K/UR-407

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PLANT****UNION
CARBIDE****MASTER****NATIONAL URANIUM RESOURCE EVALUATION PROGRAM****HYDROGEOCHEMICAL AND STREAM SEDIMENT
RECONNAISSANCE BASIC DATA FOR
FRESNO QUADRANGLE, CALIFORNIA**

Uranium Resource Evaluation Project

GJBX--24-82

DE82 007139

October 15, 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.

Date of Issue: October 15, 1981

Report Number: K/UR-407

Subject Category: UC-51, Nuclear Raw Materials

NATIONAL URANIUM RESOURCE EVALUATION PROGRAM

**HYDROGEOCHEMICAL AND STREAM SEDIMENT
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FRESNO QUADRANGLE, CALIFORNIA**

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Uranium Resource Evaluation Project

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Prepared for the U. S. Department of Energy
Grand Junction Office, Colorado
under U. S. Government Contract W-7405 eng 26

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ABSTRACT

Field and laboratory data are presented for 1,038 sediment samples from the Fresno Quadrangle, California. The samples were collected by Savannah River Laboratory; laboratory 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
FRESNO QUADRANGLE, CALIFORNIA

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 1,038 sediment samples from the Fresno Quadrangle (Figure 1) were received from SRL for laboratory analysis by the Uranium Resource Evaluation (URE) Project laboratory in Oak Ridge, Tennessee. Laboratory analyses were completed in September 1981, and the final data base used to generate the tables and figures was completed in September 1981.

INDEX MAP SHOWING THE LOCATION OF THE FRESNO 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 Manual for Stream Sediment Reconnaissance" for Savannah River Laboratory (Ferguson, R. B., Price, V., and Baucom, E. I., July 1976).

LABORATORY PROCEDURES

Analytical procedures which were used are described by Cagle (1977) and Arendt, et al (December 1979). Total uranium values is determined for stream sediments by neutron activation using delayed neutron counting. Approximately 2 g is transferred through a pneumatic transfer system into a reactor where it is exposed to a neutron flux of 3×10^{13} n/cm² sec for 60 sec and then transferred to a neutron counter. Results are reported as ppm of the dry sediment. Detection limits for all elements are listed in Table 1. These detection limits are considered the best average during normal operation; however, some variables have values reported below these limits.

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 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 Table 2.

A principal component error analysis 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. Nine sediment samples, approximately 1% of the total, (FRAH002, FRAC003, FRAC021, FRAC012, FRAH034, FRAH035, FRA0036, FRBH030, and FRCH005) appeared to be the most unusual.

Table 1

DETECTION LIMITS OF VARIABLES DETERMINED IN SEDIMENT SAMPLES

Variable	Method	Detection Limit
U-FL	Fluorometry	--
U-NT	Neutron Activation-Delayed Neutron Count	0.02
Ag	Plasma Source Emission Spectrometry	2
Al	Plasma Source Emission Spectrometry	0.05(a)
B	Plasma Source Emission Spectrometry	10
Ba	Plasma Source Emission Spectrometry	2
Be	Plasma Source Emission Spectrometry	1
Ca	Plasma Source Emission Spectrometry	0.05(a)
Ce	Plasma Source Emission Spectrometry	10
Co	Plasma Source Emission Spectrometry	4
Cr	Plasma Source Emission Spectrometry	1
Cu	Plasma Source Emission Spectrometry	2
Fe	Plasma Source Emission Spectrometry	0.05(a)
Hf	Plasma Source Emission Spectrometry	15
K	Plasma Source Emission Spectrometry	0.05(a)
La	Plasma Source Emission Spectrometry	2
Li	Plasma Source Emission Spectrometry	1
Mg	Plasma Source Emission Spectrometry	0.05(a)
Mn	Plasma Source Emission Spectrometry	4
Mo	Plasma Source Emission Spectrometry	4
Na	Plasma Source Emission Spectrometry	0.05(a)
Nb	Plasma Source Emission Spectrometry	4
Ni	Plasma Source Emission Spectrometry	2
P	Plasma Source Emission Spectrometry	5
Pb	Plasma Source Emission Spectrometry	10
Sc	Plasma Source Emission Spectrometry	1
Si	Plasma Source Emission Spectrometry	--
Sr	Plasma Source Emission Spectrometry	1
Th	Plasma Source Emission Spectrometry	2
Ti	Plasma Source Emission Spectrometry	10
V	Plasma Source Emission Spectrometry	2
Y	Plasma Source Emission Spectrometry	1
Zn	Plasma Source Emission Spectrometry	2
Zr	Plasma Source Emission Spectrometry	2

(a) Detection limits expressed in percent.

Table 2

SUMMARY OF MEASUREMENTS CONTROL RESULTS OBTAINED WITH SEDIMENT SAMPLES FROM THE FRESNO 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
U	FL(a)	40	0.79	0.268	0.34	37	4.26	0.469	0.11	38	28.52	2.674	0.09
U	NT(b)	39	0.67	0.160	0.24	90	4.86	0.134	0.03	35	26.25	0.797	0.03
AL	PS(c)	77	9,800.0	500.0	0.05	104	33,600.0	3,310.0	0.10	63	48,600.0	2,030.0	0.04
B	PS	81	6.0	3.2	0.47	105	15.0	6.4	0.40	67	62.0	11.5	0.18
Ba	PS	81	124.0	11.7	0.09	104	432.0	39.7	0.09	69	290.0	31.6	0.11
Be	PS	80	-	-	-	105	1.0	3.2	2.57	69	2.0	4.3	2.00
Ca	PS	82	1,100.0	120.0	0.12	106	2,800.0	400.0	0.14	68	15,900.0	1,370.0	0.09
Ce	PS	80	19.70	3.9	0.20	102	68.22	12.1	0.18	68	64.93	9.7	0.15
Co	PS	82	4.0	2.5	0.63	105	12.0	2.6	0.21	66	32.0	2.5	0.08
Cr	PS	82	13.0	3.1	0.23	104	27.0	3.2	0.12	69	62.0	6.8	0.11
Cu	PS	75	4.0	0.7	0.18	97	21.0	1.9	0.09	66	69.0	3.6	0.05
Fe	PS	79	9,500.0	410.0	0.04	104	17,800.0	1,170.0	0.07	66	39,300.0	1,940.0	0.05
K	PS	81	1,800.0	210.0	0.11	103	9,600.0	990.0	0.10	67	15,800.0	1,910.0	0.12
Li	PS	81	9.0	0.8	0.09	104	22.0	2.0	0.09	69	34.0	3.3	0.10
Mg	PS	82	1,100.0	80.0	0.08	101	2,100.0	130.0	0.06	69	5,400.0	320.0	0.06
Mn	PS	80	306.0	16.1	0.05	103	1,886.0	113.9	0.06	67	391.0	21.2	0.05
Mo	PS	1	-	-	-	105	-	-	-	65	41.0	4.9	0.12
Na	PS	1	<500.0	-	-	104	1,500.0	160.0	0.10	67	1,500.0	180.0	0.12
Nb	PS	79	<4.0	-	-	106	11.0	3.7	0.33	69	5.0	2.8	0.46
Ni	PS	79	6.0	1.4	0.22	104	19.0	2.8	0.14	69	104.0	8.8	0.08
P	PS	80	66.0	9.8	0.15	105	1,915.0	298.4	0.16	69	1,328.0	188.2	0.14
Pb	PS	71	<10.0	-	-	54	38.0	5.7	0.15	66	28.0	8.3	0.30
Sc	PS	82	1.0	0.5	0.29	104	5.0	0.6	0.10	67	9.0	0.6	0.06
Sr	PS	81	19.0	1.3	0.07	99	54.99	2.7	0.05	69	85.26	5.0	0.06
Th	PS	82	2.0	1.7	0.79	106	6.0	3.8	0.57	69	7.0	3.8	0.53
Ti	PS	82	564.0	53.3	0.09	103	3,270.0	309.4	0.09	68	2,095.0	182.9	0.09
V	PS	77	20.0	1.0	0.05	103	53.0	4.9	0.09	67	160.0	8.2	0.05
Y	PS	1	-	-	-	102	19.0	1.5	0.07	67	33.0	1.7	0.05
Zn	PS	76	12.0	1.9	0.15	101	89.0	9.5	0.11	67	171.0	20.0	0.12
Zr	PS	81	29.0	2.9	0.10	102	134.0	10.9	0.08	68	81.0	5.6	0.07
Hf	PS	72	<15.0	-	-	53	-	-	-	65	-	-	-
La	PS	72	13.5	6.4	0.47	54	55.39	23.7	0.43	66	59.53	20.3	0.34

(a) Fluorometry.

(b) Neutron activation delayed neutron count.

(c) Plasma source emission spectroscopy.

DATA PRESENTATION

Sample site locations are shown on Plate 1 and a symbol plot for uranium is shown on Plate 2. The lognormal probability distribution and frequency plots for uranium (Figures 2a and 2b, respectively) are shown. Table 3 is a statistical summary for all variables, and Table 4 is a tabular listing for selected field information and all laboratory data.

Figure 2

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

Table 3

STATISTICAL SUMMARY FOR SEDIMENTS OF THE FRESNO QUADRANGLE

NO. SAMPLES ANALYZED		DETECTION		MINIMUM VALUE	MAXIMUM VALUE	MEAN	MEDIAN	MODE	STANDARD DEVIATION	COEFFICIENT OF VARIATION	LN TRANSFORMATION			
ELEMENT	VALUES	MEASURABLE LIMIT	DETECTION LIMIT								MEAN	S. D.	ROBUST MEAN	S. D.
J-F-L	98			1.35	21.24	3.22	3.48	2.68	2.990	0.709	1.23	0.52	1.26	0.49
U-VT	959			0.50	28.00	5.11	4.70	3.70	2.986	0.584	1.43	0.55	1.49	0.53
AG	2	1036	<2	<2	2	2	<2	<2	0.0	0.0	0.00	0.00		
AL	1038			2.07	12.01	7.56	7.48	7.58	1.037	0.137	2.01	0.14	2.01	0.13
B	703	335	<10	<10	443	30	14	<10	31.8	1.1	3.13	0.65	2.64	0.94
BA	1038			108	8768	592	598	627	333.8	0.6	6.31	0.35	6.34	0.28
BE	1014	24	<1	<1	5	1	2	1	0.6	0.4	0.43	0.37		
CA	1030			0.05	13.26	2.55	2.37	1.98	1.194	0.469	0.84	0.46	0.86	0.38
CE	1029	9	<10	<10	203	47	44	45	22.5	0.5	3.77	0.44	3.76	0.49
CD	1028	10	<4	<4	107	11	10	10	6.1	0.6	2.31	0.43	2.29	0.44
CR	1038			1	1523	47	35	18	87.4	1.9	3.53	0.75	3.49	0.74
CJ	1037	1	<2	<2	174	25	21	13	19.7	0.7	3.07	0.64	3.06	0.65
FE	1038			0.63	11.95	3.60	3.52	3.40	1.040	0.289	1.24	0.28	1.24	0.26
HF	50	588	<15	<15	32	20	<15	<15	5.3	0.3	3.03	0.24		
K	1038			0.24	2.98	1.38	1.40	1.41	0.375	0.271	0.23	0.32	0.31	0.31
LA	1038			3	100	23	23	21	12.5	0.5	3.03	0.50	3.09	0.51
LI	1038			7	133	27	25	23	13.0	0.5	3.21	0.45	3.20	0.44
MG	1038			0.09	4.53	1.15	1.15	1.28	0.507	0.440	0.03	0.45	0.06	0.42
NI	1038			227	2351	113	693	512	216.2	0.3	6.53	0.30	6.53	0.27
ND	24	1014	<4	<4	8	5	<4	<4	1.4	0.3	1.51	0.25		
NA	1030			0.08	3.59	1.69	1.70	1.62	0.465	0.275	0.43	0.34	0.51	0.32
NB	1037	1	<4	<4	54	11	12	10	4.6	0.4	2.41	0.36	2.41	0.35
NI	1037	1	<2	<2	2091	32	19	9	91.5	2.8	2.93	0.62	2.94	0.83
P	1038			75	3346	798	711	568	434.9	0.5	6.54	0.54	6.55	0.55
PB	754	284	<10	<10	366	28	15	15	29.3	1.0	3.13	0.63	2.71	0.90
SC	1038			2	26	10	10	11	3.8	0.4	2.27	0.37	2.28	0.38
SR	1038			34	570	281	273	341	90.8	0.3	5.53	0.35	5.60	0.32
TH	957	81	<2	<2	84	11	9	9	8.0	0.7	2.23	0.62	2.17	0.72
TI	1038			604	22391	4142	3962	3015	1374.7	0.3	8.23	0.32	8.28	0.27
V	1038			11	454	107	97	82	44.5	0.4	4.53	0.39	4.60	0.37
Y	1038			4	61	15	16	15	5.3	0.3	2.73	0.29	2.76	0.28
ZN	1038			30	175	92	83	83	54.0	0.6	4.44	0.38	4.42	0.38
ZR	1038			6	208	30	28	24	15.0	0.5	3.33	0.39	3.33	0.39

Table 4

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LCNG	NTYP	CAY	WTEM	CIND	ALK	SIZE	WIDE	S-OP	ODOR	CUN1	CUN2	CUN3	FORM
FRAA001	36.892	119.774	07	81280				4	1	1				7	QTRN
FRAA002	36.854	119.774	07	81280				4	1	1			1	7	QTRN
FRAA003	36.824	119.771	07	81280				4	1	1			1	8	QTRN
FRAA004	36.798	119.771	07	81280				4	1	1			3	7	QTRN
FRAA005	36.765	119.767	07	81280				4	1	1				1	QTRN
FRAA006	36.765	119.808	07	81280				4	1	1				6	QTRN
FRAA007	36.765	119.852	07	81280				4	1	1			7	8	QTRN
FRAA008	36.794	119.851	07	81280				4	1	1				8	QTRN
FRAA009	36.851	119.837	07	81280				4	1	1				8	QTRN
FRAA010	36.830	119.853	07	81280				4	1	1			3	7	QTRN
FRAA011	36.795	119.808	07	81280				4	1	1				8	QTRN
FRAA012	36.830	119.808	07	81280				4	1	1			3	7	QTRN
FRAA013	36.890	119.809	07	81280				4	1	1				6	QTRN
FRAA014	36.857	119.823	07	81280				4	1	1				8	QTRN
FRAA015			07	81280				4	1	1			3	7	QTRN
FRAA016	36.923	119.857	07	81280				4	1	1			1	7	QTRN
FRAA017	36.923	119.811	07	81280				4	1	1			3	7	QTRN
FRAA018	36.524	119.773	07	81280				4	1	1				8	QTRN
FRAA019	36.559	119.771	07	81280				4	1	1				6	QTRN
FRAA020	36.585	119.752	07	81280				4	1	1				8	QTRN
FRAA021			07	81280				4	1	1				8	QTRN
FRAA022	36.965	119.815	07	81280				4	1	1				8	QTRN
FRAA023	36.966	119.854	07	81280				4	1	1				8	QTRN
FRAA024	36.971	119.871	07	81280				4	1	1				8	QTRN
FRAA025	36.829	119.897	07	81380				4	1	1			3	7	QTRN
FRAA026	36.855	119.937	07	81380				4	1	1			3	7	QTRN
FRAA027	36.866	119.903	07	81380				4	1	1			3	7	QTRN
FRAA028	36.892	119.853	07	81380				4	1	1				8	QTRN
FRAA029	36.518	119.853	07	81380				4	1	1			3	7	QTRN
FRAA030	36.923	119.929	07	81380				4	1	1			3	7	QTRN
FRAA031	36.945	119.920	07	81380				4	1	1				8	QTRN
FRAA032	36.952	119.852	07	81380				4	1	1				8	QTRN
FRAA033	36.983	119.852	07	81380				4	1	1				8	QTRN
FRAA034	36.983	119.924	07	81380				4	1	1				8	QTRN
FRAA035	36.984	119.973	07	81380				4	1	1		3	7	8	QTRN
FRAA036	36.951	119.573	07	81380				4	1	1			3	7	QTRN
FRAA037	36.923	119.573	07	81380				4	1	1		3	7	8	QTRN
FRAA038	36.889	119.938	07	81380				4	1	1			3	7	QTRN
FRAA039	36.887	119.981	07	81380				3	1	1			3	7	QTRN
FRAA040	36.859	119.573	07	81380				4	1	1			3	7	QTRN
FRAA041	36.825	119.942	07	81380				4	1	1			7	3	QTRN
FRAA042	36.825	119.578	07	81380				4	1	1			3	7	QTRN
FRAA043	36.794	119.858	07	81480				4	1	1			3	7	QTRN
FRAA044	36.792	119.923	07	81480				4	1	1			3	7	QTRN
FRAA045	36.796	119.578	07	81480				4	1	1			3	7	QTRN
FRAA046	36.764	119.578	07	81480				4	1	1			3	7	QTRN
FRAA047	36.765	119.978	07	81480				4	1	1				2	QTRN
FRAA048	36.764	119.940	07	81480				4	1	1				8	QTRN
FRAA049	36.764	119.857	07	81480				4	1	1			3	7	QTRN
FRAA001	36.765	119.735	07	81480				3	1	1				3	QTRN
FRAA002	36.796	119.726	07	81480				4	1	1				6	QTRN
FRAA003	36.827	119.735	07	81480				4	1	1			3	7	QTRN
FRAA004	36.862	119.728	07	81480				4	1	1			3	7	QTRN
FRAA005	36.859	119.692	07	81480				4	1	1			3	7	QTRN
FRAA006	36.830	119.681	07	81480				4	1	1				8	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-F	U-N1	AG	AL
FRAA001	10		85.00	10	1	1	1	4	2	NJ1110		4.00	<2	7.55
FRAA002	10		60.00	10	1	1	1	4	2	NJ1110		4.70	<2	7.66
FRAA003	10		65.00	10	1	1	1	1	1	NJ1110		4.10	<2	8.05
FRAA004	10		60.00	10	1	1	1	2	2	NJ1110		3.20	<2	8.45
FRAA005	10		36.00	10	1	1	1	4	1	NJ1110		3.00	<2	8.28
FRAA006	10		40.00	10	1	1	1	4	1	NJ1110		2.10	<2	7.59
FRAA007	10		57.00	10	1	1	1	4	2	NJ1110		5.20	<2	8.01
FRAA008	10		75.00	10	1	1	1	4	1	NJ1110		5.20	<2	7.13
FRAA009	10		85.00	10	1	1	2	4	2	NJ1110		4.90	<2	7.58
FRAA010	10		65.00	10	1	1	1	2	2	NJ1110		5.70	<2	7.32
FRAA011	10		60.00	10	1	1	1	4	2	NJ1110		5.00	<2	7.55
FRAA012	10		60.00	10	1	1	1	2	2	NJ1110		5.20	<2	7.42
FRAA013	10		64.00	10	1	1	1	4	2	NJ1110		5.00	<2	7.69
FRAA014	10		85.00	10	1	1	2	4	2	NJ1110		7.00	<2	7.00
FRAA015	10		60.00	10	1	1	1	2	2			4.70	<2	7.46
FRAA016	10		65.00	10	1	1	1	2	2	NJ1110		6.00	<2	8.21
FRAA017	10		64.00	10	1	1	1	2	2	NJ1110		6.10	<2	7.32
FRAA018	10		67.00	10	1	1	1	4	2	NJ1110		4.60	<2	7.33
FRAA019	10		54.00	10	1	1	1	4	2	NJ1110		4.00	<2	8.39
FRAA020	10		55.00	07	1	1	1	4	2	NJ1110		4.00	<2	7.26
FRAA021	10		45.00	07	1	1	1	4	2			3.70	<2	5.69
FRAA022	10		65.00	08	1	1	1	4	2	NJ1110		3.20	<2	7.40
FRAA023	10		85.00	07	1	1	1	4	2	NJ1110		5.20	<2	7.26
FRAA024	10		64.00	07	1	1	1	4	2	NJ1110		4.00	<2	7.23
FRAA025	10		65.00	10	1	1	1	2	1	NJ1110		5.60	<2	7.66
FRAA026	10		65.00	10	1	1	1	2	2	NJ1110		5.10	<2	7.40
FRAA027	10		65.00	10	1	1	1	1	2	NJ1110		4.20	<2	7.42
FRAA028	10		74.00	10	1	1	1	4	2	NJ1110		5.40	<2	7.31
FRAA029	10		70.00	10	1	1	1	2	2	NJ1110		5.30	<2	7.66
FRAA030	10		74.00	10	1	1	1	1	2	NJ1110		4.70	<2	7.60
FRAA031	10		65.00	10	1	1	1	1	1	NJ1110		5.40	<2	7.69
FRAA032	10		45.00	10	1	1	1	4	2	NJ1110		3.70	<2	7.36
FRAA033	10		45.00	10	1	1	1	4	2	NJ1110		3.60	<2	7.55
FRAA034	10		85.00	10	1	1	1	4	2	NJ1110		5.10	<2	6.68
FRAA035	10		50.00	10	1	1	1	4	2	NJ1110		3.70	<2	7.02
FRAA036	10		70.00	10	1	1	1	1	2	NJ1110		5.20	<2	7.37
FRAA037	10		64.00	10	1	1	1	4	2	NJ1110		4.70	<2	7.68
FRAA038	10		50.00	10	1	1	1	2	2	NJ1110		5.20	<2	7.72
FRAA039	10		70.00	10	1	1	1	1	1	NJ1110		5.80	<2	7.01
FRAA040	10		75.00	10	1	1	1	1	2	NJ1110		5.60	<2	7.24
FRAA041	10		64.00	10	1	1	1	2	2	NJ1110		6.00	<2	6.98
FRAA042	10		62.00	10	1	1	1	2	2	NJ1110		5.60	<2	7.18
FRAA043	10		63.00	10	1	1	1	2	2	NJ1110		4.60	<2	7.12
FRAA044	10		62.00	10	1	1	1	4	2	NJ1110		5.10	<2	6.63
FRAA045	10		64.00	10	1	1	1	1	2	NJ1110		5.60	<2	6.68
FRAA046	10		70.00	10	1	1	1	1	2	NJ1110		7.20	<2	6.71
FRAA047	10		70.00	10	1	1	1	1	1	NJ1110		8.10	<2	6.52
FRAA048	10		65.00	10	1	1	1	1	1	NJ1110		5.50	<2	7.12
FRAA049	10		55.00	10	1	1	1	4	2	NJ1110		4.60	<2	6.93
FRAA050	10		45.00	10	1	1	1	1	1	NJ1110		3.40	<2	7.33
FRAA051	10		35.00	10	1	1	1	4	1	NJ1110		1.90	<2	6.55
FRAA052	10		45.00	10	1	1	1	2	2	NJ1110		4.10	<2	8.09
FRAA053	10		45.00	10	1	1	1	2	2	NJ1110		5.20	<2	7.28
FRAA054	10		45.00	10	1	1	1	4	2	NJ1110		2.40	<2	7.99
FRAA055	10		44.00	10	1	1	1	2	2	NJ1110		2.70	<2	8.29

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	H	BA	BE	CA	CE	CU	CR	CU	FE	HF	K	LA	LI	MG	NN
FRAA001	<10	738	2	2.00	53	6	24	25	2.47	<15	1.68	23	17	0.58	505
FRAA002	11	699	2	1.42	43	8	36	34	2.74	<15	1.64	23	19	0.47	557
FRAA003	<10	649	2	1.74	47	8	36	29	2.99	<15	1.69	23	24	0.61	579
FRAA004	<10	568	2	2.18	41	16	92	41	4.30	<15	1.36	21	31	1.48	810
FRAA005	<10	457	2	3.05	24	14	83	34	4.37	<15	0.90	13	22	1.57	840
FRAA006	<10	405	2	3.14	28	13	71	31	4.23	<15	0.83	12	15	1.45	890
FRAA007	<10	681	2	1.53	56	6	30	27	2.59	<15	1.75	20	22	0.63	480
FRAA008	13	693	2	1.58	47	7	32	75	2.47	<15	1.73	23	17	0.45	518
FRAA009	<10	692	2	1.89	42	5	27	28	2.69	<15	1.62	24	20	0.61	501
FRAA010	<10	698	2	1.44	48	7	34	29	2.63	<15	1.52	23	17	0.47	572
FRAA011	<10	683	2	1.50	44	7	36	31	2.68	<15	1.62	22	20	0.54	571
FRAA012	<10	713	2	1.32	44	7	36	36	2.53	<15	1.67	22	18	0.44	594
FRAA013	10	717	2	1.15	40	8	38	31	2.59	<15	1.71	23	19	0.43	620
FRAA014	<10	613	3	1.92	49	5	23	24	2.44	<15	1.67	27	17	0.55	471
FRAA015	12	686	2	1.21	46	9	37	29	2.55	<15	1.47	22	16	0.42	623
FRAA016	10	584	3	1.47	50	7	36	85	2.81	<15	1.59	23	28	0.54	483
FRAA017	12	675	3	1.39	45	6	27	25	2.55	<15	1.74	23	17	0.41	623
FRAA018	<10	767	2	1.42	41	7	31	27	2.51	<15	1.74	23	16	0.44	621
FRAA019	<10	661	2	1.31	30	6	24	29	2.05	<15	1.52	13	12	0.42	613
FRAA020	<10	671	2	1.38	34	5	23	21	1.87	<15	1.66	17	12	0.36	439
FRAA021	<10	459	2	1.25	32	6	33	20	2.14	<15	0.95	13	10	0.41	538
FRAA022	11	562	2	1.79	38	7	34	24	2.40	<15	1.18	13	14	0.65	622
FRAA023	17	472	3	1.23	45	4	21	29	1.95	<15	1.83	23	23	0.40	383
FRAA024	<10	631	2	1.31	29	6	27	25	1.89	<15	1.52	13	12	0.38	550
FRAA025	15	701	2	1.48	51	8	35	28	2.53	<15	1.59	24	19	0.48	582
FRAA026	13	650	2	1.64	47	7	36	31	2.76	<15	1.54	24	18	0.50	498
FRAA027	<10	657	2	2.07	51	4	21	25	2.16	<15	1.67	23	13	0.53	447
FRAA028	14	657	2	1.54	44	7	32	29	2.62	<15	1.74	23	24	0.55	539
FRAA029	13	687	2	1.21	42	8	34	40	2.55	<15	1.49	21	18	0.45	594
FRAA030	13	700	2	1.25	46	9	41	30	2.64	<15	1.51	22	16	0.46	643
FRAA031	11	557	3	1.53	54	8	37	34	2.74	<15	1.40	30	23	0.57	490
FRAA032	12	563	2	1.79	32	8	39	26	2.53	<15	1.16	13	13	0.70	682
FRAA033	13	565	2	1.54	29	4	23	30	1.68	<15	1.40	17	15	0.37	491
FRAA034	23	496	3	1.48	44	5	19	29	1.87	<15	1.58	23	20	0.46	407
FRAA035	10	621	2	1.70	34	10	35	33	2.42	<15	1.01	13	13	0.55	632
FRAA036	16	626	3	1.48	45	10	37	28	3.13	<15	1.24	24	19	0.59	664
FRAA037	10	660	2	1.61	40	8	32	23	2.48	<15	1.41	22	20	0.57	533
FRAA038	10	635	2	1.43	37	7	34	31	2.62	<15	1.23	21	17	0.50	556
FRAA039	<10	652	3	1.54	53	7	28	29	3.27	<15	1.53	23	17	0.65	561
FRAA040	<10	675	2	1.58	51	6	28	27	2.97	<15	1.46	23	14	0.54	492
FRAA041	<10	682	2	2.06	45	5	23	127	2.36	<15	1.56	23	15	0.54	437
FRAA042	10	699	2	2.01	49	5	26	26	2.69	<15	1.53	23	16	0.58	471
FRAA043	12	670	2	1.48	51	8	35	31	2.55	<15	1.43	23	17	0.51	532
FRAA044	11	592	2	1.54	47	7	34	28	2.45	<15	1.36	23	16	0.51	414
FRAA045	<10	648	2	1.52	52	6	25	33	2.72	<15	1.50	27	16	0.56	459
FRAA046	<10	655	2	2.06	61	6	27	26	3.31	<15	1.50	23	13	0.56	493
FRAA047	<10	637	2	2.00	61	7	25	27	3.35	<15	1.34	31	13	0.54	505
FRAA048	13	711	2	1.86	43	7	29	31	2.63	<15	1.64	24	18	0.57	525
FRAA049	12	645	2	1.54	41	7	31	32	2.46	<15	1.57	22	18	0.52	487
FRAA001	11	420	2	3.07	25	11	70	31	3.80	<15	0.86	12	12	1.32	774
FRAA002	11	272	1	3.63	21	12	59	21	3.59	<15	0.55	3	10	1.36	771
FRAA003	<10	565	2	2.68	42	16	75	41	4.09	<15	1.17	13	27	1.31	772
FRAA004	14	682	2	1.36	41	11	45	63	2.95	<15	1.47	23	20	0.68	677
FRAA005	13	401	2	2.98	<10	14	69	31	4.27	<15	0.86	3	14	1.43	933
FRAA006	<10	454	2	2.68	25	11	64	135	4.00	<15	0.90	14	21	1.15	674

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NO	NI	P	PH	SC	SR	TH	TI	V	T	ZH	ZR
FRAA001	<4	2.01	13	13	573	20	7	329	19	3070	61	13	60	32
FRAA002	<4	1.66	11	21	261	<10	7	251	16	3502	72	14	52	40
FRAA003	<4	1.77	13	25	363	20	8	266	20	3539	76	13	58	41
FRAA004	<4	1.49	11	96	565	39	12	237	10	4476	107	13	60	28
FRAA005	<4	1.66	10	55	553	67	14	269	2	4753	116	17	105	22
FRAA006	<4	1.74	12	35	470	100	15	261	<2	5462	121	13	133	24
FRAA007	<4	1.99	13	20	549	21	7	308	18	3278	66	13	56	37
FRAA008	<4	1.83	13	18	357	79	6	270	17	3243	67	13	87	39
FRAA009	<4	1.65	12	17	548	30	7	308	10	3157	66	14	52	33
FRAA010	<4	1.56	12	19	261	13	7	248	20	3440	70	14	50	38
FRAA011	<4	1.58	13	25	445	69	7	253	8	3444	71	14	67	35
FRAA012	<4	1.63	11	21	336	11	7	242	15	3563	71	14	55	42
FRAA013	<4	1.54	11	23	267	<10	7	219	9	3646	73	12	76	43
FRAA014	<4	1.83	14	14	812	<10	6	293	15	2953	59	13	49	35
FRAA015	<4	1.32	11	25	298	15	7	218	14	3477	73	13	51	41
FRAA016	<4	1.60	14	24	1057	28	8	233	17	3321	68	17	142	44
FRAA017	<4	1.75	15	14	232	30	6	244	7	3757	65	13	217	47
FRAA018	<4	1.63	11	17	405	47	6	252	10	3392	67	12	74	39
FRAA019	<4	1.43	10	14	163	<10	6	208	9	4634	64	11	45	37
FRAA020	<4	1.67	10	11	215	<10	5	247	11	3395	54	11	38	35
FRAA021	<4	1.16	10	15	163	81	6	179	3	5725	62	11	43	43
FRAA022	<4	1.57	12	17	295	14	7	252	7	4360	64	11	132	33
FRAA023	<4	1.74	15	12	284	12	6	193	12	2578	43	14	46	50
FRAA024	<4	1.77	10	13	213	<10	6	230	6	4062	53	9	39	37
FRAA025	<4	1.67	13	22	258	<10	8	262	13	3515	70	13	50	41
FRAA026	<4	1.72	11	22	384	23	7	279	16	3116	68	13	69	35
FRAA027	<4	2.13	13	11	459	<10	6	344	7	2778	53	14	47	27
FRAA028	<4	1.70	11	20	385	<10	7	257	21	3349	69	13	57	41
FRAA029	<4	1.45	11	19	257	<10	7	232	12	3623	67	13	64	49
FRAA030	<4	1.40	12	22	278	<10	7	225	12	3695	73	13	59	45
FRAA031	<4	1.39	15	28	515	<10	8	235	16	3038	61	17	96	52
FRAA032	<4	1.56	10	21	225	16	8	253	7	4311	69	11	62	35
FRAA033	<4	1.88	9	12	347	41	5	253	<2	3019	40	11	54	33
FRAA034	<4	1.52	14	13	1000	<10	5	214	12	2340	41	13	49	40
FRAA035	<4	1.33	10	14	246	<10	9	240	13	3664	72	14	63	45
FRAA036	<4	1.40	12	19	275	<10	8	230	15	3818	80	13	58	45
FRAA037	<4	1.54	10	19	295	<10	7	265	7	3392	65	14	53	36
FRAA038	<4	1.42	10	20	268	<10	8	240	9	3315	67	14	52	38
FRAA039	<4	1.67	14	14	368	<10	7	307	12	3531	81	13	56	32
FRAA040	<4	1.75	15	16	517	30	7	316	16	3212	72	13	59	34
FRAA041	<4	1.56	11	11	713	37	6	317	9	2834	58	14	135	27
FRAA042	<4	2.00	13	15	558	19	6	328	8	3024	64	14	64	29
FRAA043	<4	1.52	12	23	425	26	7	253	15	3159	71	13	58	33
FRAA044	<4	1.53	12	24	414	54	6	253	14	2766	62	13	61	35
FRAA045	<4	1.56	12	11	505	30	6	308	12	3008	66	14	102	28
FRAA046	<4	2.06	15	14	519	23	6	318	15	3178	81	13	51	35
FRAA047	<4	1.79	15	12	672	54	6	308	16	3006	90	13	98	31
FRAA048	<4	1.93	2	17	555	38	6	314	10	2971	55	13	208	31
FRAA049	<4	1.73	10	20	451	144	7	261	12	2942	64	13	71	29
FRA0001	<4	1.62	10	32	369	134	14	284	3	4858	115	17	121	22
FRA0002	<4	1.61	6	27	251	76	14	238	6	4619	195	13	68	16
FRA0003	<4	1.41	10	25	451	11	11	226	13	4342	105	14	62	28
FRA0004	<4	1.26	10	35	640	19	8	210	11	3819	82	13	73	35
FRA0005	<4	1.80	9	37	408	76	15	253	6	5492	125	17	61	25
FRA0006	<4	1.42	8	50	446	27	13	217	6	4491	191	13	63	31

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-OP	ODOR	COR1	COR2	COR3	FORM
FRA007	36.800	119.681	07	81580				4	1	1			5	7	QTRN
FRA009	36.761	119.681	07	81480				4	1	1			7	3	QTRN
FRA009	36.767	119.645	07	81480				4	1	1			5	7	QTRN
FRA010	36.796	119.645	07	81480				4	1	1			5	7	QTRN
FRA011	36.834	119.645	07	81480				4	1	1				7	QTRN
FRA012	36.860	119.656	07	81480				4	1	1			7	8	QTRN
FRA013	36.881	119.646	07	81480				4	1	1				8	QTRN
FRA014	36.887	119.686	07	81480				4	1	1				8	QTRN
FRA015	36.897	119.729	07	81480				4	1	1				8	QTRN
FRA016	36.921	119.733	07	81580				3	1	1				8	QTRN
FRA017	36.976	119.722	07	81480				4	1	1			5	7	QTRN
FRA018	36.955	119.725	07	81580				4	1	1				8	QTRN
FRA019	36.986	119.683	07	81580				4	1	1				8	QTRN
FRA020	36.983	119.646	07	81580				4	1	1				8	QTRN
FRA021	36.955	119.650	07	81580				4	1	1				8	QTRN
FRA022	36.947	119.679	07	81580				4	1	1				8	QTRN
FRA023	36.934	119.704	07	81580				4	1	1				8	QTRN
FRA024	36.968	119.611	07	81580				4	1	1				8	QTRN
FRA025	36.990	119.596	07	81580				4	1	1				8	QTRN
FRA026	36.960	119.570	07	81580				4	1	1				9	QTRN
FRA027	36.976	119.559	07	81580				4	1	1				8	QTRN
FRA028	36.986	119.527	07	81580				4	1	1				8	QTRN
FRA029	36.951	119.505	07	81580				4	1	1				8	QTRN
FRA030	36.921	119.516	07	81580				4	1	1				8	QTRN
FRA031	36.892	119.529	07	81580				4	1	1				8	QTRN
FRA032	36.880	119.555	07	81580				4	1	1				8	QTRN
FRA033	36.866	119.520	07	81580				4	1	1				8	QTRN
FRA034	36.852	119.556	07	81580				4	1	1				8	QTRN
FRA035	36.825	119.555	07	81580				4	1	1				8	QTRN
FRA036	36.822	119.533	07	81580				4	1	1				8	QTRN
FRA037	36.796	119.555	07	81580				4	1	1		5	7	8	QTRN
FRA038	36.793	119.518	07	81580				4	1	1				8	QTRN
FRA039	36.762	119.519	07	81580				4	1	1				8	QTRN
FRA040	36.765	119.564	07	81580				4	1	1		5	7	8	QTRN
FRA041	36.765	119.599	07	81580				4	1	1			5	7	QTRN
FRA042	36.798	119.609	07	81780				4	1	1			5	7	QTRN
FRA043	36.830	119.609	07	81780				4	1	1				8	QTRN
FRA044	36.860	119.620	07	81780				4	1	1				8	QTRN
FRAC001	36.981	119.483	07	81980				4	1	1				8	QTRN
FRAC002	36.966	119.476	07	81980				3	1	1				8	QTRN
FRAC003	36.954	119.447	07	81980				4	1	1				8	QTRN
FRAC004	36.983	119.428	07	81980				4	1	1				8	QTRN
FRAC005	36.983	119.355	07	81980				4	1	1				9	QTRN
FRAC006	36.983	119.323	07	82080				4	1	1				8	QTRN
FRAC007	36.951	119.322	07	82080				4	1	1				8	QTRN
FRAC008	36.979	119.367	07	82080				4	1	1				8	QTRN
FRAC009	36.950	119.345	07	82080				4	1	1				8	QTRN
FRAC010	36.925	119.354	07	82080				4	1	1				8	QTRN
FRAC011	36.922	119.401	07	82080				4	1	1				8	QTRN
FRAC012	36.908	119.421	07	82080				4	1	1				8	QTRN
FRAC013	36.896	119.440	07	82080				4	1	1				8	QTRN
FRAC014	36.893	119.460	07	82080				4	1	1				8	QTRN
FRAC015	36.908	119.477	07	82080				4	1	1				8	QTRN
FRAC016	36.857	119.464	07	82080				4	1	1				8	QTRN
FRAC017	36.829	119.464	07	82080				4	1	1				8	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PT	SCIN	RTYP	FLOW	SLVL	HELP	TVEG	DVEG	MAP	U-F	U-NI	AG	AL
FRA3007	10		63.00	10	1	1	1	2	2	NJ1110		2.00	<2	7.55
FRA3008	10		25.00	10	1	1	1	2	2	NJ1110		2.20	<2	7.79
FRA3009	10		25.00	10	1	1	1	4	2	NJ1110		2.10	<2	7.10
FRA3010	10		44.00	10	1	1	1	2	2	NJ1110		2.90	<2	7.80
FRA3011	10		52.00	10	1	1	1	4	2	NJ1110		2.60	<2	7.58
FRA3012	10		32.00	10	1	1	1	4	1	NJ1110		2.70	<2	8.25
FRA3013	10		30.00	10	1	1	1	4	2	NJ1110		1.40	<2	7.06
FRA3014	10		35.00	10	1	1	1	4	1	NJ1110		1.30	<2	6.69
FRA3015	10		56.00	10	1	1	1	4	2	NJ1110		4.80	<2	6.93
FRA3016	10		74.00	07	1	1	2	4	2	NJ1110		5.10	<2	6.90
FRA3017	10		33.00	10	1	1	1	4	2	NJ1110		5.40	<2	7.38
FRA3018	10		68.00	10	1	1	1	4	2	NJ1110		5.30	<2	7.54
FRA3019	10		34.00	05	1	1	1	4	2	NJ1110		2.20	<2	8.07
FRA3020	10		50.00	05	1	1	1	4	2	NJ1110		3.00	<2	8.11
FRA3021	10		34.00	05	1	1	1	4	2	NJ1110		2.10	<2	7.68
FRA3022	10		28.00	05	1	1	1	4	2	NJ1110		1.20	<2	7.12
FRA3023	10		51.00	10	1	1	2	4	2	NJ1110		3.50	<2	7.91
FRA3024	10		42.00	05	1	1	2	4	2	NJ1110		2.10	<2	7.13
FRA3025	10		42.00	04	1	1	1	4	2	NJ1110		3.70	<2	8.09
FRA3026	10		26.00	04	1	1	2	4	2	NJ1110		1.40	<2	7.66
FRA3027	10		46.00	04	1	1	2	4	2	NJ1110		2.80	<2	9.24
FRA3028	10		36.00	04	1	1	1	4	2	NJ1110		2.60	<2	9.77
FRA3029	10		42.00	04	1	1	1	4	2	NJ1110		2.00	<2	8.25
FRA3030	10		26.00	04	1	1	1	4	2	NJ1110		2.40	<2	7.28
FRA3031	10		24.00	04	1	1	1	4	2	NJ1110		1.20	<2	7.96
FRA3032	10		40.00	04	1	1	1	4	2	NJ1110		1.20	<2	6.28
FRA3033	10		36.00	04	1	1	1	4	2	NJ1110		1.90	<2	6.38
FRA3034	10		24.00	04	1	1	1	4	2	NJ1110		1.60	<2	7.39
FRA3035	10		26.00	04	1	1	1	4	2	NJ1110		2.00	<2	7.31
FRA3036	10		26.00	04	1	1	1	4	2	NJ1110		2.20	<2	6.55
FRA3037	10		31.00	10	1	1	1	4	2	NJ1110		2.20	<2	6.91
FRA3038	10		36.00	10	1	1	1	4	2	NJ1110		2.40	<2	6.92
FRA3039	10		60.00	10	1	1	1	4	2	NJ1110		4.70	<2	6.14
FRA3040	10		42.00	10	1	1	1	4	2	NJ1110		2.00	<2	7.43
FRA3041	10		21.00	10	1	1	1	4	2	NJ1110		2.10	<2	7.71
FRA3042	10		36.00	10	1	1	1	2	2	NJ1110		1.90	<2	7.35
FRA3043	10		41.00	10	1	1	1	4	2	NJ1110		3.10	<2	6.37
FRA3044	10		42.00	10	1	1	1	2	2	NJ1110		2.70	<2	7.44
FRA3001	10		34.00	04	1	1	1	4	2	NJ1110		4.10	<2	7.58
FRA3002	10		44.00	04	1	1	2	4	2	NJ1110		3.50	<2	7.87
FRA3003	10		27.00	04	1	1	1	4	2	NJ1110		1.90	<2	7.30
FRA3004	10		33.00	04	1	1	2	2	2	NJ1110		1.60	<2	7.74
FRA3005	10		36.00	04	1	1	2	4	2	NJ1110		1.50	<2	7.44
FRA3006	10		35.00	04	1	1	1	4	2	NJ1110		3.40	<2	9.33
FRA3007	10		31.00	04	1	1	3	2	2	NJ1110		1.60	<2	8.31
FRA3008	10		48.00	04	1	1	1	4	2	NJ1110		3.70	<2	6.71
FRA3009	10		60.00	04	1	1	3	4	2	NJ1110		3.90	<2	6.75
FRA3010	10		40.00	04	1	1	1	4	2	NJ1110		1.10	<2	6.30
FRA3011	10		26.00	04	1	1	2	4	2	NJ1110		0.90	<2	6.45
FRA3012	10		20.00	04	1	1	3	4	2	NJ1110		0.70	<2	2.71
FRA3013	10		33.00	04	1	1	1	4	2	NJ1110		2.40	<2	6.63
FRA3014	10		29.00	04	1	1	1	4	2	NJ1110		1.50	<2	7.15
FRA3015	10		30.00	04	1	1	1	4	2	NJ1110		1.80	<2	6.50
FRA3016	10		22.00	04	1	1	1	4	2	NJ1110		1.70	<2	7.40
FRA3017	10		24.00	04	1	1	2	4	2	NJ1110		1.80	<2	7.86

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CU	CR	CU	FE	HF	K	LA	LI	MG	NN
FRA0007	<10	316	1	3.43	20	13	72	27	4.05	<15	0.61	12	10	1.52	865
FRA0008	11	385	1	2.56	32	24	197	60	4.86	<15	0.80	12	20	2.08	923
FRA0009	12	312	2	3.08	28	14	121	25	4.44	<15	0.64	12	10	1.44	897
FRA0010	<10	450	2	2.53	34	14	60	34	3.78	<15	0.91	12	14	1.24	864
FRA0011	<10	443	2	2.37	38	13	62	34	3.73	<15	0.79	12	14	1.16	807
FRA0012	<10	384	2	2.19	29	14	75	34	4.33	<15	0.79	12	20	1.27	793
FRA0013	<10	228	1	3.29	17	13	43	13	4.66	<15	0.50	5	9	1.32	984
FRA0014	<10	170	2	3.25	23	15	52	24	5.49	<15	0.36	5	7	1.69	1195
FRA0015	<10	674	2	1.27	24	6	29	27	2.36	<15	1.42	14	14	0.47	638
FRA0016	<10	683	2	1.96	59	6	17	24	2.35	20	1.44	22	15	0.56	445
FRA0017	<10	690	2	2.00	53	6	20	27	2.82	<15	1.54	27	18	0.59	519
FRA0018	<10	706	2	1.97	63	7	24	29	3.37	<15	1.56	34	19	0.93	583
FRA0019	<10	340	1	3.34	27	16	109	73	4.31	<15	0.55	12	13	2.05	823
FRA0020	<10	569	2	3.12	32	9	33	28	3.47	<15	0.88	12	12	1.15	681
FRA0021	<10	342	1	3.19	26	17	118	45	4.11	<15	0.63	11	14	2.04	956
FRA0022	<10	206	1	2.94	15	17	50	67	5.72	<15	0.33	5	11	1.81	1385
FRA0023	<10	543	2	2.18	31	10	33	30	3.45	<15	1.18	12	27	1.07	661
FRA0024	<10	602	1	2.08	28	9	17	23	3.78	<15	1.05	12	23	0.94	753
FRA0025	<10	696	2	2.19	41	6	15	43	2.90	<15	1.02	22	23	0.57	658
FRA0026	<10	290	1	2.57	13	22	121	57	5.53	<15	0.74	5	20	2.47	1194
FRA0027	<10	613	2	2.46	27	7	13	25	2.99	<15	1.15	12	26	0.69	841
FRA0028	<10	444	1	2.81	37	7	11	22	3.21	<15	0.60	12	18	0.80	557
FRA0029	<10	508	2	2.70	31	12	58	32	3.94	<15	1.11	12	23	1.53	811
FRA0030	12	316	1	3.26	34	18	30	50	5.35	<15	0.73	12	14	1.73	984
FRA0031	<10	219	1	4.51	17	23	85	40	5.79	<15	0.44	5	13	2.19	1055
FRA0032	<10	267	1	2.52	18	24	287	56	4.22	17	0.56	5	14	2.59	831
FRA0033	11	274	1	2.54	28	17	58	36	4.48	<15	0.58	12	14	1.56	806
FRA0034	<10	321	1	2.74	22	12	50	15	3.55	<15	0.55	5	12	1.07	743
FRA0035	<10	260	1	2.68	18	19	150	25	4.72	19	0.61	5	15	1.57	855
FRA0036	<10	276	1	2.43	22	16	160	15	3.70	<15	0.55	12	11	1.32	827
FRA0037	14	337	1	2.46	26	15	93	19	3.77	<15	0.76	12	12	1.21	901
FRA0038	10	371	1	2.26	27	14	53	17	3.55	16	0.79	12	12	1.10	903
FRA0039	<10	609	2	1.33	33	7	37	28	2.25	<15	1.40	12	13	0.54	594
FRA0040	10	273	1	3.57	20	16	170	28	4.74	<15	0.54	5	10	1.77	959
FRA0041	13	334	1	3.27	19	13	88	24	4.06	<15	0.75	5	10	1.46	897
FRA0042	<10	361	1	2.74	23	10	58	24	2.95	<15	0.71	11	9	1.04	846
FRA0043	<10	431	2	2.03	31	12	63	14	3.30	<15	0.92	12	12	0.97	923
FRA0044	<10	450	2	2.35	29	14	63	16	2.59	<15	1.01	12	15	1.17	903
FRA0045	<10	554	1	2.25	25	10	17	16	3.68	<15	1.15	11	20	0.55	722
FRA0046	<10	465	2	2.23	60	9	24	20	3.40	<15	1.03	22	23	0.69	577
FRA0047	<10	268	1	2.57	17	13	41	17	4.81	<15	0.57	7	13	1.33	945
FRA0048	<10	400	1	3.51	12	16	47	17	4.66	<15	0.60	7	19	1.98	811
FRA0049	<10	498	1	2.75	14	16	33	8	4.05	<15	0.55	5	14	1.03	657
FRA0050	<10	707	2	2.37	38	14	29	26	5.14	<15	1.34	12	22	1.36	991
FRA0051	14	446	2	2.34	23	13	21	21	4.61	<15	1.03	12	17	1.19	742
FRA0052	13	627	1	1.99	18	8	22	13	3.13	<15	1.41	12	21	0.86	603
FRA0053	12	728	2	1.15	37	7	40	39	2.72	<15	1.97	22	23	0.73	421
FRA0054	10	226	1	3.07	17	11	41	9	4.23	<15	0.53	7	8	1.24	996
FRA0055	10	174	1	2.30	12	11	30	48	3.50	<15	0.52	5	7	0.87	867
FRA0056	10	115	1	1.86	12	56	328	18	4.06	<15	0.39	6	9	4.14	761
FRA0057	16	512	1	2.23	28	15	93	57	3.75	<15	0.86	12	15	1.26	631
FRA0058	12	256	1	3.27	22	16	46	23	4.58	<15	0.71	12	16	1.02	842
FRA0059	23	192	1	3.37	17	17	45	75	4.85	<15	0.57	5	9	1.46	900
FRA0060	24	302	1	2.99	20	18	45	27	4.63	<15	0.89	5	13	1.47	902
FRA0061	<10	380	1	2.46	36	11	35	13	4.03	<15	1.05	13	21	1.19	851

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PD	SC	SR	TH	TI	V	T	ZR	ZK
FRA0007	<4	1.81	8	33	263	45	15	282	9	5119	113	15	65	20
FRA0008	<4	1.22	9	181	558	22	16	186	8	4375	129	17	119	26
FRA0009	<4	1.48	10	35	325	14	17	218	7	6153	143	19	65	21
FRA0010	<4	1.62	11	35	325	10	13	242	<2	4892	109	15	75	24
FRA0011	<4	1.39	10	44	350	21	13	242	11	4575	97	15	74	26
FRA0012	<4	1.30	9	55	414	<10	15	204	4	4966	111	21	79	27
FRA0013	<4	1.83	9	18	339	13	18	199	<2	5830	154	21	77	18
FRA0014	<4	1.61	9	19	199	<10	21	170	3	7714	195	22	77	14
FRA0015	<4	1.43	8	15	362	<10	6	217	<2	3581	63	14	54	32
FRA0016	<4	1.83	14	12	652	37	6	318	15	2773	53	14	50	31
FRA0017	<4	2.02	14	10	518	25	6	316	5	3032	67	14	280	29
FRA0018	<4	1.98	14	12	665	20	7	311	9	3305	75	15	63	30
FRA0019	<4	1.34	7	48	514	17	17	262	6	4256	115	15	78	13
FRA0020	<4	1.65	11	12	719	22	12	358	3	4633	95	16	113	29
FRA0021	<4	1.44	9	52	540	15	16	274	6	4839	113	15	75	21
FRA0022	<4	1.71	5	20	807	<10	20	183	4	5039	148	19	142	7
FRA0023	<4	1.74	9	17	510	10	11	251	9	4190	82	14	62	24
FRA0024	<4	1.43	7	5	577	11	12	215	<2	3925	82	15	101	11
FRA0025	<4	1.80	9	6	816	14	8	313	8	3221	60	15	64	43
FRA0026	<4	1.71	5	34	292	<10	21	206	<2	4229	151	14	66	15
FRA0027	<4	2.24	10	9	544	<10	8	295	4	3492	44	12	124	27
FRA0028	<4	1.52	7	9	713	26	9	329	<2	3746	68	14	85	10
FRA0029	<4	1.96	11	25	775	11	12	266	4	5707	105	17	96	19
FRA0030	<4	1.28	7	16	932	<10	20	157	7	5665	164	23	65	22
FRA0031	<4	1.49	8	35	654	17	25	213	<2	6388	219	25	99	22
FRA0032	<4	1.21	6	219	546	11	15	161	7	3697	104	12	75	16
FRA0033	<4	1.39	7	27	381	19	17	187	3	4634	145	15	76	22
FRA0034	<4	1.77	7	31	298	34	13	221	5	4162	95	15	75	21
FRA0035	<4	1.48	7	98	322	94	16	172	<2	4918	139	15	62	17
FRA0036	<4	1.37	3	74	252	20	14	175	<2	4878	100	17	66	25
FRA0037	<4	1.53	8	38	392	37	14	187	9	5438	122	17	81	24
FRA0038	<4	1.42	8	29	271	<10	13	192	6	4948	115	17	62	25
FRA0039	<4	1.43	12	19	383	12	7	198	5	3747	66	12	51	33
FRA0040	<4	1.64	9	61	357	42	19	215	2	5094	150	22	97	22
FRA0041	<4	1.82	9	29	255	<10	17	231	<2	5168	139	25	89	23
FRA0042	<4	1.73	9	30	208	26	11	255	6	4040	87	15	84	21
FRA0043	<4	1.45	13	21	246	17	11	194	2	5266	100	12	56	28
FRA0044	<4	1.59	9	40	258	<10	12	241	6	5301	95	14	105	27
FRAC001	<4	1.61	7	6	788	<10	12	215	<2	3849	81	15	77	13
FRAC002	<4	1.64	10	9	1012	<10	10	180	15	4108	75	25	65	15
FRAC003	<4	1.57	7	25	599	45	13	214	<2	6775	100	15	122	13
FRAC004	<4	1.18	6	17	664	16	15	293	<2	4943	142	7	115	21
FRAC005	<4	1.43	7	12	417	<10	10	308	<2	4157	90	5	81	23
FRAC006	<4	1.53	12	11	446	<10	12	290	4	5873	132	24	107	25
FRAC007	<4	1.39	8	10	857	<10	13	250	5	5913	145	15	66	15
FRAC008	<4	1.47	8	8	304	20	10	187	2	4013	106	15	72	26
FRAC009	<4	1.07	10	20	418	21	9	183	2	3404	106	15	91	23
FRAC010	<4	1.47	8	18	242	16	16	204	3	5845	165	15	72	16
FRAC011	<4	2.69	7	27	335	<10	14	141	<2	3760	100	15	50	12
FRAC012	<4	2.54	7	543	225	<10	7	36	<2	3745	80	15	47	10
FRAC013	<4	1.18	7	66	411	10	14	205	5	3615	198	15	69	18
FRAC014	<4	1.44	6	24	255	17	17	184	6	4523	178	15	90	18
FRAC015	<4	1.56	7	18	340	27	18	177	2	5400	207	22	104	15
FRAC016	<4	1.47	6	22	485	<10	16	179	3	4761	182	15	80	25
FRAC017	<4	1.53	6	14	836	32	12	236	<2	4542	115	15	84	13

