

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

ANALYSES OF ROCK AND STREAM-SEDIMENT SAMPLES FROM SOUTHERN
BRADFIELD CANAL QUADRANGLE, SOUTHEASTERN ALASKA

By

R. D. Koch, R. L. Elliott, H. C. Berg, and J. G. Smith

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This report is preliminary
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Geological Survey standards

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INTRODUCTION

This report contains the analytical data and a statistical summary for 328 rock and 150 stream-sediment samples from the southern portion of the Bradfield Canal 1:250,000-scale quadrangle, southeastern Alaska. A companion report (Koch and others, 1976) contains all analytical data for geochemical sampling within the Ketchikan 1:250,000 quadrangle. The data reported here are from samples collected by U.S. Geological Survey geologists and field assistants working on two different USGS projects between 1968 and 1973. They comprise all of the normal rock and stream-sediment geochemical samples collected during USGS geological mapping investigations within the Bradfield Canal quadrangle through 1975. In addition, data for 241 samples collected by U.S. Bureau of Mines engineers Tom L. Pittman and Arthur L. Kimball during the Granite Fiords Wilderness Study have been included.

Studies in the Ketchikan area

The only comprehensive discussion of the geology of the entire Ketchikan area is contained in a report by A. F. Buddington and Theodore Chapin (1929). Buddington (1929) also described the Hyder mining district, located near the Canadian border 120 km northeast of Ketchikan.

Recent geologic investigations in the Bradfield Canal quadrangle began with the Hyder project, which involved reconnaissance mapping in the Hyder

area in 1968 (Smith, in press). Systematic geochemical sampling of parts of Bradfield Canal 1:63,360 quadrangles A1, A2, A3 and A4 was conducted in conjunction with reconnaissance geologic mapping of the Granite Fiords wilderness study area in 1972 and 1973 (Berg and others, in press). Most of the data contained herein was obtained during this study. The USGS geochemical data from this study were released in the form of a computer tape (NTIS catalogue no. USGS-GD74-009; publication no. PB-232-049) which can be obtained from the National Technical Information Service, Department of Commerce, Springfield, Va. 22161.

Sampling

The analytical data for the USGS stream-sediment and rock samples are given in tables 5 and 6 respectively. The data for the U.S. Bureau of Mines samples is given in table 7. Locations of stream-sediment samples and locations of rock samples (including U.S. Bureau of Mines sample localities) are shown on plate 1. USGS sample locations on plate 1 are designated by station numbers. Samples reported in data tables 5, 6 and 7 are identified by station number, with letters appended to the station numbers to distinguish different samples from the same station.

U.S. Geological Survey samples

Standard procedures were followed in collecting and preparing samples. Stream-sediment samples were generally collected from the active stream channel above the highest high tide level. Where this was not possible, samples were collected from bank or terrace deposits adjacent to the channel.

The rock samples are primarily grab samples chosen to provide data on background values for a lithologic unit or to investigate a mineralized occurrence or an outcrop that was conspicuously iron-stained or contained visible metallic minerals. In and around the Granite Fiords wilderness study area most rock samples were taken at or as close as possible to pre-planned helicopter landing sites spaced approximately 1.5 to 3 km apart. The majority of samples within this group can be considered to be randomly chosen representatives of the dominant lithologies near the sample site. Outside Granite Fiords, less systematic geochemical sampling was carried out in conjunction with reconnaissance geologic mapping. For this reason, the sample population is somewhat biased in favor of samples that were somehow abnormal (e.g., iron-stained or sulfide-bearing). No attempt is made here to distinguish vein, iron-stained, sulfide-bearing or other atypical samples from the majority which were chosen to represent background values.

U.S. Bureau of Mines samples

The samples collected by the U.S. Bureau of Mines come from known prospects, from mineralized areas identified during the Granite Fiords study, and from sites where USGS geochemical samples yielded anomalous analytical values. The USBM samples were generally different in purpose, material sampled and manner of collection from the USGS rock samples. Samples from veins and mineralized zones were obtained either by cutting channels with a moil or by continuous chip cuts. Broad mineralized zones were sampled by combining uniform chips taken by moil or sample pick at regular intervals, usually 0.3 or 0.6 m (1 to 3 ft), across a representative section.

The sites sampled by the U.S. Bureau of Mines are shown on plate 1 by site-numbers such as BM30, BM31, etc. This numbering sequence starts with BM28 and is a continuation of the numbering used for USBM sample localities in Open File Report 76-427 (Koch and others, 1976). Table 1 lists the sample numbers for each sampled area along with the site designation assigned in the Granite Fiords report. Detailed maps and descriptions of the U.S. Bureau of Mines sample sites are given in the Granite Fiords report (Berg and others, in press). Because of the differences in method and objective of sampling, the samples collected by the Bureau of Mines are listed separately (table 7) and are not considered to be directly comparable to the rock samples collected by the USGS.

Analytical procedures

Stream-sediment samples were dried, sieved, and a split of the -80 mesh fraction was analyzed. Rock samples were pulverized and a split was analyzed. Samples were analyzed for up to 30 elements by the six-step semi-quantitative spectrographic method, and for gold, copper, lead and zinc by atomic absorption spectrophotometry. The analyses for mercury were done by a flameless atomic absorption technique where mercury vapor is thermally released from a crushed sample (Vaughn and McCarthy, 1964). The elements for which analyses were conducted were different for the Hyder project and the Granite Fiords study. The semi-quantitative spectrographic analyses were performed by J. E. Abrams, K. J. Curry, J. M. Mootooka, J. Reynolds, and D. Siems. The atomic absorption analyses were done by R. B. Carten, J. G. Frisken, R. W. Leinz, A. L. Meier, R. L. Miller, D. G. Murrey, M. S. Rickard, A. J. Toevs, R. Vaughn, and W. W. Vaughn.

Geochemical data

The analytical results listed in tables 5, 6 and 7 are reported as values such as 7.0 ppm, 10.00 percent, etc., or as qualified values expressed

USBM locality no.	Granite Fiords site designation	Prospect name	USBM sample numbers
BM28	P-8	Cathedral	72K033-72K035 72P124-72P126
BM29	P-4	Chickamin	72K065
BM30	P-1	Marietta	73K108-73K109
BM31	P-2	Stampede	72K050-72K054
BM32	P-3	Double Anchor	72K036-72K049 72K055-72K063 72P127-72P128
BM33	P-5	Lake	72P121
BM34	P-7	Blasher	72P091-72P116
BM35	P-6	Lakeside	72P119-72P120
BM36	P-9	Hummel Canyon	73P080-72P081
BM37	P-10	Swenning's Greenpoint	73K112-73K115
BM38	P-16	Galena	73P084-73P085
BM39	P-11	Greenpoint Group	72P160-72P167
BM40	P-12	Heckla	72P122-72P123 72P129-72P159
BM41	G-56		73P079
BM42	P-15	Edelweiss	72K102-72K103
BM43	P-14	Marmot Group, upper basin	72K126-72K140
BM44	P-13	Marmot Group, lower basin	72K066-72K101 72K104-72K125 72P045-72P046 72P168-72P173 72P179-72P189
BM45	M-9		73K106-73K107
BM46	P-17	Glacier	73P082-73P083
BM47	M-8		72P175-72P178
BM48	P-17	Goat Group	73K098-73K105
BM49	G-54		73P076-73P078
BM50	G-50		73P054-73P055
BM51	G-47		73P056
BM52	G-46		73K078-73K079
BM53	G-14		73K080 73K085-73K087

Table 1.--U.S. Bureau of Mines sample localities in the Bradfield Canal quadrangle.

as a letter. These letter codes are N = not detected, L = less than specified limit of determinability, G = greater than value shown, B = no data, H = interference. The qualification codes N and L are preceded by the value of the lower determination limit applicable to that analysis and G is preceded by the upper limit. The term T is equal to trace but does not occur in these data. Note that when the right-most digit(s) of an analytical value is zero it is generally not significant. Because the original computer printout is used in these tables, element symbols are in capital letters; for example, the symbol for iron, Fe, becomes FE, magnesium, Mg, becomes MG, and so on. The prefix S stands for spectrographic analysis, AA for atomic absorption, and INST for instrumental (flameless AA) analysis.

The semi-quantitative spectrographic analyses (also referred to as six-step spectrographic analyses) are reported in percentage (%) or parts per million (PPM) as the midpoints of geometric class intervals. The class interval centers and the associated class interval boundaries are those listed below or some power of 10 times these.

<u>Reported value</u>	<u>Class interval limits</u>	
1.0	0.83	1.2
1.5	1.2	1.8
2.0	1.8	2.6
3.0	2.6	3.8
5.0	3.8	5.6
7.0	5.6	8.3
10.0	8.3	12.0

Tests have been performed to determine USGS spectrographic analytical precision (Motooka and Grimes, unpublished data). These tests indicate that the frequency with which values from repeated analyses of the same sample will fall within the class interval containing the "true" value (as measured by the mean of a series of analytical runs) plus or minus one and two adjoining intervals is approximately 83 percent and 96 percent respec-

tively. For example, if a value is reported as 3.0 the probability is .83 that a repeated analysis would be reported as 2.0, 3.0, or 5.0. These values are consistent for a variety of geologic materials and show no appreciable difference between elements or concentration ranges (if not near the lower limit of determinability where precision tends to be less). Analyses by the atomic absorption method are not reported on the six-step scale; they are more sensitive and more precise than spectrographic analyses. Minimum limits of determination for each element by spectrographic and atomic absorption analysis are given in table 2.

Statistical summary

The analytical results from the USGS stream-sediment and rock samples were processed by a computer program known as GEOSUM and are presented in tables 3 and 4 respectively. The GEOSUM program is designed to summarize and tabulate geochemical data--primarily data from semi-quantitative spectrographic analyses. All distributions are treated in terms of the six-step class intervals described above and thus the atomic absorption data is regrouped to fit into these intervals. The program output consists of:

- (a) a histogram and frequency distribution table for each element, and
- (b) a statistical summary for all elements, which includes geometric means and geometric deviations.

The histograms are on a logarithmic scale and are computed using the same class intervals as those used in the six-step semi-quantitative scale. The histogram bars are composed of X's; each X represents approximately 1 percent of the total number of samples. Decimal numbers are printed by the computer as powers of 10, for example:

S-Fe	.05%	S-Cd	20 ppm	S-Sr	100 ppm
S-Mg	.02%	S-Co	5 ppm	S-V	10 ppm
S-Ca	.05%	S-Cr ^{3/}	10 ppm	S-W	50 ppm
S-Ti ^{1/}	.002%	S-Cu	5 ppm	S-Y	10 ppm
S-Mn	10 ppm	S-La	20 ppm	S-Zn	200 ppm
S-Ag	.5 ppm	S-Mo	5 ppm	S-Zr	10 ppm
S-As	200 ppm	S-Nb	20 ppm	AA-Au ^{4/}	.05 ppm
S-Au	10 ppm	S-Ni	5 ppm	AA-Cu	5 ppm
S-B	10 ppm	S-Pb	10 ppm	AA-Pb	5 ppm
S-Ba ^{2/}	20 ppm	S-Sb	100 ppm	AA-Zn	5 ppm
S-Be	1 ppm	S-Sc	5 ppm	Inst-Hg ^{5/}	.02 ppm
S-Bi	10 ppm	S-Sn	10 ppm		

Table 2.--Lower determination limits for analyses for 1968 through 1973.

S - indicates spectrographic analysis, AA - indicates atomic absorption analysis and Inst - indicates flameless AA analysis.

^{1/} .001% prior to 1969.

^{2/} 5 ppm prior to 1969.

^{3/} 5 ppm prior to 1970.

^{4/} .02 ppm prior to 1972.

^{5/} .01 ppm prior to 1972.

7.0E-01 means 7.0×10^{-1} or 0.7

7.0E 00 means 7.0×10^0 or 7.0

7.0E 01 means 7.0×10^1 or 70.0

7.0E 02 means 7.0×10^2 or 700.0

The frequency distribution tables, histograms, and statistics for each element were derived using only data values within the range of analytical determination which was valid in 1973. Between 1968 and 1973, the lower limits of determinability for Au and Hg analyzed by atomic absorption techniques and for spectrographically analyzed Ti, Ba, and Cr were raised. Unqualified values which fell below current determinability limits and values qualified with N, L, G, T, or H were ignored in these computations. The resulting frequency tables and statistics are biased and the histograms incomplete.

The statistical summaries at the ends of tables 3 and 4 show which elements have qualified values, as well as the number and type of qualification. The summary also recomputes the geometric mean and standard deviation using a method devised by A. J. Cohen for treating censored distributions. If an element has no qualified data values, the mean and standard deviation will be the same in both this statistical summary and on the page within the table for the particular element. For elements with qualified data, the estimates of mean and standard deviation are unbiased in a strict sense only where the data are derived from a log-normal parent population, but experiments have shown that large departures from this requirement do not usually invalidate the results. Acceptance and use of the estimates, however, is the responsibility of the user.

The geometric mean is the antilogarithm of the arithmetic mean of the logarithms of the analyses. It is not an estimate of geochemical abundance.

It is an estimate of "central tendency" (or characteristic value) for a frequency distribution that is approximately symmetrical on a logarithmic scale and is useful for characterizing many geochemical distributions. The geometric deviation is the antilogarithm of the standard deviation of the logarithms of the analyses.

For further discussion of geometric mean and standard deviation and of Cohen's method for censored distributions, see Miesch (1963, 1967).

Sampling bias

In reviewing the summary results in tables 3 and 4, several sources of sampling bias in the data set must be considered. Several factors, including time, weather, snow cover and outcrop exposure prevented uniform sampling in all areas. Some sites were re-sampled, usually to confirm suspected anomalies or because of other indications of potential geochemical peculiarity. Sampling density tends to be greater near previously reported prospects or in areas having other indications of mineral enrichment. The uneven coverage and tendency to concentrate sampling in more "interesting" areas have introduced a slight bias into these summary values. Stream-sediment sample density shows less tendency to concentrate near "interesting" areas but locations of all inland samples are controlled by availability of helicopter landing sites. In addition, it should be kept in mind that the rock samples have been collected from lithologic units widely separated in location, origin and type. The summary of their values thus provides only a general indication of the trends that may be present.

Acknowledgements

We wish to thank several USGS colleagues for their considerable cooperation and assistance. George Van Trump, Jr., provided invaluable aid

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TABLE 3. GEOCHEMICAL SUMMARY - USGS STREAM SEDIMENT SAMPLE DATA.

TITLE
BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

THE COMPUTATIONS TO FOLLOW ARE INTENDED TO SUMMARIZE GEOCHEMICAL DATA ENTERED ON USGS STANDARD 10 VARIABLE (G FORMAT) DATA CARDS OR ON A USGS STATPAC TAPE. THE FOLLOWING ALPHA CODES ARE USED WITH THE DATA AS DESCRIBED IN USGS PROGRAM DOCUMENTATION D0092- N = NOT DETECTED, L = LESS THAN, G = GREATER THAN, T = TRACE, H = INTERFERENCE, AND B = BLANK OR NO DATA. THE HISTOGRAMS AND STATISTICS ARE DERIVED ON THE ASSUMPTION THAT THE DATA ARE MORE PROPERLY TREATED ON A LOGARITHMIC, RATHER THAN AN ARITHMETIC BASIS.

SPEC. ARSENIC	CONTAINS NO VALID DATA POINTS.	THEREFORE THIS VARIABLE WILL BE SKIPPED.
SPEC. GOLD	CONTAINS NO VALID DATA POINTS.	THEREFORE THIS VARIABLE WILL BE SKIPPED.
SPEC. BISMUTH	CONTAINS NO VALID DATA POINTS.	THEREFORE THIS VARIABLE WILL BE SKIPPED.
SPEC. CADMIUM	CONTAINS NO VALID DATA POINTS.	THEREFORE THIS VARIABLE WILL BE SKIPPED.
SPEC. ANTIMONY	CONTAINS NO VALID DATA POINTS.	THEREFORE THIS VARIABLE WILL BE SKIPPED.
THE MAX AND MIN	0.10000E+02 FOR SPEC. TIN	ARE THE SAME. THEREFORE THIS VARIABLE WILL BE SKIPPED.
THE MAX AND MIN	0.50001E+02 FOR SPEC. TUNGSTEN	ARE THE SAME. THEREFORE THIS VARIABLE WILL BE SKIPPED.

THE FREQUENCY DISTRIBUTIONS AND HISTOGRAMS ON THE FOLLOWING PAGES ARE ON LOGARITHMIC SCALES, AND EMPLOY THE SAME CLASS INTERVALS AS USED IN REPORTING 6-STEP SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES. IMPORTANT NOTE- THE STATISTICS GIVEN BELOW THE HISTOGRAMS ARE DERIVED ONLY FROM DATA VALUES WITHIN THE RANGES OF ANALYTICAL DETERMINATION, AND ARE, THEREFORE, BIASED IF DATA VALUES QUALIFIED WITH N, L, G, T, OR H CODES ARE PRESENT. SEE LATER SECTION OF OUTPUT FOR STATISTICAL ESTIMATES THAT ARE UNBIASED IN THIS REGARD. THE GEOMETRIC MEAN IS AN ESTIMATE OF 'CENTRAL TENDENCY,' OR OF A CHARACTERISTIC VALUE, OF A FREQUENCY DISTRIBUTION THAT IS APPROXIMATELY SYMMETRICAL ON A LOG SCALE, AND IS THEREFORE USEFUL FOR CHARACTERIZING MANY GEOCHEMICAL DISTRIBUTIONS. THE GEOMETRIC MEAN IS NOT AN ESTIMATE OF GEOCHEMICAL ABUNDANCE AND IS OF NO VALUE IN ESTIMATING RESERVES OR TOTAL AMOUNTS OF ELEMENTS PRESENT. SEE USGS PROFESSIONAL PAPER 574-B FOR FURTHER DISCUSSION. SEE USGS BULLETIN 1147E, PAGE 23, FOR EXPLANATION OF GEOMETRIC DEVIATION.

THE CUMULATIVE FREQUENCY PERCENTS GIVEN BELOW SHOULD BE PLOTTED AGAINST THE 'LOWER' LIMITS TO GIVE THE LEFELTIER-TYPE CUMULATIVE CURVE.

