0.89	16	20	0.63	521	<4
35235	394	1	5.10	37	7	28	14	2.15	<15	1.02	15	25	0.64	326	<4
35236	447	1	2.24	43	7	32	13	2.73	<15	1.39	18	22	0.47	365	<4
35237	444	1	2.05	39	6	30	13	2.56	<15	1.38	16	21	0.43	326	<4
35238	434	1	1.96	38	6	28	11	2.17	<15	1.34	15	20	0.41	286	<4
35239	440	1	1.54	48	6	31	12	2.75	<15	1.36	19	21	0.43	356	<4
35240	459	1	2.04	42	7	30	12	2.34	<15	1.29	17	20	0.45	313	<4
35241	445	1	4.98	39	5	27	16	1.95	<15	1.36	18	24	0.64	293	<4
35242	455	1	5.17	36	5	25	16	1.84	<15	1.48	16	27	0.62	319	<4
35243	455	1	6.52	34	5	26	16	1.95	<15	1.31	14	25	0.60	301	<4
35244	428	1	5.78	41	6	30	23	2.20	16	1.39	15	28	0.76	314	4
35245	420	1	6.59	34	6	32	21	2.18	<15	1.41	14	32	1.02	408	<4
35246	373	1	7.92	38	6	32	24	2.05	<15	1.21	14	30	1.00	305	<4
35247	357	1	8.81	32	5	30	17	1.92	<15	1.05	13	25	0.92	288	<4
35248	420	1	5.55	47	7	37	17	2.50	16	1.37	19	27	0.83	344	<4
35249	436	1	6.15	35	5	31	21	1.83	<15	1.22	12	31	1.04	276	<4
35250	464	1	4.09	58	6	35	17	2.53	<15	1.39	24	24	0.87	391	<4
35251	1524	1	9.51	51	6	24	17	2.00	16	1.24	21	23	0.92	387	<4
35252	459	1	3.92	56	9	35	17	2.67	<15	1.46	22	27	0.61	457	<4
35253	500	2	1.95	59	10	49	20	3.24	19	1.54	26	45	0.97	477	<4
35254	386	1	5.84	37	6	32	20	2.22	<15	1.28	15	31	0.99	345	<4
35255	371	1	6.50	33	5	27	15	1.81	<15	1.36	14	28	1.05	287	<4
35256	380	1	6.67	43	7	31	19	2.32	<15	1.33	17	27	1.21	369	4
35257	392	1	5.06	35	5	24	12	1.59	<15	1.10	15	22	0.65	231	<4
35258	471	1	5.29	41	5	24	17	2.04	<15	1.46	17	20	0.73	283	<4
35259	477	1	4.89	48	4	22	14	1.81	<15	1.58	20	22	0.73	291	<4
35260	560	2	2.51	57	10	29	27	3.18	<15	1.74	23	26	1.03	476	<4
35261	476	1	5.23	46	5	28	17	1.97	<15	1.36	21	24	0.64	320	<4
35262	428	1	6.93	49	7	33	20	2.08	<15	1.32	20	25	0.83	304	<4
35263	402	1	8.47	44	6	31	18	1.92	<15	1.23	17	31	1.11	311	<4
35264	453	1	5.27	40	6	25	14	1.86	<15	1.15	18	20	0.63	311	<4
35265	302	1	10.26	30	7	52	19	2.08	<15	0.92	12	31	1.21	271	<4
35266	360	1	7.22	35	8	34	17	2.11	<15	0.92	13	27	0.77	345	<4
35267	318	1	8.62	29	7	34	23	2.25	<15	1.01	12	35	1.21	347	<4
35268	342	1	4.88	43	5	25	14	1.92	<15	1.28	18	23	0.60	302	<4
35269	440	1	6.48	37	4	24	13	1.68	<15	1.25	14	25	0.69	262	<4
35270	408	1	3.67	50	6	27	14	2.49	<15	1.25	20	23	0.59	349	<4
35271	352	1	8.18	39	7	35	19	2.11	<15	1.37	14	32	1.11	303	<4
35272	462	1	3.92	47	7	33	20	2.30	<15	1.57	21	31	0.72	370	<4
35273	430	1	5.58	36	6	33	21	2.03	<15	1.49	15	35	0.98	330	<4
35274	405	1	6.07	31	5	26	13	1.66	<15	1.34	14	26	0.75	273	<4
35275	369	1	9.02	40	7	37	21	2.24	<15	1.26	17	40	1.27	356	<4
35276	424	1	5.91	42	8	33	21	2.12	<15	1.43	17	37	1.03	350	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	T1	V	Y	ZN	ZR
35222	0.70	9	23	513	17	6	264	5	2122	58	11	53	42
35223	0.77	9	10	213	19	3	192	<2	2862	66	9	35	50
35224	0.93	8	14	339	15	5	201	5	2145	54	9	45	43
35225	0.57	8	11	357	18	3	297	8	1701	41	9	39	43
35226	0.45	7	7	196	<10	3	849	5	1057	28	5	18	26
35227	0.61	7	9	246	11	3	344	2	1708	39	7	30	37
35228	0.84	11	15	270	10	4	174	<2	3205	74	9	55	49
35229	0.89	14	13	173	<10	4	168	<2	5591	121	11	55	65
35230	0.81	14	13	182	17	4	168	9	5809	125	11	69	65
35231	0.82	16	16	196	18	4	176	10	5488	121	11	71	66
35232	1.02	10	13	307	11	4	353	5	3319	71	10	44	42
35233	1.18	8	13	324	<10	4	354	<2	3622	78	9	54	40
35234	0.88	23	14	270	17	4	316	5	4538	100	11	55	40
35235	1.13	8	14	325	10	4	366	6	2537	58	9	41	36
35236	1.01	12	13	225	11	4	187	2	3790	81	9	56	55
35237	1.00	9	11	219	16	3	178	4	3448	75	9	50	58
35238	0.95	9	11	195	16	3	169	4	2918	63	8	42	49
35239	1.00	11	10	227	14	4	174	6	3817	82	10	53	58
35240	0.92	8	10	220	13	4	180	8	3029	67	9	44	48
35241	0.92	11	11	372	21	4	237	<2	2326	52	10	46	48
35242	0.97	7	11	433	<10	4	235	2	2163	47	10	48	46
35243	0.80	7	10	365	<10	4	224	<2	2063	49	10	46	40
35244	0.92	9	14	353	17	5	248	2	2430	58	10	53	48
35245	0.86	7	17	507	12	5	279	4	2135	52	10	56	45
35246	0.81	9	11	326	17	5	350	8	2003	53	10	50	37
35247	0.75	10	12	355	11	5	347	3	1969	50	10	48	38
35248	0.97	10	16	269	13	5	307	6	2830	68	10	52	51
35249	0.81	6	15	314	11	5	237	4	1698	47	8	45	29
35250	0.93	12	16	385	26	5	189	9	2922	66	13	55	46
35251	1.03	10	13	356	24	4	382	9	1695	46	11	64	31
35252	0.90	12	15	215	20	5	184	4	3134	70	11	51	42
35253	0.85	11	22	260	24	8	147	8	2732	78	13	65	47
35254	0.77	9	15	233	15	5	169	<2	2312	58	8	45	33
35255	0.86	8	12	258	<10	4	203	<2	1922	47	9	47	31
35256	0.80	10	16	445	16	5	201	5	2388	59	14	56	32
35257	0.63	9	10	279	25	4	171	6	1934	45	9	36	39
35258	0.99	10	9	344	23	4	218	8	2434	52	10	55	47
35259	0.95	12	13	352	15	4	269	6	2258	48	11	55	50
35260	1.36	10	19	1069	24	8	206	7	3334	70	19	75	41
35261	0.85	11	10	451	22	5	225	3	2242	50	11	52	47
35262	0.75	10	13	433	28	5	272	10	2170	54	11	51	41
35263	0.76	10	14	515	15	5	327	5	1910	50	11	48	41
35264	0.94	9	11	349	21	4	270	3	2255	50	10	44	40
35265	0.71	9	29	655	13	5	816	3	1958	59	13	77	32
35266	1.10	10	19	448	12	5	307	8	2198	55	12	55	31
35267	1.17	8	22	505	<10	5	483	<2	2048	53	11	50	32
35268	1.19	10	11	340	17	4	274	7	2440	53	11	42	47
35269	1.09	9	10	387	11	4	314	<2	2016	46	10	39	38
35270	1.19	10	14	335	13	4	233	9	3230	70	11	48	45
35271	1.08	10	18	545	19	5	447	8	2144	54	11	53	40
35272	0.91	10	14	548	18	5	216	<2	2478	60	11	56	47
35273	0.94	8	17	521	15	5	286	<2	1988	52	10	52	40
35274	0.97	7	12	372	<10	4	244	6	1811	44	9	41	34
35275	0.69	12	22	615	15	6	378	4	2079	58	12	56	42
35276	0.79	9	20	602	26	6	309	8	1991	53	11	55	39

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
35277	M	35	32.597	106.614	2	15	06/02/77	11	31.0					
35278	M	35	32.591	106.582	2	15	06/02/77	11	31.0					
35279	M	35	32.594	106.575	2	15	06/02/77	11	30.0					
35280	M	35	32.591	106.573	2	15	06/02/77	11	30.0					
35281	H	35	32.711	106.441	2	13	06/02/77	19	35.0		C			
35282	M	35	32.661	106.687	2	15	06/09/77	10	30.0					
35283	H	35	32.705	106.446	2	13	06/02/77	19	36.0		C			
35284	M	35	32.657	106.669	2	15	06/09/77	11	32.0					
35285	M	35	32.677	106.627	2	15	06/09/77	11	32.0					
35286	M	35	32.674	106.609	2	15	06/09/77	11	35.0					
35287	M	35	32.669	106.609	2	15	06/09/77	11	25.0					
35288	M	35	32.658	106.612	2	15	06/09/77	11	35.0					
35289	M	35	32.657	106.584	2	15	06/09/77	12	35.0					
35290	M	35	32.694	106.597	2	15	06/09/77	12	38.0					
35291	M	35	32.678	106.574	2	15	06/09/77	12	38.0					
35292	M	35	32.674	106.566	2	15	06/09/77	12	38.0					
35293	M	35	32.676	106.557	2	15	06/09/77	12	38.0					
35294	M	35	32.681	106.584	2	15	06/09/77	12	38.0					
35295	M	35	32.692	106.586	2	15	06/09/77	13	39.0					
35296	M	35	32.708	106.592	2	15	06/09/77	13	39.0					
35297	M	35	32.717	106.576	2	15	06/09/77	13	38.0					
35298	M	35	32.714	106.573	2	15	06/09/77	13	39.0					
35299	M	35	32.710	106.571	2	15	06/09/77	13	38.0					
35300	M	35	32.723	106.574	2	15	06/09/77	14	39.0					
35301	M	35	32.732	106.567	2	15	06/09/77	14	40.0					
35302	M	35	32.735	106.564	2	15	06/09/77	14	40.0					
35303	M	35	32.736	106.564	2	15	06/09/77	14	40.0					
35304	M	35	32.715	106.579	2	15	06/09/77	15	40.0					
35305	M	35	32.740	106.582	2	15	06/09/77	15	40.0					
35306	M	35	32.698	106.590	2	15	06/09/77	15	40.0					
35307	M	35	32.699	106.611	2	15	06/09/77	15	40.0					
35308	M	35	32.706	106.613	2	15	06/09/77	15	40.0					
35309	M	35	32.724	106.621	2	15	06/09/77	15	40.0					
35310	M	35	32.639	106.624	2	15	06/09/77	16	38.0					
35311	H	35	32.695	106.445	2	14	07/26/77	20	35.0		C			
35312	H	35	32.693	106.438	2	14	07/26/77	20	35.0		C			
35313	M	35	32.606	106.429	2	15	07/27/77	9	32.0					
35314	M	35	32.600	106.429	2	15	07/27/77	9	33.0					
35315	M	35	32.527	106.693	2	15	06/09/77	18	30.0					
35316	M	35	32.593	106.404	2	15	07/27/77	10	32.0					
35501	M	35	32.369	106.477	2	15	05/24/77	7	19.0					
35502	M	35	32.355	106.470	2	15	05/24/77	7	19.0					
35503	M	35	32.349	106.469	2	15	05/24/77	7	21.0					
35504	M	35	32.337	106.427	2	15	05/24/77	7	20.0					
35505	M	35	32.338	106.428	2	15	05/24/77	7	20.0					
35506	M	35	32.336	106.429	2	15	05/24/77	7	20.0					
35507	M	35	32.349	106.397	2	15	05/24/77	8	20.0					
35508	M	35	32.362	106.426	2	15	05/24/77	8	21.0					
35509	M	35	32.325	106.461	2	15	05/24/77	9	21.0					
35510	M	35	32.378	106.442	2	15	05/24/77	9	25.0					
35511	M	35	32.354	106.412	2	15	05/24/77	9	25.0					
35512	H	35	32.390	106.375	2	95	05/24/77	9	26.0					
35513	H	35	32.410	106.419	2	97	05/24/77	10	26.0					
35514	H	35	32.432	106.423	2	96	05/24/77	10	26.0					
35515	M	35	32.452	106.432	2	15	05/24/77	10	26.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
35277		5	1	1	5	6			1	1	2.20	<2	4.43	19
35278		13	1	1	4	6			1	1	2.50	<2	4.66	16
35279		3	1	7	4	6			1	1	2.60	<2	4.61	20
35280		1	1	7	5	6			1	1	2.50	<2	4.61	24
35281	1	11	1	1	7	1			1	2	3.40	<2	0.85	10
35282	1	46	1	4	4	4			2	1	2.60	<2	5.25	12
35283	1	11	1	7	5	6			1	2	2.60	<2	1.57	12
35284	1	18	1	6	4	6			2	1	2.40	2	4.40	13
35285	1	27	1	6	4	6			2	1	2.70	<2	5.39	20
35286	1	37	1	4	4	4			3	1	2.60	<2	4.28	14
35287	1	27	1	4	4	4			3	1	3.10	<2	3.84	13
35288	1	18	1	4	4	4			3	1	2.50	<2	4.59	19
35289	1	27	1	4	4	4			3	1	2.40	<2	4.73	13
35290	1	27	1	7	4	6			4	1	3.30	<2	4.04	12
35291	1	27	1	7	4	6			4	1	4.20	<2	3.79	11
35292	1	18	1	7	5	6			4	1	5.10	<2	3.35	<10
35293	1	37	1	7	4	4			4	1	2.50	<2	4.68	16
35294	1	27	1	7	4	4			3	1	2.60	<2	4.47	17
35295	1	46	1	7	3	7			4	1	2.70	<2	5.34	10
35296	1	37	1	7	3	7			4	1	2.60	<2	5.87	11
35297		18	1	7	3	7			4	5	3.10	<2	6.00	13
35298		27	1	7	4	6					5.30	<2	4.91	10
35299	1	9	1	7	3	6			4	1	3.90	<2	5.16	<10
35300	1	55	1	7	3	4			4	2	5.90	<2	6.72	<10
35301	1	46	1	7	3	4			4	1	6.10	<2	6.68	<10
35302	1	27	1	7	3	4			4	2	7.00	<2	6.45	<10
35303	1	27	1	7	3	4			4	2	7.30	<2	6.31	<10
35304	1	18	1	7	3	4			4	2	4.90	<2	6.44	10
35305	1	37	1	6	4	1			4	2	7.80	<2	5.87	<10
35306	1	37	1	7	3	4			4	2	10.40	<2	4.41	<10
35307	1	18	1	7	3	4			4	2	9.20	<2	5.22	<10
35308	1	9	1	7	3	4			3	2	5.10	<2	6.11	<10
35309	1	27	1	7	3	4			3	2	12.50	<2	3.00	<10
35310	1	27	1	6	4	6			3	2	2.80	<2	5.10	15
35311	1	19	1	7	5	6			1	2	2.80	<2	0.39	<10
35312	1	19	1	7	5	6			1	2	7.70	<2	2.84	27
35313	1	52	1	6	4	6			3	1	3.60	<2	5.17	30
35314	1	75	1	6	4	6			3	1	3.10	<2	4.49	12
35315	1	37	1	4	4	4			2	2	2.70	<2	4.28	<10
35316	1	55	1	6	4	6			2	1	2.70	<2	6.17	19
35501	7	28	3	7	4	6			1	1	16.50	<2	2.79	<10
35502	7	20	3	7	4	6			2	1	12.00	<2	6.20	<10
35503	7	27	3	7	4	6			2	1	11.20	<2	6.47	<10
35504	1	27	3	7	5	6			1	1	3.80	<2	8.30	15
35505	1	37	3	7	4	6			1	1	16.40	<2	5.57	<10
35506	1	23	3	7	5	6			1	1	3.80	<2	9.91	16
35507		39	1	6	5	6			1	1	5.00	<2	9.01	17
35508		13	1	6	4	6			1	1	4.70	<2	7.45	10
35509	7	15	1	6	4	6			1	1	4.80	<2	6.87	<10
35510		24	1	6	4	6			1	1	10.60	<2	5.89	<10
35511		33	1	6	5	6			1	1	4.10	<2	8.82	16
35512		23	1	6	5	6			1	1	2.80	<2	7.50	21
35513		17	1	7	5	6			1	1	3.40	<2	7.03	11
35514		49	1	6	5	6			1	1	3.60	<2	8.31	15
35515		27	1	6	4	6			1	1	18.50	<2	5.93	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
35277	464	1	5.30	42	5	24	12	1.66	<15	1.39	18	23	0.56	274	<4
35278	432	1	6.92	40	6	26	17	1.83	<15	1.24	18	25	0.73	289	<4
35279	398	1	6.79	41	6	27	18	1.83	<15	1.26	16	26	0.72	296	<4
35280	370	1	9.23	39	6	30	19	1.81	<15	1.14	15	28	0.95	298	<4
35281	84	<1	14.13	<10	<4	5	7	0.41	<15	0.23	<2	44	2.81	68	47
35282	503	1	1.54	50	6	28	13	2.04	<15	1.08	22	26	0.46	292	<4
35283	156	<1	13.28	16	<4	11	13	0.79	<15	0.38	5	59	3.55	153	<4
35284	470	1	1.39	64	7	32	13	2.94	<15	1.46	26	21	0.38	422	<4
35285	482	1	2.95	49	6	32	16	2.31	<15	1.54	21	27	0.58	324	<4
35286	467	1	3.51	36	4	23	12	1.90	<15	1.40	16	21	0.40	240	<4
35287	434	1	2.34	58	6	33	13	2.88	<15	1.29	24	15	0.38	411	<4
35288	411	1	8.78	36	6	30	15	2.05	<15	1.26	15	26	0.60	264	<4
35289	479	1	2.38	49	6	30	13	2.37	<15	1.54	21	24	0.44	309	<4
35290	448	1	2.63	59	7	32	13	3.28	<15	1.25	26	15	0.40	468	<4
35291	417	1	2.22	62	8	38	12	4.11	<15	1.27	25	19	0.37	567	<4
35292	403	1	2.30	57	9	39	12	4.89	<15	1.17	25	17	0.35	625	<4
35293	473	1	6.48	39	5	25	14	1.94	<15	1.37	18	23	0.53	267	<4
35294	450	1	3.57	33	5	30	12	2.41	<15	1.34	15	23	0.50	311	<4
35295	520	2	0.92	62	6	35	15	2.84	<15	1.66	29	22	0.38	387	<4
35296	563	1	0.96	68	5	33	24	2.75	<15	2.10	32	26	0.38	372	<4
35297	579	3	0.87	67	7	42	20	3.21	<15	2.19	31	27	0.37	467	<4
35298	489	1	0.87	102	13	72	19	6.73	<15	1.63	49	21	0.37	861	<4
35299	515	1	0.88	89	9	57	22	5.25	<15	1.71	42	22	0.37	697	<4
35300	620	2	1.33	118	12	32	65	4.69	<15	2.13	54	24	0.75	551	<4
35301	621	2	1.39	110	11	27	66	3.98	<15	2.09	52	21	0.77	569	<4
35302	577	2	1.32	135	14	51	72	7.81	<15	2.14	61	23	0.78	683	<4
35303	569	2	1.41	134	13	52	65	8.29	<15	1.98	60	20	0.73	687	<4
35304	629	2	0.88	93	9	31	45	3.43	<15	2.14	42	26	0.51	406	<4
35305	521	1	1.17	137	14	52	30	9.03	<15	1.92	62	22	0.62	842	4
35306	382	1	1.01	194	22	121	27	25.48	<15	1.49	79	17	0.49	1311	14
35307	443	1	1.04	192	19	98	30	17.75	<15	1.78	83	21	0.55	1067	6
35308	515	2	1.20	136	16	56	29	10.31	<15	2.06	60	22	0.63	877	<4
35309	259	<1	0.74	203	27	188	21	49.77	<15	0.95	76	12	0.33	1335	7
35310	592	1	2.88	62	6	26	14	2.78	<15	1.62	28	25	0.51	411	<4
35311	44	<1	17.73	11	<4	4	7	0.17	<15	0.15	<2	24	2.18	49	<4
35312	294	1	9.26	27	5	19	16	1.38	<15	0.80	11	82	5.38	371	<4
35313	393	1	9.76	54	8	29	21	2.28	<15	1.23	21	41	2.29	377	<4
35314	536	1	8.16	61	7	25	17	2.47	<15	1.42	25	19	1.33	405	<4
35315	577	1	1.77	69	7	25	11	3.56	<15	1.52	30	19	0.35	484	<4
35316	542	1	5.97	61	10	31	26	2.95	<15	1.75	29	34	1.56	727	<4
35501	233	<1	1.09	240	23	94	10	49.82	<15	0.82	89	11	0.35	2038	<4
35502	544	1	1.99	313	12	32	14	10.14	<15	1.73	143	20	0.69	1535	<4
35503	492	2	2.33	310	16	62	22	11.59	<15	1.58	129	21	0.92	1490	<4
35504	715	2	1.21	122	12	26	28	3.79	<15	2.34	52	49	0.86	814	<4
35505	517	1	2.00	392	11	36	14	10.76	<15	1.54	168	23	0.62	2342	<4
35506	683	3	1.07	119	14	33	38	4.66	<15	2.33	51	71	1.05	918	<4
35507	615	3	2.62	131	16	30	37	4.52	<15	2.06	55	63	1.35	1337	<4
35508	634	2	1.21	116	9	20	18	4.38	<15	2.06	53	32	0.72	701	<4
35509	576	2	1.36	119	8	16	19	2.89	<15	2.12	55	24	0.71	559	<4
35510	485	1	1.62	205	13	35	15	11.55	<15	1.79	90	21	0.66	1489	<4
35511	555	3	1.61	117	14	27	40	4.29	<15	2.15	52	57	1.13	857	<4
35512	517	2	6.48	66	9	30	30	2.98	<15	1.82	29	56	1.22	430	<4
35513	599	2	1.16	90	7	15	20	2.39	<15	2.47	42	30	0.56	465	<4
35514	576	3	1.84	151	11	27	49	3.67	<15	2.61	62	54	0.93	781	<4
35515	454	1	0.86	196	8	69	13	7.04	<15	2.19	83	22	0.41	900	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
35277	0.91	10	11	304	<10	3	233	4	2004	46	9	39	39
35278	0.90	10	16	457	14	4	290	5	2118	50	10	49	46
35279	1.05	10	14	397	14	4	276	5	2138	48	10	46	35
35280	0.90	9	14	443	17	5	340	6	1920	48	10	46	36
35281	2.82	<4	<2	85	<10	1	2748	6	349	14	2	11	9
35282	1.03	10	13	327	26	4	166	6	2513	55	10	49	50
35283	0.57	6	4	247	<10	2	6067	<2	664	25	5	19	16
35284	0.88	15	10	246	19	4	136	6	4178	88	11	59	57
35285	0.86	11	13	385	18	5	185	6	2647	60	11	56	56
35286	0.81	7	11	250	<10	3	185	11	2311	54	9	44	40
35287	0.73	13	11	227	13	4	156	8	4455	89	12	54	64
35288	0.63	9	16	402	11	5	231	2	2259	60	10	50	45
35289	0.92	11	12	302	18	4	192	3	3049	68	10	51	50
35290	0.72	16	11	214	26	4	174	9	4787	103	12	65	66
35291	0.70	16	16	220	14	4	151	9	5956	129	12	78	72
35292	0.63	16	15	189	<10	4	146	4	6771	146	12	86	64
35293	0.75	8	15	419	<10	4	312	<2	2259	54	10	51	50
35294	0.70	9	15	291	<10	4	184	<2	3062	70	10	53	47
35295	1.22	22	14	273	20	4	198	5	3534	75	13	62	55
35296	1.52	20	16	238	24	4	206	3	3438	65	13	61	51
35297	1.63	25	15	254	12	4	209	2	4097	78	13	74	54
35298	1.16	49	201	254	31	6	188	9	8817	165	20	128	89
35299	1.26	39	14	235	25	5	200	4	6646	126	17	96	67
35300	1.71	22	23	1491	42	7	239	36	4910	114	26	79	38
35301	1.71	22	15	1427	28	7	252	29	5072	94	26	75	37
35302	1.72	26	24	1467	36	8	235	21	5721	196	29	86	37
35303	1.68	26	20	1607	31	8	239	25	5951	205	29	80	35
35304	1.55	17	19	633	30	6	217	33	4144	86	20	65	58
35305	1.38	29	146	1159	76	7	194	26	6943	226	28	103	42
35306	1.03	50	31	1303	153	7	143	45	11541	577	31	114	33
35307	1.25	40	27	1188	67	7	165	40	9436	440	31	106	45
35308	1.58	33	28	1047	59	7	208	39	7431	254	28	92	37
35309	0.65	52	47	1105	105	5	96	34	11449	900	25	125	31
35310	0.99	15	11	280	23	4	240	6	3686	69	14	58	71
35311	1.12	5	7	67	10	<1	1898	4	162	6	1	6	6
35312	0.78	7	12	495	10	4	3314	3	1385	38	10	37	28
35313	0.55	10	17	477	22	6	339	6	2070	52	14	62	45
35314	1.13	10	14	573	18	5	255	7	3616	55	20	49	36
35315	0.97	19	10	208	25	4	198	5	4810	95	15	57	52
35316	0.89	10	22	1021	29	7	265	10	2701	55	19	83	49
35501	0.76	100	21	1732	12	5	109	32	22603	760	40	123	27
35502	2.18	99	169	2976	20	8	268	43	16383	223	69	121	56
35503	1.99	51	30	3523	15	16	187	26	15073	266	114	123	35
35504	1.59	22	26	1100	29	10	208	15	4475	73	31	103	55
35505	1.41	125	11	2380	16	12	182	39	24877	242	110	128	63
35506	0.76	18	24	1170	37	12	155	13	3747	86	26	149	75
35507	0.75	18	20	1203	41	10	286	18	3461	87	25	146	59
35508	1.84	32	12	1106	<10	7	270	13	6220	91	26	73	47
35509	2.01	31	29	1301	23	6	258	13	5226	61	26	66	42
35510	1.68	85	22	1422	25	8	224	57	16455	245	46	85	52
35511	1.01	20	20	1178	47	9	239	17	4037	85	25	119	57
35512	0.58	12	37	697	27	7	350	11	2573	76	16	85	65
35513	1.94	19	14	653	21	5	233	21	3594	51	20	55	39
35514	1.18	17	29	779	34	9	199	22	3256	72	42	109	51
35515	1.81	33	19	1143	21	7	137	109	12570	145	66	80	64