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	ITEM	COND	ALK	SIZE	WIDE	S-UP	ODOR	CUN1	CUN2	CUN3	FUR4
FRAC018	36.802	119.499	07	82080				4	1	1				8	TATR
FRAC019	36.764	119.474	07	82080				4	1	1				8	TATR
FRAC020	36.829	119.345	07	82180				4	1	1				8	TATR
FRAC021	36.822	119.380	07	82180				4	1	1				8	TATR
FRAC022	36.800	119.359	07	82180				4	1	1				8	TATR
FRAC023	36.787	119.424	07	82180				4	1	1				8	TATR
FRAC024	36.764	119.446	07	82180				4	1	1			3	7	QTRN
FRAC025	36.767	119.353	07	92180				4	1	1			3	7	QTRN
FRAC026	36.811	119.334	07	82180				4	1	1				8	TATR
FRAC027	36.794	119.312	07	82180				4	1	1				8	QTRN
FRAC028	36.773	119.270	07	82180				4	1	1				8	TATR
FRAC029	36.784	119.287	07	82180				4	1	1				8	TATR
FRAC030	36.831	119.329	07	82180				4	1	1				8	TATR
FRAC031	36.861	119.348	07	82180				4	1	1				8	TATR
FRAC032	36.876	119.345	07	82180				4	1	1				8	TATR
FRAC033	36.868	119.308	07	82180				4	1	1				8	TATR
FRAC034	36.870	119.284	07	82180				4	1	1				3	TATR
FRAC035	36.892	119.297	07	82180				4	1	1				8	TATR
FRAC036	36.917	119.312	07	82180				4	1	1				8	TATR
FRAC037	36.918	119.275	07	82280				4	1	1				8	TATR
FRAC038	36.894	119.257	07	82280				4	1	1				8	TATR
FRAC039	36.982	119.264	07	82280				4	1	1				8	TATR
FRAD001	36.921	119.245	07	82280				4	1	1				8	TATR
FRAD002	36.952	119.236	07	82280				4	1	1				8	TATR
FRAD003	36.986	119.213	07	82280				4	1	1				8	TATR
FRAD004	36.992	119.158	07	82280				4	1	1				8	TATR
FRAD005	36.979	119.170	07	82280				4	1	1				8	TATR
FRAD006	36.948	119.182	07	82280				4	1	1				8	TATR
FRAD007	36.919	119.182	07	82280				4	1	1				8	TATR
FRAD008	36.918	119.138	07	82280				4	1	1				6	TATR
FRAD009	36.889	119.114	07	82280				4	1	1				8	TATR
FRAD010	36.866	119.126	07	82380				4	1	1				8	TATR
FRAD011	36.886	119.152	07	82380				4	1	1				8	TATR
FRAD012	36.883	119.184	07	82380				4	1	1				8	TATR
FRAD013	36.890	119.227	07	82380				4	1	1				8	TATR
FRAD014	36.767	119.170	07	82480				4	1	1				8	TATR
FRAD015	36.796	119.178	07	82480				4	1	1				8	TATR
FRAD016	36.820	119.165	07	82380				4	1	1				8	TATR
FRAD017	36.810	119.155	07	82480				4	1	1				8	TATR
FRAD018	36.758	119.100	07	82480				4	1	1				8	TATR
FRAD019	36.763	119.139	07	82480				4	1	1				8	TATR
FRAD020	36.765	119.057	07	82580				4	1	1				8	TATR
FRAD021	36.796	119.096	07	82580				4	1	1				8	TATR
FRAD022	36.821	119.077	07	82580				4	1	1				8	TATR
FRAD023	36.825	119.088	07	82580				4	1	1				8	TATR
FRAD024	36.857	119.098	07	82580				4	1	1				8	TATR
FRAD025	36.915	119.099	07	82580				4	1	1				8	TATR
FRAD026	36.901	119.061	07	82580				4	1	1				8	TATR
FRAD027	36.910	119.055	07	82580				4	1	1				8	TATR
FRAD028	36.930	119.025	07	82580				4	1	1				8	TATR
FRAD029	36.949	119.014	07	82580				4	1	1				8	TATR
FRAD030	36.978	119.011	07	82580				4	1	1				8	TATR
FRAD031	36.976	119.053	07	82580				4	1	1				8	TATR
FRAD032	36.956	119.051	07	82580				4	1	1				8	TATR
FRAD033	36.983	119.055	07	82580				4	1	1				8	TATR

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMP_L	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-F	U-NT	AG	AL
FRAC018	10		36.00	04	1	1	1	4	2	NJ1110		2.70	<2	7.68
FRAC019	10		50.00	04	1	1	2	4	2	NJ1110		5.20	<2	6.39
FRAC020	10		24.00	04	1	1	2	4	2	NJ1110		1.70	<2	7.10
FRAC021	10		22.00	04	1	1	3	4	2	NJ1110		2.20	<2	4.33
FRAC022	10		26.00	04	1	1	3	4	2	NJ1110		1.30	<2	7.91
FRAC023	10		38.00	04	1	1	1	4	2	NJ1110		1.90	<2	7.41
FRAC024	10		50.00	10	1	1	1	2	2	NJ1110		3.70	<2	6.46
FRAC025	10		26.00	10	1	1	1	2	2	NJ1110		1.10	<2	6.92
FRAC026	10		18.00	04	1	1	4	4	2	NJ1110		0.60	<2	6.94
FRAC027	10		50.00	10	1	1	1	4	2	NJ1110		1.30	<2	7.18
FRAC028	10		30.00	04	1	1	4	4	2	NJ1110		0.90	<2	7.61
FRAC029	10		8.00	04	1	1	4	2	2	NJ1110		0.90	<2	6.92
FRAC030	10		22.00	04	1	1	3	4	2	NJ1110		1.00	<2	7.46
FRAC031	10		34.00	04	1	1	2	4	2	NJ1110		2.90	<2	7.75
FRAC032	10		36.00	04	1	1	1	4	2	NJ1110		2.10	<2	6.68
FRAC033	10		26.00	04	1	1	1	4	2	NJ1110		2.10	<2	3.94
FRAC034	10		20.00	04	1	1	3	2	1	NJ1110		0.50	<2	8.32
FRAC035	10		150.00	05	1	1	4	4	2	NJ1110		5.70	<2	5.90
FRAC036	10		14.00	04	1	1	4	2	1	NJ1110		0.00	<2	7.06
FRAC037	10		18.00	04	1	1	2	2	1	NJ1110		3.00	<2	8.52
FRAC038	10		24.00	04	1	1	2	4	2	NJ1110		1.50	<2	6.33
FRAC039	10		44.00	04	1	1	4	2	2	NJ1110		4.50	<2	7.36
FRAD001	10		66.00	05	1	1	2	4	2	NJ1110		3.80	<2	7.35
FRAD002	10		73.00	05	1	1	3	2	2	NJ1110		8.90	<2	7.92
FRAD003	10		60.00	04	1	1	3	2	2	NJ1110		6.40	<2	9.46
FRAD004	10		62.00	04	1	1	2	1	3	NJ1110		6.70	<2	9.30
FRAD005	10		63.00	04	1	1	3	2	3	NJ1110		6.60	<2	8.11
FRAD006	10		52.00	04	1	1	4	1	3	NJ1110		4.80	<2	7.96
FRAD007	10		35.00	04	1	1	4	2	3	NJ1110		1.80	<2	7.52
FRAD008	10		38.00	04	1	1	4	2	3	NJ1110		1.60	<2	7.78
FRAD009	10		39.00	04	1	1	4	2	3	NJ1110		2.30	<2	8.16
FRAD010	10		115.00	05	1	1	3	4	2	NJ1110		9.80	<2	5.72
FRAD011	10		48.00	05	1	1	3	4	1	NJ1110		2.30	<2	7.95
FRAD012	10		54.00	04	1	1	3	4	2	NJ1110		2.50	<2	7.76
FRAD013	10		38.00	04	1	1	3	4	2	NJ1110		2.40	<2	7.76
FRAD014	10		34.00	04	1	1	2	2	1	NJ1110		2.80	<2	8.58
FRAD015	10		40.00	04	1	1	1	4	2	NJ1110		2.90	<2	7.14
FRAD016	10		48.00	04	1	1	3	2	2	NJ1110		4.00	<2	8.10
FRAD017	10		36.00	04	1	1	1	2	2	NJ1110		4.00	<2	8.77
FRAD018	10		55.00	04	1	1	3	2	1	NJ1110		4.70	<2	7.03
FRAD019	10		52.00	04	1	1	1	4	2	NJ1110		3.70	<2	8.03
FRAD020	10		42.00	04	1	1	2	2	1	NJ1110		4.50	<2	8.30
FRAD021	10		51.00	04	1	1	4	2	2	NJ1110		4.20	<2	9.14
FRAD022	10		36.00	04	1	1	2	2	2	NJ1110		2.60	<2	6.57
FRAD023	10		36.00	04	1	1	2	2	2	NJ1110		4.40	<2	8.55
FRAD024	10		46.00	04	1	1	4	2	1	NJ1110		5.00	<2	6.39
FRAD025	10		110.00	04	1	1	4	2	1	NJ1110		11.30	<2	8.76
FRAD026	10		71.00	04	1	1	4	2	2	NJ1110		9.30	<2	9.73
FRAD027	10		70.00	04	1	1	4	2	2	NJ1110		7.80	<2	8.30
FRAD028	10		61.00	04	1	1	4	2	2	NJ1110		8.50	<2	7.92
FRAD029	10		49.00	04	1	1	3	2	1	NJ1110		4.10	<2	8.49
FRAD030	10		63.00	04	1	1	3	2	2	NJ1110		8.50	<2	9.16
FRAD031	10		55.00	04	1	1	2	2	2	NJ1110		1.50	<2	9.30
FRAD032	10		72.00	04	1	1	2	2	1	NJ1110		15.20	<2	7.60
FRAD033	10		79.00	04	1	1	2	2	2	NJ1110		15.70	<2	7.29

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRAC018	<10	475	1	2.67	30	16	44	34	4.82	<15	1.01	16	21	1.46	893
FRAC019	14	716	1	1.23	35	10	50	40	2.57	<15	1.91	17	16	0.51	676
FRAC020	<10	215	1	2.46	17	12	13	10	2.69	<15	0.52	9	12	1.31	494
FRAC021	<10	266	1	1.66	14	75	1022	29	5.91	<15	0.81	7	13	4.46	918
FRAC022	<10	174	1	3.49	<10	20	190	65	3.26	<15	0.40	9	11	2.15	535
FRAC023	18	322	1	2.76	25	17	144	19	3.84	<15	0.86	12	13	1.72	748
FRAC024	<10	622	2	1.80	48	5	26	22	2.65	<15	1.72	25	16	0.83	477
FRAC025	10	210	1	2.95	11	15	55	37	4.22	<15	0.45	9	11	1.56	769
FRAC026	<10	119	<1	3.38	<10	23	95	27	3.51	<15	0.35	9	9	2.08	636
FRAC027	11	244	1	3.24	<10	19	40	35	4.04	<15	0.67	9	12	1.53	879
FRAC028	11	145	1	2.63	<10	21	139	42	4.74	<15	0.24	6	8	1.83	697
FRAC029	<10	155	1	3.85	<10	21	120	55	4.14	<15	0.51	9	7	1.84	635
FRAC030	16	275	1	3.64	12	22	152	77	3.29	<15	0.30	9	7	2.38	610
FRAC031	<10	401	1	2.55	30	11	47	13	3.37	<15	1.08	19	20	1.26	555
FRAC032	11	332	1	2.27	17	18	177	45	2.25	<15	0.95	9	18	1.63	768
FRAC033	<10	321	1	0.69	15	107	1923	19	7.65	<15	0.84	19	17	4.53	1094
FRAC034	<10	177	1	4.37	14	21	44	35	4.97	<15	0.40	9	13	1.84	703
FRAC035	<10	713	2	0.24	49	6	52	35	2.55	<15	2.29	29	27	0.87	227
FRAC036	<10	251	1	2.55	14	13	64	28	2.43	<15	0.49	9	8	1.54	718
FRAC037	<10	615	1	1.85	21	7	7	4	3.04	24	1.36	19	38	0.68	463
FRAC038	<10	1031	1	2.59	26	24	118	108	5.53	17	1.34	14	28	1.98	1013
FRAC039	31	546	1	3.20	34	17	42	16	5.44	<15	0.92	19	22	1.41	781
FRAD001	<10	908	2	1.58	34	11	59	47	3.51	<15	1.54	17	23	1.20	637
FRAD002	<10	470	2	2.67	52	8	16	9	2.97	<15	1.23	31	29	0.84	553
FRAD003	14	565	2	2.70	43	6	9	7	2.26	<15	1.10	29	26	0.55	440
FRAD004	<10	597	2	0.54	48	14	22	18	4.80	<15	1.43	29	40	0.87	1842
FRAD005	12	555	2	0.75	41	12	28	18	3.58	<15	1.41	21	35	0.76	1040
FRAD006	<10	524	1	2.83	46	13	41	18	4.36	<15	0.91	29	27	1.32	675
FRAD007	<10	281	1	2.81	22	18	122	29	4.15	<15	0.66	19	20	1.64	621
FRAD008	<10	460	1	3.33	25	12	22	13	4.59	<15	0.84	14	19	1.23	708
FRAD009	<10	545	1	2.74	30	14	24	23	4.61	<15	0.99	19	19	1.12	883
FRAD010	<10	876E	2	1.04	41	14	70	146	5.11	<15	1.53	29	32	1.22	753
FRAD011	<10	402	1	3.28	27	18	20	27	5.11	<15	0.72	9	21	1.27	888
FRAD012	<10	398	1	2.57	23	11	33	12	4.25	<15	0.84	19	38	1.29	606
FRAD013	<10	584	1	3.20	35	15	13	13	5.07	<15	0.78	19	24	1.25	765
FRAD014	<10	336	1	2.75	16	15	24	29	4.38	<15	0.66	9	16	1.21	804
FRAD015	<10	756	1	2.16	17	11	50	26	3.36	<15	1.34	9	22	1.21	691
FRAD016	<10	452	1	2.48	25	10	9	10	3.87	<15	0.96	14	17	0.94	723
FRAD017	<10	564	1	2.83	16	8	16	13	2.99	<15	1.09	9	19	0.84	516
FRAD018	<10	1583	1	1.77	21	18	60	66	3.88	<15	1.75	9	35	1.31	511
FRAD019	13	489	1	2.25	15	7	14	13	2.49	<15	1.19	9	16	0.67	563
FRAD020	11	540	1	1.46	18	12	24	17	4.23	<15	1.40	19	24	1.03	784
FRAD021	41	603	1	1.72	48	13	21	28	3.78	<15	1.18	24	37	1.66	629
FRAD022	<10	724	1	1.59	24	10	33	23	3.57	<15	0.93	14	18	0.95	898
FRAD023	37	1626	1	1.12	36	18	63	93	4.66	<15	1.33	19	35	1.24	1532
FRAD024	29	355E	1	0.22	42	14	70	133	3.94	<15	1.55	29	33	1.22	979
FRAD025	34	473	3	1.36	61	4	18	7	2.54	<15	1.41	34	37	0.34	561
FRAD026	33	463	3	1.90	45	8	19	10	3.40	<15	1.40	19	59	0.85	659
FRAD027	<10	444	2	1.68	66	6	13	9	2.76	<15	1.19	27	35	0.46	409
FRAD028	<10	593	2	2.25	76	5	6	4	3.11	<15	1.24	29	31	0.48	609
FRAD029	31	471	2	2.00	56	5	5	6	2.97	<15	1.05	29	28	0.49	511
FRAD030	36	474	2	1.35	80	9	20	11	3.96	29	1.20	36	48	0.76	593
FRAD031	40	785	2	0.52	45	11	37	22	3.29	<15	2.31	29	63	0.54	2141
FRAD032	13	467	3	0.93	24	5	21	13	2.38	<15	2.11	19	58	0.40	471
FRAD033	40	477	2	0.16	36	43	46	47	3.51	<15	2.32	17	25	0.27	1409

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZK
FRAC018	<4	1.47	8	25	918	13	16	204	4	5321	177	29	77	14
FRAC019	<4	1.39	11	25	480	70	6	214	<2	3815	86	12	271	37
FRAC020	<4	1.54	5	25	334	12	7	240	<2	2057	69	5	43	6
FRAC021	<4	0.70	6	1484	428	13	11	107	<2	2449	91	9	65	19
FRAC022	<4	1.66	5	144	242	27	12	196	<2	3090	112	9	103	12
FRAC023	<4	1.71	9	145	364	76	13	226	3	4163	126	17	72	21
FRAC024	<4	1.71	11	23	422	15	6	280	12	2814	76	14	71	26
FRAC025	<4	1.35	4	28	167	<10	13	228	3	4796	133	11	64	15
FRAC026	<4	1.46	5	106	408	<10	9	188	<2	2718	106	5	38	7
FRAC027	<4	1.63	4	22	553	21	14	206	3	3065	213	5	55	13
FRAC028	<4	0.55	24	58	55	10	21	102	<2	3614	178	11	51	13
FRAC029	<4	1.47	4	42	304	<10	17	176	<2	4672	233	10	48	10
FRAC030	<4	0.83	6	44	187	<10	19	121	6	2460	112	5	34	12
FRAC031	<4	1.64	9	24	478	11	11	356	<2	4849	126	12	63	16
FRAC032	<4	1.65	6	154	496	19	11	243	<2	3732	105	10	57	17
FRAC033	<4	0.60	7	2091	276	15	9	100	<2	2379	92	5	77	21
FRAC034	<4	1.03	6	48	932	12	15	372	3	4628	208	10	90	16
FRAC035	<4	0.25	9	21	173	20	9	78	10	2804	132	10	101	59
FRAC036	<4	1.63	8	37	257	<10	11	259	<2	2881	130	5	41	9
FRAC037	<4	1.54	7	6	934	<10	5	224	5	3429	65	5	73	19
FRAC038	<4	1.44	6	71	777	11	15	220	<2	4728	197	10	147	6
FRAC039	<4	0.53	9	7	1417	<10	18	179	<2	7017	212	21	69	17
FRAD001	<4	1.24	12	33	393	15	11	226	11	4782	145	14	92	29
FRAD002	<4	1.76	12	6	807	21	9	293	18	4869	112	10	58	18
FRAD003	<4	2.04	8	3	1270	10	6	376	11	3561	81	5	45	22
FRAD004	<4	0.84	13	14	1087	<10	11	118	11	6541	153	17	130	39
FRAD005	<4	0.70	12	19	1321	23	7	105	11	4424	107	10	106	37
FRAD006	4	1.33	12	18	613	12	11	318	5	7285	164	10	51	48
FRAD007	<4	0.62	7	19	789	<10	15	161	7	6405	204	10	63	16
FRAD008	<4	1.62	8	12	1368	15	11	442	<2	6669	172	9	90	14
FRAD009	<4	1.06	12	14	1270	14	11	289	<2	7213	172	14	89	21
FRAD010	5	0.21	13	95	2853	20	11	182	3	3790	454	24	377	27
FRAD011	<4	1.40	11	20	1432	<10	14	238	2	6822	199	10	75	17
FRAD012	<4	1.78	9	13	890	10	9	461	4	6429	161	5	92	19
FRAD013	<4	1.42	10	5	1295	10	11	470	6	6773	223	11	104	21
FRAD014	<4	1.57	7	11	320	<10	13	228	4	4204	156	10	68	15
FRAD015	<4	1.53	7	33	491	<10	11	231	2	3795	117	11	64	25
FRAD016	<4	1.74	9	8	275	11	11	262	<2	3992	108	12	66	31
FRAD017	<4	1.54	6	7	418	<10	10	307	<2	3823	95	10	59	26
FRAD018	5	1.49	7	33	476	21	12	166	6	5666	160	5	105	28
FRAD019	<4	1.97	6	8	185	25	8	211	4	2520	78	5	55	37
FRAD020	<4	0.57	7	14	374	<10	13	124	2	4505	147	10	78	24
FRAD021	<4	1.25	9	13	1639	18	8	195	14	4190	121	10	85	24
FRAD022	<4	1.64	4	23	757	11	12	175	4	4354	116	11	81	17
FRAD023	<4	1.80	9	48	1323	18	14	119	4	3962	177	17	139	28
FRAD024	6	0.12	7	55	631	14	9	71	3	3212	216	14	142	25
FRAD025	<4	2.22	13	7	257	18	6	215	24	2373	39	10	59	46
FRAD026	<4	1.54	5	10	958	20	10	194	15	3981	90	17	84	65
FRAD027	<4	1.87	8	5	1466	17	8	205	9	3526	58	21	76	25
FRAD028	<4	2.09	22	3	806	14	14	250	10	3999	57	30	68	25
FRAD029	<4	2.03	8	3	1155	12	8	238	5	3923	50	20	73	20
FRAD030	<4	1.36	8	14	980	17	9	172	15	4883	99	10	90	44
FRAD031	<4	1.56	19	22	873	21	9	100	3	4056	73	14	172	60
FRAD032	<4	1.97	20	11	824	20	6	110	3	3462	53	5	64	57
FRAD033	<4	3.41	9	25	1260	30	6	59	8	2641	57	5	50	36

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-DP	ODOR	CON1	CON2	CON3	FORM
FRAD034	36.863	119.055	07	82580				4	1	1				0	TATR
FRAD035	36.864	119.029	07	82580				4	1	1				0	TATR
FRAD036	36.765	119.009	07	82680				3	1	1				0	TATR
FRAD037	36.783	119.019	07	82680				4	1	1				0	TATR
FRAD038	36.762	119.240	07	82680				4	1	1				0	TATR
FRAE001	36.984	118.992	07	82580				4	1	1				0	TATR
FRAE002	36.770	118.959	07	82580				4	1	1				0	TATR
FRAE003	36.803	118.937	07	82580				4	1	1				0	TATR
FRAE004	36.755	118.855	07	82680				4	1	1				0	TATR
FRAE005	36.770	118.885	07	82680				3	1	1				0	TATR
FRAE006	36.800	118.854	07	82680				4	1	1				0	TATR
FRAE007	36.778	118.823	07	82680				4	1	1				0	TATR
FRAE008	36.799	118.904	07	82680				4	1	1				0	TATR
FRAE009	36.821	118.935	07	82680				4	1	1				0	TATR
FRAE010	36.832	118.890	07	82680				3	1	1				0	TATR
FRAE011	36.826	118.852	07	82680				4	1	1				0	TATR
FRAE012	36.820	118.823	07	82680				4	1	1				0	TATR
FRAE013	36.807	118.794	07	82680				4	1	1				0	TATR
FRAE014	36.808	118.764	07	82680				4	1	1				0	TATR
FRAE015	36.770	118.979	07	82680				4	1	1				0	TATR
FRAE016	36.823	118.962	07	82680				4	1	1				0	TATR
FRAE017	36.801	118.970	07	82680				4	1	1				0	TATR
FRAF001	36.803	118.729	07	82680				4	1	1				0	TATR
FRAF002	36.802	118.697	07	82680				4	1	1				0	TATR
FRAG001	36.773	118.340	07	81480				4	1	1				2	QTRN
FRAG002	36.775	118.319	07	81480				4	1	1				2	QTRN
FRAG003	36.815	118.315	07	81480				4	1	1				2	QTRN
FRAG004	36.800	118.304	07	81480				4	1	1				2	QTRN
FRAG005	36.790	118.288	07	81480				4	1	1				2	QTRN
FRAG006	36.774	118.269	07	81480				4	1	1				6	QTRN
FRAG007	36.821	118.262	07	81480				4	1	1				6	QTRN
FRAG008	36.847	118.254	07	81480				4	1	1				2	QTRN
FRAG009	36.985	118.270	07	81680				4	1	1				2	QTRN
FRAG010	36.977	118.301	07	81680				4	1	1				2	QTRN
FRAG011	36.964	118.332	07	81680				4	1	1				2	QTRN
FRAG012	36.947	118.255	07	81680				4	1	1				2	QTRN
FRAG013	36.940	118.298	07	81680				4	1	1				2	QTRN
FRAG014	36.936	118.313	07	81680				4	1	1				2	QTRN
FRAG015	36.933	118.332	07	81680				4	1	1				2	QTRN
FRAG016	36.917	118.256	07	81680				4	1	1				6	QTRN
FRAG017	36.892	118.268	07	81680				4	1	1				2	QTRN
FRAG018	36.877	118.251	07	81680				4	1	1				2	QTRN
FRAG019	36.867	118.271	07	81680				4	1	1				2	QTRN
FRAH001	36.767	118.240	07	81480				4	1	1				2	QTRN
FRAH002	36.790	118.218	07	81480				4	1	1				2	QTRN
FRAH003	36.828	118.219	07	81480				4	1	1				6	QTRN
FRAH004	36.791	118.180	07	81580				4	1	1				2	QTRN
FRAH005	36.797	118.147	07	81580				4	1	1				2	QTRN
FRAH006	36.795	118.111	07	81580				4	1	1				2	QTRN
FRAH007	36.791	118.069	07	81580				4	1	1				2	QTRN
FRAH008	36.769	118.075	07	81580				4	1	1				2	QTRN
FRAH009	36.823	118.097	07	81580				4	1	1				2	QTRN
FRAH010	36.848	118.081	07	81580				4	1	1				2	QTRN
FRAH011	36.863	118.090	07	81580				4	1	1				2	QTRN
FRAH012	36.878	118.087	07	81580				4	1	1				6	TETR

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	FR	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-F	U-NT	AG	AL
FRAD034	10		56.00	04	1	1	4	4	2	NJ1110		2.30	<2	7.79
FRAD035	10		54.00	04	1	1	4	2	2	NJ1110		4.80	<2	5.91
FRAD036	10		70.00	04	1	1	1	2	2	NJ1110		6.30	<2	11.01
FRAD037	10		64.00	04	1	1	1	2	2	NJ1110		5.60	<2	10.75
FRAD038	10		34.00	04	1	1	1	4	2	NJ1110		1.30	<2	6.53
FRAE001	10		58.00	04	1	1	2	2	2	NJ1110		6.80	<2	7.64
FRAE002	10		80.00	04	1	1	2	2	2	NJ1110		8.20	<2	9.68
FRAE003	10		78.00	04	1	1	1	4	2	NJ1110		5.40	<2	9.60
FRAE004	10		40.00	04	1	1	2	2	2	NJ1110		6.50	<2	8.49
FRAE005	10		73.00	04	1	1	2	2	2	NJ1110		7.50	<2	8.80
FRAE006	10		65.00	04	1	1	3	2	2	NJ1110		8.00	<2	8.37
FRAE007	10		69.00	04	1	1	2	2	2	NJ1110		9.50	<2	8.24
FRAE008	10		72.00	04	1	1	1	2	2	NJ1110		8.30	<2	9.24
FRAE009	10		69.00	04	1	1	1	2	2	NJ1110		7.60	<2	7.23
FRAE010	10		62.00	04	1	1	2	2	2	NJ1110		6.60	<2	8.39
FRAE011	10		68.00	04	1	1	4	2	1	NJ1110		3.80	<2	7.35
FRAE012	10		79.00	04	1	1	4	2	1	NJ1110		5.60	<2	7.83
FRAE013	10		105.00	04	1	1	4	2	2	NJ1110		7.90	<2	6.24
FRAE014	10		185.00	04	1	1	4	2	1	NJ1110		12.70	<2	6.51
FRAE015	10		70.00	04	1	1	2	2	2	NJ1110		7.10	<2	7.39
FRAE016	10		62.00	04	1	1	1	2	2	NJ1110		5.50	<2	7.11
FRAE017	10		80.00	04	1	1	1	2	2	NJ1110		11.00	<2	8.91
FRAF001	10		110.00	04	1	1	4	2	2	NJ1110		11.10	<2	7.76
FRAF002	10		102.00	04	1	1	1	2	2	NJ1110		9.30	<2	7.91
FRAG001	10		54.00	01	1	1	2	2	2	NJ1110		6.20	2	6.51
FRAG002	10		50.00	01	1	1	2	2	2	NJ1110		4.80	<2	6.74
FRAG003	10		68.00	01	1	1	2	2	1	NJ1110		4.70	<2	5.96
FRAG004	10		75.00	01	1	1	2	2	1	NJ1110		7.40	<2	7.04
FRAG005	10		52.00	04	1	1	2	2	1	NJ1110		10.70	<2	6.60
FRAG006	10		44.00	01	1	1	2	2	1	NJ1110		5.10	<2	6.43
FRAG007	10		39.00	04	1	1	1	3	1	NJ1110		10.40	<2	6.71
FRAG008	10		43.00	04	1	1	2	3	1	NJ1110		14.00	<2	6.55
FRAG009	10		38.00	01	1	1	1	3	1	NJ1110		9.60	<2	8.41
FRAG010	10		35.00	01	1	1	2	3	1	NJ1110		5.90	<2	8.47
FRAG011	10		35.00	01	1	1	2	3	1	NJ1110		6.00	<2	8.53
FRAG012	10		27.00	01	1	1	1	3	1	NJ1110		12.50	<2	8.89
FRAG013	10		31.00	01	1	1	1	3	1	NJ1110		7.60	<2	9.04
FRAG014	10		25.00	01	1	1	1	3	1	NJ1110		14.00	<2	8.67
FRAG015	10		26.00	01	1	1	2	3	1	NJ1110		10.20	<2	8.48
FRAG016	10		30.00	01	1	1	1	3	1	NJ1110		7.70	<2	8.26
FRAG017	10		38.00	01	1	1	1	3	1	NJ1110		6.20	<2	8.95
FRAG018	10		34.00	01	1	1	2	3	1	NJ1110		6.10	<2	8.53
FRAG019	10		51.00	01	1	1	1	3	1	NJ1110		9.20	<2	8.13
FRAH001	10		40.00	01	1	1	1	3	1	NJ1110		6.90	<2	8.33
FRAH002	10		38.00	01	1	1	1	3	2	NJ1110		11.60	<2	7.28
FRAH003	10		40.00	01	1	1	1	3	1	NJ1110		14.80	<2	7.67
FRAH004	10		35.00	01	1	1	1	3	1	NJ1110		5.10	<2	8.35
FRAH005	10		31.00	01	1	1	1	3	1	NJ1110		6.40	<2	5.12
FRAH006	10		33.00	01	1	1	1	3	1	NJ1110		3.90	<2	6.46
FRAH007	10		36.00	01	1	1	1	3	1	NJ1110		4.60	<2	7.24
FRAH008	10		35.00	01	1	1	1	3	1	NJ1110		6.90	<2	7.55
FRAH009	10		26.00	01	1	1	1	3	1	NJ1110		4.40	<2	5.83
FRAH010	10		15.00	03	1	1	3	3	1	NJ1110		4.00	<2	6.16
FRAH011	10		23.00	03	1	1	2	3	1	NJ1110		5.50	<2	5.80
FRAH012	10		35.00	03	1	1	2	3	1	NJ1110		5.30	<2	6.96

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRA0034	28	899	2	2.42	35	23	122	75	5.20	<15	1.49	22	37	1.57	740
FRA0035	32	477	1	2.19	26	15	61	27	4.03	<15	1.20	14	29	1.06	627
FRA0036	30	349	2	0.47	33	4	8	4	2.44	<15	0.97	12	29	0.27	312
FRA0037	38	578	2	0.59	23	4	10	6	2.68	<15	1.79	11	41	0.43	523
FRA0038	29	250	1	2.75	19	16	59	22	3.88	<15	0.55	9	9	1.28	785
FRAE001	35	702	2	2.24	73	6	9	8	3.09	<15	1.57	37	29	0.82	557
FRAE002	36	916	3	0.90	98	8	23	17	3.30	<15	2.04	67	50	0.48	1227
FRAE003	29	1834	2	1.87	98	30	442	65	6.49	<15	1.35	54	27	1.26	855
FRAE004	35	684	2	1.97	55	7	8	14	2.00	<15	1.48	29	37	0.71	1383
FRAE005	33	516	2	2.41	71	9	8	12	3.25	<15	1.50	40	24	0.84	712
FRAE006	41	521	3	1.55	66	6	8	5	2.70	<15	1.49	33	53	0.40	810
FRAE007	44	584	3	1.02	53	6	11	8	2.82	<15	1.84	29	90	0.38	1031
FRAE008	39	561	2	1.37	44	11	14	6	3.05	<15	1.87	30	30	0.03	683
FRAE009	44	380	2	1.35	49	5	8	7	2.00	<15	1.63	28	41	0.40	774
FRAE010	36	550	2	3.06	53	12	18	9	4.58	<15	1.24	29	28	1.37	720
FRAE011	35	374	2	2.40	35	23	62	25	5.25	<15	1.35	10	28	1.16	828
FRAE012	39	1013	3	0.94	24	25	77	84	5.10	<15	1.83	10	93	1.22	530
FRAE013	35	521	1	1.56	30	8	10	12	2.91	<15	2.04	17	37	0.75	496
FRAE014	42	376	1	2.65	41	11	19	13	3.82	<15	1.34	20	27	0.84	508
FRAE015	40	543	2	1.55	38	11	16	13	3.66	<15	1.32	22	47	0.77	825
FRAE016	40	558	2	1.41	50	9	30	9	3.24	<15	1.49	27	21	0.73	974
FRAE017	36	582	3	0.32	17	4	6	3	2.17	<15	1.66	13	69	0.31	578
FRAF001	34	461	2	2.56	46	13	14	37	4.01	<15	1.23	29	38	1.11	762
FRAF002	40	533	2	2.10	54	11	10	21	3.39	<15	1.81	23	35	0.93	762
FRA0001	40	601	2	1.73	63	11	17	30	4.14	<15	1.80	30	21	0.99	1142
FRA0002	34	640	2	1.72	98	9	19	14	3.78	<15	1.78	50	15	0.85	999
FRA0003	37	476	2	1.49	58	7	18	25	3.26	<15	1.84	31	22	0.69	1280
FRA0004	31	332	2	2.10	46	12	26	26	4.29	<15	1.33	24	17	1.26	708
FRA0005	36	347	3	0.57	78	8	16	66	2.92	<15	2.03	40	14	0.58	869
FRA0006	39	560	2	1.76	45	8	20	18	3.51	<15	1.88	20	24	0.74	742
FRA0007	41	567	2	1.58	55	7	16	17	3.37	<15	1.91	31	25	0.80	882
FRA0008	34	428	2	2.58	103	12	12	31	3.83	<15	1.54	50	17	0.79	660
FRA0009	12	588	2	2.64	89	12	35	17	4.60	<15	1.48	40	24	1.29	823
FRA0010	<10	617	1	3.38	72	16	45	23	5.65	<15	1.31	37	23	1.51	821
FRA0011	<10	618	1	3.43	75	15	45	23	5.76	<15	1.31	30	23	1.51	823
FRA0012	11	769	1	2.63	77	10	18	22	3.69	<15	2.03	41	31	1.16	752
FRA0013	13	720	2	2.66	65	13	27	23	4.20	<15	1.45	36	28	1.33	907
FRA0014	12	736	1	2.65	81	10	13	18	4.10	<15	1.63	40	28	1.15	853
FRA0015	12	724	1	2.63	73	10	10	23	3.04	<15	1.87	40	32	1.04	909
FRA0016	16	718	2	2.47	107	10	32	18	3.83	<15	1.76	50	28	1.11	828
FRA0017	16	702	2	2.24	73	10	30	18	3.24	<15	1.70	40	36	1.22	1025
FRA0018	17	671	2	2.28	84	12	46	20	3.78	<15	1.50	40	37	1.41	1027
FRA0019	13	557	1	3.35	78	16	47	24	5.66	<15	1.41	41	24	1.57	693
FRAH001	13	710	2	1.59	129	8	9	12	4.03	<15	1.76	60	27	0.93	1262
FRAH002	<10	558	1	2.01	203	14	40	9	11.65	<15	1.44	100	16	0.91	1299
FRAH003	<10	627	2	2.25	124	12	37	17	7.74	<15	1.40	60	18	1.04	1034
FRAH004	14	755	2	1.52	134	5	9	10	2.60	<15	1.84	60	22	0.79	936
FRAH005	131	478	1	7.43	82	4	6	11	2.02	<15	1.15	42	31	2.12	973
FRAH006	82	581	2	4.45	67	5	23	9	2.57	<15	1.18	30	21	1.56	553
FRAH007	85	658	2	4.01	59	8	24	10	2.52	<15	1.52	30	32	1.62	667
FRAH008	24	632	2	4.07	80	12	31	25	4.21	<15	1.57	40	32	1.37	784
FRAH009	78	546	1	6.91	54	8	34	19	2.75	<15	1.07	20	36	2.53	553
FRAH010	74	514	2	6.40	57	8	27	19	2.44	<15	1.27	30	30	2.51	681
FRAH011	22	606	1	6.51	61	11	43	29	3.31	<15	1.05	30	24	2.26	578
FRAH012	32	680	2	4.52	66	12	39	45	3.72	<15	1.35	37	32	1.58	774

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PO	SC	SR	TH	TI	V	T	ZN	ZR
FRA0034	<4	1.10	54	110	2297	<10	12	229	<2	12685	148	13	121	10
FRA0035	<4	1.16	17	29	398	11	10	163	5	5789	131	13	76	23
FRA0036	<4	1.04	13	5	165	11	4	96	5	2566	50	3	54	49
FRA0037	<4	1.02	15	8	309	13	5	116	3	2970	51	3	62	47
FRA0038	<4	1.36	6	23	492	<10	12	230	11	6274	149	13	73	16
FRAE001	<4	2.15	15	5	836	21	9	262	11	3813	70	22	70	32
FRAE002	<4	1.37	15	16	662	26	9	149	14	3366	70	27	126	79
FRAE003	<4	1.28	19	186	2665	73	19	477	6	9851	269	19	114	208
FRAE004	<4	1.65	10	8	1541	15	7	288	8	3787	71	19	88	54
FRAE005	<4	1.94	10	4	785	17	12	234	18	3224	85	21	62	45
FRAE006	<4	2.22	12	6	749	20	8	156	19	2390	39	22	86	54
FRAE007	<4	1.74	14	9	727	19	6	117	16	2732	47	17	105	59
FRAE008	<4	1.12	13	6	319	25	12	161	8	4337	112	20	72	44
FRAE009	<4	1.83	11	5	811	20	5	156	21	2205	49	3	60	79
FRAE010	<4	1.42	18	6	939	<10	16	280	9	6893	175	21	74	27
FRAE011	<4	0.65	20	34	772	10	12	246	6	7234	150	12	77	11
FRAE012	<4	0.76	14	71	577	16	11	143	<2	4436	134	5	111	45
FRAE013	<4	1.32	10	3	619	20	7	180	6	3487	88	13	71	37
FRAE014	<4	1.45	12	7	860	<10	7	269	6	6330	166	12	57	16
FRAE015	<4	1.22	13	7	1159	29	9	164	4	4643	106	13	96	44
FRAE016	<4	1.72	15	13	728	<10	10	138	13	3528	81	23	92	42
FRAE017	<4	0.84	14	5	219	23	3	67	3	2174	29	3	79	85
FRAF001	<4	1.82	10	10	958	14	8	401	11	5200	146	13	86	31
FRAF002	<4	2.09	14	11	111	15	7	333	16	4610	108	11	88	41
FRA0001	<4	1.45	14	11	2098	32	9	219	9	4920	129	13	101	17
FRA0002	<4	2.21	20	12	1035	24	8	247	10	4687	102	22	71	20
FRA0003	<4	2.01	15	10	1255	13	7	211	6	3250	91	14	61	23
FRA0004	<4	2.25	15	14	1209	<10	10	278	<2	4926	147	13	62	16
FRA0005	<4	2.21	13	8	475	52	7	146	6	2781	71	22	70	38
FRA0006	<4	2.25	13	5	1034	25	7	253	3	3865	101	13	60	21
FRA0007	<4	1.87	15	7	1030	35	8	281	9	3440	97	17	88	23
FRA0008	<4	1.37	13	12	1686	15	10	250	31	4743	104	13	70	30
FRA0009	<4	1.83	24	17	1283	14	10	346	24	4637	113	24	50	47
FRA0010	<4	1.82	17	18	1300	<10	11	407	16	4739	147	13	96	29
FRA0011	<4	1.85	15	20	1261	11	12	417	13	4801	154	13	96	25
FRA0012	<4	2.25	15	15	1470	44	9	376	12	4525	94	17	105	27
FRA0013	<4	1.73	13	25	1789	13	10	361	10	4511	96	13	137	26
FRA0014	<4	1.84	15	11	1840	11	9	349	20	4680	98	17	113	20
FRA0015	<4	1.93	15	13	1870	17	9	330	14	4495	92	17	127	22
FRA0016	<4	2.01	19	24	1521	22	8	370	17	4222	86	13	108	31
FRA0017	<4	2.21	14	25	1322	18	8	323	11	3589	69	21	110	31
FRA0018	<4	1.96	17	41	1356	18	9	315	13	3548	80	20	108	38
FRA0019	<4	1.62	17	23	1594	<10	14	367	28	5981	165	23	96	30
FRAH001	<4	2.17	23	8	1568	20	10	250	18	5306	82	34	135	31
FRAH002	<4	1.95	35	19	1245	27	10	231	37	6877	241	32	63	45
FRAH003	<4	1.87	23	18	1223	159	11	269	73	5192	161	32	102	47
FRAH004	<4	2.36	20	8	1901	12	8	254	16	3962	55	29	85	28
FRAH005	<4	1.46	15	3	1954	13	5	683	14	2746	43	19	73	19
FRAH006	<4	1.48	15	13	385	20	6	303	22	2527	68	19	48	40
FRAH007	<4	1.42	12	16	1304	23	7	315	10	2598	64	13	55	41
FRAH008	<4	1.57	19	20	1439	19	9	369	17	3395	113	14	102	36
FRAH009	<4	1.37	14	25	1814	26	7	268	11	2643	80	13	63	42
FRAH010	<4	1.20	13	16	1119	22	6	264	14	2426	63	13	66	46
FRAH011	<4	0.89	14	25	1084	36	8	300	28	2860	99	17	96	47
FRAH012	<4	1.28	14	28	1356	22	9	383	25	3035	94	17	107	50

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	NTEN	COND	ALK	SIZE	WIDE	S-OP	ODOR	CUN1	CUN2	CUN3	FORM
FRAH013	36.895	118.079	07	81580				4	1	1				2	UNKN
FRAH014	36.907	118.070	07	81580				4	1	1				2	UNKN
FRAH015	36.919	118.105	07	81580				4	1	1				2	QTRN
FRAH016	36.944	118.082	07	81580				4	1	1				2	UNKN
FRAH017	36.554	118.051	07	81580				4	1	1				2	UNKN
FRAH018	36.971	118.080	07	81580				4	1	1				2	UNKN
FRAH019	36.981	118.105	07	81580				4	1	1				2	QTRN
FRAH020	36.993	118.125	07	81580				4	1	1				2	QTRN
FRAH021	36.826	118.075	07	81580				4	1	1				2	QTRN
FRAH022	36.771	118.177	07	81580				4	1	1				6	QTRN
FRAH023	36.833	118.130	07	81680				4	1	1				2	QTRN
FRAH024	36.861	118.141	07	81680				4	1	1				2	QTRN
FRAH025	36.889	118.153	07	81680				4	1	1				2	QTRN
FRAH026	36.908	118.162	07	81680				4	1	1				2	QTRN
FRAH027	36.927	118.173	07	81680				4	1	1				2	QTRN
FRAH028	36.945	118.158	07	81680				4	1	1				2	QTRN
FRAH029	36.954	118.189	07	81680				4	1	1				2	QTRN
FRAH030	36.975	118.197	07	81680				4	1	1				2	QTRN
FRAH031	36.976	118.228	07	81680				4	1	1				2	QTRN
FRAH032	36.859	118.229	07	81680				4	1	1				6	QTRN
FRAH033	36.823	118.191	07	81680				4	1	1				2	QTRN
FRAH034	36.754	118.162	07	81680				4	1	1				6	QTRN
FRAH035	36.862	118.169	07	81780				4	1	1				2	QTRN
FRAH036	36.891	118.179	07	81780				4	1	1				2	QTRN
FRAH037	36.889	118.235	07	81780				4	1	1				6	QTRN
FRAH038	36.916	118.236	07	81780				4	1	1				6	QTRN
FRAH039	36.958	118.234	07	81780				4	1	1				6	QTRN
FRAH040	36.767	118.056	07	81780				4	1	1				2	QTRN
FRBA001	36.736	119.771	07	81280				3	1	1	2		1	6	QTRN
FRBA002	36.736	119.816	07	81280				3	1	1				6	QTRN
FRBA003	36.735	119.853	07	81280				3	1	1				7	QTRN
FRBA004	36.701	119.854	07	81280				3	1	1				7	QTRN
FRBA005	36.703	119.809	07	81280				3	1	1				7	QTRN
FRBA006	36.699	119.772	07	81280				3	1	1				6	QTRN
FRBA007	36.670	119.771	07	81280				3	1	1				7	QTRN
FRBA008	36.641	119.772	07	81280				3	1	1				7	QTRN
FRBA009	36.641	119.813	07	81280				3	1	1				7	QTRN
FRBA010	36.670	119.817	07	81280				3	1	1				8	QTRN
FRBA011	36.672	119.853	07	81280				3	1	1				7	QTRN
FRBA012	36.642	119.855	07	81280				3	1	1				7	QTRN
FRBA013	36.641	119.898	07	81280				3	1	1				7	QTRN
FRBA014	36.639	119.945	07	81280				3	1	1				7	QTRN
FRBA015	36.642	119.988	07	81280				3	1	1				7	QTRN
FRBA016	36.673	119.969	07	81280				3	1	1				7	QTRN
FRBA017	36.677	119.934	07	81280				3	1	1				7	QTRN
FRBA018	36.670	119.897	07	81280				3	1	1				7	QTRN
FRBA019	36.735	119.896	07	81380				3	1	1				7	QTRN
FRBA020	36.735	119.929	07	81380				3	1	1				7	QTRN
FRBA021	36.735	119.980	07	81380				3	1	1				7	QTRN
FRBA022	36.705	119.979	07	81380				3	1	1				7	QTRN
FRBA023	36.707	119.934	07	81380				3	1	1				7	QTRN
FRBA024	36.706	119.900	07	81380				3	1	1		7	6	1	QTRN
FRBA025	36.607	119.771	07	81380				3	1	1				8	QTRN
FRBA026	36.605	119.812	07	81380				3	1	1				7	QTRN
FRBA027	36.608	119.853	07	81380				3	1	1				7	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	IVEG	DVEG	MAF	U-F	U-NT	AG	AL
FRAH013	10		30.00	03	1	1	1	3	1	NJ1110		3.50	<2	5.03
FRAH014	10		18.00	03	1	1	2	3	1	NJ1110		3.40	<2	5.39
FRAH015	10		42.00	01	1	1	1	3	1	NJ1110		5.00	<2	8.32
FRAH016	10		28.00	05	1	1	2	3	1	NJ1110		3.80	<2	4.44
FRAH017	10		35.00	05	1	1	J	2	1	NJ1110		3.80	<2	5.44
FRAH018	10		15.00	05	1	1	2	3	3	NJ1110		3.20	<2	5.20
FRAH019	10		3.00	01	1	1	1	3	2	NJ1110		5.00	<2	7.95
FRAH020	10		47.00	01	1	1	2	2	2	NJ1110		6.70	<2	8.91
FRAH021	10		34.00	01	1	1	1	3	1	NJ1110		7.10	<2	7.75
FRAH022	10		37.00	01	1	1	1	3	1	NJ1110		8.10	<2	8.44
FRAH023	10		42.00	01	1	1	1	3	1	NJ1110		6.40	<2	7.91
FRAH024	10		32.00	01	1	1	1	3	1	NJ1110		5.20	<2	7.24
FRAH025	10		21.00	01	1	1	1	3	1	NJ1110		9.10	<2	7.79
FRAH026	10		42.00	01	1	1	1	3	1	NJ1110		5.30	<2	7.29
FRAH027	10		29.00	01	1	1	1	3	1	NJ1110		7.00	<2	8.07
FRAH028	10		56.00	01	1	1	1	3	1	NJ1110		8.50	<2	8.12
FRAH029	10		38.00	01	1	1	1	3	1	NJ1110		6.00	<2	7.90
FRAH030	10		35.00	01	1	1	1	3	1	NJ1110		3.60	<2	7.14
FRAH031	10		15.00	01	1	1	1	3	1	NJ1110		4.40	<2	3.45
FRAH032	10		35.00	01	1	1	1	3	1	NJ1110		13.70	<2	7.88
FRAH033	10		32.00	01	1	1	1	3	1	NJ1110		5.90	<2	8.37
FRAH034	10		23.00	01	1	1	1	3	1	NJ1110		6.30	<2	2.37
FRAH035	10		21.00	01	1	1	1	3	1	NJ1110		10.40	<2	3.40
FRAH036	10		31.00	01	1	1	1	3	2	NJ1110		4.90	<2	3.90
FRAH037	10		31.00	01	1	1	1	3	1	NJ1110		7.80	<2	8.11
FRAH038	10		30.00	01	1	1	1	3	1	NJ1110		16.00	<2	8.59
FRAH039	10		31.00	01	1	1	1	3	1	NJ1110		8.30	<2	8.52
FRAH040	10		42.00	01	1	1	1	3	1	NJ1110		5.10	<2	7.90
FRBA001	10		55.00	10	1	1	1	4	2	NJ1110		7.70	<2	10.06
FRBA002	10		50.00	10	1	1	1	4	2	NJ1110		2.80	<2	8.92
FRBA003	10		41.00	10	1	1	1	4	2	NJ1110		3.10	<2	8.72
FRBA004	10		53.00	10	1	1	1	4	1	NJ1110		4.50	<2	8.48
FRBA005	10		50.00	10	1	1	1	4	2	NJ1110		4.10	<2	8.74
FRBA006	10		60.00	07	1	1	1	4	2	NJ1110		5.00	<2	8.35
FRBA007	10		68.00	10	1	1	1	4	2	NJ1110		4.40	<2	8.01
FRBA008	10		66.00	10	1	1	1	2	1	NJ1110		6.10	<2	8.18
FRBA009	10		66.00	10	1	1	1	1	1	NJ1110		6.30	<2	8.31
FRBA010	10		61.00	10	1	1	1	4	2	NJ1110		7.10	<2	7.80
FRBA011	10		60.00	10	1	1	1	4	1	NJ1110		4.50	<2	8.28
FRBA012	10		54.00	10	1	1	1	4	2	NJ1110		4.90	<2	8.37
FRBA013	10		61.00	10	1	1	1	4	2	NJ1110		5.60	<2	8.09
FRBA014	10		57.00	10	1	1	1	4	2	NJ1110		5.60	<2	8.04
FRBA015	10		50.00	10	1	1	1	1	2	NJ1110		4.40	<2	8.03
FRBA016	10		52.00	10	1	1	1	1	2	NJ1110		4.90	<2	8.28
FRBA017	10		52.00	10	1	1	1	4	2	NJ1110		3.70	<2	6.85
FRBA018	10		68.00	10	1	1	1	2	1	NJ1110		4.50	<2	7.20
FRBA019	10		42.00	10	1	1	1	4	2	NJ1110		3.40	<2	8.14
FRBA020	10		66.00	10	1	1	1	4	2	NJ1110		7.00	<2	7.23
FRBA021	10		72.00	10	1	1	1	4	1	NJ1110		6.00	<2	6.94
FRBA022	10		62.00	10	1	1	1	4	2	NJ1110		5.90	<2	7.29
FRBA023	10		46.00	10	1	1	1	4	1	NJ1110		4.40	<2	8.19
FRBA024	10		29.00	10	1	1	1	4	1	NJ1110		3.00	<2	7.44
FRBA025	10		58.00	10	1	1	1	4	1	NJ1110		5.50	<2	7.17
FRBA026	10		56.00	10	1	1	1	4	1	NJ1110		7.00	<2	6.97
FRBA027	10		63.00	10	1	1	1	1	1	NJ1110		5.50	<2	7.02