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 1 (S=FEA)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E-02	5.6E-02	0	0	0.00	100.00
5.6E-02	8.3E-02	0	0	0.00	100.00
8.3E-02	1.2E-01	0	0	0.00	100.00
1.2E-01	1.8E-01	0	0	0.00	100.00
1.8E-01	2.6E-01	0	0	0.00	100.00
2.6E-01	3.8E-01	0	0	0.00	100.00
3.8E-01	5.6E-01	0	0	0.00	100.00
5.6E-01	8.3E-01	0	0	0.00	100.00
8.3E-01	1.2E+00	0	0	0.00	100.00
1.2E+00	1.8E+00	2	2	1.33	100.00
1.8E+00	2.6E+00	2	4	1.33	98.67
2.6E+00	3.8E+00	44	48	29.33	97.33
3.8E+00	5.6E+00	46	94	30.67	68.00
5.6E+00	8.3E+00	27	121	18.00	37.33
8.3E+00	1.2E+01	18	139	12.00	19.33
1.2E+01	1.8E+01	10	149	6.67	7.33
1.8E+01	2.6E+01	1	150	0.67	0.67

HISTOGRAM FOR COLUMN 1 (S=FEA)

```

1.5E+00 X
2.0E+00 X
3.0E+00 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E+00 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
7.0E+00 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E+01 XXXXXXXXXXXXXXXX
1.5E+01 XXXXXXXX
2.0E+01 X

```

ANALYTICAL		VALUES	
N	I ₀	B	T
0	0	0	0
0.00	0.00	0	0.00

MAXIMUM = 2.00010E+01
 MINIMUM = 1.50000E+00
 GEOMETRIC MEAN = 3.24647E+00
 GEOMETRIC DEVIATION = 1.69415E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 2 (S-MG%)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
1.8E-02	2.6E-02	0	0	0.00	0.00	100.00	
2.6E-02	3.8E-02	0	0	0.00	0.00	100.00	
3.8E-02	5.6E-02	0	0	0.00	0.00	100.00	
5.6E-02	8.3E-02	0	0	0.00	0.00	100.00	
8.3E-02	1.2E-01	0	0	0.00	0.00	100.00	
1.2E-01	1.8E-01	2	2	1.33	1.33	100.00	
1.8E-01	2.6E-01	1	3	0.67	0.67	98.67	
2.6E-01	3.8E-01	0	3	0.00	0.00	98.00	
3.8E-01	5.6E-01	0	3	0.00	0.00	98.00	
5.6E-01	8.3E-01	8	11	5.33	5.33	98.00	
8.3E-01	1.2E+00	31	42	20.67	20.67	92.67	
1.2E+00	1.8E+00	48	90	32.00	32.00	72.00	
1.8E+00	2.6E+00	25	115	16.67	16.67	40.00	
2.6E+00	3.8E+00	23	138	15.33	15.33	23.33	
3.8E+00	5.6E+00	10	148	6.67	6.67	8.00	
5.6E+00	8.3E+00	2	150	1.33	1.33	1.33	

HISTOGRAM FOR COLUMN 2 (S-MG%)

1.5E-01 X									
2.0E-01 X									
3.0E-01									
5.0E-01									
7.0E-01 XXXX									
1.0E+00 XXXXXXXXXXXXXXXX									
1.5E+00 XXXXXXXXXXXXXXXX									
2.0E+00 XXXXXXXXXXXXXXXX									
3.0E+00 XXXXXXXXXXXXXXXX									
5.0E+00 XXXXXXXX									
7.0E+00 X									

ANALYTICAL		VALUES	
N		G	
0	L	T	150
0.00	-0	0.00	0
	0.00		0.00

MAXIMUM = 7.00000E+00
MINIMUM = 1.50000E-01
GEOMETRIC MEAN = 1.63546E+00
GEOMETRIC DEVIATION = 1.84249E+00

TITLE

BRADFIELD CANAL URGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 3 (S-CA%)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.0E-02	5.0E-02	0	0	0.00	100.00
5.0E-02	8.0E-02	0	0	0.00	100.00
8.0E-02	1.2E-01	0	0	0.00	100.00
1.2E-01	1.8E-01	0	0	0.00	100.00
1.8E-01	2.6E-01	0	0	0.00	100.00
2.6E-01	3.8E-01	1	1	0.67	100.00
3.8E-01	5.0E-01	1	2	0.57	99.33
5.0E-01	8.0E-01	1	3	0.67	98.67
8.0E-01	1.2E+00	3	6	2.00	96.00
1.2E+00	1.8E+00	28	34	18.67	77.33
1.8E+00	2.6E+00	43	77	26.67	48.67
2.6E+00	3.8E+00	42	119	17.33	20.67
3.8E+00	5.0E+00	26	145	3.33	3.33
5.0E+00	8.0E+00	5	150		

HISTOGRAM FOR COLUMN 3 (S-CA%)

3.0E-01 X
5.0E-01 X
7.0E-01 X
1.0E+00 XX
1.5E+00 XXXXXXXXXXXXXXXXXXXX
2.0E+00 XXXXXXXXXXXXXXXXXXXX
3.0E+00 XXXXXXXXXXXXXXXXXXXX
5.0E+00 XXXXXXXXXXXXXXXXXXXX
7.0E+00 XXX

N	L	H	B	T	ANALYTICAL VALUES
0	0	0	0	0	150
0.00	-0.00	0.00	0.00	0.00	0.00

MAXIMUM = 7.00000E+00
MINIMUM = 3.00000E-01
GEOMETRIC MEAN = 2.48633E+00
GEOMETRIC DEVIATION = 1.67732E+00

TITLE
BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 4 (S-T18)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER - UPPER					
1.8E-03 -	2.6E-03	0	0	0.00	100.00
2.6E-03 -	3.8E-03	0	0	0.00	100.00
3.8E-03 -	5.6E-03	0	0	0.00	100.00
5.6E-03 -	8.3E-03	0	0	0.00	100.00
8.3E-03 -	1.2E-02	0	0	0.00	100.00
1.2E-02 -	1.8E-02	0	0	0.00	100.00
1.8E-02 -	2.6E-02	0	0	0.00	100.00
2.6E-02 -	3.8E-02	0	0	0.00	100.00
3.8E-02 -	5.6E-02	0	0	0.00	100.00
5.6E-02 -	8.3E-02	0	0	0.00	100.00
8.3E-02 -	1.2E-01	1	1	0.67	100.00
1.2E-01 -	1.8E-01	2	3	1.33	99.33
1.8E-01 -	2.6E-01	7	10	4.67	98.00
2.6E-01 -	3.8E-01	42	52	28.00	93.33
3.8E-01 -	5.6E-01	52	104	34.67	65.33
5.6E-01 -	8.3E-01	36	140	24.00	30.67
8.3E-01 -	1.2E+00	10	150	6.67	6.67

HISTOGRAM FOR COLUMN 4 (S-T18)

1.0E-01 X
1.5E-01 X
2.0E-01 XXXX
3.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX
7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E+00 XXXXXXXX

ANALYTICAL			
N	L	H	T
0	0	0	0
0.00	0.00	0	0.00
			150
			0.00

MAXIMUM = 1.00000E+00
MINIMUM = 1.00000E-01
GEOMETRIC MEAN = 4.58976E-01
GEOMETRIC DEVIATION = 1.56755E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 5 (S-MN)

LIMITS	FREQ			PERCENT		PERCENT FREQ CUM
	LOWER	UPPER	CUM	FREQ	FREQ	
8.3E+00 -	1.2E+01	0	0	0.00	100.00	
1.2E+01 -	1.8E+01	0	0	0.00	100.00	
1.8E+01 -	2.6E+01	0	0	0.00	100.00	
2.6E+01 -	3.8E+01	0	0	0.00	100.00	
3.8E+01 -	5.6E+01	0	0	0.00	100.00	
5.6E+01 -	8.3E+01	0	0	0.00	100.00	
8.3E+01 -	1.2E+02	0	0	0.00	100.00	
1.2E+02 -	1.8E+02	0	0	0.00	100.00	
1.8E+02 -	2.6E+02	0	0	0.00	100.00	
2.6E+02 -	3.8E+02	1	1	0.67	100.00	
3.8E+02 -	5.6E+02	8	9	5.33	99.33	
5.6E+02 -	8.3E+02	37	46	24.67	94.00	
8.3E+02 -	1.2E+03	42	88	28.00	69.33	
1.2E+03 -	1.8E+03	52	140	34.67	41.33	
1.8E+03 -	2.6E+03	7	147	4.67	6.67	
2.6E+03 -	3.8E+03	3	150	2.00	2.00	

HISTOGRAM FOR COLUMN 5 (S-MN)

```

3.0E+02 X
5.0E+02 XXXXX
7.0E+02 XXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E+03 XXXXXXXXXXXXXXXXXXXXXXXXXX
1.5E+03 XXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E+03 XXXXX
3.0E+03 XX

```

N	L	H	B	T	ANALYTICAL VALUES	
					G	150
0.00	-0.00	0	0	0.00	0.00	0.00

MAXIMUM = 3.00010E+03
 MINIMUM = 3.00000E+02
 GEOMETRIC MEAN = 1.06390E+03
 GEOMETRIC DEVIATION = 1.50575E+00

TITLE
BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 6 (S=AG)

UNITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER - UPPER					
3.8E-01 -	5.6E-01	7	7	4.67	8.67
5.6E-01 -	8.3E-01	1	8	0.67	4.00
8.3E-01 -	1.2E+00	0	8	0.00	3.33
1.2E+00 -	1.8E+00	4	12	2.67	3.33
1.8E+00 -	2.6E+00	0	12	0.00	0.67
2.6E+00 -	3.8E+00	1	13	0.67	0.67

HISTOGRAM FOR COLUMN 6 (S=AG)

5.0E-01 XXXX
7.0E-01 X
1.0E+00
1.5E+00 XXX
2.0E+00
3.0E+00 X

ANALYTICAL VALUES		T	G
126	11	0	0
84.00	7.33	0.00	0.00

MAXIMUM = 3.00000E+00
MINIMUM = 5.00000E-01
GEOMETRIC MEAN = 8.25800E-01
GEOMETRIC DEVIATION = 1.89197E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 9 (S-B)

LIMITS	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER - UPPER				
8.3E+00 - 1.2E+01	5	5	3.33	15.33
1.2E+01 - 1.8E+01	7	12	4.67	12.00
1.8E+01 - 2.6E+01	4	16	2.67	7.33
2.6E+01 - 3.5E+01	3	19	2.00	4.67
3.5E+01 - 5.6E+01	3	22	2.00	2.67
5.6E+01 - 8.3E+01	1	23	0.67	0.67

HISTOGRAM FOR COLUMN 9 (S-B)

1.0E+01 XXX
1.5E+01 XXXXX
2.0E+01 XXX
3.0E+01 XX
5.0E+01 XX
7.0E+01 X

H	L	H	B	T	G	ANALYTICAL VALUES
32	95	0	0	0	0	23
21.33	63.33			0.00	0.00	

MAXIMUM = 7.00010E+01
MINIMUM = 1.00000E+01
GEOMETRIC MEAN = 1.97746E+01
GEOMETRIC DEVIATION = 1.79715E+00

HRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

HRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE: FOR COLUMN 10 (S-HA)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER		CUM	FREQ	FREQ CUM
1.8E+01	2.6E+01	0	0	0.00	100.00
2.6E+01	3.8E+01	0	0	0.00	100.00
3.8E+01	5.6E+01	0	0	0.00	100.00
5.6E+01	8.3E+01	0	0	0.00	100.00
8.3E+01	1.2E+02	0	0	0.00	100.00
1.2E+02	1.8E+02	0	0	0.00	100.00
1.8E+02	2.6E+02	0	0	0.00	100.00
2.6E+02	3.8E+02	1	1	0.67	100.00
3.8E+02	5.6E+02	2	3	1.33	99.33
5.6E+02	8.3E+02	8	11	5.33	98.00
8.3E+02	1.2E+03	11	22	7.33	92.67
1.2E+03	1.8E+03	93	115	62.00	85.33
1.8E+03	2.6E+03	29	144	19.33	23.33
2.6E+03	3.8E+03	6	150	4.00	4.00

HISTOGRAM FOR COLUMN 10 (S-BA)

```

3.0E+02 X
5.0E+02 X
7.0E+02 XXXX
1.0E+03 XXXXXX
1.5E+03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E+03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E+03 XXXX

```

ANALYTICAL		VALUES	
N	0	0	0
L	0	0	0
H	0	0	0
T	0	0	0
G	0	0	0

```

MAXIMUM = 3.00010E+03
MINIMUM = 3.00000E+02
GEOMETRIC MEAN = 1.48157E+03
GEOMETRIC DEVIATION = 1.39790E+00

```

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 11 (S-RE)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
8.3E+01 -	1.2E+00	100	100	66.67	66.67	82.67	82.67
1.2E+00 -	1.8E+00	22	122	14.67	14.67	16.00	16.00
1.8E+00 -	2.6E+00	2	124	1.33	1.33	1.33	1.33

HISTOGRAM FOR COLUMN 11 (S-RE)

1.0E+00 XX
 1.5E+00 XX
 2.0E+00 X

ANALYTICAL		VALUES	
N		G	
0	26	0	124
0.00	17.33	0.00	0.00

MAXIMUM = 2.00000E+00
 MINIMUM = 1.00000E+00
 GEOMETRIC MEAN = 1.08667E+00
 GEOMETRIC DEVIATION = 1.18998E+00

TITLE
BRADFIELD CANAL UGGS STREAM SEDIMENT ANALYTICAL DATA
FREQUENCY TABLE FOR COLUMN 14 (S=CO)

LIMITS		FREQ	FREQ	FREQ	PERCENT	PERCENT
LOWER - UPPER			CUM		FREQ	FREQ CUM
3.8E+00 -	5.6E+00	13	13	9.67		97.33
5.6E+00 -	8.3E+00	25	38	16.67		88.67
8.3E+00 -	1.2E+01	34	72	22.67		72.00
1.2E+01 -	1.8E+01	45	117	30.00		49.33
1.8E+01 -	2.6E+01	18	135	12.00		19.33
2.6E+01 -	3.8E+01	8	143	5.33		7.33
3.8E+01 -	5.6E+01	2	145	1.33		2.00
5.6E+01 -	8.3E+01	1	146	0.67		0.67

HISTOGRAM FOR COLUMN 14 (S=CO)

5.0E+00 XXXXXXXXX
7.0E+00 XXXXXXXXX
1.0E+01 XXXXXXXXX
1.5E+01 XXXXXXXXX
2.0E+01 XXXXXXXXX
3.0E+01 XXXXX
5.0E+01 X
7.0E+01 X

N	L	H	B	T	G	ANALYTICAL VALUES
1	3	0	0	0	0	146
0.67	2.00	0	0	0.00	0.00	

MAXIMUM = 7.00010E+01
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 1.20110E+01
GEOMETRIC DEVIATION = 1.68191E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 15 (S-CR)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
8.3E+00	1.2E+01	3	3	2.00	2.00	99.33	99.33
1.2E+01	1.8E+01	5	8	3.33	3.33	97.33	97.33
1.8E+01	2.6E+01	12	20	8.00	8.00	94.00	94.00
2.6E+01	3.8E+01	25	45	16.67	16.67	86.00	86.00
3.8E+01	5.6E+01	19	64	12.67	12.67	69.33	69.33
5.6E+01	8.3E+01	43	107	28.67	28.67	56.67	56.67
8.3E+01	1.2E+02	11	118	7.33	7.33	28.00	28.00
1.2E+02	1.8E+02	27	145	18.00	18.00	20.67	20.67
1.8E+02	2.6E+02	3	148	2.00	2.00	2.67	2.67
2.6E+02	3.8E+02	0	148	0.00	0.00	0.67	0.67
3.8E+02	5.6E+02	0	148	0.00	0.00	0.67	0.67
5.6E+02	8.3E+02	1	149	0.67	0.67	0.67	0.67

HISTOGRAM FOR COLUMN 15 (S-CR)

1.0E+01 XX
 1.5E+01 XX
 2.0E+01 XXXXXXXX
 3.0E+01 XXXXXXXXXXXXXXXX
 5.0E+01 XXXXXXXXXXXXXXXX
 7.0E+01 XXXXXXXXXXXXXXXX
 1.0E+02 XXXXXXXX
 1.5E+02 XXXXXXXXXXXXXXXX
 2.0E+02 XX
 3.0E+02
 5.0E+02
 7.0E+02 X

N	L	H	B	T	G	ANALYTICAL VALUES
1	0	0	0	0	0	149
0.67	0.00			0.00	0.00	

MAXIMUM = 7.00010E+02
 MINIMUM = 1.00000E+01
 GEOMETRIC MEAN = 5.87165E+01
 GEOMETRIC DEVIATION = 2.11693E+00

TITLE
BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 16 (S-CU)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	CUM	FREQ	CUM
3.8E+00	5.6E+00	3	3	2.00	2.00	98.00	98.00
5.6E+00	8.3E+00	13	16	8.67	8.67	96.00	96.00
8.3E+00	1.2E+01	10	26	6.67	6.67	87.33	87.33
1.2E+01	1.8E+01	12	38	8.00	8.00	80.67	80.67
1.8E+01	2.6E+01	14	52	9.33	9.33	72.67	72.67
2.6E+01	3.8E+01	37	89	24.67	24.67	63.33	63.33
3.8E+01	5.6E+01	13	102	8.67	8.67	38.67	38.67
5.6E+01	8.3E+01	25	127	16.67	16.67	30.00	30.00
8.3E+01	1.2E+02	9	136	6.00	6.00	13.33	13.33
1.2E+02	1.8E+02	10	146	6.67	6.67	7.33	7.33
1.8E+02	2.6E+02	1	147	0.67	0.67	0.67	0.67

HISTOGRAM FOR COLUMN 16 (S-CU)

5.0E+00 XX
7.0E+00 XXXXXXXXX
1.0E+01 XXXXXX
1.5E+01 XXXXXXXX
2.0E+01 XXXXXXXX
3.0E+01 XXXXXXXX
5.0E+01 XXXXXXXX
7.0E+01 XXXXXXXX
1.0E+02 XXXXX
1.5E+02 XXXXXX
2.0E+02 X

ANALYTICAL			
N	L	H	B
0	3	0	0
0.00	2.00	0.00	0.00

MAXIMUM = 2.00010E+02
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 3.15446E+01
GEOMETRIC DEVIATION = 2.48354E+00

TITLE

BRAOFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 17 (S-LA)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER	CUM	FREQ	FREQ	CUM
1.8E+01	2.6E+01	36	36	24.00	78.67
2.6E+01	3.4E+01	31	67	20.67	54.67
3.4E+01	5.6E+01	5	72	3.33	34.00
5.6E+01	8.3E+01	10	82	6.67	30.67
8.3E+01	1.2E+02	5	87	3.33	24.00
1.2E+02	1.8E+02	19	106	12.67	20.67
1.8E+02	2.6E+02	7	113	4.67	8.00
2.6E+02	3.4E+02	4	117	2.67	3.33
3.4E+02	5.6E+02	1	118	0.67	0.67

HISTOGRAM FOR COLUMN 17 (S-LA)

2.0E+01 XXXXXXXXXXXXXXXXXXXX
 3.0E+01 XXXXXXXXXXXXXXXXXXXX
 5.0E+01 XXX
 7.0E+01 XXXXXX
 1.0E+02 XXX
 1.5E+02 XXXXXXXXXXXXXXXX
 2.0E+02 XXXX
 3.0E+02 XXX
 5.0E+02 X

N	L	H	B	T	G	ANALYTICAL VALUES
4	2A	0	0	0	0	118
2.67	18.67			0.00	0.00	

MAXIMUM = 5.00010E+02
 MINIMUM = 2.00010E+01
 GEOMETRIC MEAN = 1.91849E+01
 GEOMETRIC DEVIATION = 2.47798E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 18 (S=MO)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	CUM	FREQ	FREQ	CUM	FREQ	CUM
3.8E+00	5.6E+00	4	4	2.67	9.33	2.67	9.33
5.6E+00	8.3E+00	4	8	2.67	6.67	2.67	6.67
8.3E+00	1.2E+01	2	10	1.33	4.00	1.33	4.00
1.2E+01	1.8E+01	2	12	1.33	2.67	1.33	2.67
1.8E+01	2.6E+01	2	14	1.33	1.33	1.33	1.33

HISTOGRAM FOR COLUMN 18 (S=MO)

5.0E+00 XXX
7.0E+00 XXX
1.0E+01 X
1.5E+01 X
2.0E+01 X

ANALYTICAL
VALUES
14

N	L	H	B	T	G
83	53	0	0	0	0
55.33	35.33			0.00	0.00

MAXIMUM = 2.00010E+01
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 8.66764E+00
GEOMETRIC DEVIATION = 1.67195E+00

TITLE

BRANFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 19 (S=NR)

LIMITS	FREQ	FREQ	PERCENT	PERCENT
LOWER - UPPER	CUM	FREQ	FREQ	CUM
8.3E+00 - 1.2E+01	95	63.33		70.00
1.2E+01 - 1.8E+01	8	5.33		6.67
1.8E+01 - 2.6E+01	1	0.67		1.33
2.6E+01 - 3.8E+01	1	0.67		0.67

HISTOGRAM FOR COLUMN 19 (S=NR)

1.0E+01 XX
 1.5E+01 XXXXX
 2.0E+01 X
 3.0E+01 X

N	L	H	B	T	G	ANALYTICAL VALUES
7	38	0	0	0	0	105
4.67	25.33			0.00	0.00	

MAXIMUM = 3.00010E+01
 MINIMUM = 1.00000E+01
 GEOMETRIC MEAN = 1.04913E+01
 GEOMETRIC DEVIATION = 1.1769E+00

TITLE
BRADFIELD CANAL URGES STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 20 (S=NI)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	CUM	FREQ	CUM
3.8E+00	5.6E+00	12	12	8.00		95.33	
5.6E+00	9.3E+00	9	21	6.00		87.33	
8.3E+00	1.2E+01	7	28	4.67		81.33	
1.2E+01	1.8E+01	57	85	34.00		76.67	
1.8E+01	2.6E+01	26	111	17.33		38.67	
2.6E+01	3.4E+01	13	124	8.67		21.33	
3.4E+01	5.6E+01	6	130	4.00		12.67	
5.6E+01	8.3E+01	11	141	7.33		8.67	
8.3E+01	1.2E+02	1	142	0.67		1.33	
1.2E+02	1.8E+02	1	143	0.67		0.67	

HISTOGRAM FOR COLUMN 20 (S=NI)

```

5.0E+00 XXXXXXXX
7.0E+00 XXXXXX
1.0E+01 XXXXX
1.5E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E+01 XXXXXXXXX
5.0E+01 XXXX
7.0E+01 XXXXXXXX
1.0E+02 X
1.5E+02 X