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	CONN	MEAS	PH	CT-F
35516	M	35	32.439	106.444	2	15	05/24/77	10	26.0					
35517	M	35	32.425	106.458	2	15	05/24/77	10	26.0					
35518	M	35	32.401	106.480	2	15	05/24/77	10	26.0					
35519	M	35	32.403	106.479	2	15	05/24/77	10	26.0					
35520	H	35	32.468	106.402	2	96	05/24/77	11	27.0					
35521	H	35	32.493	106.365	2	96	05/24/77	11	27.0					
35522	H	35	32.471	106.351	2	96	05/24/77	11	29.0					
35523	H	35	32.442	106.366	2	96	05/24/77	12	25.0					
35524	H	35	32.436	106.367	2	96	05/24/77	12	25.0					
35525	H	35	32.424	106.362	2	96	05/24/77	13	25.0					
35526	H	35	32.421	106.350	2	96	05/24/77	13	25.0					
35527	H	35	32.462	106.296	2	96	05/24/77	13	25.0					
35528	H	35	32.419	106.303	2	96	05/24/77	13	25.0					
35529	H	35	32.407	106.322	2	96	05/24/77	14	26.0					
35530	H	35	32.401	106.354	2	96	05/24/77	14	26.0					
35531	H	35	32.407	106.253	2	96	05/24/77	14	26.0					
35532	H	35	32.406	106.232	2	96	05/24/77	14	26.0					
35533	H	35	32.435	106.229	2	96	05/24/77	14	26.0					
35534	H	35	32.449	106.228	2	96	05/24/77	15	26.0					
35535	H	35	32.406	106.186	2	96	05/24/77	15	30.0					
35536	M	35	32.408	106.151	2	15	05/24/77	15	31.0					
35537	M	35	32.428	106.144	2	15	05/24/77	15	31.0					
35538	M	35	32.467	106.136	2	15	05/24/77	15	31.0					
35539	H	35	32.484	106.206	2	96	05/24/77	4	31.0					
35540	H	35	32.460	106.234	2	96	05/24/77	4	31.0					
35541	H	35	32.444	106.248	2	96	05/24/77	4	31.0					
35542	H	35	32.475	106.226	2	96	05/25/77	8	27.0					
35543	M	35	32.475	106.138	2	15	05/25/77	8	27.0					
35544	M	35	32.480	106.133	2	15	05/25/77	9	27.0					
35545	M	35	32.493	106.139	2	15	05/25/77	9	27.0					
35546	H	35	32.513	106.167	2	96	05/25/77	9	27.0					
35547	H	35	32.514	106.179	2	96	05/25/77	9	27.0					
35548	H	35	32.528	106.189	2	96	05/25/77	9	27.0					
35549	H	35	32.540	106.199	2	96	05/25/77	10	27.0					
35550	H	35	32.555	106.201	2	96	05/25/77	10	28.0					
35551	H	35	32.566	106.211	2	96	05/25/77	10	30.0					
35552	H	35	32.545	106.214	2	96	05/25/77	10	30.0					
35553	H	35	32.542	106.234	2	96	05/25/77	11	30.0					
35554	H	35	32.531	106.132	2	96	05/25/77	12	28.0					
35555	H	35	32.560	106.126	2	96	05/25/77	12	28.0					
35556	H	35	32.577	106.125	2	96	05/25/77	12	29.0					
35557	H	35	32.590	106.155	2	96	05/25/77	12	29.0					
35558	H	35	32.609	106.133	2	96	05/25/77	12	29.0					
35559	H	35	32.612	106.154	2	96	05/25/77	12	29.0					
35560	H	35	32.590	106.186	2	96	05/25/77	13	28.0					
35561	H	35	32.654	106.140	2	96	05/25/77	13	28.0					
35562	H	35	32.676	106.124	2	96	05/25/77	13	28.0					
35563	M	35	32.706	106.109	2	15	05/25/77	13	28.0					
35564	H	35	32.737	106.132	2	96	05/25/77	15	29.0					
35566	H	35	32.745	106.192	2	96	05/25/77	4	28.0					
35567	H	35	32.715	106.181	2	96	05/25/77	4	28.0					
35568	H	35	32.710	106.163	2	96	05/25/77	4	28.0					
35569	H	35	32.682	106.182	2	96	05/25/77	4	28.0					
35570	H	35	32.657	106.200	2	96	05/25/77	5	28.0					
35571	H	35	32.657	106.226	2	96	05/25/77	5	28.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
35516		37	1	6	4	6			1	1	6.30	<2	6.54	<10
35517		49	1	6	4	6			1	1	17.70	<2	5.38	<10
35518		27	1	6	1	1			1	1	11.20	<2	6.33	<10
35519		18	1	6	1	1			1	1	3.40	<2	5.82	<10
35520		25	1	6	5	6			1	1	3.50	<2	6.35	14
35521		8	1	6	5	1			1	1	2.90	<2	5.08	16
35522		13	1	6	5	1			1	1	2.50	<2	5.07	13
35523		13	1	6	5	1			1	3	2.40	<2	5.52	16
35524		13	1	6	5	1			1	3	2.40	<2	4.90	16
35525		11	1	6	5	6			1	3	2.80	<2	5.82	17
35526		9	1	6	5	6			1	3	2.50	<2	4.09	10
35527		14	1	6	5	6			1	3	2.10	<2	4.46	15
35528		11	1	6	5	6			1	3	2.30	<2	5.05	12
35529		8	1	6	5	6			1	2	2.60	<2	4.67	13
35530		13	1	6	5	6			1	2	2.40	<2	3.21	15
35531		9	1	6	5	6			1	2	3.70	<2	4.58	10
35532		8	1	6	5	6			1	2	3.20	<2	4.68	10
35533		7	1	6	5	6			1	2	2.40	<2	4.40	12
35534		5	1	6	5	6			1	2	2.70	<2	4.92	13
35535		12	1	6	5	6			1	2	2.20	<2	4.62	15
35536		7	1	6	4	6			1	2	2.40	<2	4.02	10
35537		13	1	6	4	6			1	2	4.50	<2	3.85	<10
35538		7	1	6	4	6			1	2	2.10	<2	4.95	13
35539		9	1	6	4	6			1	3	2.50	<2	4.28	15
35540		10	1	6	4	6			1	3	3.10	<2	4.63	10
35541		5	1	6	4	6			1	2	5.10	<2	4.37	11
35542		16	1	6	4	6			1	3	2.60	<2	4.02	12
35543		19	1	6	4	6			2	3	2.40	<2	4.52	13
35544			1	6	4	6			1	3	2.60	<2	4.13	<10
35545		8	1	6	4	6			2	3	2.10	<2	4.41	<10
35546		4	1	6	4	6			1	3	1.80	<2	4.04	<10
35547		12	1	6	4	6			1	3	2.60	<2	5.00	13
35548		11	1	6	4	6			1	3	2.80	<2	4.43	11
35549		10	1	6	4	6			1	3	2.60	<2	4.48	12
35550		6	1	6	4	6			1	3	2.00	<2	3.71	11
35551		13	1	6	4	6			1	3	2.30	<2	4.32	11
35552		8	1	4	6	4			1	3	2.50	<2	4.14	11
35553		9	1	6	4	6			1	3	2.40	<2	4.14	14
35554		10	1	6	4	6			1	3	2.30	<2	3.97	<10
35555		8	1	6	4	6			1	3	2.10	<2	4.45	11
35556		11	1	6	4	6			1	3	2.20	<2	4.19	13
35557		9	1	6	5	6			1	3	2.20	<2	4.47	15
35558		2	1	6	4	6			1	3	2.50	<2	4.00	14
35559		8	1	6	4	6			1	3	2.30	<2	3.94	<10
35560		10	1	6	4	6			1	3	2.40	<2	4.13	<10
35561		3	1	6	4	6			1	3	1.50	<2	3.93	<10
35562		5	1	6	4	6			1	3	2.50	<2	4.05	11
35563		2	1	7	4	6			1	3	1.50	<2	3.25	<10
35564		8	1	7	1	5			1	3	2.60	<2	3.25	15
35566		4	1	6	4	6			1	3	1.30	<2	1.98	<10
35567		8	1	6	5	1			1	3	2.60	<2	4.78	25
35568		5	1	1	5	1			1	3	2.20	<2	4.48	20
35569		6	1	6	4	6			1	3	2.30	<2	4.38	17
35570		12	1	6	4	6			1	3	2.30	<2	3.84	10
35571		10	1	6	4	6			1	3	2.10	<2	4.98	10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
35516	535	2	0.32	160	7	23	19	3.20	23	2.16	68	28	0.52	509	<4
35517	455	1	0.33	226	11	59	15	10.06	<15	1.89	97	15	0.39	952	<4
35518	487	2	1.76	155	13	55	39	10.01	<15	1.84	74	28	0.68	933	<4
35519	541	2	2.03	76	5	17	15	1.96	<15	1.78	36	20	0.64	350	<4
35520	559	2	2.23	91	7	25	20	2.28	<15	2.00	40	29	0.78	613	<4
35521	508	1	4.77	55	5	23	21	1.95	<15	1.56	24	25	0.95	439	<4
35522	544	1	3.58	53	5	21	18	1.80	<15	1.57	24	23	0.63	324	<4
35523	558	2	3.12	64	5	21	17	1.80	<15	1.68	26	26	0.63	429	<4
35524	525	1	3.44	50	5	18	14	1.62	<15	1.60	23	22	0.52	280	<4
35525	510	2	2.10	61	6	23	20	2.23	<15	1.82	27	28	0.65	370	<4
35526	515	1	1.27	67	5	17	10	1.89	<15	1.39	31	16	0.36	285	<4
35527	619	1	4.54	50	4	19	15	1.58	<15	1.29	21	25	0.60	216	<4
35528	494	1	2.49	53	4	21	13	2.12	<15	1.55	23	24	0.54	289	<4
35529	509	1	2.66	52	5	22	13	2.14	<15	1.42	22	30	0.57	287	<4
35530	216	1	3.00	39	4	17	24	1.51	<15	0.81	16	23	0.63	234	<4
35531	518	1	0.70	61	5	22	10	2.77	<15	1.65	26	20	0.30	395	<4
35532	539	1	0.50	52	<4	19	9	2.08	<15	1.61	23	20	0.27	290	<4
35533	515	1	1.02	48	<4	18	10	1.85	<15	1.47	20	19	0.33	239	<4
35534	505	1	1.89	68	5	27	15	2.66	<15	1.55	28	23	0.47	332	<4
35535	547	1	1.47	43	4	19	11	1.59	<15	1.58	19	15	0.36	219	<4
35536	556	1	0.93	39	4	14	9	1.17	<15	1.49	18	16	0.23	157	<4
35537	476	1	0.79	78	10	35	14	6.28	15	1.26	34	15	0.30	565	<4
35538	601	1	1.93	36	4	17	14	1.50	<15	1.44	19	19	0.42	227	<4
35539	501	1	0.72	59	4	25	10	2.56	24	1.49	29	19	0.33	330	<4
35540	509	1	1.71	46	4	19	10	2.10	<15	1.57	20	22	0.38	285	<4
35541	469	1	0.84	83	7	32	10	4.25	<15	1.40	37	20	0.35	561	<4
35542	488	1	1.07	47	4	20	10	1.85	<15	1.36	21	17	0.35	249	<4
35543	555	1	0.52	38	<4	17	10	1.60	<15	1.62	18	18	0.26	215	<4
35544	532	1	1.00	45	5	14	10	2.31	<15	1.42	20	15	0.35	303	<4
35545	513	1	0.84	46	4	19	10	1.84	15	1.40	21	17	0.32	245	<4
35546	539	1	4.33	32	<4	15	11	1.36	15	1.27	15	21	0.53	180	<4
35547	468	1	1.92	46	4	25	11	2.12	<15	1.47	21	25	0.46	247	<4
35548	523	1	0.57	44	4	18	10	1.69	<15	1.55	21	19	0.30	233	<4
35549	495	1	1.53	46	4	18	10	1.63	<15	1.45	21	20	0.39	211	<4
35550	482	1	0.91	52	4	18	9	1.76	<15	1.29	33	15	0.27	229	<4
35551	451	1	1.57	49	4	21	11	1.91	<15	1.40	33	19	0.36	246	<4
35552	484	1	0.62	43	4	20	8	1.63	<15	1.31	19	17	0.34	219	<4
35553	543	1	1.76	35	<4	14	10	1.16	<15	1.36	16	18	0.32	142	<4
35554	521	1	0.55	26	4	15	7	1.38	<15	1.45	13	16	0.27	200	<4
35555	489	1	1.34	38	4	17	11	1.59	<15	1.41	18	21	0.37	203	<4
35556	544	1	3.49	43	4	18	10	1.55	<15	1.30	18	22	0.48	216	<4
35557	588	1	4.54	44	5	18	14	1.52	<15	1.25	18	26	0.52	205	<4
35558	476	1	1.00	43	4	20	8	1.97	<15	1.36	21	17	0.32	256	<4
35559	493	1	0.65	48	<4	17	7	1.53	<15	1.35	21	16	0.31	207	<4
35560	482	1	1.39	25	<4	15	8	1.36	<15	1.40	13	18	0.31	177	<4
35561	504	1	1.03	30	<4	16	7	1.59	<15	1.49	13	17	0.27	210	<4
35562	488	1	1.72	46	4	19	8	1.82	<15	1.36	20	18	0.30	240	<4
35563	422	1	7.59	36	4	16	10	1.21	<15	1.05	15	14	0.36	187	<4
35564	263	1	10.08	30	<4	19	15	1.39	<15	0.82	13	45	2.54	286	<4
35566	194	1	13.87	18	<4	11	12	0.80	<15	0.50	7	14	0.98	177	<4
35567	456	1	6.50	42	6	25	22	1.94	<15	1.41	18	29	0.97	372	<4
35568	574	1	5.06	45	5	22	15	1.75	<15	1.28	19	22	0.53	246	<4
35569	467	1	3.23	40	5	20	13	1.66	<15	1.38	18	24	0.40	211	<4
35570	446	1	0.99	44	5	20	9	1.84	<15	1.39	18	17	0.30	233	<4
35571	453	1	3.09	48	5	22	18	1.80	<15	1.43	20	24	0.61	277	4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZA	ZR
35516	1.65	18	12	797	37	7	168	37	4225	63	45	73	46
35517	1.46	39	11	1004	30	7	138	71	11447	193	70	77	46
35518	1.39	34	23	913	22	7	196	48	7244	228	26	102	44
35519	1.53	14	11	698	15	5	218	4	2784	46	18	50	34
35520	1.30	11	15	787	29	6	299	14	2163	50	21	88	39
35521	1.01	10	15	939	21	4	406	4	2392	46	13	62	48
35522	1.03	11	9	510	22	4	252	5	2311	45	13	53	51
35523	1.17	9	8	725	28	4	347	5	2090	41	15	58	43
35524	1.00	10	10	442	<10	4	255	5	2325	41	12	42	50
35525	1.05	12	8	478	14	5	207	10	2701	56	14	55	49
35526	0.96	16	6	229	19	3	172	13	3033	54	11	37	37
35527	0.74	10	10	230	23	4	293	8	1844	49	10	42	42
35528	0.92	11	13	337	<10	4	200	3	2747	55	11	47	52
35529	0.93	13	7	265	15	4	202	8	2938	67	12	46	50
35530	0.16	<4	9	417	20	3	130	3	500	36	8	48	18
35531	1.08	20	7	143	12	3	154	<2	4580	76	13	47	47
35532	1.04	14	6	149	10	3	153	<2	3240	57	11	41	46
35533	0.95	11	8	152	10	3	157	6	2632	52	9	37	44
35534	0.96	17	11	226	20	4	176	11	3711	76	11	53	67
35535	1.01	9	8	262	14	3	172	8	2201	46	9	39	47
35536	0.97	7	7	152	24	2	151	12	1659	33	7	28	33
35537	0.93	20	11	341	12	4	147	<2	5954	147	15	70	75
35538	1.03	7	5	264	<10	4	227	2	1739	38	9	39	39
35539	0.98	15	8	195	<10	3	152	5	4019	74	12	48	86
35540	0.99	12	9	195	16	3	171	<2	3068	58	10	42	46
35541	0.88	23	9	196	19	4	148	11	6462	122	16	66	84
35542	0.86	11	8	208	15	3	155	9	2756	54	9	38	53
35543	1.05	9	7	131	11	3	157	<2	2291	41	8	34	42
35544	1.01	10	8	245	<10	3	188	<2	2709	67	9	36	35
35545	0.90	9	8	155	27	3	160	8	2531	50	9	40	50
35546	0.81	9	5	179	21	3	219	2	1712	40	7	33	40
35547	0.78	11	12	203	12	4	199	4	2642	64	10	45	55
35548	1.01	9	7	173	11	3	153	<2	2538	47	9	38	53
35549	0.86	9	9	178	15	3	170	11	2160	47	8	36	50
35550	0.80	11	7	137	17	3	139	8	2775	54	8	36	51
35551	0.84	11	9	256	12	3	170	7	2756	57	10	41	59
35552	0.79	9	10	156	23	3	140	6	2315	46	8	36	50
35553	0.83	7	7	151	<10	3	180	2	1434	37	7	30	38
35554	0.90	7	6	140	13	3	150	2	1946	38	6	32	34
35555	0.82	7	9	178	<10	3	155	<2	2009	45	8	36	44
35556	0.81	10	8	205	18	3	204	9	2063	47	8	35	46
35557	0.76	9	9	226	21	4	243	8	1830	49	9	38	45
35558	0.78	11	8	157	15	3	142	3	2868	58	8	44	47
35559	0.83	9	8	211	25	3	141	4	2243	45	8	34	42
35560	0.87	7	7	183	<10	3	166	<2	1835	40	7	30	40
35561	0.85	7	4	151	<10	3	139	<2	2447	47	7	34	48
35562	0.80	9	6	144	18	3	166	7	2845	56	8	37	46
35563	0.65	8	8	271	16	3	471	10	1661	35	8	29	37
35564	0.42	8	8	446	16	4	1842	<2	1308	36	9	43	41
35566	0.37	8	9	503	<10	2	793	4	901	20	6	29	28
35567	0.71	10	14	651	19	4	361	<2	2128	46	11	58	50
35568	0.70	11	9	311	20	4	275	6	2110	51	10	42	47
35569	0.72	11	7	251	18	3	193	<2	2216	52	9	38	47
35570	0.72	11	9	140	16	3	139	6	2745	56	8	36	46
35571	0.72	8	10	406	23	4	202	9	1884	49	10	50	47