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	D	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRAH013	27	605	1	8.85	42	8	42	23	2.40	<15	1.08	23	33	2.73	488
FRAH014	82	511	1	7.07	54	7	25	17	2.39	<15	1.26	23	30	2.85	783
FRAH015	83	591	2	1.81	68	12	36	28	4.19	<15	1.50	33	29	1.21	634
FRAH016	23	1264	1	8.64	41	5	37	17	1.69	<15	1.31	22	22	3.75	343
FRAH017	83	897	1	4.55	50	7	33	25	2.34	<15	1.27	33	26	2.86	518
FRAH018	74	377	1	7.57	48	6	23	17	2.37	<15	0.98	23	26	3.89	894
FRAH019	83	630	2	1.60	75	11	34	24	3.03	<15	1.63	37	31	0.91	757
FRAH020	20	706	2	1.66	78	14	43	26	4.24	<15	1.72	42	34	1.00	762
FRAH021	22	547	2	2.81	96	9	21	18	3.65	<15	1.46	42	31	1.31	861
FRAH022	68	737	2	2.05	181	6	7	15	3.49	<15	1.85	94	22	0.85	1143
FRAH023	84	704	2	2.25	66	5	18	8	2.25	<15	2.00	33	32	0.73	526
FRAH024	81	751	2	2.30	63	6	20	9	2.07	<15	1.45	33	33	0.88	519
FRAH025	88	661	2	2.58	81	9	22	24	3.48	<15	1.55	44	26	1.05	705
FRAH026	83	656	2	2.79	54	4	15	7	1.82	<15	1.51	33	33	0.81	487
FRAH027	133	623	2	3.10	92	10	30	22	3.30	<15	1.60	42	33	1.25	641
FRAH028	77	591	2	2.70	88	13	36	36	4.09	<15	1.70	47	43	1.57	828
FRAH029	79	658	2	2.87	71	9	26	20	3.09	<15	1.67	33	37	1.44	743
FRAH030	443	893	2	2.62	57	9	24	25	2.64	<15	1.58	23	133	3.40	539
FRAH031	124	371	1	7.14	24	7	34	19	1.65	<15	0.90	13	25	4.43	450
FRAH032	59	560	2	2.41	113	12	35	21	5.12	<15	1.38	53	19	1.23	942
FRAH033	66	702	1	2.47	95	7	15	10	2.61	<15	1.84	43	16	0.93	709
FRAH034	109	248	1	13.26	13	44	3	11	0.63	<15	0.61	7	27	2.65	347
FRAH035	415	327	1	11.49	29	44	6	12	1.07	<15	0.94	13	46	2.61	528
FRAH036	154	380	1	12.58	41	44	10	15	1.30	<15	0.99	21	37	2.37	415
FRAH037	68	608	1	3.38	92	18	46	34	5.71	<15	1.48	46	28	1.71	946
FRAH038	67	707	2	2.47	91	10	29	17	3.55	<15	1.74	42	32	1.16	787
FRAH039	65	735	2	2.01	136	7	8	15	3.72	<15	1.87	71	28	0.99	1198
FRAH040	80	718	2	2.25	63	6	20	10	2.22	<15	1.87	36	28	0.85	590
FRBA001	69	631	2	2.55	40	9	27	15	3.65	<15	1.43	22	32	1.10	711
FRBA002	69	424	1	3.05	33	14	87	15	4.72	<15	1.00	13	14	1.46	897
FRBA003	68	407	1	3.13	29	14	85	19	4.22	<15	0.92	13	14	1.54	887
FRBA004	71	643	1	2.36	53	7	36	13	3.00	<15	1.65	23	16	0.86	573
FRBA005	71	580	1	2.19	42	13	119	16	3.69	<15	1.51	22	19	1.29	704
FRBA006	66	706	1	2.38	58	6	22	9	3.41	<15	1.61	34	18	0.87	572
FRBA007	69	718	2	2.05	55	5	16	10	2.58	<15	1.82	31	16	0.67	519
FRBA008	64	664	1	2.03	69	7	20	11	3.57	<15	1.63	33	17	0.66	570
FRBA009	62	676	1	2.07	75	6	18	10	3.89	<15	1.74	37	14	0.58	553
FRBA010	66	642	1	2.13	79	7	24	11	4.25	<15	1.51	46	12	0.60	531
FRBA011	68	682	2	2.06	74	7	20	9	3.24	<15	1.71	33	16	0.70	545
FRBA012	69	694	1	2.08	67	6	16	9	2.86	<15	1.71	33	13	0.60	484
FRBA013	71	699	2	2.40	66	7	20	8	2.86	<15	1.67	34	15	0.75	506
FRBA014	74	693	1	2.53	61	5	23	8	3.26	<15	1.73	34	15	0.86	528
FRBA015	77	521	1	2.96	41	13	88	16	3.68	<15	1.33	19	25	1.71	691
FRBA016	72	617	1	2.65	50	9	44	12	3.15	<15	1.42	23	18	1.05	564
FRBA017	18	525	1	2.61	45	12	114	41	3.34	<15	1.36	22	15	1.40	591
FRBA018	19	682	2	2.48	47	5	23	10	2.38	<15	1.93	26	19	0.91	473
FRBA019	14	427	1	2.87	30	20	125	25	4.84	<15	0.98	13	26	2.02	826
FRBA020	14	678	2	1.51	53	5	22	12	2.80	<15	1.82	23	16	0.55	449
FRBA021	14	663	2	2.05	53	6	22	9	2.83	<15	1.65	23	14	0.54	452
FRBA022	14	651	2	2.13	51	6	27	9	2.89	<15	1.81	27	15	0.64	485
FRBA023	10	508	1	2.31	40	19	115	29	4.53	<15	1.33	19	32	1.74	760
FRBA024	<10	365	1	3.09	23	12	72	18	4.00	<15	0.97	12	15	1.41	772
FRBA025	13	666	2	2.16	62	5	16	10	3.07	<15	1.94	33	14	0.59	505
FRBA026	11	665	2	2.12	62	5	18	15	3.17	<15	1.75	34	15	0.56	503
FRBA027	14	668	2	2.06	60	5	15	8	2.85	<15	1.68	31	12	0.54	462

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PB	SC	SP	TH	TI	V	Y	ZN	ZR
FRAH013	<4	3.64	1	32	936	16	7	262	5	2244	88	13	103	41
FRAH014	<4	1.11	12	16	1630	13	6	260	11	2430	62	14	75	41
FRAH015	<4	1.32	14	22	712	13	9	285	18	3508	94	17	63	50
FRAH016	<4	3.59	1	30	877	15	5	157	<2	1944	165	15	153	44
FRAH017	<4	3.67	11	30	1126	21	6	192	4	2240	145	15	138	44
FRAH018	<4	3.92	12	16	1201	15	6	199	5	2086	51	12	63	36
FRAH019	<4	1.48	15	25	855	21	8	263	10	3276	80	19	63	49
FRAH020	<4	1.63	16	39	656	10	10	270	17	4139	106	20	60	55
FRAH021	<4	1.77	18	16	1693	27	8	323	30	3408	84	15	50	49
FRAH022	<4	2.40	27	7	1726	75	9	245	24	5219	67	35	116	30
FRAH023	<4	2.30	17	7	676	18	6	314	11	2580	57	15	44	46
FRAH024	<4	1.72	14	8	711	<10	7	305	13	2514	59	17	45	41
FRAH025	<4	1.54	15	10	974	14	8	332	20	3294	89	21	48	44
FRAH026	<4	1.84	11	5	727	13	6	357	13	2181	45	16	34	33
FRAH027	<4	2.14	16	19	1362	13	9	426	17	3526	89	21	54	51
FRAH028	<4	1.69	15	20	1592	17	11	368	38	3755	99	25	77	49
FRAH029	<4	1.82	13	14	1448	16	9	369	13	3014	76	15	56	41
FRAH030	5	1.76	10	12	830	13	7	472	15	2623	72	15	74	39
FRAH031	<4	0.95	7	24	1354	<10	5	817	4	2023	52	5	34	34
FRAH032	<4	1.53	20	31	1383	122	12	287	55	5101	114	29	89	39
FRAH033	<4	2.43	15	6	858	23	8	328	11	3562	66	22	56	22
FRAH034	<4	0.67	8	2	1422	<10	2	809	<2	773	16	5	41	5
FRAH035	4	2.13	18	6	1539	<10	3	970	12	1189	44	9	54	17
FRAH036	<4	1.19	13	7	1207	<10	3	872	10	1487	32	11	44	20
FRAH037	<4	1.61	18	24	1884	71	14	365	27	6250	157	15	112	27
FRAH038	<4	1.90	17	20	1516	17	8	370	17	4372	86	15	101	34
FRAH039	<4	2.27	20	7	1636	15	9	255	27	4921	73	29	114	24
FRAH040	<4	2.20	13	11	835	11	6	327	15	2528	58	17	49	46
FRBA001	<4	1.95	12	13	666	33	11	306	9	3923	94	17	50	33
FRBA002	<4	1.89	9	41	442	70	15	271	7	5810	133	15	107	24
FRBA003	<4	1.87	7	46	442	63	15	269	5	4684	115	17	92	23
FRBA004	<4	2.11	11	21	895	35	8	329	6	3356	76	15	58	24
FRBA005	<4	1.93	9	82	324	10	11	276	9	3990	96	17	70	25
FRBA006	<4	2.04	12	11	874	13	7	345	22	3468	85	15	52	30
FRBA007	<4	2.22	11	9	661	31	6	351	11	2927	63	15	57	22
FRBA008	<4	2.00	13	10	497	12	7	324	22	3335	85	17	72	25
FRBA009	<4	2.24	15	9	572	22	7	338	25	3402	91	19	60	28
FRBA010	<4	1.93	17	11	870	40	7	332	14	3452	103	20	65	28
FRBA011	<4	2.10	15	13	564	16	7	335	12	3171	81	25	65	28
FRBA012	<4	2.13	14	8	572	<10	6	350	14	2982	71	15	46	25
FRBA013	<4	2.05	11	10	647	12	7	359	16	2982	76	15	49	23
FRBA014	<4	2.13	15	12	752	<10	7	372	13	3134	81	15	49	24
FRBA015	<4	1.80	3	77	742	<10	10	334	9	3454	96	14	73	22
FRBA016	<4	1.50	9	35	697	19	9	325	16	3318	83	15	67	25
FRBA017	<4	1.76	12	100	443	<10	10	299	7	3442	106	15	63	24
FRBA018	<4	2.08	11	13	651	<10	6	351	12	2843	80	15	49	23
FRBA019	<4	1.38	8	122	512	20	15	243	8	5037	151	14	66	22
FRBA020	<4	2.01	13	15	478	49	6	328	8	2972	82	15	54	30
FRBA021	<4	1.88	13	11	653	16	6	333	6	2876	80	15	45	29
FRBA022	<4	2.21	12	13	471	17	7	335	14	3302	88	15	55	26
FRBA023	<4	1.47	9	130	525	13	13	239	11	4406	133	14	62	22
FRBA024	<4	1.80	8	36	523	14	14	263	<2	5065	141	17	109	19
FRBA025	<4	2.14	14	8	838	28	6	346	14	3004	93	15	59	25
FRBA026	<4	1.98	14	10	581	70	6	345	11	2953	93	15	66	23
FRBA027	<4	1.96	14	8	555	26	6	341	14	2962	86	15	47	23

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WICE	S-SP	ODOR	CUN1	CUN2	CUN3	FORM
FRBA028	36.584	115.851	07	81380				3	1	1				7	QTRN
FRBA029	36.547	115.855	07	81380				3	1	1				7	QTRN
FRBA030	36.547	119.813	07	81380				3	1	1				7	QTRN
FRBA031	36.577	119.815	07	81380				3	1	1				7	QTRN
FRBA032	36.576	115.772	07	81380				3	1	1				7	QTRN
FRBA033	36.548	119.772	07	81380				3	1	1			7	8	QTRN
FRBA034	36.515	115.773	07	81480				4	1	1				7	QTRN
FRBA035	36.518	119.813	07	81480				3	1	1				7	QTRN
FRBA036	36.519	119.856	07	81480				3	1	1				7	QTRN
FRBA037	36.515	115.899	07	81480				3	1	1				7	QTRN
FRBA038	36.547	119.855	07	81480				3	1	1				7	QTRN
FRBA039	36.547	119.935	07	81480				3	1	1				7	QTRN
FRBA040	36.507	119.943	07	81480				3	1	1				7	QTRN
FRBA041	36.514	115.577	07	81480				3	1	1				7	QTRN
FRBA042	36.546	115.980	07	81480				3	1	1				7	QTRN
FRBA043	36.578	115.579	07	81480				3	1	1				7	QTRN
FRBA044	36.576	115.937	07	81480				3	1	1				7	QTRN
FRBA045	36.575	119.854	07	81480				3	1	1				7	QTRN
FRBA046	36.611	119.858	07	81480				3	1	1				7	QTRN
FRBA047	36.610	119.934	07	81480				3	1	1				7	QTRN
FRBA048	36.610	119.980	07	81480				3	1	1				7	QTRN
FRBB001	36.606	119.728	07	81480				4	1	1				7	QTRN
FRBB002	36.606	115.687	07	81480				3	1	1				7	QTRN
FRBB003	36.577	119.686	07	81480				3	1	1				7	QTRN
FRBB004	36.578	119.726	07	81480				3	1	1				7	QTRN
FRBB005	36.547	119.726	07	81480				3	1	1				7	QTRN
FRBB006	36.547	119.689	07	81480				3	1	1				7	QTRN
FRBB007	36.547	119.646	07	81480				3	1	1				7	QTRN
FRBB008	36.737	119.727	07	81580				3	1	1				7	QTRN
FRBB009	36.734	115.692	07	81580				3	1	1				7	QTRN
FRBB010	36.735	119.645	07	81580				3	1	1				7	QTRN
FRBB011	36.703	119.643	07	81580				3	1	1				7	QTRN
FRBB012	36.704	119.690	07	81580				3	1	1				7	QTRN
FRBB013	36.702	119.727	07	81580				3	1	1				7	QTRN
FRBB014	36.673	119.727	07	81580				3	1	1				7	QTRN
FRBB015	36.671	119.690	07	81580				3	1	1				7	QTRN
FRBB016	36.670	119.645	07	81580				3	1	1				7	QTRN
FRBB017	36.642	119.645	07	81580				3	1	1				7	QTRN
FRBB018	36.643	115.686	07	81580				3	1	1				7	QTRN
FRBB019	36.642	119.726	07	81580				3	1	1				7	QTRN
FRBB020	36.641	119.608	07	81580				3	1	1				7	QTRN
FRBB021	36.641	119.565	07	81580				3	1	1				7	QTRN
FRBB022	36.642	115.524	07	81580				3	1	1				7	QTRN
FRBB023	36.669	119.561	07	81580				3	1	1				7	QTRN
FRBB024	36.670	119.520	07	81580				3	1	1				7	QTRN
FRBB025	36.672	119.603	07	81580				3	1	1				7	QTRN
FRBB026	36.576	119.600	07	81780				3	1	1				7	QTRN
FRBB027	36.576	119.558	07	81780				3	1	1				7	QTRN
FRBB028	36.578	119.521	07	81780				3	1	1				7	QTRN
FRBB029	36.547	119.520	07	81780				3	1	1				7	QTRN
FRBB030	36.547	119.560	07	81780				3	1	1				7	QTRN
FRBB031	36.547	115.604	07	81780				3	1	1				7	QTRN
FRBB032	36.517	119.606	07	81780				3	1	1				7	QTRN
FRBB033	36.518	119.565	07	81780				3	1	1				7	QTRN
FRBB034	36.517	115.520	07	81780				3	1	1				7	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	1VEG	OVEG	MAP	U-F	U-NT	AG	AL
FRBA028	10		64.00	10	1	1	1	1	1	NJ1110		6.30	<2	6.85
FRBA029	10		62.00	10	1	1	1	2	1	NJ1110		8.00	<2	7.06
FRBA030	10		62.00	10	1	1	1	1	1	NJ1110		5.60	<2	7.33
FRBA031	10		60.00	10	1	1	1	1	1	NJ1110		5.90	<2	7.17
FRBA032	10		68.00	10	1	1	1	4	2	NJ1110		5.00	<2	7.18
FRBA033	10		65.00	10	1	1	1	4	1	NJ1110		6.60	<2	7.12
FRBA034	10		67.00	10	1	1	1	4	3	NJ1110		6.30	<2	6.99
FRBA035	10		70.00	10	1	1	1	1	1	NJ1110		9.00	<2	7.45
FRBA036	10		68.00	10	1	1	1	1	1	NJ1110		7.30	<2	7.01
FRBA037	10		64.00	10	1	1	1	1	1	NJ1110		4.70	<2	7.09
FRBA038	10		68.00	10	1	1	1	1	1	NJ1110		7.00	<2	6.89
FRBA039	10		63.00	10	1	1	1	4	1	NJ1110		4.40	<2	6.99
FRBA040	10		69.00	10	1	1	1	4	1	NJ1110		4.30	<2	7.16
FRBA041	10		64.00	10	1	1	1	4	2	NJ1110		6.90	<2	7.08
FRBA042	10		71.00	10	1	1	1	4	2	NJ1110		7.90	<2	7.02
FRBA043	10		63.00	10	1	1	1	4	2	NJ1110		5.20	<2	7.11
FRBA044	10		61.00	10	1	1	1	4	2	NJ1110		4.70	<2	7.00
FRBA045	10		71.00	10	1	1	1	1	1	NJ1110		9.30	<2	7.07
FRBA046	10		63.00	10	1	1	1	4	2	NJ1110		5.80	<2	6.81
FRBA047	10		66.00	10	1	1	1	1	1	NJ1110		5.30	<2	7.00
FRBA048	10		68.00	10	1	1	1	4	1	NJ1110		5.80	<2	6.87
FRBB001	10		65.00	10	1	1	1	2	1	NJ1110		6.40	<2	6.97
FRBB002	10		67.00	10	1	1	1	1	1	NJ1110		10.40	<2	7.90
FRBB003	10		57.00	10	1	1	1	1	1	NJ1110		6.80	<2	7.16
FRBB004	10		72.00	10	1	1	1	1	1	NJ1110		6.70	<2	7.09
FRBB005	10		61.00	10	1	1	1	1	1	NJ1110		8.90	<2	7.26
FRBB006	10		62.00	10	1	1	1	1	2	NJ1110		7.10	<2	7.07
FRBB007	10		66.00	10	1	1	1	1	1	NJ1110		5.30	<2	7.14
FRBB008	10		31.00	10	1	1	1	2	2	NJ1110		3.10	<2	7.37
FRBB009	10		39.00	10	1	1	1	4	2	NJ1110		4.60	<2	7.52
FRBB010	10		51.00	10	1	1	1	1	2	NJ1110		4.10	<2	7.38
FRBB011	10		58.00	10	1	1	1	1	2	NJ1110		4.70	<2	6.76
FRBB012	10		53.00	10	1	1	1	1	2	NJ1110		4.30	<2	7.46
FRBB013	10		63.00	10	1	1	1	4	3	NJ1110		5.60	<2	7.09
FRBB014	10		72.00	10	1	1	1	4	2	NJ1110		5.20	<2	6.95
FRBB015	10		63.00	10	1	1	1	1	1	NJ1110		5.80	<2	7.41
FRBB016	10		68.00	10	1	1	1	4	2	NJ1110		7.30	<2	7.17
FRBB017	10		65.00	10	1	1	1	1	2	NJ1110		5.30	<2	7.42
FRBB018	10		67.00	10	1	1	1	4	1	NJ1110		4.60	<2	7.41
FRBB019	10		68.00	10	1	1	1	1	2	NJ1110		7.60	<2	7.00
FRBB020	10		68.00	10	1	1	1	1	2	NJ1110		6.10	<2	7.12
FRBB021	10		70.00	10	1	1	1	1	2	NJ1110		5.80	<2	7.37
FRBB022	10		72.00	10	1	1	1	4	1	NJ1110		4.60	<2	7.37
FRBB023	10		64.00	10	1	1	1	1	2	NJ1110		7.20	<2	7.31
FRBB024	10		66.00	10	1	1	1	1	2	NJ1110		4.90	<2	6.00
FRBB025	10		64.00	10	1	1	1	1	2	NJ1110		7.10	<2	7.42
FRBB026	10		77.00	10	1	1	1	1	2	NJ1110		7.00	<2	7.23
FRBB027	10		75.00	10	1	1	1	2	1	NJ1110		7.00	<2	7.09
FRBB028	10		68.00	10	1	1	1	2	1	NJ1110		5.20	<2	7.23
FRBB029	10		64.00	10	1	1	1	1	2	NJ1110		5.60	<2	7.27
FRBB030	10		55.00	10	1	1	1	1	2	NJ1110		8.00	<2	7.16
FRBB031	10		68.00	10	1	1	1	1	2	NJ1110		6.10	<2	7.10
FRBB032	10		66.00	10	1	1	1	4	1	NJ1110		6.80	<2	7.15
FRBB033	10		57.00	10	1	1	1	4	2	NJ1110		6.80	<2	7.37
FRBB034	10		50.00	10	1	1	1	1	2	NJ1110		5.90	<2	7.55

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRBA028	16	638	2	2.15	74	5	17	7	3.47	<15	1.65	39	10	0.54	491
FRBA029	12	659	2	2.03	58	5	18	9	2.91	<15	1.77	32	12	0.50	446
FRBA030	14	690	2	2.07	58	6	18	10	2.94	<15	1.94	31	17	0.63	487
FRBA031	13	666	2	2.12	60	6	17	13	2.87	<15	1.79	35	15	0.60	483
FRBA032	13	681	2	2.15	65	6	17	9	2.57	<15	1.75	35	16	0.64	469
FRBA033	13	672	2	2.04	58	4	16	7	2.69	<15	1.79	31	12	0.48	416
FRBA034	<10	674	2	2.07	69	5	20	8	2.83	<15	1.63	34	12	0.56	457
FRBA035	15	697	2	2.01	56	6	21	12	2.95	<15	2.03	33	21	0.63	517
FRBA036	11	667	2	2.18	64	6	19	19	2.82	<15	1.75	34	16	0.65	494
FRBA037	17	687	2	2.22	58	5	18	8	2.33	<15	1.83	39	13	0.58	424
FRBA038	<10	651	2	2.12	69	5	18	7	3.39	<15	1.68	37	11	0.54	493
FRBA039	<10	670	2	2.30	59	6	18	10	2.58	<15	1.75	35	15	0.69	488
FRBA040	15	687	2	2.32	58	5	18	8	2.68	<15	1.82	35	15	0.63	459
FRBA041	26	675	2	2.19	62	6	24	12	2.31	<15	1.95	31	21	0.81	492
FRBA042	25	687	2	2.52	52	4	21	7	2.32	<15	1.91	29	16	0.76	476
FRBA043	17	682	2	2.12	59	5	19	10	2.90	<15	1.89	32	14	0.64	488
FRBA044	18	668	2	2.27	63	7	19	10	2.82	<15	1.77	35	16	0.73	498
FRBA045	15	674	2	2.15	57	5	17	12	2.69	<15	1.78	39	15	0.61	504
FRBA046	21	673	1	2.47	43	5	21	20	2.34	<15	1.97	29	18	0.76	471
FRBA047	15	663	2	2.07	63	6	18	9	2.75	<15	1.76	35	14	0.61	481
FRBA048	17	655	2	2.69	49	6	23	10	2.64	<15	1.85	23	22	0.93	511
FRBB001	<10	670	2	2.08	52	5	18	12	2.68	<15	1.74	29	15	0.61	472
FRBB002	14	543	2	2.88	48	10	30	11	3.73	<15	1.35	25	24	1.15	768
FRBB003	<10	676	2	1.92	60	7	22	14	3.01	<15	1.88	30	20	0.63	533
FRBB004	<10	656	2	2.10	62	5	19	9	3.03	<15	1.86	31	15	0.58	485
FRBB005	<10	663	2	2.19	62	4	20	8	3.62	<15	1.83	34	12	0.55	504
FRBB006	<10	675	2	2.01	49	5	17	10	2.74	<15	1.84	29	16	0.56	496
FRBB007	<10	691	2	1.96	61	5	18	9	2.35	<15	1.73	31	14	0.54	444
FRBB008	<10	420	1	2.73	27	15	134	24	4.02	<15	1.07	19	15	1.53	771
FRBB009	<10	472	1	2.58	40	11	79	11	4.07	<15	1.23	22	12	1.09	727
FRBB010	14	568	1	2.54	36	8	57	25	3.22	<15	1.47	19	17	0.86	566
FRBB011	10	643	2	1.67	37	7	33	13	2.64	<15	1.67	19	14	0.59	497
FRBB012	<10	640	2	1.87	42	6	29	11	2.58	<15	1.65	22	13	0.56	474
FRBB013	<10	603	2	1.57	48	8	58	28	2.94	<15	1.67	25	17	0.87	513
FRBB014	<10	664	2	1.87	51	6	16	13	2.28	<15	1.94	27	17	0.62	446
FRBB015	<10	682	2	1.91	48	5	27	22	2.66	<15	1.99	29	16	0.54	452
FRBB016	<10	680	2	1.96	56	6	19	15	2.91	<15	1.74	31	16	0.61	519
FRBB017	<10	705	2	1.97	57	6	20	19	2.54	<15	1.89	30	18	0.61	464
FRBB018	<10	713	2	2.00	60	5	18	21	2.47	<15	1.98	31	17	0.61	514
FRBB019	<10	630	2	2.21	61	6	21	13	4.43	<15	1.73	41	12	0.57	542
FRBB020	<10	686	2	2.08	60	5	18	13	2.51	<15	1.83	31	15	0.56	448
FRBB021	<10	655	2	2.02	53	5	16	8	2.33	<15	1.92	35	15	0.55	445
FRBB022	<10	700	2	1.96	48	5	16	41	2.36	<15	1.93	25	17	0.58	452
FRBB023	<10	667	2	2.13	64	7	25	12	3.69	<15	1.68	34	18	0.68	542
FRBB024	<10	657	2	2.52	39	12	52	19	3.59	<15	1.40	21	27	1.26	681
FRBB025	<10	686	2	2.02	59	6	20	15	2.88	<15	1.95	32	18	0.62	502
FRBB026	<10	704	2	1.91	59	6	21	16	2.71	<15	1.83	31	19	0.63	496
FRBB027	<10	674	2	1.58	59	6	21	20	3.18	<15	1.74	34	15	0.57	497
FRBB028	<10	660	2	1.53	53	5	19	23	2.41	<15	1.89	35	17	0.58	460
FRBB029	<10	657	2	1.98	53	5	18	21	2.70	<15	1.91	35	18	0.63	500
FRBB030	<10	673	2	2.04	58	7	23	13	3.49	<15	1.84	35	17	0.62	561
FRBB031	<10	686	2	2.00	60	6	18	11	2.41	<15	1.78	35	18	0.64	480
FRBB032	<10	683	2	1.95	60	5	18	11	2.49	<15	1.86	32	17	0.58	469
FRBB033	<10	694	2	1.53	57	6	22	16	3.12	<15	1.84	32	19	0.62	550
FRBB034	<10	707	2	1.59	56	6	19	11	2.38	<15	2.07	29	19	0.59	457

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PB	SC	SR	TH	TI	V	T	ZN	ZR
FRBA028	<4	1.99	17	7	527	16	6	341	14	3328	102	23	44	20
FRBA029	<4	2.07	15	6	486	16	6	340	20	2967	90	13	55	23
FRBA030	<4	2.12	14	11	528	13	6	341	14	3027	90	13	48	25
FRBA031	<4	2.00	13	11	555	17	6	348	24	3014	86	13	50	24
FRBA032	<4	1.96	13	9	620	14	6	345	22	2588	81	16	45	26
FRBA033	<4	2.03	13	6	543	19	6	344	11	2727	82	13	44	23
FRBA034	<4	1.87	15	10	482	14	6	343	18	2876	86	17	38	24
FRBA035	<4	2.20	14	10	523	21	7	337	10	3096	90	13	62	25
FRBA036	<4	1.92	14	11	737	16	6	345	22	2945	87	13	47	27
FRBA037	<4	2.09	13	9	636	13	6	357	11	2640	74	14	39	22
FRBA038	<4	1.99	15	7	509	12	6	339	19	3192	102	13	36	30
FRBA039	<4	1.96	12	12	774	12	6	367	14	2950	80	14	53	25
FRBA040	<4	2.10	15	11	630	13	6	377	10	2886	83	13	40	26
FRBA041	<4	1.95	13	15	800	17	6	353	19	2782	78	13	51	25
FRBA042	<4	2.17	12	10	791	13	6	432	12	2812	73	13	39	24
FRBA043	<4	2.17	13	12	836	12	6	355	10	2997	88	13	46	25
FRBA044	<4	1.97	14	12	721	19	6	358	11	2845	89	13	45	23
FRBA045	<4	1.99	12	10	1001	18	6	342	15	2903	83	13	63	23
FRBA046	<4	2.09	10	10	1016	10	6	365	10	2706	74	13	56	22
FRBA047	<4	1.98	14	10	519	15	6	347	13	2593	85	13	44	22
FRBA048	<4	1.98	13	13	757	10	6	414	11	2961	86	13	52	24
FRBB001	<4	1.88	13	12	561	33	6	340	11	2972	82	13	63	25
FRBB002	<4	1.77	16	12	747	15	14	309	13	4991	126	23	73	49
FRBB003	<4	1.97	14	12	566	13	7	321	12	3074	90	13	65	26
FRBB004	<4	2.10	13	12	564	30	6	342	14	3111	91	17	65	28
FRBB005	<4	2.20	16	11	508	23	7	350	7	3442	108	13	51	33
FRBB006	<4	2.05	13	8	594	45	6	341	7	3016	83	14	65	26
FRBB007	<4	1.92	14	10	404	30	6	342	15	2851	75	13	44	28
FRBB008	<4	1.67	8	56	399	34	14	243	5	4680	143	13	113	24
FRBB009	<4	1.79	14	36	410	13	12	281	12	4697	143	13	56	25
FRBB010	<4	1.76	11	25	342	23	10	376	3	3994	116	13	75	30
FRBB011	<4	1.85	10	16	285	26	7	262	5	3287	89	13	56	35
FRBB012	<4	1.85	9	17	274	31	7	305	7	2974	87	13	61	24
FRBB013	<4	1.77	10	45	563	51	8	294	15	3254	91	13	106	24
FRBB014	<4	2.10	12	12	726	35	6	325	15	2783	73	13	79	24
FRBB015	<4	2.18	12	15	578	43	6	334	6	3015	89	13	56	26
FRBB016	<4	1.87	13	12	578	29	6	338	10	3090	90	13	102	31
FRBB017	<4	2.03	13	13	572	27	7	341	17	3038	79	13	65	29
FRBB018	<4	2.07	13	13	511	33	6	343	15	2975	78	13	68	28
FRBB019	<4	2.12	18	11	599	32	7	349	23	3511	132	13	61	30
FRBB020	<4	2.04	14	11	590	25	6	350	16	2947	78	13	52	29
FRBB021	<4	2.13	13	10	574	23	6	347	8	2889	73	13	46	26
FRBB022	<4	2.08	12	11	555	50	6	341	9	2862	72	13	100	24
FRBB023	<4	2.12	15	18	574	11	7	338	11	3348	108	13	57	31
FRBB024	<4	1.83	12	36	740	14	11	284	7	4302	119	13	79	25
FRBB025	<4	2.14	13	13	648	39	6	340	12	3051	87	13	73	27
FRBB026	<4	1.89	12	12	544	52	7	329	15	3048	83	13	64	32
FRBB027	<4	1.87	13	11	613	14	6	337	10	3106	95	13	57	34
FRBB028	<4	1.91	11	11	590	32	6	338	9	2822	74	13	171	31
FRBB029	<4	2.13	14	9	670	41	6	337	22	3062	81	13	64	29
FRBB030	<4	2.15	14	11	710	39	6	339	14	3143	103	13	74	33
FRBB031	<4	1.88	12	9	511	21	6	338	16	2919	76	13	68	30
FRBB032	<4	1.87	12	5	543	16	6	339	14	2967	78	13	56	30
FRBB033	<4	1.97	17	12	470	14	7	332	17	3228	98	17	64	35
FRBB034	<4	2.22	12	11	518	31	6	345	13	2896	75	13	48	28

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-UP	ODUR	CUN1	CUN2	CUN3	FORM
FRBB035	36.608	119.518	07	81780				3	1	1				7	QTRN
FRBB036	36.605	119.561	07	81780				3	1	1				7	QTRN
FRBB037	36.605	119.603	07	81780				3	1	1				7	QTRN
FRBB038	36.609	119.646	07	81780				3	1	1				7	QTRN
FRBB039	36.576	119.643	07	81780				3	1	1				7	QTRN
FRBB040	36.518	119.645	07	81780				3	1	1				7	QTRN
FRBB041	36.518	119.667	07	81780				3	1	1				7	QTRN
FRBB042	36.518	119.725	07	81780				3	1	1				7	QTRN
FRBB043	36.735	119.602	07	81880				4	1	1				7	QTRN
FRBB044	36.736	119.562	07	81880				3	1	1				7	QTRN
FRBB045	36.735	119.518	07	81880				3	1	1				7	QTRN
FRBB046	36.700	119.523	07	81780				4	1	1			7	0	QTRN
FRBB047	36.703	119.564	07	81880				3	1	1				1	QTRN
FRBB048	36.700	119.603	07	81880				3	1	1				7	QTRN
FRBC001	36.610	119.463	07	81980				3	1	1				7	QTRN
FRBC002	36.609	119.428	07	81980				3	1	1				7	QTRN
FRBC003	36.611	119.355	07	81980				3	1	1				7	QTRN
FRBC004	36.580	119.394	07	81980				3	1	1				7	QTRN
FRBC005	36.580	119.443	07	81980				4	1	1				7	QTRN
FRBC006	36.576	119.480	07	81980				3	1	1				7	QTRN
FRBC007	36.517	119.480	07	82080				3	1	1				7	QTRN
FRBC008	36.518	119.428	07	82080				3	1	1				7	QTRN
FRBC009	36.516	119.353	07	82080				3	1	1				7	QTRN
FRBC010	36.545	119.355	07	82080				3	1	1				6	QTRN
FRBC011	36.547	119.437	07	82080				4	1	1				7	QTRN
FRBC012	36.548	119.479	07	82080				3	1	1				7	QTRN
FRBC013	36.642	119.481	07	82080				3	1	1				7	QTRN
FRBC014	36.643	119.432	07	82080				3	1	1				7	QTRN
FRBC015	36.641	119.354	07	82080				3	1	1				7	QTRN
FRBC016	36.672	119.358	07	82080				3	1	1				7	QTRN
FRBC017	36.703	119.354	07	82080				3	1	1				7	QTRN
FRBC018	36.725	119.350	07	82080				3	1	1			6	7	TRN
FRBC019	36.720	119.394	07	82080				4	1	1				7	QTRN
FRBC020	36.735	119.446	07	82080				3	1	1				7	TRN
FRBC021	36.731	119.479	07	82080				3	1	1				7	QTRN
FRBC022	36.698	119.442	07	82080				3	1	1			7	8	QTRN
FRBC023	36.670	119.440	07	82080				3	1	1			6	7	QTRN
FRBC024	36.669	119.478	07	82080				3	1	1				7	QTRN
FRBC025	36.703	119.483	07	82080				3	1	1			6	7	QTRN
FRBC026	36.519	119.357	07	82180				3	1	1				7	QTRN
FRBC027	36.517	119.313	07	82180				3	1	1				7	QTRN
FRBC028	36.515	119.267	07	82180				3	1	1				7	QTRN
FRBC029	36.544	119.269	07	82180				3	1	1				7	QTRN
FRBC030	36.545	119.314	07	82180				3	1	1				7	QTRN
FRBC031	36.546	119.358	07	82180				3	1	1				7	QTRN
FRBC032	36.575	119.358	07	82180				3	1	1				7	QTRN
FRBC033	36.610	119.353	07	82180				3	1	1				7	QTRN
FRBC034	36.610	119.312	07	82180				3	1	1				7	QTRN
FRBC035	36.579	119.313	07	82180				3	1	1				7	QTRN
FRBC036	36.581	119.264	07	82180				3	1	1				7	QTRN
FRBC037	36.606	119.268	07	82180				3	1	1				7	QTRN
FRBC038	36.638	119.276	07	82180				3	1	1			6	7	TRN
FRBC039	36.639	119.313	07	82180				3	1	1				7	QTRN
FRBC040	36.646	119.349	07	82180				3	1	1				7	QTRN
FRBC041	36.667	119.349	07	82280				3	1	1				7	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYF	FLOW	SLVL	RELF	IVEG	DVEG	MAP	U-F	U-NT	AG	AL
FRB0035	10		55.00	10	1	1	1	1	2	NJ1110		6.50	<2	7.55
FRB0036	10		62.00	10	1	1	1	4	2	NJ1110		5.20	<2	7.38
FRB0037	10		56.00	10	1	1	1	1	2	NJ1110		6.00	<2	7.38
FRB0038	10		58.00	10	1	1	1	4	1	NJ1110		6.50	<2	7.21
FRB0039	10		56.00	10	1	1	1	1	2	NJ1110		6.80	<2	6.84
FRB0040	10		66.00	10	1	1	1	1	2	NJ1110		5.00	<2	6.39
FRB0041	10		56.00	10	1	1	1	4	1	NJ1110		7.00	<2	6.60
FRB0042	10		60.00	10	1	1	1	2	2	NJ1110		5.90	<2	6.58
FRB0043	10		64.00	10	1	1	1	4	2	NJ1110		4.60	<2	6.61
FRB0044	10		50.00	10	1	1	1	2	2	NJ1110		4.20	<2	6.97
FRB0045	10		54.00	10	1	1	1	1	2	NJ1110		3.90	<2	6.79
FRB0045	10		49.00	10	1	1	1	4	3	NJ1110		5.70	<2	7.27
FRB0047	10		74.00	10	1	1	1	4	2	NJ1110		5.20	<2	6.95
FRB0048	10		57.00	10	1	1	1	1	2	NJ1110		4.70	<2	6.89
FRBC001	10		58.00	10	1	1	1	4	2	NJ1110		5.30	<2	6.65
FRBC002	10		34.00	10	1	1	1	2	2	NJ1110		3.60	<2	7.59
FRBC003	10		28.00	10	1	1	1	4	2	NJ1110		3.00	<2	7.36
FRBC004	10		30.00	10	1	1	1	4	1	NJ1110		2.80	<2	7.72
FRBC005	10		68.00	10	1	1	1	2	2	NJ1110		4.00	<2	6.71
FRBC006	10		66.00	10	1	1	1	2	2	NJ1110		6.20	<2	6.64
FRBC007	10		78.00	10	1	1	1	2	2	NJ1110		5.20	<2	6.37
FRBC008	10		59.00	10	1	1	1	1	2	NJ1110		4.80	<2	6.93
FRBC009	10		36.00	10	1	1	1	2	2	NJ1110		2.40	<2	7.50
FRBC010	10		37.00	10	1	1	1	4	1	NJ1110		2.40	<2	7.75
FRBC011	10		54.00	10	1	1	1	2	2	NJ1110		4.40	<2	6.69
FRBC012	10		65.00	10	1	1	1	2	2	NJ1110		4.80	<2	6.89
FRBC013	10		68.00	10	1	1	1	1	2	NJ1110		6.30	<2	6.75
FRBC014	10		48.00	10	1	1	1	1	3	NJ1110		3.80	<2	6.94
FRBC015	10		38.00	10	1	1	1	2	2	NJ1110		2.10	<2	7.15
FRBC016	10		24.00	10	1	1	1	2	1	NJ1110		2.20	<2	7.56
FRBC017	10		22.00	10	1	1	1	2	2	NJ1110		1.90	<2	7.39
FRBC018	10		22.00	04	1	1	2	4	2	NJ1110		2.00	<2	7.62
FRBC019	10		21.00	10	1	1	1	1	2	NJ1110		1.10	<2	7.30
FRBC020	10		33.00	04	1	1	1	4	1	NJ1110		4.50	<2	7.57
FRBC021	10		46.00	10	1	1	1	2	1	NJ1110		4.70	<2	6.99
FRBC022	10		60.00	10	1	1	1	4	2	NJ1110		5.20	<2	6.68
FRBC023	10		45.00	10	1	1	1	4	2	NJ1110		4.70	<2	7.33
FRBC024	10		58.00	10	1	1	1	1	2	NJ1110		4.80	<2	7.00
FRBC025	10		48.00	10	1	1	1	4	2	NJ1110		4.60	<2	6.98
FRBC026	10		26.00	10	1	1	1	4	1	NJ1110		2.50	<2	7.26
FRBC027	10		28.00	10	1	1	1	4	2	NJ1110		2.10	<2	6.40
FRBC028	10		28.00	10	1	1	1	2	2	NJ1110		2.60	<2	7.23
FRBC029	10		36.00	10	1	1	1	2	2	NJ1110		2.90	<2	7.89
FRBC030	10		29.00	10	1	1	1	4	2	NJ1110		2.10	<2	7.00
FRBC031	10		25.00	10	1	1	1	2	1	NJ1110		1.90	<2	7.03
FRBC032	10		29.00	10	1	1	1	2	2	NJ1110		2.10	<2	6.21
FRBC033	10		28.00	10	1	1	1	1	2	NJ1110		2.80	<2	7.68
FRBC034	10		25.00	10	1	1	1	2	2	NJ1110		2.60	<2	7.80
FRBC035	10		24.00	10	1	1	1	2	1	NJ1110		2.60	<2	7.13
FRBC036	10		26.00	10	1	1	1	4	2	NJ1110		2.30	<2	7.59
FRBC037	10		25.00	10	1	1	1	2	2	NJ1110		1.90	<2	7.34
FRBC038	10		26.00	04	1	1	2	4	2	NJ1110		2.70	<2	7.74
FRBC039	10		32.00	10	1	1	1	2	2	NJ1110		2.40	<2	8.25
FRBC040	10		32.00	10	1	1	1	2	2	NJ1110		2.60	<2	7.89
FRBC041	10		38.00	10	1	1	1	2	2	NJ1110		2.70	<2	7.10

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FL	HF	K	L4	LI	MG	MN
FRBB035	<10	712	2	1.93	52	6	21	15	2.57	<15	2.12	29	20	0.58	474
FRBB036	<10	676	2	1.98	67	8	28	18	3.07	<15	1.88	34	19	0.68	580
FRBB037	<10	712	2	1.95	63	6	21	13	2.74	<15	1.95	35	17	0.58	497
FRBB038	<10	720	1	2.08	51	5	20	10	2.80	<15	1.92	25	18	0.60	523
FRBB039	<10	695	1	1.98	95	5	17	8	2.48	<15	1.84	30	17	0.55	504
FRBB040	<10	705	1	1.97	57	6	18	10	2.36	<15	1.87	30	17	0.57	485
FRBB041	<10	668	1	1.92	63	7	18	9	2.83	<15	1.66	31	18	0.60	520
FRBB042	<10	659	1	1.92	54	5	17	40	2.50	<15	1.78	31	17	0.58	470
FRBB043	10	634	1	1.46	49	9	37	13	2.41	<15	1.53	23	16	0.55	540
FRBB044	<10	622	1	2.27	42	9	42	31	2.79	21	1.52	20	15	0.71	591
FRBB045	<10	495	1	2.36	39	22	217	22	4.05	<15	1.22	20	19	1.79	808
FRBB046	42	621	1	2.76	29	10	53	16	3.31	<15	1.58	17	33	1.35	717
FRBB047	<10	692	1	2.01	46	6	20	18	2.40	<15	1.79	25	18	0.68	501
FRBB048	<10	702	1	1.90	46	8	34	48	2.41	<15	1.68	25	16	0.58	577
FRBC001	<10	675	1	1.81	60	7	23	13	2.77	<15	1.64	30	18	0.61	514
FRBC002	12	480	1	2.49	31	13	54	53	3.73	<15	1.35	15	18	1.17	872
FRBC003	17	495	1	2.49	29	10	33	33	3.18	15	1.20	15	15	0.96	757
FRBC004	10	477	1	2.75	29	10	29	20	3.11	<15	1.07	14	13	0.96	759
FRBC005	<10	681	1	1.98	50	5	18	14	2.29	<15	1.83	23	17	0.60	472
FRBC006	<10	664	1	1.99	59	5	20	37	2.92	<15	1.71	31	16	0.59	517
FRBC007	<10	652	1	1.87	58	6	17	18	2.53	<15	1.62	31	15	0.58	481
FRBC008	<10	652	1	2.11	52	7	20	13	2.80	17	1.55	23	15	0.65	552
FRBC009	13	463	1	2.36	36	14	32	51	4.08	<15	1.21	15	23	1.28	780
FRBC010	12	428	1	2.82	31	16	39	34	4.51	<15	1.02	15	20	1.35	881
FRBC011	<10	665	1	2.04	47	6	21	45	2.35	<15	1.78	25	17	0.66	493
FRBC012	<10	705	1	2.12	54	6	17	12	2.52	<15	1.84	30	17	0.62	501
FRBC013	<10	697	1	1.76	60	6	22	13	2.47	<15	1.72	30	20	0.62	510
FRBC014	15	571	1	1.80	48	13	42	19	2.91	<15	1.35	21	16	0.80	771
FRBC015	18	335	<1	3.27	34	14	52	21	4.05	16	0.78	14	12	1.46	952
FRBC016	19	364	1	2.79	32	13	51	66	3.71	<15	0.87	15	15	1.28	776
FRBC017	12	317	<1	3.03	32	21	34	106	5.41	<15	0.73	15	15	1.55	1106
FRBC018	26	344	<1	2.52	27	20	32	64	4.67	<15	0.95	11	16	1.37	872
FRBC019	<10	217	<1	3.29	16	23	111	22	5.01	<15	0.43	7	12	1.70	957
FRBC020	21	487	1	2.25	39	14	46	22	3.74	<15	1.18	20	20	1.26	731
FRBC021	<10	577	1	2.57	34	11	53	17	3.39	<15	1.44	15	31	1.32	744
FRBC022	<10	654	1	1.65	55	7	23	16	3.40	31	1.87	25	20	0.63	576
FRBC023	11	721	1	1.38	43	9	35	18	2.60	<15	1.83	24	18	0.52	643
FRBC024	<10	736	1	2.56	48	5	15	10	2.52	<15	1.86	27	17	0.53	545
FRBC025	<10	571	1	2.77	43	12	52	16	3.36	<15	1.25	21	25	1.32	740
FRBC026	17	380	1	2.68	30	14	31	25	3.91	<15	0.97	14	15	1.27	851
FRBC027	21	427	1	3.52	25	11	30	22	3.14	<15	1.19	11	20	1.51	882
FRBC028	22	381	1	2.38	25	12	38	77	3.42	<15	0.95	12	17	0.93	688
FRBC029	19	465	1	2.29	37	14	37	25	3.62	<15	1.02	17	19	0.87	832
FRBC030	16	400	1	2.67	30	13	34	27	3.65	<15	0.97	15	17	1.24	823
FRBC031	15	359	<1	2.96	25	13	35	25	3.91	<15	0.91	11	15	1.30	837
FRBC032	10	412	1	2.00	29	27	292	68	3.42	<15	0.92	15	16	1.45	799
FRBC033	<10	504	1	2.33	36	10	20	24	3.15	<15	1.25	15	25	0.95	702
FRBC034	15	415	1	2.48	33	14	37	133	4.03	<15	1.06	15	20	1.07	734
FRBC035	16	379	<1	3.07	23	15	33	53	4.13	<15	1.11	11	18	1.27	849
FRBC036	19	320	<1	2.52	21	14	33	47	4.08	<15	0.87	11	18	0.98	763
FRBC037	19	343	<1	2.98	21	16	34	56	3.96	<15	0.96	11	16	1.14	871
FRBC038	<10	557	1	2.13	41	8	20	15	2.43	<15	1.18	15	15	0.63	604
FRBC039	<10	473	1	2.90	33	8	18	103	2.84	<15	1.05	15	21	0.76	657
FRBC040	12	424	<1	2.60	31	13	32	75	3.72	<15	1.05	14	18	1.03	915
FRBC041	14	379	1	3.24	34	14	29	62	4.05	<15	0.88	15	17	0.85	931

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PB	SC	SR	TH	TI	V	I	LN	ZR
FR83035	<4	2.16	11	11	793	65	7	335	20	2991	79	13	97	31
FR88036	<4	2.00	16	16	671	27	7	329	12	3223	92	13	63	30
FR88037	<4	2.13	15	10	536	41	6	339	20	3028	84	13	64	31
FR88038	<4	2.45	12	11	573	23	6	368	9	3099	72	13	58	26
FR88039	<4	2.30	12	8	570	11	6	352	5	3048	67	13	47	25
FR89040	<4	2.32	11	5	527	17	6	358	12	3001	64	13	59	26
FR89041	<4	2.08	16	11	423	14	7	343	13	3184	76	17	53	23
FR88042	<4	2.24	12	8	471	<10	6	344	7	2994	72	13	68	22
FR88043	<4	1.62	13	23	389	30	7	248	7	3586	75	13	50	33
FR88044	<4	1.82	10	21	365	15	9	273	8	3636	84	13	69	33
FR88045	<4	1.61	10	206	643	28	12	248	7	4141	107	13	66	26
FR88046	<4	2.09	10	40	988	47	10	314	6	4312	93	13	219	21
FR88047	<4	2.22	10	15	679	49	7	349	10	3045	66	13	170	23
FR88048	<4	1.75	11	20	466	36	7	298	8	3554	72	13	89	35
FR8C001	<4	1.89	13	14	435	26	7	315	10	3104	73	13	55	31
FR8C002	<4	1.52	8	24	620	<10	14	250	<2	4858	130	13	107	28
FR8C003	<4	1.88	7	17	337	<10	13	272	4	4444	108	17	92	32
FR8C004	<4	2.11	7	14	409	37	13	312	3	4288	105	13	75	29
FR8C005	<4	2.21	10	11	548	12	6	341	9	2959	63	13	117	29
FR8C006	<4	2.16	13	10	613	23	6	338	9	3194	77	13	107	30
FR8C007	<4	1.57	11	11	457	12	6	325	16	3011	67	13	59	29
FR8C008	<4	2.02	11	11	471	<10	7	339	16	3245	78	13	54	29
FR8C009	<4	1.57	7	16	389	25	14	232	6	4715	132	13	169	25
FR8C010	<4	1.51	7	21	583	35	16	248	2	5292	153	13	108	26
FR8C011	<4	2.14	10	9	768	41	7	343	11	2935	64	13	110	26
FR8C012	<4	2.30	11	10	756	16	6	353	13	2968	68	13	60	28
FR8C013	<4	1.93	11	11	544	23	7	314	17	3151	66	13	68	29
FR8C014	<4	1.55	10	26	366	17	11	235	13	4237	95	13	62	32
FR8C015	<4	1.65	8	22	650	<10	18	247	10	5133	152	13	159	25
FR8C016	<4	1.60	9	26	293	<10	16	225	6	4901	132	17	139	25
FR8C017	<4	1.41	9	21	808	10	18	231	7	7164	211	17	337	29
FR8C018	<4	1.46	6	21	508	<10	17	217	4	4917	162	13	170	22
FR8C019	<4	1.32	3	69	486	<10	15	208	6	6137	194	13	77	19
FR8C020	<4	1.60	9	36	468	10	12	255	7	3587	113	13	72	23
FR8C021	<4	1.56	10	40	650	<10	11	278	<2	4677	99	13	83	26
FR8C022	<4	2.03	18	13	608	48	7	281	14	3372	89	13	69	25
FR8C023	<4	1.80	9	20	347	14	8	250	4	3955	81	13	65	37
FR8C024	<4	2.34	10	7	595	10	6	334	7	3035	65	13	63	23
FR8C025	<4	1.82	11	32	824	<10	12	288	19	4610	102	13	88	26
FR8C026	<4	1.77	7	14	363	23	16	251	6	5058	141	17	93	25
FR8C027	<4	1.65	5	15	846	11	12	312	4	3995	108	13	73	22
FR8C028	<4	1.49	5	21	540	21	14	221	4	4338	125	13	224	26
FR8C029	<4	1.58	3	22	324	<10	15	234	<2	5005	135	13	65	29
FR8C030	<4	1.62	5	17	507	34	15	239	4	4795	126	13	102	23
FR8C031	<4	1.78	7	14	509	67	16	246	5	5195	141	17	117	21
FR8C032	<4	1.44	7	322	231	13	11	205	7	3643	95	13	207	24
FR8C033	<4	2.01	9	13	546	13	10	302	8	4402	86	13	91	22
FR8C034	<4	1.67	7	19	733	30	17	226	4	4624	134	13	343	27
FR8C035	<4	1.77	5	15	955	<10	15	239	<2	5144	150	13	122	23
FR8C036	<4	1.54	5	15	680	<10	17	214	<2	5235	157	13	90	23
FR8C037	<4	1.67	3	17	324	<10	15	235	5	5365	147	17	144	24
FR8C038	<4	2.15	3	11	428	<10	8	331	5	4196	73	12	62	26
FR8C039	<4	2.48	3	9	656	<10	9	357	4	4820	79	13	271	20
FR8C040	<4	1.65	6	15	533	<10	14	269	2	5382	121	13	263	25
FR8C041	<4	1.42	3	19	707	13	16	240	6	5320	142	13	150	26