```

N	L	H	B	T	G	ANALYTICAL VALUES
0	7	0	0	0	0	143
0.00	4.67			0.00	0.00	

MAXIMUM = 1.50010E+02
 MINIMUM = 5.00000E+00
 GEOMETRIC MEAN = 1.74927E+01
 GEOMETRIC DEVIATION = 2.01379E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 21 (S-PB)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
0.3E+00	1.2E+01	9	9	6.00	98.67
1.2E+01	1.8E+01	17	26	11.33	92.67
1.8E+01	2.6E+01	48	74	32.00	81.33
2.6E+01	3.4E+01	45	119	30.00	49.33
3.4E+01	5.6E+01	10	129	6.67	19.33
5.6E+01	8.3E+01	5	134	3.33	12.67
8.3E+01	1.2E+02	5	139	3.33	9.33
1.2E+02	1.8E+02	6	145	4.00	6.00
1.8E+02	2.6E+02	0	145	0.00	2.00
2.6E+02	3.4E+02	3	148	2.00	2.00

HISTOGRAM FOR COLUMN 21 (S-PB)

```

1.0E+01 XXXXX
1.5E+01 XXXXXXXXXXXX
2.0E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E+01 XXXXXXXX
7.0E+01 XXX
1.0E+02 XXX
1.5E+02 XXXX
2.0E+02
3.0E+02 XX

```

N	L	H	B	T	G	ANALYTICAL VALUES
0	2	0	0	0	0	148
0.00	1.33			0.00	0.00	

MAXIMUM = 3.00000E+02
 MINIMUM = 1.00000E+01
 GEOMETRIC MEAN = 2.81922E+01
 GEOMETRIC DEVIATION = 2.00603E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 23 (S-SC)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		FREQ CUM		FREQ		FREQ CUM	
3.8E+00 -	5.6E+00	0	0	0.00	0.00	99.33	99.33
5.6E+00 -	8.3E+00	9	9	6.00	6.00	99.33	99.33
8.3E+00 -	1.2E+01	17	26	11.33	11.33	93.33	93.33
1.2E+01 -	1.8E+01	57	83	38.00	38.00	82.00	82.00
1.8E+01 -	2.6E+01	40	123	26.67	26.67	44.00	44.00
2.6E+01 -	3.8E+01	25	148	16.67	16.67	17.33	17.33
3.8E+01 -	5.6E+01	1	149	0.67	0.67	0.67	0.67

HISTOGRAM FOR COLUMN 23 (S-SC)

7.0E+00 XXXXX
1.0E+01 XXXXXXXXXXXXX
1.5E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E+01 X

ANALYTICAL		VALUES	
N		G	
1	0.67	0	149
0.67	0.00	0.00	0.00

MAXIMUM = 5.00010E+01
MINIMUM = 7.00000E+00
GEOMETRIC MEAN = 1.67334E+01
GEOMETRIC DEVIATION = 1.48340E+00

TITLE
BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 25 (S=8R)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
8.3E+01	1.2E+02	1	1	0.67	99.33
1.2E+02	1.8E+02	0	1	0.00	99.67
1.8E+02	2.6E+02	2	3	1.33	98.67
2.6E+02	3.8E+02	26	29	17.33	97.33
3.8E+02	5.8E+02	31	60	20.67	80.00
5.8E+02	8.3E+02	55	115	36.67	59.33
8.3E+02	1.2E+03	23	138	15.23	22.67
1.2E+03	1.8E+03	10	148	6.67	7.33
1.8E+03	2.5E+03	1	149	0.67	0.67

HISTOGRAM FOR COLUMN 25 (S=8R)

```

1.0E+02 X
1.5E+02
2.0E+02 X
3.0E+02 XXXXXXXXXXXXXXXXXXXX
5.0E+02 XXXXXXXXXXXXXXXXXXXX
7.0E+02 XXXXXXXXXXXXXXXXXXXX
1.0E+03 XXXXXXXXXXXXXXXXXXXX
1.5E+03 XXXXXXXX
2.0E+03 X

```

N	L	H	R	T	G	ANALYTICAL VALUES
0	1	0	0	0	0	149
0.00	0.67			0.00	0.00	

MAXIMUM = 2.00010E+03
 MINIMUM = 1.00001E+02
 GEOMETRIC MEAN = 6.11931E+02
 GEOMETRIC DEVIATION = 1.64029E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 26 (S-V)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER - UPPER					
8.3E+00 -	1.2E+01	0	0	0.00	100.00
1.2E+01 -	1.8E+01	0	0	0.00	100.00
1.8E+01 -	2.6E+01	0	0	0.00	100.00
2.6E+01 -	3.8E+01	0	0	0.00	100.00
3.8E+01 -	5.6E+01	1	1	0.67	100.00
5.6E+01 -	9.3E+01	1	2	0.67	99.33
9.3E+01 -	1.2E+02	12	14	8.00	98.67
1.2E+02 -	1.8E+02	46	60	30.67	90.67
1.8E+02 -	2.6E+02	49	109	32.67	60.00
2.6E+02 -	3.8E+02	37	146	24.67	27.33
3.8E+02 -	5.6E+02	4	150	2.67	2.67

HISTOGRAM FOR COLUMN 26 (S-V)

5.0E+01 X
7.0E+01 X
1.0E+02 XXXXXXXX
1.5E+02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E+02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E+02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E+02 XXX

ANALYTICAL		VALUES	
N	L	H	B
0	0	0	0
0.00	0.00	0.00	0.00

MAXIMUM = 5.00010E+02
MINIMUM = 5.00010E+01
GEOMETRIC MEAN = 1.93039E+02
GEOMETRIC DEVIATION = 1.46655E+00

TITLE
BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 28 (S-Y)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
8.3E+00 -	1.2E+01	8	8	5.33	5.33	99.33	99.33
1.2E+01 -	1.8E+01	28	35	18.67	18.67	94.00	94.00
1.8E+01 -	2.6E+01	55	91	36.67	36.67	75.33	75.33
2.6E+01 -	3.8E+01	43	134	28.67	28.67	38.67	38.67
3.8E+01 -	5.6E+01	13	147	8.67	8.67	10.00	10.00
5.6E+01 -	8.3E+01	2	149	1.33	1.33	1.33	1.33

HISTOGRAM FOR COLUMN 28 (S-Y)

1.0E+01 XXXX
1.5E+01 XXXXXXXXXXXXXXXXXXXX
2.0E+01 XXXXXXXXXXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXXXXXXXXXX
5.0E+01 XXXXXXXX
7.0E+01 X

		ANALYTICAL	
		VALUES	
H	L	T	G
0	1	0	0
0.00	0.67	0.00	0.00

MAXIMUM = 7.00010E+01
MINIMUM = 1.00000E+01
GEOMETRIC MEAN = 2.26073E+01
GEOMETRIC DEVIATION = 1.50890E+00

TITLE
BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 29 (S-ZN)

LIMITS		FREQ		PERCENT	
LOWER	UPPER	CUM	FREQ	PERCENT	CUM
1.8E+02	2.6E+02	2	1.33	1.33	4.00
2.6E+02	3.8E+02	4	1.33	1.33	2.67
3.8E+02	5.6E+02	5	0.67	0.67	1.33
5.6E+02	8.3E+02	6	0.67	0.67	0.67

HISTOGRAM FOR COLUMN 29 (S-ZN)

2.0E+02 X
3.0E+02 X
5.0E+02 X
7.0E+02 X

ANALYTICAL		VALUES	
N	L	H	B
129	15	0	0
86.00	10.00	0	0.00

MAXIMUM = 7.00010E+02
MINIMUM = 2.00010E+02
GEOMETRIC MEAN = 3.28653E+02
GEOMETRIC DEVIATION = 1.65126E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 30 (S-ZR)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
8.3E+00	1.2E+01	0	0	0.00	100.00
1.2E+01	1.8E+01	0	0	0.00	100.00
1.8E+01	2.6E+01	0	0	0.00	100.00
2.6E+01	3.8E+01	0	0	0.00	100.00
3.8E+01	5.6E+01	3	3	2.00	100.00
5.6E+01	8.3E+01	24	27	16.00	98.00
8.3E+01	1.2E+02	18	45	12.00	82.00
1.2E+02	1.8E+02	21	66	14.00	70.00
1.8E+02	2.6E+02	25	91	16.67	56.00
2.6E+02	3.8E+02	32	123	21.33	39.33
3.8E+02	5.6E+02	12	135	8.00	18.00
5.6E+02	8.3E+02	8	143	5.33	10.00
8.3E+02	1.2E+03	7	150	4.67	4.67

HISTOGRAM FOR COLUMN 30 (S-ZR)

```

5.0E+01 XX
7.0E+01 XXXXXXXXXXXXXXXX
1.0E+02 XXXXXXXXXXXXXXX
1.5E+02 XXXXXXXXXXXXXXXX
2.0E+02 XXXXXXXXXXXXXXXX
3.0E+02 XXXXXXXXXXXXXXXX
5.0E+02 XXXXXXXX
7.0E+02 XXXXX
1.0E+03 XXXX

```

ANALYTICAL

VALUES

T	G
0	0
0.00	0.00

MAXIMUM = 1.00001E+03
 MINIMUM = 5.00010E+01
 GEOMETRIC MEAN = 1.96550E+02
 GEOMETRIC DEVIATION = 2.16200E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 31 (AA-AU-P)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER - UPPER					
1.8E-02 -	2.6E-02	3	3	2.00	8.67
2.6E-02 -	3.8E-02	0	3	0.00	8.67
3.8E-02 -	5.6E-02	1	4	0.67	9.33
5.6E-02 -	8.3E-02	1	5	0.67	10.00
8.3E-02 -	1.2E-01	4	9	2.67	12.67
1.2E-01 -	1.8E-01	2	11	1.33	14.00
1.8E-01 -	2.6E-01	1	12	0.67	14.67
2.6E-01 -	3.8E-01	1	13	0.67	15.33

HISTOGRAM FOR COLUMN 31 (AA-AU-P)

2.0E-02 XX
3.0E-02
5.0E-02 X
7.0E-02 X
1.0E-01 XXX
1.5E-01 X
2.0E-01 X
3.0E-01 X

N	L	H	B	T	G	ANALYTICAL VALUES
127	10	0	0	0	0	13
84.67	6.67			0.00	0.00	

MAXIMUM = 3.00000E-01
MINIMUM = 2.00000E-02
GEOMETRIC MEAN = 7.55043E-02
GEOMETRIC DEVIATION = 2.47568E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 32 (INST=HG)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
1.4E-02	2.6E-02	25	25	19.38		75.19	
2.6E-02	3.8E-02	0	25	0.00		55.81	
3.8E-02	5.0E-02	12	37	9.30		55.81	
5.0E-02	6.3E-02	36	73	27.91		46.51	
6.3E-02	1.2E-01	10	83	7.75		18.60	
1.2E-01	1.8E-01	6	89	4.65		10.85	
1.8E-01	2.6E-01	5	94	3.88		6.20	
2.6E-01	3.8E-01	2	96	1.55		2.33	
3.8E-01	5.0E-01	1	97	0.78		0.78	

HISTOGRAM FOR COLUMN 32 (INST=HG)

2.0E-02 XXXXXXXXXXXXXXXXXXXX
3.0E-02 XXXXXXXXXXXXXXXXXXXX
5.0E-02 XXXXXXXXXXXX
7.0E-02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E-01 XXXXXXXX
1.5E-01 XXXX
2.0E-01 XXX
3.0E-01 XX
5.0E-01 X

ANALYTICAL		VALUES	
N		G	
17	15	0	97
13.14	11.63	0.00	0.00

MAXIMUM = 4.00000E+01
MINIMUM = 2.00000E-02
GEOMETRIC MEAN = 5.73901E+02
GEOMETRIC DEVIATION = 2.18658E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 33 (AA-CU-P)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER - UPPER					
3.8E+00 -	5.6E+00	9	9	6.98	99.22
5.6E+00 -	8.3E+00	0	9	0.00	99.22
8.3E+00 -	1.2E+01	19	28	14.73	92.25
1.2E+01 -	1.8E+01	24	52	18.60	77.52
1.8E+01 -	2.6E+01	32	84	24.81	58.91
2.6E+01 -	3.8E+01	15	99	11.63	34.11
3.8E+01 -	5.6E+01	19	118	14.73	22.48
5.6E+01 -	8.3E+01	6	124	4.65	7.75
8.3E+01 -	1.2E+02	4	128	3.10	3.10

HISTOGRAM FOR COLUMN 33 (AA-CU-P)

5.0E+00 XXXXXX
7.0E+00
1.0E+01 XXXXXXXXXXXX
1.5E+01 XXXXXXXXXXXX
2.0E+01 XXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXX
5.0E+01 XXXXXXXXXXXX
7.0E+01 XXXX
1.0E+02 XXX

ANALYTICAL VALUES				
N	L	H	B	T
0	1	0	21	0
0.00	0.78			0.00

MAXIMUM = 9.00010E+01
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 2.09726E+01
GEOMETRIC DEVIATION = 2.02953E+00

TITLE
BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA
FREQUENCY TABLE FOR COLUMN 34 (AA=PB=P)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E+00	5.6E+00	46	46	35.66	95.35
5.6E+00	8.3E+00	0	46	0.00	95.69
8.3E+00	1.2E+01	53	99	41.09	99.69
1.2E+01	1.8E+01	11	110	8.53	18.60
1.8E+01	2.6E+01	10	120	7.75	10.08
2.6E+01	3.8E+01	1	121	0.78	2.33
3.8E+01	5.6E+01	1	122	0.78	1.55
5.6E+01	8.3E+01	0	122	0.00	0.78
8.3E+01	1.2E+02	1	123	0.78	0.78

HISTOGRAM FOR COLUMN 34 (AA=PB=P)

```

5.0E+00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
7.0E+00
1.0E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.5E+01 XXXXXXXXXXXX
2.0E+01 XXXXXXXXXX
3.0E+01 X
5.0E+01 X
7.0E+01
1.0E+02 X

```

N	L	H	R	T	G	ANALYTICAL VALUES
0	4	0	21	0	0	123
0.00	4.65			0.00	0.00	

MAXIMUM = 1.20010E+02
 MINIMUM = 5.00000E+00
 GEOMETRIC MEAN = 8.83394E+00
 GEOMETRIC DEVIATION = 1.73230E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 35 (AA=ZN=P)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	CUM	FREQ	CUM
3.8E+00	5.6E+00	0	0	0.00	0.00	100.00	100.00
5.6E+00	8.3E+00	0	0	0.00	0.00	100.00	100.00
8.3E+00	1.2E+01	0	0	0.00	0.00	100.00	100.00
1.2E+01	1.8E+01	0	0	0.00	0.00	100.00	100.00
1.8E+01	2.6E+01	17	17	13.18	13.18	100.00	100.00
2.6E+01	3.8E+01	30	47	23.26	23.26	86.82	86.82
3.8E+01	5.6E+01	50	97	38.76	38.76	63.57	63.57
5.6E+01	8.3E+01	28	125	21.71	21.71	24.81	24.81
8.3E+01	1.2E+02	4	129	3.10	3.10	3.10	3.10

HISTOGRAM FOR COLUMN 35 (AA=ZN=P)

2.0E+01 XXXXXXXXXXXXXXXX
 3.0E+01 XXXXXXXXXXXXXXXXXXXXXXXX
 5.0E+01 XXXXXXXXXXXXXXXXXXXXXXXX
 7.0E+01 XXXXXXXXXXXXXXXXXXXXXXXX
 1.0E+02 XXX

ANALYTICAL		VALUES	
N	L	H	B
0	0	0	21
0.00	0.00	0.00	0.00

MAXIMUM = 1.10010E+02
 MINIMUM = 2.00010E+01
 GEOMETRIC MEAN = 4.25239E+01
 GEOMETRIC DEVIATION = 1.47286E+00

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

IN THE COMPUTATIONS PERFORMED TO PRODUCE THE FOLLOWING TABLE OF GEOMETRIC MEANS AND DEVIATIONS, ALL ELEMENTS ARE IGNORED WHERE ONE OR MORE OF THE UNQUALIFIED DATA VALUES IS LESS THAN THE ANALYTICAL LIMIT OF DETECTION SPECIFIED ON INPUT OR WHERE ANY DATA VALUES ARE QUALIFIED WITH THE G (GREATER THAN) CODE. DATA VALUES QUALIFIED WITH B OR H ARE NOT USED IN THE COMPUTATIONS. WHERE NONE OF THE DATA VALUES FOR AN ELEMENT ARE QUALIFIED THE MEAN AND DEVIATION SHOULD BE THE SAME AS THOSE GIVEN IN THE PRECEDING SECTION. WHERE DATA ARE QUALIFIED WITH THE CODES N, L, OR T, THE ESTIMATES OF GEOMETRIC MEAN AND DEVIATION ARE BASED ON A METHOD BY A. J. COHEN FOR TREATING CENSORED DISTRIBUTIONS. THE APPLICATION OF THIS METHOD TO GEOCHEMICAL PROBLEMS IS DESCRIBED IN USGS PROFESSIONAL PAPER 574-B. THE ESTIMATES ARE UNBIASED IN A STRICT SENSE ONLY WHERE THE DATA ARE DERIVED FROM A LOGNORMAL PARENT POPULATION, BUT EXPERIMENTS HAVE SHOWN THAT LARGE DEPARTURES FROM THIS REQUIREMENT MAY NOT GREATLY INVALIDATE THE RESULTS ACCEPTANCE AND USE OF THE ESTIMATES, HOWEVER, IS THE RESPONSIBILITY OF THE INDIVIDUAL.

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
S-FEZ	0	0	0	0	0	0	150
S-MGZ	0	0	0	0	0	0	150
S-CAZ	0	0	0	0	0	0	150
S-TIZ	0	0	0	0	0	0	150
S-MN	0	0	0	0	0	0	150
S-AG	126	11	0	0	0	0	13
S-B	32	95	0	0	0	0	23
S-BA	0	0	0	0	0	0	150
S-BE	0	26	0	0	0	0	124
S-CO	1	3	0	0	0	0	146
S-CR	1	0	0	0	0	0	149
S-CU	0	3	0	0	0	0	147
S-LA	4	28	0	0	0	0	118
S-MO	83	53	0	0	0	0	14
S-NB	7	38	0	0	0	0	105
S-NI	0	7	0	0	0	0	143
S-PB	0	2	0	0	0	0	148
S-SC	1	0	0	0	0	0	149
S-SR	0	1	0	0	0	0	149
S-V	0	0	0	0	0	0	150
S-Y	0	1	0	0	0	0	149
S-ZN	129	15	0	0	0	0	6
S-ZR	0	0	0	0	0	0	150
AA-AU-P	127	10	0	0	0	0	13
INST-HG	17	15	0	21	0	0	97
AA-CU-P	0	1	0	21	0	0	128
AA-PB-P	0	6	0	21	0	0	123
AA-ZN-P	0	0	0	21	0	0	129

TITLE

BRADFIELD CANAL USGS STREAM SEDIMENT ANALYTICAL DATA

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS
S-FEZ	5.246471	1.69	150 SAMPLES AND 150 ANALYTICAL VALUES.
S-MCZ	1.635455	1.84	150 SAMPLES AND 150 ANALYTICAL VALUES.
S-CAZ	2.486331	1.68	150 SAMPLES AND 150 ANALYTICAL VALUES.
S-TIZ	0.458976	1.57	150 SAMPLES AND 150 ANALYTICAL VALUES.
S-MN	1063.897860	1.51	150 SAMPLES AND 150 ANALYTICAL VALUES.
S-AG	0.040680	5.20	137 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-B	1.662838	4.87	127 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-RA	1481.573070	1.40	150 SAMPLES AND 150 ANALYTICAL VALUES.
S-BE	1.014878	1.25	26 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-CO	11.585798	1.75	4 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-CR	57.859969	2.16	1 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-CU	30.034673	2.62	3 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-LA	34.315968	2.98	32 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-MO	0.446028	5.15	136 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-NB	9.339702	1.26	45 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-NI	16.061552	2.20	7 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-PB	27.625848	2.04	2 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-SC	16.559588	1.51	1 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-SR	603.391937	1.69	1 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-V	193.038540	1.47	150 SAMPLES AND 150 ANALYTICAL VALUES.
S-Y	22.435115	1.52	1 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-ZN	13.010821	4.46	144 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-ZR	196.549522	2.16	150 SAMPLES AND 150 ANALYTICAL VALUES.
AA-AU-P	0.000330	19.03	137 NOT DETECTED, LESS THAN, OR TRACE VALUES.
INST-HG	0.036659	2.90	32 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AA-CU-P	20.658916	2.07	1 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AA-PB-P	8.390052	1.80	6 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AA-ZN-P	42.523870	1.47	150 SAMPLES AND 129 ANALYTICAL VALUES.