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEH	WTEM	COMM	MEAS	PH	CT-F
35572	H	35	32.623	106.230	2	96	05/25/77	5	28.0					
35573	M	35	32.712	106.219	2	15	05/26/77	9	28.0					
35575	H	35	32.611	106.295	2	96	05/26/77	14	30.0					
35576	H	35	32.624	106.271	2	96	05/26/77	15	30.0					
35577	H	35	32.590	106.292	2	96	05/26/77	15	30.0					
35578	H	35	32.592	106.256	2	96	05/26/77	15	30.0					
35579	H	35	32.572	106.273	2	96	05/26/77	15	30.0					
35580	H	35	32.557	106.262	2	96	05/26/77	15	30.0					
35581	H	35	32.542	106.277	2	96	05/26/77	15	31.0					
35582	H	35	32.561	106.296	2	96	05/26/77	15	31.0					
35583	H	35	32.533	106.352	2	96	05/26/77	4	30.0					
35584	H	35	32.512	106.365	2	96	05/26/77	4	30.0					
35585	H	35	32.507	106.335	2	97	05/26/77	4	30.0					
35586	H	35	32.527	106.307	2	96	05/26/77	4	30.0					
35587	H	35	32.504	106.292	2	96	05/26/77	4	30.0					
35588	H	35	32.526	106.263	2	96	05/26/77	4	30.0					
35589	H	35	32.563	106.339	2	96	05/26/77	5	30.0					
35590	M	35	32.463	106.419	2	15	05/27/77	10	30.0					
35591	M	35	32.484	106.429	2	15	05/27/77	10	31.0					
35592	M	35	32.497	106.429	2	15	05/27/77	10	31.0					
35593	M	35	32.527	106.429	2	15	05/27/77	10	31.0					
35594	M	35	32.592	106.429	2	15	05/27/77	11	31.0					
35596	M	35	32.569	106.429	2	15	05/27/77	11	31.0					
35597	M	35	32.614	106.434	2	15	05/27/77	11	31.0					
35598	M	35	32.611	106.400	2	15	05/27/77	12	30.0					
35599	H	35	32.571	106.398	2	96	05/27/77	12	31.0					
35600	M	35	32.521	106.398	2	15	05/27/77	12	31.0					
35601	H	35	32.625	107.287	2	96	05/27/77	13	30.0					
35602	H	35	32.652	106.268	2	96	05/27/77	13	31.0					
35649	M	35	32.843	106.491	2	15	06/03/77	13	31.0					
35650	M	35	32.836	106.491	2	15	06/03/77	13	31.0					
35651	M	35	32.825	106.491	2	15	06/03/77	13	31.0					
35652	M	35	32.782	106.481	2	15	06/03/77	13	31.0					
35653	M	35	32.871	106.492	2	15	06/03/77	14	38.0					
35654	M	35	32.872	106.471	2	15	06/03/77	14	37.0					
35655	H	35	32.887	106.450	2	96	06/04/77	10	29.0					
35656	H	35	32.926	106.422	2	96	06/04/77	10	29.0					
35657	H	35	32.958	106.416	2	96	06/04/77	10	29.0					
35658	H	35	32.995	106.409	2	96	06/04/77	10	29.0					
35659	H	35	32.988	106.381	2	96	06/04/77	10	29.0					
35660	H	35	32.992	106.433	2	96	06/04/77	10	29.0					
35661	H	35	32.972	106.461	2	96	06/04/77	10	29.0					
35663	H	35	32.834	106.245	2	96	06/03/77	14	36.0					
35664	H	35	32.835	106.227	2	96	06/03/77	14	37.0					
35665	H	35	32.876	106.199	2	95	06/03/77	14	36.0					
35666	H	35	32.892	106.180	2	95	06/03/77	14	36.0					
35667	H	35	32.883	106.164	2	95	06/03/77	14	36.0					
35668	H	35	32.897	106.155	2	95	06/03/77	15	36.0					
35669	H	35	32.907	106.154	2	96	06/03/77	15	35.0					
35670	H	35	32.921	106.159	2	96	06/03/77	15	36.0					
35671	H	35	32.934	106.161	2	96	06/03/77	15	36.0					
35672	H	35	32.949	106.161	2	96	06/03/77	15	37.0					
35673	H	35	32.954	106.171	2	96	06/03/77	15	35.0					
35674	H	35	32.957	106.193	2	96	06/03/77	15	35.0					
35675	H	35	32.946	106.203	2	96	06/03/77	15	35.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
35572		11	1	6	4	6			1	3	2.20	<2	5.54	17
35573		13	1	6	5	6			1	3	2.00	<2	2.97	<10
35575		11	1	6	4	6			1	2	2.40	<2	4.09	<10
35576		11	1	6	4	6			1	2	2.30	<2	4.15	11
35577		7	1	6	4	6			1	2	2.50	<2	3.81	<10
35578		11	1	6	4	6			1	2	2.20	<2	4.30	15
35579		8	1	6	4	6			1	2	3.30	<2	3.78	<10
35590		8	1	6	4	6			1	2	2.50	<2	3.98	11
35581		7	1	6	4	6			1	2	2.60	<2	4.36	14
35582		6	1	6	4	6			1	2	1.90	<2	4.22	11
35583		9	1	6	4	6			1	2	2.60	<2	4.90	17
35584		10	1	6	4	6			1	2	2.70	<2	4.80	22
35585		6	1	6	5	1			1	2	2.60	<2	4.56	18
35586		8	1	6	5	6			1	2	2.50	<2	4.89	16
35587		13	1	6	4	6			1	2	2.20	<2	4.24	13
35588		9	1	6	4	6			1	2	2.60	<2	4.23	13
35589		9	1	6	4	6			1	2	2.20	<2	4.16	13
35590		27	1	4	6	4			1	1	3.90	<2	6.78	24
35591		16	1	6	5	6			1	1	3.40	<2	4.54	18
35592		19	1	6	5	6			1	1	3.10	<2	4.14	19
35593		29	1	7	5	6			1	1	3.30	<2	5.28	44
35594		19	1	6	4	6			1	1	3.00	<2	4.06	15
35596		12	1	6	5	6			1	2	3.40	<2	4.73	12
35597		5	1	7	4	6			1	2	2.70	<2	4.01	17
35598		11	1	6	4	6			1	2	2.50	<2	5.21	26
35599		13	1	6	4	6			1	2	3.20	<2	5.64	29
35600		11	1	4	6	4			1	2	2.70	<2	4.10	16
35601		5	1	6	4	6			1	2	2.40	<2	3.78	10
35602		12	1	6	4	6			1	2	2.50	<2	5.24	24
35649		13	1	6	5	6			1	1	2.10	<2	4.01	10
35650		11	1	7	5	6			1	1	4.50	<2	3.01	<10
35651		8	1	7	4	6			1	1	2.30	<2	5.55	<10
35652		16	1	7	4	6			1	1	3.70	<2	4.21	<10
35653	1	36	1	7	4	6			3	2	2.60	<2	3.89	13
35654	1	25	1	7	4	6			3	3	2.80	<2	4.64	24
35655		1			4	6			1	1	2.90	<2	0.22	<10
35656		4			4	1			1	2	2.30	<2	0.09	<10
35657		3			4	1			1	2	1.00	<2	0.19	<10
35658		2			4	1			1	2	1.10	<2	0.07	<10
35659		2			4	1			1	2	0.60	<2	0.23	<10
35660		2			4	1			1	2	0.90	<2	0.17	<10
35661		1			4	1			1	2	1.90	<2	0.05	<10
35663					4	1			2		0.90	<2	0.27	<10
35664					4	6			1		3.40	<2	0.44	<10
35665		1			4	1			1	3	0.30	<2	0.16	<10
35666					4	1			1	3	0.30	<2	0.25	<10
35667		3			4	1			1	3	0.30	<2	0.26	<10
35668					4	6			1	3	1.50	<2	1.97	<10
35669			1	6	5	6			1	3	1.00	<2	1.70	11
35670		3			5	6			1	3	1.20	<2	1.63	<10
35671		3			5	6			1	3	1.10	<2	1.36	<10
35672		1			4	1			1	2	0.40	<2	0.62	<10
35673		1			5	6			1	3	0.90	<2	1.13	<10
35674		1			4	1			1	3	0.10	<2	0.25	<10
35675		1			5	6			1	3	1.10	<2	0.64	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
35572	446	1	2.38	51	5	26	9	2.29	<15	1.20	19	31	0.50	234	<4
35573	256	1	12.91	28	4	18	14	1.27	17	0.71	13	27	1.50	250	<4
35575	533	1	0.72	40	<4	22	10	1.69	<15	1.55	19	15	0.29	271	<4
35576	515	1	0.86	50	5	28	9	2.13	24	1.39	24	16	0.34	320	<4
35577	487	1	0.82	54	5	23	8	1.88	<15	1.32	24	14	0.28	298	<4
35578	494	1	4.55	36	4	21	12	1.62	<15	1.37	15	22	0.47	204	<4
35579	500	1	0.96	42	<4	16	8	1.40	33	1.39	19	15	0.28	193	<4
35580	462	1	4.18	47	5	20	10	1.78	23	1.24	20	20	0.44	234	<4
35581	482	1	5.95	47	5	21	13	1.88	<15	1.27	20	24	0.52	247	<4
35582	487	1	2.06	43	4	18	9	1.54	19	1.38	17	20	0.41	230	<4
35583	491	1	4.09	49	6	23	19	1.80	<15	1.53	21	25	0.79	351	<4
35584	548	1	5.49	51	7	28	16	1.78	<15	1.42	24	26	0.92	410	<4
35585	542	1	5.34	52	5	22	16	1.65	<15	1.34	22	22	0.66	385	<4
35586	414	1	4.46	47	5	24	16	1.84	<15	1.40	19	28	0.67	249	<4
35587	505	1	2.45	48	6	19	14	1.80	<15	1.39	20	19	0.43	272	<4
35588	497	1	1.82	55	4	18	10	1.88	<15	1.43	25	19	0.40	271	<4
35589	587	1	5.61	34	5	21	17	1.61	<15	1.23	17	18	0.48	293	<4
35590	600	2	1.43	113	9	30	22	2.69	<15	2.01	49	34	0.85	812	<4
35591	499	2	4.71	53	5	22	12	1.59	<15	1.52	23	17	1.37	332	<4
35592	563	1	7.73	45	6	31	16	1.87	16	1.22	20	20	1.90	432	<4
35593	482	2	9.58	58	9	45	29	2.59	20	1.03	24	34	1.41	503	<4
35594	771	1	5.08	49	5	21	12	1.96	<15	1.19	20	19	1.29	340	<4
35596	574	1	5.30	97	26	145	36	6.54	<15	1.00	36	24	2.99	1117	<4
35597	443	1	7.19	55	8	26	14	2.31	<15	1.18	21	17	1.58	395	<4
35598	504	1	6.17	49	8	32	22	2.20	<15	1.34	20	29	1.24	626	<4
35599	571	2	5.58	75	12	49	33	3.15	<15	1.46	34	34	1.90	714	<4
35600	507	1	5.60	39	4	27	14	1.72	<15	1.24	18	17	1.21	325	<4
35601	506	1	2.45	34	<4	16	8	1.38	<15	1.32	16	16	0.29	211	<4
35602	450	1	3.71	42	5	25	18	2.10	<15	1.48	20	28	0.73	307	<4
35649	413	1	2.36	36	7	25	14	2.01	<15	1.18	15	15	0.70	338	<4
35650	272	1	2.55	90	21	117	23	10.25	<15	0.63	34	11	0.81	1431	<4
35651	277	1	2.91	59	17	55	31	4.71	<15	0.95	22	15	1.38	790	<4
35652	252	1	2.24	57	11	33	13	2.91	<15	1.16	23	12	0.94	520	<4
35653	232	1	6.37	41	8	31	15	2.42	<15	0.83	15	18	1.19	395	<4
35654	385	1	7.79	44	9	40	22	2.37	<15	0.94	18	24	1.28	415	<4
35655	41	<1	18.50	<10	<4	2	7	0.11	<15	0.04	<2	10	1.23	25	<4
35656	16	<1	20.07	<10	<4	2	5	<0.05	<15	0.03	<2	10	1.36	29	<4
35657	28	<1	18.74	<10	<4	1	5	0.09	<15	0.06	<2	9	0.52	22	<4
35658	14	<1	20.65	<10	<4	2	5	<0.05	<15	0.03	<2	9	0.74	22	<4
35659	28	<1	19.56	<10	<4	3	7	0.12	19	0.06	<2	7	0.45	23	<4
35660	32	<1	21.04	<10	<4	2	5	0.08	<15	0.04	<2	12	0.51	25	<4
35661	6	<1	19.90	<10	<4	2	4	<0.05	<15	0.03	<2	15	0.80	20	<4
35663	35	<1	19.85	<10	<4	3	5	0.11	<15	0.06	<2	4	0.17	21	<4
35664	50	<1	19.26	<10	<4	4	6	0.20	<15	0.09	<2	6	0.44	36	<4
35665	20	<1	19.28	<10	<4	2	4	0.08	<15	0.03	<2	2	0.07	14	<4
35666	30	<1	18.79	<10	<4	3	3	0.12	<15	0.03	<2	2	0.11	22	<4
35667	33	<1	18.93	<10	<4	3	4	0.13	<15	0.04	<2	3	0.09	24	<4
35668	210	1	11.65	20	<4	13	12	0.91	<15	0.28	7	15	1.24	221	<4
35669	161	<1	14.87	15	<4	10	9	0.67	<15	0.49	5	13	0.50	143	<4
35670	157	<1	15.30	12	<4	10	8	0.64	<15	0.48	3	13	0.56	137	<4
35671	137	<1	15.98	<10	<4	8	23	0.53	18	0.41	<2	14	0.56	119	<4
35672	63	<1	18.48	<10	<4	5	4	0.26	<15	0.18	<2	5	0.16	45	<4
35673	113	<1	17.19	<10	<4	8	7	0.44	<15	0.34	<2	11	0.48	99	<4
35674	31	<1	20.11	<10	<4	9	3	0.10	<15	0.08	<2	3	0.05	16	<4
35675	66	<1	18.43	<10	<4	7	7	0.27	<15	0.19	<2	9	0.55	52	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	F	PB	SC	SR	TH	TI	V	Y	ZN	ZR
35572	0.66	9	11	200	18	5	187	8	2460	72	10	53	51
35573	0.33	8	9	539	27	4	740	11	1239	32	9	42	38
35575	1.03	7	8	195	13	3	148	4	2970	50	8	36	39
35576	0.88	10	8	213	19	4	151	9	3542	62	10	43	50
35577	0.87	11	6	164	17	3	150	5	3324	56	9	39	42
35578	0.71	8	10	253	<10	3	238	4	1922	56	8	37	44
35579	0.84	8	6	171	12	3	146	9	1978	41	7	31	34
35580	0.72	11	9	235	24	3	220	4	2384	56	8	37	44
35581	0.66	10	12	322	14	4	279	10	2260	62	10	42	48
35582	0.81	9	9	245	15	3	180	10	2028	46	8	36	42
35583	0.84	11	10	574	21	4	253	10	2081	44	11	54	48
35584	0.86	11	13	635	31	4	378	8	2112	47	12	59	47
35585	0.90	12	12	600	25	4	393	11	2124	41	11	49	47
35586	0.67	9	12	354	18	4	363	8	1999	64	10	43	47
35587	0.88	10	10	303	19	3	187	5	2485	54	9	41	46
35588	0.89	8	9	243	12	3	170	7	2638	54	9	42	49
35589	0.95	10	13	433	10	4	338	<2	2124	40	10	46	46
35590	1.25	13	16	741	25	7	195	16	2407	58	26	99	48
35591	1.14	12	6	361	31	4	171	7	1791	39	12	72	35
35592	0.77	10	13	569	27	5	233	5	1969	47	13	59	34
35593	0.45	12	24	551	39	7	274	13	1955	65	14	83	36
35594	0.75	9	8	602	19	4	232	4	2916	56	12	41	44
35596	0.94	13	53	3281	49	13	161	6	11790	183	35	123	58
35597	0.97	9	13	1088	24	5	196	2	3255	57	17	54	28
35598	0.81	9	16	818	30	6	255	<2	2076	51	14	69	42
35599	0.70	11	29	1068	58	8	266	10	2756	71	20	114	48
35600	0.86	7	12	387	24	4	206	6	1795	43	11	48	28
35601	0.88	7	5	191	15	3	227	<2	2144	38	8	32	34
35602	0.64	9	12	378	12	5	222	6	2279	55	11	52	52
35649	1.09	6	13	313	18	5	168	5	2697	55	10	41	21
35650	0.67	32	27	370	19	9	136	3	17861	271	22	119	63
35651	1.30	8	23	518	19	13	160	2	5922	132	20	73	21
35652	1.11	6	15	518	16	9	113	9	4330	90	17	45	24
35653	0.97	6	17	395	20	6	300	7	2870	64	12	47	27
35654	0.85	9	23	565	13	6	375	9	2238	62	13	58	31
35655	0.08	5	9	43	<10	1	2252	6	100	5	1	3	3
35656	0.41	6	<2	27	<10	<1	2017	<2	39	3	<1	7	<2
35657	0.62	<4	2	24	<10	<1	2210	2	123	3	<1	11	2
35658	0.36	8	<2	21	<10	<1	1694	4	43	2	1	6	2
35659	0.61	7	<2	31	<10	<1	1676	9	126	4	1	10	3
35660	0.38	4	<2	32	<10	<1	2900	8	86	4	<1	7	2
35661	0.56	4	<2	12	<10	<1	1324	<2	25	2	<1	7	<2
35663	0.07	7	<2	32	<10	<1	1454	2	143	4	1	10	4
35664	0.24	6	<2	34	<10	1	1861	4	235	6	1	12	6
35665	<0.05	6	<2	23	<10	<1	1142	3	113	2	<1	7	2
35666	<0.05	8	<2	37	<10	1	994	4	144	4	1	6	4
35667	<0.05	4	<2	58	<10	<1	977	<2	164	3	1	5	4
35668	0.27	6	7	347	<10	2	692	<2	1018	22	6	31	28
35669	0.38	6	2	351	<10	2	625	5	799	16	5	26	22
35670	0.38	4	5	357	<10	2	551	<2	794	15	4	27	20
35671	0.32	5	5	230	<10	1	839	<2	675	12	3	30	15
35672	0.15	7	<2	92	<10	1	769	<2	331	7	2	16	7
35673	0.26	6	4	220	<10	1	658	<2	560	10	3	26	17
35674	0.06	5	4	38	<10	<1	680	<2	125	2	1	8	3
35675	0.29	5	3	101	<10	1	1344	<2	341	7	1	20	9