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-DP	ODOR	CUN1	CON2	CUN3	FORM
FRBC042	36.700	119.348	07	82280				3	1	1				7	QTRN
FRBC043	36.724	119.301	07	82280				3	1	1				2	TKTR
FRBC044	36.735	119.308	07	82280				2	1	1				8	TKTR
FRBC045	36.733	119.272	07	82280				3	1	1				8	TKTR
FRBC046	36.707	119.258	07	82280				3	1	1				8	TKTR
FRBC047	36.702	119.304	07	82280				3	1	1				8	TKTR
FRBC048	36.670	119.304	07	82280				3	1	1				7	QTRN
FRBC049	36.660	119.265	07	82280				3	1	1				8	TKTR
FRBD001	36.607	119.236	07	82380				3	1	1				7	TKTR
FRBD002	36.583	119.231	07	82380				3	1	1				7	TKTR
FRBD003	36.544	119.221	07	82380				3	1	1				7	QTRN
FRBD004	36.544	119.187	07	82380				3	1	1				7	TKTR
FRBD005	36.572	119.176	06	82380				3	1	1				8	TKTR
FRBD007	36.576	119.107	07	82380				3	1	1				8	TKTR
FRBD008	36.578	119.059	07	82380				3	1	1				8	TKTR
FRBD009	36.546	119.024	07	82380				3	1	1				8	TKTR
FRBD010	36.644	119.238	07	82480				3	1	1				8	TKTR
FRBD011	36.666	119.221	07	82480				3	1	1				8	TKTR
FRBD012	36.705	119.223	07	82480				4	1	1				8	TKTR
FRBD013	36.726	119.235	07	82480				3	1	1				8	TKTR
FRBD014	36.711	119.157	07	82480				3	1	1				8	TKTR
FRBD015	36.734	119.192	07	82480				3	1	1				8	TKTR
FRBD016	36.730	119.103	07	82580				3	1	1				8	TKTR
FRBD017	36.734	119.061	07	82580				3	1	1				8	TKTR
FRBD018	36.735	119.021	07	82580				2	1	1				2	TKTR
FRBD019	36.700	119.023	07	82580				3	1	1				8	TKTR
FRBD020	36.700	119.068	07	82580				3	1	1				8	TKTR
FRBD021	36.705	119.055	07	82580				3	1	1				8	TKTR
FRBD022	36.699	119.143	07	82580				4	1	1				8	TKTR
FRBD023	36.681	119.182	07	82580				3	1	1				8	TKTR
FRBD024	36.618	119.203	07	82580				3	1	1				8	TKTR
FRBD025	36.637	119.164	07	81780				3	1	1				8	TKTR
FRBD026	36.648	119.146	07	82580				4	1	1				8	QTRN
FRBD027	36.644	119.112	07	82580				3	1	1				8	TKTR
FRBD028	36.606	119.057	07	82580				3	1	1				8	TKTR
FRBD029	36.674	119.070	07	82680				3	1	1				8	TKTR
FRBD030	36.667	119.065	07	82680				3	1	1				8	TKTR
FRBD031	36.675	119.018	07	82680				3	1	1				8	TKTR
FRBD032	36.640	119.014	07	82680				3	1	1				8	TKTR
FRBD033	36.608	119.012	07	82680				3	1	1				8	TKTR
FRBD034	36.580	119.011	07	82680				3	1	1				8	TKTR
FRBD035	36.516	119.019	07	82680				3	1	1				8	TKTR
FRBD036	36.610	119.061	07	82680				3	1	1				8	TKTR
FRBD037	36.554	119.122	07	82680				3	1	1				8	TKTR
FRBD038	36.539	119.127	07	82680				3	1	1				8	TKTR
FRBD039	36.515	119.129	07	82680				3	1	1				8	TKTR
FRBD040			07	82680				3	1	1				8	QTRN
FRBD041	36.503	119.166	07	82680				4	1	1				7	QTRN
FRBD042	36.515	119.249	07	82680				3	1	1				8	QTRN
FRBD043	36.723	119.147	07	82480				3	1	1				8	TKTR
FRBE001	36.645	118.994	07	90380				4	1	1				8	MSZC
FRBE002	36.671	118.978	07	90380				3	1	1				8	MSZC
FRBE003	36.675	118.948	07	90380				3	1	1				8	MSZC
FRBE004	36.698	118.937	07	90380				3	1	1				8	MSZC
FRBE005	36.713	118.972	07	90380				3	1	1				8	MSZC

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLGW	SLVL	RELF	TVEG	DVEG	MAP	U-F..	U-NT	AG	AL
FRBC042	10		40.00	10	1	1	1	2	2	NJ1110		2.30	<2	7.70
FRBC043	10		29.00	04	1	1	3	4	2	NJ1110		2.30	<2	7.77
FRBC044	10		34.00	04	1	1	2	4	2	NJ1110		2.40	<2	7.68
FRBC045	10		20.00	04	1	1	2	4	2	NJ1110		1.10	<2	7.56
FRBC046	10		28.00	04	1	1	2	4	2	NJ1110		2.30	<2	8.39
FRBC047	10		27.00	04	1	1	2	4	2	NJ1110		1.60	<2	6.40
FRBC048	10		22.00	10	1	1	1	2	2	NJ1110		2.40	<2	7.53
FRBC049	10		28.00	04	1	1	1	4	2	NJ1110		2.20	<2	8.31
FRBD001	10		23.00	10	1	1	1	4	3	NJ1110		1.50	<2	6.27
FRBD002	10		25.00	04	1	1	2	4	1	NJ1110		1.70	<2	7.43
FRBD003	10		28.00	10	1	1	1	4	1	NJ1110		2.40	<2	7.98
FRBD004	10		23.00	04	1	1	1	2	2	NJ1110		1.60	<2	8.37
FRBD005	10		34.00	04	1	1	3	4	2	NJ1110		2.10	<2	7.60
FRBD007	10		36.00	04	1	1	3	4	2	NJ1110		3.50	<2	6.17
FRBD008	10		29.00	04	1	1	2	4	2	NJ1110		3.00	<2	7.66
FRBD009	10		39.00	04	1	1	3	4	2	NJ1110		5.00	<2	6.74
FRBD010	10		25.00	04	1	1	2	4	2	NJ1110		2.60	<2	7.86
FRBD011	10		34.00	04	1	1	3	4	2	NJ1110		3.00	<2	7.14
FRBD012	10		30.00	04	1	1	1	4	2	NJ1110		2.00	<2	7.01
FRBD013	10		18.00	04	1	1	1	4	2	NJ1110		1.80	<2	7.18
FRBD014	10		22.00	04	1	1	3	4	3	NJ1110		1.20	<2	6.67
FRBD015	10		22.00	04	1	1	2	4	2	NJ1110		2.30	<2	6.56
FRBD015	10		40.00	04	1	1	2	4	3	NJ1110		2.60	<2	6.20
FRBD017	10		51.00	04	1	1	2	4	3	NJ1110		4.60	<2	8.76
FRBD018	10		24.00	04	1	1	3	2	2	NJ1110		6.60	<2	7.20
FRBD019	10		35.00	04	1	1	3	4	2	NJ1110		3.60	<2	7.81
FRBD020	10		48.00	04	1	1	3	4	3	NJ1110		3.30	<2	7.45
FRBD021	10		34.00	04	1	1	3	2	3	NJ1110		2.60	<2	7.14
FRBD022	10		25.00	04	1	1	2	4	2	NJ1110		1.50	<2	8.98
FRBD023	10		25.00	04	1	1	2	4	2	NJ1110		1.60	<2	7.14
FRBD024	10		25.00	04	1	1	2	4	2	NJ1110		1.80	<2	6.64
FRBD025	10		30.00	04	1	1	3	4	2	NJ1110		2.20	<2	6.74
FRBD026	10		25.00	10	1	1	1	4	2	NJ1110		1.80	<2	7.10
FRBD027	10		21.00	04	1	1	2	4	2	NJ1110		2.20	<2	7.27
FRBD028	10		39.00	04	1	1	3	4	2	NJ1110		3.30	<2	6.24
FRBD029	10		40.00	04	1	1	2	4	3	NJ1110		3.40	<2	8.19
FRBD030	10		32.00	04	1	1	2	2	2	NJ1110		1.50	<2	9.09
FRBD031	10		42.00	04	1	1	3	2	2	NJ1110		11.50	<2	8.17
FRBD032	10		31.00	04	1	1	2	4	2	NJ1110		2.80	<2	9.06
FRBD033	10		33.00	04	1	1	2	2	2	NJ1110		2.80	<2	8.24
FRBD034	10		49.00	04	1	1	3	2	2	NJ1110		4.30	<2	7.96
FRBD035	10		26.00	04	1	1	2	4	2	NJ1110		2.70	<2	6.64
FRBD036	10		30.00	04	1	1	2	2	2	NJ1110		2.60	<2	9.09
FRBD037	10		40.00	04	1	1	2	4	2	NJ1110		2.60	<2	6.01
FRBD038	10		28.00	04	1	1	3	4	2	NJ1110		2.10	<2	7.14
FRBD039	10		26.00	04	1	1	2	4	2	NJ1110		1.10	<2	6.24
FRBD040	10		32.00	10	1	1	2	4	3			2.10	<2	7.00
FRBD041	10		18.00	10	1	1	1	4	1	NJ1110		1.30	<2	7.77
FRBD042	10		24.00	10	1	1	1	4	3	NJ1110		2.00	<2	6.90
FRBD043	10		35.00	04	1	1	3	4	3	NJ1110		4.00	<2	8.62
FRBE001	10		42.00	04	1	1	2	2	2	NJ1110		3.60	<2	8.75
FRBE002	10		44.00	04	1	1	3	2	3	NJ1110		3.40	<2	8.62
FRBE003	10		58.00	04	1	1	2	2	2	NJ1110		6.50	<2	7.55
FRBE004	10		68.00	04	1	1	3	2	2	NJ1110		5.30	<2	8.39
FRBE005	10		94.00	04	1	1	2	2	2	NJ1110		8.50	<2	10.00

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRBC042	20	343	<1	3.08	30	14	29	69	3.73	<15	0.89	13	17	1.21	820
FRBC043	20	379	<1	2.52	23	19	36	70	4.98	<15	0.90	13	17	1.57	955
FRBC044	28	413	<1	2.57	32	20	33	77	4.73	<15	1.16	13	18	1.69	1037
FRBC045	<10	265	<1	3.10	24	23	68	28	5.21	<15	0.56	3	13	1.75	1015
FRBC046	<10	688	1	1.52	25	6	10	13	2.22	<15	1.48	14	19	0.49	645
FRBC047	10	251	<1	3.35	23	18	51	38	4.49	<15	0.86	13	18	1.73	839
FRBC048	<10	460	1	2.21	32	11	23	51	2.79	<15	0.55	13	15	0.74	754
FRBC049	<10	482	1	2.49	29	10	12	17	3.76	<15	1.17	13	28	1.09	819
FRBD001	12	330	<1	3.35	24	20	29	73	4.01	<15	0.93	11	18	1.51	852
FRBD002	15	314	<1	3.16	25	17	30	43	4.41	<15	0.79	13	16	1.38	835
FRBD003	19	385	1	2.56	33	15	37	24	3.88	<15	0.97	14	17	0.95	825
FRBD004	17	262	<1	3.45	25	17	44	85	4.82	<15	0.69	3	15	1.46	823
FRBD005	18	326	<1	3.43	20	14	28	36	4.22	<15	0.94	3	15	1.29	771
FRBD007	<10	450	<1	3.22	32	15	47	20	4.60	<15	1.03	14	20	1.65	1078
FRBD008	10	476	<1	2.82	41	17	32	23	4.35	<15	1.37	17	20	1.37	839
FRBD009	10	465	<1	2.35	53	17	39	16	5.02	<15	1.51	24	30	1.57	976
FRBD010	<10	475	<1	2.42	28	13	26	17	3.97	<15	1.02	13	19	1.11	903
FRBD011	49	333	1	2.70	20	10	6	43	4.09	<15	1.01	6	20	1.05	737
FRBD012	52	331	1	2.70	23	13	22	35	3.92	<15	1.14	13	18	1.22	751
FRBD013	44	295	1	2.53	14	18	28	35	5.10	<15	0.92	7	15	1.54	967
FRBD014	47	225	1	3.06	13	17	32	27	4.56	<15	0.71	3	10	1.26	860
FRBD015	36	306	1	2.69	26	20	192	44	3.64	<15	0.73	13	8	1.78	800
FRBD016	52	476	1	1.83	28	14	56	34	3.70	<15	1.41	14	19	1.24	590
FRBD017	46	481	1	1.91	32	8	15	10	2.80	<15	1.42	13	22	0.75	648
FRBD018	46	108	2	0.32	<10	<4	6	4	0.74	<15	2.41	3	33	0.09	527
FRBD019	49	536	1	1.67	15	10	22	19	3.72	<15	1.31	3	25	0.95	782
FRBD020	67	486	1	2.25	17	10	16	14	3.74	<15	1.31	3	23	1.01	676
FRBD021	46	1156	2	1.57	25	19	75	90	4.98	<15	1.46	14	21	1.24	1191
FRBD022	50	198	1	2.78	<10	17	24	43	5.16	<15	0.77	3	16	1.49	833
FRBD023	44	240	1	3.30	12	15	29	30	4.56	<15	0.82	3	13	1.44	874
FRBD024	56	282	1	3.12	21	14	24	32	3.87	<15	0.91	3	12	1.22	791
FRBD025	57	430	1	2.28	23	14	22	36	3.98	<15	1.38	11	19	1.16	759
FRBD026	53	252	1	2.95	15	17	25	19	4.30	<15	0.84	3	12	1.33	977
FRBD027	45	393	1	2.23	16	13	18	23	4.08	<15	1.04	3	17	1.12	762
FRBD028	42	774	2	0.50	32	16	81	60	4.34	<15	1.65	13	30	1.48	1443
FRBD029	45	504	1	2.32	17	8	12	10	3.14	16	1.21	11	16	0.87	740
FRBD030	42	451	1	2.41	21	13	17	35	4.20	<15	1.18	14	16	1.18	813
FRBD031	47	437	1	2.50	25	9	22	8	4.03	<15	1.20	12	21	0.97	862
FRBD032	47	557	1	2.19	21	10	19	16	3.64	<15	1.06	12	24	1.05	707
FRBD033	50	457	1	2.89	26	11	21	24	3.40	<15	1.23	12	16	1.12	661
FRBD034	42	467	1	2.53	34	8	13	24	2.81	<15	1.08	13	19	0.86	493
FRBD035	56	581	1	2.09	39	10	25	26	3.99	<15	1.31	13	21	0.99	726
FRBD036	61	364	1	3.53	20	10	14	14	4.08	<15	0.82	14	14	1.14	746
FRBD037	53	503	1	2.00	30	13	18	20	3.95	<15	1.25	13	15	1.09	571
FRBD038	63	334	1	3.09	26	18	43	39	4.64	<15	1.22	12	19	1.50	873
FRBD039	56	194	1	3.50	10	17	82	29	4.35	<15	0.59	3	10	1.76	778
FRBD040	60	408	1	2.40	13	14	45	29	3.73	<15	1.07	7	20	1.20	692
FRBD041	54	195	1	3.52	12	19	45	28	5.63	<15	0.55	3	12	1.60	828
FRBD042	61	299	1	2.69	24	17	42	34	4.61	<15	0.93	13	14	1.52	820
FRBD043	62	529	1	2.69	24	11	16	14	3.75	<15	1.49	13	25	1.06	758
FRBE001	23	606	1	2.22	30	13	25	21	3.77	<15	1.42	16	26	1.10	957
FRBE002	58	430	1	2.20	30	16	23	13	4.73	<15	1.23	13	24	1.22	847
FRBE003	60	383	2	1.48	45	7	11	8	2.71	<15	1.27	23	25	0.66	764
FRBE004	59	577	2	2.02	54	9	18	12	3.22	<15	1.38	33	27	0.82	854
FRBE005	89	612	2	0.08	22	18	30	32	1.56	<15	2.98	23	74	0.25	243

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PD	SC	SR	TH	TI	V	Y	ZN	ZR
FRBC042	<4	1.80	5	17	638	14	17	251	7	4556	129	19	186	24
FRBC043	<4	1.43	5	18	462	20	18	226	5	5301	176	16	87	20
FRBC044	<4	1.40	5	19	873	24	19	193	8	4900	159	13	94	22
FRBC045	<4	1.58	6	30	491	12	16	285	<2	6392	178	12	86	15
FRBC046	<4	2.84	7	7	408	13	4	343	7	2626	41	5	76	17
FRBC047	<4	1.63	7	21	729	56	15	250	<2	5109	154	13	165	12
FRBC048	<4	1.96	7	14	208	<10	9	300	6	5127	84	14	136	23
FRBC049	<4	2.51	8	6	733	<10	10	376	3	5600	100	15	56	15
FRBD001	<4	1.58	7	17	814	14	20	249	<2	5080	171	13	96	18
FRBD002	<4	1.55	6	18	404	<10	19	229	4	5168	177	17	72	24
FRBD003	<4	1.71	6	21	194	<10	17	234	6	4922	142	20	62	26
FRBD004	<4	2.16	4	20	502	23	20	283	<2	5674	184	19	180	15
FRBD005	<4	1.99	5	15	501	<10	17	260	<2	4322	154	20	111	14
FRBD007	<4	2.42	10	19	804	<10	19	202	3	8064	163	20	79	19
FRBD008	<4	2.49	7	17	596	<10	13	222	5	6465	140	20	60	14
FRBD009	<4	2.18	10	19	984	<10	17	160	8	7618	156	38	93	13
FRBD010	<4	2.90	7	16	523	<10	12	283	2	5718	119	15	167	20
FRBD011	<4	2.62	8	4	1113	<10	10	257	2	6942	155	15	83	12
FRBD012	<4	2.47	6	10	333	<10	16	204	5	4620	155	13	66	16
FRBD013	<4	2.28	5	14	553	<10	16	190	2	6206	205	14	79	13
FRBD014	<4	2.42	5	14	469	<10	17	173	4	5222	207	15	67	17
FRBD015	<4	1.30	6	68	286	17	15	157	9	4220	126	15	56	26
FRBD016	<4	1.14	7	21	566	15	13	143	11	4305	145	15	63	15
FRBD017	<4	1.82	7	5	520	25	10	109	14	2736	85	11	63	21
FRBD018	<4	3.00	7	4	194	67	2	38	6	604	12	15	36	47
FRBD019	<4	2.53	6	11	2267	48	11	143	<2	3851	124	11	655	18
FRBD020	<4	1.67	6	7	510	<10	10	191	7	3998	131	11	65	20
FRBD021	<4	2.71	17	51	2553	<10	17	144	2	7283	197	15	148	19
FRBD022	<4	1.40	4	10	252	<10	18	153	<2	5293	200	13	64	13
FRBD023	<4	1.47	5	13	546	<10	17	178	2	5613	198	15	71	17
FRBD024	<4	1.51	8	14	449	11	16	207	4	4331	168	15	68	21
FRBD025	<4	1.37	6	12	425	13	14	168	4	4771	162	14	79	21
FRBD026	<4	1.37	6	13	322	<10	20	173	<2	4984	177	17	68	23
FRBD027	<4	1.32	6	8	324	11	13	166	<2	5079	159	12	88	22
FRBD028	<4	0.55	12	45	368	14	15	92	<2	5862	159	12	95	13
FRBD029	<4	1.89	4	8	374	11	11	248	3	3257	104	15	60	17
FRBD030	<4	1.49	5	8	885	<10	10	232	4	4264	131	15	80	11
FRBD031	<4	2.52	10	8	334	24	14	214	8	5574	149	17	68	83
FRBD032	<4	1.48	7	11	1192	20	11	198	3	3782	124	12	79	19
FRBD033	<4	1.87	8	12	378	63	15	225	6	3277	124	17	80	17
FRBD034	<4	1.82	6	7	888	14	11	229	10	3055	112	15	56	16
FRBD035	<4	1.39	12	12	1160	32	12	174	3	5001	134	24	98	19
FRBD036	<4	1.65	5	3	704	<10	13	300	<2	4026	157	15	68	17
FRBD037	<4	1.15	7	12	783	<10	12	156	<2	5410	134	20	65	18
FRBD038	<4	1.38	7	20	843	10	17	187	5	5360	188	15	78	20
FRBD039	<4	1.11	4	28	950	38	18	189	<2	4733	184	14	85	25
FRBD040	<4	1.42	5	23	408	11	13	203	3	4280	141	12	61	20
FRBD041	<4	1.54	6	22	650	<10	19	254	<2	7044	277	17	70	13
FRBD042	<4	1.10	8	20	760	23	17	303	2	5068	203	15	67	18
FRBD043	<4	1.55	7	9	251	16	10	196	10	4170	125	11	73	20
FRBE001	<4	1.54	8	14	524	11	13	202	12	3775	126	15	87	23
FRBE002	<4	1.15	10	11	301	<10	16	148	7	4868	151	15	73	24
FRBE003	<4	1.50	12	5	598	14	7	169	12	3195	75	12	57	30
FRBE004	<4	1.46	9	7	433	16	9	193	19	3253	78	14	76	29
FRBE005	<4	0.41	9	19	310	39	4	41	8	2386	41	15	45	46

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEN	COND	ALK	SIZE	WIDE	S-DF	UDJR	CUN1	CUN2	CUN3	FORM
FRBE006	36.724	118.991	07	90480				3	1	1				8	MSZC
FRBE007	36.735	118.925	07	90480				3	1	1				8	MSZC
FRBE008	36.735	118.897	07	90480				3	1	1				8	MSZC
FRBE009	36.707	118.864	07	90480				3	1	1				8	MSZC
FRBE010	36.708	118.861	07	90480				4	1	1				8	MSZC
FRBE011	36.723	118.859	07	90480				3	1	1				8	MSZC
FRBE012	36.727	118.812	07	90480				3	1	1				8	MSZC
FRBE013	36.732	118.773	07	90480				3	1	1				8	MSZC
FRBE014	36.716	118.832	07	90480				3	1	1				8	MSZC
FRBE015	36.672	118.848	07	90480				3	1	1				8	MSZC
FRBE016	36.667	118.826	07	90480				3	1	1				8	MSZC
FRBE017	36.638	118.950	07	90480				3	1	1				8	MSZC
FRBE018	36.609	118.949	07	90480				3	1	1				8	MSZC
FRBE019	36.615	118.973	07	90480				3	1	1				8	MSZC
FRBG001	36.735	118.264	07	81480				4	1	1				2	CTRN
FRBG002	36.709	118.255	07	81480				4	1	1				2	CTRN
FRBG003	36.746	118.292	07	81480				4	1	1				2	CTRN
FRBH001	36.670	118.094	07	81780				4	1	1				6	CTRN
FRBH002	36.694	118.115	07	81780				4	1	1				6	CTRN
FRBH003	36.711	118.132	07	81780				4	1	1				6	CTRN
FRBH004	36.736	118.149	07	81780				4	1	1				6	CTRN
FRBH005	36.738	118.104	07	81780				4	1	1				2	CTRN
FRBH006	36.738	118.062	07	81780				4	1	1				2	CTRN
FRBH007	36.723	118.040	07	81780				4	1	1				5	CTRN
FRBH008	36.701	118.055	07	81780				4	1	1				2	CTRN
FRBH009	36.705	118.027	07	81780				4	1	1				2	CTRN
FRBH010	36.681	118.043	07	81780				4	1	1				6	CTRN
FRBH011	36.662	118.033	07	81780				4	1	1				2	CTRN
FRBH012	36.643	118.025	07	81780				4	1	1				2	CTRN
FRBH013	36.611	118.017	07	81780				4	1	1				2	CTRN
FRBH014	36.616	118.055	07	81780				4	1	1				2	CTRN
FRBH015	36.633	118.075	07	81980				4	1	1				6	CTRN
FRBH016	36.649	118.085	07	81980				4	1	1				6	CTRN
FRBH017	36.723	118.175	07	81980				4	1	1				2	CTRN
FRBH019	36.712	118.237	07	81980				4	1	1				2	CTRN
FRBH020	36.697	118.180	07	81980				4	1	1				2	CTRN
FRBH021	36.683	118.201	07	81980				4	1	1				2	CTRN
FRBH022	36.671	118.224	07	81980				4	1	1				2	CTRN
FRBH023	36.650	118.234	07	81980				4	1	1				2	CTRN
FRBH024	36.667	118.134	07	81980				4	1	1				2	CTRN
FRBH025	36.650	118.157	07	81980				4	1	1				2	CTRN
FRBH026	36.633	118.171	07	81980				4	1	1				2	CTRN
FRBH027	36.596	118.098	07	81980				4	1	1				6	CTRN
FRBH028	36.594	118.142	07	81980				4	1	1				6	CTRN
FRBH029	36.598	118.165	07	81980				4	1	1				2	CTRN
FRBH030	36.604	118.214	07	81980				4	1	1				2	CTRN
FRBH031	36.589	118.236	07	81980				4	1	1				6	CTRN
FRBH032	36.579	118.175	07	81980				4	1	1				6	CTRN
FRBH033	36.586	118.154	07	81980				4	1	1				2	CTRN
FRBH034	36.557	118.178	07	81980				4	1	1				2	CTRN
FRBH035	36.572	118.169	07	81980				4	1	1				2	CTRN
FRBH036	36.554	118.148	07	81980				4	1	1				2	CTRN
FRBH037	36.579	118.056	07	82080				4	1	1				2	CTRN
FRBH038	36.575	118.020	07	82080				4	1	1				2	CTRN
FRBH039	36.545	118.026	07	82080				4	1	1				2	CTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-F	U-NT	AG	AL
FRBE006	10		62.00	04	1	1	3	2	2	NJ1110		7.00	<2	9.87
FRBE007	10		72.00	04	1	1	2	2	2	NJ1110		8.20	<2	9.93
FRBE008	10		62.00	04	1	1	2	2	2	NJ1110		7.50	<2	7.70
FRBE009	10		82.00	04	1	1	3	2	2	NJ1110		4.60	<2	9.65
FRBE010	10		85.00	04	1	1	1	2	2	NJ1110		8.10	<2	8.75
FRBE011	10		68.00	04	1	1	3	2	2	NJ1110		8.70	<2	7.67
FRBE012	10		76.00	04	1	1	2	2	2	NJ1110		9.40	<2	8.94
FRBE013	10		135.00	04	1	1	3	2	2	NJ1110		20.50	<2	7.51
FRBE014	10		68.00	04	1	1	1	2	2	NJ1110		11.80	<2	7.86
FRBE015	10		77.00	04	1	1	3	2	2	NJ1110		10.30	<2	8.58
FRBE015	10		80.00	04	1	1	2	2	2	NJ1110		7.90	<2	9.42
FRBE017	10		43.00	04	1	1	2	2	2	NJ1110		6.20	<2	8.83
FRBE018	10		40.00	04	1	1	3	4	2	NJ1110		4.50	<2	9.99
FRBE019	10		39.00	04	1	1	3	2	2	NJ1110		3.80	<2	9.60
FRBG001	10		42.00	01	1	1	1	3	1	NJ1110		7.20	<2	7.63
FRBG002	10		43.00	01	1	1	1	3	1	NJ1110		7.20	<2	7.49
FRBG003	10		30.00	01	1	1	2	2	1	NJ1110		6.10	<2	7.16
FRBH001	10		41.00	01	1	1	1	3	1	NJ1110		8.00	<2	6.48
FRBH002	10		50.00	01	1	1	1	3	1	NJ1110		10.00	<2	7.11
FRBH003	10		40.00	01	1	1	1	3	1	NJ1110		11.50	<2	7.08
FRBH004	10		33.00	01	1	1	1	3	1	NJ1110		6.20	<2	6.77
FRBH005	10		40.00	01	1	1	1	3	1	NJ1110		6.30	<2	6.95
FRBH006	10		39.00	01	1	1	1	3	1	NJ1110		5.80	<2	6.38
FRBH007	10		35.00	01	1	1	1	3	1	NJ1110		4.70	<2	5.90
FRBH008	10		39.00	01	1	1	2	3	1	NJ1110		6.50	<2	5.91
FRBH009	10		29.00	01	1	1	2	3	1	NJ1110		4.30	<2	5.82
FRBH010	10		33.00	01	1	1	1	3	1	NJ1110		4.30	<2	6.21
FRBH011	10		39.00	01	1	1	1	3	1	NJ1110		5.60	<2	6.29
FRBH012	10		31.00	01	1	1	1	3	1	NJ1110		4.80	<2	6.69
FRBH013	10		39.00	01	1	1	1	3	1	NJ1110		4.60	<2	6.73
FRBH014	10		47.00	01	1	1	1	3	1	NJ1110		10.90	<2	6.29
FRBH015	10		47.00	01	1	1	1	3	1	NJ1110		6.10	<2	6.89
FRBH016	10		41.00	01	1	1	1	3	1	NJ1110		5.20	<2	6.91
FRBH017	10		61.00	01	1	1	1	3	1	NJ1110		6.00	<2	7.41
FRBH019	10		59.00	01	1	1	1	3	1	NJ1110		6.30	<2	7.21
FRBH020	10		57.00	01	1	1	1	3	1	NJ1110		6.60	<2	7.95
FRBH021	10		55.00	01	1	1	1	3	1	NJ1110		6.60	<2	7.73
FRBH022	10		55.00	01	1	1	1	3	1	NJ1110		6.50	<2	7.83
FRBH023	10		55.00	01	1	1	1	2	1	NJ1110		8.60	<2	7.95
FRBH024	10		57.00	01	1	1	1	3	1	NJ1110		10.20	<2	7.39
FRBH025	10		57.00	01	1	1	1	3	1	NJ1110		9.50	<2	7.06
FRBH026	10		57.00	01	1	1	1	3	1	NJ1110		14.60	<2	7.50
FRBH027	10		46.00	01	1	1	1	3	1	NJ1110		14.90	<2	7.99
FRBH028	10		46.00	01	1	1	1	3	1	NJ1110		8.70	<2	7.69
FRBH029	10		46.00	01	1	1	1	3	1	NJ1110		11.00	<2	7.63
FRBH030	10		50.00	04	1	1	2	2	1	NJ1110		19.70	<2	8.09
FRBH031	10		45.00	04	1	1	2	2	1	NJ1110		13.10	<2	7.46
FRBH032	10		50.00	01	1	1	1	3	1	NJ1110		20.60	<2	7.28
FRBH033	10		65.00	01	1	1	1	3	1	NJ1110		12.00	<2	8.19
FRBH034	10		66.00	04	1	1	2	3	1	NJ1110		13.40	<2	8.27
FRBH035	10		42.00	01	1	1	1	3	1	NJ1110		8.20	<2	8.33
FRBH035	10		50.00	01	1	1	1	3	1	NJ1110		16.80	<2	8.10
FRBH037	10		48.00	01	1	1	1	3	1	NJ1110		21.60	<2	6.94
FRBH038	10		44.00	01	1	1	1	3	1	NJ1110		6.40	<2	7.34
FRBH039	10		44.00	01	1	1	1	3	1	NJ1110		5.60	<2	7.19

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMP_E	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRBE006	60	385	5	0.71	<10	<4	1	<2	1.37	<15	1.47	3	53	0.22	302
FRBE007	55	582	3	2.11	80	12	13	13	4.76	<15	1.32	35	41	1.20	960
FRBE008	59	597	2	1.59	52	7	11	11	3.05	<15	1.31	25	33	0.66	876
FRBE009	54	557	2	2.61	45	6	5	4	2.23	<15	1.34	25	20	0.58	419
FRBE010	63	449	2	1.05	63	5	10	8	2.44	<15	1.63	37	47	0.55	877
FRBE011	61	325	2	0.91	65	4	12	9	1.83	<15	1.42	32	34	0.38	879
FRBE012	54	454	2	1.46	66	7	9	7	2.82	<15	1.33	37	47	0.70	766
FRBE013	55	410	3	1.27	40	5	9	8	2.16	<15	1.52	19	32	0.47	474
FRBE014	60	435	3	1.19	36	<4	6	18	1.79	<15	1.92	21	31	0.35	611
FRBE015	56	764	2	1.73	75	<4	3	10	1.49	<15	1.50	40	25	0.30	573
FRBE016	25	556	3	0.85	57	<4	9	8	1.79	<15	2.45	27	41	0.31	1234
FRBE017	22	483	2	2.38	71	14	20	14	4.68	<15	1.17	40	48	1.23	841
FRBE018	23	305	1	3.79	48	16	12	31	5.84	<15	0.79	24	18	1.69	984
FRBE019	23	487	1	3.42	40	16	28	28	5.02	<15	1.19	13	22	1.55	893
FRBG001	17	727	2	2.08	133	6	6	13	3.63	<15	2.22	74	22	0.84	1113
FRBG002	17	588	3	1.64	109	5	13	9	3.17	<15	1.90	53	21	0.72	985
FRBG003	17	526	2	2.33	94	12	9	20	5.11	<15	1.65	43	28	1.20	1244
FRBH001	34	649	2	2.50	76	7	23	22	3.23	<15	1.97	43	36	0.86	634
FRBH002	27	603	2	2.92	83	9	14	24	3.57	<15	2.16	43	48	1.19	669
FRBH003	20	555	2	1.78	127	4	6	13	2.88	<15	2.35	69	22	0.67	790
FRBH004	27	647	2	2.14	110	5	9	15	3.15	<15	2.30	59	23	0.85	835
FRBH005	64	805	2	2.88	48	8	23	28	2.72	<15	2.35	23	69	1.12	825
FRBH006	49	657	2	4.11	76	12	33	45	3.58	<15	1.70	42	40	1.40	779
FRBH007	49	878	2	4.73	58	9	30	33	2.69	<15	1.61	32	41	1.61	723
FRBH008	74	736	2	5.63	73	10	48	29	4.25	<15	1.68	42	23	1.13	700
FRBH009	61	701	2	6.21	53	9	53	34	2.70	<15	1.64	29	49	1.45	558
FRBH010	52	711	2	4.74	56	8	30	28	2.60	<15	1.77	33	24	0.92	527
FRBH011	49	677	2	3.27	59	6	25	17	2.54	<15	1.77	31	30	0.85	590
FRBH012	34	688	2	2.63	59	7	19	19	2.35	<15	2.04	31	34	0.83	661
FRBH013	31	690	2	2.13	61	5	19	9	2.01	<15	1.89	32	24	0.73	526
FRBH014	49	552	2	2.73	66	4	12	58	2.18	<15	2.01	39	48	0.85	542
FRBH015	15	709	2	2.36	74	5	15	13	2.38	<15	1.64	39	26	0.70	552
FRBH016	328	732	2	2.64	49	5	14	12	2.54	<15	1.87	29	80	0.72	589
FRBH017	<10	671	2	1.51	97	5	10	11	3.36	<15	2.09	53	35	0.84	954
FRBH019	<10	659	2	1.79	105	6	11	12	3.51	<15	2.12	53	29	0.82	1066
FRBH020	10	641	2	1.80	107	6	11	14	3.18	<15	2.36	61	36	0.80	920
FRBH021	<10	683	2	1.87	116	6	10	11	3.38	<15	2.04	64	27	0.77	1003
FRBH022	<10	407	3	2.26	130	6	10	6	3.26	<15	1.43	65	23	0.95	1384
FRBH023	<10	481	3	2.07	135	7	10	12	4.00	<15	1.71	73	33	0.90	1296
FRBH024	37	644	2	2.83	71	6	17	15	3.17	<15	2.02	39	44	1.18	850
FRBH025	21	557	1	3.09	70	11	14	19	4.19	<15	1.92	43	41	1.41	837
FRBH026	10	571	1	2.93	88	11	18	19	5.40	<15	1.91	53	36	1.27	860
FRBH027	<10	523	2	2.49	130	6	11	11	3.86	27	1.84	73	31	0.75	692
FRBH028	13	527	2	2.37	98	8	10	14	3.67	<15	1.94	53	41	0.92	771
FRBH029	<10	465	2	2.35	117	9	12	18	5.12	<15	1.70	67	39	0.84	763
FRBH030	<10	564	1	3.65	78	17	15	41	4.83	<15	1.60	43	35	1.80	964
FRBH031	<10	452	2	2.04	108	5	5	15	3.99	<15	1.66	63	27	0.51	491
FRBH032	12	434	1	2.24	80	16	17	33	4.99	<15	1.95	43	55	1.81	1012
FRBH033	12	530	2	2.56	96	10	14	16	4.30	<15	1.96	53	41	1.10	847
FRBH034	11	454	2	2.44	95	11	11	21	4.08	<15	2.07	53	53	1.16	979
FRBH035	<10	536	2	2.24	103	5	8	9	3.30	<15	1.93	53	27	0.55	500
FRBH036	14	512	2	2.41	120	11	11	33	4.01	<15	1.73	66	49	1.10	922
FRBH037	28	586	2	2.72	90	7	14	28	4.95	<15	1.99	53	52	0.92	777
FRBH038	21	848	2	3.01	62	7	20	16	2.48	<15	1.92	38	47	0.89	576
FRBH039	29	864	2	2.21	58	6	21	14	2.21	<15	1.77	33	42	0.89	548

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PH	SC	SP	TH	TI	V	W	ZH	ZK
FRBE006	<4	2.00	8	2	118	18	2	145	<2	1403	23	5	45	51
FRBE007	<4	1.44	15	7	768	<10	16	195	16	4997	140	29	89	29
FRBE008	<4	1.56	10	8	2073	16	8	230	14	3476	73	12	72	56
FRBE009	<4	2.57	8	<2	703	11	5	331	4	2828	65	11	44	18
FRBE010	<4	2.16	10	8	927	16	6	182	9	2939	52	10	72	58
FRBE011	<4	1.96	12	10	913	19	4	128	23	2308	44	9	55	77
FRBE012	<4	1.69	13	6	683	22	9	193	17	3390	77	15	69	48
FRBE013	<4	1.56	15	6	445	21	6	176	16	2601	60	7	50	57
FRBE014	<4	2.39	11	5	1073	26	4	191	16	2210	37	9	65	82
FRBE015	<4	2.26	7	2	1527	27	6	301	10	2795	33	13	54	35
FRBE016	<4	1.99	14	8	710	25	4	140	14	1845	35	11	58	85
FRBE017	<4	1.40	14	9	507	16	15	190	14	4906	125	21	85	32
FRBE018	<4	1.31	8	8	1517	14	26	214	9	4680	219	33	79	16
FRBE019	<4	1.58	8	10	892	11	20	223	6	4953	196	26	81	19
FRBG001	<4	2.52	24	4	1501	18	10	279	18	5701	97	36	93	28
FRBG002	<4	2.47	26	5	573	11	7	229	24	4226	74	27	65	26
FRBG003	<4	1.96	22	6	1543	18	12	285	12	6493	160	23	112	22
FRBH001	<4	1.56	18	11	1033	128	7	445	19	3500	103	19	68	42
FRBH002	<4	2.16	16	11	1638	179	9	407	45	4492	123	15	103	31
FRBH003	7	2.57	29	6	912	79	7	266	21	4072	77	31	58	29
FRBH004	<4	2.38	22	6	1337	118	8	272	9	4208	86	27	66	20
FRBH005	<4	2.14	13	14	734	12	7	317	14	2715	86	15	65	44
FRBH006	<4	1.53	19	18	1302	67	9	409	13	3632	124	19	128	38
FRBH007	<4	1.29	13	18	1227	132	7	327	12	2659	100	17	304	43
FRBH008	4	1.57	19	19	1257	31	7	447	13	3226	153	19	149	38
FRBH009	4	2.57	12	30	1189	27	8	393	10	2374	129	17	131	48
FRBH010	4	1.56	15	18	545	23	6	430	10	2515	91	17	82	47
FRBH011	<4	1.70	17	13	676	44	7	361	10	2759	87	17	66	46
FRBH012	<4	1.82	14	8	695	21	7	328	16	2514	80	15	60	38
FRBH013	<4	1.53	15	8	766	16	7	331	10	2670	71	17	44	39
FRBH014	6	2.03	15	4	1399	131	6	402	16	3223	74	14	211	31
FRBH015	<4	2.20	16	5	570	44	6	384	13	3083	63	15	47	39
FRBH016	<4	3.20	12	5	908	26	7	561	4	3185	72	15	48	36
FRBH017	<4	2.57	19	9	1360	<10	7	274	26	4003	74	25	76	35
FRBH019	<4	2.60	21	5	1244	20	7	242	22	4507	77	27	101	36
FRBH020	<4	2.78	22	8	1146	<10	7	272	20	3841	67	23	66	34
FRBH021	<4	2.60	25	9	1131	<10	7	270	21	4350	69	36	65	33
FRBH022	<4	2.54	33	6	1295	<10	8	290	22	5095	63	44	77	27
FRBH023	<4	2.73	34	7	1224	26	8	292	20	5160	78	46	95	35
FRBH024	<4	2.45	15	8	1125	20	7	431	12	3686	76	19	63	36
FRBH025	<4	2.01	12	10	1816	<10	9	420	25	5205	117	15	88	29
FRBH026	<4	2.38	15	10	1826	13	10	418	36	5595	150	19	81	40
FRBH027	<4	2.78	24	7	1376	70	7	423	43	5902	94	25	68	45
FRBH028	<4	2.54	17	8	1705	39	7	423	22	5172	94	15	80	34
FRBH029	<4	2.32	20	9	1561	72	7	405	32	5805	130	17	104	36
FRBH030	4	1.99	12	17	3172	<10	12	462	63	7254	146	14	99	18
FRBH031	<4	2.24	15	3	1305	11	5	435	29	4895	98	15	57	27
FRBH032	<4	1.53	14	14	2010	10	12	342	36	6453	143	17	121	26
FRBH033	<4	2.66	17	9	1455	<10	9	406	34	5593	114	13	50	40
FRBH034	<4	2.54	18	10	1738	25	9	393	36	5893	105	15	113	35
FRBH035	<4	3.04	17	5	1324	21	5	494	32	4713	83	15	62	39
FRBH036	<4	2.39	20	10	1598	20	9	420	35	4878	104	15	117	37
FRBH037	<4	2.65	16	5	1511	168	5	420	23	4255	104	15	164	34
FRBH038	<4	2.23	13	10	638	28	7	398	14	2901	63	15	69	44
FRBH039	<4	2.25	13	11	672	<10	7	381	14	3250	66	15	53	49

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LCNG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-DE	WDR	CUN1	CON2	CUN3	FORM
FRBH040	36.543	118.064	07	82080				4	1	1				6	CTRN
FRBH041	36.546	118.097	07	82080				4	1	1				2	CTRN
FRBH042	36.529	118.135	07	82080				4	1	1				2	CTRN
FRBH043	36.519	118.102	07	82080				4	1	1				6	CTRN
FRBH044	36.526	118.044	07	82080				4	1	1				6	CTRN
FRBH045	36.512	118.033	07	82080				4	1	1				2	CTRN
FRCA001	36.327	119.779	07	81380				3	1	1				7	CTRN
FRCA002	36.356	119.806	07	81380				3	1	1				7	CTRN
FRCA003	36.357	119.780	07	81380				4	1	1				7	CTRN
FRCA004	36.289	119.780	07	81380				3	1	1				7	CTRN
FRCA005	36.263	119.780	07	81380				3	1	1				7	CTRN
FRCA006	36.265	119.844	07	81380				4	1	1				2	CTRN
FRCA007	36.270	119.806	07	81380				3	1	1				7	CTRN
FRCA008	36.301	119.809	07	81380				4	1	1				7	CTRN
FRCA009	36.302	119.843	07	81380				4	1	1				7	CTRN
FRCA010	36.321	119.808	07	81380				4	1	1				7	CTRN
FRCA011	36.328	119.850	07	81380				4	1	1				7	CTRN
FRCA012	36.359	119.849	07	81380				4	1	1				7	CTRN
FRCA013	36.384	119.808	07	81480				3	1	1				1	CTRN
FRCA014	36.417	119.773	07	81480				3	1	1				7	CTRN
FRCA015	36.395	119.769	07	81480				3	1	1				7	CTRN
FRCA016	36.445	119.772	07	81480				3	1	1				7	CTRN
FRCA017	36.483	119.760	07	81480				3	1	1				7	CTRN
FRCA018	36.489	119.810	07	81480				3	1	1				7	CTRN
FRCA019	36.452	119.819	07	81480				3	1	1				7	CTRN
FRCA020	36.424	119.816	07	81480				3	1	1				7	CTRN
FRCA021	36.392	119.850	07	81480				3	1	1				7	CTRN
FRCA022	36.422	119.850	07	81480				3	1	1				7	CTRN
FRCA023	36.452	119.850	07	81480				4	1	1				7	CTRN
FRCA024	36.481	119.850	07	81480				3	1	1				7	CTRN
FRCA025	36.489	119.900	07	81480				3	1	1				7	CTRN
FRCA026	36.489	119.936	07	81480				3	1	1				7	CTRN
FRCA027	36.489	119.978	07	81480				4	1	1				7	CTRN
FRCA028	36.458	119.965	07	81480				3	1	1				7	CTRN
FRCA029	36.453	119.940	07	81480				4	1	1				7	CTRN
FRCA030	36.424	119.939	07	81480				4	1	1				2	CTRN
FRCA031	36.421	119.977	07	81480				4	1	1				7	CTRN
FRCA032	36.394	119.976	07	81480				4	1	1				7	CTRN
FRCA033	36.386	119.929	07	81480				4	1	1				7	CTRN
FRCA034	36.395	119.855	07	81480				4	1	1				7	CTRN
FRCA035	36.418	119.865	07	81480				3	1	1				7	CTRN
FRCA036	36.445	119.856	07	81480				4	1	1				7	CTRN
FRCA037	36.359	119.867	07	81480				4	1	1				7	CTRN
FRCA038	36.328	119.866	07	81480				4	1	1				7	CTRN
FRCA039	36.357	119.940	07	81480				4	1	1				7	CTRN
FRCA040	36.328	119.949	07	81480				4	1	1				7	CTRN
FRCA041	36.308	119.948	07	81480				4	1	1				7	CTRN
FRCA042	36.299	119.904	07	81480				4	1	1				7	CTRN
FRCA043	36.270	119.904	07	81480				4	1	1				7	CTRN
FRCA044	36.257	119.931	07	81480				4	1	1				7	CTRN
FRCA045	36.256	119.976	07	81480				4	1	1				7	CTRN
FRCA046	36.299	119.953	07	81480				4	1	1				7	CTRN
FRCB001	36.338	119.658	07	81280				3	1	1				1	CTRN
FRCB002	36.329	119.651	07	81280				3	1	1				7	CTRN
FRCB003	36.299	119.651	07	81280				3	1	1				7	CTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-F	U-HT	AG	AL
FRB040	10		55.00	01	1	1	1	3	1	NJ1110		6.00	<2	6.81
FRB041	10		55.00	01	1	1	1	3	1	NJ1110		11.00	<2	7.29
FRB042	10		46.00	01	1	1	2	3	1	NJ1110		10.10	<2	7.99
FRB043	10		48.00	01	1	1	1	3	1	NJ1110		7.00	<2	6.42
FRB044	10		41.00	01	1	1	1	3	1	NJ1110		8.60	<2	7.20
FRB045	10		32.00	01	1	1	1	3	1	NJ1110		6.00	<2	7.61
FRCA001	10		94.00	10	1	1	1	1	1	NJ1110		6.00	<2	6.85
FRCA002	10		86.00	10	1	1	1	1	3	NJ1110		9.10	<2	6.92
FRCA003	10		90.00	10	1	1	1	1	3	NJ1110		8.20	<2	7.32
FRCA004	10		94.00	10	1	1	1	1	1	NJ1110		12.40	<2	7.78
FRCA005	10		96.00	10	1	1	1	1	3	NJ1110		5.80	<2	6.85
FRCA006	10		50.00	10	1	1	1	4	1	NJ1110		6.00	<2	6.38
FRCA007	10		100.00	10	1	1	1	4	1	NJ1110		6.40	<2	7.91
FRCA008	10		98.00	10	1	1	1	4	2	NJ1110		6.50	<2	7.60
FRCA009	10		100.00	10	1	1	1	1	3	NJ1110		8.50	<2	5.75
FRCA010	10		94.00	10	1	1	1	4	2	NJ1110		7.00	<2	6.68
FRCA011	10		92.00	10	1	1	1	1	3	NJ1110		7.00	<2	6.15
FRCA012	10		110.00	10	1	1	1	1	3	NJ1110		14.60	<2	7.23
FRCA013	10		100.00	10	1	1	1	4	2	NJ1110		4.20	<2	6.70
FRCA014	10		96.00	10	1	1	1	1	3	NJ1110		6.00	<2	5.93
FRCA015	10		190.00	10	1	1	1	1	1	NJ1110		14.90	<2	6.61
FRCA016	10		190.00	10	1	1	1	4	3	NJ1110		5.50	<2	5.66
FRCA017	10		120.00	10	1	1	1	1	3	NJ1110		5.90	<2	5.47
FRCA018	10		130.00	10	1	1	1	1	3	NJ1110		4.90	<2	6.64
FRCA019	10		120.00	10	1	1	1	4	1	NJ1110		7.70	<2	7.72
FRCA020	10		120.00	10	1	1	1	1	3	NJ1110		9.70	<2	7.57
FRCA021	10		100.00	10	1	1	1	1	2	NJ1110		5.00	<2	7.74
FRCA022	10		100.00	10	1	1	1	1	3	NJ1110		6.90	<2	7.37
FRCA023	10		100.00	10	1	1	1	1	3	NJ1110		5.50	<2	7.08
FRCA024	10		130.00	10	1	1	1	1	3	NJ1110		8.60	<2	7.12
FRCA025	10		130.00	10	1	1	1	1	3	NJ1110		4.80	<2	6.93
FRCA026	10		120.00	10	1	1	1	1	2	NJ1110		5.70	<2	7.13
FRCA027	10		140.00	10	1	1	1	1	3	NJ1110		7.80	<2	6.09
FRCA028	10		120.00	10	1	1	1	1	1	NJ1110		6.50	<2	6.93
FRCA029	10		140.00	10	1	1	1	1	1	NJ1110		15.70	<2	7.25
FRCA030	10		120.00	10	1	1	1	4	2	NJ1110		3.70	<2	6.88
FRCA031	10		66.00	10	1	1	1	1	3	NJ1110		7.20	<2	6.36
FRCA032	10		76.00	10	1	1	1	1	1	NJ1110		2.20	<2	6.56
FRCA033	10		76.00	10	1	1	1	1	1	NJ1110		2.20	<2	5.77
FRCA034	10		80.00	10	1	1	1	4	1	NJ1110		5.10	<2	6.89
FRCA035	10		110.00	10	1	1	1	1	3	NJ1110		5.40	<2	6.51
FRCA036	10		140.00	10	1	1	1	1	1	NJ1110		12.10	<2	6.42
FRCA037	10		100.00	10	1	1	1	1	3	NJ1110		3.00	<2	6.93
FRCA038	10		100.00	10	1	1	1	1	1	NJ1110		6.30	<2	6.55
FRCA039	10		70.00	10	1	1	1	4	3	NJ1110		2.40	<2	6.91
FRCA040	10		80.00	10	1	1	1	1	3	NJ1110		2.20	<2	6.76
FRCA041	10		75.00	10	1	1	1	1	3	NJ1110		2.30	<2	6.92
FRCA042	10		75.00	10	1	1	1	1	3	NJ1110		2.10	<2	6.85
FRCA043	10		75.00	10	1	1	1	1	3	NJ1110		2.10	<2	7.09
FRCA044	10		72.00	10	1	1	1	1	3	NJ1110		2.10	<2	6.75
FRCA045	10		72.00	10	1	1	1	1	1	NJ1110		2.30	<2	6.95
FRCA046	10		74.00	10	1	1	1	1	3	NJ1110		2.40	<2	7.13
FRCB001	10		135.00	10	1	1	1	4	3	NJ1110		6.30	<2	7.54
FRCB002	10		115.00	10	1	1	1	1	1	NJ1110		7.20	<2	7.24
FRCB003	10		115.00	10	1	1	1	4	2	NJ1110		6.00	<2	7.57

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CK	CU	FE	HF	K	LA	LI	MG	MN
FRBH040	24	581	2	2.32	71	5	14	20	2.64	<15	1.70	41	38	0.87	701
FRBH041	17	581	2	1.77	79	9	19	24	3.51	<15	1.81	44	51	0.90	765
FRBH042	12	501	2	2.56	93	12	14	40	3.95	<15	1.88	52	50	1.41	1119
FRBH043	15	485	2	1.53	73	6	9	20	2.65	<15	1.64	42	38	0.65	669
FRBH044	16	609	2	1.58	93	5	5	25	2.65	<15	1.82	51	43	0.53	513
FRBH045	19	629	2	2.15	87	5	13	16	2.95	<15	1.89	49	56	0.85	552
FRCA001	<10	576	1	2.51	36	10	38	13	3.26	<15	1.46	17	29	1.20	672
FRCA002	<10	589	1	2.24	33	9	42	14	3.10	<15	1.31	20	28	1.10	602
FRCA003	10	605	1	2.28	37	10	42	13	3.41	<15	1.46	21	31	1.17	657
FRCA004	20	669	1	2.75	41	11	50	17	3.67	<15	1.62	22	37	1.43	713
FRCA005	17	582	1	2.31	37	10	42	13	3.20	<15	1.53	19	30	1.21	645
FRCA006	23	537	1	2.08	40	10	40	15	3.09	<15	1.17	29	37	1.13	468
FRCA007	22	662	1	2.56	39	10	50	19	3.51	<15	1.64	22	34	1.36	698
FRCA008	18	637	1	2.40	48	11	47	19	3.41	<15	1.38	29	32	1.28	616
FRCA009	28	532	1	3.31	33	6	27	13	2.12	<15	1.41	19	29	1.19	484
FRCA010	32	587	1	3.59	36	8	35	13	2.78	<15	1.72	19	27	1.42	633
FRCA011	37	533	1	2.45	39	8	33	14	2.64	<15	1.28	20	28	1.24	513
FRCA012	12	621	1	2.89	38	9	44	14	3.09	19	1.50	21	29	1.28	658
FRCA013	<10	560	1	2.49	29	8	39	10	3.03	<15	1.29	17	22	1.10	622
FRCA014	<10	524	1	1.53	25	6	28	11	2.46	<15	1.52	19	23	0.37	499
FRCA015	<10	562	1	2.15	39	10	44	16	3.08	<15	1.35	21	29	1.11	639
FRCA016	10	537	1	1.76	46	6	23	8	2.65	<15	1.60	23	20	0.66	483
FRCA017	10	543	1	1.67	39	4	18	8	2.26	<15	1.64	23	20	0.60	445
FRCA018	11	660	1	2.01	45	4	15	6	2.41	<15	1.73	20	16	0.57	436
FRCA019	11	710	1	2.25	55	9	37	14	3.32	<15	1.80	29	31	1.05	618
FRCA020	<10	657	1	1.63	49	10	44	17	3.18	<15	1.51	27	33	1.04	604
FRCA021	<10	620	1	2.49	37	10	43	12	3.56	<15	1.48	21	25	1.26	735
FRCA022	<10	620	1	2.33	37	10	35	17	3.31	17	1.46	29	30	1.16	647
FRCA023	22	665	1	2.20	42	7	30	13	2.41	<15	1.81	24	29	0.89	495
FRCA024	<10	679	1	2.00	55	5	17	6	2.76	<15	1.89	29	13	0.60	491
FRCA025	<10	681	1	2.07	53	4	19	9	2.71	<15	1.76	23	13	0.53	454
FRCA026	<10	701	1	2.01	48	4	18	4	1.92	<15	1.83	20	13	0.53	394
FRCA027	22	623	1	1.86	46	5	19	11	1.86	<15	1.80	29	23	0.68	400
FRCA028	14	657	1	2.00	52	7	29	14	2.98	<15	1.60	29	26	0.84	516
FRCA029	23	704	1	1.79	40	8	35	16	2.41	<15	1.54	21	32	0.88	406
FRCA030	16	628	1	1.88	39	8	28	22	2.50	<15	1.54	21	29	0.86	526
FRCA031	41	542	1	1.49	34	11	66	27	3.03	<15	1.25	17	34	1.11	392
FRCA032	45	577	1	1.27	24	12	76	26	3.01	<15	1.34	12	38	1.52	505
FRCA033	29	521	1	1.38	23	11	76	21	2.52	<15	1.33	14	32	1.37	405
FRCA034	12	602	1	2.15	46	9	38	12	2.79	<15	1.49	24	24	1.00	582
FRCA035	15	580	1	2.47	45	7	30	18	2.29	<15	1.53	29	18	0.76	499
FRCA036	17	565	1	1.68	48	9	39	21	2.56	<15	1.43	29	36	0.90	449
FRCA037	21	599	1	2.68	38	7	36	14	2.75	<15	1.62	29	30	1.18	582
FRCA038	24	560	1	2.15	47	12	49	21	3.09	<15	1.29	21	39	1.41	551
FRCA039	42	591	1	1.45	33	15	111	30	3.76	<15	1.34	10	39	1.70	570
FRCA040	58	602	1	1.34	36	16	112	32	3.55	<15	1.21	19	40	1.84	562
FRCA041	52	601	1	1.48	28	16	114	34	3.61	19	1.32	14	45	1.94	526
FRCA042	62	616	1	1.51	38	14	105	31	3.37	<15	1.37	17	42	1.70	523
FRCA043	53	628	1	1.36	41	17	111	37	3.70	<15	1.39	19	45	1.90	551
FRCA044	47	648	1	1.51	33	13	103	28	3.23	<15	1.15	19	34	1.60	467
FRCA045	43	581	1	1.52	36	17	117	35	3.74	<15	1.17	17	43	1.90	509
FRCA046	40	616	1	1.72	33	17	125	36	3.82	<15	1.28	19	50	1.97	516
FRCB001	<10	660	1	2.66	54	13	56	18	3.55	<15	1.42	29	31	1.36	727
FRCB002	<10	632	1	2.84	50	13	59	20	3.65	<15	1.39	29	30	1.28	747
FRCB003	<10	646	1	2.67	56	13	55	17	2.63	22	1.45	29	30	1.34	769