TABLE 4. GEOCHEMICAL SUMMARY - USGS ROCK SAMPLE DATA.

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

THE COMPUTATIONS TO FOLLOW ARE INTENDED TO SUMMARIZE GEOCHEMICAL DATA ENTERED ON USGS STANDARD 10 VARIABLE (G FORMAT), DATA CARDS OR ON A USGS STATPAC TAPE. THE FOLLOWING ALPHA CODES ARE USED WITH THE DATA AS DESCRIBED IN USGS PROGRAM DOCUMENTATION D0092- N = NOT DETECTED, L = LESS THAN, G = GREATER THAN, T = TRACE, H = INTERFERENCE, AND B = BLANK OR NO DATA. THE HISTOGRAMS AND STATISTICS ARE DERIVED ON THE ASSUMPTION THAT THE DATA ARE MORE PROPERLY TREATED ON A LOGARITHMIC, RATHER THAN AN ARITHMETIC BASIS.

SPEC. CADMIUM CONTAINS NO VALID DATA POINTS. THEREFORE THIS VARIABLE WILL BE SKIPPED.

THE MAX AND MIN 0.10000E+02 FOR SPEC. TIN ARE THE SAME. THEREFORE THIS VARIABLE WILL BE SKIPPED.

THE MAX AND MIN 0.50001E+03 FOR SPEC. TUNGSTEN ARE THE SAME. THEREFORE THIS VARIABLE WILL BE SKIPPED.

THE FREQUENCY DISTRIBUTIONS AND HISTOGRAMS ON THE FOLLOWING PAGES ARE ON LOGARITHMIC SCALES, AND EMPLOY THE SAME CLASS INTERVALS AS USED IN REPORTING 6-STEP SEMIQUANTITATIVE SPECTROGRAPHIC ANALYSES. IMPORTANT NOTE- THE STATISTICS GIVEN BELOW THE HISTOGRAMS ARE DERIVED ONLY FROM DATA VALUES WITHIN THE RANGES OF ANALYTICAL DETERMINATION, AND ARE, THEREFORE, BIASED IF DATA VALUES QUALIFIED WITH N, L, G, T, OR H CODES ARE PRESENT. SEE LATER SECTION OF OUTPUT FOR STATISTICAL ESTIMATES THAT ARE UNBIASED IN THIS REGARD. THE GEOMETRIC MEAN IS AN ESTIMATE OF 'CENTRAL TENDENCY,' OR OF A CHARACTERISTIC VALUE, OF A FREQUENCY DISTRIBUTION THAT IS APPROXIMATELY SYMMETRICAL ON A LOG SCALE, AND IS THEREFORE USEFUL FOR CHARACTERIZING MANY GEOCHEMICAL DISTRIBUTIONS. THE GEOMETRIC MEAN IS NOT AN ESTIMATE OF GEOCHEMICAL ABUNDANCE AND IS OF NO VALUE IN ESTIMATING RESERVES OR TOTAL AMOUNTS OF ELEMENTS PRESENT. SEE USGS PROFESSIONAL PAPER 574-B FOR FURTHER DISCUSSION. SEE USGS BULLETIN 1147E, PAGE 23, FOR EXPLANATION OF GEOMETRIC DEVIATION.

THE CUMULATIVE FREQUENCY PERCENTS GIVEN BELOW SHOULD BE PLOTTED AGAINST THE 'LOWER' LIMITS TO GIVE THE LEPELTIER-TYPE CUMULATIVE CURVE.

TITLE
BRADFIELD CANAL USCS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 1 (S-FEZ)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER	CUM	CUM	FREQ	FREQ CUM
3.8E-02	5.6E-02	0	0	0.00	99.39
5.6E-02	8.3E-02	0	0	0.00	99.39
8.3E-02	1.2E-01	1	1	0.30	99.39
1.2E-01	1.8E-01	1	2	0.30	99.09
1.8E-01	2.6E-01	1	3	0.30	98.78
2.6E-01	3.8E-01	1	4	0.30	98.48
3.8E-01	5.6E-01	6	10	1.83	98.17
5.6E-01	8.3E-01	13	23	3.96	96.34
8.3E-01	1.2E+00	10	33	3.05	92.38
1.2E+00	1.8E+00	49	82	14.94	89.33
1.8E+00	2.6E+00	46	128	14.02	74.39
2.6E+00	3.8E+00	72	200	21.95	60.37
3.8E+00	5.6E+00	40	240	12.20	38.41
5.6E+00	8.3E+00	39	279	11.89	26.22
8.3E+00	1.2E+01	25	304	7.62	14.33
1.2E+01	1.8E+01	13	317	3.96	6.71
1.8E+01	2.6E+01	4	321	1.22	2.74

HISTOGRAM FOR COLUMN 1 (S-FEZ)

5.0E-01 XX
7.0E-01 XXXX
1.0E+00 XXX
1.5E+00 XXXXXXXXXXXXXXXX
2.0E+00 XXXXXXXXXXXXXXXX
3.0E+00 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E+00 XXXXXXXXXXXXXXXX
7.0E+00 XXXXXXXXXXXXXXXX
1.0E+01 XXXXXXXX
1.5E+01 XXXX
2.0E+01 X

N	L	H	B	T	G	ANALYTICAL VALUES
2	0	0	0	0	5	321
0.61	0.00			0.00	1.52	

MAXIMUM = 2.00010E+01
MINIMUM = 1.00000E-01
GEOMETRIC MEAN = 3.07006E+00
GEOMETRIC DEVIATION = 2.40198E+00

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 2 (S-MGZ)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	CUM	FREQ	FREQ	PERCENT	FREQ	CUM
1.8E-02	2.6E-02	2	2	0.61	98.78		
2.6E-02	3.8E-02	4	6	1.22	98.17		
3.8E-02	5.6E-02	2	8	0.61	96.95		
5.6E-02	8.3E-02	4	12	1.22	96.34		
8.3E-02	1.2E-01	4	16	1.22	95.12		
1.2E-01	1.8E-01	28	44	8.54	93.90		
1.8E-01	2.6E-01	15	59	4.57	85.37		
2.6E-01	3.8E-01	14	73	4.27	80.79		
3.8E-01	5.6E-01	20	93	6.10	76.52		
5.6E-01	8.3E-01	55	148	16.77	70.43		
8.3E-01	1.2E+00	39	187	11.89	53.66		
1.2E+00	1.8E+00	47	234	14.33	41.77		
1.8E+00	2.6E+00	36	270	10.98	27.44		
2.6E+00	3.8E+00	38	308	11.59	16.46		
3.8E+00	5.6E+00	12	320	3.66	4.88		
5.6E+00	8.3E+00	3	323	0.91	1.22		
8.3E+00	1.2E+01	1	324	0.30	0.30		

HISTOGRAM FOR COLUMN 2 (S-MGZ)

2.0E-02 X
 3.0E-02 X
 5.0E-02 X
 7.0E-02 X
 1.0E-01 X
 1.5E-01 XXXXXXXXX
 2.0E-01 XXXXX
 3.0E-01 XXXX
 5.0E-01 XXXXX
 7.0E-01 XXXXXXXXXXXXXXXX
 1.0E+00 XXXXXXXXXXXXX
 1.5E+00 XXXXXXXXXXXXXXXX
 2.0E+00 XXXXXXXXXXXXXXXX
 3.0E+00 XXXXXXXXXXXXXXXX
 5.0E+00 XXXX
 7.0E+00 X
 1.0E+01

ANALYTICAL

VALUES

T 0.00
 G 0.00
 324

MAXIMUM = 1.00000E+01
 MINIMUM = 2.00000E-02
 GEOMETRIC MEAN = 8.25646E-01
 GEOMETRIC DEVIATION = 3.17237E+00

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 3 (S-CAZ)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	CUM	FREQ	FREQ	PERCENT	FREQ	CUM
3.8E-02	5.6E-02	1	1	0.30	99.09		
5.6E-02	8.3E-02	2	3	0.61	98.78		
8.3E-02	1.2E-01	1	4	0.30	98.17		
1.2E-01	1.8E-01	5	9	1.52	97.87		
1.8E-01	2.6E-01	5	14	1.52	96.34		
2.6E-01	3.8E-01	10	24	3.05	94.82		
3.8E-01	5.6E-01	11	35	3.35	91.77		
5.6E-01	8.3E-01	21	56	6.40	88.41		
8.3E-01	1.2E+00	29	85	8.84	82.01		
1.2E+00	1.8E+00	94	179	28.66	73.17		
1.8E+00	2.6E+00	48	227	14.63	44.51		
2.6E+00	3.8E+00	51	278	15.55	29.88		
3.8E+00	5.6E+00	24	302	7.32	14.33		
5.6E+00	8.3E+00	13	315	3.96	7.01		
8.3E+00	1.2E+01	9	324	2.74	3.05		
1.2E+01	1.8E+01	1	325	0.30	0.30		

HISTOGRAM FOR COLUMN 3 (S-CAZ)

```

7.0E-02 X
1.0E-01
1.5E-01 XX
2.0E-01 XX
3.0E-01 XXX
5.0E-01 XXX
7.0E-01 XXXXX
1.0E+00 XXXXXXXX
1.5E+00 XXXXXXXXXXXXXXXXXXXXXXXX
2.0E+00 XXXXXXXXXXXXXXXX
3.0E+00 XXXXXXXXXXXXXXXX
5.0E+00 XXXXXX
7.9E+00 XXXX
1.0E+01 XXX
1.5E+01

```

N	L	H	B	T	G	ANALYTICAL VALUES
0	3	0	0	0	0	325
0.00	0.91			0.00	0.00	

MAXIMUM = 1.50010E+01
 MINIMUM = 5.00000E-02
 GEOMETRIC MEAN = 1.63339E+00
 GEOMETRIC DEVIATION = 2.49184E+00

TITLE

BRADFIELD CANAL, USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 4 (S-TIZ)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER	CUM	FREQ	FREQ	CUM
1.8E-03	2.6E-03	0	0	0.00	99.39
2.6E-03	3.8E-03	0	0	0.00	99.39
3.8E-03	5.6E-03	1	1	0.30	99.39
5.6E-03	8.3E-03	0	1	0.00	99.09
8.3E-03	1.2E-02	0	1	0.00	99.09
1.2E-02	1.8E-02	5	6	1.52	99.09
1.8E-02	2.6E-02	2	8	0.61	97.56
2.6E-02	3.8E-02	9	17	2.74	96.95
3.8E-02	5.6E-02	3	20	0.91	94.21
5.6E-02	8.3E-02	6	26	1.83	93.29
8.3E-02	1.2E-01	12	38	3.66	91.46
1.2E-01	1.8E-01	49	87	14.94	87.80
1.8E-01	2.6E-01	51	138	15.55	72.87
2.6E-01	3.8E-01	75	213	22.87	57.32
3.8E-01	5.6E-01	64	277	19.51	34.45
5.6E-01	8.3E-01	33	310	10.06	14.94
8.3E-01	1.2E+00	14	324	4.27	4.88

HISTOGRAM FOR COLUMN 4 (S-TIZ)

1.5E-02 XX
 2.0E-02 X
 3.0E-02 XXX
 5.0E-02 X
 7.0E-02 XX
 1.0E-01 XXXX
 1.5E-01 XXXXXXXXXXXXXXXX
 2.0E-01 XXXXXXXXXXXXXXXX
 3.0E-01 XXXXXXXXXXXXXXXX
 5.0E-01 XXXXXXXXXXXXXXXX
 7.0E-01 XXXXXXXX
 1.0E+00 XXXX

N	L	H	R	T	G	ANALYTICAL VALUES
0	2	0	0	0	2	324
0.00	0.61			0.00	0.61	

MAXIMUM = 1.00000E+00
 MINIMUM = 5.00000E-03
 GEOMETRIC MEAN = 2.57388E-01
 GEOMETRIC DEVIATION = 2.39273E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA
FREQUENCY TABLE FOR COLUMN 5 (S-MN)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	CUM	FREQ	CUM
8.3E+00 -	1.2E+01	1	1	0.30	100.00		
1.2E+01 -	1.8E+01	0	1	0.00	99.70		
1.8E+01 -	2.6E+01	0	1	0.00	99.70		
2.6E+01 -	3.8E+01	0	1	0.00	99.70		
3.8E+01 -	5.6E+01	2	3	0.61	99.70		
5.6E+01 -	8.3E+01	0	3	0.00	99.09		
8.3E+01 -	1.2E+02	3	6	0.91	99.09		
1.2E+02 -	1.8E+02	12	18	3.66	98.17		
1.8E+02 -	2.6E+02	18	36	5.49	94.51		
2.6E+02 -	3.8E+02	55	91	16.77	89.02		
3.8E+02 -	5.6E+02	43	134	13.11	72.26		
5.6E+02 -	8.3E+02	90	224	27.44	59.15		
8.3E+02 -	1.2E+03	54	278	16.46	31.71		
1.2E+03 -	1.8E+03	33	311	10.06	15.24		
1.8E+03 -	2.6E+03	11	322	3.35	5.18		
2.6E+03 -	3.8E+03	4	326	1.22	1.83		
3.8E+03 -	5.6E+03	2	328	0.61	0.61		

HISTOGRAM FOR COLUMN 5 (S-MN)

5.0E+01 X
7.0E+01
1.0E+02 X
1.5E+02 XXXX
2.0E+02 XXXXX
3.0E+02 XXXXXXXXXXXXXXXX
5.0E+02 XXXXXXXXXXXXXXXX
7.0E+02 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E+03 XXXXXXXXXXXXXXXXXXXXXXXX
1.5E+03 XXXXXXXXXXXX
2.0E+03 XXX
3.0E+03 X
5.0E+03 X

ANALYTICAL		VALUES	
N	L	H	B
0	0	0	0
0.00	0.00	0.00	0.00

MAXIMUM = 5.00010E+03
MINIMUM = 1.00000E+01
GEOMETRIC MEAN = 5.97830E+02
GEOMETRIC DEVIATION = 2.14578E+00

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 6 (S-AG)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER - UPPER		CUM	FREQ	FREQ	CUM
3.8E-01 -	5.6E-01	5	5	1.52	9.15
5.6E-01 -	8.3E-01	7	12	2.13	7.62
8.3E-01 -	1.2E+00	2	14	0.61	5.49
1.2E+00 -	1.8E+00	4	18	1.22	4.88
1.8E+00 -	2.6E+00	0	18	0.00	3.66
2.6E+00 -	3.8E+00	1	19	0.30	3.66
3.8E+00 -	5.6E+00	0	19	0.00	3.35
5.6E+00 -	8.3E+00	1	20	0.30	3.35
8.3E+00 -	1.2E+01	0	20	0.00	3.05
1.2E+01 -	1.8E+01	2	22	0.61	3.05
1.8E+01 -	2.6E+01	0	22	0.00	2.44
2.6E+01 -	3.8E+01	3	25	0.91	2.44
3.8E+01 -	5.6E+01	0	25	0.00	1.52
5.6E+01 -	8.3E+01	2	27	0.61	1.52
8.3E+01 -	1.2E+02	0	27	0.00	0.91
1.2E+02 -	1.8E+02	1	28	0.30	0.91
1.8E+02 -	2.6E+02	1	29	0.30	0.61
2.6E+02 -	3.8E+02	1	30	0.30	0.30

HISTOGRAM FOR COLUMN 6 (S-AG)

5.0E-01 XX
7.0E-01 XX
1.0E+00 X
1.5E+00 X
2.0E+00
3.0E+00
5.0E+00
7.0E+00
1.0E+01
1.5E+01 X
2.0E+01
3.0E+01 X
5.0E+01
7.0E+01 X
1.0E+02
1.5E+02
2.0E+02
3.0E+02

N	L	H	B	T	G	ANALYTICAL VALUES
283	15	0	0	0	0	30
86.28	4.57			0.00	0.00	

MAXIMUM = 3.00000E+02
MINIMUM = 5.00000E-01
GEOMETRIC MEAN = 3.64902E+00
GEOMETRIC DEVIATION = 8.29887E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 7 (S-AS)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
1.8E+02	2.6E+02	0	0	0.00	0.91
2.6E+02	3.8E+02	0	0	0.00	0.91
3.8E+02	5.6E+02	0	0	0.00	0.91
5.6E+02	8.3E+02	1	1	0.30	0.91
8.3E+02	1.2E+03	0	1	0.00	0.61
1.2E+03	1.8E+03	1	2	0.30	0.61
1.8E+03	2.6E+03	0	2	0.00	0.30
2.6E+03	3.8E+03	0	2	0.00	0.30
3.8E+03	5.6E+03	0	2	0.00	0.30
5.6E+03	8.3E+03	0	2	0.00	0.30
8.3E+03	1.2E+04	1	3	0.30	0.30

HISTOGRAM FOR COLUMN 7 (S-AS)

N	L	H	B	T	G	ANALYTICAL VALUES
311	14	0	0	0	0	3
94.82	4.27			0.00	0.00	

MAXIMUM = 1.00001E+04
MINIMUM = 7.00010E+02
GEOMETRIC MEAN = 2.18983E+03
GEOMETRIC DEVIATION = 3.93296E+00

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 8 (S-AU)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER - UPPER		CUM	FREQ	FREQ	CUM
8.3E+00 -	1.2E+01	0	0	0.00	0.61
1.2E+01 -	1.8E+01	1	1	0.30	0.61
1.8E+01 -	2.6E+01	0	1	0.00	0.30
2.6E+01 -	3.8E+01	1	2	0.30	0.30

HISTOGRAM FOR COLUMN 8 (S-AU)

LIMITS		L	H	B	T	ANALYTICAL
						VALUES
N						
326	0	0	0	0	0	2
99.39	0.00				0.00	0.00

MAXIMUM = 3.00010E+01
 MINIMUM = 1.50010E+01
 GEOMETRIC MEAN = 2.12143E+01
 GEOMETRIC DEVIATION = 1.63249E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 9 (S-B)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER	CUM	FREQ	FREQ	CUM
8.3E+00	1.2E+01	8	2.44	8.54	
1.2E+01	1.8E+01	4	1.22	6.10	
1.8E+01	2.6E+01	3	0.91	4.88	
2.6E+01	3.8E+01	9	2.74	3.96	
3.8E+01	5.6E+01	1	0.30	1.22	
5.6E+01	8.3E+01	1	0.30	0.91	
8.3E+01	1.2E+02	1	0.30	0.61	
1.2E+02	1.8E+02	1	0.30	0.30	

HISTOGRAM FOR COLUMN 9 (S-B)

1.0E+01 XX
1.5E+01 X
2.0E+01 X
3.0E+01 XXX
5.0E+01
7.0E+01
1.0E+02
1.5E+02

N	L	H	B	T	G	ANALYTICAL VALUES
153	147	0	0	0	0	28
46.65	44.82			0.00	0.00	

MAXIMUM = 1.50010E+02
MINIMUM = 1.00000E+01
GEOMETRIC MEAN = 2.20620E+01
GEOMETRIC DEVIATION = 2.07803E+00

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 10 (S-BA)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	CUM	FREQ	CUM
1.8E+01	2.6E+01	2	2	0.61	99.09	99.09	
2.6E+01	3.8E+01	4	6	1.22	98.48	98.48	
3.8E+01	5.6E+01	2	8	0.61	97.26	97.26	
5.6E+01	8.3E+01	4	12	1.22	96.65	96.65	
8.3E+01	1.2E+02	0	12	0.00	95.43	95.43	
1.2E+02	1.8E+02	9	21	2.74	95.43	95.43	
1.8E+02	2.6E+02	9	30	2.74	92.68	92.68	
2.6E+02	3.8E+02	8	38	2.44	89.94	89.94	
3.8E+02	5.6E+02	10	48	3.05	87.50	87.50	
5.6E+02	8.3E+02	33	81	10.06	84.45	84.45	
8.3E+02	1.2E+03	41	122	12.50	74.39	74.39	
1.2E+03	1.8E+03	115	237	35.06	61.89	61.89	
1.8E+03	2.6E+03	40	277	12.20	26.83	26.83	
2.6E+03	3.8E+03	32	309	9.76	14.63	14.63	
3.8E+03	5.6E+03	9	318	2.74	4.88	4.88	