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	COMM	MEAS	PH	CT-F
35676	H	35	32.896	106.129	2	96	06/03/77	4	34.0					
35677	H	35	32.916	106.135	2	96	06/03/77	4	35.0					
35678	H	35	32.916	106.097	2	96	06/03/77	4	35.0					
35679	H	35	32.897	106.090	2	96	06/03/77	4	35.0					
35680	H	35	32.947	106.097	2	96	06/03/77	4	35.0					
35681	H	35	32.947	106.132	2	96	06/03/77	4	34.0					
35682	H	35	32.979	106.136	2	96	06/03/77	4	34.0					
35683	H	35	32.363	106.143	2	96	06/04/77	12	29.0					
35684	H	35	32.943	106.144	2	96	06/04/77	12	30.0					
35685	M	35	32.998	106.139	2	15	06/04/77	13	31.0					
36019	M	35	32.933	106.027	2	15	06/21/77	9	28.0					
36020	H	35	32.932	106.045	2	96	06/21/77	9	30.0					
36025	M	35	32.966	106.039	2	15	06/21/77	13	34.0					
36026	H	35	32.968	106.055	2	96	06/21/77	13	34.0					
36027	H	35	32.976	106.065	2	96	06/21/77	13	35.0					
36028	H	35	32.986	106.079	2	96	06/21/77	13	35.0					
36029	H	35	32.874	106.004	2	96	06/21/77	14	36.0					
36030	H	35	32.873	106.021	2	96	06/21/77	14	36.0					
36031	N	35	32.891	106.040	2	15	06/21/77	15	37.0					
36032	N	35	32.878	106.049	2	15	06/21/77	15	37.0					
36033	H	35	32.866	106.059	2	96	06/21/77	15	36.0					
36034	H	35	32.856	106.011	2	96	06/21/77	15	36.0					
36035	M	35	32.845	106.031	2	96	06/21/77	15	36.0					
36036	M	35	32.832	106.064	2	15	06/21/77	15	36.0					
36037	H	35	32.822	106.082	2	96	06/21/77	16	36.0					
36039	M	35	32.804	106.123	2	15	06/21/77	16	36.0					
36040	H	35	32.666	106.001	2	96	06/28/77	13	40.0					
36041	M	35	32.650	106.004	2	15	06/28/77	14	40.0					
36042	H	35	32.636	106.005	2	96	06/28/77	13	40.0					
36043	M	35	32.632	106.022	2	15	06/28/77	14	40.0					
36044	H	35	32.641	106.035	2	96	06/28/77	13	40.0					
36045	M	35	32.649	106.042	2	15	06/28/77	14	40.0					
36046	M	35	32.663	106.044	2	15	06/28/77	13	40.0					
36047	M	35	32.677	106.047	2	15	06/28/77	14	40.0					
36048	H	35	32.676	106.059	2	97	06/28/77	13	40.0					
36049	M	35	32.681	106.057	2	15	06/28/77	14	40.0					
36050	H	35	32.691	106.069	2	96	06/28/77	14	40.0					
36051	M	35	32.702	106.066	2	15	06/28/77	15	40.0					
36052	H	35	32.697	106.084	2	96	06/28/77	14	40.0					
36053	M	35	32.694	106.101	2	15	06/28/77	15	40.0					
36054	H	35	32.716	106.079	2	97	06/28/77	15	38.0					
36055	M	35	32.711	106.057	2	15	06/28/77	15	40.0					
36056	H	35	32.713	106.038	2	96	06/28/77	15	36.0					
36057	M	35	32.713	106.021	2	15	06/28/77	15	38.0					
36058	M	35	32.717	106.004	2	15	06/28/77	15	40.0					
36059	H	35	32.729	106.001	2	96	06/28/77	15	35.0					
36061	H	35	32.747	106.004	2	96	06/28/77	15	35.0					
36062	M	35	32.747	106.016	2	15	06/28/77	15	40.0					
36063	H	35	32.747	106.028	2	95	06/28/77	14	32.0					
36064	M	35	32.746	106.040	2	15	06/28/77	16	40.0					
36065	H	35	32.747	106.049	2	96	06/28/77	15	32.0					
36066	M	35	32.748	106.058	2	15	06/28/77	16	40.0					
36067	H	35	32.749	106.069	2	96	06/28/77	16	31.0					
36068	M	35	32.749	106.082	2	15	06/28/77	16	40.0					
36069	H	35	32.749	106.092	2	96	06/28/77	16	31.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
35676		7			5	6			1	3	2.30	<2	3.39	17
35677					5	6			1	3	2.40	<2	3.62	20
35678		9			5	6			1	3	1.70	<2	2.84	13
35679		7			4	6			1	3	1.40	<2	1.73	<10
35680		7			5	6			1	3	1.80	<2	2.71	<10
35681		7			5	6			1	3	1.20	<2	1.66	<10
35682		10			5	6			1	3	1.80	<2	2.42	<10
35683		7	4	6	5	6			1	2	1.20	<2	2.18	10
35684		10	1	6	5	6			1	2	2.40	<2	4.91	29
35685		9	1	6	5	6			1	2	12.20	<2	3.71	178
36019		14	1	6	5	6			1	3	2.10	<2	3.50	12
36020		16	1	6	5	6			1	3	2.60	<2	4.84	27
36025		18	1	6	4	6			1	1	2.70	<2	4.14	21
36026		16	1	6	5	6			1	1	2.40	<2	4.81	33
36027		3	1	6	5	6			1	1	2.80	<2	4.19	22
36028		5	1	6	4	6			1	1	2.30	<2	3.32	13
36029		24	1	6	4	6			1	1	2.50	<2	4.77	32
36030		7	1	6	4	6			1	1	1.80	<2	2.97	13
36031		19	1	6	5	6			1	1	2.90	<2	6.40	52
36032		3	1	6	4	6			1	1	14.00	<2	1.06	51
36033		18	1	6	4	6			1	1	2.40	<2	4.78	17
36034		9	1	6	4	6			1	1	2.20	<2	4.12	14
36035		20	1	6	5	6			1	1	2.00	<2	4.06	<10
36036		22	1	6	4	6			1	1	1.70	<2	2.76	14
36037		18	1	6	4	6			1	1	3.00	<2	2.83	<10
36039		11	1	6	4	6			1	1	3.20	<2	2.95	11
36040		11	1	6	5	6			1	1	1.80	<2	4.12	14
36041	1	5	1	1	4	1			2	1	2.40	<2	4.11	13
36042		2	1	6	4	6			1	1	2.10	<2	4.45	16
36043	1	4	1	1	4	1			2	1	2.50	<2	4.64	18
36044		4	1	6	4	6			1	1	2.00	<2	5.12	14
36045	1	2	1	1	4	1			2	2	2.30	<2	5.71	17
36046		2	1	6	4	6			1	1	2.80	<2	5.93	24
36047	1	11	1	1	4	1			2	2	2.70	<2	5.43	16
36048		2	1	6	5	6			1	1	1.90	<2	3.94	12
36049	1	9	1	1	4	1			2	1	4.30	<2	5.83	28
36050		8	1	6	4	6			1	1	2.20	<2	4.92	12
36051	1	5	1	1	4	1			2	2	2.00	<2	4.52	15
36052		4	1	6	4	6			1	1	2.80	<2	3.61	21
36053	1	11	1	1	4	1			2	2	2.40	<2	4.58	19
36054		9	1	6	5	6			1	1	2.70	<2	6.43	33
36055	1	4	1	1	4	1			2	2	2.30	<2	4.96	25
36056		5	1	6	5	6			1	1	2.40	<2	4.39	24
36057	1	11	1	1	4	1			2	2	2.40	<2	4.85	29
36058	1	5	1	1	4	1			2	2	2.30	<2	4.56	31
36059		11	1	6	5	6			1	1	2.50	<2	4.95	27
36061		4	1	6	4	6			1	1	2.00	<2	3.78	12
36062	1	6	1	1	4	1			2	2	2.60	<2	4.08	11
36063		2	1	6	5	6			1	1	0.80	<2	1.15	<10
36064	1	5	1	1	4	1			2	2	2.50	<2	4.90	17
36065		8	1	6	5	6			1	1	2.60	<2	5.66	32
36066	1	4	1	1	4	1			2	2	2.50	<2	4.55	24
36067		3	1	6	5	6			1	1	2.10	<2	4.44	17
36068	1	6	1	1	4	1			2	2	2.20	<2	4.09	11
36069		3	1	6	4	6			1	1	2.10	<2	3.89	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
35676	366	1	8.90	34	5	20	13	1.28	<15	1.06	16	23	1.12	276	<4
35677	362	1	10.06	28	4	19	13	1.33	<15	1.11	12	28	1.21	298	<4
35678	283	1	12.33	25	4	16	11	1.12	<15	0.93	9	21	0.72	220	<4
35679	225	<1	12.44	<10	<4	7	5	0.54	<15	0.65	2	10	0.54	97	<4
35680	336	1	12.24	26	<4	17	15	1.14	<15	0.81	11	16	0.63	221	<4
35681	189	<1	15.06	12	<4	10	19	0.64	<15	0.54	4	13	0.48	133	<4
35682	236	1	13.49	24	<4	13	15	0.91	<15	0.76	9	21	0.86	214	<4
35683	252	<1	12.99	19	<4	12	8	0.76	<15	0.77	7	14	0.67	160	<4
35684	501	1	6.54	39	5	27	18	1.89	<15	1.61	17	41	1.85	377	<4
35685	211	1	5.99	35	5	24	29	1.68	<15	1.08	13	62	5.48	379	<4
36019	323	1	10.42	32	4	20	13	1.36	<15	1.23	13	25	0.88	226	<4
36020	534	1	5.14	43	5	28	25	1.76	<15	1.88	17	25	1.18	417	<4
36025	407	1	7.24	40	5	22	21	1.70	<15	1.45	16	23	0.69	312	<4
36026	420	1	6.71	45	7	27	23	1.97	<15	1.57	20	28	0.92	367	<4
36027	410	1	7.17	40	5	25	19	1.77	<15	1.45	16	24	0.74	334	<4
36028	393	1	8.89	35	<4	18	25	1.27	<15	1.18	12	18	0.66	260	<4
36029	414	1	7.21	44	7	36	31	1.98	22	1.51	18	27	0.84	362	<4
36030	230	1	12.99	20	4	19	20	1.10	<15	0.96	8	28	1.43	241	<4
36031	300	2	8.33	67	10	45	45	3.14	<15	1.65	28	47	1.48	437	<4
36032	89	<1	14.32	<10	<4	8	8	0.46	<15	0.34	4	17	2.56	99	<4
36033	524	1	5.09	34	5	21	14	1.67	<15	1.92	14	27	0.88	322	<4
36034	485	1	1.45	49	5	21	14	2.41	<15	1.99	20	22	0.32	354	<4
36035	440	1	6.68	38	4	22	18	1.42	<15	1.51	15	26	1.27	294	<4
36036	520	1	7.95	28	<4	14	10	0.92	<15	1.13	12	15	0.87	198	<4
36037	411	<1	7.47	41	<4	17	9	1.30	<15	1.03	17	23	1.27	253	<4
36039	246	1	9.51	22	<4	16	17	1.18	<15	0.82	9	35	3.04	264	<4
36040	537	1	3.41	35	<4	16	34	1.17	<15	1.73	15	18	0.39	175	<4
36041	522	1	2.70	48	4	16	12	1.17	15	1.75	21	17	0.34	201	<4
36042	554	1	1.90	40	<4	19	14	1.28	<15	1.87	17	20	0.41	207	<4
36043	498	1	5.59	36	4	21	14	1.58	15	1.77	16	28	0.96	246	<4
36044	574	1	0.95	52	4	27	11	2.54	<15	1.92	22	24	0.39	341	<4
36045	591	1	2.81	48	5	23	23	1.73	<15	1.89	20	57	1.10	197	<4
36046	544	1	2.18	50	5	27	23	2.06	<15	2.09	22	34	0.92	397	<4
36047	524	1	3.47	48	5	24	18	1.87	<15	1.92	20	34	1.25	376	<4
36048	465	1	5.39	35	<4	18	13	1.15	<15	1.55	15	25	0.60	166	<4
36049	334	1	8.03	50	7	30	28	2.41	<15	1.85	20	62	2.04	305	<4
36050	549	1	0.54	63	5	27	23	2.88	<15	1.92	27	22	0.31	366	<4
36051	439	1	7.55	46	5	21	13	1.50	<15	1.51	18	24	0.81	254	<4
36052	365	1	14.90	33	4	18	12	1.31	<15	1.15	12	25	1.10	255	<4
36053	451	1	7.58	39	5	22	18	1.55	<15	1.60	16	27	0.72	284	<4
36054	490	1	2.61	55	6	28	19	2.32	21	1.92	22	50	0.98	244	<4
36055	486	1	6.24	40	5	27	19	1.78	<15	1.74	18	31	1.17	319	<4
36056	428	1	8.55	35	5	27	18	1.62	<15	1.53	14	31	0.83	255	<4
36057	420	1	6.88	46	5	30	19	1.76	<15	1.70	17	32	0.96	331	<4
36058	392	1	7.94	37	5	29	20	1.70	<15	1.61	16	41	1.05	236	<4
36059	432	1	5.83	44	6	30	20	1.95	<15	1.51	19	35	1.49	403	<4
36061	427	1	7.40	27	<4	19	16	1.34	<15	1.21	13	27	1.41	337	<4
36062	403	1	5.52	38	4	25	16	1.60	<15	1.29	16	28	1.33	313	<4
36063	156	<1	15.70	12	<4	7	5	0.44	<15	0.36	3	5	0.47	81	<4
36064	442	1	4.26	50	7	32	21	2.16	<15	1.34	22	36	2.09	416	<4
36065	418	1	3.61	52	8	37	19	2.35	<15	1.76	22	37	1.27	416	<4
36066	366	1	7.38	46	6	32	16	1.89	<15	1.31	18	33	1.31	278	<4
36067	494	1	2.47	47	5	24	12	1.57	<15	1.52	19	22	0.68	330	<4
36068	571	1	1.81	41	<4	17	8	1.26	<15	1.51	19	16	0.35	203	<4
36069	515	1	1.32	48	<4	18	8	1.45	<15	1.42	22	16	0.32	227	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZK	ZR
35676	0.82	9	7	522	16	3	587	10	1852	33	10	37	50
35677	0.95	7	7	743	<10	3	567	3	1798	33	10	43	47
35678	0.62	7	6	325	<10	3	698	3	1318	26	8	32	35
35679	0.76	4	2	145	<10	1	1161	<2	847	14	4	17	16
35680	0.64	9	7	275	<10	3	631	<2	1776	29	9	34	47
35681	0.45	7	2	256	<10	1	853	<2	887	17	4	28	23
35682	0.65	9	8	470	<10	2	645	3	1170	23	6	35	31
35683	0.60	6	3	287	12	2	822	2	1043	20	5	24	25
35684	1.23	9	13	631	10	5	473	<2	2234	43	12	55	53
35685	2.01	5	13	959	16	4	2104	<2	1389	43	10	62	38
36019	0.74	9	13	448	<10	3	761	3	1801	37	11	43	53
36020	1.24	10	15	773	12	4	356	3	2380	44	11	70	52
36025	0.98	10	10	553	<10	4	364	2	2536	45	11	53	56
36026	0.95	9	15	614	23	5	330	7	2256	48	12	66	55
36027	0.96	8	11	557	18	4	351	4	2627	46	11	55	53
36028	0.92	7	10	509	12	3	512	4	2070	34	9	46	52
36029	0.73	10	18	578	26	5	299	8	2168	52	11	67	41
36030	0.44	6	8	600	<10	3	1859	<2	1104	29	7	45	29
36031	0.36	9	25	1409	24	8	457	9	2362	69	17	125	58
36032	2.23	6	2	226	<10	1	4146	6	475	13	3	18	14
36033	1.15	7	7	471	13	4	337	<2	2255	39	10	48	41
36034	1.00	12	6	203	<10	3	137	4	3891	64	9	48	67
36035	0.91	8	10	565	60	3	833	5	1841	36	10	63	40
36036	1.05	6	5	241	<10	3	780	8	1668	26	8	28	35
36037	1.23	8	7	332	15	3	972	5	2417	38	9	34	49
36039	1.74	7	9	572	<10	3	1054	<2	1242	29	8	42	34
36040	1.02	7	7	219	27	3	287	2	1694	30	7	46	39
36041	1.07	11	7	245	18	3	225	<2	2100	31	9	32	51
36042	1.12	9	6	223	17	3	241	4	1970	34	7	40	39
36043	0.96	8	9	328	12	3	371	4	2064	40	9	41	51
36044	1.20	12	9	211	14	4	183	<2	3677	65	11	55	66
36045	0.90	8	10	436	16	4	416	2	1785	54	11	54	52
36046	1.23	9	11	793	25	4	265	6	2488	50	11	64	60
36047	1.06	10	8	681	20	4	316	5	2179	45	10	57	50
36048	0.89	8	7	248	12	3	874	5	1476	34	8	35	42
36049	0.42	9	17	986	13	6	1153	6	1979	61	13	98	54
36050	1.21	16	10	185	14	4	159	13	4267	76	12	129	72
36051	0.78	10	10	489	15	4	370	9	1627	38	9	43	45
36052	0.63	8	10	557	<10	3	953	7	1497	36	8	37	40
36053	0.88	10	10	418	13	4	439	4	1876	45	9	43	53
36054	0.97	10	12	473	23	6	419	<2	2428	71	13	59	64
36055	0.91	9	11	669	17	4	426	3	2017	41	10	61	44
36056	0.79	8	13	638	<10	4	456	<2	1884	46	9	48	42
36057	0.87	9	16	689	18	4	361	7	2052	44	10	57	48
36058	0.76	9	14	549	14	5	374	5	1875	45	11	54	48
36059	0.81	9	18	852	19	5	394	5	2141	45	12	66	54
36061	0.91	3	11	799	10	3	1064	<2	1757	36	10	46	44
36062	0.78	7	12	784	19	4	642	2	1877	41	10	56	49
36063	0.25	7	2	124	<10	1	2130	4	629	12	3	13	17
36064	0.78	9	15	776	25	5	301	6	2345	50	13	69	61
36065	0.89	8	18	833	12	6	208	6	2449	56	13	75	57
36066	0.70	9	11	603	16	5	250	11	2117	51	12	56	57
36067	0.92	9	11	513	14	4	194	4	2121	40	10	47	47
36068	0.96	7	8	217	<10	3	177	2	1913	33	7	30	36
36069	0.85	8	6	208	13	3	154	6	2325	41	8	33	44

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	COMM	MEAS	PH	CT-F
36070	M	35	32.749	106.101	2	15	06/28/77	16	40.0					
36071	M	35	32.741	106.084	2	15	06/28/77	16	40.0					
36072	M	35	32.703	106.055	2	15	06/28/77	17	40.0					
36073	H	35	32.695	106.032	2	96	06/23/77	16	37.0					
36074	M	35	32.691	106.050	2	15	06/28/77	17	40.0					
36075	M	35	32.611	106.009	2	15	06/28/77	17	40.0					
36076	H	35	32.597	106.012	2	96	06/28/77	17	35.0					
36077	M	35	32.583	106.030	2	15	06/28/77	17	40.0					
36078	H	35	32.579	106.046	2	96	06/28/77	17	33.0					
36079	M	35	32.576	106.061	2	15	06/28/77	18	40.0					
36080	H	35	32.569	106.076	2	96	06/28/77	17	32.0					
36081	M	35	32.573	106.016	2	15	06/28/77	18	40.0					
36082	M	35	32.559	106.019	2	15	06/28/77	18	33.0					
36083	M	35	32.544	106.023	2	15	06/28/77	18	40.0					
36084	M	35	32.530	106.028	2	15	06/28/77	18	32.0					
36085	M	35	32.530	106.009	2	15	06/28/77	18	40.0					
36086	M	35	32.516	106.034	2	15	06/28/77	18	32.0					
36087	M	35	32.501	106.041	2	15	06/28/77	17	40.0					
36088	M	35	32.501	106.056	2	15	06/28/77	18	32.0					
36089	M	35	32.501	106.076	2	15	06/28/77	19	40.0					
36090	M	35	32.507	106.100	2	15	06/28/77	18	32.0					
36092	M	35	32.083	106.121	2	15	06/29/77	14	28.0					
36093	M	35	32.088	106.103	2	15	06/29/77	13	28.0					
36094	M	35	32.089	106.087	2	15	06/29/77	14	28.0					
36095	M	35	32.088	106.074	2	15	06/29/77	14	28.0					
36096	M	35	32.096	106.065	2	15	06/29/77	14	28.0					
36097	M	35	32.10	106.052	2	15	06/29/77	14	28.0					
36098	M	35	32.105	106.043	2	15	06/29/77	14	28.0					
36099	M	35	32.113	106.024	2	15	06/29/77	14	29.0					
36100	M	35	32.122	106.018	2	15	06/29/77	15	28.0					
36101	M	35	32.067	106.031	2	15	06/29/77	15	29.0					
36102	M	35	32.057	106.026	2	15	06/29/77	15	28.0					
36103	M	35	32.057	106.027	2	15	06/29/77	15	28.0					
36104	M	35	32.053	106.087	2	15	06/29/77	16	28.0					
36105	M	35	32.069	106.087	2	15	06/29/77	16	28.0					
36106	M	35	32.057	106.087	2	15	06/29/77	16	28.0					
36107	H	35	32.043	106.090	2	96	06/29/77	16	28.0					
36108	M	35	32.033	106.078	2	15	06/29/77	17	28.0					
36109	H	35	32.045	106.102	2	96	06/29/77	16	28.0					
36110	M	35	32.053	106.115	2	15	06/29/77	17	28.0					
36111	M	35	32.128	106.078	2	15	06/30/77	8	28.0					
36112	H	35	32.143	106.079	2	96	06/30/77	8	28.0					
36113	M	35	32.157	106.078	2	15	06/30/77	9	28.0					
36114	H	35	32.172	106.077	2	96	06/30/77	8	29.0					
36115	M	35	32.159	106.090	2	15	06/30/77	9	28.0					
36116	M	35	32.145	106.092	2	15	06/30/77	9	28.0					
36117	M	35	32.133	106.101	2	15	06/30/77	9	28.0					
36118	M	35	32.168	106.123	2	15	06/30/77	9	31.0					
36119	M	35	32.181	106.102	2	15	06/30/77	9	32.0					
36120	H	35	32.186	106.076	2	96	06/30/77	9	31.0					
36121	M	35	32.198	106.074	2	15	06/30/77	9	32.0					
36122	M	35	32.208	106.064	2	15	06/30/77	10	32.0					
36123	M	35	32.215	106.053	2	15	06/30/77	10	32.0					
36124	M	35	32.213	106.032	2	15	06/30/77	10	32.0					
36125	M	35	32.203	106.021	2	15	06/30/77	10	32.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
36070	1	4	1	1	4	1			2	2	2.10	<2	4.14	15
36071	1	6	1	1	4	1			2	2	2.10	<2	4.27	14
36072	1	5	1	1	4	1			2	2	2.20	<2	4.36	16
36073		2	1	6	5	6			1	1	2.40	<2	3.95	20
36074	1	5	1	1	4	1			2	2	2.60	<2	3.94	21
36075	1	13	1	1	4	1			2	2	2.20	<2	4.90	24
36076		5	1	6	4	6			1	1	2.50	<2	4.49	<10
36077	1	4	1	6	4	6			2	2	2.00	<2	4.12	<10
36078		5	1	6	4	6			1	1	2.70	<2	4.05	14
36079	1	4	1	6	4	6			2	2	3.10	<2	3.74	<10
36080		4	1	6	4	6			1	1	2.30	<2	4.15	12
36081	1	6	1	6	4	6			2	2	1.80	<2	3.73	15
36082		6	1	6	4	6			1	1	2.30	<2	3.73	<10
36083	1	6	1	6	4	6			2	2	2.20	<2	4.24	<10
36084		2	1	6	4	6			1	1	2.10	<2	3.73	<10
36085	1	6	1	6	4	6			2	2	2.70	<2	3.91	11
36086		6	1	6	4	6			1	1	2.50	<2	4.21	16
36087	1	3	1	6	4	6			2	2	2.60	<2	4.91	18
36088		4	1	6	4	6			1	1	2.80	<2	3.82	14
36089	1	4	1	6	4	6			2	2	2.70	<2	3.98	<10
36090		6	1	6	4	6			1	1	2.80	<2	3.36	10
36092	1	4	1	6	5	6			2	2	2.00	<2	4.55	11
36093		9	1	6	4	6			1	2	2.40	<2	4.74	10
36094	1	6	1	6	4	6			2	2	2.50	<2	4.97	15
36095		6	1	6	4	6			1	2	2.60	<2	4.61	12
36096	1	6	1	6	4	6			2	2	3.00	<2	4.85	12
36097		9	1	6	4	6			1	2	2.50	<2	4.59	<10
36098	1	6	1	6	4	6			2	2	2.00	<2	4.80	12
36099		3	1	6	4	6			1	2	2.70	<2	5.18	13
36100	1	13	1	6	4	6			2	2	2.30	<2	5.51	18
36101		9	1	6	4	6			1	2	2.30	<2	4.28	20
36102	1	11	1	7	4	6			3	2	4.10	<2	3.73	20
36103	1	4	1	7	4	6			3	2	3.00	<2	4.11	21
36104	1	5	1	6	4	6			2	2	2.30	<2	4.56	23
36105		12	1	6	4	6			1	2	2.40	<2	3.77	16
36106	1	9	1	6	4	6			2	2	2.40	<2	3.85	14
36107		9	1	6	4	6			1	2	2.50	<2	4.45	20
36108	1	4	1	7	4	6			2	2	2.40	<2	3.46	19
36109		9	1	6	4	6			1	2	1.90	<2	4.47	15
36110	1	3	1	6	4	6			2	1	1.80	<2	4.09	10
36111	1	13	1	6	4	6			2	1	2.30	<2	4.31	19
36112		6	1	6	4	6			1	1	2.30	<2	3.64	14
36113	1	15	1	6	4	6			2	1	2.20	<2	4.09	17
36114		4	1	6	5	6			1	1	4.00	<2	3.10	15
36115	1	6	1	6	4	6			2	2	2.40	<2	5.20	31
36116	1	18	1	6	4	6			2	1	2.10	<2	3.93	14
36117	5	6	1	6	4	6			2	2	2.70	<2	4.60	<10
36118	1	4	1	6	5	6			3	2	2.20	<2	4.83	11
36119	1	3	1	6	4	6			2	2	2.00	<2	4.51	12
36120		8	1	6	4	6			1	1	2.70	<2	4.96	15
36121	1	3	1	6	4	6			2	1	2.10	<2	4.31	10
36122	1	9	1	6	5	6			2	2	2.70	<2	4.97	14
36123	1	5	1	6	5	6			2	2	2.00	<2	4.36	12
36124	1	4	1	6	5	6			2	2	1.50	<2	4.59	13
36125	1	9	1	6	5	6			2	2	2.30	<2	5.44	11