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
FRBH040	<4	2.28	16	7	1613	13	6	352	17	3753	61	15	74	31
FRBH041	<4	2.09	16	14	1021	<10	7	329	26	5486	89	15	65	43
FRBH042	<4	2.48	19	10	2031	12	10	358	24	5644	95	20	103	30
FRBH043	<4	2.31	17	9	922	<10	5	295	17	4476	58	15	63	31
FRBH044	<4	2.75	16	2	1328	53	4	442	12	4505	62	15	75	26
FRBH045	<4	2.70	16	9	1049	24	5	432	11	4226	72	15	67	31
FRCA001	<4	1.99	10	29	783	43	9	283	12	4467	86	15	74	22
FRCA002	<4	1.84	9	35	644	30	9	273	5	4104	84	15	71	21
FRCA003	<4	2.00	10	33	711	15	10	280	10	4498	91	14	71	22
FRCA004	5	2.50	11	42	1053	51	10	320	4	4283	94	14	94	23
FRCA005	5	1.97	11	35	1039	14	9	274	7	4234	82	15	73	21
FRCA006	<4	1.59	9	36	423	12	9	244	9	3783	95	12	61	19
FRCA007	<4	2.14	10	44	1022	38	10	309	7	4432	92	15	90	25
FRCA008	<4	1.73	10	41	625	20	9	235	14	4154	87	14	79	23
FRCA009	<4	1.80	9	25	858	10	6	356	7	2883	59	15	54	19
FRCA010	5	2.80	10	31	553	15	8	413	5	3642	76	15	67	23
FRCA011	4	2.33	9	31	697	22	7	345	10	3370	78	11	65	21
FRCA012	<4	2.11	11	34	123	10	9	306	8	4131	83	14	75	23
FRCA013	<4	1.94	8	25	638	15	9	287	9	4165	84	12	61	20
FRCA014	<4	1.55	9	22	840	17	7	246	5	3697	66	11	55	21
FRCA015	<4	1.74	10	38	658	10	8	251	6	4063	82	15	67	24
FRCA016	<4	1.97	12	16	715	12	6	261	9	3431	71	13	47	26
FRCA017	<4	1.94	10	10	615	<10	5	268	14	2983	58	11	45	25
FRCA018	<4	2.25	11	7	567	<10	5	338	2	2953	60	12	41	24
FRCA019	<4	2.11	10	30	866	30	8	316	12	3696	82	15	74	28
FRCA020	<4	1.81	10	42	659	23	8	270	11	3805	84	14	67	28
FRCA021	<4	2.20	11	26	606	12	11	319	9	4904	100	15	77	26
FRCA022	<4	2.09	10	25	514	32	10	294	8	4473	88	14	96	21
FRCA023	4	3.03	9	26	944	17	7	313	7	3303	65	12	62	22
FRCA024	<4	2.48	13	11	486	17	6	341	8	3173	68	15	41	25
FRCA025	<4	2.36	12	7	523	16	5	352	8	3005	67	15	50	27
FRCA026	<4	2.48	10	8	351	14	5	356	11	3040	55	15	36	26
FRCA027	<4	2.00	10	16	732	<10	5	305	14	2909	58	11	50	21
FRCA028	<4	2.03	11	27	954	<10	7	311	10	3405	79	15	59	23
FRCA029	<4	1.93	8	33	621	14	7	279	5	3049	71	11	65	19
FRCA030	<4	2.10	8	31	631	12	7	321	10	3164	69	12	66	18
FRCA031	<4	1.37	7	61	599	<10	9	223	4	3095	94	11	76	36
FRCA032	<4	1.54	4	79	608	<10	9	244	3	3030	88	10	66	43
FRCA033	<4	1.55	4	84	631	<10	7	233	<2	2802	75	9	53	39
FRCA034	<4	2.02	10	27	763	15	8	293	9	3552	76	14	61	24
FRCA035	<4	2.18	10	17	1304	41	7	307	17	3296	65	14	121	24
FRCA036	<4	1.60	9	38	936	20	7	237	18	3174	76	12	70	23
FRCA037	<4	2.09	9	31	842	13	7	351	6	3463	74	12	61	22
FRCA038	<4	1.54	9	44	564	14	8	289	3	3466	90	12	75	24
FRCA039	<4	1.45	7	115	549	16	10	240	5	3540	113	11	79	54
FRCA040	<4	1.31	7	111	569	<10	11	240	7	3223	113	22	79	52
FRCA041	<4	1.53	6	118	582	<10	11	261	2	3308	114	12	77	54
FRCA042	<4	1.60	7	99	599	<10	11	260	6	3321	112	12	75	50
FRCA043	<4	1.40	7	107	776	14	12	247	13	3338	120	25	96	55
FRCA044	<4	1.45	6	85	486	12	10	279	8	3199	107	12	69	48
FRCA045	<4	1.24	7	120	457	17	12	254	6	3307	121	15	81	55
FRCA046	<4	1.45	6	124	530	12	12	261	9	3407	123	15	81	56
FRCB001	<4	1.86	12	42	789	12	11	311	17	4291	100	15	64	26
FRCB002	<4	1.75	12	44	750	40	11	295	15	4265	102	15	103	26
FRCB003	<4	1.90	12	40	824	46	11	314	15	4618	101	17	114	28

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-OP	ODOR	CUN1	CUN2	CUN3	FORM
FRCB004	36.268	119.726	07	81280				3	1	1				7	QTRN
FRCB005	36.269	119.665	07	81280				3	1	1				7	QTRN
FRCB006	36.268	119.646	07	81280				3	1	1				3	QTRN
FRCB007	36.294	119.636	07	81280				3	1	1				7	QTRN
FRCB008	36.299	119.726	07	81280				3	1	1				7	QTRN
FRCB009	36.328	119.725	07	81280				3	1	1				2	QTRN
FRCB010	36.357	119.725	07	81280				3	1	1				7	QTRN
FRCB011	36.357	119.690	07	81280				3	1	1				7	QTRN
FRCB012	36.358	119.655	07	81280				4	1	1				7	QTRN
FRCB013	36.386	119.654	07	81280				3	1	1				7	QTRN
FRCB014	36.415	119.653	07	81280				3	1	1				7	QTRN
FRCB015	36.451	119.634	07	81280				4	1	1				7	QTRN
FRCB016	36.481	119.634	07	81280				4	1	1				7	QTRN
FRCB017	36.482	119.628	07	81280				4	1	1				7	QTRN
FRCB018	36.453	119.629	07	81280				4	1	1				7	QTRN
FRCB019	36.415	119.626	07	81280				4	1	1				7	QTRN
FRCB020	36.393	119.691	07	81280				3	1	1				7	QTRN
FRCB021	36.394	119.726	07	81280				3	1	1				7	QTRN
FRCB022	36.417	119.712	07	81280				3	1	1				7	QTRN
FRCB023	36.447	119.726	07	81280				4	1	1				7	QTRN
FRCB024	36.489	119.724	07	81280				4	1	1				7	QTRN
FRCB025	36.488	119.600	07	81280				4	1	1				7	QTRN
FRCB026	36.488	119.559	07	81280				4	1	1				7	QTRN
FRCB027	36.452	119.564	07	81280				4	1	1				7	QTRN
FRCB028	36.453	119.599	07	81280				4	1	1				7	QTRN
FRCB029	36.449	119.527	07	81280				3	1	1				7	QTRN
FRCB030	36.479	119.527	07	81280				4	1	1				7	QTRN
FRCB031	36.422	119.528	07	81280				3	1	1				7	QTRN
FRCB032	36.390	119.528	07	81280				4	1	1				7	QTRN
FRCB033	36.357	119.563	07	81380				3	1	1				7	QTRN
FRCB034	36.372	119.528	07	81380				4	1	1				7	QTRN
FRCB035	36.387	119.563	07	81380				3	1	1				7	QTRN
FRCB036	36.415	119.563	07	81380				3	1	1				7	QTRN
FRCB037	36.422	119.600	07	81380				4	1	1				7	QTRN
FRCB038	36.386	119.604	07	81380				4	1	1				7	QTRN
FRCB039	36.357	119.610	07	81380				3	1	1				7	QTRN
FRCB040	36.328	119.601	07	81380				4	1	1				2	QTRN
FRCB041	36.295	119.599	07	81380				4	1	1				7	QTRN
FRCB042	36.298	119.565	07	81380				3	1	1				7	QTRN
FRCB043	36.327	119.565	07	81380				4	1	1				2	QTRN
FRCB044	36.328	119.522	07	81380				3	1	1				7	QTRN
FRCB045	36.298	119.519	07	81380				3	1	1				7	QTRN
FRCB046	36.270	119.565	07	81380				4	1	1				7	QTRN
FRCB047	36.269	119.521	07	81380				3	1	1				7	QTRN
FRCB048	36.270	119.600	07	81380				4	1	1				7	QTRN
FRC0001	36.386	119.354	07	82180				3	1	1				7	QTRN
FRC0002	36.386	119.310	07	82180				3	1	1				7	QTRN
FRC0003	36.393	119.276	07	82180				3	1	1			6	7	QTRN
FRC0004	36.420	119.277	07	82180				3	1	1			6	7	QTRN
FRC0005	36.450	119.276	07	82180				3	1	1				7	QTRN
FRC0006	36.486	119.276	07	82180				3	1	1				7	QTRN
FRC0007	36.487	119.312	07	82180				3	1	1				7	QTRN
FRC0008	36.488	119.357	07	82180				3	1	1				7	QTRN
FRC0009	36.458	119.357	07	82180				3	1	1			7	8	QTRN
FRC0010	36.449	119.322	07	82180				3	1	1			6	7	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-P-L	U-N1	AG	AL
FRCB004	10		110.00	10	1	1	1	1	3	NJ1110		5.50	<2	7.35
FRCB005	10		120.00	10	1	1	1	1	3	NJ1110		6.00	<2	7.72
FRCB005	10		110.00	10	1	1	1	4	1	NJ1110		7.70	<2	7.28
FRCB007	10		120.00	10	1	1	1	1	3	NJ1110		4.60	<2	7.61
FRCB003	10		110.00	10	1	1	1	1	3	NJ1110		5.00	<2	7.48
FRCB003	10		110.00	10	1	1	1	4	2	NJ1110		9.50	<2	7.45
FRCB010	10		110.00	10	1	1	1	4	3	NJ1110		7.40	<2	7.69
FRCB011	10		130.00	10	1	1	1	4	2	NJ1110		7.90	<2	7.48
FRCB012	10		130.00	10	1	1	1	1	1	NJ1110		6.60	<2	7.63
FRCB013	10		110.00	10	1	1	1	1	1	NJ1110		7.10	<2	7.38
FRCB014	10		110.00	10	1	1	1	1	3	NJ1110		5.40	<2	7.50
FRCB015	10		120.00	10	1	1	1	1	2	NJ1110		4.00	<2	7.75
FRCB016	10		130.00	10	1	1	1	1	3	NJ1110		4.50	<2	7.21
FRCB017	10		160.00	10	1	1	1	1	3	NJ1110		6.90	<2	7.06
FRCB018	10		130.00	10	1	1	1	1	3	NJ1110		9.90	<2	6.94
FRCB019	10		130.00	10	1	1	1	1	1	NJ1110		5.50	<2	7.68
FRCB020	10		110.00	10	1	1	1	4	1	NJ1110		6.00	<2	6.89
FRCB021	10		110.00	10	1	1	1	1	1	NJ1110		6.90	<2	7.37
FRCB022	10		120.00	10	1	1	1	1	3	NJ1110		4.50	<2	6.99
FRCB023	10		140.00	10	1	1	1	1	3	NJ1110		7.10	<2	7.37
FRCB024	10		130.00	10	1	1	1	1	3	NJ1110		4.30	<2	6.72
FRCB025	10		140.00	10	1	1	1	1	3	NJ1110		4.90	<2	6.93
FRCB026	10		140.00	10	1	1	1	1	3	NJ1110		5.60	<2	7.15
FRCB027	10		120.00	10	1	1	1	1	1	NJ1110		5.80	<2	7.69
FRCB028	10		120.00	10	1	1	1	1	3	NJ1110		5.70	<2	7.48
FRCB029	10		140.00	10	1	1	1	4	2	NJ1110		4.30	<2	6.92
FRCB030	10		130.00	10	1	1	1	1	1	NJ1110		5.40	<2	7.06
FRCB031	10		140.00	10	1	1	1	1	1	NJ1110		5.30	<2	7.04
FRCB032	10		150.00	10	1	1	1	1	3	NJ1110		14.80	<2	6.15
FRCB033	10		110.00	10	1	1	1	1	3	NJ1110		5.30	<2	7.23
FRCB034	10		130.00	10	1	1	1	1	1	NJ1110		5.80	<2	6.75
FRCB035	10		140.00	10	1	1	1	1	1	NJ1110		6.00	<2	7.38
FRCB036	10		130.00	10	1	1	1	1	3	NJ1110		5.50	<2	6.81
FRCB037	10		130.00	10	1	1	1	1	3	NJ1110		8.20	<2	7.41
FRCB038	10		130.00	10	1	1	1	1	1	NJ1110		20.30	<2	6.17
FRCB039	10		110.00	10	1	1	1	4	1	NJ1110		6.10	<2	6.84
FRCB040	10		120.00	10	1	1	1	4	2	NJ1110		5.60	<2	6.23
FRCB041	10		120.00	10	1	1	1	1	3	NJ1110		5.20	<2	6.73
FRCB042	10		100.00	10	1	1	1	1	1	NJ1110		5.60	<2	6.66
FRCB043	10		130.00	10	1	1	1	4	2	NJ1110		6.70	<2	6.83
FRCB044	10		140.00	10	1	1	1	1	1	NJ1110		5.20	<2	6.20
FRCB045	10		120.00	10	1	1	1	1	1	NJ1110		4.50	<2	6.46
FRCB046	10		120.00	10	1	1	1	1	3	NJ1110		4.90	<2	7.06
FRCB047	10		120.00	10	1	1	1	1	3	NJ1110		6.20	<2	8.33
FRCB048	10		100.00	10	1	1	1	1	3	NJ1110		5.40	<2	8.67
FRC001	10		39.00	10	1	1	1	4	2	NJ1110	5.25	6.20	<2	7.96
FRC002	10		43.00	10	1	1	1	4	2	NJ1110	3.23	4.10	<2	7.85
FRC003	10		27.00	10	1	1	1	4	2	NJ1110	2.77	3.40	<2	7.68
FRC004	10		29.00	10	1	1	1	4	2	NJ1110	3.79	4.50	<2	7.34
FRC005	10		26.00	10	1	1	1	4	2	NJ1110	2.71	3.30	<2	7.81
FRC006	10		19.00	10	1	1	1	4	2	NJ1110	2.59	2.50	<2	8.23
FRC007	10		20.00	10	1	1	1	4	2	NJ1110	2.59	2.20	<2	8.71
FRC008	10		14.00	10	1	1	1	4	2	NJ1110	1.52	2.00	<2	8.68
FRC009	10		20.00	10	1	1	1	4	2	NJ1110	1.60	2.10	<2	7.54
FRC010	10		24.00	10	1	1	1	4	2	NJ1110	2.23	3.50	<2	7.85

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRCB004	<10	625	1	3.19	46	10	50	13	3.80	15	1.34	24	25	1.36	820
FRCB005	<10	656	1	2.95	48	12	54	15	3.63	<15	1.31	24	27	1.36	760
FRCB006	11	643	1	2.68	50	13	54	17	3.56	<15	1.35	25	30	1.31	760
FRCB007	<10	613	1	2.57	42	11	48	13	3.66	15	1.36	24	25	1.35	769
FRCB008	<10	620	1	2.57	41	10	49	12	3.26	<15	1.37	25	25	1.35	704
FRCB009	<10	642	1	2.67	45	11	50	18	3.47	<15	1.51	25	30	1.30	750
FRCB010	11	639	1	3.33	43	11	53	19	3.42	<15	1.41	25	30	1.46	727
FRCB011	<10	644	1	2.66	51	12	57	18	3.58	<15	1.48	25	30	1.33	764
FRCB012	<10	665	1	2.53	48	12	56	20	3.72	<15	1.53	25	34	1.35	745
FRCB013	10	646	1	2.72	46	12	55	24	3.62	<15	1.43	25	32	1.34	756
FRCB014	<10	653	1	2.90	41	12	57	18	3.57	<15	1.39	25	29	1.37	762
FRCB015	12	701	1	2.54	48	12	58	21	3.64	<15	1.57	25	34	1.40	761
FRCB016	14	740	1	2.73	64	6	23	11	2.48	25	1.95	34	24	0.93	567
FRCB017	14	739	2	2.62	51	5	19	9	2.01	<15	1.98	27	15	0.77	477
FRCB018	15	670	1	3.02	47	11	52	18	3.02	<15	1.59	25	36	1.31	663
FRCB019	<10	667	1	2.70	46	13	57	20	2.62	<15	1.51	25	35	1.38	701
FRCB020	<10	645	1	2.47	45	10	42	12	3.17	<15	1.59	24	28	1.11	672
FRCB021	<10	671	1	2.16	49	11	46	16	3.24	<15	1.85	27	35	1.14	652
FRCB022	11	640	1	2.73	52	10	40	16	3.00	<15	1.66	27	27	1.14	643
FRCB023	12	711	1	2.47	51	10	41	18	2.95	<15	1.84	27	33	1.12	647
FRCB024	<10	657	1	2.24	57	5	21	22	2.51	<15	1.80	33	16	0.67	501
FRCB025	<10	700	1	2.67	64	5	18	13	2.53	<15	1.89	34	15	0.57	475
FRCB026	<10	717	1	2.15	60	6	22	12	3.06	<15	1.88	35	22	0.71	579
FRCB027	<10	637	1	2.69	35	11	53	23	3.52	<15	1.60	17	33	1.32	759
FRCB029	<10	653	1	2.44	48	12	57	23	3.60	18	1.45	25	30	1.33	759
FRCB029	<10	657	2	2.25	59	6	20	8	2.55	<15	1.65	32	16	0.73	544
FRCB030	<10	729	2	1.98	63	6	18	11	2.53	20	1.95	31	20	0.64	538
FRCB031	10	741	1	2.16	55	5	17	9	2.22	18	1.59	25	19	0.69	521
FRCB032	<10	680	1	2.08	49	6	14	10	1.95	<15	1.63	25	19	0.74	509
FRCB033	13	618	1	2.63	44	11	48	14	3.27	<15	1.45	21	27	1.32	704
FRCB034	17	722	1	2.22	52	5	17	7	2.18	<15	1.78	25	18	0.66	499
FRCB035	10	658	1	2.12	55	10	44	18	3.38	<15	1.65	25	15	1.11	701
FRCB036	11	676	1	2.67	50	9	49	16	2.88	<15	1.64	27	27	0.98	617
FRCB037	11	690	1	1.88	55	13	56	27	3.54	<15	1.51	30	36	1.16	686
FRCB038	31	569	1	2.55	36	9	41	17	2.86	<15	1.56	20	35	1.24	615
FRCB039	<10	603	1	2.56	33	10	47	14	3.39	<15	1.41	16	27	1.26	707
FRCB040	19	605	1	2.00	35	8	37	13	2.59	<15	1.52	25	24	1.03	578
FRCB041	<10	605	1	2.48	39	9	38	13	3.08	<15	1.36	22	25	1.06	642
FRCB042	<10	585	1	2.25	40	10	45	14	3.23	<15	1.24	22	25	1.19	678
FRCB043	<10	666	1	1.96	40	9	44	14	2.90	<15	1.68	25	31	1.15	621
FRCB044	14	581	1	2.32	45	7	24	11	2.40	<15	1.43	25	24	0.97	498
FRCB045	13	575	1	2.42	47	7	23	9	2.87	<15	1.43	25	21	0.95	614
FRCB046	10	588	1	2.63	36	11	49	15	3.45	<15	1.30	21	30	1.35	609
FRCB047	16	590	1	2.58	58	8	21	10	3.13	<15	1.30	25	19	1.09	640
FRCB048	14	620	1	2.71	48	10	39	11	3.49	<15	1.37	25	20	1.15	693
FRCC001	<10	641	2	2.47	53	12	32	19	4.04	<15	1.38	25	29	1.16	700
FRCC002	19	653	2	2.56	53	11	32	18	3.57	<15	1.64	25	34	1.28	662
FRCC003	16	624	1	2.22	46	11	38	29	3.37	<15	1.42	24	25	1.21	691
FRCC004	17	663	2	1.73	52	10	33	30	2.91	<15	1.56	25	17	0.67	602
FRCC005	18	636	1	2.14	40	11	38	30	3.32	<15	1.50	25	22	1.04	771
FRCC006	18	427	1	2.57	35	14	44	45	4.12	<15	1.16	17	19	1.09	767
FRCC007	19	475	1	2.83	32	16	40	62	4.55	<15	1.33	15	24	1.35	852
FRCC008	16	403	1	3.23	28	13	33	46	4.45	<15	1.04	15	16	1.29	853
FRCC009	26	491	1	3.67	31	13	34	39	3.65	<15	1.28	15	21	1.52	714
FRCC010	18	621	1	1.91	54	13	37	20	3.30	<15	1.55	27	25	1.07	744

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PB	SC	SR	TH	TI	V	V	ZN	ZK
FRCB004	<4	2.03	13	31	868	17	12	343	9	5178	108	13	96	30
FRCB005	<4	1.96	13	33	712	15	12	337	11	4829	105	13	93	30
FRCB006	<4	2.05	12	39	915	149	11	324	11	4536	104	13	137	28
FRCB007	<4	2.06	11	27	738	118	13	325	4	4532	106	13	113	23
FRCB008	<4	2.15	11	32	865	17	11	339	7	4133	95	13	89	22
FRCB009	<4	2.03	10	37	876	64	11	322	14	4266	97	13	106	24
FRCB010	<4	2.25	10	39	1071	14	11	347	11	4208	96	13	83	24
FRCB011	<4	1.88	11	38	1023	21	11	311	9	4495	103	17	98	26
FRCB012	<4	1.86	12	42	920	24	11	301	8	4472	101	17	90	27
FRCB013	<4	1.77	12	42	1112	18	11	316	10	4402	100	13	93	25
FRCB014	<4	1.84	12	39	890	19	11	325	4	4373	99	13	86	26
FRCB015	<4	1.80	12	46	917	58	10	312	10	4078	97	13	108	28
FRCB016	<4	2.31	13	14	698	21	7	422	20	3163	72	13	59	30
FRCB017	<4	2.48	9	9	730	31	6	426	8	2641	59	13	50	22
FRCB018	<4	1.84	11	41	916	15	9	368	12	3563	93	13	78	26
FRCB019	<4	1.84	11	45	953	18	11	308	8	4224	101	13	88	30
FRCB020	<4	2.05	10	31	790	19	9	300	8	4000	87	13	74	45
FRCB021	<4	2.06	11	35	828	14	10	274	5	4114	85	13	64	58
FRCB022	<4	2.07	12	31	953	21	9	348	16	3632	86	13	70	24
FRCB023	<4	2.40	11	34	967	16	8	336	7	3505	81	13	79	25
FRCB024	<4	2.33	13	11	690	17	6	369	6	2989	68	13	62	30
FRCB025	<4	2.39	13	9	575	46	6	368	15	3006	68	13	62	27
FRCB026	<4	2.34	12	14	737	49	7	363	18	3346	80	13	72	32
FRCB027	<4	2.13	11	39	832	14	11	316	3	4517	100	13	140	27
FRCB028	<4	1.77	12	45	848	27	11	296	13	4426	102	13	97	27
FRCB029	<4	2.22	15	12	625	14	7	359	6	3301	74	17	52	24
FRCB030	<4	2.43	14	9	630	22	6	345	10	3061	67	13	53	28
FRCB031	<4	2.58	11	5	625	<10	6	380	9	2722	63	14	49	29
FRCB032	7	3.52	10	11	827	<10	6	355	6	2684	65	13	47	20
FRCB033	<4	1.99	12	31	828	17	11	330	9	4159	96	13	78	24
FRCB034	<4	2.59	11	9	809	19	6	354	11	2865	67	14	48	28
FRCB035	<4	1.85	12	32	805	31	9	300	9	3851	90	13	77	29
FRCB036	<4	1.95	11	37	983	32	7	332	9	3287	76	13	67	25
FRCB037	<4	1.57	11	53	805	19	9	258	13	3829	95	13	86	28
FRCB038	8	3.59	9	37	923	<10	8	335	5	3427	93	13	73	23
FRCB039	<4	1.81	10	34	941	34	10	306	4	4315	95	13	62	23
FRCB040	<4	1.71	11	24	1114	39	8	273	2	3592	69	13	69	33
FRCB041	<4	1.87	1	25	691	103	9	303	6	4086	87	14	76	25
FRCB042	<4	1.61	11	31	718	21	10	287	13	4209	93	13	74	23
FRCB043	<4	1.88	9	30	618	17	8	289	6	3898	78	13	75	29
FRCB044	<4	1.74	11	12	655	16	8	288	9	3277	68	14	62	30
FRCB045	<4	1.82	12	13	731	24	9	305	10	3696	81	13	64	32
FRCB046	<4	1.78	10	35	798	<10	10	314	5	4231	97	14	75	21
FRCB047	<4	1.75	14	17	592	<10	10	307	11	3853	80	20	67	29
FRCB048	<4	1.93	13	24	762	12	11	293	9	4120	92	17	75	26
FRCC001	<4	1.63	14	15	596	17	11	278	16	4517	121	13	64	38
FRCC002	<4	1.75	14	17	638	16	9	336	14	3821	115	17	61	30
FRCC003	<4	1.56	10	23	351	14	10	303	13	3765	121	13	67	32
FRCC004	<4	1.57	13	21	397	21	9	253	16	3829	102	13	63	39
FRCC005	<4	1.69	10	22	419	23	11	277	7	4401	120	17	70	36
FRCC006	<4	1.52	8	23	652	118	16	242	11	4459	164	13	102	27
FRCC007	<4	1.73	7	23	628	13	17	250	2	4619	158	20	103	28
FRCC008	<4	2.07	9	19	404	38	18	289	6	5123	179	13	101	24
FRCC009	<4	1.74	8	21	452	<10	13	443	7	3975	160	13	60	27
FRCC010	<4	1.67	11	22	218	11	11	290	14	3979	137	17	63	37

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-OP	DOOR	CUN1	CUN2	CUN3	FORM
FRCC011	36.429	119.350	07	82180				3	1	1			8	7	QTRN
FRCC012	36.421	119.322	07	82180				3	1	1				7	QTRN
FRCC013	36.392	119.354	07	82280				3	1	1				7	QTRN
FRCC014	36.423	119.354	07	82280				3	1	1				7	QTRN
FRCC015	36.433	119.428	07	82280				3	1	1			6	7	QTRN
FRCC016	36.444	119.436	07	82280				3	1	1				7	QTRN
FRCC017	36.451	119.353	07	82280				3	1	1				7	QTRN
FRCC018	36.483	119.390	07	82280				3	1	1				7	QTRN
FRCC019	36.488	119.435	07	82280				3	1	1				7	QTRN
FRCC020	36.488	119.463	07	82280				3	1	1				7	QTRN
FRCC021	36.459	119.475	07	82280				3	1	1				7	QTRN
FRCC022	36.422	119.475	07	82280				4	1	1			6	7	QTRN
FRCC023	36.386	119.474	07	82280				3	1	1				7	QTRN
FRCC024	36.386	119.438	07	82280				3	1	1				7	QTRN
FRCC025	36.328	119.353	07	82380				3	1	1				7	QTRN
FRCC026	36.357	119.356	07	82380				3	1	1				7	QTRN
FRCC027	36.356	119.439	07	82380				3	1	1			6	7	QTRN
FRCC028	36.352	119.460	07	82380				3	1	1			8	7	QTRN
FRCC029	36.328	119.475	07	82380				3	1	1				7	QTRN
FRCC030	36.299	119.474	07	82380				3	1	1				7	QTRN
FRCC031	36.265	119.474	07	82380				3	1	1				7	QTRN
FRCC032	36.262	119.438	07	82380				3	1	1				7	QTRN
FRCC033	36.262	119.353	07	82380				3	1	1				7	QTRN
FRCC034	36.298	119.398	07	82380				3	1	1				7	QTRN
FRCC035	36.297	119.438	07	82380				3	1	1				7	QTRN
FRCC036	36.327	119.439	07	82380				3	1	1				7	QTRN
FRCC037	36.325	119.317	07	82580				3	1	1				2	QTRN
FRCC038	36.334	119.273	07	82580				3	1	1			6	7	QTRN
FRCC039	36.357	119.276	07	82580				3	1	1				7	QTRN
FRCC040	36.364	119.314	07	82580				3	1	1				7	QTRN
FRCC041	36.357	119.350	07	82580				3	1	1				7	QTRN
FRCC042	36.325	119.366	07	82580				3	1	1				7	QTRN
FRCC043	36.299	119.357	07	82580				3	1	1				7	QTRN
FRCC044	36.267	119.349	07	82580				3	1	1				7	QTRN
FRCC045	36.267	119.313	07	82580				3	1	1				7	QTRN
FRCC046	36.264	119.271	07	82580				3	1	1				7	QTRN
FRCC047	36.297	119.269	07	82580				3	1	1			8	7	QTRN
FRCC048	36.294	119.312	07	82580				3	1	1			6	7	QTRN
FRCD001	36.380	119.203	07	82280				3	1	1				2	QTRN
FRCD002	36.387	119.235	07	82280				4	1	1				7	QTRN
FRCD003	36.415	119.234	07	82280				3	1	1				7	QTRN
FRCD004	36.443	119.223	07	82280				3	1	1				7	QTRN
FRCD005	36.476	119.222	07	82280				4	1	1				7	QTRN
FRCD006	36.484	119.166	07	82280				4	1	1				7	QTRN
FRCD007	36.471	119.170	07	82280				3	1	1				2	QTRN
FRCD008	36.457	119.167	07	82280				3	1	1				7	QTRN
FRCD009	36.427	119.154	07	82280				3	1	1				2	QTRN
FRCD010	36.428	119.170	07	82280				3	1	1				7	QTRN
FRCD011	36.414	119.152	07	82280				3	1	1				7	QTRN
FRCD012	36.381	119.125	07	82380				3	1	1				7	QTRN
FRCD013	36.370	119.146	07	82380				3	1	1				2	QTRN
FRCD014	36.355	119.124	07	82380				4	1	1				8	QTRN
FRCD015	36.326	119.125	07	82380				3	1	1				2	QTRN
FRCD016	36.303	119.136	07	82380				3	1	1				2	QTRN
FRCD017	36.264	119.136	07	82380				3	1	1				7	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-F	U-NI	AG	AL
FRCC011	10		24.00	10	1	1	1	4	2	NJ1110	2.10	3.20	<2	7.49
FRCC012	10		25.00	10	1	1	1	4	2	NJ1110	2.30	3.50	<2	7.05
FRCC013	10		46.00	10	1	1	1	4	2	NJ1110	4.17	4.20	<2	7.39
FRCC014	10		40.00	10	1	1	1	4	2	NJ1110	3.75	4.00	<2	7.56
FRCC015	10		34.00	10	1	1	1	4	2	NJ1110	3.66	3.40	<2	7.11
FRCC016	10		26.00	10	1	1	1	4	2	NJ1110	2.65		<2	7.13
FRCC017	10		19.00	10	1	1	1	4	2	NJ1110	2.21	2.20	<2	7.37
FRCC018	10		14.00	10	1	1	1	4	2	NJ1110	2.68	1.60	<2	7.97
FRCC019	10		39.00	10	1	1	1	4	2	NJ1110	4.51	4.30	<2	7.51
FRCC020	10		26.00	10	1	1	1	4	2	NJ1110	5.36	5.20	<2	7.31
FRCC021	10		30.00	10	1	1	1	4	2	NJ1110	5.36	4.90	<2	7.22
FRCC022	10		35.00	10	1	1	1	4	2	NJ1110	4.56	3.90	<2	7.08
FRCC023	10		29.00	10	1	1	1	4	2	NJ1110	6.74	5.20	<2	7.35
FRCC024	10		29.00	10	1	1	1	4	2	NJ1110		6.40	<2	6.89
FRCC025	10		32.00	10	1	1	1	4	2	NJ1110		5.10	<2	6.56
FRCC026	10		35.00	10	1	1	1	4	2	NJ1110		5.30	<2	6.69
FRCC027	10		39.00	10	1	1	1	4	2	NJ1110		4.70	<2	6.43
FRCC028	10		27.00	10	1	1	1	4	2	NJ1110		6.60	<2	6.27
FRCC029	10		34.00	10	1	1	1	4	2	NJ1110		10.00	<2	6.81
FRCC030	10		25.00	10	1	1	1	4	2	NJ1110		5.70	<2	6.64
FRCC031	10		29.00	10	1	1	1	4	2	NJ1110		5.40	<2	6.91
FRCC032	10		26.00	10	1	1	1	4	2	NJ1110		5.80	<2	7.14
FRCC033	10		26.00	10	1	1	1	4	2	NJ1110		6.40	<2	8.34
FRCC034	10		26.00	10	1	1	1	4	2	NJ1110		6.50	<2	7.56
FRCC035	10		28.00	10	1	1	1	4	2	NJ1110		6.80	<2	8.05
FRCC035	10		28.00	10	1	1	1	4	2	NJ1110		5.50	<2	7.74
FRCC037	10		28.00	10	1	1	1	4	2	NJ1110		5.10	<2	7.67
FRCC033	10		30.00	10	1	1	1	4	2	NJ1110		5.20	<2	7.82
FRCC039	10		32.00	10	1	1	1	4	2	NJ1110		6.30	<2	8.16
FRCC040	10		23.00	10	1	1	1	4	2	NJ1110		7.80	<2	8.18
FRCC041	10		29.00	10	1	1	1	4	2	NJ1110		5.30	<2	7.97
FRCC042	10		27.00	10	1	1	1	4	2	NJ1110		7.00	<2	8.08
FRCC043	10		23.00	10	1	1	1	4	2	NJ1110		5.40	<2	7.02
FRCC044	10		30.00	10	1	1	1	4	2	NJ1110		5.70	<2	8.35
FRCC045	10		24.00	10	1	1	1	4	2	NJ1110		5.00	<2	7.42
FRCC046	10		30.00	10	1	1	1	4	2	NJ1110		5.70	<2	8.32
FRCC047	10		30.00	10	1	1	1	4	2	NJ1110		6.60	<2	8.48
FRCC048	10		28.00	10	1	1	1	4	2	NJ1110		5.10	<2	7.93
FRCD001	10		94.00	10	1	1	1	4	2	NJ1110		3.50	<2	8.13
FRCD002	10		100.00	10	1	1	1	1	2	NJ1110		3.70	<2	7.71
FRCD003	10		84.00	10	1	1	1	1	2	NJ1110		3.80	<2	7.01
FRCD004	10		66.00	10	1	1	1	1	1	NJ1110		2.70	<2	8.25
FRCD005	10		64.00	10	1	1	1	1	1	NJ1110		1.90	<2	8.24
FRCD006	10		64.00	10	1	1	1	1	1	NJ1110		2.50	2	8.13
FRCD007	10		36.00	04	1	1	3	4	2	NJ1110		1.10	<2	8.13
FRCD008	10		54.00	10	1	1	1	1	2	NJ1110		2.00	<2	7.95
FRCD009	10		54.00	04	1	1	2	1	1	NJ1110		1.50	<2	8.75
FRCD010	10		36.00	10	1	1	1	1	1	NJ1110		2.70	<2	8.28
FRCD011	10		68.00	10	1	1	1	1	1	NJ1110		2.90	<2	7.78
FRCD012	10		120.00	10	1	1	1	1	2	NJ1110		5.30	<2	8.21
FRCD013	10		84.00	04	1	1	2	4	1	NJ1110		1.60	<2	8.65
FRCD014	10		120.00	10	1	1	1	4	2	NJ1110		4.80	<2	8.05
FRCD015	10		120.00	10	1	1	1	4	1	NJ1110		3.70	<2	7.71
FRCD016	10		110.00	10	1	1	1	4	1	NJ1110		4.05	<2	8.49
FRCD017	10		86.00	10	1	1	1	1	3	NJ1110		3.50	<2	8.05

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRCC011	21	586	1	2.84	39	10	35	26	3.35	<15	1.46	21	24	1.58	703
FRCC012	24	621	1	2.15	46	10	36	16	3.21	<15	1.46	23	23	1.19	710
FRCC013	19	677	2	2.51	49	7	23	12	3.04	<15	1.85	25	26	1.00	602
FRCC014	18	652	2	2.61	55	10	30	28	3.38	<15	1.59	31	31	1.39	578
FRCC015	19	710	1	2.64	58	7	25	26	2.68	<15	1.77	29	22	1.12	535
FRCC016	10	717	2	2.29	61	5	22	25	2.63	<15	1.86	30	20	0.89	537
FRCC017	20	533	1	2.56	29	11	29	37	3.51	<15	1.49	19	21	1.45	733
FRCC018	20	445	1	3.25	29	14	30	36	4.44	<15	1.01	19	18	1.58	845
FRCC019	10	724	2	1.58	64	7	21	25	2.96	<15	1.85	34	19	0.67	559
FRCC020	<10	721	2	2.05	61	5	19	30	2.73	<15	1.83	34	16	0.62	512
FRCC021	11	719	2	2.23	61	6	20	11	2.64	<15	1.72	31	17	0.71	502
FRCC022	20	761	1	2.55	40	5	19	30	2.15	<15	2.03	24	26	1.18	514
FRCC023	21	676	2	2.28	50	7	26	23	3.06	<15	1.62	30	25	1.03	588
FRCC024	14	628	2	2.21	47	6	24	12	2.61	<15	1.49	29	21	0.94	543
FRCC025	17	521	2	2.44	44	10	30	13	3.94	<15	1.42	22	27	1.28	829
FRCC026	11	613	2	2.07	42	8	28	16	3.28	<15	1.41	23	25	0.94	584
FRCC027	<10	554	2	2.29	24	8	26	14	3.02	<15	1.45	19	26	0.99	582
FRCC028	17	580	2	2.63	43	7	24	16	2.57	<15	1.48	22	24	1.02	551
FRCC029	14	550	2	1.85	40	8	20	17	3.25	<15	1.30	22	25	0.91	524
FRCC030	10	557	2	2.63	40	9	29	14	3.41	<15	1.29	21	25	1.11	606
FRCC031	12	581	2	2.51	48	9	31	19	3.27	<15	1.30	23	31	1.10	580
FRCC032	14	577	2	1.89	47	11	37	33	3.81	<15	1.23	24	32	1.12	604
FRCC033	11	636	1	2.88	36	13	39	32	4.47	15	1.46	23	35	1.30	736
FRCC034	12	605	2	2.76	39	12	36	20	3.95	<15	1.49	24	32	1.26	675
FRCC035	15	620	2	2.14	50	12	38	23	4.21	<15	1.44	29	36	1.22	598
FRCC036	21	606	2	2.54	59	13	36	28	4.10	<15	1.48	29	35	1.17	634
FRCC037	12	584	2	2.65	40	12	32	24	4.15	<15	1.58	21	30	1.20	753
FRCC038	<10	649	1	2.59	44	14	34	24	4.78	<15	1.68	23	35	1.31	871
FRCC039	<10	653	2	2.51	53	13	38	24	4.19	<15	1.58	29	39	1.27	712
FRCC040	13	624	2	2.16	51	12	38	24	4.09	<15	1.59	27	37	1.21	641
FRCC041	13	626	2	2.55	39	12	33	17	4.38	<15	1.57	22	31	1.25	813
FRCC042	13	618	2	2.20	50	13	36	71	4.52	<15	1.67	29	38	1.28	721
FRCC043	15	588	2	3.33	43	13	37	19	4.01	<15	1.44	22	31	1.31	663
FRCC044	<10	651	2	2.45	51	13	38	21	4.34	<15	1.46	23	35	1.25	749
FRCC045	13	599	1	4.35	42	12	34	17	3.99	<15	1.37	29	27	1.39	782
FRCC046	18	655	2	2.78	52	13	39	19	4.44	28	1.61	29	35	1.38	791
FRCC047	11	648	2	2.27	52	13	40	24	4.44	27	1.63	29	41	1.27	699
FRCC048	11	609	2	3.27	50	12	35	19	4.05	<15	1.40	29	31	1.32	722
FRCD001	16	575	1	2.02	43	13	44	23	3.72	<15	1.37	29	23	1.04	755
FRCD002	14	644	2	1.90	49	11	36	21	3.19	<15	1.44	22	18	0.81	727
FRCD003	<10	549	1	2.14	33	9	30	22	2.94	<15	1.28	17	13	0.82	661
FRCD004	14	491	1	3.00	29	15	49	31	4.44	21	1.17	19	23	1.50	831
FRCD005	14	407	1	2.75	35	16	45	24	4.08	<15	0.85	19	16	1.32	845
FRCD006	<10	394	1	3.05	37	19	61	32	4.84	<15	0.55	17	17	1.42	906
FRCD007	<10	195	<1	4.11	13	28	47	34	7.83	<15	0.45	9	10	2.36	1009
FRCD008	<10	418	1	3.53	31	16	60	41	4.12	<15	0.80	19	16	1.84	796
FRCD009	12	255	1	3.77	21	22	114	80	5.20	<15	0.54	14	16	1.65	752
FRCD010	17	503	1	2.70	28	14	43	30	4.12	<15	1.23	13	18	1.19	876
FRCD011	13	501	1	2.61	32	13	44	57	3.94	<15	1.29	19	17	1.11	816
FRCD012	<10	612	2	2.63	45	11	39	16	4.07	<15	1.46	24	24	1.13	774
FRCD013	<10	422	1	3.79	22	24	132	30	4.14	<15	0.64	11	29	2.38	860
FRCD014	15	626	2	2.72	48	12	42	17	4.27	<15	1.62	29	32	1.27	795
FRCD015	20	630	1	3.04	36	10	43	35	3.37	<15	1.53	19	23	0.95	707
FRCD016	<10	668	1	2.18	41	13	50	40	3.93	<15	1.58	21	30	1.15	840
FRCD017	14	607	1	2.14	35	10	49	26	3.37	<15	1.52	17	20	0.97	752

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PB	SC	SP	TH	TI	V	T	ZN	ZR
FRCC011	<4	1.72	11	20	396	18	11	400	7	4286	128	15	71	32
FRCC012	<4	1.81	11	21	217	17	10	329	7	3818	123	15	67	36
FRCC013	<4	2.15	14	10	537	14	8	374	11	3488	104	17	63	39
FRCC014	<4	1.74	13	14	468	17	9	399	14	3666	149	15	72	32
FRCC015	<4	2.05	12	16	791	22	7	455	17	3010	103	14	75	29
FRCC016	<4	2.03	13	10	570	23	7	395	16	3056	90	14	55	33
FRCC017	<4	1.90	7	14	807	<10	12	366	3	3961	148	15	83	28
FRCC018	<4	1.71	7	12	314	10	16	313	5	5425	199	17	89	23
FRCC019	<4	2.10	13	13	660	25	7	338	13	3236	90	15	66	29
FRCC020	<4	2.09	13	11	561	26	6	348	12	3099	82	15	124	34
FRCC021	<4	2.02	13	11	556	21	6	367	14	3059	84	15	56	31
FRCC022	<4	2.33	10	10	996	<10	5	481	4	2733	78	15	79	25
FRCC023	<4	1.92	12	13	609	11	8	364	8	3556	102	17	66	40
FRCC024	<4	1.83	13	10	619	21	7	315	18	3231	74	15	56	34
FRCC025	<4	1.56	16	16	1124	72	11	232	10	5070	92	19	97	48
FRCC026	<4	1.59	14	13	647	102	8	257	6	3803	85	15	134	33
FRCC027	<4	1.76	11	14	856	25	8	269	<2	3591	78	15	74	27
FRCC028	<4	1.62	12	12	1414	21	7	308	15	2995	70	14	76	30
FRCC029	<4	1.45	12	13	590	33	9	218	12	3716	81	15	62	29
FRCC030	<4	1.48	13	15	930	<10	9	278	10	4027	91	15	72	29
FRCC031	<4	1.42	13	17	848	11	8	244	16	3672	77	15	81	28
FRCC032	<4	1.26	14	19	696	16	10	207	10	4244	92	15	91	29
FRCC033	<4	1.54	12	22	828	18	12	274	7	4864	135	17	126	26
FRCC034	<4	1.40	12	20	844	20	10	278	<2	4368	111	17	93	29
FRCC035	<4	1.39	12	21	646	10	11	236	14	4492	127	15	119	29
FRCC036	<4	1.45	15	21	621	35	10	258	14	4232	119	15	101	32
FRCC037	<4	1.73	13	15	905	57	12	259	8	4939	119	19	149	28
FRCC038	<4	1.67	13	18	1075	58	11	254	9	5252	130	17	157	28
FRCC039	<4	1.50	14	21	759	11	10	259	8	4580	123	15	102	24
FRCC040	<4	1.52	13	19	875	23	11	230	9	4406	119	15	116	30
FRCC041	<4	1.77	14	15	836	25	12	254	9	4997	127	15	103	36
FRCC042	<4	1.46	13	20	988	36	12	230	5	4803	124	15	236	33
FRCC043	<4	1.31	13	21	562	21	9	308	11	4306	113	15	56	25
FRCC044	<4	1.56	13	12	827	10	12	247	13	4778	127	15	97	28
FRCC045	<4	1.58	13	20	970	24	11	349	7	4606	119	17	97	25
FRCC046	<4	1.61	15	22	1013	18	12	273	5	4978	129	15	127	28
FRCC047	<4	1.50	14	21	1019	12	11	228	10	4761	126	15	111	28
FRCC048	<4	1.52	13	20	844	41	12	281	13	4732	119	15	50	27
FRCD001	<4	1.50	11	25	343	13	12	230	11	4360	129	15	62	30
FRCD002	<4	1.52	11	21	474	47	11	235	12	4097	108	15	129	35
FRCD003	<4	1.53	19	17	309	19	11	234	8	4393	109	15	69	31
FRCD004	<4	1.66	8	24	688	46	15	253	6	4729	162	15	106	20
FRCD005	<4	1.46	8	26	330	24	15	251	8	4988	165	17	67	22
FRCD006	<4	1.37	18	33	453	<10	17	230	6	5904	186	20	87	22
FRCD007	<4	1.30	6	27	511	18	21	249	2	7611	323	17	104	26
FRCD008	<4	1.36	7	34	329	15	15	307	9	5091	167	17	107	22
FRCD009	<4	1.72	7	64	307	<10	16	301	<2	4735	187	15	75	18
FRCD010	<4	1.79	5	22	388	28	14	245	<2	4883	157	15	159	24
FRCD011	<4	1.61	10	24	354	61	13	229	4	4903	146	15	210	28
FRCD012	<4	1.77	13	19	624	19	12	272	11	4895	134	15	84	32
FRCD013	<4	1.90	6	304	1521	<10	13	293	<2	3271	120	15	76	11
FRCD014	<4	1.59	14	20	1024	<10	11	269	9	4897	125	15	105	30
FRCD015	<4	1.53	10	24	826	86	11	244	10	3972	112	15	236	32
FRCD016	<4	1.67	10	32	508	22	11	231	7	4157	131	15	150	27
FRCD017	<4	1.75	10	26	386	51	12	242	3	3952	119	15	68	28

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	CAY	NTM	COND	ALK	SIZE	WIDE	S-SP	UDOR	CUN1	CON2	CUN3	FORM
FRC0018	36.268	119.126	07	82380				3	1	1				7	QTRN
FRC0019	36.297	119.179	07	82380				3	1	1				7	QTRN
FRC0020	36.320	119.196	07	82380				4	1	1	2			7	QTRN
FRC0021	36.358	119.177	07	82380				4	1	1				2	TATR
FRC0022	36.357	119.198	07	82380				3	1	1				7	QTRN
FRC0023	36.359	119.216	07	82380				3	1	1				7	QTRN
FRC0024	36.332	119.220	07	82380				3	1	1				7	QTRN
FRC0025	36.297	119.224	07	82380				3	1	1				2	QTRN
FRC0026	36.268	119.225	07	82380				3	1	1				2	QTRN
FRC0027	36.268	119.112	07	82480				3	1	1				7	QTRN
FRC0028	36.295	119.097	07	82480				3	1	1				2	TATR
FRC0029	36.325	119.107	07	82480				3	1	1				2	QTRN
FRC0030	36.331	119.072	07	82480				3	1	1				2	TATR
FRC0031	36.357	119.042	07	82480				3	1	1				2	QTRN
FRC0032	36.358	119.095	07	82480				3	1	1				7	QTRN
FRC0033	36.414	119.114	07	82480				3	1	1				2	TATR
FRC0034	36.384	119.098	07	82480				3	1	1				1	QTRN
FRC0035	36.390	119.066	07	82480				3	1	1				2	QTRN
FRC0036	36.413	119.066	07	82480				3	1	1				7	QTRN
FRC0037	36.393	119.021	07	82480				4	1	1				7	QTRN
FRC0038	36.357	119.038	07	82480				3	1	1				2	TATR
FRC0039	36.300	119.066	07	82580				3	1	1				2	TATR
FRC0040	36.274	119.083	07	82580				3	1	1				2	TATR
FRC0041	36.278	119.043	07	82580				3	1	1				2	TATR
FRC0042	36.269	119.016	07	82580				4	1	1				2	TATR
FRC0043	36.416	119.026	07	82580				3	1	1				7	TATR
FRC0044	36.445	119.027	07	82580				3	1	1				7	QTRN
FRC0045	36.488	119.017	07	82580				3	1	1				2	TATR
FRC0046	36.445	119.098	07	82580				3	1	1				2	TATR
FRC0047	36.450	119.080	07	82580				3	1	1				2	QTRN
FRC0048	36.479	119.099	07	82580				3	1	1				8	QTRN
FRC0049			07	82580				3	1	1				2	TATR
FRC0050			07	82580				3	1	1				2	TATR
FRC0001	36.397	118.972	07	82480				4	1	1				6	UNKN
FRC0002	36.385	118.944	07	82480				4	1	1				6	UNKN
FRC0003	36.417	118.923	07	82480				4	1	1				6	UNKN
FRC0004	36.445	118.904	07	82480				4	1	1				6	UNKN
FRC0005	36.466	118.915	07	82480				4	1	1				6	UNKN
FRC0006	36.480	118.918	07	82480				4	1	1				6	UNKN
FRC0007	36.494	118.908	07	82480				4	1	1				6	UNKN
FRC0008	36.465	118.842	07	82480				4	1	1				6	UNKN
FRC0009	36.476	118.843	07	82480				4	1	1				6	UNKN
FRC0010	36.451	118.807	07	82480				4	1	1				6	UNKN
FRC0011	36.447	118.778	07	82480				4	1	1				6	UNKN
FRC0012	36.437	118.748	07	82480				4	1	1				6	UNKN
FRC0013	36.414	118.859	07	82580				4	1	1				6	UNKN
FRC0014	36.396	118.881	07	82580				4	1	1				6	UNKN
FRC0015	36.379	118.842	07	82580				4	1	1				6	UNKN
FRC0016	36.365	118.840	07	82580				4	1	1				6	UNKN
FRC0017	36.363	118.814	07	82580				4	1	1				6	UNKN
FRC0018	36.354	118.764	07	82580				4	1	1				2	UNKN
FRC0019	36.275	118.979	07	82680				4	1	1				8	QTRN
FRC0020	36.271	118.930	07	82680				4	1	1				8	QTRN
FRC0021	36.258	118.906	07	82680				4	1	1				8	QTRN
FRC0022	36.261	118.767	07	82680				4	1	1				6	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PE	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-F	U-M	AG	AL
FRCD018	10		86.00	10	1	1	1	1	3	NJ1110			<2	9.65
FRCD019	10		82.00	10	1	1	1	4	2	NJ1110		5.30	<2	8.12
FRCD020	10		120.00	10	1	1	1	4	2	NJ1110		4.20	<2	7.99
FRCD021	10		90.00	05	1	1	2	4	3	NJ1110		2.80	<2	7.53
FRCD022	10		100.00	10	1	1	1	1	2	NJ1110		6.40	<2	8.35
FRCD023	10		120.00	10	1	1	1	1	3	NJ1110		5.50	<2	8.38
FRCD024	10		100.00	10	1	1	1	1	3	NJ1110		5.80	<2	7.62
FRCD025	10		100.00	10	1	1	1	1	3	NJ1110		4.10	<2	8.20
FRCD026	10		110.00	10	1	1	1	1	3	NJ1110		5.70	<2	7.96
FRCD027	10		90.00	10	1	1	1	1	3	NJ1110		3.40	<2	7.76
FRCD028	10		70.00	05	1	1	3	4	1	NJ1110		3.60	<2	7.80
FRCD029	10		88.00	10	1	1	1	4	3	NJ1110		4.10	<2	7.73
FRCD030	10		70.00	04	1	1	1	4	2	NJ1110		4.50	<2	7.61
FRCD031	10		70.00	10	1	1	1	4	1	NJ1110		2.90	<2	8.26
FRCD032	10		76.00	10	1	1	1	4	2	NJ1110		2.60	<2	8.29
FRCD033	10		56.00	04	1	1	1	4	1	NJ1110		2.30	<2	7.99
FRCD034	10		80.00	10	1	1	1	4	1	NJ1110		5.40	<2	7.92
FRCD035	10		110.00	10	1	1	1	4	1	NJ1110		8.10	<2	8.12
FRCD036	10		80.00	10	1	1	1	1	3	NJ1110		3.40	<2	7.30
FRCD037	10		64.00	10	1	1	1	1	1	NJ1110		3.10	<2	8.47
FRCD038	10		56.00	04	1	1	3	4	1	NJ1110		2.40	<2	9.09
FRCD039	10		74.00	06	1	1	2	4	2	NJ1110		2.50	<2	7.25
FRCD040	10		74.00	04	1	1	4	4	2	NJ1110		2.90	<2	8.10
FRCD041	10		54.00	06	1	1	1	4	2	NJ1110		2.60	<2	7.02
FRCD042	10		130.00	05	1	1	2	4	1	NJ1110		2.70	<2	6.58
FRCD043	10		54.00	04	1	1	1	4	2	NJ1110		3.60	<2	8.53
FRCD044	10		74.00	10	1	1	1	4	2	NJ1110		3.30	<2	7.47
FRCD045	10		120.00	05	1	1	4	4	2	NJ1110		3.90	<2	6.78
FRCD046	10		72.00	04	1	1	2	4	2	NJ1110		4.40	<2	7.73
FRCD047	10		72.00	10	1	1	1	4	3	NJ1110		2.30	<2	7.42
FRCD048	10		50.00	10	1	1	1	4	2	NJ1110		1.90	<2	7.95
FRCD049	10		74.00	04	1	1	2	4	2	NJ1110		4.00	<2	7.74
FRCD050	10		60.00	04	1	1	3	4	1			4.20	<2	7.33
FRCE001	10		30.00	04	1	1	2	2	1	NJ1110		5.70	<2	9.31
FRCE002	10		20.00	04	1	1	1	2	1	NJ1110		3.10	<2	8.86
FRCE003	10		26.00	04	1	1	1	2	1	NJ1110		4.40	<2	9.20
FRCE004	10		15.00	04	1	1	1	2	2	NJ1110		2.30	<2	8.66
FRCE005	10		18.00	04	1	1	1	2	2	NJ1110		3.50	<2	8.55
FRCE006	10		20.00	04	1	1	1	2	2	NJ1110		2.70	<2	7.75
FRCE007	10		25.00	04	1	1	1	2	2	NJ1110		2.30	<2	10.15
FRCE008	10		29.00	04	1	1	1	3	2	NJ1110		4.30	<2	8.28
FRCE009	10		30.00	04	1	1	1	2	2	NJ1110		4.00	<2	8.83
FRCE010	10		35.00	04	1	1	2	2	2	NJ1110		8.60	<2	9.17
FRCE011	10		50.00	04	1	1	1	3	2	NJ1110		10.70	<2	10.46
FRCE012	10		41.00	04	1	1	1	3	2	NJ1110		10.10	<2	10.66
FRCE013	10		17.00	04	1	1	1	2	1	NJ1110		12.40	<2	7.70
FRCE014	10		17.00	04	1	1	1	3	2	NJ1110		2.50	<2	8.35
FRCE015	10		28.00	04	1	1	1	2	1	NJ1110		3.10	<2	8.57
FRCE016	10		24.00	04	1	1	1	2	2	NJ1110		5.10	<2	9.35
FRCE017	10		21.00	04	1	1	2	2	2	NJ1110		4.70	<2	8.67
FRCE018	10		40.00	04	1	1	2	2	2	NJ1110		8.60	<2	5.31
FRCE019	10		16.00	01	1	1	1	2	1	NJ1110		3.00	<2	8.01
FRCE020	10		20.00	01	1	1	1	2	2	NJ1110		2.40	<2	8.34
FRCE021	10		25.00	01	1	1	2	2	1	NJ1110		3.20	<2	8.90
FRCE022	10		27.00	01	1	1	2	2	1	NJ1110		8.00	<2	8.09