HISTOGRAM FOR COLUMN 10 (S-BA)

```

2.0E+01 X
3.0E+01 X
5.0E+01 X
7.0E+01 X
1.0E+02
1.5E+02 XXX
2.0E+02 XXX
3.0E+02 XX
5.0E+02 XXX
7.0E+02 XXXXXXXXXX
1.0E+03 XXXXXXXXXXXXXXXX
1.5E+03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E+03 XXXXXXXXXXXXXXXX
3.0E+03 XXXXXXXXXXXXX
5.0E+03 XXX

```

N	L	H	B	T	C	ANALYTICAL VALUES
0	3	0	0	0	7	318
0.00	0.91	0	0	0.00	2.13	

MAXIMUM = 5.00010E+03
 MINIMUM = 2.00010E+01
 GEOMETRIC MEAN = 1.08396E+03
 GEOMETRIC DEVIATION = 2.64682E+00

TITLE
BRADFELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 11 (S-BE)

LIMITS		FREQ	FREQ CUM	PERCENT	PERCENT FREQ CUM
LOWER - UPPER					
8.3E-01 -	1.2E+00	134	134	40.85	63.11
1.2E+00 -	1.8E+00	55	189	16.77	22.26
1.8E+00 -	2.6E+00	14	203	4.27	5.49
2.6E+00 -	3.8E+00	4	207	1.22	1.22

HISTOGRAM FOR COLUMN 11 (S-BE)

1.0E+00 XX
1.5E+00 XXXXXXXXXXXXXXXXXXXXXXX
2.0E+00 XXXX
3.0E+00 X

N		L	H	B	T	G	ANALYTICAL VALUES
13	108	0	0	0	0	0	207
3.96	32.93				0.00	0.00	

MAXIMUM = 3.00000E+00
MINIMUM = 1.00000E+00
GEOMETRIC MEAN = 1.19225E+00
GEOMETRIC DEVIATION = 1.30019E+00

TITLE

BRADFELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 12 (S-BI)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
8.3E+00	1.2E+01	2	2	0.61	1.83
1.2E+01	1.8E+01	2	4	0.61	1.22
1.8E+01	2.6E+01	1	5	0.30	0.61
2.6E+01	3.8E+01	0	5	0.00	0.30
3.8E+01	5.6E+01	0	5	0.00	0.30
5.6E+01	8.3E+01	1	6	0.30	0.30

HISTOGRAM FOR COLUMN 12 (S-BI)

1.0E+01 X
 1.5E+01 X
 2.0E+01
 3.0E+01
 5.0E+01
 7.0E+01

N	L	H	B	T	G	ANALYTICAL VALUES
319	3	0	0	0	0	6
97.26	0.91			0.00	0.00	

MAXIMUM = 7.00010E+01
 MINIMUM = 1.00000E+01
 GEOMETRIC MEAN = 1.77719E+01
 GEOMETRIC DEVIATION = 2.06016E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 14 (S-CO)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER	CUM	FREQ	FREQ	CUM
3.8E+00 -	5.6E+00	30	30	9.15	55.49
5.6E+00 -	8.3E+00	37	67	11.28	46.34
8.3E+00 -	1.2E+01	29	96	8.84	35.06
1.2E+01 -	1.8E+01	35	131	10.67	26.22
1.8E+01 -	2.6E+01	17	148	5.18	15.55
2.6E+01 -	3.8E+01	27	175	8.23	10.37
3.8E+01 -	5.6E+01	3	178	0.91	2.13
5.6E+01 -	8.3E+01	1	179	0.30	1.22
8.3E+01 -	1.2E+02	2	181	0.61	0.91
1.2E+02 -	1.8E+02	0	181	0.00	0.30
1.8E+02 -	2.6E+02	0	181	0.00	0.30
2.6E+02 -	3.8E+02	0	181	0.00	0.30
3.8E+02 -	5.6E+02	0	181	0.00	0.30
5.6E+02 -	8.3E+02	0	181	0.00	0.30
8.3E+02 -	1.2E+03	1	182	0.30	0.30

HISTOGRAM FOR COLUMN 14 (S-CO)

5.0E+00 XXXXXXXXX
7.0E+00 XXXXXXXXXXXX
1.0E+01 XXXXXXXXXX
1.5E+01 XXXXXXXXXXXX
2.0E+01 XXXXX
3.0E+01 XXXXXXXXX
5.0E+01 X
7.0E+01
1.0E+02 X
1.5E+02
2.0E+02
3.0E+02
5.0E+02
7.0E+02
-- 1.0E+03

N	L	H	B	T	G	ANALYTICAL
						VALUES
119	27	0	0	0	0	182
36.28	8.23			0.00	0.00	

MAXIMUM = 1.00001E+03
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 1.22972E+01
GEOMETRIC DEVIATION = 2.11239E+00

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 15 (S-CR)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
8.3E+00	1.2E+01	28	28	8.54	55.18
1.2E+01	1.8E+01	42	70	12.80	46.65
1.8E+01	2.6E+01	15	85	4.57	33.84
2.6E+01	3.8E+01	29	114	8.84	29.27
3.8E+01	5.6E+01	16	130	4.88	20.43
5.6E+01	8.3E+01	22	152	6.71	15.55
8.3E+01	1.2E+02	10	162	3.05	8.84
1.2E+02	1.8E+02	6	168	1.83	5.79
1.8E+02	2.6E+02	3	171	0.91	3.96
2.6E+02	3.8E+02	3	174	0.91	3.05
3.8E+02	5.6E+02	0	174	0.00	2.13
5.6E+02	8.3E+02	2	176	0.61	2.13
8.3E+02	1.2E+03	1	177	0.30	1.52
1.2E+03	1.8E+03	1	178	0.30	1.22

HISTOGRAM FOR COLUMN 15 (S-CR)

```

1.0E+01 XXXXXXXX
1.5E+01 XXXXXXXXXX
2.0E+01 XXXXX
3.0E+01 XXXXXXXXXX
5.0E+01 XXXXX
7.0E+01 XXXXXXXX
1.0E+02 XXX
1.5E+02 XX
2.0E+02 X
3.0E+02 X
5.0E+02
7.0E+02 X
1.0E+03
1.5E+03

```

N	L	H	B	T	G	ANALYTICAL VALUES
108	39	0	0	0	0	181
32.93	11.89			0.00	0.00	

MAXIMUM = 1.50010E+03
 MINIMUM = 5.00000E+00
 GEOMETRIC MEAN = 3.06432E+01
 GEOMETRIC DEVIATION = 2.78661E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA
FREQUENCY TABLE FOR COLUMN 16 (S-CU)

LIMITS		FREQ	FREQ	PERCENT	PERCENT
LOWER	UPPER	CUM	CUM	FREQ	FREQ CUM
3.8E+00 -	5.6E+00	16	16	4.88	78.66
5.6E+00 -	8.3E+00	16	32	4.88	73.78
8.3E+00 -	1.2E+01	17	49	5.18	68.90
1.2E+01 -	1.8E+01	35	84	10.67	63.72
1.8E+01 -	2.6E+01	31	115	9.45	53.05
2.6E+01 -	3.8E+01	59	174	17.99	43.60
3.8E+01 -	5.6E+01	28	202	8.54	25.61
5.6E+01 -	8.3E+01	16	218	4.88	17.07
8.3E+01 -	1.2E+02	10	228	3.05	12.20
1.2E+02 -	1.8E+02	7	235	2.13	9.15
1.8E+02 -	2.6E+02	10	245	3.05	7.01
2.6E+02 -	3.8E+02	4	249	1.22	3.96
3.8E+02 -	5.6E+02	2	251	0.61	2.74
5.6E+02 -	8.3E+02	3	254	0.91	2.13
8.3E+02 -	1.2E+03	1	255	0.30	1.22
1.2E+03 -	1.8E+03	1	256	0.30	0.91
1.8E+03 -	2.6E+03	1	257	0.30	0.61
2.6E+03 -	3.8E+03	1	258	0.30	0.30

HISTOGRAM FOR COLUMN 16 (S-CU)

5.0E+00 XXXXX
7.0E+00 XXXXX
1.0E+01 XXXXX
1.5E+01 XXXXXXXXXXXX
2.0E+01 XXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXXXXXXXXXX
5.0E+01 XXXXXXXXXXXX
7.0E+01 XXXXX
1.0E+02 XXX
1.5E+02 XX
2.0E+02 XXX
3.0E+02 X
5.0E+02 X
7.0E+02 X
1.0E+03
1.5E+03
2.0E+03
3.0E+03

ANALYTICAL		VALUES	
N	L	H	B
8	62	0	0
2.44	18.90	0.00	0.00

MAXIMUM = 3.00010E+03
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 3.03740E+01
GEOMETRIC DEVIATION = 3.20323E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FRQUENCY TABLE FOR COLUMN 17 (S-LA)

LIMITS		FREQ		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	PERCENT
1.8E+01	2.6E+01	71	71	21.65	51.83
2.6E+01	3.8E+01	52	123	15.85	30.18
3.8E+01	5.6E+01	15	138	4.57	14.33
5.6E+01	8.3E+01	20	158	6.10	9.76
8.3E+01	1.2E+02	5	163	1.52	3.66
1.2E+02	1.8E+02	6	169	1.83	2.13
1.8E+02	2.6E+02	0	169	0.00	0.30
2.6E+02	3.8E+02	1	170	0.30	0.30

HISTOGRAM FOR COLUMN 17 (S-LA)

2.0E+01 XXXXXXXXXXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXXXXXXXXXX
5.0E+01 XXXXX
7.0E+01 XXXXX
1.0E+02 XX
1.5E+02 XX
2.0E+02
3.0E+02

N		L	H	B	T	ANALYTICAL	
80	78	0	0	0	0	G	VALUES
24.39	23.78				0.00		170

MAXIMUM = 3.00000E+02
MINIMUM = 2.00010E+01
GEOMETRIC MEAN = 3.25380E+01
GEOMETRIC DEVIATION = 1.78661E+00

TITLE

BRADFIELd CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 18 (S-MO)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	CUM	FREQ	CUM
3.8E+00	5.6E+00	6	6	1.83	10.06		
5.6E+00	8.3E+00	3	9	0.91	8.23		
8.3E+00	1.2E+01	4	13	1.22	7.32		
1.2E+01	1.8E+01	6	19	1.83	6.10		
1.8E+01	2.6E+01	3	22	0.91	4.27		
2.6E+01	3.8E+01	8	30	2.44	3.35		
3.8E+01	5.6E+01	0	30	0.00	0.91		
5.6E+01	8.3E+01	2	32	0.61	0.91		
8.3E+01	1.2E+02	0	32	0.00	0.30		
1.2E+02	1.8E+02	1	33	0.30	0.30		

HISTOGRAM FOR COLUMN 18 (S-MO)

5.0E+00 XX
7.0E+00 X
1.0E+01 X
1.5E+01 XX
2.0E+01 X
3.0E+01 XX
5.0E+01
7.0E+01 X
1.0E+02
1.5E+02

N	L	H	B	T	ANALYTICAL VALUES	
263	32	0	0	0	G	33
80.18	9.76			0.00		0.00

MAXIMUM = 1.50010E+02
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 1.55992E+01
GEOMETRIC DEVIATION = 2.36594E+00

TITLE

BRADFIELD CANAL UNGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 19 (S=NR)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER - UPPER					
8.3E+00 -	1.2E+01	131	131	39.94	42.68
1.2E+01 -	1.8E+01	4	135	1.22	2.74
1.8E+01 -	2.6E+01	2	137	0.61	1.52
2.6E+01 -	3.8E+01	1	138	0.30	0.91
3.8E+01 -	5.6E+01	1	139	0.30	0.61
5.6E+01 -	8.3E+01	1	140	0.30	0.30

HISTOGRAM FOR COLUMN 19 (S=NR)

1.0E+01 XX
 1.5E+01 X
 2.0E+01 X
 3.0E+01
 5.0E+01
 7.0E+01

N	I.	H	B	T	G	ANALYTICAL VALUES
54	134	0	0	0	0	140
16.46	40.85			0.00	0.00	

MAXIMUM = 7.00010E+01
 MINIMUM = 1.00000E+01
 GEOMETRIC MEAN = 1.05626E+01
 GEOMETRIC DEVIATION = 1.28579E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN# 20 (S=NT)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	CUM	FREQ	FREQ	CUM	FREQ	CUM
3.8E+00	5.6E+00	43	43	13.11	50.61	50.61	
5.6E+00	8.1E+00	17	60	5.18	37.50	37.50	
8.3E+00	1.2E+01	17	77	5.18	32.32	32.32	
1.2E+01	1.8E+01	22	99	6.71	27.13	27.13	
1.8E+01	2.6E+01	18	117	5.49	20.43	20.43	
2.6E+01	3.8E+01	13	130	3.96	14.94	14.94	
3.8E+01	5.6E+01	14	144	4.27	10.98	10.98	
5.6E+01	8.3E+01	14	158	4.27	6.71	6.71	
8.3E+01	1.2E+02	5	163	1.52	2.44	2.44	
1.2E+02	1.8E+02	2	165	0.61	0.91	0.91	
1.8E+02	2.6E+02	0	165	0.00	0.30	0.30	
2.6E+02	3.8E+02	1	166	0.30	0.30	0.30	

HISTOGRAM FOR COLUMN# 20 (S=NT)

5.0E+00 XXXXXXXXXXXXXXXX
7.0E+00 XXXXX
1.0E+01 XXXXX
1.5E+01 XXXXXXXX
2.0E+01 XXXXX
3.0E+01 XXXX
5.0E+01 XXXX
7.0E+01 XXXX
1.0E+02 XX
1.5E+02 X
2.0E+02
3.0E+02

ANALYTICAL		VALUES	
N	L	H	G
43	119	0	0
13.11	36.28	0.00	0.00

MAXIMUM = 3.00000E+02
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 1.52378E+01
GEOMETRIC DEVIATION = 2.70473E+00

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 21 (S-PP)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
8.3E+00 -	1.2E+01	33	33	10.06		91.77	
1.2E+01 -	1.8E+01	85	118	25.91		81.71	
1.8E+01 -	2.4E+01	48	166	14.63		55.79	
2.6E+01 -	3.8E+01	74	240	22.56		41.16	
3.8E+01 -	5.6E+01	27	267	8.23		18.60	
5.6E+01 -	8.3E+01	21	288	6.40		10.37	
8.3E+01 -	1.2E+02	0	288	0.00		3.96	
1.2E+02 -	1.8E+02	2	290	0.61		3.96	
1.8E+02 -	2.4E+02	1	291	0.30		3.35	
2.6E+02 -	3.8E+02	0	291	0.00		3.05	
3.8E+02 -	5.6E+02	0	291	0.00		3.05	
5.6E+02 -	8.3E+02	0	291	0.00		3.05	
8.3E+02 -	1.2E+03	1	292	0.30		3.05	
1.2E+03 -	1.8E+03	3	295	0.91		2.74	
1.8E+03 -	2.4E+03	1	296	0.30		1.83	
2.6E+03 -	3.8E+03	0	296	0.00		1.52	
3.8E+03 -	5.6E+03	0	296	0.00		1.52	
5.6E+03 -	8.3E+03	1	297	0.30		1.52	
8.3E+03 -	1.2E+04	0	297	0.00		1.22	
1.2E+04 -	1.8E+04	0	297	0.00		1.22	
1.8E+04 -	2.4E+04	1	298	0.30		1.22	

HISTOGRAM FOR COLUMN 21 (S-PP)

```

1.0E+01 XXXXXXXXXXXX
1.5E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E+01 XXXXXXXXXXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E+01 XXXXXXXXX
7.0E+01 XXXXXX
1.5E+02 X
2.0E+02
3.0E+02
5.0E+02
7.0E+02
1.0E+03
1.5E+03 X
2.0E+03
3.0E+03
5.0E+03
7.0E+03
1.0E+04
1.5E+04
2.0E+04

```

N	L	H	B	T	G	ANALYTICAL VALUES
9	1R	0	0	0	3	298
2.74	5.40			0.00	0.91	

MAXIMUM = 2.00010E+04
 MINIMUM = 1.00000E+01
 GEOMETRIC MEAN = 2.56637E+01
 GEOMETRIC DEVIATION = 2.54005E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA
FREQUENCY TABLE FOR COLUMN 22 (S-SB)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
0.3E+01 -	1.2E+02	0	0	0.00	0.00	0.61	0.61
1.2E+02 -	1.8E+02	1	1	0.30	0.30	0.61	0.61
1.8E+02 -	2.6E+02	0	1	0.00	0.00	0.30	0.30
2.6E+02 -	3.8E+02	0	1	0.00	0.00	0.30	0.30
3.8E+02 -	5.6E+02	1	2	0.30	0.30	0.30	0.30

HISTOGRAM FOR COLUMN 22 (S-SB)

ANALYTICAL		VALUES	
		2	
U	L	B	T
323	3	0	0
98.48	0.91	0	0.00

MAXIMUM = 5.00010E+02
MINIMUM = 1.50010E+02
GEOMETRIC MEAN = 2.73873E+02
GEOMETRIC DEVIATION = 2.34270E+00

TITLE

BRADFIELD CANAL USGS PUCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 23 (S-SC)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E+00	5.6E+00	20	20	6.10	64.94
5.6E+00	8.3E+00	32	52	9.76	58.84
8.3E+00	1.2E+01	33	85	10.06	49.09
1.2E+01	1.8E+01	60	145	18.29	39.02
1.8E+01	2.6E+01	30	175	9.15	20.73
2.6E+01	3.8E+01	28	203	8.54	11.59
3.8E+01	5.6E+01	9	212	2.74	3.05
5.6E+01	8.3E+01	1	213	0.30	0.30

HISTOGRAM FOR COLUMN 23 (S-SC)

```

5.0E+00 XXXXX
7.0E+00 XXXXXXXXXXXX
1.0E+01 XXXXXXXXXXXX
1.5E+01 XXXXXXXXXXXXXXXXXXXX
2.0E+01 XXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXX
5.0E+01 XXX
7.0E+01

```

N	U	H	B	T	ANALYTICAL VALUES
26.93	27	0	0	0	213
	4.23			0.00	0.00

MAXIMUM = 7.00010E+01
 MINIMUM = 5.00000E+00
 GEOMETRIC MEAN = 1.36993E+01
 GEOMETRIC DEVIATION = 1.83238E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA
FREQUENCY TABLE FOR COLUMN 25 (S-SR)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
9.3E+01 -	1.2E+02	7	7	2.13		93.29	
1.2E+02 -	1.8E+02	13	20	3.66		91.16	
1.8E+02 -	2.6E+02	12	32	3.66		87.20	
2.6E+02 -	3.8E+02	48	80	14.63		83.54	
3.8E+02 -	5.6E+02	52	132	15.85		68.90	
5.6E+02 -	8.3E+02	101	233	30.79		53.05	
8.3E+02 -	1.2E+03	33	266	10.06		22.26	
1.2E+03 -	1.8E+03	33	299	10.06		12.20	
1.8E+03 -	2.6E+03	5	304	1.52		2.13	
2.6E+03 -	3.8E+03	1	305	0.30		0.61	
3.8E+03 -	5.6E+03	1	306	0.30		0.30	

HISTOGRAM FOR COLUMN 25 (S-SR)

1.0E+02 XX
1.5E+02 XXX
2.0E+02 XXXX
3.0E+02 XXXXXXXXXXXXX
5.0E+02 XXXXXXXXXXXXXXX
7.0E+02 XXXXXXXXXXXXXXX
1.0E+03 XXXXXXXXXXXXX
1.5E+03 XXXXXXXXXXXXX
2.0E+03 XX
3.0E+03
5.0E+03

ANALYTICAL		VALUES	
N		G	
7	15	0	0
2.13	4.57	0.00	0.00

MAXIMUM = 5.00010E+03
MINIMUM = 1.00001E+02
GEOMETRIC MEAN = 5.73019E+02
GEOMETRIC DEVIATION = 1.96486E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 26 (S-V)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
8.3E+00	1.2E+01	12	12	3.66	100.00
1.2E+01	1.8E+01	23	35	7.01	96.34
1.8E+01	2.6E+01	14	49	4.27	89.33
2.6E+01	3.8E+01	36	85	10.98	85.06
3.8E+01	5.6E+01	30	115	9.15	74.09
5.6E+01	8.3E+01	41	156	12.50	64.94
8.3E+01	1.2E+02	29	185	8.84	52.44
1.2E+02	1.8E+02	80	265	24.39	43.60
1.8E+02	2.6E+02	26	291	7.93	19.21
2.6E+02	3.8E+02	26	317	7.93	11.28
3.8E+02	5.6E+02	8	325	2.44	3.35
5.6E+02	8.3E+02	3	328	0.91	0.91