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	NG	MN	MO
36070	595	1	6.15	38	4	22	13	1.61	<15	1.23	16	18	0.49	243	<4
36071	569	1	2.63	38	<4	19	12	1.43	<15	1.50	16	20	0.70	284	<4
36072	437	1	7.17	37	5	25	15	1.72	22	1.27	17	23	0.89	246	<4
36073	452	1	7.33	34	5	23	14	1.57	20	1.12	15	21	1.01	304	<4
36074	422	1	11.24	40	5	23	16	1.64	<15	1.02	17	22	1.22	285	<4
36075	515	1	2.77	44	5	26	15	1.69	<15	1.44	20	24	0.69	290	<4
36076	545	1	0.45	43	4	20	10	1.60	<15	1.43	21	19	0.30	198	<4
36077	543	1	0.78	38	<4	17	10	1.51	<15	1.40	18	17	0.28	214	<4
36078	527	1	1.39	40	4	19	10	1.66	<15	1.32	19	17	0.31	240	<4
36079	480	1	1.12	54	5	25	9	2.42	<15	1.13	25	16	0.31	344	<4
36080	504	1	0.42	41	<4	18	9	1.45	<15	1.10	18	16	0.28	184	<4
36081	515	1	0.49	53	4	19	8	1.61	<15	1.00	24	14	0.26	223	<4
36082	530	1	0.45	44	<4	18	11	1.51	<15	1.08	20	14	0.24	206	<4
36083	488	1	2.74	42	4	22	9	1.84	<15	0.97	18	19	0.44	214	<4
36084	531	1	1.80	34	<4	17	11	1.41	<15	1.01	16	16	0.34	191	<4
36085	537	1	0.75	39	4	18	8	1.70	<15	1.05	20	16	0.30	241	<4
36086	518	1	1.19	41	4	21	11	1.87	<15	1.00	19	17	0.39	237	<4
36087	517	1	0.53	38	5	28	11	2.41	58	1.02	20	22	0.41	268	<4
36088	520	1	0.89	45	4	22	9	1.99	22	0.96	22	14	0.26	270	<4
36089	535	1	0.48	35	4	19	8	1.77	46	0.99	18	14	0.28	224	<4
36090	487	1	2.65	43	4	20	11	1.90	<15	0.74	19	12	0.34	268	<4
36092	574	1	3.48	33	<4	17	8	1.32	<15	1.79	15	18	0.34	228	<4
36093	590	1	3.32	44	4	19	11	1.49	<15	1.71	20	17	0.37	271	<4
36094	555	1	4.96	44	<4	20	13	1.57	<15	1.81	18	22	0.48	299	<4
36095	557	1	4.76	48	4	20	11	1.60	<15	1.57	21	18	0.43	301	<4
36096	568	1	2.57	43	4	21	12	1.97	<15	1.89	20	21	0.38	326	<4
36097	569	1	1.39	49	4	19	10	1.82	<15	1.79	21	18	0.34	278	<4
36098	544	1	3.18	34	4	19	11	1.51	<15	1.89	16	23	0.45	264	<4
36099	567	1	3.70	54	5	25	15	1.78	15	1.74	24	23	0.51	298	<4
36100	539	1	5.00	45	5	27	21	1.91	<15	1.80	20	27	0.66	369	<4
36101	548	1	1.77	44	5	32	11	2.48	15	1.18	23	15	0.42	339	<4
36102	499	1	5.58	67	10	34	15	5.46	<15	0.92	31	12	0.46	913	<4
36103	519	1	6.18	41	4	24	14	2.09	<15	1.10	19	13	0.45	445	<4
36104	513	1	5.54	40	5	26	16	1.94	<15	1.17	19	16	0.56	334	<4
36105	542	1	2.36	39	<4	24	11	1.72	<15	1.01	19	10	0.33	297	<4
36106	536	1	2.76	35	<4	25	11	1.86	<15	1.12	17	12	0.36	326	<4
36107	558	1	4.56	46	4	28	15	1.83	<15	1.19	24	15	0.54	323	<4
36108	468	1	9.24	30	4	22	14	1.45	<15	0.94	15	17	0.60	230	<4
36109	605	1	1.71	35	<4	18	9	1.44	<15	1.58	17	15	0.33	237	<4
36110	590	1	1.74	31	<4	17	9	1.40	<15	1.58	14	15	0.26	225	<4
36111	559	1	2.44	37	4	23	12	1.72	<15	1.30	13	14	0.42	280	<4
36112	518	1	3.16	38	4	24	9	1.80	<15	1.13	17	12	0.31	273	<4
36113	552	1	1.24	37	4	25	12	1.92	<15	1.36	15	13	0.30	299	<4
36114	468	1	2.33	51	7	42	12	4.37	<15	1.00	25	10	0.30	657	<4
36115	514	2	3.49	42	5	32	16	2.09	<15	1.26	21	19	0.73	412	<4
36116	569	1	1.06	37	4	24	9	1.65	<15	1.17	18	11	0.31	254	<4
36117	577	1	0.65	58	4	22	9	2.05	<15	1.55	29	16	0.31	294	<4
36118	551	1	5.95	47	5	25	14	1.88	<15	1.34	21	21	0.64	254	<4
36119	590	1	0.56	48	<4	20	10	1.59	<15	1.54	22	15	0.27	238	<4
36120	591	1	2.10	57	6	28	14	2.07	<15	1.51	26	17	0.47	344	<4
36121	558	1	4.08	38	<4	21	8	1.43	<15	1.50	19	15	0.33	214	<4
36122	570	1	1.97	59	6	27	13	2.08	<15	1.45	27	17	0.49	349	<4
36123	597	1	1.73	30	<4	16	8	1.33	<15	1.63	15	15	0.30	204	<4
36124	591	1	1.54	45	4	20	10	1.57	<15	1.52	21	15	0.41	269	<4
36125	593	1	3.00	50	5	26	15	1.84	<15	1.64	23	21	0.63	413	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TJ	TI	V	Y	ZN	ZR
36070	0.65	8	12	248	11	3	270	4	2016	38	9	42	44
36071	0.96	7	6	392	<10	3	249	2	1975	35	9	40	42
36072	0.73	9	12	575	12	4	416	5	1847	42	10	46	44
36073	0.70	8	9	693	13	4	405	6	1922	39	10	48	46
36074	0.57	10	11	640	<10	4	614	8	1777	39	9	49	45
36075	0.84	8	13	443	21	4	198	6	1906	44	10	53	45
36076	0.94	7	12	145	13	3	152	8	2193	43	8	36	48
36077	0.90	7	9	153	11	3	149	6	2218	40	8	36	45
36078	0.86	8	8	201	<10	3	163	4	2447	44	8	38	50
36079	0.73	15	9	188	15	3	144	6	3848	71	12	48	65
36080	0.75	8	7	138	13	3	141	5	1857	38	8	35	45
36081	0.73	11	9	120	19	3	155	8	2456	46	9	33	49
36082	0.70	8	4	121	28	3	136	8	2219	40	8	40	41
36083	0.62	11	11	176	21	3	192	10	2390	54	10	40	58
36084	0.68	6	6	173	25	3	135	4	1942	41	7	35	44
36085	0.71	8	6	129	15	3	159	7	2554	47	9	34	51
36086	0.64	8	8	185	23	3	149	12	2342	49	9	44	49
36087	0.65	11	11	171	16	4	147	3	2930	62	11	50	66
36088	0.65	12	3	175	12	3	152	5	2913	55	9	39	53
36089	0.68	9	7	148	10	3	142	2	2378	46	9	40	51
36090	0.53	11	5	183	16	3	175	9	2779	51	10	38	47
36092	1.27	10	8	246	15	2	234	<2	1892	33	8	35	44
36093	1.31	13	8	305	14	3	257	9	2163	38	9	40	49
36094	1.31	12	10	409	<10	3	284	8	2079	38	10	47	52
36095	1.22	14	9	321	15	3	295	5	2304	40	10	43	56
36096	1.26	14	7	335	<10	3	199	<2	3083	49	10	49	62
36097	1.16	12	9	227	18	3	179	6	2761	45	9	43	55
36098	1.05	9	8	335	<10	3	185	<2	1918	36	9	42	48
36099	1.13	10	10	391	20	4	246	10	2372	45	11	48	62
36100	0.94	8	12	656	29	4	253	5	1966	44	11	61	55
36101	0.67	15	12	243	11	4	164	8	3823	65	12	50	105
36102	0.72	40	12	499	24	4	242	7	8582	133	16	101	124
36103	0.83	23	10	395	14	3	267	<2	3535	50	13	54	80
36104	0.66	14	12	438	14	4	226	4	2646	44	12	53	71
36105	0.68	23	8	238	<10	3	185	8	2933	43	11	45	81
36106	0.70	20	9	268	16	3	197	7	3205	46	11	45	79
36107	0.74	14	10	421	24	4	244	4	2842	44	12	54	76
36108	0.59	14	8	237	19	3	407	3	2308	40	10	40	64
36109	0.98	11	6	170	14	3	174	<2	2253	34	8	35	51
36110	1.00	11	5	153	11	2	163	<2	2428	33	8	28	58
36111	0.69	11	9	286	17	3	161	<2	2585	41	10	43	68
36112	0.61	17	9	169	13	3	160	5	3127	45	10	38	76
36113	0.75	12	10	195	18	3	146	3	3401	47	11	45	103
36114	0.56	28	11	149	<10	4	142	3	8497	118	16	75	161
36115	0.61	14	14	665	12	5	196	7	2716	46	13	65	83
36116	0.67	10	9	211	15	3	151	2	2691	41	10	44	68
36117	0.88	12	11	143	16	3	146	11	3179	49	11	44	59
36118	0.71	10	15	307	13	4	247	11	2381	51	12	40	64
36119	0.94	10	11	154	16	3	155	4	2477	39	10	37	54
36120	0.87	14	13	390	25	4	187	<2	2992	50	13	53	69
36121	0.88	9	9	227	<10	3	196	5	2205	35	9	32	56
36122	0.83	14	12	326	25	4	174	9	2869	48	13	45	70
36123	0.94	7	7	174	15	2	163	2	2051	30	9	32	50
36124	0.85	9	14	269	23	3	169	3	2204	37	10	38	55
36125	0.94	11	13	506	18	4	223	7	2294	42	12	48	62

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEN	COMM	MEAS	PH	CT-F
36126	M	35	32.194	106.010	2	15	06/30/77	10	32.0					
36127	M	35	32.229	106.051	2	15	06/30/77	10	32.0					
36128	M	35	32.241	106.057	2	15	06/30/77	10	34.0					
36129	M	35	32.241	106.092	2	15	06/30/77	10	34.0					
36130	M	35	32.231	106.115	2	15	06/30/77	10	34.0					
36131	M	35	32.226	106.126	2	15	06/30/77	10	34.0					
36132	M	35	32.218	106.140	2	15	06/30/77	10	34.0					
36133	M	35	32.211	106.157	2	15	06/30/77	11	34.0					
36134	M	35	32.204	106.173	2	15	06/30/77	11	34.0					
36135	M	35	32.207	106.190	2	15	06/30/77	11	34.0					
36136	M	35	32.219	106.185	2	15	06/30/77	11	34.0					
36137	M	35	32.229	106.176	2	15	06/30/77	11	34.0					
36138	M	35	32.242	106.171	2	15	06/30/77	11	34.0					
36139	M	35	32.196	106.201	2	15	06/30/77	11	34.0					
36140	M	35	32.183	106.207	2	15	06/30/77	11	34.0					
36141	M	35	32.172	106.216	2	15	06/30/77	11	34.0					
36142	M	35	32.160	106.221	2	15	06/30/77	11	34.0					
36143	M	35	32.149	106.231	2	15	06/30/77	11	34.0					
36144	M	35	32.138	106.234	2	15	06/30/77	11	34.0					
36145	M	35	32.131	106.223	2	15	06/30/77	11	34.0					
36146	M	35	32.126	106.245	2	15	06/30/77	11	34.0					
36147	M	35	32.126	106.211	2	15	06/30/77	11	34.0					
36148	M	35	32.143	106.184	2	15	06/30/77	12	35.0					
36149	M	35	32.153	106.168	2	15	06/30/77	12	35.0					
36150	M	35	32.156	106.158	2	15	06/30/77	12	34.0					
36151	M	35	32.090	106.200	2	15	06/30/77	13	35.0					
36152	M	35	32.079	106.221	2	15	06/30/77	13	35.0					
36153	M	35	32.078	106.241	2	15	06/30/77	13	35.0					
36154	M	35	32.063	106.222	2	15	06/30/77	14	35.0					
36155	M	35	32.048	106.219	2	15	06/30/77	14						
36156	M	35	32.039	106.229	2	15	06/30/77	14	35.0					
36157	M	35	32.032	106.249	2	15	06/30/77	14	35.0					
36158	M	35	32.030	106.211	2	15	06/30/77	14	35.0					
36159	M	35	32.014	106.208	2	15	06/30/77	14	35.0					
36160	M	35	32.027	106.189	2	15	06/30/77	14	35.0					
36161	M	35	32.027	106.167	2	15	06/30/77	14	35.0					
36162	M	35	32.027	106.151	2	15	06/30/77	14	35.0					
36163	M	35	32.014	106.142	2	15	06/30/77	14						
36164	M	35	32.042	106.146	2	15	06/30/77	14	35.0					
36165	M	35	32.054	106.136	2	15	06/30/77	14	35.0					
36166	M	35	32.069	106.144	2	15	06/30/77	14	35.0					
36167	M	35	32.082	106.149	2	15	06/30/77	14	35.0					
36168	M	35	32.096	106.156	2	15	06/30/77	15	35.0					
36169	M	35	32.109	106.166	2	15	06/30/77	15	35.0					
36170	M	35	32.121	106.154	2	15	06/30/77	15	35.0					
36171	M	35	32.115	106.143	2	15	06/30/77	15	35.0					
36172	M	35	32.101	106.141	2	15	06/30/77	15	35.0					
36173	M	35	32.095	106.139	2	15	06/30/77	15	35.0					
36174	M	35	32.136	106.496	2	15	07/01/77	10	34.0					
36175	M	35	32.150	106.494	2	15	07/01/77	10	34.0					
36176	M	35	32.159	106.482	2	15	07/01/77	10	34.0					
36177	M	35	32.167	106.470	2	15	07/01/77	10	34.0					
36178	M	35	32.174	106.455	2	15	07/01/77	10	35.0					
36179	M	35	32.181	106.451	2	15	07/01/77	10	34.0					
36180	M	35	32.194	106.444	2	15	07/01/77	10	34.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CANT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	REL F	SKY	U	AG	AL	B
36126	1	10	1	6	5	6			2	2	2.40	<2	4.71	19
36127	1	9	1	6	5	6			2	2	2.10	<2	4.74	15
36128	1	4	1	6	4	6			2	2	2.30	<2	4.35	13
36129	1	3	1	6	5	6			2	2	3.70	<2	4.34	12
36130	1	9	1	6	4	6			2	2	2.40	<2	5.04	13
36131	1	4	1	6	4	6			2	2	2.20	<2	3.97	<10
36132	1	3	1	6	4	6			2	2	2.20	<2	4.81	15
36133	1	3	1	6	4	6			2	2	2.50	<2	4.41	11
36134	1	3	1	6	4	6			2	2	2.20	<2	4.85	13
36135	1	2	1	6	4	6			2	2	2.00	<2	4.59	16
36136	1	3	1	6	4	6			2	2	2.10	<2	5.09	15
36137	1	6	1	6	4	6			2	2	2.70	<2	5.08	15
36138	1	9	1	6	4	6			2	2	2.30	<2	4.63	13
36139	1	6	1	6	4	6			2	2	2.40	<2	5.99	15
36140	1	8	1	6	4	6			2	2	2.30	<2	5.45	18
36141	1	9	1	6	4	6			2	2	2.40	<2	4.17	12
36142	1	10	1	6	4	6			2	2	2.60	<2	4.14	12
36143	1	1	1	6	4	6			2	2	2.30	<2	4.06	13
36144	1	6	1	6	4	6			2	2	2.40	<2	4.39	17
36145	1	2	1	6	4	6			2	2	2.20	<2	4.22	<10
36146	1	8	1	6	4	6			2	2	2.50	<2	4.47	11
36147	1	8	1	6	4	6			2	2	2.50	<2	4.79	13
36148	1	12	1	6	4	6			2	2	2.10	<2	3.97	12
36149	1		1	6	4	6			2	2	2.20	<2	4.30	15
36150	1	6	1	6	4	6			2	2	2.60	<2	4.45	18
36151	1	2	1	6	4	6			2	2	2.20	<2	4.25	12
36152	1	4	1	6	4	6			2	2	2.60	<2	3.90	11
36153	1	6	1	6	4	6			2	2	2.40	<2	4.03	<10
36154	1	4	1	6	4	6			2	2	2.20	<2	4.45	13
36155	1	4	1	6	4	6			2	2	2.50	<2	2.38	<10
36156	1	4	1	6	4	6			2	2	2.50	<2	4.43	<10
36157	1	3	1	6	4	6			2	2	2.30	<2	4.46	11
36158	2	5	1	6	4	6			2	1	2.20	<2	4.43	<10
36159	1	10	1	6	4	6			2	2	2.70	<2	3.93	<10
36160	1	4	1	6	4	6			2	2	2.60	<2	4.11	<10
36161	1	6	1	6	4	6			2	2	2.60	<2	4.14	<10
36162	1	5	1	6	4	6			2	2	2.10	<2	4.06	<10
36163	1	2	1	6	4	6			2	2	2.40	<2	4.14	<10
36164	1		1	6	4	6			2	2	2.30	<2	4.59	<10
36165	1	4	1	6	4	6			2	2	2.20	<2	3.91	<10
36166	1	5	1	6	4	6			2	2	2.10	<2	4.01	<10
36167	1	2	1	6	4	6			2	2	2.30	<2	4.51	<10
36168	1	5	1	6	4	6			2	2	2.70	<2	4.54	<10
36169	1	4	1	6	4	6			2	2	2.10	<2	4.58	<10
36170	1	4	1	6	4	6			2	2	2.50	<2	4.77	<10
36171	1	5	1	6	4	6			2	2	2.70	<2	4.31	<10
36172	1	5	1	6	4	6			2	2	2.80	<2	4.87	11
36173	1	11	1	6	4	6			2	2	2.30	<2	4.44	<10
36174	1	9	1	6	4	6			2	1	2.50	<2	4.92	10
36175	1	5	1	6	4	6			2	1	3.10	<2	5.85	14
36176	1	10	1	6	5	6			2	1	2.50	<2	5.61	<10
36177	1	5	1	6	4	6			2	1	2.80	<2	5.76	<10
36178	1	10	1	6	4	6			2	1	2.60	<2	5.75	<10
36179	1	12	1	6	4	6			2	1	5.90	<2	4.07	<10
36180	1	3	1	6	4	6			2	1	3.70	<2	3.75	<10