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRCJ018	11	647	1	2.24	43	14	47	28	4.14	<15	1.52	21	32	1.24	846
FRCJ019	14	616	1	2.11	48	12	42	47	3.70	<15	1.64	23	29	1.05	718
FRCJ020	<10	640	2	2.65	46	12	40	18	4.06	<15	1.70	23	33	1.27	754
FRCJ021	<10	421	1	2.82	31	18	167	37	4.11	<15	1.09	13	21	1.80	637
FRCJ022	<10	650	2	2.53	52	12	37	22	4.26	<15	1.46	23	32	1.27	745
FRCJ023	<10	634	2	2.42	39	11	30	18	3.82	<15	1.59	23	29	1.15	698
FRCJ024	<10	566	2	3.06	45	11	29	58	4.07	<15	1.34	21	21	1.24	758
FRCJ025	14	649	2	2.52	46	13	40	22	4.21	<15	1.40	23	31	1.27	752
FRCJ026	<10	611	2	2.69	50	13	36	23	4.59	<15	1.34	23	30	1.31	822
FRCJ027	14	585	1	1.89	39	13	74	29	3.28	<15	1.33	13	19	0.95	748
FRCJ028	<10	563	1	2.23	47	19	218	37	4.03	<15	1.28	23	27	1.63	764
FRCJ029	11	654	1	1.72	41	12	50	26	3.31	<15	1.50	20	22	0.89	837
FRCJ030	12	589	1	2.00	39	10	58	16	3.42	<15	1.28	19	15	0.85	787
FRCJ031	12	524	1	2.46	28	10	35	17	3.16	<15	1.16	14	15	0.82	777
FRCJ032	11	486	1	2.38	33	12	45	31	3.78	<15	1.13	17	20	1.08	695
FRCJ033	15	450	1	3.04	21	14	43	29	4.14	<15	0.91	13	16	1.33	799
FRCJ034	<10	611	1	2.60	35	11	28	19	4.08	<15	1.45	23	30	1.17	758
FRCJ035	<10	592	2	2.53	55	12	30	12	5.07	<15	1.56	23	28	1.24	851
FRCJ036	<10	588	1	2.70	32	11	49	81	3.62	<15	1.22	13	18	1.26	703
FRCJ037	<10	513	1	2.40	34	10	28	56	3.55	<15	1.16	13	15	0.91	929
FRCJ038	10	444	1	3.20	32	14	35	26	5.00	<15	0.94	13	22	1.39	924
FRCJ039	10	435	1	2.26	25	19	137	26	3.98	<15	0.95	12	17	1.46	878
FRCJ040	<10	415	1	1.58	15	45	789	54	4.51	<15	0.92	13	17	2.61	835
FRCJ041	<10	415	1	2.57	24	24	313	31	4.40	<15	1.01	12	19	2.20	853
FRCJ042	<10	1278	2	1.27	41	11	65	63	3.31	<15	1.53	23	30	1.15	563
FRCJ043	<10	510	1	2.54	25	12	25	18	3.84	<15	1.20	14	15	0.97	942
FRCJ044	<10	630	1	3.17	37	14	39	20	4.85	<15	0.95	13	18	1.42	963
FRCJ045	10	1295	1	0.57	54	12	49	45	3.61	<15	1.69	27	22	0.88	876
FRCJ046	<10	469	1	2.51	51	14	43	18	4.55	<15	1.32	24	20	1.25	877
FRCJ047	<10	372	1	2.44	27	14	57	19	3.91	<15	0.90	12	12	1.19	889
FRCJ048	<10	243	1	3.84	29	21	109	17	6.29	<15	0.57	12	12	2.02	1153
FRCJ049	17	447	1	2.88	52	19	86	45	4.94	<15	1.32	23	21	1.82	838
FRCJ050	21	385	1	2.76	51	17	87	40	4.44	<15	1.39	24	25	1.70	723
FRCJ001	<10	678	1	1.89	34	6	15	13	2.87	<15	1.88	17	18	0.82	561
FRCJ002	<10	693	1	3.14	36	13	29	17	4.29	<15	1.24	17	20	1.33	1029
FRCJ003	15	682	2	2.42	43	9	27	16	3.42	<15	1.45	23	24	0.93	645
FRCJ004	<10	596	2	3.08	50	15	44	27	4.75	<15	0.97	23	24	1.34	917
FRCJ005	11	542	2	3.06	35	9	30	12	3.79	<15	1.02	13	19	1.04	801
FRCJ006	10	389	2	3.69	37	14	20	13	5.86	<15	0.59	13	13	1.51	1233
FRCJ007	10	709	2	2.56	35	14	67	24	4.60	<15	1.02	17	38	1.51	623
FRCJ008	13	549	2	3.26	43	12	33	21	4.18	<15	1.23	23	18	1.27	736
FRCJ009	<10	670	2	3.59	55	17	19	20	6.48	<15	1.07	27	23	1.73	1190
FRCJ010	<10	537	3	1.57	92	5	18	12	3.39	<15	1.35	44	40	0.60	762
FRCJ011	<10	428	2	2.57	61	11	11	9	4.34	<15	1.12	34	32	1.13	740
FRCJ012	10	365	3	2.42	52	11	10	7	4.90	<15	1.05	33	22	1.06	683
FRCJ013	10	590	2	3.34	51	11	36	20	4.84	<15	1.22	23	32	1.30	1032
FRCJ014	<10	533	2	3.38	46	15	21	22	5.81	<15	0.90	22	20	1.52	1101
FRCJ015	<10	389	2	3.83	60	16	45	28	5.99	<15	0.90	24	32	1.42	1056
FRCJ016	<10	467	2	3.37	38	9	10	5	4.22	<15	0.81	23	14	1.03	580
FRCJ017	<10	480	2	2.55	30	12	5	12	5.83	<15	1.05	13	26	1.08	1018
FRCJ018	<10	423	1	1.70	30	6	16	10	2.48	<19	1.03	13	14	0.56	421
FRCJ019	11	471	1	3.24	35	18	59	35	5.97	<15	0.84	13	19	1.84	1114
FRCJ020	<10	582	2	3.42	42	16	66	24	5.02	<15	1.26	17	24	1.82	1098
FRCJ021	<10	529	2	2.81	33	9	32	10	3.15	<15	1.24	13	19	1.13	742
FRCJ022	18	641	2	2.34	34	8	25	14	3.32	<15	1.81	13	23	0.97	613

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
FRC0018	<4	1.65	10	30	454	23	12	233	10	4355	133	17	102	30
FRC0019	<4	1.62	12	23	716	117	11	230	8	4268	119	17	105	33
FRC0020	<4	1.68	14	20	980	19	11	264	11	4693	121	17	93	30
FRC0021	<4	1.28	9	137	475	20	17	197	7	3430	123	13	80	25
FRC0022	<4	1.66	14	18	793	19	12	256	13	4944	131	13	92	28
FRC0023	<4	1.83	13	17	816	50	11	283	11	4565	117	13	90	27
FRC0024	<4	1.75	14	13	757	80	14	283	11	5024	129	21	90	32
FRC0025	<4	1.52	14	20	867	21	12	257	9	4763	126	13	95	29
FRC0026	<4	1.51	14	17	976	37	13	254	14	5205	137	23	107	30
FRC0027	<4	1.42	9	46	505	32	11	216	14	3961	113	13	116	32
FRC0028	<4	1.37	11	116	572	28	12	192	8	4130	116	23	76	31
FRC0029	<4	1.46	9	25	430	35	11	208	12	3984	115	13	152	35
FRC0030	<4	1.53	9	23	262	73	12	219	11	5544	123	17	71	44
FRC0031	<4	1.72	7	19	346	18	12	261	4	4049	108	17	71	26
FRC0032	<4	1.48	8	27	364	17	13	229	5	4263	123	13	115	25
FRC0033	<4	1.46	8	23	444	30	16	249	6	4363	153	13	107	21
FRC0034	<4	1.73	11	15	1031	82	11	252	7	4381	116	17	143	24
FRC0035	<4	1.54	16	13	830	17	13	292	24	5775	161	22	84	46
FRC0036	<4	1.70	10	25	598	80	13	245	6	3872	127	13	224	22
FRC0037	<4	1.91	9	13	771	29	12	278	7	4906	123	13	132	24
FRC0038	<4	1.83	8	18	518	23	19	258	2	4829	173	23	87	19
FRC0039	<4	1.41	8	53	266	31	16	185	<2	4991	150	17	69	30
FRC0040	<4	1.57	5	618	335	28	10	132	<2	2926	96	12	73	21
FRC0041	<4	1.31	6	238	479	28	14	179	6	4362	135	14	73	25
FRC0042	<4	1.80	9	43	448	16	10	179	6	3676	136	13	121	36
FRC0043	<4	1.92	7	12	284	<10	14	255	<2	5611	142	20	73	25
FRC0044	<4	1.44	10	16	752	13	17	225	11	5894	189	24	88	26
FRC0045	<4	1.05	12	25	377	13	11	146	7	5869	125	13	91	22
FRC0046	<4	1.54	3	21	456	13	16	197	<2	7004	162	33	84	23
FRC0047	<4	1.47	8	25	358	15	15	222	<2	5894	155	13	72	28
FRC0048	<4	1.56	10	38	369	<10	21	250	3	8478	256	22	97	26
FRC0049	<4	1.52	11	44	556	20	18	205	14	6782	191	23	95	22
FRC0050	<4	1.69	9	44	495	22	16	204	13	6643	169	23	81	18
FRCE001	<4	2.43	14	5	544	<10	8	269	9	3656	78	13	68	32
FRCE002	<4	1.79	11	15	649	71	14	285	2	5846	155	24	90	20
FRCE003	<4	2.44	10	44	596	136	10	231	7	3244	80	23	775	16
FRCE004	<4	1.68	14	22	1303	35	14	293	9	5307	114	17	126	10
FRCE005	<4	1.88	11	14	841	202	12	293	9	4268	88	13	183	24
FRCE006	<4	1.46	14	8	1156	34	18	297	7	8645	181	23	110	25
FRCE007	<4	1.31	11	40	966	19	13	263	2	4351	110	13	111	29
FRCE008	<4	1.54	12	14	690	71	14	260	8	3990	100	23	104	16
FRCE009	<4	1.53	16	14	1383	16	18	288	8	7605	147	23	202	45
FRCE010	<4	2.46	21	18	769	18	9	165	25	3159	46	23	274	47
FRCE011	<4	2.00	15	7	444	12	12	284	25	5497	113	24	106	37
FRCE012	<4	1.79	18	7	224	11	13	237	25	5095	107	20	79	25
FRCE013	<4	1.68	17	18	1115	21	13	306	11	6224	119	24	96	55
FRCE014	<4	1.50	11	9	1977	14	14	328	5	6756	150	24	147	18
FRCE015	<4	1.70	16	21	3346	<10	13	402	7	7252	124	24	101	5
FRCE016	<4	2.12	11	5	812	<10	14	304	14	5182	107	24	77	56
FRCE017	<4	1.69	12	5	965	<10	12	259	3	8710	130	23	96	48
FRCE018	<4	1.26	8	11	392	11	9	172	16	2310	59	17	176	78
FRCE019	<4	1.42	10	27	849	15	20	234	7	6456	177	23	164	19
FRCE020	<4	1.74	10	24	959	17	20	230	5	5714	145	27	120	36
FRCE021	<4	2.38	8	12	499	19	11	290	5	3303	75	17	74	27
FRCE022	<4	2.11	12	12	747	64	11	205	16	3436	86	21	56	67

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	ITEM	COND	ALK	SIZE	WIDE	S-OP	ODUR	CUN1	CUN2	CUN3	FORM
FRCE023	36.288	118.782	07	82680				4	1	1				6	QTRN
FRCE024	36.290	118.758	07	82680				4	1	1				2	QTRN
FRCE025	36.281	118.828	07	82680				4	1	1				2	LNKN
FRCE026	36.288	118.840	07	82680				4	1	1				2	LNKN
FRCF001	36.464	118.634	07	82580				4	1	1				6	LNKN
FRCF002	36.454	118.602	07	82580				4	1	1				6	LNKN
FRCF003	36.472	118.645	07	82580				4	1	1				2	LNKN
FRCF004	36.276	118.744	07	82680				4	1	1				6	QTRN
FRCF005	36.286	118.726	07	82680				4	1	1				2	QTRN
FRCH001	36.492	118.090	07	82080				4	1	1				2	QTRN
FRCH002	36.489	118.047	07	82080				4	1	1				6	QTRN
FRCH003	36.475	118.034	07	82080				4	1	1				6	QTRN
FRCH004	36.456	118.034	07	82080				4	1	1				6	QTRN
FRCH005	36.440	118.043	07	82080				4	1	1				2	QTRN
FRCH006	36.427	118.055	07	82080				4	1	1				2	QTRN
FRCH007			07	82080				4	1	1				2	QTRN
FRCH008	36.414	118.010	07	82080				4	1	1				2	QTRN
FRCH009	36.390	118.042	07	82080				4	1	1				2	QTRN
FRCH010	36.390	118.022	07	82080				4	1	1				6	QTRN
FRCH011	36.360	118.023	07	82080				4	1	1				6	QTRN
FRCH012	36.325	118.025	07	82080				4	1	1				6	QTRN
FRCH013	36.292	118.016	07	82080				4	1	1				6	QTRN
FRCH014	36.269	118.006	07	82080				4	1	1				6	QTRN
FRDA001	36.138	119.776	07	81580				4	1	1				7	QTRN
FRDA002	36.138	119.811	07	81580				3	1	1				7	QTRN
FRDA003	36.138	119.851	07	81580				4	1	1				7	QTRN
FRDA004	36.170	119.851	07	81580				3	1	1				7	QTRN
FRDA005	36.236	119.859	07	81580				4	1	1				7	QTRN
FRDA006	36.202	119.851	07	81580				3	1	1				7	QTRN
FRDA007	36.240	119.776	07	81680				3	1	1				7	QTRN
FRDA008	36.233	119.815	07	81680				3	1	1				7	QTRN
FRDA009	36.203	119.815	07	81680				3	1	1				7	QTRN
FRDA010	36.204	119.770	07	81680				3	1	1				7	QTRN
FRDA011	36.174	119.770	07	81680				3	1	1				7	QTRN
FRDA012	36.172	119.815	07	81680				3	1	1				7	QTRN
FRDA013	36.108	119.806	07	81880				4	1	1				7	QTRN
FRDA014	36.107	119.769	07	81880				4	1	1				7	QTRN
FRDA015	36.079	119.770	07	81880				4	1	1				7	QTRN
FRDA016	36.079	119.810	07	81680				4	1	1				7	QTRN
FRDA017	36.049	119.812	07	81880				4	1	1				7	QTRN
FRDA018	36.049	119.770	07	81880				4	1	1				7	QTRN
FRDA019	36.020	119.771	07	81880				4	1	1				7	QTRN
FRDA020	36.020	119.815	07	81880				4	1	1				7	QTRN
FRDA021	36.016	119.860	07	81880				4	1	1				7	QTRN
FRDA022	36.046	119.859	07	81880				4	1	1				7	QTRN
FRDA024	36.109	119.853	07	81880				4	1	1				7	QTRN
FRDA025	36.079	119.855	07	81880				4	1	1				7	QTRN
FRDA026	36.044	119.856	07	81880				4	1	1				7	QTRN
FRDA027	36.015	119.856	07	81880				4	1	1				7	QTRN
FRDA028	36.014	119.941	07	81880				4	1	1				7	QTRN
FRDA029	36.014	119.978	07	81880				3	1	1				7	QTRN
FRDA030	36.007	119.991	08	81880				3	1	1				9	LNKN
FRDA031	36.044	119.985	07	81880				3	1	1				7	QTRN
FRDA032	36.046	119.940	07	81880				4	1	1				7	QTRN
FRDA033	36.110	119.859	07	81880				4	1	1				7	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-FL	U-NT	AG	AL
FRCE023	10		26.00	01	1	1	2	2	2	NJ1110		4.50	<2	8.08
FRCE024	10		40.00	01	1	1	2	2	2	NJ1110		10.30	<2	11.57
FRCE025	10		42.00	04	1	1	2	2	2	NJ1110		9.50	<2	10.18
FRCE026	10		45.00	04	1	1	2	2	2	NJ1110		10.20	<2	11.39
FRCF001	10		75.00	04	1	1	2	2	2	NJ1110		10.10	<2	8.97
FRCF002	10		53.00	04	1	1	2	2	2	NJ1110		6.00	<2	6.94
FRCF003	10		59.00	04	1	1	2	2	3	NJ1110		17.10	<2	9.66
FRCF004	10		45.00	01	1	1	2	2	1	NJ1110		4.90	<2	7.74
FRCF005	10		43.00	01	1	1	1	2	2	NJ1110		9.20	<2	11.40
FRCH001	10		40.00	01	1	1	2	3	1	NJ1110		7.80	<2	8.83
FRCH002	10		52.00	01	1	1	1	3	1	NJ1110		8.10	<2	7.01
FRCH003	10		37.00	01	1	1	1	3	1	NJ1110		6.50	<2	7.86
FRCH004	10		55.00	01	1	1	1	3	1	NJ1110		8.30	<2	7.88
FRCH005	10		35.00	01	1	1	1	3	1	NJ1110		11.00	<2	7.58
FRCH006	10		52.00	01	1	1	2	3	1	NJ1110		11.40	<2	7.96
FRCH007	10		53.00	01	1	1	2	3	1			10.50	<2	7.96
FRCH008	10		46.00	01	1	1	1	3	1	NJ1110		9.10	<2	7.59
FRCH009	10		47.00	01	1	1	1	3	1	NJ1110		14.70	<2	7.57
FRCH010	10		39.00	01	1	1	1	3	1	NJ1110		7.80	<2	7.50
FRCH011	10		37.00	01	1	1	1	3	1	NJ1110		3.90	<2	7.79
FRCH012	10		38.00	01	1	1	1	4	1	NJ1110		3.90	<2	7.37
FRCH013	10		31.00	01	1	1	1	3	1	NJ1110		3.20	<2	7.53
FRCH014	10		33.00	01	1	1	1	3	1	NJ1110		5.50	<2	7.36
FRDA001	10		26.00	10	1	1	1	4	2	NJ1110		4.20	<2	6.67
FRDA002	10		28.00	10	1	1	1	4	2	NJ1110		4.60	<2	7.30
FRDA003	10		28.00	10	1	1	1	4	2	NJ1110		3.40	<2	6.77
FRDA004	10		22.00	10	1	1	1	4	2	NJ1110		3.80	<2	5.55
FRDA005	10		26.00	10	1	1	1	4	2	NJ1110		5.00	<2	7.14
FRDA006	10		26.00	10	1	1	1	4	2	NJ1110		8.00	<2	6.64
FRDA007	10		26.00	10	1	1	1	4	2	NJ1110		5.10	<2	7.66
FRDA008	10		19.00	10	1	1	1	4	2	NJ1110		3.80	<2	7.00
FRDA009	10		28.00	10	1	1	1	4	2	NJ1110		6.30	<2	7.26
FRDA010	10		22.00	10	1	1	1	4	2	NJ1110		7.10	<2	7.41
FRDA011	10		26.00	10	1	1	1	4	2	NJ1110		4.50	<2	7.58
FRDA012	10		27.00	10	1	1	1	4	2	NJ1110		3.60	<2	6.14
FRDA013	10		30.00	10	1	1	1	4	2	NJ1110		3.70	<2	6.25
FRDA014	10		28.00	10	1	1	1	4	2	NJ1110		4.00	<2	6.45
FRDA015	10		30.00	10	1	1	1	4	2	NJ1110		3.90	<2	6.94
FRDA016	10		32.00	10	1	1	1	4	2	NJ1110		3.70	<2	5.72
FRDA017	10		29.00	10	1	1	1	4	2	NJ1110		4.20	<2	6.07
FRDA018	10		28.00	10	1	1	1	4	2	NJ1110		3.90	<2	6.16
FRDA019	10		30.00	10	1	1	1	4	2	NJ1110		3.80	<2	5.95
FRDA020	10		28.00	10	1	1	1	4	2	NJ1110		3.90	<2	5.66
FRDA021	10		29.00	10	1	1	1	4	2	NJ1110		3.70	<2	6.35
FRDA022	10		28.00	10	1	1	1	4	2	NJ1110		5.70	<2	6.21
FRDA024	10		28.00	10	1	1	1	4	2	NJ1110		4.10	<2	6.67
FRDA025	10		25.00	10	1	1	1	4	2	NJ1110		4.50	<2	6.39
FRDA026	10		26.00	10	1	1	1	4	2	NJ1110		4.60	<2	5.76
FRDA027	10		28.00	10	1	1	1	4	2	NJ1110		4.20	<2	5.93
FRDA028	10		25.00	10	1	1	1	4	2	NJ1110		4.40	<2	6.32
FRDA029	10		20.00	10	1	1	2	4	2	NJ1110		2.00	<2	7.40
FRDA030	10		24.00	07	1	1	3	4	2	NJ1110		3.50	<2	6.92
FRDA031	10		15.00	10	1	1	2	4	2	NJ1110		1.90	<2	7.22
FRDA032	10		23.00	10	1	1	1	4	2	NJ1110		3.10	<2	6.87
FRDA033	10		25.00	10	1	1	1	4	2	NJ1110		2.70	<2	6.80

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRCE023	62	580	2	1.90	46	17	63	18	4.84	<15	1.21	24	27	1.35	905
FRCE024	32	690	2	1.55	68	12	23	20	4.29	<15	1.23	37	30	1.11	857
FRCE025	19	414	3	0.69	56	5	28	14	2.45	<15	1.71	23	66	0.41	663
FRCE026	10	197	3	0.48	59	<4	7	7	1.46	<15	1.48	44	74	0.12	586
FRCF001	<10	619	2	2.62	52	13	22	14	4.39	<15	1.44	31	32	1.33	810
FRCF002	13	633	3	0.83	55	9	27	23	2.84	<15	1.68	30	36	0.56	954
FRCF003	<10	589	2	2.75	42	14	21	26	4.21	<15	1.25	30	40	1.38	896
FRCF004	32	647	2	2.07	52	13	47	41	4.43	<15	1.60	24	34	1.18	756
FRCF005	<10	942	2	0.17	110	6	11	6	3.41	<15	2.65	50	51	0.40	546
FRCH001	29	555	3	1.67	126	6	7	29	3.41	<15	1.70	60	63	0.71	1063
FRCH002	12	530	3	1.95	94	6	17	18	4.29	<15	1.69	43	26	0.61	639
FRCH003	22	776	3	2.29	90	7	16	33	2.42	<15	1.87	43	49	0.88	600
FRCH004	<10	624	3	2.76	108	14	28	37	5.13	<15	1.65	50	36	1.55	934
FRCH005	<10	570	2	3.43	117	16	40	27	7.67	<15	1.31	56	22	1.69	951
FRCH006	<10	571	2	3.32	131	15	28	30	5.13	<15	1.45	60	25	1.65	973
FRCH007	<10	582	3	3.97	136	20	52	42	7.23	<15	1.32	70	27	2.33	1213
FRCH008	<10	629	3	2.42	122	7	15	15	3.82	<15	1.73	62	30	0.92	671
FRCH009	21	520	3	2.26	146	11	20	37	4.50	<15	1.91	70	36	1.15	914
FRCH010	15	751	3	2.17	78	7	12	61	3.49	<15	1.80	44	41	0.90	769
FRCH011	25	1022	2	2.06	73	7	13	24	3.59	<15	1.83	37	36	0.87	1000
FRCH012	20	966	2	2.04	61	5	9	42	2.60	<15	1.82	31	37	0.66	709
FRCH013	25	836	2	3.04	84	10	27	35	3.84	<15	1.58	44	37	1.32	993
FRCH014	<10	915	2	3.20	120	13	63	22	5.52	<15	1.27	62	23	1.47	1300
FRDA001	63	518	1	4.47	41	12	67	36	3.79	<15	1.26	22	62	1.57	578
FRDA002	28	583	2	3.08	50	10	53	20	3.34	<15	1.13	24	28	1.26	605
FRDA003	65	501	1	4.44	40	14	76	36	3.97	<15	1.31	10	67	1.68	622
FRDA004	75	482	1	1.66	27	9	66	20	2.36	<15	1.07	12	37	1.56	293
FRDA005	51	515	1	1.31	37	13	87	40	3.85	<15	1.08	10	51	1.57	295
FRDA006	37	590	2	3.00	38	11	56	21	3.11	<15	1.26	22	32	1.10	469
FRDA007	11	645	2	3.02	42	9	51	14	3.33	<15	1.31	24	22	1.30	675
FRDA008	53	641	2	2.98	48	9	44	12	3.11	<15	1.25	24	21	1.27	645
FRDA009	76	627	2	2.50	52	11	50	20	3.27	<15	1.32	20	36	1.32	507
FRDA010	44	625	2	2.20	46	11	53	19	3.34	<15	1.33	20	34	1.35	566
FRDA011	32	621	2	2.53	46	10	51	22	3.44	<15	1.47	20	40	1.37	521
FRDA012	15	511	2	2.47	42	8	37	7	2.65	<15	1.00	24	16	1.00	598
FRDA013	71	469	1	6.33	42	13	67	34	3.89	<15	1.22	24	66	1.93	632
FRDA014	40	454	2	5.33	47	13	63	36	3.79	<15	1.27	20	64	1.76	629
FRDA015	64	485	1	6.51	39	12	61	32	3.66	<15	1.22	20	62	1.83	647
FRDA016	33	438	1	7.21	32	12	61	31	3.57	<15	1.14	10	65	2.00	621
FRDA017	56	506	1	6.47	42	12	57	31	3.53	<15	1.18	22	59	1.76	655
FRDA018	65	491	1	7.16	38	11	61	34	3.63	<15	1.23	10	67	1.86	659
FRDA019	46	481	1	7.14	35	11	61	34	3.59	<15	1.17	10	65	1.95	632
FRDA020	28	439	1	7.45	42	12	60	32	3.58	<15	1.01	20	56	1.84	600
FRDA021	57	493	1	6.28	43	12	65	34	3.78	<15	1.32	12	70	1.89	627
FRDA022	41	491	1	6.59	36	11	61	33	3.68	<15	1.22	10	67	1.82	719
FRDA024	54	490	1	5.11	41	14	74	37	4.06	<15	1.22	24	66	1.71	626
FRDA025	78	456	1	5.26	35	14	81	37	4.04	<15	1.05	10	59	1.84	578
FRDA026	58	454	1	6.48	45	13	66	31	3.68	<15	0.97	24	55	1.73	623
FRDA027	67	462	1	7.09	39	13	67	32	3.62	<15	1.10	10	62	1.83	658
FRDA028	55	483	2	5.17	35	13	73	46	3.68	<15	1.17	10	56	1.68	535
FRDA029	21	619	2	1.77	25	12	82	36	3.41	<15	1.30	14	28	1.19	506
FRDA030	33	613	2	1.79	28	11	70	44	3.54	<15	1.01	14	26	1.05	366
FRDA031	19	592	2	2.20	25	12	80	38	3.51	<15	1.12	12	23	1.17	518
FRDA032	62	535	2	3.27	30	14	90	57	3.69	<15	1.29	10	56	1.64	490
FRDA033	40	594	1	2.55	34	11	73	45	2.63	<15	1.20	10	35	1.25	351

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MU	NA	NB	NI	P	PB	SC	SR	TH	TI	V	Y	ZN	ZR
FRCE023	<4	0.99	13	24	544	<10	14	180	8	5361	137	15	76	27
FRCE024	<4	1.23	13	13	1255	11	12	200	22	4720	105	24	104	31
FRCE025	<4	1.85	17	19	550	28	6	87	33	2066	48	12	81	118
FRCE026	<4	2.38	19	2	229	30	6	39	37	628	11	59	66	138
FRCF001	<4	1.96	14	13	1152	27	9	411	33	4845	122	11	91	27
FRCF002	<4	0.83	14	17	1353	34	8	193	15	3022	69	14	151	57
FRCF003	<4	2.01	9	14	1746	<10	9	423	20	4679	117	9	112	19
FRCF004	<4	1.41	13	19	808	<10	11	202	8	4661	104	22	90	39
FRCF005	<4	0.41	20	6	189	<10	8	36	23	2835	44	39	88	73
FRCH001	<4	2.61	28	9	1480	13	6	352	28	4424	60	21	150	23
FRCH002	<4	2.94	22	7	1105	20	5	306	25	4229	98	16	64	29
FRCH003	<4	2.71	19	10	1428	235	6	455	20	4139	85	15	128	35
FRCH004	<4	2.15	25	18	1668	29	12	402	42	5652	142	24	109	33
FRCH005	<4	2.03	26	16	1645	<10	15	487	59	6242	227	29	78	42
FRCH006	<4	2.17	28	41	1965	<10	15	458	48	6379	149	29	555	37
FRCH007	<4	1.79	29	28	2728	<10	19	425	35	8053	214	32	174	33
FRCH008	<4	2.44	26	8	1432	52	8	402	37	4505	98	23	71	29
FRCH009	<4	2.14	31	9	1990	41	10	277	51	5782	117	33	93	47
FRCH010	8	2.38	17	6	1503	67	8	367	25	4283	88	19	103	25
FRCH011	<4	2.24	15	8	1375	92	9	336	15	3983	84	22	111	31
FRCH012	<4	2.57	13	4	1011	121	6	384	8	3038	59	14	100	29
FRCH013	<4	2.42	16	12	1654	90	12	395	7	4875	103	21	111	19
FRCH014	<4	2.24	22	20	1980	17	15	359	14	6854	154	25	55	27
FRDA001	<4	0.88	11	57	976	10	10	350	4	3049	103	13	95	34
FRDA002	<4	1.58	12	41	805	14	11	315	12	3729	97	17	67	27
FRDA003	<4	0.80	10	71	946	<10	10	342	14	3035	112	15	103	37
FRDA004	5	2.28	6	57	606	<10	7	273	42	2507	69	9	55	38
FRDA005	<4	0.90	8	78	415	<10	11	202	5	3045	131	15	87	41
FRDA006	<4	1.77	13	40	927	<10	10	293	7	3604	95	17	107	33
FRDA007	<4	2.07	14	31	823	<10	11	335	7	4295	92	17	66	25
FRDA008	<4	2.18	14	40	768	11	11	345	3	4002	85	17	386	26
FRDA009	<4	2.54	14	41	557	<10	10	314	9	3681	97	15	188	24
FRDA010	<4	2.41	13	39	658	<10	10	292	9	3765	89	15	96	27
FRDA011	<4	1.80	12	40	706	<10	10	313	5	3833	103	15	92	26
FRDA012	<4	1.61	13	20	726	11	10	276	9	3915	79	15	50	24
FRDA013	<4	0.59	11	60	1111	13	10	454	13	2873	105	12	110	35
FRDA014	<4	0.80	11	59	1056	<10	10	410	11	2943	102	12	207	33
FRDA015	<4	0.72	12	56	1084	<10	9	471	10	2812	103	12	98	32
FRDA016	<4	0.63	12	55	1119	<10	9	504	3	2644	97	11	96	31
FRDA017	<4	0.78	12	50	1001	13	9	472	11	2842	95	12	64	31
FRDA018	<4	0.68	11	52	1050	<10	9	504	10	2815	99	12	90	32
FRDA019	<4	0.61	11	54	1059	<10	9	513	8	2725	95	11	105	31
FRDA020	<4	0.55	14	53	1019	<10	9	489	14	2553	97	11	97	28
FRDA021	<4	0.71	12	62	1055	<10	10	468	11	2853	103	12	235	32
FRDA022	<4	0.67	10	56	1078	<10	9	462	7	2820	103	12	129	30
FRDA024	<4	0.69	10	69	1017	<10	11	393	10	3056	114	15	96	37
FRDA025	<4	0.63	10	72	935	<10	11	390	6	2971	120	12	99	41
FRDA026	<4	0.67	11	59	859	<10	10	427	14	2717	106	12	87	33
FRDA027	<4	0.69	12	59	959	<10	9	470	11	2708	103	12	91	32
FRDA028	<4	0.87	10	62	935	11	10	382	7	2835	111	12	94	39
FRDA029	<4	1.67	6	62	490	10	9	325	3	3627	113	11	69	49
FRDA030	<4	1.58	6	45	521	10	9	313	7	3759	108	11	63	44
FRDA031	<4	1.68	7	51	630	<10	9	392	4	3777	123	15	74	47
FRDA032	<4	1.12	9	81	842	<10	11	302	7	2894	115	15	86	48
FRDA033	<4	1.55	8	60	978	13	8	321	8	2534	85	12	61	41

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LCNG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-DP	ODOR	COH1	CUN2	CUN3	FURN
FRDA034	36.233	119.904	07	81980				3	1	1				7	QTRN
FRDA035	36.205	119.905	07	81980				3	1	1				7	QTRN
FRDA036	36.172	119.905	07	81980				3	1	1				7	QTRN
FRDA037	36.138	119.896	07	81980				3	1	1				7	QTRN
FRDA038	36.138	119.940	07	81980				3	1	1				7	QTRN
FRDA039	36.173	119.941	07	81980				3	1	1				7	QTRN
FRDA040	36.203	119.941	07	81980				3	1	1				7	QTRN
FRDA041	36.234	119.940	07	81980				3	1	1				7	QTRN
FRDA042	36.233	119.977	07	81980				3	1	1				7	QTRN
FRDA043	36.204	119.977	07	81980				3	1	1				7	QTRN
FRDA044	36.172	119.977	07	81980				3	1	1				7	QTRN
FRDA045	36.138	119.977	07	81980				3	1	1				7	QTRN
FRDA046	36.109	119.940	07	81980				3	1	1				7	QTRN
FRDA047	36.109	119.980	07	81980				3	1	1				7	QTRN
FRDA048	36.080	119.980	07	81980				3	1	1				7	QTRN
FRDA049	36.076	119.940	07	81980				3	1	1				7	QTRN
FRDB001	36.236	119.599	07	81280				3	1	1				7	QTRN
FRDB002	36.210	119.608	07	81280				3	1	1				7	QTRN
FRDB003	36.168	119.601	07	81280				3	1	1				7	QTRN
FRDB004	36.138	119.606	07	81280				3	1	1				7	QTRN
FRDB005	36.136	119.563	07	81280				3	1	1				7	QTRN
FRDB006	36.138	119.519	07	81280				3	1	1				7	QTRN
FRDB007	36.170	119.510	07	81280				3	1	1				7	QTRN
FRDB008	36.206	119.512	07	81280				3	1	1			8	7	QTRN
FRDB009	36.233	119.510	07	81280				3	1	1				7	QTRN
FRDB010	36.208	119.565	07	81280				3	1	1				7	QTRN
FRDB011	36.172	119.563	07	81280				3	1	1			7	8	QTRN
FRDB012	36.232	119.568	07	81280				3	1	1			7	8	QTRN
FRDB013	36.111	119.562	07	81380				3	1	1				7	QTRN
FRDB014	36.110	119.517	07	81380				3	1	1			8	7	QTRN
FRDB015	36.079	119.518	07	81380				3	1	1				7	QTRN
FRDB016	36.050	119.525	07	81380				3	1	1				7	QTRN
FRDB017	36.014	119.517	07	81380				3	1	1				7	QTRN
FRDB018	36.021	119.561	07	81380				3	1	1				7	QTRN
FRDB019	36.021	119.607	07	81380				3	1	1				7	QTRN
FRDB020	36.052	119.563	07	81380				3	1	1				7	QTRN
FRDB021	36.050	119.606	07	81380				3	1	1				7	QTRN
FRDB022	36.079	119.606	07	81380				3	1	1				7	QTRN
FRDB023	36.080	119.563	07	81380				3	1	1				7	QTRN
FRDB024	36.110	119.606	07	81380				3	1	1				7	QTRN
FRDB025	36.233	119.636	07	81480				3	1	1				7	QTRN
FRDB026	36.204	119.645	07	81480				3	1	1				7	QTRN
FRDB027	36.168	119.645	07	81480				3	1	1				7	QTRN
FRDB028	36.138	119.645	07	81480				3	1	1				7	QTRN
FRDB029	36.109	119.643	07	81480				3	1	1				7	QTRN
FRDB030	36.079	119.645	07	81480				3	1	1				7	QTRN
FRDB031	36.043	119.645	07	81480				3	1	1				7	QTRN
FRDB032	36.021	119.649	07	81480				4	1	1				7	QTRN
FRDB033	36.020	119.687	07	81480				4	1	1				7	QTRN
FRDB034	36.020	119.722	07	81480				4	1	1				7	QTRN
FRDB035	36.049	119.732	07	81480				4	1	1				7	QTRN
FRDB036	36.049	119.686	07	81480				4	1	1				7	QTRN
FRDB037	36.079	119.687	07	81480				4	1	1				7	QTRN
FRDB038	36.079	119.732	07	81480				4	1	1				7	QTRN
FRDB039	36.109	119.733	07	81480				4	1	1				7	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	I'VEG	DVEG	MAP	U-F	U-NT	AG	AL
FRDA034	10		29.00	10	1	1	1	4	2	NJ1110		2.70	<2	7.27
FRDA035	10		27.00	10	1	1	1	4	2	NJ1110		2.60	<2	7.50
FRDA036	10		22.00	10	1	1	1	4	2	NJ1110		2.30	<2	7.54
FRDA037	10		23.00	10	1	1	1	4	2	NJ1110		2.70	<2	7.29
FRDA038	10		25.00	10	1	1	1	4	2	NJ1110		2.30	<2	6.71
FRDA039	10		23.00	10	1	1	1	4	2	NJ1110		2.20	<2	7.59
FRDA040	10		20.00	10	1	1	1	4	2	NJ1110		2.10	<2	6.79
FRDA041	10		20.00	10	1	1	1	4	2	NJ1110		1.90	<2	7.19
FRDA042	10		19.00	10	1	1	1	4	2	NJ1110		2.40	<2	7.50
FRDA043	10		23.00	10	1	1	1	4	2	NJ1110		2.20	<2	7.52
FRDA044	10		24.00	10	1	1	1	4	2	NJ1110		2.10	<2	7.25
FRDA045	10		17.00	10	1	1	1	4	2	NJ1110		2.30	<2	7.20
FRDA046	10		23.00	10	1	1	1	4	2	NJ1110		2.20	<2	7.12
FRDA047	10		16.00	10	1	1	1	4	2	NJ1110		2.20	<2	7.16
FRDA048	10		23.00	10	1	1	1	4	2	NJ1110		2.10	<2	7.59
FRDA049	10		23.00	10	1	1	1	4	2	NJ1110		2.30	<2	6.93
FRDB001	10		35.00	10	1	1	1	4	2	NJ1110		6.70	<2	7.43
FRDB002	10		33.00	10	1	1	1	4	2	NJ1110		6.90	<2	7.75
FRDB003	10		29.00	10	1	1	1	4	2	NJ1110		4.00	<2	7.40
FRDB004	10		30.00	10	1	1	1	4	2	NJ1110		4.80	<2	7.18
FRDB005	10		29.00	10	1	1	1	4	2	NJ1110		3.60	<2	6.89
FRDB006	10		28.00	10	1	1	1	4	2	NJ1110		7.00	<2	7.64
FRDB007	10		28.00	10	1	1	1	4	2	NJ1110		7.60	<2	7.67
FRDB008	10		29.00	10	1	1	1	4	2	NJ1110		4.70	<2	7.69
FRDB009	10		28.00	10	1	1	1	4	2	NJ1110		7.00	<2	7.86
FRDB010	10		34.00	10	1	1	1	4	2	NJ1110		9.60	<2	7.61
FRDB011	10		25.00	10	1	1	1	4	2	NJ1110		7.30	<2	5.89
FRDB012	10		27.00	10	1	1	1	4	2	NJ1110		7.40	<2	8.15
FRDB013	10		33.00	10	1	1	1	4	2	NJ1110		3.10	<2	7.25
FRDB014	10		35.00	10	1	1	1	4	2	NJ1110		5.50	<2	7.58
FRDB015	10		33.00	10	1	1	1	4	2	NJ1110		6.20	<2	7.50
FRDB016	10		27.00	10	1	1	1	4	2	NJ1110		4.00	<2	7.38
FRDB017	10		21.00	10	1	1	1	4	2	NJ1110		2.90	<2	7.17
FRDB018	10		29.00	10	1	1	1	4	2	NJ1110		3.60	<2	8.04
FRDB019	10		30.00	10	1	1	1	4	2	NJ1110		3.90	<2	6.75
FRDB020	10		28.00	10	1	1	1	4	2	NJ1110		3.40	<2	8.01
FRDB021	10		21.00	10	1	1	1	4	2	NJ1110		4.10	<2	7.15
FRDB022	10		26.00	10	1	1	1	4	2	NJ1110		4.00	<2	7.85
FRDB023	10		23.00	10	1	1	1	4	2	NJ1110		3.30	<2	7.78
FRDB024	10		26.00	10	1	1	1	4	2	NJ1110		3.70	<2	7.55
FRDB025	10		27.00	10	1	1	1	4	2	NJ1110		7.00	<2	7.19
FRDB026	10		30.00	10	1	1	1	4	2	NJ1110		6.40	<2	7.62
FRDB027	10		34.00	10	1	1	1	4	2	NJ1110		5.00	<2	7.56
FRDB028	10		30.00	10	1	1	1	4	2	NJ1110		3.90	<2	7.34
FRDB029	10		26.00	10	1	1	1	4	2	NJ1110		3.80	<2	7.39
FRDB030	10		26.00	10	1	1	1	4	2	NJ1110		4.10	<2	6.88
FRDB031	10		27.00	10	1	1	1	4	2	NJ1110		3.60	<2	6.50
FRDB032	10		24.00	10	1	1	1	4	2	NJ1110		3.10	<2	6.32
FRDB033	10		23.00	10	1	1	1	4	2	NJ1110		3.60	<2	5.80
FRDB034	10		30.00	10	1	1	1	4	2	NJ1110		3.60	<2	5.66
FRDB035	10		27.00	10	1	1	1	4	2	NJ1110		3.90	<2	6.01
FRDB036	10		27.00	10	1	1	1	4	2	NJ1110		3.40	<2	6.28
FRDB037	10		30.00	10	1	1	1	4	2	NJ1110			<2	6.66
FRDB038	10		26.00	10	1	1	1	4	2	NJ1110		4.30	<2	6.18
FRDB039	10		27.00	10	1	1	1	4	2	NJ1110		4.10	<2	6.32

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRDA034	56	595	2	1.28	36	14	108	56	3.74	<15	1.28	17	42	1.83	522
FRDA035	67	605	2	1.42	30	15	116	56	3.84	<15	1.33	15	45	1.09	537
FRDA036	60	612	2	1.28	30	14	110	55	3.68	<15	1.26	15	44	1.86	492
FRDA037	58	581	2	1.50	31	14	111	57	3.68	<15	1.29	15	47	2.00	499
FRDA038	28	562	2	1.51	30	14	100	50	3.40	<15	1.14	14	36	1.62	455
FRDA039	48	590	2	1.46	33	15	113	57	3.95	<15	1.31	15	44	1.73	502
FRDA040	32	550	2	1.37	28	12	105	46	3.28	<15	1.17	14	30	1.44	429
FRDA041	41	586	2	1.45	28	12	102	44	3.34	<15	1.26	14	36	1.58	428
FRDA042	33	552	2	1.45	28	16	120	60	4.15	<15	1.19	15	47	1.87	504
FRDA043	39	648	2	1.44	27	14	113	57	4.00	<15	1.24	14	44	1.74	482
FRDA044	54	577	2	1.85	32	14	102	49	3.67	17	1.23	15	43	1.67	471
FRDA045	30	584	2	1.64	35	15	102	73	3.81	22	1.12	15	39	1.63	492
FRDA046	40	586	2	1.46	29	13	99	46	3.49	<15	1.19	15	38	1.60	461
FRDA047	21	585	2	1.63	27	14	102	52	3.66	<15	1.14	15	37	1.60	471
FRDA048	51	601	2	1.59	33	14	110	35	3.79	<15	1.30	15	41	1.70	472
FRDA049	24	574	2	1.40	37	14	98	51	3.46	<15	1.10	15	36	1.69	453
FRDB001	15	598	2	2.50	52	10	47	27	3.61	<15	1.46	25	27	1.18	742
FRDB002	12	635	3	2.38	51	10	43	15	3.60	<15	1.45	25	29	1.17	717
FRDB003	27	607	2	2.66	56	9	29	12	2.95	<15	1.57	25	26	1.12	626
FRDB004	28	568	2	4.72	45	11	30	18	3.42	<15	1.32	25	34	1.49	616
FRDB005	39	579	2	2.82	49	8	28	19	2.64	<15	1.77	24	26	1.13	497
FRDB006	22	578	2	2.44	55	10	39	27	3.74	<15	1.27	35	39	1.10	526
FRDB007	19	600	2	2.78	49	8	33	17	3.38	<15	1.45	25	29	1.15	588
FRDB008	22	627	2	3.19	36	9	33	21	3.47	<15	1.68	21	34	1.24	644
FRDB009	13	600	3	2.27	49	10	35	20	4.03	<15	1.24	25	31	1.16	655
FRDB010	12	655	3	2.25	58	10	32	19	3.18	<15	1.43	35	22	0.98	714
FRDB011	14	545	2	5.03	31	5	26	16	2.29	<15	1.44	17	31	1.60	598
FRDB012	15	676	3	2.44	51	12	50	22	3.76	<15	1.40	27	32	1.27	701
FRDB013	24	586	2	2.66	41	7	27	15	2.56	<15	1.49	27	27	1.03	465
FRDB014	16	588	2	3.15	46	8	34	15	3.16	<15	1.38	25	28	1.13	602
FRDB015	28	591	2	3.77	46	10	33	16	3.23	<15	1.41	25	34	1.28	616
FRDB016	33	572	2	2.53	48	10	39	29	3.31	<15	1.30	24	45	1.30	423
FRDB017	15	569	2	3.14	44	6	22	7	2.16	<15	1.17	15	16	0.89	528
FRDB018	19	628	2	2.46	55	9	36	19	2.97	<15	1.48	25	33	0.97	509
FRDB019	31	552	2	5.21	42	10	48	27	3.15	<15	1.26	21	44	1.12	513
FRDB020	19	633	2	2.83	44	9	35	17	3.10	<15	1.44	24	32	1.08	557
FRDB021	21	552	2	3.54	47	9	36	18	3.13	<15	1.25	25	27	1.04	675
FRDB022	27	609	2	2.19	51	11	44	24	3.40	<15	1.49	25	40	1.11	525
FRDB023	10	588	3	2.76	38	8	20	10	2.75	<15	1.35	25	20	0.97	595
FRDB024	19	639	2	2.68	51	9	33	16	3.09	<15	1.44	25	33	1.13	533
FRDB025	<10	573	3	3.41	55	9	56	12	4.28	<15	1.17	25	19	1.30	867
FRDB026	21	628	2	3.21	43	10	47	18	3.54	<15	1.42	22	30	1.32	727
FRDB027	27	615	2	2.09	54	12	50	26	3.53	<15	1.24	25	37	1.25	462
FRDB028	17	600	2	2.20	47	10	41	20	3.18	<15	1.36	25	33	1.10	527
FRDB029	31	607	2	2.33	44	10	40	20	3.15	<15	1.40	24	33	1.10	512
FRDB030	28	561	2	3.55	48	12	53	25	3.64	<15	1.24	25	44	1.20	552
FRDB031	51	546	2	4.50	53	12	57	35	3.44	<15	1.21	25	46	1.32	565
FRDB032	25	523	2	6.58	39	10	51	28	3.11	<15	1.18	19	46	1.33	589
FRDB033	57	503	2	7.04	42	11	53	33	2.98	<15	1.20	25	50	1.51	568
FRDB034	31	462	2	7.14	43	11	57	31	3.25	<15	1.14	19	57	1.61	595
FRDB035	26	475	2	6.50	48	12	60	33	3.51	<15	1.14	21	59	1.72	629
FRDB036	58	516	2	6.30	51	12	61	34	3.51	<15	1.18	25	54	1.63	605
FRDB037	30	541	2	5.86	46	13	60	33	3.69	<15	1.21	24	54	1.60	642
FRDB038	53	498	2	6.51	40	12	58	32	3.43	<15	1.16	19	54	1.61	641
FRDB039	58	478	2	5.56	39	12	63	32	3.63	<15	1.20	25	59	1.66	603