HISTOGRAM FOR COLUMN 26 (S-V)

```

1.0E+01 XXXX
1.5E+01 XXXXXX
2.0E+01 XXXX
3.0E+01 XXXXXXXXXXXX
5.0E+01 XXXXXXXXXX
7.0E+01 XXXXXXXXXXXX
1.0E+02 XXXXXXXXXX
1.5E+02 XXXXXXXXXXXXXXXXXXXX
2.0E+02 XXXXXXXXXX
3.0E+02 XXXXXXXXXX
5.0E+02 XX
7.0E+02 X

```

ANALYTICAL VALUES			
N	L	H	T
0	-0	0	0
0.00	0.00	0	0.00
		G	328
		0	0.00

MAXIMUM = 7.00010E+02
 MINIMUM = 1.00000E+01
 GEOMETRIC MEAN = 7.96061E+01
 GEOMETRIC DEVIATION = 2.71627E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA
FREQUENCY TABLE FOR COLUMN 28 (S-Y)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
8.3E+00 -	1.2E+01	64	64	19.51		74.09	
1.2E+01 -	1.9E+01	76	140	23.17		54.57	
1.8E+01 -	2.6E+01	62	202	18.90		31.40	
2.6E+01 -	3.8E+01	28	230	8.54		12.50	
3.8E+01 -	5.6E+01	7	237	2.13		3.96	
5.6E+01 -	8.3E+01	6	243	1.83		1.83	

HISTOGRAM FOR COLUMN 28 (S-Y)

1.0E+01 XXXXXXXXXXXXXXXXXXXX
1.5E+01 XXXXXXXXXXXXXXXXXXXX
2.0E+01 XXXXXXXXXXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXX
5.0E+01 XX
7.0E+01 XX

ANALYTICAL		VALUES	
N	L	H	T
51	34	0	0
15.55	10.37		0.00

MAXIMUM = 7.00010E+01
MINIMUM = 1.00000E+01
GEOMETRIC MEAN = 1.68995E+01
GEOMETRIC DEVIATION = 1.57573E+00

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 29 (S-ZN)

LIMITS		FREQ	FREQ CUM	PERCENT	PERCENT FREQ CUM
LOWER - UPPER					
1.8E+02 -	2.6E+02	2	2	0.61	1.83
2.6E+02 -	3.4E+02	2	4	0.61	1.22
3.4E+02 -	5.6E+02	2	6	0.61	0.61

HISTOGRAM FOR COLUMN 29 (S-ZN)

2.0E+02 X
3.0E+02 X
5.0E+02 X

N	U	H	B	T	G	ANALYTICAL VALUES
293	29	0	0	0	0	6
80.33	5.84			0.00	0.00	

MAXIMUM = 5.00010E+02
MINIMUM = 2.00010E+02
GEOMETRIC MEAN = 3.10730E+02
GEOMETRIC DEVIATION = 1.50782E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 30 (S-ZR)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER - UPPER		CUM		FREQ		FREQ CUM	
R.3E+00	1.2E+01	0	0	0.00		96.95	
1.2E+01	1.8E+01	0	0	0.00		96.95	
1.8E+01	2.6E+01	4	4	1.22		96.95	
2.6E+01	3.8E+01	10	14	3.05		95.73	
3.8E+01	5.6E+01	23	37	7.01		92.68	
5.6E+01	8.3E+01	94	131	28.66		85.67	
8.3E+01	1.2E+02	50	181	15.24		57.01	
1.2E+02	1.8E+02	58	239	17.68		41.77	
1.8E+02	2.6E+02	44	283	13.41		24.09	
2.6E+02	3.8E+02	28	311	8.54		10.67	
3.8E+02	5.6E+02	4	315	1.22		2.13	
5.6E+02	8.3E+02	1	316	0.30		0.91	
8.3E+02	1.2E+03	2	318	0.61		0.61	

HISTOGRAM FOR COLUMN 30 (S-ZR)

2.0E+01 X
3.0E+01 XXX
5.0E+01 XXXXXX
7.0E+01 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E+02 XXXXXXXXXXXXXXXX
1.5E+02 XXXXXXXXXXXXXXXX
2.0E+02 XXXXXXXXXXXXXXXX
3.0E+02 XXXXXXXX
5.0E+02 X
7.0E+02
1.0E+03 X

ANALYTICAL		VALUES	
N	L	H	B
0	10	0	0
0.00	3.05	0	0.00

MAXIMUM = 1.00001E+03
MINIMUM = 2.00010E+01
GEOMETRIC MEAN = 1.09834E+02
GEOMETRIC DEVIATION = 1.91720E+00

TITLE

RADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 31 (AA=AU-P)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER - UPPER					
1.8E-02 -	2.6E-02	1	1	0.30	4.57
2.6E-02 -	3.8E-02	0	1	0.00	4.27
3.8E-02 -	5.6E-02	1	2	0.30	4.27
5.6E-02 -	8.3E-02	0	2	0.00	3.96
8.3E-02 -	1.2E-01	2	4	0.61	3.96
1.2E-01 -	1.8E-01	1	5	0.30	3.35
1.8E-01 -	2.6E-01	1	6	0.30	3.05
2.6E-01 -	3.8E-01	0	6	0.00	2.74
3.8E-01 -	5.6E-01	0	6	0.00	2.74
5.6E-01 -	8.3E-01	1	7	0.30	2.44
8.3E-01 -	1.2E+00	1	8	0.00	2.13
1.2E+00 -	1.8E+00	0	8	0.00	2.13
1.8E+00 -	2.6E+00	1	9	0.30	1.83
2.6E+00 -	3.8E+00	1	10	0.30	1.52
3.8E+00 -	5.6E+00	1	11	0.30	1.22
5.6E+00 -	8.3E+00	1	12	0.30	0.91
8.3E+00 -	1.2E+01	0	12	0.00	0.91
1.2E+01 -	1.8E+01	2	14	0.61	0.30
1.8E+01 -	2.6E+01	1	15	0.30	

HISTOGRAM FOR COLUMN 31 (AA=AU-P)

1.0E-01 X
 1.5E-01
 2.0E-01
 3.0E-01
 5.0E-01
 7.0E-01
 1.0E+00
 1.5E+00
 2.0E+00
 3.0E+00
 5.0E+00
 7.0E+00
 1.0E+01
 1.5E+01 X
 2.0E+01

N	L	H	I	G	ANALYTICAL VALUES
285	24	0	0	0	15
86.89	8.54	0	0.00	0.00	

MAXIMUM = 2.00010E+01
 MINIMUM = 2.00000E-02
 GEOMETRIC MEAN = 9.03822E-01
 GEOMETRIC DEVIATION = 1.02270E+01

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA
FREQUENCY TABLE FOR COLUMN 32 (INST=HG)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	FREQ	CUM	FREQ	CUM	FREQ	CUM
1.6E-02	2.6E-02	73	73	25.44		25.44	
2.6E-02	3.8E-02	0	73	0.00		0.00	52.61
3.8E-02	5.6E-02	36	109	12.54		12.54	27.18
5.6E-02	8.3E-02	34	143	11.85		11.85	27.18
8.3E-02	1.2E-01	5	148	1.74		1.74	14.63
1.2E-01	1.8E-01	1	149	0.35		0.35	2.79
1.8E-01	2.6E-01	1	150	0.35		0.35	1.05
2.6E-01	3.8E-01	0	150	0.00		0.00	0.70
3.8E-01	5.6E-01	1	151	0.35		0.35	0.35

HISTOGRAM FOR COLUMN 32 (INST=HG)

2.0E-02 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E-02
5.0E-02 XXXXXXXXXXXXXXX
7.0E-02 XXXXXXXXXXXXXXX
1.0E-01 XX
1.5E-01
2.0E-01
3.0E-01
5.0E-01

N	L	H	B	T	G	ANALYTICAL VALUES
73	63	0	41	0	0	151
25.44	21.95			0.00	0.00	

MAXIMUM = 5.50000E-01
MINIMUM = 2.00000E-02
GEOMETRIC MEAN = 3.43400E-02
GEOMETRIC DEVIATION = 1.85439E+00

TITLE

BRADFIELD CANAL URGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 33 (AA-CU-P)

LIMITS		FREQ		PERCENT		PERCENT	
LOWER	UPPER	CUM	FREQ	FREQ	CUM	FREQ	CUM
3.8E+00	5.6E+00	74	74	25.78	79.79		
5.6E+00	8.3E+00	0	74	0.00	54.01		
8.3E+00	1.2E+01	46	120	16.03	54.01		
1.2E+01	1.8E+01	26	146	9.06	37.98		
1.8E+01	2.6E+01	24	170	8.36	28.92		
2.6E+01	3.8E+01	9	179	3.14	20.56		
3.8E+01	5.6E+01	15	194	5.23	17.42		
5.6E+01	8.3E+01	14	208	4.88	12.20		
8.3E+01	1.2E+02	14	222	4.88	7.32		
1.2E+02	1.8E+02	5	227	1.74	2.44		
1.8E+02	2.6E+02	0	227	0.00	0.70		
2.6E+02	3.8E+02	1	228	0.35	0.70		
3.8E+02	5.6E+02	1	229	0.35	0.35		

HISTOGRAM FOR COLUMN 33 (AA-CU-P)

```

5.0E+00 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
7.0E+00
1.0E+01 XXXXXXXXXXXXXXXXXXXXXXXX
1.5E+01 XXXXXXXXXXXX
2.0E+01 XXXXXXXX
3.0E+01 XXX
5.0E+01 XXXXX
7.0E+01 XXXXX
1.0E+02 XXXXX
1.5E+02 XX
2.0E+02
3.0E+02
5.0E+02

```

N	L	H	R	T	G	ANALYTICAL
0	58	0	41	0	0	VALUES
0.00	20.21			0.00	0.00	229

```

MAXIMUM = 4.20010E+02
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 1.50162E+01
GEOMETRIC DEVIATION = 2.89449E+00

```

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA
FREQUENCY TABLE FOR COLUMN 34 (AA=PB=P)

LIMITS		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
LOWER	UPPER				
3.8E+00	5.6E+00	132	132	45.99	73.17
5.6E+00	8.3E+00	0	132	0.00	73.17
8.3E+00	1.2E+01	58	190	20.21	93.38
1.2E+01	1.8E+01	12	202	4.18	97.56
1.8E+01	2.6E+01	3	205	1.05	98.61
2.6E+01	3.8E+01	2	207	0.70	99.31
3.8E+01	5.6E+01	1	208	0.35	99.66
5.6E+01	8.3E+01	1	209	0.35	100.00
8.3E+01	1.2E+02	0	209	0.00	100.00
1.2E+02	1.8E+02	0	209	0.00	100.00
1.8E+02	2.6E+02	0	209	0.00	100.00
2.6E+02	3.8E+02	0	209	0.00	100.00
3.8E+02	5.6E+02	0	209	0.00	100.00
5.6E+02	8.3E+02	0	209	0.00	100.00
8.3E+02	1.2E+03	1	210	0.35	100.00

HISTOGRAM FOR COLUMN 34 (AA=PB=P)

5.0E+00 XX
7.0E+00
1.0E+01 XX
1.3E+01 XXXX
2.0E+01 X
3.0E+01 X
5.0E+01
7.0E+01
1.0E+02
1.5E+02
2.0E+02
3.0E+02
5.0E+02
7.0E+02
1.0E+03

N	L	H	B	T	G	ANALYTICAL VALUES
0	77	0	41	0	0	210
0.00	26.83			0.00	0.00	

MAXIMUM = 1.00001E+03
MINIMUM = 5.00000E+00
GEOMETRIC MEAN = 7.04185E+00
GEOMETRIC DEVIATION = 1.79718E+00

TITLE
BRADFELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

FREQUENCY TABLE FOR COLUMN 35 (AA=ZN=P)

LIMITS	FREQ	PERCENT	FREQ	PERCENT	FREQ	PERCENT
LOWER - UPPER						
3.8E+00 - 5.6E+00	9	3.14				99.30
5.6E+00 - 8.3E+00	0	0.00				96.17
8.3E+00 - 1.2E+01	22	7.67				96.17
1.2E+01 - 1.8E+01	9	3.14				88.50
1.8E+01 - 2.6E+01	36	12.54				85.37
2.6E+01 - 3.8E+01	43	14.98				72.82
3.8E+01 - 5.6E+01	72	25.09				57.84
5.6E+01 - 8.3E+01	70	24.39				32.75
8.3E+01 - 1.2E+02	19	6.62				8.36
1.2E+02 - 1.8E+02	2	0.70				1.74
1.8E+02 - 2.6E+02	2	0.70				1.05
2.6E+02 - 3.8E+02	0	0.00				0.35
3.8E+02 - 5.6E+02	1	0.35				0.35

HISTOGRAM FOR COLUMN 35 (AA=ZN=P)

```

5.0E+00 XXX
7.0E+00
1.0E+01 XXXXXXXX
1.5E+01 XXX
2.0E+01 XXXXXXXXXXXX
3.0E+01 XXXXXXXXXXXX
5.0E+01 XXXXXXXXXXXX
7.0E+01 XXXXXXXXXXXX
1.0E+02 XXXXXXXX
1.5E+02 X
2.0E+02 X
3.0E+02
5.0E+02

```

N	L	H	T	G	ANALYTICAL VALUES ZRS
0	2	41	0	0	
0.00	0.70	0	0.00	0.00	

MAXIMUM = 4.50010E+02
 MINIMUM = 5.00000E+00
 GEOMETRIC MEAN = 3.73629E+01
 GEOMETRIC DEVIATION = 2.09319E+00

TITLE
BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

IN THE COMPUTATIONS PERFORMED TO PRODUCE THE FOLLOWING TABLE OF GEOMETRIC MEANS AND DEVIATIONS, ALL ELEMENTS ARE IGNORED WHERE ONE OR MORE OF THE UNQUALIFIED DATA VALUES IS LESS THAN THE ANALYTICAL LIMIT OF DETECTION SPECIFIED ON INPUT OR WHERE ANY DATA VALUES ARE QUALIFIED WITH THE G (GREATER THAN) CODE. DATA VALUES QUALIFIED WITH B OR H ARE NOT USED IN THE COMPUTATIONS. WHERE NONE OF THE DATA VALUES FOR AN ELEMENT ARE QUALIFIED THE MEAN AND DEVIATION SHOULD BE THE SAME AS THOSE GIVEN IN THE PRECEDING SECTION. WHERE DATA ARE QUALIFIED WITH THE CODES N, L, OR T, THE ESTIMATES OF GEOMETRIC MEAN AND DEVIATION ARE BASED ON A METHOD BY A. J. COHEN FOR TREATING CENSORED DISTRIBUTIONS. THE APPLICATION OF THIS METHOD TO GEOCHEMICAL PROBLEMS IS DESCRIBED IN USGS PROFESSIONAL PAPER 574-B. THE ESTIMATES ARE UNBIASED IN A STRICT SENSE ONLY WHERE THE DATA ARE DERIVED FROM A LOGNORMAL PARENT POPULATION, BUT EXPERIMENTS HAVE SHOWN THAT LARGE DEPARTURES FROM THIS REQUIREMENT MAY NOT GREATLY INVALIDATE THE RESULTS ACCEPTANCE AND USE OF THE ESTIMATES, HOWEVER, IS THE RESPONSIBILITY OF THE INDIVIDUAL.

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
S-FEX	2	0	0	0	0	5	321
S-MGZ	0	4	0	0	0	0	324
S-CAZ	0	3	0	0	0	0	325
S-TJZ	0	2	0	0	0	2	324
S-MN	0	0	0	0	0	0	328
S-AG	283	15	0	0	0	0	30
S-AS	311	14	0	0	0	0	3
S-AU	326	0	0	0	0	0	2
S-B	153	147	0	0	0	0	28
S-BA	0	3	0	0	0	7	318
S-BE	13	108	0	0	0	0	207
S-BI	319	3	0	0	0	0	6
S-CO	119	27	0	0	0	0	182
S-CK	108	39	0	0	0	0	181
S-CU	8	62	0	0	0	0	258
S-LA	80	78	0	0	0	0	170
S-MO	263	32	0	0	0	0	33
S-NB	54	134	0	0	0	0	140
S-NI	43	119	0	0	0	0	166
S-PB	9	18	0	0	0	3	298
S-SB	323	3	0	0	0	0	2
S-SC	88	27	0	0	0	0	213
S-SR	7	15	0	0	0	0	306
S-V	0	0	0	0	0	0	328
S-Y	51	34	0	0	0	0	243
S-ZN	293	29	0	0	0	0	6
S-ZR	0	10	0	0	0	0	318
AA-AU-P	285	28	0	0	0	0	15
INST-HC	73	63	0	41	0	0	151
AA-CU-P	0	58	0	41	0	0	229
AA-PB-P	0	77	0	41	0	0	210
AA-ZN-P	0	2	0	41	0	0	285

TITLE

BRADFIELD CANAL USGS ROCK GEOCHEM ANALYTICAL DATA

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS
S-FE%	*****	*****	5 GREATER THAN VALUES. NO COMPUTATIONS.
S-MG%	0.784749	3.44	4 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-CA%	1.575402	2.68	3 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-Ti%	*****	*****	2 GREATER THAN VALUES. NO COMPUTATIONS.
S-MN	597.830246	2.15	328 SAMPLES AND 328 ANALYTICAL VALUES.
S-AS	3.651750	8.30	298 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-Ag	0.000010	*****	325 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-AU	0.007979	15.99	326 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-B	0.489724	7.91	300 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-BA	*****	*****	7 GREATER THAN VALUES. NO COMPUTATIONS.
S-BE	0.941863	1.48	121 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-BI	17.796385	2.06	322 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-CO	4.794269	3.62	146 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-CR	*****	*****	3 VALUES LESS THAN SPECIFIED LIMIT OF DETECTION. NO COMPUTATIONS.
S-CU	16.120089	5.12	70 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-LA	17.555150	2.32	158 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-MO	0.115098	15.85	295 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-NB	7.547003	1.47	188 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-NI	3.997378	5.39	162 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-PB	*****	*****	3 GREATER THAN VALUES. NO COMPUTATIONS.
S-SB	0.009881	36.77	326 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-SC	6.824152	3.07	115 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-SR	492.639782	2.38	22 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-V	79.606120	2.72	328 SAMPLES AND 328 ANALYTICAL VALUES.
S-Y	12.710777	1.90	85 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-ZN	311.042534	1.51	322 NOT DETECTED, LESS THAN, OR TRACE VALUES.
S-ZR	100.854966	2.23	10 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AA-AU-P	0.000000	*****	313 NOT DETECTED, LESS THAN, OR TRACE VALUES.
INST-HG	0.017913	2.46	136 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AA-CU-P	9.751342	3.71	58 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AA-PB-P	5.266484	2.06	77 NOT DETECTED, LESS THAN, OR TRACE VALUES.
AA-ZN-P	36.720687	2.15	2 NOT DETECTED, LESS THAN, OR TRACE VALUES.
			243 REPORTED VALUES.
			6 REPORTED VALUES.
			318 REPORTED VALUES.
			15 REPORTED VALUES.
			151 REPORTED VALUES.
			229 REPORTED VALUES.
			210 REPORTED VALUES.
			285 REPORTED VALUES.
			207 REPORTED VALUES.
			6 REPORTED VALUES.
			182 REPORTED VALUES.
			258 REPORTED VALUES.
			170 REPORTED VALUES.
			33 REPORTED VALUES.
			140 REPORTED VALUES.
			166 REPORTED VALUES.
			2 REPORTED VALUES.
			213 REPORTED VALUES.
			306 REPORTED VALUES.
			30 REPORTED VALUES.
			3 REPORTED VALUES.
			2 REPORTED VALUES.
			28 REPORTED VALUES.