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
36126	532	1	5.11	43	5	26	12	1.67	<15	1.41	21	18	0.55	289	<4
36127	586	1	1.78	41	5	22	11	1.68	<15	1.57	19	16	0.42	313	<4
36128	540	1	3.34	46	5	22	11	2.23	<15	1.46	21	17	0.40	315	<4
36129	570	1	0.65	44	4	20	10	1.80	<15	1.64	21	16	0.25	275	<4
36130	569	1	0.53	50	4	26	10	2.10	<15	1.65	25	19	0.37	279	<4
36131	546	1	1.15	53	5	20	8	1.90	<15	1.45	25	14	0.25	261	<4
36132	585	1	1.01	40	4	19	8	1.50	<15	1.64	18	20	0.31	173	<4
36133	563	1	1.31	39	<4	16	26	1.34	<15	1.67	19	18	0.30	164	<4
36134	537	1	3.16	49	5	22	13	1.72	<15	1.56	23	21	0.47	217	<4
36135	601	1	2.50	46	4	19	16	1.62	<15	1.65	21	20	0.42	214	<4
36136	592	1	1.95	37	4	22	12	1.73	<15	1.88	17	23	0.42	228	<4
36137	571	1	0.88	47	4	22	10	1.90	16	1.82	22	23	0.33	244	<4
36138	600	1	0.53	42	<4	16	7	1.24	<15	1.85	20	18	0.28	146	<4
36139	762	1	1.73	59	4	25	17	1.98	<15	2.02	27	24	0.41	270	<4
36140	578	1	2.93	47	5	27	15	2.02	<15	1.28	22	25	0.68	251	<4
36141	553	1	4.01	36	4	19	10	1.66	<15	1.17	18	18	0.43	209	<4
36142	932	1	4.05	44	5	22	11	2.01	<15	1.09	20	21	0.56	272	<4
36143	542	1	3.81	38	4	21	8	1.96	<15	1.08	20	16	0.43	251	<4
36144	565	1	2.31	43	5	21	11	2.00	<15	1.17	21	15	0.38	264	<4
36145	542	1	1.39	45	4	24	11	2.23	<15	1.16	23	16	0.32	304	<4
36146	548	1	1.30	57	5	28	11	2.39	<15	1.14	28	16	0.35	313	<4
36147	570	1	0.64	39	4	23	10	1.89	<15	1.25	21	18	0.34	224	<4
36148	550	1	1.65	36	<4	18	8	1.56	<15	1.13	15	14	0.32	215	<4
36149	545	1	2.07	38	4	22	10	1.85	<15	1.08	21	15	0.44	245	<4
36150	587	1	1.86	51	5	24	11	2.03	<15	1.04	24	16	0.49	296	<4
36151	587	1	1.30	39	<4	21	9	1.82	<15	1.15	21	14	0.34	260	<4
36152	574	1	1.96	37	4	20	8	1.89	<15	1.06	22	16	0.44	250	<4
36153	595	1	2.19	39	<4	18	10	1.63	17	1.11	21	17	0.48	216	<4
36154	563	1	0.69	33	4	22	11	1.80	<15	1.15	18	14	0.36	230	<4
36155	374	1	0.52	34	<4	15	7	1.41	<15	0.78	17	9	0.21	190	<4
36156	562	1	0.59	45	5	22	11	1.93	<15	1.09	23	14	0.36	248	<4
36157	550	1	1.64	50	6	29	13	2.45	<15	1.06	25	14	0.41	340	<4
36158	565	1	2.76	41	4	21	10	1.73	<15	1.04	22	14	0.42	224	<4
36159	551	1	0.47	30	<4	17	10	1.69	<15	1.05	17	12	0.25	230	<4
36160	554	1	1.93	47	5	21	9	1.95	<15	1.05	23	14	0.42	277	<4
36161	542	1	2.13	54	6	25	10	2.14	<15	1.03	26	14	0.40	294	<4
36162	563	1	1.07	45	5	24	11	2.12	<15	1.05	25	12	0.29	312	<4
36163	547	1	0.63	51	6	23	8	2.72	<15	0.94	26	10	0.29	406	<4
36164	621	1	0.69	40	<4	16	8	1.47	<15	1.34	19	13	0.29	198	<4
36165	594	1	0.40	22	<4	10	6	0.82	<15	1.39	11	12	0.14	102	<4
36166	570	1	1.51	35	4	17	13	1.59	<15	1.25	18	14	0.28	229	<4
36167	582	1	0.55	38	4	23	8	2.14	<15	1.34	20	15	0.26	298	<4
36168	565	1	0.95	58	5	28	11	2.68	<15	1.28	30	16	0.31	376	<4
36169	567	1	2.64	45	4	22	12	1.85	17	1.31	24	22	0.45	241	<4
36170	572	1	0.79	42	4	23	11	1.99	18	1.42	22	20	0.34	243	<4
36171	583	1	0.92	44	4	22	10	2.19	<15	1.32	21	15	0.27	303	<4
36172	536	1	9.20	47	6	30	19	2.01	<15	1.08	24	18	0.72	369	<4
36173	594	1	4.07	36	<4	19	13	1.62	<15	1.30	19	14	0.44	292	<4
36174	591	1	2.63	43	4	22	13	1.88	<15	1.35	23	19	0.54	274	<4
36175	608	2	3.31	67	7	29	20	2.31	<15	1.45	33	23	1.01	634	<4
36176	652	2	2.39	63	5	26	16	2.12	<15	1.53	31	21	0.87	553	<4
36177	569	2	4.36	78	10	37	24	2.84	<15	1.26	35	22	1.28	640	<4
36178	589	2	2.56	51	7	36	26	2.53	<15	1.38	27	22	0.92	473	<4
36179	536	1	2.08	66	10	76	14	5.26	<15	1.12	33	13	0.74	682	<4
36180	595	<1	2.35	94	17	63	13	7.91	<15	0.86	43	13	0.69	1083	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NR	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
36126	0.86	10	12	335	18	4	300	6	2200	40	10	42	58
36127	0.88	9	8	277	17	3	167	4	2289	38	10	40	56
36128	0.72	10	12	242	17	4	157	10	3249	55	10	45	65
36129	0.89	12	10	150	12	3	135	3	3019	46	10	39	60
36130	0.92	13	15	169	18	4	154	<2	3033	51	11	43	75
36131	0.91	13	11	132	16	3	145	5	3213	49	10	36	64
36132	0.88	9	12	119	20	3	159	5	1930	39	8	32	49
36133	0.88	8	9	137	<10	3	158	2	1854	36	8	39	47
36134	0.83	11	12	228	<10	4	180	9	2318	45	10	35	58
36135	0.91	12	11	205	30	3	178	5	2295	42	9	74	50
36136	1.03	10	14	219	<10	3	182	<2	2369	45	9	41	59
36137	1.01	9	11	144	<10	3	159	<2	2712	49	10	42	59
36138	0.99	8	9	118	18	3	149	7	1618	30	8	28	45
36139	1.12	12	12	199	20	4	212	9	2903	54	12	46	63
36140	0.71	10	15	337	17	5	351	5	2382	73	11	48	62
36141	0.68	12	11	150	21	3	212	5	2312	44	9	43	48
36142	0.66	10	11	194	10	3	230	<2	2881	62	11	44	62
36143	0.64	10	13	151	11	3	186	6	2779	52	10	40	58
36144	0.67	12	10	173	28	3	173	6	2830	52	10	51	59
36145	0.69	12	11	165	11	3	155	3	3355	57	10	44	69
36146	0.68	13	10	195	20	4	154	9	3440	61	12	48	79
36147	0.68	10	11	169	20	4	140	5	2269	44	10	40	59
36148	0.67	9	7	175	<10	3	168	3	2306	40	8	34	47
36149	0.64	9	9	256	<10	4	164	6	2631	48	10	39	61
36150	0.63	11	12	243	12	4	195	8	2839	57	11	42	61
36151	0.74	9	6	165	19	3	173	<2	2868	45	10	40	57
36152	0.67	11	3	123	<10	3	189	<2	2846	47	10	38	60
36153	0.71	9	6	135	19	3	192	5	2457	43	9	39	51
36154	0.71	8	8	143	12	3	151	2	2514	41	9	42	56
36155	0.47	8	7	90	13	2	108	4	2108	34	8	31	45
36156	0.67	10	10	133	20	3	150	9	2540	45	10	43	59
36157	0.69	15	12	226	19	4	172	5	3720	61	13	55	74
36158	0.66	11	8	224	12	3	199	5	2329	43	10	40	53
36159	0.64	8	5	96	<10	3	136	<2	2460	40	9	38	50
36160	0.68	10	8	213	17	3	184	6	2968	51	11	44	63
36161	0.65	13	8	207	25	4	184	11	3276	54	11	48	67
36162	0.70	12	7	141	16	3	160	3	3503	54	10	48	66
36163	0.66	15	10	140	10	4	159	2	4731	66	12	47	77
36164	0.84	10	8	136	<10	3	159	4	2114	32	9	33	50
36165	0.82	6	5	78	12	1	126	3	1096	18	5	34	31
36166	0.78	10	10	125	12	3	160	2	2530	39	8	37	53
36167	0.86	13	10	121	<10	3	154	4	3471	52	10	41	70
36168	0.80	14	14	147	<10	4	159	<2	4272	67	12	53	80
36169	0.79	10	14	187	14	3	184	3	2729	48	10	44	63
36170	0.83	13	10	138	13	4	154	3	2785	49	11	45	63
36171	0.81	12	11	127	10	3	156	3	3513	55	9	45	64
36172	0.73	16	19	471	23	4	355	9	2457	47	13	62	69
36173	0.92	13	8	326	13	3	254	2	2306	39	10	48	53
36174	0.77	10	13	248	28	4	197	5	2295	45	11	46	56
36175	0.71	16	19	603	47	5	213	12	2480	50	18	76	68
36176	0.89	14	16	525	23	4	215	4	2591	48	16	65	71
36177	0.60	14	23	823	33	7	207	9	2838	60	20	87	69
36178	0.73	11	22	641	28	6	191	6	2696	53	16	75	62
36179	0.73	19	20	292	22	6	168	6	6991	137	18	73	88
36180	0.63	35	18	416	20	6	206	10	9623	238	20	126	111

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
36181	M	35	32.203	106.439	2	15	07/01/77	10	34.0					
36182	M	35	32.217	106.424	2	15	07/01/77	10	34.0					
36183	M	35	32.221	106.417	2	15	07/01/77	10	35.0					
36184	M	35	32.233	106.410	2	15	07/01/77	10	35.0					
36185	M	35	32.247	106.416	2	15	07/01/77	11	35.0					
36186	M	35	32.226	106.394	2	15	07/01/77	11	37.0					
36187	H	35	32.236	106.387	2	96	07/01/77	11	34.0					
36188	M	35	32.213	106.402	2	15	07/01/77	15	40.0					
36189	M	35	32.202	106.408	2	15	07/01/77	15	40.0					
36190	M	35	32.193	106.422	2	15	07/01/77	15	40.0					
36191	M	35	32.175	106.422	2	15	07/01/77	15	40.0					
36192	M	35	32.162	106.422	2	15	07/01/77	15	40.0					
36193	M	35	32.146	106.422	2	15	07/01/77	15	40.0					
36194	M	35	32.131	106.423	2	15	07/01/77	15	40.0					
36195	M	35	32.126	106.405	2	15	07/01/77	15	40.0					
36196	M	35	32.137	106.439	2	15	07/01/77	15	40.0					
36197	M	35	32.146	106.464	2	15	07/01/77	15						
36198	M	35	32.131	106.458	2	15	07/01/77	16	40.0					
36199	M	35	32.317	106.408	2	15	07/01/77	13	40.0					
36200	M	35	32.295	106.384	2	15	07/01/77	13	40.0					
36201	M	35	32.257	106.383	2	15	07/01/77	14	40.0					
36202	M	35	32.254	106.421	2	15	07/01/77	14	40.0					
36203	M	35	32.259	106.422	2	15	07/01/77	14	40.0					
36204	M	35	32.265	106.424	2	15	07/01/77	14	40.0					
36205	M	35	32.277	106.430	2	15	07/01/77	14	40.0					
36206	M	35	32.236	106.435	2	15	07/01/77	14	40.0					
36207	M	35	32.295	106.437	2	15	07/01/77	14	40.0					
36208	M	35	32.303	106.466	2	15	07/01/77	14	40.0					
36209	M	35	32.322	106.462	2	15	07/01/77	14	40.0					
36210	M	35	32.329	106.459	2	15	07/01/77	14	40.0					
36211	M	35	32.313	106.465	2	15	07/01/77	15	40.0					
36212	M	35	32.118	106.458	2	15	07/01/77	16	40.0					
36213	M	35	32.102	106.457	2	15	07/01/77	16	40.0					
36214	M	35	32.090	106.471	2	15	07/01/77	16	35.0					
36215	M	35	32.084	106.487	2	15	07/01/77	16	35.0					
36216	M	35	32.102	106.489	2	15	07/01/77	16	35.0					
36217	M	35	32.123	106.494	2	15	07/01/77	16	35.0					
36218	M	35	32.095	106.449	2	15	07/01/77	16	34.0					
36219	M	35	32.100	106.426	2	15	07/01/77	16	34.0					
36220	M	35	32.104	106.411	2	15	07/01/77	16	35.0					
36221	M	35	32.094	106.396	2	15	07/01/77	16	34.0					
36222	M	35	32.109	106.390	2	15	07/01/77	17	35.0					
36223	M	35	32.121	106.389	2	15	07/01/77	17	35.0					
36224	M	35	32.118	106.372	2	15	07/01/77	17	35.0					
36225	M	35	32.113	106.356	2	15	07/01/77	17	35.0					
36226	M	35	32.107	106.335	2	15	07/01/77	17	35.0					
36227	M	35	32.100	106.319	2	15	07/01/77	17	35.0					
36228	M	35	32.093	106.305	2	15	07/01/77	17	35.0					
36229	M	35	32.087	106.293	2	15	07/01/77	17	35.0					
36230	M	35	32.079	106.275	2	15	07/01/77	17	32.0					
36231	M	35	32.093	106.266	2	15	07/01/77	17	32.0					
36232	M	35	32.107	106.257	2	15	07/01/77	17	32.0					
36233	M	35	32.067	106.281	2	15	07/02/77	8	25.0					
36234	M	35	32.054	106.289	2	15	07/02/77	8	25.0					
36235	M	35	32.041	106.297	2	15	07/02/77	8	25.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	C&MT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
36181	1	4	1	6	4	6			2	1	1.30	<2	4.18	<10
36182	1	3	1	6	4	6			2	1	1.30	<2	4.41	<10
36183	1	6	1	6	4	6			2	1	1.50	<2	4.13	<10
36184	1	9	1	6	4	6			2	1	1.20	<2	4.67	<10
36185	1	6	1	6	4	6			2	1	2.90	<2	5.46	13
36186	1	9	1	6	4	6			2	1	2.60	<2	5.50	12
36187		18	1	6	5	6			1	1	2.40	<2	6.98	19
36188	1	8	1	6	4	6			2	1	2.10	<2	6.98	11
36189	1	4	1	6	4	6			2	1	1.10	<2	4.92	<10
36190	1	9	1	6	4	6			2	1	2.30	<2	5.72	15
36191	1	4	1	6	4	6			2	1	2.60	<2	5.69	21
36192	1	5	1	6	4	6			2	1	2.60	<2	4.41	13
36193	1	9	1	6	4	6			2	1	2.40	<2	5.60	17
36194	1	8	1	6	4	6			2	1	2.40	<2	4.69	11
36195	1	5	1	6	4	6			2	2	2.20	<2	4.99	10
36196	1	13	1	6	4	6			2	2	2.50	<2	5.38	16
36197	1	3	1	6	4	6			2	1	2.90	<2	5.44	16
36198	1	5	1	6	4	6			2	1	2.40	<2	4.86	13
36199	1	11	1	6	4	6			2	1	4.30	2	8.68	21
36200	1	4	1	6	4	6			2	1	3.60	<2	5.82	19
36201	1	13	1	6	4	6			2	1	2.60	<2	5.96	14
36202		6	1	6	4	6			2	1	2.00	<2	5.44	<10
36203	1	13	1	6	4	6			2	1	4.10	<2	5.42	<10
36204	1	20	1	6	4	6			2	1	14.60	<2	3.87	<10
36205	1	16	1	6	4	6			2	1	3.80	<2	6.80	13
36206	1	13	1	6	4	6			2	1	4.60	<2	5.45	<10
36207	1	13	1	6	4	6			2	1	8.80	<2	5.02	<10
36208	1	5	1	6	4	6			2	1	7.00	<2	6.22	<10
36209	1	17	1	6	3	6			3	1	6.00	<2	6.59	<10
36210	1	34	1	6	4	6			3	1	4.10	<2	5.87	<10
36211	1	11	1	6	4	6			3	2	7.50	<2	6.94	<10
36212	1	4	1	6	4	6			2	1	2.80	<2	4.75	11
36213	1	5	1	6	4	6			2	1	2.60	<2	5.08	10
36214	1	8	1	6	4	6			2	2	2.40	<2	5.11	11
36215	1	6	1	6	4	6			2	1	2.20	<2	4.70	11
36216	1	8	1	6	4	6			2	3	2.30	<2	4.20	12
36217	1	6	1	6	4	6			2	1	2.60	<2	4.62	14
36218	1		1	6	4	6			2	2	1.90	<2	3.92	12
36219	1	9	1	6	4	6			2	2	2.40	<2	3.99	<10
36220	1	6	1	6	4	6			2	1	2.00	<2	4.21	15
36221	1	4	1	6	4	6			2	2	2.50	<2	5.94	18
36222	1	8	1	6	4	6			2	2	2.30	<2	4.52	12
36223	1	6	1	6	4	6			2	2	2.90	<2	5.02	13
36224	1	6	1	6	4	6			2	2	2.10	<2	4.38	12
36225	1	2	1	6	4	6			2	2	2.40	<2	4.63	<10
36226	1	9	1	6	4	6			2	2	2.60	<2	4.64	16
36227	1	3	1	6	4	6			2	2	2.30	<2	5.11	14
36228	1	6	1	6	4	6			2	2	2.50	<2	4.29	13
36229	1	5	1	6	4	6			2	2	2.50	<2	4.32	<10
36230	1	9	1	6	4	6			2	2	2.30	<2	4.40	15
36231	1	4	1	6	4	6			2	2	2.40	<2	4.62	13
36232	1	4	1	6	4	6			2	2	2.20	<2	4.69	13
36233	1	4	1	6	4	6			2	1	3.40	<2	3.36	<10
36234	1	9	1	6	4	6			2	1	3.10	<2	3.86	10
36235	1	9	1	6	4	6			2	1	2.50	<2	4.50	12

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
36181	759	1	0.88	17	<4	6	4	0.62	<15	1.29	8	6	0.16	102	<4
36182	814	1	1.20	33	4	13	10	1.30	<15	1.20	16	8	0.20	282	<4
36183	747	1	1.33	32	4	13	6	1.54	<15	1.23	16	9	0.23	253	<4
36184	869	1	1.21	37	4	13	9	1.30	<15	1.40	18	9	0.24	219	<4
36185	712	1	1.10	57	7	26	22	2.47	<15	1.24	27	16	0.55	421	<4
36186	737	1	2.23	62	9	31	14	3.29	<15	1.59	29	24	0.62	558	<4
36187	671	2	4.25	58	9	32	26	2.77	<15	1.73	27	48	1.29	539	<4
36188	716	2	6.13	60	9	27	27	2.55	<15	1.62	26	54	1.44	547	<4
36189	798	1	1.47	19	<4	11	6	1.03	<15	1.76	11	9	0.26	190	<4
36190	781	1	5.43	50	8	24	17	2.28	<15	1.58	24	26	1.00	438	<4
36191	557	1	2.95	54	7	30	18	2.37	<15	1.69	26	25	0.63	342	<4
36192	553	1	2.81	54	6	28	13	2.47	<15	1.30	27	16	0.43	346	<4
36193	584	2	0.93	46	5	27	17	2.13	<15	1.77	24	24	0.53	294	<4
36194	622	1	2.67	52	5	27	11	2.34	<15	1.51	24	18	0.44	328	<4
36195	587	1	0.53	53	5	26	12	2.26	<15	1.61	27	20	0.30	315	<4
36196	582	1	4.23	45	7	30	15	2.35	<15	1.51	24	23	0.59	297	<4
36197	578	1	3.74	52	6	29	17	2.37	<15	1.72	25	23	0.59	328	<4
36198	602	1	1.53	54	6	25	13	2.06	<15	1.62	25	18	0.39	287	<4
36199	656	4	1.46	124	13	33	30	3.72	<15	2.16	55	42	0.86	1013	<4
36200	602	2	3.32	76	6	26	14	3.03	<15	1.74	37	23	0.69	479	<4
36201	616	2	1.82	60	7	30	22	2.39	<15	1.79	27	28	0.67	446	<4
36202	710	2	1.25	25	<4	12	13	1.07	<15	2.01	11	10	0.29	179	<4
36203	579	2	1.11	87	8	43	17	2.97	<15	1.72	38	22	0.59	488	<4
36204	424	3	1.86	213	11	37	45	9.21	18	1.36	90	16	0.41	1299	<4
36205	578	3	0.69	84	6	23	19	2.52	<15	2.20	37	29	0.42	558	<4
36206	506	3	0.80	155	8	23	16	8.22	<15	1.85	62	20	0.32	1066	<4
36207	473	2	0.39	155	8	22	12	6.93	<15	1.56	68	16	0.28	1060	<4
36208	578	3	1.92	221	9	20	12	5.03	<15	1.55	58	20	0.93	1030	<4
36209	607	3	1.63	177	8	17	16	3.79	<15	1.71	81	21	0.75	876	6
36210	733	3	1.27	377	6	21	10	5.35	<15	1.87	174	10	0.34	976	<4
36211	650	3	1.73	190	9	19	16	4.59	<15	1.91	84	23	0.88	1013	<4
36212	516	1	1.70	54	6	25	12	2.13	<15	1.58	25	19	0.38	283	<4
36213	497	1	3.84	44	6	23	15	2.24	<15	1.64	21	24	0.55	287	<4
36214	535	1	2.54	44	5	21	14	1.84	<15	1.67	21	23	0.46	249	<4
36215	536	1	3.39	44	5	22	14	1.81	19	1.43	20	19	0.52	246	<4
36216	571	1	2.87	45	5	21	11	1.80	<15	1.27	19	17	0.52	246	<4
36217	497	1	4.45	53	6	25	17	2.13	<15	1.21	24	20	0.59	285	<4
36218	521	1	3.26	36	4	18	9	1.47	<15	1.22	18	15	0.37	202	<4
36219	521	1	1.97	49	4	21	8	2.06	<15	1.29	22	17	0.36	307	<4
36220	578	1	3.01	35	<4	19	10	1.66	<15	1.41	17	21	0.45	225	<4
36221	493	1	0.51	47	7	28	15	2.42	<15	1.66	23	26	0.49	351	<4
36222	511	1	1.65	45	4	20	12	1.84	21	1.49	19	18	0.37	253	<4
36223	500	1	0.74	51	5	25	13	2.21	<15	1.51	23	21	0.46	285	<4
36224	520	1	1.82	46	4	21	10	1.68	<15	1.49	19	17	0.32	219	<4
36225	514	1	1.28	41	4	22	11	1.79	<15	1.54	19	18	0.34	235	<4
36226	521	1	2.29	55	6	25	13	2.05	<15	1.31	25	18	0.44	274	<4
36227	524	1	2.44	44	4	23	12	1.92	<15	1.35	19	23	0.46	235	<4
36228	511	1	0.57	50	5	21	9	1.79	<15	1.30	23	14	0.30	235	<4
36229	508	1	0.80	48	4	20	10	1.79	<15	1.46	21	16	0.30	247	<4
36230	517	1	1.11	39	<4	20	10	1.81	<15	1.45	19	17	0.34	257	<4
36231	510	1	1.03	51	<4	22	12	1.94	<15	1.44	25	18	0.38	260	<4
36232	509	1	0.70	48	<4	21	14	1.85	<15	1.48	22	19	0.33	241	<4
36233	468	1	1.11	57	5	20	10	2.70	<15	1.19	27	12	0.28	417	<4
36234	473	1	1.47	67	6	28	19	2.82	<15	1.24	29	15	0.36	409	<4
36235	524	1	1.24	36	4	18	13	1.70	<15	1.54	18	18	0.35	239	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	T1	V	Y	ZN	ZR
36181	0.94	<4	4	150	10	1	215	<2	632	12	5	15	25
36182	1.00	9	7	165	15	2	247	5	1837	35	9	26	29
36183	0.94	7	8	207	13	2	233	4	2010	41	10	25	38
36184	0.96	6	9	254	23	2	236	18	1526	33	8	21	40
36185	0.93	10	10	429	18	4	249	5	3021	60	13	64	62
36186	1.06	14	15	520	19	5	252	6	4470	93	15	64	73
36187	0.78	11	20	854	32	7	278	8	2741	60	15	80	68
36188	0.71	10	18	864	23	7	323	5	2441	54	15	74	68
36189	1.25	4	7	205	18	2	237	<2	1165	27	6	21	29
36190	0.95	10	9	590	26	5	306	7	2658	58	13	54	64
36191	0.85	12	17	374	<10	5	187	11	2931	59	13	58	66
36192	0.73	14	15	228	23	4	170	13	3725	67	12	49	79
36193	0.76	10	20	231	23	5	151	6	2712	55	12	48	76
36194	0.86	11	13	242	17	4	195	5	3464	63	11	48	67
36195	0.97	10	10	171	17	4	161	6	3304	59	11	46	68
36196	0.76	13	15	335	14	5	198	7	2909	61	13	51	70
36197	0.91	12	15	399	17	4	196	3	3284	61	12	54	74
36198	0.92	11	13	215	27	3	168	13	2982	53	10	45	62
36199	1.08	27	21	890	63	8	205	21	3944	76	27	133	78
36200	1.03	23	12	489	17	4	246	12	3914	72	18	63	63
36201	1.06	12	15	675	25	5	205	2	2780	59	16	91	51
36202	1.59	5	3	236	<10	2	190	<2	1562	29	12	32	15
36203	1.14	21	18	629	29	6	179	13	4158	80	20	76	56
36204	0.86	90	14	710	44	5	129	98	10505	220	53	179	87
36205	1.34	22	13	544	44	5	193	12	3004	59	18	82	60
36206	1.10	61	10	683	31	5	178	44	7808	182	32	114	62
36207	1.14	64	8	558	27	5	189	34	8532	148	36	104	59
36208	1.90	58	8	2767	<10	8	277	27	8884	133	47	101	45
36209	1.94	47	7	1917	30	7	268	13	6967	94	39	56	45
36210	1.78	44	4	1467	22	8	203	52	8367	134	63	81	24
36211	2.22	51	7	2389	17	7	291	15	8057	115	41	102	42
36212	0.90	12	11	233	12	4	174	5	2983	59	11	48	65
36213	0.84	11	13	338	12	4	194	4	2724	58	11	54	57
36214	0.91	8	13	310	21	4	192	10	2261	49	10	46	52
36215	0.82	8	12	312	25	4	198	9	2231	48	10	42	52
36216	0.78	10	13	226	36	3	236	8	2460	53	10	45	58
36217	0.62	12	15	367	22	4	213	12	2486	57	12	55	63
36218	0.75	10	9	196	14	3	190	12	2010	43	9	35	45
36219	0.77	9	11	148	21	3	178	8	3252	62	11	46	58
36220	0.83	8	10	208	20	3	212	2	2377	50	8	42	48
36221	0.80	9	14	275	15	5	141	3	2694	56	13	60	72
36222	0.89	9	7	217	24	3	162	5	2565	49	9	48	59
36223	0.79	10	11	224	19	4	143	10	2869	57	11	56	63
36224	0.90	11	7	183	<10	3	166	3	2479	48	9	42	52
36225	0.85	10	10	215	15	3	156	6	2430	47	9	43	56
36226	0.71	11	9	280	22	4	174	10	2655	56	10	51	60
36227	0.75	9	10	286	10	4	183	7	2188	51	10	51	54
36228	0.80	10	8	171	18	3	153	6	2540	49	9	41	55
36229	0.89	10	6	173	13	3	145	<2	2701	49	9	47	54
36230	0.88	8	10	192	15	3	165	3	2733	50	9	48	56
36231	0.84	9	8	191	37	3	156	5	2733	52	10	54	64
36232	0.90	9	8	198	62	3	149	2	2592	49	10	52	61
36233	0.68	13	6	119	106	3	129	7	4460	84	10	65	57
36234	0.75	15	9	185	169	3	147	<2	4518	81	12	76	72
36235	0.90	8	9	201	39	3	158	7	2519	44	9	53	53