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PD	SC	SR	TH	TI	V	Y	ZN	ZR
FRDA034	<4	1.22	9	103	682	<10	11	217	10	3260	114	15	66	56
FRDA035	<4	1.37	8	105	657	<10	12	236	2	3284	118	15	65	58
FRDA036	<4	1.32	7	106	629	<10	11	232	5	3223	113	15	63	57
FRDA037	<4	1.53	8	104	744	<10	11	302	7	3177	114	12	87	54
FRDA038	<4	1.28	7	93	594	<10	10	238	11	3075	109	11	60	52
FRDA039	<4	1.27	7	105	595	<10	12	244	8	3262	123	15	67	57
FRDA040	<4	1.23	7	85	478	<10	10	243	12	2977	105	11	73	50
FRDA041	<4	1.40	6	55	484	<10	10	254	13	2917	104	11	75	50
FRDA042	<4	0.58	6	109	503	10	13	220	10	3313	131	15	93	59
FRDA043	<4	1.19	6	100	451	<10	12	237	5	3332	122	12	65	58
FRDA044	<4	1.29	9	97	556	<10	11	247	9	3044	113	12	70	55
FRDA045	<4	1.24	8	91	616	19	12	252	9	3323	119	12	69	57
FRDA046	<4	1.24	6	92	550	<10	11	241	9	3091	107	12	70	55
FRDA047	<4	1.24	6	94	606	<10	11	257	5	3243	111	12	62	57
FRDA048	<4	1.35	7	101	643	12	11	262	10	3324	119	15	64	56
FRDA049	<4	1.15	8	90	688	<10	11	241	10	3075	107	12	64	56
FRDB001	<4	1.63	15	30	1167	<10	10	270	15	4319	89	17	104	31
FRDB002	<4	1.77	15	28	714	<10	11	274	12	4462	91	15	64	27
FRDB003	<4	1.77	14	19	1071	<10	9	314	19	3693	72	17	62	27
FRDB004	<4	1.73	16	23	902	<10	10	397	12	3812	99	15	60	23
FRDB005	<4	1.70	13	17	1813	21	8	297	13	3148	73	15	132	30
FRDB006	<4	1.19	13	25	1382	19	10	228	9	3796	90	17	105	25
FRDB007	<4	1.70	14	19	515	<10	10	289	17	4013	82	17	79	26
FRDB008	<4	1.70	12	15	1395	<10	10	301	11	3933	80	17	121	26
FRDB009	<4	1.35	13	20	646	<10	11	237	17	4436	92	19	53	33
FRDB010	<4	1.64	17	21	644	<10	10	273	20	4173	77	25	73	40
FRDB011	<4	1.38	12	17	1659	<10	7	424	5	2717	55	12	112	31
FRDB012	<4	1.62	13	36	935	<10	11	280	20	4370	92	17	97	29
FRDB013	<4	1.72	12	20	929	36	9	299	7	3100	69	15	78	23
FRDB014	<4	1.58	13	19	1047	<10	10	298	12	3754	76	17	71	29
FRDB015	<4	1.68	13	15	1771	<10	10	346	12	3651	86	17	103	27
FRDB016	<4	1.21	11	29	867	<10	9	291	7	3338	93	15	297	25
FRDB017	<4	1.76	11	12	1464	<10	10	312	9	2931	55	17	73	28
FRDB018	<4	1.77	14	25	654	<10	10	291	14	3490	75	17	77	26
FRDB019	<4	1.22	12	42	875	<10	8	374	14	2925	80	15	68	25
FRDB020	<4	1.61	12	24	660	<10	10	315	8	3622	81	17	76	26
FRDB021	<4	1.53	14	28	888	<10	10	314	9	3470	79	16	74	27
FRDB022	<4	1.55	12	34	831	<10	10	274	12	3601	87	15	94	30
FRDB023	<4	1.88	13	13	552	<10	11	298	11	3691	72	19	76	22
FRDB024	<4	1.76	12	24	779	<10	9	310	14	3615	80	17	60	29
FRDB025	<4	1.85	19	28	981	<10	12	334	20	6187	110	25	73	33
FRDB026	<4	1.64	13	32	1169	<10	10	303	7	4174	83	15	90	25
FRDB027	<4	1.25	12	45	487	<10	10	253	20	3703	87	15	69	22
FRDB028	<4	1.46	12	27	778	<10	5	265	12	3511	84	15	81	23
FRDB029	<4	1.57	12	31	941	<10	13	282	8	3455	81	15	52	26
FRDB030	<4	1.16	13	43	938	<10	9	325	16	3249	89	14	91	28
FRDB031	<4	0.55	13	49	1070	<10	9	353	22	3029	87	14	115	30
FRDB032	<4	1.01	12	43	578	<10	9	446	12	2855	81	15	61	29
FRDB033	<4	0.83	13	47	1040	<10	8	512	18	2567	79	12	82	32
FRDB034	<4	0.61	13	51	987	<10	9	497	12	2563	83	11	65	30
FRDB035	<4	0.63	13	54	1005	<10	9	463	14	2734	90	12	92	30
FRDB036	<4	0.72	12	54	1035	<10	9	445	21	2875	91	15	68	31
FRDB037	<4	0.81	14	52	1058	<10	10	428	12	3054	93	15	100	31
FRDB038	<4	0.76	12	51	1064	<10	9	449	9	2787	98	12	110	28
FRDB039	<4	0.70	12	54	1281	<10	9	389	8	2937	91	15	200	29

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-DP	ODOR	CUN1	CUN2	CUN3	FORM
FRDB040	36.109	119.687	07	8148C				4	1	1				7	QTRN
FRDB041	36.139	119.688	07	81480				3	1	1				7	QTRN
FRDB042	36.172	119.650	07	81480				3	1	1				7	QTRN
FRDB043	36.202	119.689	07	81480				3	1	1				7	QTRN
FRDB044	36.232	119.689	07	81580				3	1	1				7	QTRN
FRDB045	36.233	119.726	07	81580				3	1	1				7	QTRN
FRDB046	36.204	119.725	07	8158C				3	1	1				7	QTRN
FRDB047	36.174	119.728	07	81580				3	1	1				7	QTRN
FRDB048	36.139	119.733	07	81580				3	1	1				7	QTRN
FRDC001	36.236	119.354	07	8128C				3	1	1				1	QTRN
FRDC002	36.204	119.347	07	81280				3	1	1				1	QTRN
FRDC003	36.172	119.352	07	81280				4	1	1				1	QTRN
FRDC004	36.142	119.357	07	81280				3	1	1				7	QTRN
FRDC005	36.206	119.312	07	81280				1	1	1				1	QTRN
FRDC006	36.230	119.310	07	81280				3	1	1				7	QTRN
FRDC007	36.235	119.275	07	81280				3	1	1				7	QTRN
FRDC008	36.203	119.269	07	81280				3	1	1				2	QTRN
FRDC009	36.174	119.272	07	81280				4	1	1				1	QTRN
FRDC010			07	81380				3	1	1				2	QTRN
FRDC011	36.139	119.273	07	81380				4	1	1				7	QTRN
FRDC012	36.109	119.268	07	81380				4	1	1				7	QTRN
FRDC013	36.078	119.267	07	81280				4	1	1				2	QTRN
FRDC014	36.036	119.267	07	81380				4	1	1				7	QTRN
FRDC015	36.015	119.267	07	81380				4	1	1				7	QTRN
FRDC016	36.011	119.311	07	81380				4	1	1				7	QTRN
FRDC017	36.019	119.356	07	81380				4	1	1				7	QTRN
FRDC018	36.043	119.356	07	81380				3	1	1				7	QTRN
FRDC019	36.051	119.312	07	81380				4	1	1				7	QTRN
FRDC020	36.080	119.355	07	81380				4	1	1				7	QTRN
FRDC021	36.109	119.356	07	81380				4	1	1				7	QTRN
FRDC022	36.110	119.312	07	8138C				4	1	1				7	QTRN
FRDC023	36.080	119.312	07	81380				4	1	1				7	QTRN
FRDC024	36.172	119.401	07	81480				4	1	1				7	QTRN
FRDC025	36.142	119.401	07	81480				4	1	1				7	QTRN
FRDC026	36.142	119.439	07	81480				4	1	1				7	QTRN
FRDC027	36.145	119.475	07	81480				4	1	1				7	QTRN
FRDC028	36.171	119.476	07	81480				4	1	1				7	QTRN
FRDC029	36.203	119.474	07	8148C				4	1	1				7	QTRN
FRDC030	36.232	119.474	07	81480				4	1	1				7	QTRN
FRDC031	36.233	119.438	07	81480				4	1	1				2	QTRN
FRDC032	36.233	119.353	07	8148C				4	1	1				7	QTRN
FRDC033	36.204	119.392	07	81480				4	1	1				7	QTRN
FRDC034	36.203	119.438	07	81480				4	1	1				7	QTRN
FRDC035	36.173	119.439	07	81480				4	1	1				7	QTRN
FRDC036	36.150	119.320	07	81480				4	1	1				7	QTRN
FRDC037	36.109	119.393	07	81580				4	1	1				2	QTRN
FRDC038	36.077	119.353	07	81580				4	1	1				7	QTRN
FRDC039	36.043	119.352	07	81580				4	1	1				7	QTRN
FRDC040	36.015	119.352	07	81580				4	1	1				7	QTRN
FRDC041	36.008	119.437	07	81580				4	1	1				7	QTRN
FRDC042	36.014	119.491	07	81580				4	1	1				7	QTRN
FRDC043	36.051	119.478	07	81580				4	1	1				7	QTRN
FRDC044	36.051	119.436	07	81480				4	1	1				7	QTRN
FRDC045	36.080	119.437	07	81580				4	1	1				7	QTRN
FRDC046	36.109	119.438	07	81580				4	1	1				7	QTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	NAP	U-FL	U-NT	AG	AL
FRDB040	10		25.00	10	1	1	1	4	2	NJ1110		4.10	<2	6.79
FRDB041	10		30.00	10	1	1	1	4	2	NJ1110		2.90	<2	7.37
FRDB042	10		24.00	10	1	1	1	4	2	NJ1110		3.80	<2	7.01
FRDB043	10		31.00	10	1	1	1	4	2	NJ1110		3.60	<2	7.59
FRDB044	10		26.00	10	1	1	1	4	2	NJ1110		7.20	<2	7.84
FRDB045	10		22.00	10	1	1	1	4	2	NJ1110		12.00	<2	6.90
FRDB046	10		30.00	10	1	1	1	4	2	NJ1110		3.90	<2	7.45
FRDB047	10		25.00	10	1	1	1	4	2	NJ1110		3.70	<2	7.45
FRDB048	10		28.00	10	1	1	1	4	2	NJ1110		4.80	<2	6.93
FRDC001	10		26.00	10	1	1	1	4	2	NJ1110		4.50	<2	7.57
FRDC002	10		22.00	10	1	1	1	1	1	NJ1110		4.00	<2	7.93
FRDC003	10		28.00	10	1	1	1	1	1	NJ1110		4.00	<2	7.27
FRDC004	10		30.00	10	1	1	1	4	2	NJ1110		11.40	<2	6.96
FRDC005	10		30.00	03	1	1	1	1	2	NJ1110		5.00	<2	8.02
FRDC006	10		26.00	10	1	1	1	1	2	NJ1110		4.80	<2	7.59
FRDC007	10		26.00	10	1	1	1	1	3	NJ1110			<2	7.34
FRDC008	10		28.00	10	1	1	1	4	2	NJ1110		6.20	<2	7.10
FRDC009	10		28.00	10	1	1	1	1	2	NJ1110		4.80	<2	6.03
FRDC010	10		34.00	10	1	1	1	4	2			5.50	<2	7.50
FRDC011	10		28.00	10	1	1	1	4	2	NJ1110		4.70	<2	7.88
FRDC012	10		40.00	10	1	1	1	1	2	NJ1110		4.90	<2	8.02
FRDC013	10		34.00	10	1	1	1	4	2	NJ1110		5.40	<2	6.98
FRDC014	10		36.00	10	1	1	1	1	2	NJ1110		3.20	<2	6.78
FRDC015	10		26.00	10	1	1	1	1	2	NJ1110		3.70	<2	7.78
FRDC016	10		26.00	10	1	1	1	1	2	NJ1110		4.10	<2	7.23
FRDC017	10		24.00	10	1	1	1	1	2	NJ1110		3.70	<2	7.19
FRDC018	10		24.00	10	1	1	1	1	2	NJ1110		3.80	<2	7.94
FRDC019	10		24.00	10	1	1	1	1	2	NJ1110		4.20	<2	7.82
FRDC020	10		26.00	10	1	1	1	1	2	NJ1110		5.80	<2	6.75
FRDC021	10		30.00	10	1	1	1	1	2	NJ1110		4.00	<2	7.23
FRDC022	10		26.00	10	1	1	1	1	2	NJ1110		4.40	<2	7.26
FRDC023	10		24.00	10	1	1	1	1	2	NJ1110		5.40	<2	7.26
FRDC024	10		34.00	10	1	1	1	1	2	NJ1110		7.20	<2	7.61
FRDC025	10		36.00	10	1	1	1	1	2	NJ1110		6.00	<2	7.70
FRDC026	10		30.00	10	1	1	1	1	2	NJ1110		5.40	<2	7.60
FRDC027	10		34.00	10	1	1	1	1	2	NJ1110		5.50	<2	7.38
FRDC028	10		35.00	10	1	1	1	1	2	NJ1110		5.60	<2	6.76
FRDC029	10		33.00	10	1	1	1	1	2	NJ1110		6.20	<2	7.24
FRDC030	10		35.00	10	1	1	1	4	2	NJ1110		5.50	<2	7.26
FRDC031	10		35.00	10	1	1	1	4	2	NJ1110		6.30	<2	7.61
FRDC032	10		32.00	10	1	1	1	1	2	NJ1110		5.30	<2	7.27
FRDC033	10		30.00	10	1	1	1	1	2	NJ1110		5.70	<2	7.57
FRDC034	10		34.00	10	1	1	1	1	2	NJ1110		8.40	<2	8.21
FRDC035	10		36.00	10	1	1	1	1	2	NJ1110		7.40	<2	8.07
FRDC036	10		32.00	10	1	1	1	4	2	NJ1110		4.40	<2	7.31
FRDC037	10		37.00	10	1	1	1	4	2	NJ1110		5.30	<2	7.72
FRDC038	10		34.00	10	1	1	1	1	1	NJ1110		4.90	<2	7.52
FRDC039	10		30.00	10	1	1	1	1	2	NJ1110		5.40	<2	7.26
FRDC040	10		36.00	10	1	1	1	1	2	NJ1110		3.60	<2	7.45
FRDC041	10		32.00	10	1	1	1	1	2	NJ1110		5.50	<2	6.95
FRDC042	10		28.00	10	1	1	1	1	2	NJ1110		2.70	<2	7.27
FRDC043	10		30.00	10	1	1	1	4	2	NJ1110		6.50	<2	6.31
FRDC044	10		32.00	10	1	1	1	1	2	NJ1110		5.00	<2	7.40
FRDC045	10		32.00	10	1	1	1	1	2	NJ1110		5.00	<2	7.32
FRDC046	10		30.00	10	1	1	1	1	2	NJ1110		5.80	<2	7.40

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FC	HF	K	LA	LI	MG	MN
FRD3040	47	545	2	4.23	46	11	59	33	3.66	<15	1.22	22	52	1.31	546
FRD8041	24	604	2	3.07	45	9	38	10	2.79	<15	1.18	21	22	1.24	587
FRD8042	74	588	2	2.83	47	9	42	14	2.84	<15	1.30	23	30	1.27	506
FRD8043	22	614	2	2.57	45	9	51	12	3.60	<15	1.22	22	22	1.33	725
FRD8044	15	630	3	2.83	47	10	49	13	3.54	<15	1.24	23	22	1.28	741
FRD8045	31	553	2	2.37	48	10	50	19	3.32	<15	1.05	20	27	1.22	656
FRD8046	12	659	2	2.47	50	6	24	8	2.33	<15	1.36	23	15	0.85	522
FRD8047	31	633	2	2.80	42	9	42	16	3.07	<15	1.30	21	31	1.30	519
FRD8048	57	569	2	3.26	46	12	52	32	3.55	<15	1.31	23	44	1.41	575
FRDC001	19	625	2	2.49	43	12	35	50	4.09	<15	1.40	22	32	1.24	742
FRDC002	15	695	2	2.78	46	11	38	31	4.00	<15	1.37	22	27	1.27	755
FRDC003	27	602	2	2.43	46	8	28	18	2.98	<15	1.61	24	30	1.13	603
FRDC004	46	613	2	2.46	44	10	35	19	3.35	<15	1.25	23	27	1.21	683
FRDC005	17	615	2	3.19	40	11	35	174	4.05	<15	1.17	22	25	1.33	765
FRDC006	17	552	2	2.50	37	10	26	15	4.02	<15	1.19	17	21	1.17	791
FRDC007	21	616	2	3.71	39	12	32	24	4.18	<15	1.42	22	33	1.40	815
FRDC008	18	557	2	2.55	43	12	35	17	4.62	<15	1.20	19	23	1.33	948
FRDC009	24	591	1	1.86	44	10	54	24	3.09	<15	1.11	21	30	1.41	633
FRDC010	19	618	2	3.10	47	11	39	21	3.74	<15	1.21	23	33	1.53	613
FRDC011	23	681	2	2.18	44	12	44	15	4.19	<15	1.45	24	38	1.28	802
FRDC012	25	699	2	2.65	53	12	46	22	3.97	<15	1.36	29	50	1.26	665
FRDC013	51	635	2	2.61	34	7	34	14	2.89	<15	1.38	19	30	1.08	592
FRDC014	58	617	2	2.62	37	9	33	16	3.00	<15	1.57	19	32	0.92	573
FRDC015	26	692	2	2.06	35	11	40	15	3.89	<15	1.45	23	41	1.19	693
FRDC016	26	672	2	2.19	40	11	39	15	3.76	17	1.40	21	37	1.12	723
FRDC017	22	636	2	2.26	33	9	38	13	3.36	<15	1.32	17	33	1.08	667
FRDC018	26	690	2	2.37	37	10	42	16	3.62	<15	1.42	22	38	1.18	666
FRDC019	24	641	2	2.65	35	8	36	15	3.42	<15	1.34	20	39	1.12	597
FRDC020	36	655	2	4.81	41	8	36	18	2.99	<15	1.32	23	50	1.43	521
FRDC021	36	671	2	2.47	38	8	39	13	3.13	<15	1.44	21	39	1.10	608
FRDC022	36	658	2	2.57	47	9	40	17	3.29	18	1.34	23	41	1.20	575
FRDC023	40	680	2	2.25	49	10	41	17	3.58	<15	1.48	23	48	1.27	639
FRDC024	24	625	2	2.24	48	12	38	26	3.91	32	1.39	27	33	1.20	688
FRDC025	28	622	2	2.45	44	10	37	22	3.63	<15	1.37	20	38	1.17	544
FRDC026	28	624	2	2.45	46	11	38	19	3.63	<15	1.30	23	30	1.27	601
FRDC027	19	555	2	2.32	49	11	36	21	3.75	<15	1.15	23	31	1.15	561
FRDC028	22	563	2	2.84	49	10	33	19	3.41	29	1.09	23	28	1.25	553
FRDC029	33	611	2	3.14	50	10	36	20	3.66	<15	1.48	27	33	1.46	700
FRDC030	29	606	2	4.12	45	10	36	17	3.90	<15	1.41	24	31	1.36	740
FRDC031	18	557	2	2.22	52	12	37	21	4.18	<15	1.36	23	33	1.24	661
FRDC032	15	567	2	2.45	40	10	32	17	3.87	18	1.16	21	26	1.19	719
FRDC033	16	597	2	2.78	41	12	33	20	4.40	<15	1.47	23	36	1.35	719
FRDC034	23	625	2	2.37	58	11	43	29	4.33	<15	1.29	31	42	1.28	578
FRDC035	27	619	2	1.51	54	11	42	29	4.13	<15	1.32	30	42	1.20	530
FRDC036	24	650	2	2.53	46	11	43	21	3.55	<15	1.19	23	36	1.39	637
FRDC037	22	644	2	2.16	49	10	41	21	3.52	<15	1.55	27	38	1.20	665
FRDC038	40	705	2	3.20	47	10	40	17	3.42	<15	1.51	23	43	1.31	680
FRDC039	25	628	2	2.48	40	9	38	12	3.38	<15	1.18	23	29	1.02	643
FRDC040	43	655	2	2.56	43	11	45	18	3.52	<15	1.35	23	37	1.27	702
FRDC041	36	649	2	3.18	39	8	40	19	3.00	<15	1.41	23	35	1.25	607
FRDC042	22	615	2	4.60	41	8	29	12	2.54	<15	1.26	23	33	1.32	468
FRDC043	64	636	2	4.05	43	8	37	18	2.89	<15	1.17	23	50	1.63	491
FRDC044	35	665	2	3.54	48	10	42	21	3.57	<15	1.36	23	57	1.52	558
FRDC045	34	632	2	1.57	40	8	35	19	3.04	<15	1.66	23	40	1.04	613
FRDC046	18	629	2	2.36	48	11	40	22	3.65	<15	1.37	23	33	1.29	659

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	MB	NI	P	PB	SC	SR	TH	TI	V	r	ZN	ZR
FRDB040	<4	0.56	11	50	579	<10	9	364	19	3101	93	15	87	29
FRDB041	<4	1.69	15	25	709	<10	11	330	14	3501	79	17	57	21
FRDB042	<4	3.04	13	28	806	<10	10	329	17	3395	74	18	64	23
FRDB043	<4	1.69	19	28	1039	<10	12	314	10	4477	90	17	73	25
FRDB044	<4	1.77	15	25	827	<10	12	304	12	4408	88	18	79	25
FRDB045	8	2.54	12	38	880	<10	9	268	14	3616	77	15	76	24
FRDB046	<4	1.63	12	15	719	<10	8	338	19	2973	59	14	48	18
FRDB047	<4	2.04	13	31	673	<10	10	325	6	3686	84	15	97	20
FRDB048	<4	1.52	12	42	875	10	10	308	13	3693	97	18	109	24
FRDC001	<4	1.63	13	22	1036	117	11	246	10	4465	97	17	166	28
FRDC002	<4	1.85	13	22	1127	224	12	278	12	4596	102	18	186	25
FRDC003	<4	1.73	12	15	867	39	8	299	13	3424	69	15	100	28
FRDC004	<4	2.56	13	22	870	22	10	285	11	3952	88	17	86	26
FRDC005	<4	1.64	14	18	947	70	12	304	12	4883	102	18	103	27
FRDC006	<4	1.88	13	11	1051	56	12	277	6	5051	99	18	93	32
FRDC007	<4	1.53	15	17	2141	21	11	297	6	4883	98	18	152	29
FRDC008	<4	1.66	19	17	453	23	13	255	11	6026	119	22	128	40
FRDC009	<4	1.07	10	29	708	32	9	233	11	3216	103	18	111	23
FRDC010	<4	1.35	13	20	845	17	10	341	16	4080	100	18	85	25
FRDC011	<4	1.59	13	21	455	16	11	251	16	4720	100	18	93	41
FRDC012	<4	1.26	12	25	554	10	10	268	13	4385	91	20	98	28
FRDC013	<4	2.20	12	18	926	22	9	291	7	3301	69	18	95	26
FRDC014	<4	1.47	11	20	1342	25	8	246	12	3326	65	18	55	25
FRDC015	<4	1.57	12	21	620	12	10	234	6	4297	91	17	94	24
FRDC016	<4	1.59	18	20	704	14	10	218	10	4244	89	18	94	27
FRDC017	<4	1.62	12	19	685	<10	10	236	<2	3952	80	17	76	28
FRDC018	<4	1.61	12	20	779	17	10	252	9	3947	81	18	96	27
FRDC019	<4	1.68	11	19	620	<10	10	291	4	3767	77	17	81	28
FRDC020	<4	1.32	12	20	815	<10	7	491	9	3072	73	18	83	21
FRDC021	<4	1.68	11	18	760	<10	8	272	9	3483	71	18	80	31
FRDC022	<4	1.55	12	21	707	<10	9	326	10	3535	83	17	60	23
FRDC023	<4	1.24	13	22	546	16	9	262	17	3819	81	17	94	27
FRDC024	<4	1.36	12	21	1258	22	10	253	14	4121	94	17	116	39
FRDC025	<4	1.45	11	15	447	<10	9	262	14	3853	91	18	95	24
FRDC026	<4	1.39	13	22	824	15	10	274	11	3819	87	18	89	26
FRDC027	<4	1.26	12	16	772	13	10	236	15	4057	91	17	91	27
FRDC028	<4	1.21	12	18	873	12	9	271	13	3629	87	18	65	28
FRDC029	<4	1.49	13	19	1374	30	10	319	12	4020	86	18	117	34
FRDC030	<4	1.65	15	19	1194	12	10	354	14	4326	93	18	88	29
FRDC031	<4	1.34	14	19	938	15	11	226	15	4603	97	18	109	35
FRDC032	<4	1.48	14	16	722	<10	11	240	7	4761	96	18	82	25
FRDC033	<4	1.47	14	17	1069	11	11	262	7	4938	104	18	112	29
FRDC034	<4	1.21	12	24	658	13	10	241	12	4329	103	18	99	29
FRDC035	<4	1.22	11	25	511	15	10	224	11	4030	96	17	98	29
FRDC036	<4	1.58	11	25	767	16	10	307	18	3688	94	18	82	23
FRDC037	<4	1.51	11	22	1204	11	10	260	13	3777	85	17	96	28
FRDC038	<4	1.58	15	18	558	<10	9	315	9	3774	76	17	100	27
FRDC039	<4	1.55	12	15	513	<10	10	241	12	4105	82	18	72	42
FRDC040	<4	1.63	13	24	309	15	10	325	9	3507	87	17	85	25
FRDC041	<4	1.55	11	21	543	<10	9	356	7	3416	78	18	98	28
FRDC042	<4	1.73	12	15	313	<10	9	410	2	2912	80	17	60	21
FRDC043	4	1.66	10	23	1333	14	7	421	8	2935	64	18	83	21
FRDC044	<4	1.03	10	26	359	11	9	361	11	3416	82	17	90	22
FRDC045	<4	1.53	10	19	1128	18	8	245	4	3296	67	17	93	28
FRDC046	<4	1.38	13	23	1532	12	10	260	15	4026	88	18	94	27

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-OP	ODOR	CONI	CUN2	CUN3	FORM
FRDC047	36.112	119.473	07	81580				4	1	1				7	CTRN
FRDC048	36.080	119.464	07	81580				4	1	1				7	QTRN
FRDD001	36.207	119.222	07	81880				4	1	1			1	7	QTRN
FRDD002	36.232	119.223	07	81880				4	1	1				7	QTRN
FRDD003	36.225	119.194	07	81880				4	1	1				7	QTRN
FRDD004	36.210	119.184	07	81880				4	1	1				7	QTRN
FRDD005	36.228	119.142	07	81880				4	1	1				8	CTRN
FRDD006	36.232	119.099	07	81880				4	1	1				1	CTRN
FRDD007	36.202	119.102	07	81880				3	1	1				1	CTRN
FRDD008	36.225	119.064	07	81880				3	1	1				7	CTRN
FRDD009	36.204	119.063	07	81880				3	1	1				7	CTRN
FRDD010	36.225	119.028	07	81880				3	1	1				2	CTRN
FRDD011	36.200	119.027	07	81880				3	1	1				7	QTRN
FRDD012	36.171	119.018	07	81880				3	1	1				7	QTRN
FRDD013	36.138	119.027	07	81880				3	1	1				7	QTRN
FRDD014	36.139	119.062	07	81880				3	1	1				7	CTRN
FRDD015	36.171	119.063	07	81880				3	1	1				7	CTRN
FRDD016	36.171	119.098	07	81880				4	1	1				7	QTRN
FRDD017	36.138	119.058	07	81880				3	1	1				7	CTRN
FRDD018	36.138	119.142	07	81880				3	1	1				2	CTRN
FRDD019	36.175	119.233	07	81580				4	1	1				2	CTRN
FRDD020	36.168	119.154	07	81980				4	1	1				7	QTRN
FRDD021	36.200	119.152	07	81980				4	1	1				7	CTRN
FRDD022	36.171	119.148	07	81980				4	1	1				7	CTRN
FRDD023	36.109	119.106	07	81980				4	1	1				7	QTRN
FRDD024	36.109	119.068	07	81980				4	1	1				7	CTRN
FRDD025	36.102	119.017	07	81980				3	1	1				2	QTRN
FRDD026	36.080	119.008	07	81980				4	1	1				2	QTRN
FRDD027	36.080	119.060	07	81980				3	1	1				7	CTRN
FRDD028	36.080	119.103	07	81980				4	1	1				7	QTRN
FRDD029	36.052	119.102	07	81980				4	1	1				7	QTRN
FRDD030	36.051	119.061	07	81980				4	1	1				7	CTRN
FRDD031	36.041	119.026	07	81980				4	1	1				2	QTRN
FRDD032	36.014	119.020	07	81580				4	1	1				7	QTRN
FRDD033	36.022	119.060	07	81980				3	1	1				2	CTRN
FRDD034	36.017	119.107	07	81980				4	1	1				7	QTRN
FRDD035			07	82080				4	1	1				7	QTRN
FRDD036			07	82080				4	1	1				2	CTRN
FRDD037	36.109	119.146	07	82080				4	1	1				7	QTRN
FRDD038	36.110	119.155	07	82080				4	1	1				7	CTRN
FRDD039	36.102	119.227	07	82080				4	1	1				7	CTRN
FRDD040			07	82080				4	1	1				7	QTRN
FRDD041	36.043	119.221	07	82080				4	1	1				7	QTRN
FRDD042	36.018	119.221	07	82080				4	1	1				7	CTRN
FRDD043	36.015	119.188	07	82080				4	1	1				7	QTRN
FRDD044	36.015	119.142	07	82080				4	1	1				7	QTRN
FRDD045	36.046	119.142	07	82080				4	1	1				7	QTRN
FRDD046	36.052	119.188	07	82080				4	1	1				7	QTRN
FRDD047	36.078	119.177	07	82080				4	1	1				7	QTRN
FRDD048	36.075	119.142	07	82080				4	1	1				7	CTRN
FRDE001	36.044	118.970	07	82580				4	1	1				2	CTRN
FRDE002	36.015	118.978	07	82580				4	1	1				7	QTRN
FRDE003	36.006	118.947	07	82580				3	1	1				8	CTRN
FRDE004	36.045	118.936	07	82580				4	1	1				7	QTRN
FRDE005	36.016	118.910	07	82580				3	1	1				2	CTRN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-F	U-NT	AG	AL
FRDC047	10		40.00	10	1	1	1	1	2	NJ1110		5.30	<2	7.53
FRDC048	10		35.00	10	1	1	1	4	2	NJ1110		7.70	<2	7.41
FRDD001	10		34.00	10	1	1	1	1	1	NJ1110		4.90	<2	8.39
FRDD002	10		32.00	10	1	1	1	1	2	NJ1110		5.20	<2	7.59
FRDD003	10		34.00	10	1	1	1	1	2	NJ1110		4.20	<2	7.52
FRDD004	10		34.00	10	1	1	1	1	2	NJ1110		2.30	<2	7.28
FRDD005	10		26.00	10	1	1	1	4	2	NJ1110		2.70	<2	6.78
FRDD006	10		30.00	10	1	1	1	1	2	NJ1110		2.60	<2	6.57
FRDD007	10		25.00	10	1	1	1	4	2	NJ1110		2.30	<2	7.19
FRDD008	10		26.00	10	1	1	2	1	2	NJ1110		2.20	<2	6.28
FRDD009	10		24.00	10	1	1	1	1	2	NJ1110		3.30	<2	6.26
FRDD010	10		20.00	10	1	1	1	4	2	NJ1110		2.30	<2	6.21
FRDD011	10		26.00	10	1	1	2	4	2	NJ1110		2.20	<2	6.31
FRDD012	10		24.00	10	1	1	1	4	2	NJ1110		2.40	<2	6.01
FRDD013	10		22.00	10	1	1	1	1	2	NJ1110		2.50	<2	7.20
FRDD014	10		26.00	10	1	1	1	1	2	NJ1110		2.20	<2	7.57
FRDD015	10		24.00	10	1	1	1	1	2	NJ1110		3.30	<2	6.65
FRDD016	10		26.00	10	1	1	1	1	2	NJ1110		3.00	<2	7.16
FRDD017	10		25.00	10	1	1	1	1	2	NJ1110		2.80	<2	7.38
FRDD018	10		22.00	10	1	1	1	1	1	NJ1110		5.10	<2	7.53
FRDD019	10		40.00	10	1	1	1	1	1	NJ1110		3.90	<2	7.60
FRDD020	10		34.00	10	1	1	1	1	2	NJ1110		4.30	<2	7.53
FRDD021	10		34.00	10	1	1	1	1	2	NJ1110		2.90	<2	6.64
FRDD022	10		25.00	10	1	1	1	1	2	NJ1110		3.10	<2	7.73
FRDD023	10		40.00	10	1	1	1	1	2	NJ1110		3.90	<2	8.44
FRDD024	10		34.00	10	1	1	1	4	2	NJ1110		5.10	<2	8.02
FRDD025	10		30.00	10	1	1	2	4	2	NJ1110		3.20	<2	7.00
FRDD026	10		28.00	10	1	1	1	4	2	NJ1110		4.20	<2	7.33
FRDD027	10		30.00	10	1	1	1	1	2	NJ1110		4.60	<2	8.17
FRDD028	10		26.00	10	1	1	1	1	2	NJ1110		5.10	<2	8.11
FRDD029	10		28.00	10	1	1	1	1	2	NJ1110		4.50	<2	7.24
FRDD030	10		32.00	10	1	1	1	1	2	NJ1110		4.70	<2	8.08
FRDD031	10		28.00	10	1	1	1	4	2	NJ1110		3.40	<2	7.87
FRDD032	10		26.00	10	1	1	1	1	2	NJ1110		4.20	<2	7.53
FRDD033	10		24.00	10	1	1	1	1	1	NJ1110		3.80	<2	7.83
FRDD034	10		25.00	10	1	1	1	1	2	NJ1110		3.80	<2	7.84
FRDD035	10		26.00	10	1	1	1	1	2			3.80	<2	7.97
FRDD036	10		34.00	10	1	1	1	4	2			4.80	<2	7.68
FRDD037	10		37.00	10	1	1	1	1	2	NJ1110		5.40	<2	7.42
FRDD038	10		32.00	10	1	1	1	1	2	NJ1110		4.30	<2	7.79
FRDD039	10		30.00	10	1	1	1	1	2	NJ1110		5.40	<2	7.61
FRDD040	10		24.00	10	1	1	1	1	2			5.40	<2	8.21
FRDD041	10		30.00	10	1	1	1	1	2	NJ1110		3.70	<2	8.35
FRDD042	10		30.00	10	1	1	1	1	2	NJ1110		4.00	<2	7.98
FRDD043	10		26.00	10	1	1	1	1	2	NJ1110		3.60	<2	8.16
FRDD044	10		30.00	10	1	1	1	1	2	NJ1110		3.50	<2	8.33
FRDD045	10		24.00	10	1	1	1	1	2	NJ1110		4.80	<2	8.26
FRDD046	10		26.00	10	1	1	1	1	2	NJ1110		4.70	<2	7.37
FRDD047	10		30.00	10	1	1	1	1	2	NJ1110		4.70	<2	8.43
FRDD048	10		28.00	10	1	1	1	1	2	NJ1110		4.00	<2	8.19
FRDE001	10		36.00	10	1	1	1	1	1	NJ1110		2.60	<2	6.74
FRDE002	10		28.00	10	1	1	1	1	2	NJ1110		2.90	<2	7.45
FRDE003	10		30.00	10	1	1	2	4	2	NJ1110		5.20	<2	7.76
FRDE004	10		28.00	10	1	1	2	1	1	NJ1110		2.30	<2	6.10
FRDE005	10		28.00	04	1	1	2	4	2	NJ1110		2.60	<2	6.88

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	D	BA	DE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRDC047	20	618	2	2.22	48	12	44	27	3.91	<15	1.25	23	42	1.29	572
FRDC048	24	648	2	2.80	46	9	36	14	3.13	<15	1.32	23	31	1.11	654
FRDD001	23	699	2	2.29	50	13	53	37	4.50	<15	1.48	29	47	1.52	780
FRDD002	11	626	2	2.48	40	13	37	21	4.05	<15	1.37	29	33	1.26	752
FRDD003	14	618	2	2.93	38	12	34	16	4.27	<15	1.31	19	32	1.47	839
FRDD004	24	753	2	2.42	38	13	76	31	3.38	<15	1.42	13	32	1.76	860
FRDD005	26	701	1	2.09	38	11	73	32	3.26	<15	1.27	19	24	1.38	783
FRDD006	14	631	1	1.75	41	13	85	30	3.20	<15	1.16	19	21	1.21	787
FRDD007	<10	633	1	2.28	36	11	50	32	3.89	<15	1.11	17	28	1.28	816
FRDD008	12	428	1	2.49	29	19	356	93	3.44	<15	0.75	14	17	2.00	764
FRDD009	15	833	2	1.49	32	13	70	66	3.64	<15	1.31	13	27	1.22	953
FRDD010	14	623	1	1.50	35	14	117	40	3.33	<15	1.12	13	20	1.37	705
FRDD011	<10	525	1	1.26	38	25	415	32	3.88	<15	0.96	29	24	2.04	849
FRDD012	11	558	1	1.48	39	9	69	46	2.51	<15	1.15	19	19	0.83	656
FRDD013	<10	516	1	1.66	33	11	80	40	3.39	<15	1.00	17	25	1.05	782
FRDD014	11	615	2	1.97	40	14	85	66	3.97	<15	1.19	13	24	1.26	932
FRDD015	23	704	2	1.93	36	9	57	103	3.03	<15	1.34	13	23	0.85	710
FRDD016	18	730	2	1.52	27	10	53	37	3.21	<15	1.37	13	22	0.86	784
FRDD017	13	598	2	1.88	39	11	66	120	3.39	<15	1.21	13	23	0.94	744
FRDD018	22	646	2	2.19	50	12	49	22	3.96	<15	1.31	27	36	1.24	710
FRDD019	26	680	2	2.58	49	9	47	17	3.47	<15	1.37	23	39	1.22	624
FRDD020	17	640	2	1.72	45	11	55	23	3.70	<15	1.35	24	40	1.33	596
FRDD021	13	747	2	1.77	35	12	69	33	3.59	<15	1.18	13	27	1.25	889
FRDD022	<10	636	2	1.93	36	11	67	24	3.54	<15	1.34	13	24	1.05	847
FRDD023	25	702	2	1.87	54	11	50	21	3.83	<15	1.35	29	37	1.10	747
FRDD024	15	684	2	2.44	45	11	46	19	3.96	<15	1.54	24	36	1.22	776
FRDD025	10	514	2	2.09	38	22	267	47	4.24	<15	1.09	19	29	2.52	842
FRDD026	20	702	2	3.38	34	11	68	23	3.30	<15	1.26	29	36	1.28	660
FRDD027	15	659	2	2.26	44	10	40	23	3.78	<15	1.46	24	39	1.09	740
FRDD028	20	683	2	2.17	53	10	41	19	3.81	<15	1.61	25	43	1.10	733
FRDD029	15	647	2	2.05	40	10	37	18	3.75	<15	1.53	21	39	1.05	707
FRDD030	13	653	2	2.27	31	9	38	12	3.73	15	1.47	13	35	1.05	729
FRDD031	16	626	2	1.93	40	9	42	22	3.25	<15	1.34	29	24	0.84	700
FRDD032	16	582	2	2.30	44	9	42	84	3.45	<15	1.26	19	23	0.93	814
FRDD033	15	623	2	1.58	43	9	41	18	3.11	<15	1.42	21	23	0.75	678
FRDD034	17	574	2	2.14	34	10	39	20	3.44	<15	1.39	17	25	0.95	728
FRDD035	46	684	2	2.78	41	8	35	12	3.35	<15	1.67	21	36	1.18	682
FRDD036	13	652	2	2.01	45	10	39	19	3.60	<15	1.51	23	45	1.13	649
FRDD037	16	661	2	2.29	40	9	40	16	3.54	<15	1.45	21	42	1.08	653
FRDD038	15	659	2	2.20	40	10	38	16	3.68	<15	1.55	21	40	1.11	722
FRDD039	19	691	2	2.51	53	11	46	16	4.20	<15	1.61	29	44	1.38	836
FRDD040	26	704	2	2.13	50	10	44	22	3.88	<15	1.55	23	50	1.24	639
FRDD041	20	723	2	2.56	38	9	42	14	3.83	<15	1.59	22	41	1.17	730
FRDD042	18	668	2	2.35	41	11	38	15	4.25	<15	1.56	22	41	1.25	811
FRDD043	16	571	2	2.80	32	10	29	15	3.94	<15	1.24	17	26	1.22	765
FRDD044	21	584	2	2.21	37	11	40	20	3.75	<15	1.34	29	28	1.07	754
FRDD045	15	723	2	2.26	46	9	39	14	3.91	<15	1.86	24	43	1.07	767
FRDD046	12	642	2	2.30	41	9	38	13	3.66	<15	1.35	29	33	1.08	716
FRDD047	11	711	2	2.53	48	10	42	19	3.76	<15	1.66	23	43	1.21	735
FRDD048	19	673	2	2.35	43	10	38	16	3.64	<15	1.50	22	41	1.14	703
FRDE001	<10	636	2	1.86	43	12	101	51	3.07	<15	1.18	21	25	1.17	699
FRDE002	<10	568	2	2.55	40	10	41	130	3.31	<15	1.19	29	28	1.10	762
FRDE003	<10	518	2	3.19	32	10	34	12	5.03	<15	1.02	13	21	1.29	1132
FRDE004	17	526	2	1.53	37	12	80	20	2.05	<15	1.00	19	20	1.01	683
FRDE005	<10	484	2	3.72	29	33	111	96	6.47	<15	0.59	14	18	2.28	987

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	F	PB	SC	SR	TH	TI	V	Y	ZN	ZR
FRDC047	<4	1.11	12	27	855	<10	9	231	15	3827	96	15	93	25
FRDC048	<4	2.05	13	23	608	14	9	292	7	3796	78	17	82	29
FRDD001	<4	1.19	12	32	1021	25	11	265	12	4225	114	17	117	25
FRDD002	<4	1.55	13	20	1040	20	11	245	6	4387	98	15	100	26
FRDD003	<4	1.66	14	16	848	14	12	282	11	4966	107	15	86	31
FRDD004	<4	1.77	10	44	421	72	11	313	10	3725	118	15	88	30
FRDD005	<4	1.44	9	35	950	31	11	242	12	3670	102	15	151	28
FRDD006	<4	1.30	9	44	647	28	12	185	11	3725	95	15	84	28
FRDD007	<4	1.67	10	26	1124	366	12	225	4	4015	104	15	123	20
FRDD008	<4	0.90	8	122	600	16	14	147	7	3301	95	15	113	25
FRDD009	<4	0.09	8	41	559	16	12	150	3	4086	109	15	99	28
FRDD010	<4	0.19	7	70	734	26	12	166	8	3476	111	15	99	39
FRDD011	<4	0.01	9	365	335	26	11	137	5	3530	90	15	108	30
FRDD012	<4	1.08	9	31	456	11	9	172	8	3382	68	14	127	31
FRDD013	<4	1.14	8	42	448	14	12	172	9	3912	93	15	107	27
FRDD014	<4	1.36	9	50	423	19	13	199	7	4499	115	15	217	28
FRDD015	<4	1.28	10	28	1330	37	10	195	8	3702	88	15	327	31
FRDD016	<4	1.34	10	27	408	16	11	186	<2	3846	94	15	93	28
FRDD017	<4	1.39	10	36	411	44	12	208	10	3981	100	15	513	28
FRDD018	<4	1.37	13	25	685	30	11	219	21	4300	101	15	138	31
FRDD019	<4	1.50	3	24	413	10	10	266	12	4007	88	17	72	34
FRDD020	<4	0.21	10	36	402	13	10	207	10	3710	93	17	80	27
FRDD021	<4	1.27	8	34	319	10	12	192	9	4009	109	15	77	28
FRDD022	<4	1.57	9	34	343	15	12	218	8	4121	106	15	71	30
FRDD023	<4	1.40	3	26	496	21	11	216	15	4260	96	25	82	33
FRDD024	<4	1.74	4	21	725	49	11	233	15	4377	100	25	103	36
FRDD025	<4	0.54	9	218	656	<10	13	159	5	4084	108	17	95	33
FRDD026	<4	1.31	10	51	620	37	10	219	10	3648	83	17	99	29
FRDD027	<4	1.66	13	20	707	78	11	218	12	4035	89	25	101	37
FRDD028	<4	1.68	15	19	773	13	11	211	12	4279	90	21	145	41
FRDD029	<4	1.58	14	25	834	64	10	203	11	4139	88	15	116	31
FRDD030	<4	1.51	11	18	533	<10	11	226	6	4103	90	25	75	32
FRDD031	<4	1.55	10	22	415	<10	11	219	10	4029	89	17	68	35
FRDD032	<4	1.47	11	21	1945	61	11	228	13	4314	91	15	377	32
FRDD033	<4	1.56	10	21	323	<10	10	213	10	4067	87	15	60	35
FRDD034	<4	1.74	9	21	465	<10	12	244	10	4124	97	15	71	30
FRDD035	<4	2.20	13	16	671	<10	10	304	9	3801	94	15	74	36
FRDD036	<4	1.54	12	15	659	17	10	222	9	3917	83	15	102	31
FRDD037	<4	1.50	11	18	744	<10	10	205	11	3938	82	15	83	35
FRDD038	<4	1.71	12	20	671	15	11	220	9	4155	88	15	63	35
FRDD039	<4	1.62	16	19	1032	21	11	278	12	4827	99	22	100	54
FRDD040	<4	1.39	13	23	756	<10	10	239	13	4060	89	25	95	29
FRDD041	<4	1.75	12	15	828	12	10	256	9	4337	91	15	84	32
FRDD042	<4	1.66	12	18	825	23	11	235	12	4756	99	25	92	33
FRDD043	<4	1.51	9	12	618	<10	13	261	6	4525	102	25	77	30
FRDD044	<4	1.59	10	22	593	28	12	250	8	4312	100	15	79	31
FRDD045	<4	2.00	13	18	1006	47	11	226	12	4345	91	21	121	45
FRDD046	<4	1.61	12	15	736	23	11	221	12	4046	87	15	85	41
FRDD047	<4	1.68	13	21	774	14	10	266	16	4155	87	15	89	35
FRDD048	<4	1.70	13	20	886	26	10	230	15	3919	83	15	105	27
FRDE001	<4	0.99	10	54	721	31	9	179	11	3527	82	15	161	30
FRDE002	<4	1.28	10	25	1018	22	11	212	12	3784	83	15	400	30
FRDE003	<4	1.81	13	13	938	10	17	242	18	6447	142	25	101	44
FRDE004	<4	0.59	3	52	353	18	10	160	13	3675	82	16	69	33
FRDE005	<4	1.03	7	71	2719	<10	19	256	8	6459	232	25	108	13

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-DP	ODOR	CUN1	CUN2	CUN3	FORM
FRDE006	36.031	118.885	07	82580				3	1	1				2	QTRN
FRDE007	36.026	118.844	07	82580				3	1	1				2	QTRN
FRDE009	36.019	118.820	07	82580				3	1	1				6	MSZC
FRDE009	36.050	118.857	07	82580				3	1	1				2	MSZC
FRDE010	36.065	118.866	07	82580				4	1	1				2	MSZC
FRDE011	36.081	118.887	07	82580				4	1	1				7	QTRN
FRDE012	36.105	118.808	07	82580				3	1	1				2	MSZC
FRDE013	36.085	118.820	07	82580				4	1	1				2	QTRN
FRDE014	36.108	118.853	07	82580				3	1	1				2	MSZC
FRDE015	36.109	118.863	07	82580				4	1	1				2	QTRN
FRDE016	36.110	118.936	07	82580				3	1	1				2	MSZC
FRDE017	36.110	118.963	07	82580				3	1	1				7	QTRN
FRDE018			07	82580				3	1	1				7	QTRN
FRDE019	36.073	118.965	07	82580				3	1	1				7	QTRN
FRDE020	36.139	118.770	07	82680				4	1	1				2	MSZC
FRDE021	36.140	118.806	07	82680				3	1	1				2	MSZC
FRDE022	36.168	118.803	07	82680				3	1	1				2	MSZC
FRDE023	36.208	118.778	07	82680				3	1	1				2	MSZC
FRDE024	36.201	118.808	07	82680				3	1	1				2	MSZC
FRDE025	36.234	118.777	07	82680				3	1	1				2	MSZC
FRDE026	36.227	118.810	07	82680				3	1	1				2	MSZC
FRDE027	36.233	118.853	07	82680				3	1	1				2	MSZC
FRDE028	36.238	118.896	07	82680				3	1	1				2	QTRN
FRDE029	36.141	118.866	07	82680				3	1	1				2	MSZC
FRDE030	36.134	118.954	07	82680				4	1	1				2	QTRN
FRDE031	36.145	118.980	07	82680				4	1	1				8	QTRN
FRDE032	36.175	118.996	07	82680				3	1	1				7	QTRN
FRDE033	36.193	118.988	07	82680				3	1	1				7	MSZC
FRDF001	36.116	118.818	07	82780				4	1	1				2	MSZC
FRDF002	36.108	118.638	07	82780				3	1	1				2	MSZC
FRDF003	36.089	118.657	07	82780				3	1	1				2	MSZC
FRDF004	36.142	118.602	07	82780				4	1	1				2	MSZC
FRDF005	36.142	118.560	07	82780				3	1	1				2	MSZC
FRDF006	36.180	118.693	07	82780				3	1	1				2	MSZC
FRDF007	36.184	118.649	07	82780				3	1	1				2	MSZC
FRDF008	36.110	118.554	07	82880				4	1	1				2	MSZC
FRDF009	36.104	118.526	07	82880				3	1	1				2	MSZC
FRDF010	36.080	118.522	07	82880				4	1	1				2	MSZC
FRDF011	36.048	118.543	07	82880				3	1	1				2	MSZC
FRDF012	36.017	118.562	07	82880				3	1	1				2	MSZC
FRDF013	36.036	118.512	07	82880				3	1	1				2	MSZC
FRDF014	36.016	118.513	07	82880				3	1	1				2	MSZC
FRDF015	36.013	118.610	07	82880				4	1	1				2	MSZC
FRDF016	36.085	118.548	07	82880				3	1	1				2	MSZC
FRDF017	36.127	118.539	07	82880				3	1	1				2	MSZC
FRDF018	36.169	118.530	07	82880				3	1	1				2	MSZC
FRDF019	36.174	118.561	07	82880				3	1	1				2	MSZC
FRDF020	36.199	118.568	07	82880				3	1	1				2	MSZC
FRDF021	36.161	118.610	07	82880				3	1	1				2	MSZC
FRDF022	36.169	118.628	07	82880				3	1	1				2	MSZC
FRDF023	36.189	118.631	07	82880				3	1	1				2	MSZC
FRDF024	36.143	118.639	07	82880				3	1	1				2	MSZC
FRDF025	36.161	118.713	07	82880				3	1	1				2	MSZC
FRDF026	36.151	118.744	07	82880				3	1	1				2	MSZC
FRDF027	36.206	118.726	07	82980				3	1	1				2	MSZC

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	DVEG	MAP	U-1	U-NT	AG	AL
FRDE006	10		22.00	04	1	1	2	4	2	NJ1110		2.00	<2	7.94
FRDE007	10		32.00	04	1	1	2	4	2	NJ1110		4.10	<2	7.08
FRDE008	10		30.00	05	1	1	3	4	2	NJ1110		4.10	<2	6.89
FRDE009	10		25.00	04	1	1	3	4	2	NJ1110		3.00	<2	8.10
FRDE010	10		22.00	04	1	1	2	4	2	NJ1110		2.60	<2	8.09
FRDE011	10		25.00	10	1	1	1	1	2	NJ1110		3.40	<2	6.98
FRDE012	10		22.00	04	1	1	2	4	2	NJ1110		3.50	<2	7.73
FRDE013	10		20.00	10	1	1	2	4	2	NJ1110		3.10	<2	8.26
FRDE014	10		20.00	04	1	1	2	4	2	NJ1110		3.60	<2	9.03
FRDE015	10		30.00	10	1	1	1	4	2	NJ1110		2.10	<2	6.99
FRDE016	10		16.00	04	1	1	3	4	2	NJ1110		1.50	<2	7.64
FRDE017	10		15.00	10	1	1	2	1	2	NJ1110		2.30	<2	5.40
FRDE018	10		15.00	10	1	1	2	1	2			2.80	<2	6.40
FRDE019	10		22.00	10	1	1	2	1	2	NJ1110		2.70	<2	6.23
FRDE020	10		25.00	04	1	1	2	4	2	NJ1110		4.50	<2	8.60
FRDE021	10		76.00	04	1	1	2	4	2	NJ1110		28.00	<2	9.02
FRDE022	10		40.00	04	1	1	3	4	2	NJ1110		5.50	<2	7.66
FRDE023	10		42.00	04	1	1	3	4	2	NJ1110		4.50	<2	8.50
FRDE024	10		36.00	04	1	1	1	4	2	NJ1110		11.80	<2	5.90
FRDE025	10		40.00	04	1	1	2	4	2	NJ1110		3.80	<2	8.04
FRDE026	10		42.00	04	1	1	2	2	2	NJ1110		9.10	<2	7.54
FRDE027	10		36.00	04	1	1	3	4	2	NJ1110		3.10	<2	8.48
FRDE028	10		30.00	04	1	1	2	2	2	NJ1110		2.50	<2	8.62
FRDE029	10		16.00	04	1	1	2	4	2	NJ1110		2.40	<2	8.39
FRDE030	10		25.00	10	1	1	1	4	2	NJ1110		2.30	<2	7.78
FRDE031	10		20.00	10	1	1	1	4	2	NJ1110		1.80	<2	6.77
FRDE032	10		20.00	10	1	1	3	4	2	NJ1110		3.00	<2	7.07
FRDE033	10		20.00	04	1	1	3	1	2	NJ1110		2.60	<2	7.13
FRDF001	10		46.00	05	1	1	2	2	2	NJ1110	5.12		<2	8.60
FRDF002	10		42.00	04	1	1	2	2	2	NJ1110	1.56		<2	9.14
FRDF003	10		46.00	04	1	1	3	2	2	NJ1110	2.97		<2	10.35
FRDF004	10		40.00	04	1	1	2	2	2	NJ1110	7.48		<2	7.31
FRDF005	10		60.00	04	1	1	4	2	2	NJ1110	8.44		<2	10.47
FRDF006	10		54.00	04	1	1	3	4	2	NJ1110	7.79		<2	8.74
FRDF007	10		20.00	04	1	1	3	2	2	NJ1110	2.71		<2	5.27
FRDF008	10		33.00	04	1	1	2	2	2	NJ1110	3.98		<2	11.35
FRDF009	10		86.00	04	1	1	2	2	2	NJ1110	11.08		<2	9.47
FRDF010	10		46.00	04	1	1	2	2	2	NJ1110	4.59		<2	9.89
FRDF011	10		45.00	04	1	1	3	2	2	NJ1110	2.64		<2	10.79
FRDF012	10		34.00	04	1	1	3	2	2	NJ1110	3.57		<2	12.01
FRDF013	10		52.00	04	1	1	2	2	2	NJ1110	5.57		<2	9.68
FRDF014	10		50.00	04	1	1	3	2	2	NJ1110	4.56		<2	10.47
FRDF015	10		30.00	04	1	1	3	2	2	NJ1110	4.13		<2	8.28
FRDF016	10		36.00	04	1	1	2	2	2	NJ1110	3.56		<2	9.35
FRDF017	10		45.00	04	1	1	2	2	2	NJ1110	4.55		<2	9.00
FRDF018	10		40.00	04	1	1	2	2	2	NJ1110	3.55		<2	10.13
FRDF019	10		40.00	04	1	1	2	2	2	NJ1110	4.54		<2	10.47
FRDF020	10		42.00	04	1	1	3	2	2	NJ1110	1.97		<2	8.76
FRDF021	10		56.00	04	1	1	3	2	2	NJ1110	4.56		<2	10.04
FRDF022	10		35.00	04	1	1	3	2	2	NJ1110	2.66		<2	10.31
FRDF023	10		32.00	04	1	1	3	2	2	NJ1110	1.55		<2	10.32
FRDF024	10		46.00	05	1	1	3	2	2	NJ1110	1.92		<2	8.02
FRDF025	10		56.00	04	1	1	4	2	2	NJ1110	6.90		<2	10.60
FRDF026	10		40.00	04	1	1	4	2	2	NJ1110	4.59		<2	8.98
FRDF027	10		46.00	04	1	1	3	2	2	NJ1110	7.41		<2	9.02