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MCAS	PH	CT-F
36236	M	35	32.027	106.306	2	15	07/02/77	9	25.0					
36237	M	35	32.013	106.315	2	15	07/02/77	8	25.0					
36238	M	35	32.366	106.093	2	15	07/02/77	9	35.0					
36239	M	35	32.352	106.100	2	15	07/02/77	9	35.0					
36240	M	35	32.340	106.108	2	15	07/02/77	9	35.0					
36241	M	35	32.326	106.118	2	15	07/02/77	9	35.0					
36242	M	35	32.347	106.074	2	15	07/02/77	10	35.0					
36243	M	35	32.336	106.081	2	15	07/02/77	10	35.0					
36244	M	35	32.321	106.091	2	15	07/02/77	10	35.0					
36245	M	35	32.315	106.089	2	15	07/02/77	10	35.0					
36246	M	35	32.291	106.085	2	15	07/02/77	10	35.0					
36247	M	35	32.284	106.069	2	15	07/02/77	10	35.0					
36248	M	35	32.277	106.064	2	15	07/02/77	10	35.0					
36249	M	35	32.344	106.056	2	15	07/02/77	11	40.0					
36250	M	35	32.344	106.042	2	15	07/02/77	11	40.0					
36404	M	35	32.145	106.260	2	15	07/04/77	10	35.0					
36405	M	35	32.150	106.277	2	15	07/04/77	10	35.0					
36406	M	35	32.154	106.290	2	15	07/04/77	10	35.0					
36407	M	35	32.160	106.311	2	15	07/04/77	10	35.0					
36408	M	35	32.147	106.319	2	15	07/04/77	10	35.0					
36409	M	35	32.135	106.327	2	15	07/04/77	10	35.0					
36410	M	35	32.175	106.311	2	15	07/04/77	10	35.0					
36411	M	35	32.189	106.316	2	15	07/04/77	10	35.0					
36412	M	35	32.202	106.322	2	15	07/04/77	10	35.0					
36413	M	35	32.215	106.327	2	15	07/04/77	10	35.0					
36414	M	35	32.229	106.333	2	15	07/04/77	10	35.0					
36415	M	35	32.226	106.351	2	15	07/04/77	10	35.0					
36416	M	35	32.224	106.369	2	15	07/04/77	10	35.0					
36417	M	35	32.238	106.319	2	15	07/04/77	11	35.0					
36418	M	35	32.249	106.303	2	15	07/04/77	11						
36419	M	35	32.247	106.286	2	15	07/04/77	11	35.0					
36420	M	35	32.244	106.271	2	15	07/04/77	11	35.0					
36421	M	35	32.231	106.269	2	15	07/04/77	11	35.0					
36422	M	35	32.217	106.268	2	15	07/04/77	11	35.0					
36423	M	35	32.204	106.267	2	15	07/04/77	11	35.0					
36424	M	35	32.198	106.264	2	15	07/04/77	11	35.0					
36425	M	35	32.172	106.261	2	15	07/04/77	11	35.0					
36426	M	35	32.352	106.021	2	15	07/02/77	11	40.0					
36427	M	35	32.374	106.012	2	15	07/02/77	11	40.0					
36428	M	35	32.329	106.015	2	15	07/02/77	11	40.0					
36429	M	35	32.308	106.015	2	15	07/02/77	11	40.0					
36430	M	35	32.301	106.016	2	15	07/02/77	11	40.0					
36431	M	35	32.296	106.014	2	15	07/02/77	11	40.0					
36432	M	35	32.275	106.013	2	15	07/02/77	11	40.0					
36433	M	35	32.260	106.004	2	15	07/02/77	11	40.0					
36434	M	35	32.397	106.140	2	15	07/02/77	15	35.0					
36435	M	35	32.395	106.157	2	15	07/02/77	15	35.0					
36436	M	35	32.380	106.177	2	15	07/02/77	15	37.0					
36437	M	35	32.382	106.175	2	15	07/02/77	15	40.0					
36438	M	35	32.399	106.198	2	15	07/02/77	15	40.0					
36439	M	35	32.392	106.210	2	15	07/02/77	15	40.0					
36440	M	35	32.388	106.231	2	15	07/02/77	15	40.0					
36441	M	35	32.382	106.246	2	15	07/02/77	15	40.0					
36442	M	35	32.391	106.189	2	15	07/02/77	15	40.0					
36443	M	35	32.366	106.176	2	15	07/02/77	16	35.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
36236	1	9	1	6	4	6			2	1	1.90	<2	4.18	<10
36237	1	3	1	6	4	6			2	1	2.20	<2	4.40	14
36238	1	9	1	6	4	6			2	1	2.30	<2	4.87	13
36239	1	4	1	6	4	6			2	1	2.60	<2	3.86	<10
36240	1	6	1	6	4	6			2	1	2.20	<2	4.87	16
36241	1	8	1	6	4	6			2	1	2.40	<2	4.14	11
36242	1	9	1	6	4	6			2	1	2.40	2	5.15	15
36243	1	4	1	6	4	6			2	1	2.20	<2	3.71	<10
36244	1	5	1	6	4	6			2	1	2.50	<2	4.68	11
36245	1	6	1	6	4	6			2	1	2.80	<2	4.46	11
36246	1	4	1	6	4	6			2	3	0.80	<2	1.38	<10
36247	1	5	1	6	4	6			3	2	2.10	<2	4.08	14
36248	1	6	1	6	4	6			2	1	3.40	<2	2.91	<10
36249	1	13	1	6	4	6			2	1	2.00	<2	4.70	21
36250	1	6	1	6	4	6			2	1	1.90	<2	3.83	15
36404	1	4	1	6	4	6			2	2	2.00	<2	4.12	16
36405	1	6	1	6	4	6			2	2	2.50	<2	4.32	15
36406	1	6	1	6	4	6			2	2	2.80	<2	4.43	16
36407	1	9	1	6	4	6			2	2	1.90	<2	3.96	12
36408	1	6	1	6	4	6			2	2	2.70	<2	4.38	17
36409	1	9	1	6	4	6			2	2	2.20	<2	4.14	15
36410	1	5	1	6	4	6			2	2	2.30	<2	4.11	16
36411	1	5	1	6	4	6			2	2	2.70	<2	4.10	13
36412	1	6	1	6	4	6			2	2	2.40	<2	4.06	15
36413	1	5	1	6	4	6			2	1	2.30	<2	4.01	15
36414	1	8	1	6	4	6			2	1	2.20	<2	4.17	18
36415	1	5	1	6	4	6			2	2	3.10	<2	4.33	14
36416	1	9	1	6	4	6			2	2	2.50	<2	4.75	18
36417	1	6	1	6	4	6			2	2	2.40	<2	4.55	11
36418	1	9	1	6	4	6			2	5	2.30	<2	4.66	16
36419	1	4	1	6	4	6			2	2	2.20	<2	4.31	18
36420	1	6	1	6	4	6			2	1	3.20	<2	4.05	15
36421	1	4	1	6	4	6			2	2	1.90	<2	3.96	17
36422	1	13	1	6	4	6			2	2	2.30	<2	4.25	20
36423	1	4	1	6	4	6			2	2	2.20	<2	3.62	15
36424	1	1	1	6	4	6			2	2	1.90	<2	4.07	16
36425	1	4	1	6	4	6			2	1	2.50	<2	3.80	12
36426	1	20	1	6	4	6			2	1	2.40	<2	4.39	23
36427	1	4	1	6	4	6			2	1	3.30	<2	3.42	15
36428	1	6	1	6	4	6			2	1	2.60	<2	3.49	15
36429	1	8	1	6	4	6			2	1	2.40	<2	4.62	21
36430	1	11	1	6	4	6			2	1	2.40	<2	5.23	34
36431	1	4	1	6	4	6			2	1	2.50	<2	4.17	21
36432	1	6	1	6	4	6			2	1	2.20	<2	4.08	17
36433	1	6	1	6	4	6			2	1	2.50	<2	5.49	35
36434	1	17	1	6	3	6			4	2	2.70	<2	6.14	29
36435	1	10	1	6	4	6			3	2	2.70	<2	3.96	16
36436	1	6	1	6	4	6			2	1	2.20	<2	4.28	18
36437	1	6	1	6	4	6			2	1	2.80	<2	4.47	14
36438	1	4	1	6	4	6			2	2	2.20	<2	5.02	21
36439	1	4	1	6	4	6			2	2	2.30	<2	4.30	12
36440	1	5	1	6	4	6			2	2	2.60	<2	4.26	17
36441	1	4	1	6	4	6			2	1	2.50	<2	4.48	19
36442	1	6	1	6	4	6			2	1	2.30	<2	2.74	11
36443	1	6	1	6	4	6			2	2	2.60	<2	4.60	17

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
36236	518	1	1.51	48	5	17	14	1.53	<15	1.39	20	16	0.34	207	<4
36237	507	1	1.14	44	<4	17	18	1.57	<15	1.50	19	16	0.34	209	<4
36238	510	1	1.07	46	5	21	23	1.63	<15	1.60	20	19	0.35	243	<4
36239	473	1	1.24	43	5	19	10	2.07	<15	1.39	19	16	0.25	293	<4
36240	472	1	1.56	43	4	23	10	1.96	<15	1.41	19	23	0.36	223	<4
36241	484	1	0.86	43	4	20	8	1.73	<15	1.36	21	16	0.27	230	<4
36242	477	1	1.47	50	5	25	14	1.95	<15	1.51	21	25	0.38	217	<4
36243	475	1	0.34	26	<4	14	6	1.37	<15	1.37	13	13	0.17	198	<4
36244	492	1	1.09	41	4	22	9	1.89	<15	1.50	18	18	0.35	255	<4
36245	502	1	0.47	32	<4	17	8	1.51	<15	1.63	14	17	0.28	209	<4
36246	296	<1	8.90	11	<4	6	3	0.68	<15	0.73	6	5	0.14	98	<4
36247	542	1	3.46	40	4	22	9	1.92	<15	1.31	19	14	0.37	285	<4
36248	402	<1	1.12	100	16	45	38	8.15	39	1.02	40	12	0.29	1050	<4
36249	508	1	0.55	61	5	29	40	2.45	<15	1.62	26	22	0.36	333	<4
36250	513	1	0.95	42	4	24	40	1.73	<15	1.38	18	15	0.26	250	<4
36404	535	1	0.92	56	5	29	38	2.52	<15	1.39	24	17	0.32	333	<4
36405	527	1	0.82	76	7	39	36	3.34	<15	1.44	34	18	0.35	443	<4
36406	537	1	1.13	47	5	27	38	2.35	<15	1.48	21	15	0.36	298	<4
36407	495	1	0.96	45	<4	28	43	2.55	<15	1.32	19	16	0.31	359	<4
36408	508	1	1.37	46	5	33	39	2.88	<15	1.31	22	19	0.38	374	<4
36409	516	1	0.52	52	5	33	42	2.76	<15	1.41	22	18	0.29	366	<4
36410	514	1	1.60	52	5	27	39	2.19	<15	1.35	22	17	0.37	290	<4
36411	509	1	1.68	53	5	31	45	2.61	<15	1.37	22	17	0.38	341	<4
36412	526	1	2.62	59	6	27	40	2.40	<15	1.38	23	16	0.41	329	<4
36413	531	1	1.24	38	5	22	41	1.68	<15	1.29	17	15	0.37	228	<4
36414	563	1	1.46	56	7	26	40	2.39	<15	1.44	25	15	0.39	340	<4
36415	511	1	1.07	29	<4	29	75	2.58	<15	1.50	6	18	0.22	360	<4
36416	545	1	0.70	55	5	27	57	2.14	23	1.47	26	18	0.42	290	<4
36417	532	1	0.81	57	5	27	36	2.25	<15	1.49	24	18	0.40	307	<4
36418	572	1	0.61	40	5	20	41	1.43	20	1.65	18	18	0.31	206	<4
36419	537	1	0.55	48	5	27	39	2.24	<15	1.57	22	17	0.30	311	<4
36420	515	1	0.67	59	5	29	37	2.62	<15	1.39	27	16	0.31	345	<4
36421	524	1	1.03	44	<4	25	38	1.79	<15	1.38	18	15	0.31	234	<4
36422	540	1	0.88	58	5	30	40	2.35	<15	1.44	28	17	0.37	319	<4
36423	491	1	0.59	39	<4	28	39	2.41	<15	1.28	16	15	0.31	318	<4
36424	542	1	0.54	41	<4	19	70	1.48	<15	1.61	18	16	0.25	201	<4
36425	549	1	1.09	30	<4	17	35	1.13	<15	1.43	15	15	0.28	144	<4
36426	475	1	3.03	54	5	30	41	2.19	<15	1.44	23	22	0.61	303	<4
36427	438	1	1.94	66	7	33	40	3.58	20	1.25	27	16	0.44	508	<4
36428	461	1	3.21	48	6	26	36	2.42	<15	1.31	21	16	0.45	323	<4
36429	474	1	2.91	53	6	31	42	2.22	15	1.42	23	20	0.70	342	<4
36430	435	1	4.72	60	7	36	44	2.34	<15	1.41	24	25	0.90	402	<4
36431	472	1	4.99	59	6	30	41	2.05	<15	1.29	25	17	0.54	281	<4
36432	500	1	3.45	38	5	25	47	1.67	25	1.41	18	17	0.42	256	<4
36433	433	2	6.87	56	7	39	54	2.35	<15	1.42	23	29	0.97	408	<4
36434	482	2	5.55	62	9	38	61	2.66	<15	1.46	27	30	0.91	515	<4
36435	514	1	0.41	49	4	25	39	2.11	16	1.42	23	16	0.22	270	<4
36436	468	1	0.83	38	<4	23	36	1.90	<15	1.23	18	18	0.39	220	<4
36437	528	1	0.46	52	5	26	38	1.99	<15	1.47	22	18	0.31	237	<4
36438	557	1	3.77	53	5	27	41	1.95	<15	1.46	23	26	0.67	254	<4
36439	525	1	0.52	63	5	25	39	2.09	<15	1.53	29	17	0.31	281	<4
36440	504	1	1.67	67	5	28	11	2.56	<15	1.36	28	18	0.44	350	<4
36441	567	1	1.24	49	4	23	11	2.10	<15	1.53	24	16	0.33	298	<4
36442	225	1	0.45	32	<4	17	7	1.14	20	0.73	17	12	0.29	141	<4
36443	549	1	0.57	42	4	26	12	2.08	<15	1.43	20	17	0.34	265	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
36236	0.82	9	12	188	90	3	153	6	2142	41	9	53	46
36237	0.86	8	5	216	78	3	145	8	2080	40	8	58	51
36238	0.92	9	7	275	39	3	151	12	2019	42	9	51	49
36239	0.76	13	8	136	22	3	130	2	3318	60	9	47	54
36240	0.74	10	7	238	13	4	158	<2	2452	54	9	46	56
36241	0.78	9	7	180	17	3	140	4	2537	48	8	41	53
36242	0.79	12	9	239	25	4	160	4	2408	56	9	48	59
36243	0.80	7	5	95	13	2	110	3	2181	37	7	31	45
36244	0.83	9	10	216	17	3	137	4	2634	49	10	44	56
36245	0.98	8	8	179	10	3	126	5	2040	36	8	36	48
36246	0.24	6	3	96	<10	1	305	4	676	14	4	13	13
36247	0.74	10	10	189	17	3	186	7	3034	50	9	34	60
36248	0.56	33	21	150	23	5	110	9	12271	211	15	131	122
36249	0.91	14	14	179	16	4	136	<2	3831	61	12	57	87
36250	0.80	11	9	169	21	3	131	3	2912	44	9	47	77
36404	0.80	13	11	151	18	4	141	4	4086	65	11	64	92
36405	0.84	16	16	151	23	4	145	11	5534	89	13	65	113
36406	0.81	12	11	179	18	4	146	3	3512	60	10	55	84
36407	0.76	13	11	139	13	4	131	2	4163	65	11	55	93
36408	0.76	15	14	178	15	4	155	<2	4467	75	12	61	98
36409	0.82	14	13	158	11	4	140	7	4507	74	12	60	109
36410	0.77	14	12	196	11	4	155	2	3368	57	11	54	86
36411	0.82	15	12	194	10	4	156	<2	4189	69	11	62	109
36412	0.80	13	10	243	<10	4	175	5	3639	64	10	58	66
36413	0.78	11	10	201	18	3	163	4	2369	43	9	46	54
36414	0.87	12	12	157	17	3	172	2	3679	63	10	63	72
36415	0.93	17	19	193	31	3	158	<2	4294	71	5	68	124
36416	0.83	11	11	239	24	4	167	11	3143	52	12	61	78
36417	0.89	12	14	179	15	4	156	2	3321	59	11	52	76
36418	0.96	9	13	189	17	3	164	7	1915	34	9	47	56
36419	0.92	12	10	139	<10	3	147	4	3565	59	10	55	70
36420	0.79	12	13	154	12	3	140	7	4158	69	11	58	92
36421	0.83	11	10	165	16	3	156	4	2842	47	9	44	74
36422	0.85	14	12	179	18	4	156	<2	3814	65	10	56	90
36423	0.77	15	10	128	<10	3	128	<2	4058	63	10	54	106
36424	0.90	9	11	119	<10	3	140	5	2327	37	8	54	54
36425	0.76	6	9	132	12	2	132	3	1554	27	6	38	42
36426	0.65	13	11	291	15	4	158	8	3107	54	10	56	72
36427	0.56	18	14	186	17	4	117	6	5991	94	12	67	91
36428	0.66	13	10	151	14	3	164	2	3954	64	9	53	65
36429	0.60	13	16	382	16	5	150	5	2982	53	12	60	71
36430	0.53	12	20	604	21	6	199	10	2699	52	13	70	71
36431	0.60	13	15	363	21	4	180	7	2921	50	11	58	77
36432	0.78	20	12	269	12	3	178	2	2558	40	9	50	70
36433	0.49	10	27	704	12	6	238	6	2509	54	15	76	73
36434	0.66	12	25	867	32	7	188	5	2611	59	16	57	73
36435	0.79	11	9	99	16	3	125	5	3358	55	10	49	77
36436	0.69	12	11	105	<10	4	146	4	2652	48	10	46	65
36437	0.78	12	11	132	14	3	133	6	2710	49	10	50	65
36438	0.69	12	13	385	19	5	208	4	2382	58	11	54	65
36439	0.89	13	7	143	18	3	139	9	3239	54	11	51	82
36440	0.75	14	9	229	15	4	186	6	3966	71	12	48	74
36441	0.93	13	10	254	19	3	194	11	3343	56	11	43	70
36442	0.31	<4	9	181	16	2	78	9	571	27	6	34	16
36443	0.81	15	11	161	17	4	150	5	3088	52	11	45	82

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	CONM	MEAS	PH	CT-F
36444	M	35	32.351	106.172	2	15	07/02/77	16	35.0					
36445	M	35	32.337	106.169	2	15	07/02/77	16	40.0					
36446	M	35	32.323	106.166	2	15	07/02/77	16	40.0					
36447	M	35	32.311	106.163	2	15	07/02/77	16	35.0					
36448	M	35	32.300	106.160	2	15	07/02/77	16	35.0					
36449	M	35	32.286	106.156	2	15	07/02/77	16	35.0					
36450	M	35	32.275	106.187	2	15	07/02/77	16	35.0					
36451	M	35	32.292	106.229	2	15	07/02/77	16	40.0					
36452	M	35	32.267	106.231	2	15	07/02/77	16	40.0					
36453	M	35	32.296	106.220	2	15	07/02/77	16	38.0					
36454	M	35	32.308	106.211	2	15	07/02/77	17	38.0					
36455	M	35	32.317	106.204	2	15	07/02/77	17	38.0					
36456	M	35	32.329	106.195	2	15	07/02/77	17	38.0					
36457	M	35	32.341	106.186	2	15	07/02/77	17	38.0					
36458	M	35	32.369	106.139	2	15	07/02/77	17	38.0					
36459	M	35	32.348	106.139	2	15	07/02/77	17	38.0					
36460	M	35	32.303	106.129	2	15	07/02/77	17	40.0					
36461	M	35	32.290	106.138	2	15	07/02/77	17	38.0					
36462	M	35	32.277	106.146	2	15	07/02/77	17	38.0					
36463	M	35	32.262	106.155	2	15	07/02/77	17	40.0					
36464	M	35	32.384	106.119	2	15	07/03/77	11	40.0					
36465	M	35	32.403	106.081	2	15	07/03/77	11	40.0					
36466	M	35	32.416	106.073	2	15	07/03/77	11	40.0					
36467	M	35	32.427	106.067	2	15	07/03/77	11	40.0					
36468	M	35	32.441	106.053	2	15	07/03/77	11	40.0					
36469	M	35	32.453	106.081	2	15	07/03/77	11	40.0					
36470	M	35	32.467	106.096	2	15	07/03/77	11						
36471	M	35	32.484	106.076	2	15	07/03/77	12	40.0					
36472	M	35	32.469	106.082	2	15	07/03/77	12	40.0					
36473	M	35	32.461	106.066	2	15	07/03/77	12						
36474	M	35	32.455	106.058	2	15	07/03/77	12	40.0					
36475	M	35	32.470	106.052	2	15	07/03/77	12	40.0					
36476	M	35	32.482	106.047	2	15	07/03/77	12	40.0					
36477	M	35	32.494	106.042	2	15	07/03/77	12	40.0					
36478	M	35	32.472	106.028	2	15	07/03/77	13	35.0					
36479	M	35	32.486	106.017	2	15	07/03/77	13	35.0					
36480	M	35	32.495	106.007	2	15	07/03/77	13	35.0					
36481	M	35	32.477	106.001	2	15	07/03/77	13						
36482	M	35	32.450	106.012	2	15	07/03/77	13	35.0					
36483	M	35	32.395	106.050	2	15	07/03/77	14	30.0					
36484	M	35	32.401	106.034	2	15	07/03/77	14	30.0					
36485	M	35	32.395	106.009	2	15	07/03/77	14	30.0					
36486	M	35	32.407	106.019	2	15	07/03/77	14	30.0					
36487	M	35	32.420	106.018	2	15	07/03/77	14	30.0					
36488	M	35	32.430	106.018	2	15	07/03/77	14	30.0					
36489	M	35	32.284	106.252	2	15	07/03/77	15	35.0					
36490	M	35	32.285	106.270	2	15	07/03/77	15	35.0					
36491	M	35	32.271	106.274	2	15	07/03/77	15	35.0					
36492	M	35	32.255	106.274	2	15	07/03/77	15	35.0					
36493	M	35	32.284	106.291	2	15	07/03/77	15	34.0					
36494	M	35	32.266	106.302	2	15	07/03/77	15	35.0					
36495	M	35	32.287	106.324	2	15	07/03/77	15	35.0					
36496	M	35	32.298	106.341	2	15	07/03/77	15	35.0					
36497	M	35	32.289	106.358	2	15	07/03/77	15	35.0					
36498	M	35	32.329	106.285	2	15	07/03/77	16	35.0					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
36444	1	3	1	6	4	6			2	2	1.90	<2	3.71	13
36445	1	16	1	6	4	6			2	1	2.50	<2	4.29	22
36446	1	4	1	6	4	6			2	1	2.80	<2	3.80	11
36447	1	6	1	6	4	6			2	3	2.90	<2	4.17	16
36449	1	11	1	6	4	6			2	3	2.60	<2	3.50	17
36449	1	2	1	6	4	6			2	3	2.00	<2	3.96	14
36450	1	9	1	6	4	6			2	3	2.00	<2	4.07	14
36451	1	5	1	6	4	6			2	2	2.50	<2	3.60	17
36452	1	9	1	6	4	6			2	2	2.50	<2	4.25	15
36453	1	4	1	6	4	6			2	3	2.60	<2	3.99	17
36454	1	4	1	6	4	6			2	3	2.40	<2	4.68	<10
36455	1	4	1	6	4	6			2	3	2.40	<2	4.76	11
36456	1	9	1	6	4	6			2	3	2.30	<2	4.34	<10
36457	1	6	1	6	4	6			2	3	2.50	<2	4.97	<10
36458	1	6	1	6	4	6			2	2	2.70	<2	4.76	<10
36459	1	11	1	6	4	6			2	2	2.20	<2	6.28	13
36460	1	5	1	6	4	6			2	2	2.10	<2	4.61	11
36461	1	6	1	6	4	6			2	2	1.80	<2	4.32	<10
36462	1	6	1	6	4	6			2	2	2.30	<2	5.08	<10
36463	1	5	1	6	4	6			2	2	2.20	<2	4.60	<10
36464	1	5	1	6	4	6			2	1	2.70	<2	4.04	<10
36465	1	9	1	6	4	6			2	1	2.10	<2	4.90	<10
36466	1	11	1	6	4	6			3	1	2.40	<2	5.61	<10
36467	1	17	1	6	4	6			2	2	4.50	<2	4.09	<10
36468	1	11	1	6	4	6			2	1	2.50	<2	5.50	10
36469	1	11	1	6	4	6			2	2	2.00	<2	5.48	<10
36470	1	9	1	6	4	6			3	2	2.60	<2	4.10	<10
36471	1	11	1	6	4	6			3	2	2.50	<2	5.08	10
36472	1	10	1	6	4	6			3	2	2.40	<2	5.20	13
36473	1	6	1	6	4	6			2	2	2.10	<2	5.23	<10
36474	1	13	1	6	4	6			2	2	2.20	<2	4.92	<10
36475	1	11	1	6	4	6			2	2	2.20	<2	5.85	16
36476	1	8	1	6	4	6			2	2	2.50	<2	4.73	13
36477	1	6	1	6	4	6			2	2	2.70	<2	5.40	15
36478	1	6	1	6	4	6			2	2	2.50	<2	5.15	<10
36479	1	6	1	6	4	6			2	3	2.20	<2	3.98	<10
36480	1	6	1	6	4	6			2	3	1.90	<2	5.36	11
36481	1	3	1	6	4	6			2	2	2.00	<2	4.50	11
36482	1	2	1	6	4	6			2	2	2.70	<2	4.63	<10
36483	1	9	1	6	5	6			2	3	2.00	<2	4.49	<10
36484	1	11	1	6	4	6			2	3	2.30	<2	3.92	12
36485	1	9	1	6	5	6			2	3	2.80	<2	3.67	24
36486	1	4	1	6	4	6			2	3	1.60	<2	3.69	12
36487	1	11	1	6	4	6			2	3	2.10	<2	3.92	15
36488	1	9	1	6	4	6			2	3	2.10	<2	4.06	13
36489	1	9	1	6	4	6			2	3	2.50	<2	4.99	18
36490	1	10	1	6	4	6			2	3	2.50	<2	5.05	15
36491	1	11	1	6	4	6			2	3	2.40	<2	4.51	12
35492	1	9	1	6	4	6			2	3	2.40	<2	4.98	14
35493	1	9	1	6	4	6			2	3	2.60	<2	5.34	14
36494	1	2	1	6	4	6			2	2	2.50	<2	5.04	15
36495	1	6	1	6	4	6			2	2	2.50	<2	5.06	13
36496	1	11	1	6	4	6			2	2	2.80	<2	5.25	14
36497	1	5	1	6	4	6			2	5	2.50	<2	5.09	14
36498	1	5	1	6	4	6			2	3	2.80	<2	4.92	16

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
36444	560	1	1.67	31	<4	19	10	1.50	<15	1.15	14	14	0.32	208	<4
36445	531	1	1.73	38	<4	23	11	1.70	<15	1.35	17	17	0.36	209	<4
36446	512	1	0.45	43	<4	25	11	2.20	<15	1.20	21	13	0.24	314	<4
36447	509	1	0.55	37	<4	28	13	2.28	<15	1.17	17	16	0.32	304	<4
36448	451	1	0.83	40	<4	28	12	2.30	<15	1.31	19	16	0.31	285	<4
36449	519	1	1.20	35	<4	23	12	1.55	<15	1.17	17	14	0.32	217	<4
36450	557	1	0.64	29	<4	19	8	1.54	<15	1.28	16	14	0.25	201	<4
36451	462	1	8.45	29	<4	26	11	1.81	<15	0.83	14	13	0.51	276	<4
36452	558	1	0.93	42	5	27	11	2.33	<15	1.23	23	15	0.31	315	<4
36453	538	1	1.19	36	4	26	9	2.14	<15	1.22	17	14	0.32	292	<4
36454	569	1	0.80	45	4	17	8	1.95	<15	1.76	21	22	0.29	261	<4
36455	582	1	0.81	51	4	17	8	1.89	<15	1.86	24	22	0.29	241	<4
36456	566	1	0.88	50	4	16	8	1.89	<15	1.69	23	18	0.28	244	<4
36457	592	1	1.10	38	<4	14	8	1.61	<15	1.97	19	22	0.33	208	<4
36458	562	1	1.15	54	4	19	10	2.20	<15	1.72	26	22	0.33	289	<4
36459	586	1	2.27	50	4	21	21	1.98	<15	2.25	22	38	0.62	257	<4
36460	599	1	2.31	47	4	18	17	2.18	<15	1.85	21	28	0.35	271	<4
36461	569	1	0.44	39	<4	14	8	1.64	<15	1.74	18	19	0.20	223	<4
36462	571	1	3.02	41	4	19	14	1.78	<15	1.82	19	25	0.52	247	<4
36463	569	1	2.85	43	<4	14	14	1.58	<15	1.81	19	22	0.39	225	<4
36464	546	1	1.45	57	5	18	125	3.16	<15	1.78	26	18	0.27	434	<4
36465	596	1	2.37	41	4	15	16	1.71	<15	1.96	18	23	0.36	268	<4
36466	668	1	4.04	46	5	16	66	2.24	<15	1.73	22	25	0.60	338	<4
36467	559	<1	1.32	84	11	21	21	6.93	<15	1.54	33	16	0.36	594	<4
36468	708	1	2.93	65	6	18	30	2.97	<15	1.85	28	25	0.46	353	<4
36469	696	1	5.87	52	5	14	37	1.92	19	1.69	23	26	0.64	268	<4
36470	574	1	2.30	52	5	16	10	2.83	<15	1.60	23	19	0.35	370	<4
36471	641	1	1.65	68	6	19	17	2.52	<15	1.92	30	23	0.40	380	<4
36472	609	1	2.18	44	4	17	14	1.79	<15	1.89	22	23	0.45	295	<4
36473	633	1	2.14	48	4	16	20	1.71	<15	1.95	22	23	0.44	261	<4
36474	613	1	4.35	55	5	18	36	1.88	<15	1.72	25	22	0.49	264	<4
36475	571	1	4.37	51	5	21	32	2.66	<15	2.00	23	35	0.54	272	<4
36476	541	1	2.96	47	4	21	12	2.65	<15	1.72	19	24	0.38	247	<4
36477	567	1	1.11	57	5	24	16	2.16	<15	1.99	25	28	0.40	278	<4
36478	586	1	2.59	46	4	21	19	2.34	<15	1.87	21	28	0.39	256	<4
36479	550	1	4.21	41	5	18	9	2.24	<15	1.49	19	20	0.33	255	<4
36480	594	1	5.28	35	4	18	21	1.59	<15	1.79	16	31	0.52	210	<4
36481	588	1	0.83	44	<4	18	33	1.56	<15	1.84	20	19	0.29	225	<4
36482	558	1	0.48	56	5	24	12	2.51	<15	1.81	25	22	0.24	339	<4
36483	566	1	1.05	51	4	20	15	2.28	<15	1.82	23	21	0.26	309	<4
36484	546	1	0.65	37	<4	16	8	1.69	20	1.62	17	15	0.17	249	<4
36485	496	1	7.22	36	4	20	15	1.35	<15	1.25	16	18	1.09	344	<4
36486	564	1	0.88	32	<4	12	14	1.02	<15	1.61	15	15	0.18	127	<4
36487	532	1	1.55	52	4	22	9	1.92	<15	1.58	25	17	0.27	266	<4
36488	530	1	0.40	41	4	18	13	1.70	<15	1.70	20	18	0.23	234	<4
36489	570	1	3.43	34	4	19	14	1.60	<15	1.63	16	23	0.51	174	<4
36490	556	1	1.94	51	5	24	15	2.13	17	1.65	23	24	0.43	255	<4
36491	582	1	1.34	34	<4	20	9	2.04	17	1.63	17	19	0.34	264	<4
36492	569	1	0.98	46	4	22	10	2.00	<15	1.96	22	25	0.35	257	<4
36493	562	1	1.45	56	<4	29	14	2.61	<15	1.84	24	27	0.40	308	<4
36494	543	1	0.73	38	5	20	12	1.56	39	2.06	18	22	0.40	267	<4
36495	564	1	0.74	58	5	26	12	2.55	<15	2.00	25	22	0.37	354	<4
36496	557	1	0.80	64	6	26	13	2.60	<15	1.91	29	23	0.40	360	<4
36497	543	1	1.05	65	5	27	12	2.65	<15	1.82	31	22	0.42	373	<4
36498	564	1	0.93	42	4	21	10	2.16	<15	1.89	20	23	0.34	269	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZK	ZR
36444	0.68	36	8	173	<10	3	166	6	2490	43	9	32	66
36445	0.73	16	11	161	16	3	172	7	2507	45	9	38	64
36446	0.70	22	10	150	15	3	126	5	3661	60	10	44	91
36447	0.67	27	11	162	<10	4	132	3	3721	61	10	48	98
36448	0.72	17	10	164	11	3	116	<2	3980	64	10	48	92
36449	0.67	26	8	191	12	3	145	6	2373	39	8	37	71
36450	0.73	11	4	119	13	3	143	5	2379	39	9	33	63
36451	0.53	21	10	245	<10	3	271	4	2890	46	11	44	76
36452	0.72	12	7	167	<10	4	155	7	3604	61	11	47	76
36453	0.71	16	7	169	15	3	153	3	3322	57	10	50	84
36454	1.11	12	7	128	<10	3	161	6	3112	52	9	39	52
36455	1.09	11	8	137	14	3	159	8	2829	48	9	37	49
36456	1.03	11	8	141	20	3	157	8	2917	49	9	36	54
36457	1.20	8	6	193	<10	3	168	2	2311	40	9	35	45
36458	1.02	11	11	151	15	3	162	4	3350	55	10	41	57
36459	1.09	10	40	561	17	4	214	9	2193	51	11	61	54
36460	1.16	10	32	161	21	3	191	5	3231	56	10	61	58
36461	1.12	8	5	113	13	2	153	3	2606	41	8	33	45
36462	1.05	9	9	305	10	3	197	7	2401	42	9	42	52
36463	1.11	9	4	196	15	3	198	5	2378	40	9	36	50
36464	1.05	15	6	137	<10	3	147	6	4670	74	11	92	54
36465	1.27	10	6	256	18	3	195	<2	2186	39	9	42	43
36466	1.37	8	11	441	24	4	297	3	2292	49	12	65	46
36467	1.13	17	10	369	10	4	197	4	5236	202	17	57	52
36468	1.39	12	10	397	16	4	269	4	2890	82	12	53	48
36469	1.33	8	21	396	25	4	339	8	2199	51	12	55	42
36470	0.99	13	8	179	13	3	217	3	3983	74	11	42	46
36471	1.25	14	9	361	21	4	207	5	3279	66	11	55	53
36472	1.29	9	7	322	26	4	233	6	2370	45	10	41	46
36473	1.30	9	6	346	19	3	228	3	2071	42	10	39	40
36474	1.20	11	5	363	43	4	270	7	2289	49	11	47	47
36475	1.06	11	13	403	90	4	230	3	2358	49	11	66	49
36476	0.91	10	8	217	16	3	164	7	2699	51	9	47	48
36477	1.17	11	11	218	31	4	178	7	3074	55	11	51	62
36478	1.03	10	7	221	17	4	183	3	2860	61	10	48	53
36479	0.82	11	9	150	14	3	178	9	2911	63	9	33	50
36480	1.02	8	10	287	15	4	324	<2	1783	38	10	46	48
36481	1.10	9	11	152	16	3	157	3	2681	41	9	58	45
36482	1.12	12	8	154	10	3	147	4	4159	66	11	44	73
36483	1.08	12	10	156	11	3	150	5	3444	57	10	45	50
36484	0.94	11	4	110	14	2	132	3	2781	45	8	38	46
36485	0.95	9	8	685	16	3	473	3	2181	38	10	51	48
36486	0.82	7	5	118	18	2	118	<2	1509	26	6	27	34
36487	0.83	12	9	160	24	3	128	11	3060	52	8	52	58
36488	0.92	9	7	117	<10	3	119	5	2722	44	8	37	48
36489	0.90	8	13	196	15	3	203	6	1823	41	8	41	45
36490	0.96	12	9	195	<10	4	183	5	2784	57	10	51	60
36491	1.00	9	8	161	10	3	171	2	2916	56	9	45	48
36492	1.15	9	9	145	<10	3	161	6	2791	55	9	47	55
36493	1.10	13	11	182	15	4	182	11	3427	70	12	58	70
36494	1.16	8	9	262	<10	3	161	<2	2073	41	8	40	48
36495	1.23	15	7	229	26	4	168	8	3547	69	12	188	65
36496	1.17	17	9	235	17	4	166	4	3725	68	14	65	72
36497	1.11	18	11	278	17	4	178	5	3766	68	13	76	59
36498	1.09	11	8	178	17	3	155	15	2981	57	10	50	59

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	TYPE	STAT	LAT	LONG	LAB	NTYP	DATE	HOUR	ATEM	WTEM	COMM	MEAS	PH	CT-F
36499	M	35	32.314	106.282	2	15	07/03/77	15	35.3					
36500	M	35	32.299	106.279	2	15	07/03/77	16	35.3					

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	CAMT	SCIN	RTYP	RCOL	STYP	SCOL	FLOW	WCOL	RELF	SKY	U	AG	AL	B
36495	1	5	1	6	4	6			2	3	2.70	<2	4.79	22
36500	1	11	1	6	4	6			2	3	3.10	<2	4.44	13

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN	MO
36499	575	1	5.65	49	5	23	20	1.6E	26	1.62	20	24	0.65	259	<4
36500	543	1	1.07	70	6	27	10	2.8E	<15	1.69	31	16	0.35	369	<4

Table 7, Continued

DATA LISTING FOR SEDIMENTS OF THE LAS CRUCES QUADRANGLE

SAMPLE	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
36499	0.80	10	10	498	29	4	284	10	1919	47	10	49	50
36500	1.00	18	9	196	22	4	155	8	4142	78	12	56	77

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 $\leq 100^\circ\text{C}$ and sieved to -100 mesh.

12 - Wet stream sediment dried at $\leq 100^\circ\text{C}$ and sieved to -100 mesh.

13 - Wet natural pond sediment dried at $\leq 100^\circ\text{C}$ and sieved to -100 mesh.

14 - Wet artificial pond sediment dried at $\leq 100^\circ\text{C}$ and sieved to -100 mesh.

15 - Dry stream sediment dried at $\leq 100^\circ\text{C}$ 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 dried at $\leq 100^\circ\text{C}$ (if necessary) and sieved to -100 mesh through stainless steel sieves.
- 97 - Dry artificial pond sediment dried at $\leq 100^\circ\text{C}$ 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.

HOURL = 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 ($^\circ\text{C}$).

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 $\mu\text{mhos/cm}$, 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
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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	

REL = 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 indicate 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

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LAS CRUCES
HART DATA

08/07/81

PAGE 1

LEGEND

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

PLATE 1
LAS CRUCES QUADRANGLE
WATER SAMPLE
LOCATION MAP
LANL SAMPLE NUMBER

SCALE 1: 250000
501 SAMPLES PLOTTED

SYMBOL RANGES FOR
PLOTTED VARIABLE (X)

+	$0.0 \leq X < 0.50$
x	$0.50 \leq X < 0.81$
.	$0.81 \leq X < 1.34$
.	$1.34 \leq X < 1.96$
o	$1.96 \leq X < 2.74$
o	$2.74 \leq X < 3.75$
o	$3.75 \leq X < 5.30$
o	$5.30 \leq X < 7.49$
o	$7.49 \leq X < 9.74$
o	$9.74 \leq X < 19.39$
■	$19.39 \leq X < 32.62$
★	$X \geq 32.62$

PLATE 2
LAS CRUCES QUADRANGLE
SYMBOL PLOT
WATER SAMPLE
URANIUM

SCALE 1: 250000
501 SAMPLES PLOTTED

SYMBOL RANGES FOR
PLOTTED VARIABLE (X)

+	$0.0 \leq X < 0.9$
x	$0.9 \leq X < 1.5$
.	$1.5 \leq X < 1.9$
.	$1.9 \leq X < 2.0$
o	$2.0 \leq X < 2.2$
o	$2.2 \leq X < 2.4$
o	$2.4 \leq X < 2.5$
o	$2.5 \leq X < 2.8$
o	$2.8 \leq X < 3.1$
o	$3.1 \leq X < 3.7$
o	$3.7 \leq X < 4.4$
o	$4.4 \leq X < 5.8$
●	$5.8 \leq X < 8.8$
■	$8.8 \leq X < 13.8$
★	$X \geq 13.8$

PLATE 4
LAS CRUCES QUADRANGLE
SYMBOL PLOT
SEDIMENT SAMPLE
URANIUM

SCALE 1: 250000
1817 SAMPLES PLOTTED