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	R	BA	BE	CA	CE	CD	CR	CU	FE	HF	K	L4	L1	MG	MN
FRDE006	<10	503	2	3.30	37	13	27	23	4.37	<15	0.91	17	14	1.52	997
FRDE007	<10	659	2	2.16	40	9	31	14	3.53	<15	1.32	19	30	0.89	737
FRDE008	<10	840	2	2.03	45	11	39	29	3.88	<15	1.29	29	26	0.96	846
FRDE009	15	866	3	1.91	53	7	61	43	3.53	<15	1.58	29	21	0.97	443
FRDE010	15	609	2	2.70	38	15	54	23	4.61	<15	1.27	19	19	1.46	967
FRDE011	12	845	2	1.44	42	9	59	44	3.25	<15	1.70	26	26	0.99	529
FRDE012	10	442	2	3.16	32	14	50	21	4.99	<15	1.08	15	26	1.56	953
FRDE013	16	591	2	2.84	40	17	42	38	5.71	<15	1.00	29	21	1.49	924
FRDE014	<10	622	2	2.78	39	13	40	21	4.13	<15	1.08	26	25	1.03	773
FRDE015	17	454	2	2.82	29	14	46	25	3.93	<15	0.81	14	17	1.13	961
FRDE016	<10	325	2	3.43	22	19	127	29	4.98	<15	0.55	15	15	1.91	1114
FRDE017	<10	517	2	1.35	40	30	909	36	4.16	<15	0.81	29	18	2.06	901
FRDE018	12	457	2	2.07	39	17	92	37	3.91	<15	0.87	17	22	1.33	899
FRDE019	11	521	2	1.82	44	15	134	69	3.24	<15	0.93	21	20	1.49	843
FRDE020	11	739	2	1.45	55	8	26	11	3.07	<15	1.69	27	31	0.55	674
FRDE021	11	437	2	2.00	59	4	13	18	2.95	<15	1.52	34	42	0.54	679
FRDE022	18	555	2	2.57	51	13	42	21	4.76	<15	1.22	24	29	1.31	940
FRDE023	10	553	3	1.74	53	18	111	37	5.11	<15	1.18	39	41	1.28	799
FRDE024	23	512	2	2.48	36	14	58	23	4.14	<15	1.37	15	23	1.42	879
FRDE025	29	601	2	2.96	45	15	64	24	4.59	<15	1.52	29	19	1.56	995
FRDE026	<10	730	3	1.60	61	6	21	28	3.40	<15	1.87	39	33	0.64	737
FRDE027	29	552	2	2.85	43	16	64	45	4.81	<15	1.33	21	19	1.54	1120
FRDE028	<10	622	1	3.40	19	20	44	94	5.95	<15	0.90	19	24	1.83	1176
FRDE029	12	679	2	3.58	38	15	30	56	5.03	<15	1.20	17	23	1.63	1023
FRDE030	18	522	2	3.35	38	14	41	53	4.26	<15	1.39	15	19	1.34	972
FRDE031	13	564	2	1.92	28	11	57	42	3.25	<15	1.07	15	20	0.98	768
FRDE032	16	718	2	1.61	36	13	71	51	3.74	<15	1.28	15	24	1.04	926
FRDE033	13	603	2	2.05	43	10	99	110	2.97	<15	1.23	21	22	1.25	925
FRDF001	27	1082	1	0.41	48	8	66	53	4.19	<15	1.41	23	37	0.42	422
FRDF002	21	709	3	1.36	32	4	8	9	2.02	<15	2.09	19	36	0.43	516
FRDF003	23	611	2	0.77	47	5	14	15	2.52	<15	1.72	19	25	0.43	324
FRDF004	26	3103	2	0.48	64	6	47	58	2.86	<15	1.58	49	25	0.47	460
FRDF005	28	451	4	0.55	42	4	6	3	1.27	<15	2.12	39	41	0.26	247
FRDF006	21	415	2	2.55	39	10	23	7	3.99	<15	1.58	15	38	0.98	767
FRDF007	24	303	1	3.13	34	26	85	37	7.35	<15	0.60	15	20	1.82	1024
FRDF008	24	850	3	1.96	53	8	19	10	3.19	15	1.48	25	53	0.76	599
FRDF009	26	468	3	1.53	60	7	18	20	2.59	<15	1.49	32	65	0.68	818
FRDF010	27	638	2	1.67	37	6	16	9	2.88	22	1.83	29	58	0.69	1061
FRDF011	23	655	2	2.04	30	5	11	3	2.11	<15	1.23	13	33	0.57	374
FRDF012	22	848	2	0.83	31	7	6	4	2.36	<15	1.77	21	40	0.45	399
FRDF013	25	555	2	2.04	32	10	16	7	3.39	<15	1.63	29	37	0.88	630
FRDF014	21	343	3	1.67	16	4	6	3	1.65	<15	1.65	17	35	0.40	390
FRDF015	24	633	2	1.41	25	7	13	14	3.61	<15	1.77	15	64	0.67	964
FRDF016	23	627	2	1.13	40	11	29	14	3.27	<15	1.53	13	34	0.68	693
FRDF017	22	633	2	1.87	34	10	37	11	3.77	<15	1.89	17	66	1.10	852
FRDF018	12	594	3	1.67	41	9	22	7	3.24	<15	1.54	21	54	0.77	679
FRDF019	14	545	2	1.56	49	6	17	6	2.72	<15	1.48	25	46	0.64	604
FRDF020	20	386	2	2.32	39	14	53	23	4.28	<15	0.95	15	41	1.42	841
FRDF021	14	361	2	3.04	60	14	59	23	4.28	22	1.03	29	43	1.56	722
FRDF022	24	365	2	2.19	41	12	44	22	3.17	<15	1.13	22	38	1.09	515
FRDF023	<10	330	1	1.84	45	24	46	34	6.43	<15	0.69	29	22	1.44	888
FRDF024	<10	625	2	0.75	54	14	63	33	4.33	<15	2.15	25	46	0.55	511
FRDF025	<10	503	2	1.06	73	5	10	10	2.80	<15	1.61	41	32	0.40	412
FRDF026	<10	622	2	2.03	43	7	17	11	3.06	<15	1.47	22	24	0.64	628
FRDF027	<10	457	2	1.93	39	9	21	8	3.58	<15	1.62	22	43	0.87	784

Table 4, Continued
DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PO	SC	SR	TH	TI	V	Y	ZN	ZK
FRDE006	<4	1.64	10	16	857	26	18	283	3	4963	138	29	103	28
FRDE007	<4	1.78	12	15	713	21	10	241	10	3899	84	17	318	37
FRDE008	<4	1.49	12	19	749	39	12	212	14	4338	104	19	89	30
FRDE009	<4	1.60	12	26	502	13	12	231	11	4584	139	29	104	22
FRDE010	<4	1.47	11	21	447	12	17	226	4	4981	143	14	85	26
FRDE011	<4	1.09	9	29	672	18	11	178	8	3811	106	14	247	39
FRDE012	<4	1.42	13	12	769	<10	18	205	7	5728	157	21	65	19
FRDE013	<4	1.24	12	18	683	10	20	197	10	6242	172	13	17	22
FRDE014	<4	1.79	16	17	480	14	15	247	9	6131	104	17	73	29
FRDE015	<4	1.14	9	21	1129	51	14	214	10	5234	126	13	129	25
FRDE016	<4	1.42	8	44	611	12	18	235	8	6638	162	29	78	25
FRDE017	<4	0.79	10	385	332	16	10	135	12	4158	93	19	94	32
FRDE018	<4	1.19	10	72	628	18	14	167	6	4919	118	19	89	30
FRDE019	<4	1.04	12	113	623	16	11	166	10	4108	91	19	167	31
FRDE020	<4	1.99	13	14	653	<10	8	170	9	3530	62	19	71	41
FRDE021	<4	2.44	12	8	811	44	7	225	51	2417	48	22	95	176
FRDE022	<4	1.52	13	15	850	20	16	206	16	5062	130	24	100	27
FRDE023	<4	1.28	15	84	563	27	13	193	13	5525	119	14	125	23
FRDE024	<4	1.32	9	19	523	<10	16	204	12	4354	120	21	77	24
FRDE025	<4	1.42	14	26	1058	22	18	213	14	5042	138	29	106	24
FRDE026	<4	1.85	19	7	469	<10	8	161	14	3957	65	39	95	72
FRDE027	<4	1.56	11	20	490	<10	13	221	9	4851	140	29	99	25
FRDE028	<4	1.17	9	24	1476	<10	17	250	<2	5004	190	19	116	17
FRDE029	<4	1.58	7	14	1740	15	17	262	6	5186	145	22	123	25
FRDE030	<4	1.73	10	19	1489	34	16	249	3	4924	127	29	134	30
FRDE031	<4	1.18	7	28	1030	<10	12	189	3	3967	93	17	75	26
FRDE032	<4	1.16	9	36	655	23	13	169	8	4198	113	17	97	33
FRDE033	<4	1.78	10	37	1358	21	10	212	8	3672	82	14	256	33
FRDF001	<4	0.43	14	50	1083	15	11	136	9	4748	276	12	167	43
FRDF002	<4	2.38	13	8	508	20	3	308	6	3189	50	9	66	22
FRDF003	<4	1.31	7	8	237	15	4	200	8	2998	63	9	81	30
FRDF004	<4	0.33	9	41	2052	12	11	125	11	3028	190	29	121	31
FRDF005	<4	2.17	11	4	75	23	4	151	26	1293	24	17	39	69
FRDF006	<4	2.13	12	5	532	26	12	227	14	3358	115	17	77	76
FRDF007	<4	0.93	14	22	1094	<10	18	299	4	10103	378	19	95	17
FRDF008	<4	1.87	14	11	1022	13	8	299	9	4306	82	19	68	21
FRDF009	<4	2.11	14	9	946	22	6	204	25	3513	67	12	83	96
FRDF010	<4	2.07	14	9	1073	16	7	249	4	3772	71	13	82	32
FRDF011	<4	2.23	6	5	208	16	5	373	8	2695	56	9	55	16
FRDF012	<4	1.00	4	3	559	21	4	202	<2	3088	64	3	51	10
FRDF013	<4	1.91	9	9	667	10	7	343	6	4707	107	7	108	20
FRDF014	<4	3.13	4	4	162	25	4	289	18	2033	38	4	61	54
FRDF015	<4	1.58	11	8	1143	16	9	162	5	3772	74	19	104	23
FRDF016	<4	1.04	13	13	523	15	8	154	11	4147	94	9	73	30
FRDF017	<4	1.90	10	15	1041	<10	8	252	6	4606	108	19	93	55
FRDF018	<4	1.82	16	12	472	10	8	222	13	4421	86	19	87	31
FRDF019	<4	1.83	11	9	655	17	8	224	19	3308	69	19	67	31
FRDF020	<4	1.65	11	26	539	14	13	255	10	5008	140	19	78	26
FRDF021	<4	1.59	12	18	708	13	15	277	17	4385	136	29	76	14
FRDF022	<4	1.42	9	16	463	15	9	245	12	4413	102	19	60	13
FRDF023	<4	0.78	10	21	755	12	20	205	7	7226	229	29	107	15
FRDF024	<4	0.94	18	34	312	<10	13	143	7	7410	114	19	101	46
FRDF025	<4	2.00	12	5	253	37	7	136	23	2569	53	17	93	53
FRDF026	<4	2.40	9	7	478	75	9	211	9	2624	66	19	138	38
FRDF027	<4	1.59	11	9	730	15	10	194	9	3135	96	19	77	60

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	LAT	LONG	NTYP	DAY	WTEM	COND	ALK	SIZE	WIDE	S-OP	ODOR	CUN1	CUN2	CUN3	FORM
FRDF028	36.207	118.696	07	82980				3	1	1				2	MSZC
FRDF029	36.230	118.679	07	82980				3	1	1				2	MSZC
FRDF030	36.247	118.664	07	82980				4	1	1				2	MSZC
FRDF031	36.232	118.713	07	82980				4	1	1				2	MSZC
FRDG001	36.030	118.491	08	82680				3	1	1				2	MSZC
FRDG002	36.050	118.486	08	82680				3	1	1				2	MSZC
FRDG003	36.081	118.479	08	82780				3	1	1				2	MSZC
FRDG004	36.110	118.466	08	82780				3	1	1				2	MSZC
FRDG005	36.166	118.484	05	82780	18.0	117.00	1.00	3	5	2	2			2	MSZC
FRDG006	36.139	118.453	07	82780				3	1	1				4	PICH
FRDG007	36.139	118.477	05	82780	18.0	66.00	0.70	3	5	2	2			8	MSZC
FRDG009	36.017	118.357	05	82780	11.0	45.00	0.55	2	5	2	2			8	MSZC
FRDG010	36.021	118.317	08	82880				3	1	1				8	MSZC
FRDG011	36.018	118.280	08	82880				3	1	1				2	MSZC
FRDG012	36.049	118.274	08	82880				3	1	1				2	MSZC
FRDG013	36.079	118.268	07	82880				3	1	1				2	MSZC
FRDG014	36.116	118.264	07	82880				3	1	1				2	MSZC
FRDG015	36.142	118.271	08	82880				3	1	1				2	MSZC
FRDG016	36.176	118.267	07	82880				3	1	1				2	MSZC
FRDG017	36.172	118.302	07	82880				3	1	1				1	MSZC
FRDG018	36.142	118.300	08	82880				3	1	1				2	MSZC
FRDG019	36.114	118.253	07	82880				3	1	1				2	MSZC
FRDG020	36.078	118.295	08	82880				3	1	1				2	MSZC
FRDG021	36.051	118.322	08	82880				2	1	1				2	MSZC
FRDG022	36.052	118.353	08	82880				3	1	1				8	MSZC
FRDG023	36.011	118.373	07	82980				3	1	1				1	MSZC
FRDH001	36.204	118.018	07	82180				4	1	1				6	QTRN
FRDH002	36.218	118.039	07	82180				4	1	1				2	QTRN
FRDH003	36.214	118.052	07	82180				4	1	1				2	QTRN
FRDH004	36.232	118.058	07	82180				4	1	1				2	QTRN
FRDH005	36.176	118.005	07	82180				4	1	1				2	QTRN
FRDH006	36.141	118.014	07	82180				4	1	1				6	QTRN
FRDH007	36.137	118.043	07	82180				4	1	1				2	QTRN
FRDH008	36.116	118.005	07	82180				4	1	1				2	QTRN
FRDH009	36.064	118.004	07	82180				4	1	1				2	QTRN
FRDH010	36.012	118.074	07	82180				4	1	1				2	QTRN
FRDH011	36.047	118.060	07	82180				4	1	1				2	QTRN
FRDH012	36.066	118.061	07	82180				4	1	1				2	QTRN
FRDH013	36.008	118.113	07	82180				4	1	1				2	QTRN
FRDH014	36.041	118.131	07	82180				4	1	1				2	QTRN
FRDH015	36.031	118.119	07	82180				4	1	1				2	QTRN
FRDH016	36.021	118.137	07	82180				4	1	1				2	QTRN
FRDH017	36.029	118.176	07	82180				4	1	1				2	CRTC
FRDH018	36.063	118.128	07	82280				4	1	1				2	CRTC
FRDH019	36.036	118.154	07	82280				4	1	1				2	UNKN
FRDH020	36.076	118.218	07	82280				4	1	1				2	UNKN
FRDH021	36.098	118.225	07	82280				4	1	1				2	UNKN
FRDH022	36.057	118.226	07	82280				4	1	1				2	UNKN

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	TOT	PH	SCIN	RTYP	FLOW	SLVL	RELF	TVEG	OVEG	MAP	U-P	U-N1	AG	AL
FRDF028	10		55.00	04	1	1	3	3	2	NJ1110	10.74		<2	11.80
FRDF029	10		26.00	04	1	1	3	2	2	NJ1110	3.12		<2	9.01
FRDF030	10		48.00	05	1	1	3	2	2	NJ1110	3.95		<2	8.70
FRDF031	10		48.00	04	1	1	3	2	2	NJ1110	4.79		<2	10.48
FRDG001	10		45.00	04	1	1	4	2	2	NJ1110	5.01		<2	10.59
FRDG002	10		45.00	04	1	1	4	2	2	NJ1110	3.53		<2	10.67
FRDG003	10		56.00	04	1	1	4	2	2	NJ1110	4.70		<2	10.40
FRDG004	10		75.00	04	1	1	4	2	2	NJ1110	6.42		<2	10.39
FRDG005	10	8.2	68.00	04	3	2	3	2	2	NJ1110	21.24		<2	8.09
FRDG006	10		24.00	03	1	1	3	2	2	NJ1110	2.75		<2	10.14
FRDG007	10	7.5	48.00	01	3	2	3	2	2	NJ1110	14.00		<2	7.70
FRDG009	10	8.0	30.00	04	3	2	3	2	2	NJ1110	2.25		<2	7.01
FRDG010	10		56.00	04	1	1	4	2	2	NJ1110	3.77		<2	9.09
FRDG011	10		25.00	05	1	1	4	2	2	NJ1110	5.11		<2	8.03
FRDG012	10		62.00	04	1	1	3	2	2	NJ1110	1.99		<2	9.90
FRDG013	10		46.00	04	1	1	3	2	2	NJ1110	2.57		<2	9.34
FRDG014	10		50.00	04	1	1	3	2	2	NJ1110	3.22		<2	9.59
FRDG015	10		38.00	04	1	1	4	2	2	NJ1110	3.55		<2	9.91
FRDG016	10		33.00	01	1	1	3	2	2	NJ1110	1.05		<2	9.50
FRDG017	10		39.00	04	1	1	3	2	1	NJ1110	3.46		<2	8.95
FRDG018	10		69.00	04	1	1	3	2	2	NJ1110	5.77		<2	8.92
FRDG019	10		50.00	04	1	1	3	2	2	NJ1110	4.50		<2	8.70
FRDG020	10		60.00	04	1	1	4	2	2	NJ1110	4.00		<2	8.68
FRDG021	10		30.00	05	1	1	4	2	2	NJ1110	2.59		<2	6.15
FRDG022	10		50.00	04	1	1	3	2	2	NJ1110	3.10		<2	8.11
FRDG023	10		45.00	04	1	1	4	2	2	NJ1110	2.13		<2	8.67
FRDH001	10		32.00	01	1	1	1	3	1	NJ1110	2.56		<2	7.00
FRDH002	10		37.00	01	1	1	1	3	1	NJ1110	2.59		<2	8.07
FRDH003	10		35.00	01	1	1	2	3	1	NJ1110	3.90		<2	7.85
FRDH004	10		30.00	01	1	1	2	3	1	NJ1110	2.07		<2	8.02
FRDH005	10		30.00	01	1	1	1	3	1	NJ1110	2.52		<2	7.71
FRDH006	10		32.00	01	1	1	2	3	1	NJ1110	2.11		<2	7.35
FRDH007	10		35.00	01	1	1	2	3	1	NJ1110	1.74		<2	7.03
FRDH008	10		28.00	01	1	1	2	3	1	NJ1110	1.42		<2	7.52
FRDH009	10		31.00	01	1	1	2	3	1	NJ1110	2.45		<2	7.70
FRDH010	10		41.00	01	1	1	2	2	1	NJ1110	4.59		<2	7.96
FRDH011	10		31.00	01	1	1	2	2	1	NJ1110	3.54		<2	8.38
FRDH012	10		30.00	01	1	1	2	2	2	NJ1110	2.92		<2	6.55
FRDH013	10		41.00	01	1	1	1	2	1	NJ1110	2.07		<2	8.52
FRDH014	10		37.00	01	1	1	1	2	1	NJ1110	6.53		<2	8.95
FRDH015	10		38.00	01	1	1	1	2	2	NJ1110	4.52		<2	7.90
FRDH016	10		47.00	01	1	1	1	2	1	NJ1110	0.02		<2	7.67
FRDH017	10		40.00	04	1	1	2	2	2	NJ1110	3.43		<2	7.05
FRDH018	10		28.00	04	1	1	2	2	2	NJ1110	3.45		<2	8.51
FRDH019	10		35.00	04	1	1	2	2	2	NJ1110	1.42		<2	7.64
FRDH020	10		65.00	04	1	1	2	2	2	NJ1110	3.50		<2	8.49
FRDH021	10		58.00	04	1	1	1	2	2	NJ1110	7.73		<2	9.24
FRDH022	10		47.00	04	1	1	2	2	2	NJ1110	3.78		<2	8.71

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	B	BA	BE	CA	CE	CO	CR	CU	FE	HF	K	LA	LI	MG	MN
FRDF028	<10	352	3	1.79	59	10	12	5	4.07	<15	1.11	31	38	0.85	577
FRDF029	22	635	2	2.34	36	11	20	8	3.89	<15	1.61	17	41	1.14	789
FRDF030	31	645	2	0.05	130	18	51	29	3.83	<15	2.14	65	51	0.68	500
FRDF031	10	626	2	1.60	62	10	18	8	3.28	<15	1.59	35	53	0.82	1253
FRDG001	<10	476	2	2.65	44	9	13	13	3.36	<15	1.17	27	40	1.04	634
FRDG002	<10	500	2	2.58	39	9	16	5	3.33	<15	1.28	23	37	1.00	583
FRDG003	11	880	2	2.41	51	7	15	9	3.20	<15	1.48	23	37	0.75	460
FRDG004	<10	457	3	2.53	58	7	12	10	3.69	<15	1.24	50	39	0.78	685
FRDG005	<10	297	3	2.18	172	5	19	4	8.81	<15	1.26	61	45	0.31	464
FRDG006	<10	484	2	1.31	57	38	159	48	8.12	<15	1.11	32	23	1.35	1506
FRDG007	<10	641	2	2.57	55	7	33	3	3.56	<15	1.59	22	29	1.05	788
FRDG009	<10	310	1	4.13	66	12	12	10	10.70	32	0.57	25	12	1.78	2351
FRDG010	<10	628	2	1.49	59	9	16	24	3.90	<15	1.77	34	24	0.87	912
FRDG011	<10	1015	2	2.56	57	24	89	82	6.51	<15	1.37	25	31	1.93	1343
FRDG012	<10	355	3	2.66	65	10	10	19	3.57	<15	1.77	32	50	1.00	1042
FRDG013	<10	554	2	2.16	42	15	14	35	4.57	<15	1.37	21	34	1.21	1086
FRDG014	<10	418	2	2.84	48	15	14	31	4.69	<15	1.09	22	25	1.36	1070
FRDG015	<10	552	2	3.04	35	11	7	44	3.84	<15	1.13	14	26	1.00	811
FRDG016	<10	390	1	2.74	42	24	35	80	6.68	<15	0.95	23	24	1.92	1266
FRDG017	<10	476	2	2.47	54	14	19	46	4.47	<15	1.41	17	29	1.35	1285
FRDG018	<10	385	2	2.66	63	17	38	55	5.08	<15	1.37	29	23	1.57	1120
FRDG019	<10	517	2	2.14	43	12	57	31	3.41	<15	1.77	25	27	1.36	779
FRDG020	<10	285	2	2.88	54	11	5	43	4.08	<15	1.26	29	28	1.14	826
FRDG021	<10	2541	1	0.74	37	11	39	95	2.06	<15	1.36	21	21	0.95	933
FRDG022	<10	780	3	0.96	74	5	12	15	2.86	<15	1.60	33	21	0.55	1112
FRDG023	<10	655	2	1.64	29	12	25	97	4.25	17	1.03	14	22	1.26	1543
FRDH001	<10	608	2	2.69	100	13	39	27	5.93	17	1.69	59	26	1.22	1078
FRDH002	<10	693	2	1.88	113	8	23	15	4.32	31	1.92	61	11	0.73	544
FRDH003	<10	593	2	1.53	138	12	37	33	5.04	<15	1.72	79	23	1.05	865
FRDH004	<10	1331	2	1.79	55	9	22	21	4.79	21	2.10	53	17	0.86	1262
FRDH005	<10	521	2	3.36	59	14	36	21	4.07	<15	1.42	29	19	1.60	813
FRDH006	<10	442	2	3.44	58	17	51	36	5.04	<15	1.29	29	31	1.70	1009
FRDH007	<10	417	1	4.34	54	22	44	47	6.64	<15	1.14	27	28	2.00	1148
FRDH008	<10	472	1	4.17	59	23	86	39	6.33	<15	1.20	29	38	2.03	1097
FRDH009	<10	752	1	3.18	94	17	35	46	5.44	<15	1.62	47	36	1.87	1216
FRDH010	<10	435	2	3.20	70	19	22	66	5.76	<15	1.75	39	27	1.73	1148
FRDH011	<10	468	1	3.51	70	21	31	54	6.62	<15	1.40	35	18	1.96	1224
FRDH012	<10	532	1	3.44	83	18	28	41	6.08	29	1.64	39	17	1.50	995
FRDH013	<10	357	1	4.03	56	22	17	57	5.46	<15	1.30	23	16	2.14	975
FRDH014	<10	542	2	2.76	89	11	18	28	4.62	18	1.66	41	17	1.18	972
FRDH015	<10	596	2	3.69	95	21	29	53	6.01	<15	1.48	45	18	1.79	1067
FRDH016	<10	2035	2	3.26	75	13	18	33	4.84	<15	1.76	34	20	1.33	956
FRDH017	<10	667	1	3.19	80	13	35	46	4.94	<15	1.63	41	19	1.55	1164
FRDH018	<10	496	2	2.55	82	9	9	23	3.33	<15	1.75	45	21	0.98	319
FRDH019	<10	558	1	4.53	54	23	28	71	7.22	<15	0.99	25	14	2.21	1408
FRDH020	<10	623	2	3.53	59	19	41	74	5.36	<15	1.45	32	23	1.83	920
FRDH021	<10	436	2	2.51	69	13	34	52	3.98	28	1.95	35	42	1.36	905
FRDH022	<10	440	1	3.26	47	18	18	63	5.86	<15	1.33	25	18	1.63	989

Table 4, Continued

DATA LISTING FOR SEDIMENTS OF THE FRESNO QUADRANGLE

SAMPLE	MO	NA	NB	NI	P	PR	SC	SR	TH	TI	V	F	LN	ZH
FRDF028	<4	1.71	12	7	141	20	14	200	34	3071	84	24	74	73
FRDF029	<4	1.68	11	10	563	25	13	220	12	3620	117	15	85	21
FRDF030	<4	0.68	17	27	297	63	12	34	11	6442	93	61	142	106
FRDF031	<4	1.57	12	11	840	13	9	189	15	3120	80	15	91	51
FRDG001	<4	2.08	10	7	627	14	8	402	26	4634	94	19	96	21
FRDG002	<4	2.19	9	10	409	14	9	432	11	4713	93	10	94	18
FRDG003	<4	1.87	19	6	475	<10	9	346	9	5056	102	24	63	18
FRDG004	<4	2.24	26	5	1237	13	11	315	19	5971	91	35	79	31
FRDG005	<4	2.16	36	3	897	20	4	418	84	7438	205	24	69	56
FRDG006	<4	0.92	14	115	1871	<10	22	194	2	7874	203	24	128	141
FRDG007	<4	1.91	33	8	400	20	17	259	38	5688	113	49	65	88
FRDG009	<4	1.80	37	8	921	<10	23	365	<2	22391	377	37	118	46
FRDG010	<4	2.18	18	5	362	<10	11	175	4	4799	103	25	67	38
FRDG011	<4	2.00	27	65	1833	44	13	258	8	12525	210	24	175	13
FRDG012	<4	2.22	28	9	752	20	10	308	14	4623	102	30	89	47
FRDG013	<4	1.09	12	11	651	12	11	305	9	4033	133	14	100	17
FRDG014	<4	1.65	17	13	1014	10	13	373	8	4741	153	17	50	16
FRDG015	<4	2.28	12	9	1200	<10	10	590	8	3975	124	12	120	11
FRDG016	<4	1.24	10	25	1209	<10	17	315	3	5038	271	15	96	23
FRDG017	<4	2.00	13	14	1663	<10	14	359	10	5646	151	15	84	23
FRDG018	<4	1.85	16	20	1015	<10	15	334	18	6320	199	21	73	24
FRDG019	<4	1.78	19	26	423	<10	11	313	10	3671	103	14	75	20
FRDG020	<4	1.71	23	6	1375	14	12	383	7	5143	127	22	68	21
FRDG021	<4	0.40	7	38	490	<10	9	102	8	2758	185	14	137	22
FRDG022	<4	2.24	22	8	712	11	8	123	12	3756	69	24	102	34
FRDG023	<4	1.46	13	13	782	12	11	279	2	4486	157	12	92	18
FRDH001	<4	2.19	17	13	1617	18	14	358	7	6165	214	22	97	20
FRDH002	<4	2.47	17	8	581	18	11	288	11	4803	135	23	62	20
FRDH003	<4	1.96	16	17	1050	12	15	282	10	5257	169	22	65	21
FRDH004	<4	2.65	16	10	804	24	13	291	16	5620	142	29	96	15
FRDH005	<4	2.28	13	19	1230	12	17	439	11	4427	155	19	64	21
FRDH006	<4	1.79	14	26	1766	26	17	419	8	5929	192	19	128	23
FRDH007	<4	1.82	14	23	2417	<10	21	506	<2	7464	277	21	66	23
FRDH008	<4	1.65	13	34	1805	<10	20	492	2	6348	250	22	99	25
FRDH009	<4	1.73	16	21	1918	14	18	397	13	6038	186	30	103	22
FRDH010	<4	1.35	12	16	2096	<10	19	368	15	6347	202	25	120	16
FRDH011	<4	1.84	15	20	1889	<10	21	435	7	6146	241	25	94	25
FRDH012	<4	1.51	15	15	1427	<10	20	479	13	5864	229	29	85	16
FRDH013	<4	1.47	13	25	1393	11	18	437	9	5355	205	22	60	15
FRDH014	<4	2.68	20	10	1442	21	14	389	25	5564	151	30	90	22
FRDH015	<4	1.44	19	22	1936	14	21	443	10	8045	220	30	115	17
FRDH016	<4	1.76	26	12	1526	<10	18	367	23	6686	188	39	90	23
FRDH017	<4	1.50	23	14	864	40	16	318	12	6796	229	34	122	19
FRDH018	<4	2.46	15	9	1114	10	12	378	19	5029	111	25	84	21
FRDH019	<4	1.48	15	15	1837	17	25	414	4	6670	303	30	108	10
FRDH020	<4	1.49	17	25	1658	<10	16	449	13	5483	202	29	62	17
FRDH021	<4	1.87	22	21	967	11	12	389	24	4259	123	27	66	35
FRDH022	<4	1.62	12	16	962	15	17	422	12	5256	237	24	61	17

NOMENCLATURE

EXPLANATION OF CODES USED

SAMPLE = SRL SAMPLE LOCATION NUMBER: A unique six-place designator permanently assigned to every location sampled. The first two characters give the quadrangle abbreviations; the abbreviation for Fresno is FR. The third and fourth characters are the alpha coordinates based on a grid system where the quadrangle is divided into 32 sections and labeled alphabetically from left to right and top to bottom. Sites are numbered sequentially within each grid square. Numbers begin with 001 in each grid square and are generally consecutive.

LAT, LONG = LATITUDE AND LONGITUDE: Sample location, in degrees and decimal degrees to four places.

NTYP = SRL SAMPLE TYPE: A two-digit identifier which specifically designates the pertinent properties defining the sample type. All samples in this report are:

01 - Other sediment.

05 - Stream sediment and stream water collected at the same sample location. Stream sediment was dried at 110°C and sieved to collect the <100 mesh fraction.

06 - Stream sediment, dried at 110°C and sieved to <100 mesh.

07 - Talus.

08 - Volcanic necks.

DAY = The date the sample was taken in terms of the number of the month, the day, and the year.

WTEM = WATER TEMPERATURE: The temperature measured at the time of sampling, to the nearest degree Celsius (°C).

COND = CONDUCTIVITY: The conductivity in $\mu\text{mhos/cm}$, measured in the water at the sample location at the time of sampling.

ALK = ALKALINITY: A four-digit identifier, where the first 2 digits are drops H_2SO_4 and the last 2 digits are water volume, in millimeters.

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

1 = Boulders
2 = Cobbles
3 = Pebbles

4 = Sand
5 = Silt
6 = Clay

7 = Organic Muck
8 = Other

WIDE = WATER WIDTH: The single digit in this column provides an observed measurement of stream width at the sample location at the time of sampling as given below:

1 = less than 0.5 ft	4 = 2 - 4 ft	7 = 16 - 32 ft
2 = 0.5 - 1 ft	5 = 4 - 8 ft	8 = > 32 ft
3 = 1 - 2 ft	6 = 8 - 16 ft	9 = Dry

S-DP = WATER DEPTH: The single digit in this column provides an observed measurement of water depth at the sample location at the time of sampling, as given below:

1 = less than 0.5 ft	4 = 2 - 4 ft	7 = 16 - 32 ft
2 = 0.5 - 1 ft	5 = 4 - 8 ft	8 = > 32 ft
3 = 1 - 2 ft	6 = 8 - 16 ft	9 = Dry

ODOR = SAMPLE ODOR: The single digit in this column provides a subjective evaluation of the sample odor at the time of sampling, as given below:

1 = None	3 = Strong H ₂ S	4 = Other
2 = Weak H ₂ S		

CON 1, 2, 3 = CONTAMINANTS: The numbers in these columns indicate known or suspected local factors likely to influence analytical results, as given below:

1 = Chemical	5 = Dumps	9 = Other Industrial
2 = Smelting	6 = Farming	A = Recreational
3 = Mining	7 = Power Generation	B = Residential
4 = Sewage	8 = Urban	

FORM - GEOLOGIC FORMATION: A four place designator which represents the first four consonants of the geologic formation, or the first four consonants of the age of the formation, or UNKN for unknown. A list defining these groupings is unavailable.

TOT = Number of subsamples collected at the sampling location. For sediment samples the minimum is five.

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.

SCIN = SCINTILLOMETER: The equivalent uranium (eU) in counts per second.

RTYP = ROCK TYPE: The numbers in this column provide a subjective evaluation of the rock type at the sample location, as given below:

1 = Other	5 = Metamorphic	8 = Shale
2 = Volcanic - felsic	6 = Clastics - coarse	9 = Carbonate
3 = Volcanic - mafic	7 = Sandstone	10 = Unconsolidated
4 = Plutonic - felsic		Valley Fill

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	

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 (50-200 ft)	5 = High (>1,000 ft)
2 = Low (0-50 ft)	4 = Moderate (200-400 ft)	

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/Pasture	7 = Other
2 = Deciduous	5 = Marsh/Swamp	
3 = Brush	6 = Peat/Bog	

DVEG = VEGETATION DENSITY: The single digit in this column provides a subjective evaluation 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	

MAP = MAP CODE: A unique six-digit identifier assigned to each quadrangle.

VARIABLE NAMES AND DEFINATIONS

SAMPLE	=	SRL SAMPLE NUMBER
LAT	=	LATITUDE
LONG	=	LONGITUDE
NTYP	=	SRL SAMPLE TYPE
DAY	=	DATE SAMPLE WAS COLLECTED
WTEM	=	WATER TEMPERATURE
COND	=	CONDUCTIVITY
ALK	=	ALKALINITY
SIZE	=	SEDIMENT SIZE
WIDE	=	WATER WIDTH
S-DP	=	WATER DEPTH
ODOR	=	ODOR
CON 1	=	CONTAMINATION
CON 2	=	CONTAMINATION
CON 3	=	CONTAMINATION
FORM	=	GEOLOGIC FORMATION
TOT	=	NUMBER OF SUBSAMPLES
PH	=	PH
SCIN	=	SCINTILLOMETER
RTYP	=	ROCK TYPE
FLOW	=	WATER FLOW
SLVL	=	WATER LEVEL
RELF	=	RELIEF
TVEG	=	VEGETATION TYPE
DVEG	=	VEGETATION DENSITY
MAP	=	MAP CODE

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APPENDIX

MICROFICHE OF FIELD AND LABORATORY DATA

APPENDIX

MICROFICHE OF FIELD AND LABORATORY DATA

CONTENTS

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FRESNO QUADRANGLE
BASIC DATA

10/15/81

PAGE 1

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

DATA FOR UNLABELED SAMPLE POINTS

NUMBER	LONG.	LAT.	NUMBER	LONG.	LAT.	NUMBER	LONG.	LAT.
FRA001	118° 0' 0"	36° 0' 0"	FRA002	118° 0' 15"	36° 0' 15"	FRA003	118° 0' 30"	36° 0' 30"
FRA004	118° 0' 45"	36° 0' 45"	FRA005	118° 0' 0"	36° 1' 0"	FRA006	118° 0' 15"	36° 1' 15"
FRA007	118° 0' 30"	36° 1' 30"	FRA008	118° 0' 45"	36° 1' 45"	FRA009	118° 0' 0"	36° 2' 0"
FRA010	118° 0' 15"	36° 2' 15"	FRA011	118° 0' 30"	36° 2' 30"	FRA012	118° 0' 45"	36° 2' 45"
FRA013	118° 0' 0"	36° 3' 0"	FRA014	118° 0' 15"	36° 3' 15"	FRA015	118° 0' 30"	36° 3' 30"
FRA016	118° 0' 45"	36° 3' 45"	FRA017	118° 0' 0"	36° 4' 0"	FRA018	118° 0' 15"	36° 4' 15"
FRA019	118° 0' 30"	36° 4' 30"	FRA020	118° 0' 45"	36° 4' 45"	FRA021	118° 0' 0"	36° 5' 0"
FRA022	118° 0' 15"	36° 5' 15"	FRA023	118° 0' 30"	36° 5' 30"	FRA024	118° 0' 45"	36° 5' 45"
FRA025	118° 0' 0"	36° 6' 0"	FRA026	118° 0' 15"	36° 6' 15"	FRA027	118° 0' 30"	36° 6' 30"
FRA028	118° 0' 45"	36° 6' 45"	FRA029	118° 0' 0"	36° 7' 0"	FRA030	118° 0' 15"	36° 7' 15"
FRA031	118° 0' 30"	36° 7' 30"	FRA032	118° 0' 45"	36° 7' 45"	FRA033	118° 0' 0"	36° 8' 0"
FRA034	118° 0' 15"	36° 8' 15"	FRA035	118° 0' 30"	36° 8' 30"	FRA036	118° 0' 45"	36° 8' 45"
FRA037	118° 0' 0"	36° 9' 0"	FRA038	118° 0' 15"	36° 9' 15"	FRA039	118° 0' 30"	36° 9' 30"
FRA040	118° 0' 45"	36° 9' 45"	FRA041	118° 0' 0"	36° 10' 0"	FRA042	118° 0' 15"	36° 10' 15"
FRA043	118° 0' 30"	36° 10' 30"	FRA044	118° 0' 45"	36° 10' 45"	FRA045	118° 0' 0"	36° 11' 0"
FRA046	118° 0' 15"	36° 11' 15"	FRA047	118° 0' 30"	36° 11' 30"	FRA048	118° 0' 45"	36° 11' 45"
FRA049	118° 0' 0"	36° 12' 0"	FRA050	118° 0' 15"	36° 12' 15"	FRA051	118° 0' 30"	36° 12' 30"
FRA052	118° 0' 45"	36° 12' 45"	FRA053	118° 0' 0"	36° 13' 0"	FRA054	118° 0' 15"	36° 13' 15"
FRA055	118° 0' 30"	36° 13' 30"	FRA056	118° 0' 45"	36° 13' 45"	FRA057	118° 0' 0"	36° 14' 0"
FRA058	118° 0' 15"	36° 14' 15"	FRA059	118° 0' 30"	36° 14' 30"	FRA060	118° 0' 45"	36° 14' 45"
FRA061	118° 0' 0"	36° 15' 0"	FRA062	118° 0' 15"	36° 15' 15"	FRA063	118° 0' 30"	36° 15' 30"
FRA064	118° 0' 45"	36° 15' 45"	FRA065	118° 0' 0"	36° 16' 0"	FRA066	118° 0' 15"	36° 16' 15"
FRA067	118° 0' 30"	36° 16' 30"	FRA068	118° 0' 45"	36° 16' 45"	FRA069	118° 0' 0"	36° 17' 0"
FRA070	118° 0' 15"	36° 17' 15"	FRA071	118° 0' 30"	36° 17' 30"	FRA072	118° 0' 45"	36° 17' 45"
FRA073	118° 0' 0"	36° 18' 0"	FRA074	118° 0' 15"	36° 18' 15"	FRA075	118° 0' 30"	36° 18' 30"
FRA076	118° 0' 45"	36° 18' 45"	FRA077	118° 0' 0"	36° 19' 0"	FRA078	118° 0' 15"	36° 19' 15"
FRA079	118° 0' 30"	36° 19' 30"	FRA080	118° 0' 45"	36° 19' 45"	FRA081	118° 0' 0"	36° 20' 0"
FRA082	118° 0' 15"	36° 20' 15"	FRA083	118° 0' 30"	36° 20' 30"	FRA084	118° 0' 45"	36° 20' 45"
FRA085	118° 0' 0"	36° 21' 0"	FRA086	118° 0' 15"	36° 21' 15"	FRA087	118° 0' 30"	36° 21' 30"
FRA088	118° 0' 45"	36° 21' 45"	FRA089	118° 0' 0"	36° 22' 0"	FRA090	118° 0' 15"	36° 22' 15"
FRA091	118° 0' 30"	36° 22' 30"	FRA092	118° 0' 45"	36° 22' 45"	FRA093	118° 0' 0"	36° 23' 0"
FRA094	118° 0' 15"	36° 23' 15"	FRA095	118° 0' 30"	36° 23' 30"	FRA096	118° 0' 45"	36° 23' 45"
FRA097	118° 0' 0"	36° 24' 0"	FRA098	118° 0' 15"	36° 24' 15"	FRA099	118° 0' 30"	36° 24' 30"
FRA100	118° 0' 45"	36° 24' 45"	FRA101	118° 0' 0"	36° 25' 0"	FRA102	118° 0' 15"	36° 25' 15"
FRA103	118° 0' 30"	36° 25' 30"	FRA104	118° 0' 45"	36° 25' 45"	FRA105	118° 0' 0"	36° 26' 0"
FRA106	118° 0' 15"	36° 26' 15"	FRA107	118° 0' 30"	36° 26' 30"	FRA108	118° 0' 45"	36° 26' 45"
FRA109	118° 0' 0"	36° 27' 0"	FRA110	118° 0' 15"	36° 27' 15"	FRA111	118° 0' 30"	36° 27' 30"
FRA112	118° 0' 45"	36° 27' 45"	FRA113	118° 0' 0"	36° 28' 0"	FRA114	118° 0' 15"	36° 28' 15"
FRA115	118° 0' 30"	36° 28' 30"	FRA116	118° 0' 45"	36° 28' 45"	FRA117	118° 0' 0"	36° 29' 0"
FRA118	118° 0' 15"	36° 29' 15"	FRA119	118° 0' 30"	36° 29' 30"	FRA120	118° 0' 45"	36° 29' 45"
FRA121	118° 0' 0"	36° 30' 0"	FRA122	118° 0' 15"	36° 30' 15"	FRA123	118° 0' 30"	36° 30' 30"
FRA124	118° 0' 45"	36° 30' 45"	FRA125	118° 0' 0"	36° 31' 0"	FRA126	118° 0' 15"	36° 31' 15"
FRA127	118° 0' 30"	36° 31' 30"	FRA128	118° 0' 45"	36° 31' 45"	FRA129	118° 0' 0"	36° 32' 0"
FRA130	118° 0' 15"	36° 32' 15"	FRA131	118° 0' 30"	36° 32' 30"	FRA132	118° 0' 45"	36° 32' 45"
FRA133	118° 0' 0"	36° 33' 0"	FRA134	118° 0' 15"	36° 33' 15"	FRA135	118° 0' 30"	36° 33' 30"
FRA136	118° 0' 45"	36° 33' 45"	FRA137	118° 0' 0"	36° 34' 0"	FRA138	118° 0' 15"	36° 34' 15"
FRA139	118° 0' 30"	36° 34' 30"	FRA140	118° 0' 45"	36° 34' 45"	FRA141	118° 0' 0"	36° 35' 0"
FRA142	118° 0' 15"	36° 35' 15"	FRA143	118° 0' 30"	36° 35' 30"	FRA144	118° 0' 45"	36° 35' 45"
FRA145	118° 0' 0"	36° 36' 0"	FRA146	118° 0' 15"	36° 36' 15"	FRA147	118° 0' 30"	36° 36' 30"
FRA148	118° 0' 45"	36° 36' 45"	FRA149	118° 0' 0"	36° 37' 0"	FRA150	118° 0' 15"	36° 37' 15"
FRA151	118° 0' 30"	36° 37' 30"	FRA152	118° 0' 45"	36° 37' 45"	FRA153	118° 0' 0"	36° 38' 0"
FRA154	118° 0' 15"	36° 38' 15"	FRA155	118° 0' 30"	36° 38' 30"	FRA156	118° 0' 45"	36° 38' 45"
FRA157	118° 0' 0"	36° 39' 0"	FRA158	118° 0' 15"	36° 39' 15"	FRA159	118° 0' 30"	36° 39' 30"
FRA160	118° 0' 45"	36° 39' 45"	FRA161	118° 0' 0"	36° 40' 0"	FRA162	118° 0' 15"	36° 40' 15"
FRA163	118° 0' 30"	36° 40' 30"	FRA164	118° 0' 45"	36° 40' 45"	FRA165	118° 0' 0"	36° 41' 0"
FRA166	118° 0' 15"	36° 41' 15"	FRA167	118° 0' 30"	36° 41' 30"	FRA168	118° 0' 45"	36° 41' 45"
FRA169	118° 0' 0"	36° 42' 0"	FRA170	118° 0' 15"	36° 42' 15"	FRA171	118° 0' 30"	36° 42' 30"
FRA172	118° 0' 45"	36° 42' 45"	FRA173	118° 0' 0"	36° 43' 0"	FRA174	118° 0' 15"	36° 43' 15"
FRA175	118° 0' 30"	36° 43' 30"	FRA176	118° 0' 45"	36° 43' 45"	FRA177	118° 0' 0"	36° 44' 0"
FRA178	118° 0' 15"	36° 44' 15"	FRA179	118° 0' 30"	36° 44' 30"	FRA180	118° 0' 45"	36° 44' 45"
FRA181	118° 0' 0"	36° 45' 0"	FRA182	118° 0' 15"	36° 45' 15"	FRA183	118° 0' 30"	36° 45' 30"
FRA184	118° 0' 45"	36° 45' 45"	FRA185	118° 0' 0"	36° 46' 0"	FRA186	118° 0' 15"	36° 46' 15"
FRA187	118° 0' 30"	36° 46' 30"	FRA188	118° 0' 45"	36° 46' 45"	FRA189	118° 0' 0"	36° 47' 0"
FRA190	118° 0' 15"	36° 47' 15"	FRA191	118° 0' 30"	36° 47' 30"	FRA192	118° 0' 45"	36° 47' 45"
FRA193	118° 0' 0"	36° 48' 0"	FRA194	118° 0' 15"	36° 48' 15"	FRA195	118° 0' 30"	36° 48' 30"
FRA196	118° 0' 45"	36° 48' 45"	FRA197	118° 0' 0"	36° 49' 0"	FRA198	118° 0' 15"	36° 49' 15"
FRA199	118° 0' 30"	36° 49' 30"	FRA200	118° 0' 45"	36° 49' 45"	FRA201	118° 0' 0"	36° 50' 0"
FRA202	118° 0' 15"	36° 50' 15"	FRA203	118° 0' 30"	36° 50' 30"	FRA204	118° 0' 45"	36° 50' 45"
FRA205	118° 0' 0"	36° 51' 0"	FRA206	118° 0' 15"	36° 51' 15"	FRA207	118° 0' 30"	36° 51' 30"
FRA208	118° 0' 45"	36° 51' 45"	FRA209	118° 0' 0"	36° 52' 0"	FRA210	118° 0' 15"	36° 52' 15"
FRA211	118° 0' 30"	36° 52' 30"	FRA212	118° 0' 45"	36° 52' 45"	FRA213	118° 0' 0"	36° 53' 0"
FRA214	118° 0' 15"	36° 53' 15"	FRA215	118° 0' 30"	36° 53' 30"	FRA216	118° 0' 45"	36° 53' 45"
FRA217	118° 0' 0"	36° 54' 0"	FRA218	118° 0' 15"	36° 54' 15"	FRA219	118° 0' 30"	36° 54' 30"
FRA220	118° 0' 45"	36° 54' 45"	FRA221	118° 0' 0"	36° 55' 0"	FRA222	118° 0' 15"	36° 55' 15"
FRA223	118° 0' 30"	36° 55' 30"	FRA224	118° 0' 45"	36° 55' 45"	FRA225	118° 0' 0"	36° 56' 0"
FRA226	118° 0' 15"	36° 56' 15"	FRA227	118° 0' 30"	36° 56' 30"	FRA228	118° 0' 45"	36° 56' 45"
FRA229	118° 0' 0"	36° 57' 0"	FRA230	118° 0' 15"	36° 57' 15"	FRA231	118° 0' 30"	36° 57' 30"
FRA232	118° 0' 45"	36° 57' 45"	FRA233	118° 0' 0"	36° 58' 0"	FRA234	118° 0' 15"	36° 58' 15"
FRA235	118° 0' 30"	36° 58' 30"	FRA236	118° 0' 45"	36° 58' 45"	FRA237	118° 0' 0"	36° 59' 0"
FRA238	118° 0' 15"	36° 59' 15"	FRA239	118° 0' 30"	36° 59' 30"	FRA240	118° 0' 45"	36° 59' 45"
FRA241	118° 0' 0"	37° 0' 0"	FRA242	118° 0' 15"	37° 0' 15"	FRA243	118° 0' 30"	37° 0' 30"
FRA244	118° 0' 45"	37° 0' 45"	FRA245	118° 0' 0"	37° 1' 0"	FRA246	118° 0' 15"	37° 1' 15"
FRA247	118° 0' 30"	37° 1' 30"	FRA248	118° 0' 45"	37° 1' 45"	FRA249	118° 0' 0"	37° 2' 0"
FRA250	118° 0' 15"	37° 2' 15"	FRA251	118° 0' 30"	37° 2' 30"	FRA252	118° 0' 45"	37° 2' 45"
FRA253	118° 0' 0"	37° 3' 0"	FRA254	118° 0' 15"	37° 3' 15"	FRA255	118° 0' 30"	37° 3' 30"
FRA256	118° 0' 45"	37° 3' 45"	FRA257	118° 0' 0"	37° 4' 0"	FRA258	118° 0' 15"	37° 4' 15"
FRA259	118° 0' 30"	37° 4' 30"	FRA260	118° 0' 45"	37° 4' 45"	FRA261	118° 0' 0"	37° 5' 0"
FRA262	118° 0' 15"	37° 5' 15"	FRA263	118° 0' 30"	37° 5' 30"	FRA264	118° 0' 45"	37° 5' 45"
FRA265	118° 0' 0"	37° 6' 0"	FRA266	118° 0' 15"	37° 6' 15"	FRA267	118° 0' 30"	37° 6' 30"
FRA268	118° 0' 45"	37° 6' 45"	FRA269	118° 0' 0"	37° 7' 0"	FRA270	118° 0' 15"	37° 7' 15"
FRA271	118° 0' 30"	37° 7' 30"	FRA272	118° 0' 45"	37° 7' 45"	FRA273	118° 0' 0"	37° 8' 0"
FRA274	118° 0' 15"	37° 8' 15"	FRA275	118° 0' 30"	37° 8' 30"	FRA276	118° 0' 45"	37° 8' 45"
FRA277	118° 0' 0"	37° 9' 0"	FRA278	118° 0' 15"	37° 9' 15"	FRA279	118° 0' 30"	37° 9' 30"
FRA280	118° 0' 45"	37° 9' 45"	FRA281	118° 0' 0"	37° 10' 0"	FRA282	118° 0' 15"	37° 10' 15"
FRA283	118° 0' 30"	37° 10' 30"	FRA284	118° 0' 45"	37° 10' 45"	FRA285	118° 0' 0"	37° 11' 0"
FRA286	118° 0' 15"	37° 11' 15"	FRA287	118° 0' 30"	37° 11' 30"	FRA288	118° 0' 45"	37° 11' 45"
FRA289	118° 0' 0"	37° 12' 0"	FRA290	118° 0' 15"	37° 12' 15"	FRA291	118° 0' 30"	37° 12' 30"
FRA292	118° 0' 45"	37° 12' 45"	FRA293	118° 0' 0"	37° 13' 0"	FRA294	118° 0' 15"	37° 13' 15"
FRA295	118° 0' 30"	37° 13' 30"	FRA296	118° 0' 45"	37° 13' 45"	FRA297	118° 0' 0"	37° 14' 0"
FRA298	118° 0' 15"	37° 14' 15"	FRA299	118° 0' 30"	37° 14' 30"	FRA300	118° 0' 45"	37° 14' 45"
FRA301	118° 0' 0"	37° 15' 0"	FRA302	118° 0' 15"	37° 15' 15"	FRA303	118° 0' 30"	37° 15' 30"
FRA304	118° 0' 45"	37° 15' 45"	FRA305					