TABLE 5. U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AL
68R001S	56 02 22N	130 04 07W	15.00	3.00	1.50	1.00	1500.	0.5	200.N	10.L
68R002S	56 02 20N	130 02 34W	20.00	5.00	1.00	1.00	2000.	1.5	200.N	10.L
68R003S	56 01 55N	130 02 37W	10.00	1.50	1.50	0.70	2000.	0.5L	200.N	10.N
68R004S	56 01 29N	130 03 41W	15.00	3.00	3.00	1.00	1500.	0.5L	200.N	10.N
68R005S	56 00 27N	130 04 17W	15.00	3.00	3.00	1.00	2000.	0.5L	200.N	10.N
68R043S	56 00 25N	130 02 28W	5.00	1.50	0.70	0.15	700.	1.5	200.N	10.N
68R1049S	56 01 38N	130 03 35W	5.00	1.00	2.00	0.30	1500.	3.0	200.L	10.N
68R1050S	56 02 08N	130 02 15W	10.00	1.50	1.50	0.50	1500.	1.5	200.N	10.L
68R1051S	56 02 11N	130 02 11W	7.00	1.50	1.50	0.30	1500.	0.7	200.L	10.N
68R1053S	56 03 52N	130 04 00W	1.50	0.20	0.30	0.10	1500.	0.5N	200.L	10.N
68R1057S	56 03 40N	130 04 57W	5.00	1.50	1.50	0.30	500.	0.5N	200.L	10.L
68R1058S	56 02 56N	130 04 43W	10.00	2.00	3.00	0.70	1500.	0.5	200.N	10.L
68R1054S	56 03 41N	130 03 29W	10.00	3.00	5.00	0.30	1500.	0.5	200.N	10.L
68R1002S	56 00 07N	130 02 40W	10.00	1.50	2.00	0.50	3000.	1.5	200.N	10.N
68R1107S	56 03 29N	130 05 51W	3.00	1.50	2.00	0.50	1500.	0.5	200.N	10.N
68R1104S	56 03 27N	130 06 07W	3.00	1.00	1.00	0.15	1500.	0.5L	200.N	10.N
68R1109S	56 03 33N	130 07 35W	5.00	1.50	1.50	0.30	2000.	0.5L	200.L	10.N
68R1111S	56 03 40N	130 10 32W	3.00	1.50	2.00	0.20	700.	0.5L	200.L	10.N
68R1112S	56 03 50N	130 10 50W	10.00	3.00	3.00	0.70	1500.	0.5L	200.N	10.N
68R1118S	56 04 30N	130 20 05W	7.00	3.00	5.00	0.30	700.	0.5L	200.N	10.N
68R1113S	56 04 31N	130 19 37W	5.00	3.00	3.00	0.30	1000.	0.5L	200.N	10.N
72R056	56 00 03N	130 47 38W	5.00	2.00	5.00	0.30	1500.	0.5N	200.N	10.N
72R057	56 06 01N	130 34 09W	7.00	1.50	2.00	0.70	1000.	0.5N	200.N	10.N
72R058	56 05 54N	130 37 10W	15.00	3.00	5.00	0.70	1500.	0.5N	200.N	10.N
72R059	56 05 54N	130 36 59W	7.00	1.50	3.00	0.50	1500.	0.5N	200.N	10.N
72R060	56 06 45N	130 39 00W	7.00	1.50	3.00	0.70	1000.	0.5N	200.N	10.N
72R061	56 06 45N	130 38 55W	10.00	3.00	3.00	0.70	1500.	0.5N	200.N	10.N
72R062	56 06 42N	130 38 46W	10.00	3.00	5.00	0.70	1500.	0.5N	200.N	10.N
72R063	56 04 06N	130 41 31W	15.00	5.00	7.00	1.00	1500.	0.5N	200.N	10.N
72R064	56 03 17N	130 44 21W	15.00	5.00	7.00	0.70	1500.	0.5N	200.N	10.N
72R065S	56 01 35N	130 42 51W	15.00	3.00	5.00	0.70	1500.	0.5N	200.N	10.N
72R066	56 01 39N	130 42 50W	5.00	2.00	5.00	0.50	1000.	0.5N	200.N	10.N
72R089	56 04 05N	130 23 51W	7.00	2.00	3.00	0.50	1500.	0.5N	200.N	10.N
72R090	56 02 52N	130 23 41W	7.00	3.00	5.00	0.30	1500.	0.5N	200.N	10.N
72R091	56 03 09N	130 23 36W	5.00	1.50	5.00	0.70	1500.	0.5N	200.N	10.N
72R092	56 03 11N	130 23 21W	5.00	2.00	5.00	0.70	1000.	0.5N	200.N	10.N
72R093	56 03 17N	130 23 11W	3.00	1.50	5.00	0.30	1000.	0.5N	200.N	10.N
72R094S	56 02 50N	130 30 02W	3.00	1.00	3.00	0.50	700.	0.5N	200.N	10.N
72R095	56 02 24N	130 31 30W	3.00	1.00	3.00	0.50	1000.	0.5N	200.N	10.N
72R096	56 02 17N	130 33 26W	7.00	1.50	3.00	1.00	1000.	0.5N	200.N	10.N
72R097	56 02 14N	130 33 17W	5.00	1.50	3.00	0.50	700.	0.5N	200.N	10.N
72R099	56 00 58N	130 36 26W	5.00	2.00	5.00	0.70	1000.	0.5N	200.N	10.N
72R100	56 00 16N	130 36 41W	5.00	2.00	5.00	0.50	700.	0.5N	200.N	10.N
72R109	56 07 23N	130 40 05W	7.00	1.50	3.00	0.50	700.	0.5N	200.N	10.N
72R149	56 04 15N	130 38 25W	3.00	1.00	1.50	0.30	700.	0.5N	200.N	10.N
72R450	56 04 30N	130 42 10W	3.00	0.70	1.50	0.20	300.	0.5N	200.N	10.N
72R451S	56 04 32N	130 45 12W	3.00	1.00	2.00	0.30	1500.	0.5N	200.N	10.N
72R452	56 04 49N	130 39 20W	5.00	1.50	3.00	0.50	1000.	0.5N	200.N	10.N
72R453	56 02 06N	130 47 13W	10.00	2.00	3.00	0.70	1500.	0.5N	200.N	10.N
72R454	56 00 04N	130 47 35W	5.00	1.50	3.00	0.30	1000.	0.5N	200.N	10.N

TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	S-H	S-BA	S-BE	S-HI	S-CD	S-CD	S-CR	S-CU	S-LA	S-KU
68DN01S	50.	2000.	1.0L	10.N	20.N	30.	70.	70.	20.L	5.N
68DN02S	70.	1500.	1.0L	10.N	20.N	50.	150.	200.	20.L	5.N
68DN03A	30.	1500.	1.0L	10.N	20.N	15.	70.	100.	20.	15.
68DN04S	30.	1500.	1.0L	10.N	20.N	15.	150.	100.	20.L	5.N
68DN05S	20.	1500.	1.0	10.N	20.N	20.	70.	70.	20.	7.
68DN43S	15.	1000.	1.5	10.N	20.N	15.	30.	150.	30.	5.N
68SJ049S	20.	1500.	1.5	10.N	20.N	20.	70.	150.	20.	7.
68SJ050S	50.	1500.	1.0	10.N	20.N	30.	30.	50.	20.	5.N
68SJ051S	10.	1500.	1.0L	10.N	20.N	30.	20.	70.	20.	10.
68SJ055S	10.N	300.	1.0L	10.N	20.N	15.	10.	7.	20.	10.
68SJ057S	10.L	1500.	1.0L	10.N	20.N	10.	50.	30.	20.	20.
68SJ059S	20.	1500.	1.0L	10.N	20.N	30.	150.	70.	20.L	5.N
68SJ064S	20.	1500.	1.0	10.N	20.N	70.	150.	150.	20.L	5.N
68SJ092S	30.	2000.	1.5	10.N	20.N	50.	50.	100.	20.	15.
68SJ107S	15.	1500.	2.0	10.N	20.N	15.	20.	100.	30.	7.
68SJ108S	10.L	1500.	1.5	10.N	20.N	15.	20.	20.	30.	7.
68SJ109S	15.	2000.	1.0	10.N	20.N	15.	30.	30.	30.	5.N
68SJ111S	10.	2000.	1.5	10.N	20.N	10.	30.	15.	20.	5.N
68SJ112S	15.	3000.	1.5	10.N	20.N	15.	70.	70.	50.	5.N
68SJ181S	10.	2000.	1.0	10.N	20.N	15.	150.	150.	30.	5.L
68SJ183S	15.	2000.	1.5	10.N	20.N	15.	150.	7.	20.	5.N
72H056	10.L	700.	1.0	10.N	20.N	7.	150.	50.	20.L	5.N
72H057	10.N	1500.	1.0	10.N	20.N	7.	20.	30.	20.L	5.L
72H05A	15.	1500.	1.0	10.N	20.N	30.	150.	150.	30.	5.L
72H059	10.N	1500.	1.5	10.N	20.N	7.	50.	50.	20.	5.N
72H060	10.N	1500.	1.0	10.N	20.N	10.	70.	70.	150.	5.N
72H061	10.N	1500.	1.0	10.N	20.N	10.	70.	70.	300.	5.N
72H062	10.N	1500.	1.0	10.N	20.N	15.	50.	70.	70.	5.N
72H063	10.N	1500.	1.0	10.N	20.N	20.	150.	100.	300.	5.L
72H064	10.N	1500.	1.0	10.N	20.N	20.	150.	70.	150.	5.L
72H065S	10.	1500.	1.0	10.N	20.N	20.	150.	150.	20.	5.L
72H066	10.L	1500.	1.0	10.N	20.N	10.	70.	50.	150.	5.L
72H069	10.L	1500.	1.0	10.N	20.N	10.	70.	100.	20.N	5.L
72H090	10.L	2000.	1.5	10.N	20.N	15.	70.	150.	20.N	5.L
72H091	10.L	1500.	1.0	10.N	20.N	7.	20.	100.	20.	5.N
72H092	10.L	1500.	1.0	10.N	20.N	15.	70.	50.	30.	5.N
72H093	10.L	1500.	1.0	10.N	20.N	7.	20.	50.	20.	5.N
72H094S	10.L	1500.	1.0	10.N	20.N	5.	30.	50.	150.	5.N
72H095	10.L	1500.	1.0	10.N	20.N	7.	30.	30.	150.	5.N
72H096	10.L	1500.	1.0	10.N	20.N	7.	70.	30.	150.	5.L
72H097	10.L	1500.	1.0	10.N	20.N	7.	50.	50.	30.	5.N
72H099	10.L	1500.	1.0	10.N	20.N	10.	150.	70.	150.	5.L
72H100	10.L	700.	1.0	10.N	20.N	10.	150.	50.	20.L	5.L
72H446	10.L	1500.	1.0L	10.N	20.N	20.	70.	10.	20.L	5.N
72H449	10.L	1500.	1.0L	10.N	20.N	15.	70.	30.	20.	5.N
72H450	10.L	2000.	1.0L	10.N	20.N	5.	30.	5.	20.L	5.N
72H451S	10.L	2000.	1.0L	10.N	20.N	10.	70.	10.	70.	5.N
72H452	10.L	1500.	1.0	10.N	20.N	15.	70.	10.	30.	5.L
72H453	10.L	1500.	1.0	10.N	20.N	15.	150.	15.	30.	5.L
72H454	10.L	1000.	1.0	10.N	20.N	15.	150.	7.	150.	5.L

TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	S-NR	S-NI	S-PB	S-SR	S-SC	S-SN	S-SR	S-V	S-W	S-Y
6RDN015	10.	30.	20.	100.N	30.	10.N	300.	300.	50.N	20.
6RDN025	10.	70.	150.	100.N	30.	10.N	100.	200.	50.N	30.
6RDN035	10.	70.	50.	100.N	20.	10.N	300.	500.	50.N	30.
6RDN045	10.L	50.	30.	100.N	30.	10.N	500.	500.	50.N	30.
6RDN055	10.	20.	300.	100.N	20.	10.N	500.	300.	50.N	30.
6RDN435	10.	30.	70.	100.N	15.	10.N	300.	150.	50.N	20.
6PSJ0495	10.L	70.	300.	100.L	15.	10.N	300.	300.	50.N	30.
6PSJ0505	10.	20.	150.	100.N	20.	10.N	300.	200.	50.N	30.
6PSJ0515	10.	20.	150.	100.N	15.	10.N	200.	200.	50.N	30.
6PSJ0555	10.L	5.L	100.	100.N	7.	10.N	100.L	100.	50.N	10.L
6PSJ0575	10.	10.	70.	100.N	15.	10.N	500.	150.	50.N	15.
6PSJ0585	15.	70.	100.	100.N	20.	10.N	700.	300.	50.N	30.
6PSJ0645	10.L	70.	100.	100.N	50.	10.N	700.	300.	50.N	30.
6PSJ0925	10.	70.	300.	100.N	15.	10.N	300.	200.	50.N	30.
6PSJ1075	15.	5.	150.	100.N	15.	10.N	500.	150.	50.L	30.
6PSJ1085	10.	5.	150.	100.N	10.	10.N	300.	100.	50.L	15.
6PSJ1095	10.	5.	100.	100.N	15.	10.N	300.	150.	50.L	30.
6PSJ1115	15.	10.	70.	100.N	15.	10.N	500.	150.	50.L	20.
6PSJ1125	15.	30.	30.	100.N	15.	10.N	700.	150.	50.L	20.
6PSJ1815	10.	30.	30.	100.N	20.	10.N	700.	150.	50.N	20.
6PSJ1935	10.	30.	15.	100.N	20.	10.N	700.	150.	50.N	30.
72R056	10.L	150.	15.	100.N	30.	10.N	500.	100.	50.N	50.
72R057	10.	5.	30.	100.N	15.	10.N	700.	200.	50.N	20.
72R058	10.	70.	30.	100.N	30.	10.N	700.	300.	50.N	30.
72R059	10.	5.L	30.	100.N	15.	10.N	700.	300.	50.N	20.
72R060	10.	15.	20.	100.N	15.	10.N	700.	150.	50.N	20.
72R061	10.	15.	20.	100.N	20.	10.N	500.	200.	50.N	20.
72R062	10.	20.	30.	100.N	15.	10.N	700.	300.	50.N	20.
72R063	10.	30.	30.	100.N	30.	10.N	1000.	300.	50.N	50.
72R064	10.	30.	30.	100.N	30.	10.N	1000.	300.	50.N	50.
72R0658	10.	30.	30.	100.N	30.	10.N	700.	300.	50.N	30.
72R066	10.	50.	20.	100.N	20.	10.N	700.	150.	50.N	20.
72R080	10.	20.	20.	100.N	20.	10.N	500.	200.	50.N	20.
72R090	10.	15.	30.	100.N	30.	10.N	1000.	300.	50.N	20.
72R091	10.	7.	15.	100.N	20.	10.N	1000.	200.	50.N	20.
72R092	10.L	15.	20.	100.N	30.	10.N	1000.	300.	50.N	20.
72R093	10.	7.	20.	100.N	20.	10.N	700.	200.	50.N	20.
72R0945	10.	7.	20.	100.N	20.	10.N	1000.	150.	50.N	20.
72R095	10.	7.	15.	100.N	7.	10.N	700.	150.	50.N	20.
72R096	15.	15.	30.	100.N	15.	10.N	700.	300.	50.N	30.
72R097	10.	15.	30.	100.N	10.	10.N	1000.	200.	50.N	15.
72R099	10.	100.	30.	100.N	15.	10.N	700.	200.	50.N	30.
72R100	10.L	50.	20.	100.N	20.	10.N	300.	200.	50.N	30.
72R148	10.	15.	20.	100.N	20.	10.N	700.	300.	50.N	20.
72R440	10.	20.	20.	100.N	15.	10.N	500.	200.	50.N	20.
72R450	10.L	15.	50.	100.N	7.	10.N	1500.	100.	50.N	10.
72R4515	10.	15.	30.	100.N	15.	10.N	1000.	150.	50.N	30.
72R452	10.	15.	30.	100.N	20.	10.N	700.	200.	50.N	30.
72R453	10.	20.	20.	100.N	30.	10.N	700.	300.	50.N	50.
72R454	10.L	30.	20.	100.N	20.	10.N	300.	150.	50.N	70.

TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	S-ZR	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PR-P	AA-ZN-P
68DN018	200.L	150.	0.20	0.00R	0.R	0.R	0.R
68DN026	500.	70.	0.04	0.00R	0.R	0.R	0.B
68DN038	300.	150.	0.02	0.00R	0.R	0.R	0.B
68DN048	200.L	300.	0.10	0.00R	0.B	0.R	0.R
68DN058	200.L	100.	0.30	0.00R	0.R	0.R	0.B
68DN438	300.	70.	0.02L	0.00R	0.R	0.R	0.B
68RJ049S	200.	70.	0.10	0.00B	0.B	0.B	0.B
68RJ050S	200.L	150.	0.02L	0.00R	0.R	0.B	0.B
68RJ051S	200.L	70.	0.02	0.00B	0.R	0.B	0.B
68RJ055S	200.N	70.	0.02	0.00R	0.R	0.R	0.B
68RJ057S	200.N	100.	0.02L	0.00R	0.R	0.R	0.B
68RJ058S	200.L	150.	0.02L	0.00R	0.P	0.R	0.R
68RJ064S	200.L	70.	0.10	0.00R	0.R	0.R	0.B
68RJ092S	700.	150.	0.10	0.00R	0.B	0.R	0.B
68RJ107S	200.L	100.	0.02L	0.00B	0.R	0.R	0.R
68RJ108S	200.L	70.	0.04L	0.00R	0.R	0.R	0.R
68RJ109S	200.L	70.	0.06	0.00R	0.R	0.R	0.R
68RJ111S	200.L	200.	0.02L	0.00R	0.R	0.R	0.B
68RJ112S	200.L	200.	0.02L	0.00R	0.R	0.B	0.B
68RJ181S	200.L	70.	0.02L	0.00R	0.R	0.R	0.B
68RJ183S	200.L	70.	0.02L	0.00B	0.B	0.B	0.B
72R056	200.N	1000.	0.10N	0.06	20.	10.	25.
72R057	200.N	300.	0.05N	0.06	10.	10.	55.
72R058	200.N	300.	0.05N	0.16	85.	10.	50.
72R059	200.N	700.	0.05N	0.18	5.	5.	40.
72R060	200.N	700.	0.05N	0.04	15.	5.	30.
72R061	200.N	300.	0.05N	0.02	15.	5.	30.
72R062	200.N	300.	0.05N	0.06	25.	10.	45.
72R063	200.N	300.	0.05N	0.16	20.	10.	60.
72R064	200.N	200.	0.05N	0.14	15.	10.	50.
72R065S	200.N	500.	0.05N	0.08	50.	10.	35.
72R066	200.N	70.	0.05N	0.08	55.	10.	45.
72R08Q	200.N	200.	0.05N	0.04	35.	10.	40.
72R090	200.N	200.	0.05N	0.06	85.	10.	50.
72R091	200.N	150.	0.05N	0.02	50.	5.	40.
72R092	200.N	150.	0.05N	0.04	45.	5.	30.
72R093	200.N	100.	0.05N	0.08	35.	5.	20.
72R094S	200.N	300.	0.05N	0.06	10.	5.L	30.
72R095	200.N	100.	0.05N	0.02	20.	5.L	30.
72R096	200.N	300.	0.05N	0.08	15.	5.	40.
72R097	200.N	300.	0.05N	0.04	20.	5.	35.
72R099	200.N	1000.	0.05N	0.06	20.	5.	60.
72R100	200.N	150.	0.05N	0.35	25.	10.	100.
72R44R	200.N	300.	0.05N	0.02N	20.	10.	40.
72R449	200.N	70.	0.05N	0.02	40.	10.	60.
72R450	200.N	150.	0.05N	0.02N	5.	5.	25.
72R451S	200.N	150.	0.05N	0.06	15.	15.	45.
72R452	200.N	200.	0.05N	0.02	35.	20.	60.
72R453	200.N	1000.	0.05N	0.08	20.	10.	45.
72R454	200.N	700.	0.05N	0.02L	20.	10.	40.

TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU
72C043	56 12 08N	130 30 36W	5.00	1.50	2.00	0.30	700.	0.5N	200.N	10.N
72C059	56 11 18N	130 29 43W	5.00	1.50	3.00	0.50	1500.	0.5N	200.N	10.N
72C067	56 10 36N	130 32 07W	5.00	1.50	2.00	0.50	700.	0.5N	200.N	10.N
72C068	56 08 18N	130 33 35W	5.00	2.00	3.00	0.30	700.	0.5N	200.N	10.N
72C069	56 07 34N	130 33 59W	7.00	1.50	3.00	0.50	700.	0.5N	200.N	10.N
72C171	56 08 20N	130 38 01W	3.00	0.70	1.50	0.30	700.	0.5N	200.N	10.N
72C172	56 10 04N	130 36 59W	5.00	1.50	3.00	0.50	700.	0.5N	200.N	10.N
72C173	56 10 35N	130 36 24W	7.00	1.50	3.00	0.70	1000.	0.5N	200.N	10.N
72C174	56 08 38N	130 42 54W	10.00	1.50	3.00	0.70	1000.	0.5N	200.N	10.N
72C175	56 08 13N	130 41 13W	5.00	1.50	2.00	0.50	1000.	0.5H	200.N	10.N
72E056	56 06 08N	130 35 28W	5.00	1.00	1.50	0.50	700.	0.5N	200.N	10.N
72F057	56 05 26N	130 37 43W	5.00	1.00	2.00	0.70	1000.	0.5H	200.N	10.N
72F058	56 05 35N	130 39 18W	5.00	3.00	5.00	0.50	1500.	0.5N	200.N	10.N
72E059	56 05 33W	130 39 08W	3.00	1.50	3.00	0.50	1000.	0.5N	200.N	10.N
72F060	56 05 10N	130 39 33W	10.00	5.00	5.00	0.70	2000.	0.5N	200.N	10.N
72F061	56 03 29N	130 41 27W	5.00	5.00	5.00	0.70	1500.	0.5N	200.N	10.N
72F062	56 00 56N	130 43 58W	10.00	7.00	7.00	1.00	2000.	0.5N	200.N	10.N
72F063	56 00 18N	130 43 01W	7.00	3.00	3.00	0.70	1500.	0.5N	200.N	10.N
72F090	56 04 02N	130 20 54W	5.00	2.00	5.00	0.30	1500.	0.5N	200.N	10.N
72F091	56 03 23N	130 24 52W	3.00	0.15	0.50	0.30	1000.	0.5N	200.N	10.N
72F092	56 02 13N	130 25 07W	7.00	7.00	5.00	0.70	1500.	0.5N	200.N	10.N
72E093	56 02 10N	130 26 51W	10.00	1.00	3.00	1.00	700.	0.5N	200.N	10.N
72F094	56 01 59N	130 28 03W	7.00	5.00	7.00	0.70	3000.	0.5N	200.N	10.N
72E095	56 01 50N	130 29 55W	5.00	3.00	3.00	0.50	1500.	0.5N	200.N	10.N
72E096	56 01 51N	130 30 34W	7.00	3.00	2.00	0.70	1000.	0.5H	200.N	10.N
72E097	56 02 29N	130 33 46W	3.00	1.50	2.00	0.30	1000.	0.5N	200.N	10.N
72E098	56 01 42N	130 34 56W	7.00	3.00	3.00	0.50	1000.	0.5N	200.N	10.N
72E099	56 01 12N	130 36 03W	7.00	5.00	5.00	0.70	1500.	0.5N	200.N	10.N
72E256	56 11 43N	130 27 25W	5.00	1.00	2.00	0.70	700.	0.5N	200.N	10.N
72E257	56 11 46N	130 29 51W	5.00	1.50	1.50	0.30	700.	0.5N	200.N	10.N
72E258	56 11 17N	130 31 21W	5.00	1.00	1.50	0.50	1000.	0.5N	200.N	10.N
72E259	56 10 24N	130 31 21W	3.00	1.50	1.50	0.50	700.	0.5H	200.N	10.N
72F260	56 09 47N	130 32 12W	3.00	1.50	2.00	0.70	700.	0.5H	200.N	10.N
72E261	56 08 52N	130 33 02W	3.00	1.00	2.00	0.50	1000.	0.5N	200.N	10.N
72E262	56 08 36N	130 33 29W	3.00	1.50	2.00	0.50	1000.	0.5N	200.N	10.N
72E263	56 07 08N	130 34 32W	3.00	1.50	1.50	0.30	1000.	0.5N	200.N	10.N
72F264	56 05 55N	130 33 11W	5.00	1.50	2.00	0.30	700.	0.5H	200.N	10.N
72E265	56 05 14N	130 31 05W	3.00	0.70	1.50	0.30	700.	0.5H	200.N	10.N
72E266	56 05 37N	130 32 07W	1.50	0.70	1.50	0.20	1000.	0.5N	200.N	10.N
72F267	56 04 35N	130 35 45W	5.00	1.00	2.00	0.30	1000.	0.5N	200.N	10.N
72F268	56 04 32N	130 35 50W	3.00	2.00	3.00	0.50	1500.	0.5H	200.N	10.N
72F269	56 05 16N	130 36 22W	5.00	3.00	3.00	0.50	1500.	0.5N	200.N	10.N
72E270	56 04 46N	130 37 54W	3.00	1.00	1.50	0.50	1000.	0.5H	200.N	10.N
72E271S	56 04 46N	130 37 46W	10.00	1.50	3.00	0.70	1000.	0.5H	200.N	10.N
72E272	56 09 31N	130 36 55W	5.00	1.50	2.00	0.50	700.	0.5N	200.N	10.N
72E273	56 08 03N	130 37 50W	5.00	1.00	2.00	0.50	700.	0.5H	200.N	10.N
72E274	56 08 06N	130 37 55W	7.00	1.00	2.00	0.70	1000.	0.5N	200.N	10.N
72F275	56 07 49N	130 37 54W	7.00	1.00	2.00	0.50	700.	0.5H	200.N	10.N
72E276	56 07 20N	130 38 37W	3.00	1.00	2.00	0.50	700.	0.5N	200.N	10.N
72F277	56 08 30N	130 43 07W	2.00	1.00	2.00	0.50	700.	0.5N	200.N	10.N

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TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	S=H	S=HA	S=RE	S=RI	S=CD	S=CU	S=CR	S=CU	S=LA	S=LN
72C049	10.L	1500.	1.0L	10.N	20.N	15.	30.	20.	20.L	5.L
72C059	10.L	1000.	1.0	10.N	20.N	15.	30.	30.	20.L	5.N
72C067	10.L	1500.	1.0	10.N	20.N	15.	30.	30.	20.	5.L
72C068	10.L	700.	1.0L	10.N	20.N	15.	70.	15.	20.L	5.N
72C069	10.L	1500.	1.0	10.N	20.N	10.	100.	7.	30.	5.L
72C171	10.L	1500.	1.0	10.N	20.N	10.	15.	30.	70.	5.N
72C172	10.L	1500.	1.0	10.N	20.N	15.	50.	20.	20.	5.N
72C173	10.L	1500.	1.0	10.N	20.N	15.	50.	20.	70.	5.N
72C174	10.L	2000.	1.0L	10.N	20.N	15.	100.	20.	20.L	5.L
72C175	10.L	1500.	1.0L	10.N	20.N	15.	50.	7.	30.	5.L
72E056	10.L	1500.	1.0	10.N	20.N	10.	50.	30.	150.	5.L
72E057	10.L	2000.	1.5	10.N	20.N	5.	30.	30.	150.	5.N
72E058	10.L	2000.	1.0	10.N	20.N	10.	70.	70.	20.L	5.N
72E059	10.L	1500.	1.0	10.N	20.N	7.	50.	50.	30.	5.N
72E060	10.L	3000.	1.0	10.N	20.N	15.	70.	70.	30.	5.N
72E061	10.L	1500.	1.0	10.N	20.N	15.	150.	30.	200.	5.L
72E062	10.L	2000.	1.0	10.N	20.N	30.	150.	30.	200.	5.L
72E063	10.L	1500.	1.0	10.N	20.N	15.	150.	70.	200.	5.L
72E090	15.	1500.	1.5	10.N	20.N	15.	70.	70.	20.	5.N
72E091	10.L	700.	1.5	10.N	20.N	5.N	10.N	70.	20.	5.N
72E092	10.L	1000.	1.0	10.N	20.N	15.	200.	150.	20.L	5.N
72E093	10.L	2000.	1.0	10.N	20.N	5.	30.	30.	150.	5.L
72E094	10.L	1500.	1.0	10.N	20.N	30.	150.	70.	150.	5.L
72E095	10.L	1500.	1.0L	10.N	20.N	15.	200.	70.	20.N	5.L
72E096	10.L	1500.	1.0	10.N	20.N	10.	70.	70.	30.	5.L
72E097	10.L	1500.	1.0L	10.N	20.N	7.	70.	30.	20.	5.N
72E098	10.L	1500.	1.0L	10.N	20.N	15.	100.	70.	20.N	5.L
72E099	10.L	1500.	1.0	10.N	20.N	15.	150.	70.	100.	5.L
72E256	10.L	1500.	1.0	10.N	20.N	7.	70.	7.	30.	5.N
72E257	10.L	1500.	1.0L	10.N	20.N	10.	30.	30.	20.	5.
72E258	10.L	1500.	1.0	10.N	20.N	7.	15.	30.	20.L	5.L
72E259	10.L	1500.	1.0	10.N	20.N	5.L	30.	20.	20.	5.N
72E260	10.L	1500.	1.0	10.N	20.N	10.	50.	7.	20.	5.N
72E261	10.L	1500.	1.0	10.N	20.N	7.	30.	5.	20.	5.N
72E262	10.L	1000.	1.0	10.N	20.N	10.	30.	30.	20.L	5.L
72E263	10.L	1500.	1.5	10.N	20.N	7.	30.	30.	20.L	5.L
72E264	50.	1000.	1.0	10.N	20.N	7.	30.	30.	20.L	5.L
72E265	10.L	2000.	1.0	10.N	20.N	5.	15.	15.	20.	5.N
72E266	10.L	1500.	1.5	10.N	20.N	5.L	15.	7.	20.L	5.N
72E267	10.L	2000.	1.0	10.N	20.N	5.	20.	5.L	300.	5.N
72E268	10.L	2000.	1.0	10.N	20.N	10.	70.	7.	30.	5.N
72E269	10.L	1500.	1.0	10.N	20.N	20.	70.	30.	300.	5.L
72E270	10.L	1500.	1.5	10.N	20.N	10.	30.	30.	30.	5.L
72E271S	10.L	1500.	1.0	10.N	20.N	15.	100.	20.	30.	5.
72E272	10.L	1500.	1.0	10.N	20.N	10.	70.	15.	20.L	5.L
72E273	10.L	1500.	1.5	10.N	20.N	10.	50.	15.	30.	5.L
72E274	10.L	1000.	1.0	10.N	20.N	7.	70.	30.	20.	5.L
72E275	10.L	1500.	1.5	10.N	20.N	10.	50.	20.	70.	5.L
72E276	10.L	1500.	1.0	10.N	20.N	5.	30.	15.	20.	5.N
72E277	10.L	2000.	1.0	10.N	20.N	7.	70.	15.	20.	5.N

TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	S-NH	S-NJ	S-PR	S-SR	S-SC	S-SN	S-SR	S-V	S-W	S-Y
72C049	10.	15.	20.	100.N	15.	10.N	300.	200.	50.N	20.
72C059	10.L	15.	30.	100.N	15.	10.N	300.	200.	50.N	15.
72C067	10.	15.	20.	100.N	20.	10.N	300.	200.	50.N	30.
72C068	10.L	15.	15.	100.N	20.	10.N	300.	200.	50.N	15.
72C069	10.	15.	20.	100.N	20.	10.N	700.	200.	50.N	30.
72C171	10.	15.	50.	100.N	20.	10.N	500.	150.	50.N	20.
72C172	10.	15.	20.	100.N	20.	10.N	500.	150.	50.N	30.
72C173	10.	15.	20.	100.N	15.	10.N	500.	300.	50.N	30.
72C174	10.	15.	50.	100.N	15.	10.N	700.	300.	50.N	30.
72C175	10.	15.	30.	100.N	15.	10.N	700.	200.	50.N	30.
72E056	10.	15.	30.	100.N	10.	10.N	500.	200.	50.N	15.
72E057	10.	5.	30.	100.N	10.	10.N	1500.	200.	50.N	15.
72E058	10.	15.	50.	100.N	15.	10.N	1500.	200.	50.N	15.
72E059	10.L	15.	30.	100.N	15.	10.N	700.	150.	50.N	10.
72E060	10.	7.	50.	100.N	7.	10.N	2000.	300.	50.N	30.
72E061	10.	50.	20.	100.N	20.	10.N	700.	200.	50.	50.
72E062	15.	30.	30.	100.N	30.	10.N	1500.	300.	50.N	50.
72E063	10.	20.	150.	100.N	20.	10.N	1000.	300.	50.N	30.
72E090	10.L	15.	30.	100.N	30.	10.N	1000.	300.	50.N	20.
72E091	30.	5.L	30.	100.N	5.N	10.N	200.	50.	50.N	20.
72E092	10.L	70.	15.	100.N	30.	10.N	300.	300.	50.N	20.
72E093	15.	5.	30.	100.N	15.	10.N	1000.	200.	50.N	50.
72E094	10.L	20.	70.	100.N	20.	10.N	700.	300.	50.N	15.
72E095	10.L	70.	30.	100.N	20.	10.N	300.	200.	50.N	15.
72E096	10.	15.	30.	100.N	15.	10.N	700.	200.	50.N	20.
72E097	10.L	15.	30.	100.N	10.	10.N	1000.	150.	50.N	10.
72E098	10.	20.	20.	100.N	20.	10.N	500.	300.	50.N	20.
72E099	10.	30.	20.	100.N	30.	10.N	700.	300.	50.N	50.
72E255	10.	15.	30.	100.N	15.	10.N	700.	150.	50.N	20.
72E257	10.	15.	20.	100.N	15.	10.N	500.	200.	50.N	15.
72E258	10.	15.	30.	100.N	15.	10.N	300.	200.	50.N	15.
72E259	10.	15.	30.	100.N	15.	10.N	700.	150.	50.N	15.
72E260	10.	15.	20.	100.N	15.	10.N	700.	150.	50.N	15.
72E261	10.	15.	15.	100.N	15.	10.N	700.	150.	50.N	15.
72E262	10.	15.	15.	100.N	15.	10.N	500.	150.	50.N	20.
72E263	10.	15.	30.	100.N	15.	10.N	300.	150.	50.N	20.
72E264	10.	15.	30.	100.N	15.	10.N	300.	200.	50.N	15.
72E265	10.	7.	30.	100.N	7.	10.N	700.	150.	50.N	15.
72E266	10.	7.	20.	100.N	7.	10.N	500.	70.	50.N	10.
72E267	10.	5.	30.	100.N	10.	10.N	1500.	200.	50.N	20.
72E268	10.	15.	30.	100.N	15.	10.N	1500.	200.	50.N	30.
72E269	10.	15.	30.	100.N	30.	10.N	700.	300.	50.N	30.
72E270	10.	15.	20.	100.N	15.	10.N	300.	150.	50.N	30.
72E271A	10.	15.	20.	100.N	30.	10.N	500.	300.	50.N	30.
72E272	10.	15.	30.	100.N	15.	10.N	500.	150.	50.N	20.
72E273	10.	15.	20.	100.N	15.	10.N	500.	150.	50.N	15.
72E274	10.	15.	20.	100.N	15.	10.N	300.	300.	50.N	20.
72E275	10.	15.	20.	100.N	15.	10.N	700.	200.	50.N	20.
72E276	10.L	15.	15.	100.N	10.	10.N	500.	150.	50.N	10.
72E277	10.L	15.	30.	100.N	15.	10.N	1000.	150.	50.N	10.

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TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - SURFAN SEDIMENT SAMPLES.

SAMPLE	S-ZN	S-ZR	AA=AL=P	INST=HG	AA=CU=P	AA=PB=P	AA=ZN=P
72C049	200.N	150.	0.05N	0.02	35.	10.	30.
72C052	200.N	200.	0.05N	0.12	60.	20.	65.
72C067	200.N	200.	0.05N	0.04	60.	15.	80.
72C068	200.N	150.	0.05N	0.06	30.	10.	45.
72C069	200.N	300.	0.05N	0.02N	15.	20.	45.
72C171	200.N	300.	0.05N	0.02N	30.	20.	75.
72C172	200.N	200.	0.05N	0.02N	25.	10.	35.
72C173	200.N	200.	0.05N	0.06	20.	10.	20.
72C174	200.N	300.	0.05N	0.04	10.	5.	25.
72C175	200.N	300.	0.05N	0.08	20.	5.	40.
72E056	200.N	100.	0.05N	0.10	10.	15.	30.
72E057	200.N	150.	0.05N	0.08	10.	10.	40.
72E058	200.N	70.	0.05N	0.02N	10.	10.	20.
72E059	200.N	70.	0.05N	0.12	15.	10.	30.
72E060	200.N	200.	0.05N	0.10	10.	10.	40.
72E061	200.N	300.	0.05N	0.06	25.	5.	30.
72E062	200.N	300.	0.10N	0.06	5.	5.1	20.
72E063	200.N	500.	0.05N	0.08	15.	5.	30.
72E090	200.N	100.	0.05N	0.04	65.	20.	50.
72E091	200.N	300.	0.05N	0.10	5.1	10.	30.
72E092	200.N	70.	0.05N	0.08	80.	15.	70.
72E093	200.N	700.	0.05N	0.02	10.	10.	45.
72E094	200.N	150.	0.05N	0.06	30.	20.	30.
72E095	200.N	70.	0.05N	0.14	45.	15.	70.
72E095	200.N	150.	0.05N	0.04	20.	10.	60.
72E097	200.N	100.	0.05N	0.08	20.	10.	40.
72E098	200.N	150.	0.05N	0.22	35.	10.	50.
72E099	200.N	300.	0.05N	0.08	20.	5.	60.
72E256	200.N	700.	0.05N	0.02	10.	10.	40.
72F257	200.N	300.	0.05N	0.02L	40.	5.	50.
72E258	200.N	70.	0.05N	0.02L	40.	15.	65.
72E259	200.N	200.	0.05N	0.02L	10.	10.	65.
72E260	200.N	300.	0.05N	0.02L	15.	5.	55.
72E261	200.N	300.	0.05N	0.02L	15.	5.	40.
72E262	200.N	100.	0.05N	0.06	45.	10.	70.
72E263	200.N	200.	0.05N	0.06	30.	15.	65.
72E264	200.N	200.	0.05N	0.02	45.	15.	65.
72E265	200.N	300.	0.05N	0.02	20.	5.	45.
72E266	200.N	70.	0.05N	0.02L	5.	5.	55.
72E267	200.N	500.	0.05N	0.02L	5.	10.	35.
72E268	200.N	300.	0.05N	0.02	15.	5.	25.
72E269	200.N	100.	0.05N	0.02L	45.	10.	80.
72E270	200.N	500.	0.05N	0.02	40.	10.	60.
72E271S	200.N	700.	0.05N	0.02L	15.	20.	25.
72E272	200.N	300.	0.05N	0.02N	20.	10.	35.
72E273	200.N	200.	0.05N	0.02N	30.	10.	50.
72E274	200.N	500.	0.05N	0.02	10.	5.	25.
72E275	200.N	100.	0.05N	0.04	10.	5.	25.
72E276	200.N	100.	0.05N	0.02N	15.	5.	35.
72E277	200.N	150.	0.05N	0.02	5.	5.	25.

TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STRPAM SEDIMENT SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	S-FF%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU
72F278	56 08 26N	130 41 50W	3.00	1.00	2.00	0.70	1000.	0.5N	200.N	10.N
72F279	56 07 28N	130 40 08W	3.00	1.00	1.50	0.50	700.	0.5N	200.N	10.N
72F280	56 07 01N	130 39 19W	3.00	1.00	2.00	0.20	700.	0.5N	200.N	10.N
72E281	56 03 28N	130 37 56W	3.00	1.50	2.00	0.50	700.	0.5N	200.N	10.N
72E282	56 03 38N	130 45 04W	3.00	1.50	3.00	0.30	1000.	0.5N	200.N	10.N
72E283	56 03 06N	130 41 52W	5.00	1.50	3.00	0.30	1000.	0.5N	200.N	10.N
72E284	56 01 21N	130 47 29W	7.00	2.00	3.00	0.70	1500.	0.5N	200.N	10.N
72E285	56 00 35N	130 47 16W	5.00	2.00	3.00	0.30	1500.	0.5N	200.N	10.N
72E287	56 00 06N	130 47 29W	7.00	2.00	3.00	0.30	1500.	0.5N	200.N	10.N
72E289	56 01 30N	130 38 47W	15.00	3.00	5.00	0.70	1500.	0.5N	200.N	10.N
72E290	56 00 30N	130 39 24W	10.00	2.00	3.00	0.70	1500.	0.5N	200.N	10.N
72F301	56 06 29N	130 34 57W	5.00	1.00	1.50	0.50	700.	0.5N	200.N	10.N
72F302	56 05 41N	130 33 19W	3.00	0.70	2.00	0.30	500.	0.5N	200.N	10.N
72E303	56 06 00N	130 29 49W	3.00	1.00	3.00	0.50	500.	0.5N	200.N	10.N
72E304	56 05 03N	130 36 10W	7.00	1.50	2.00	0.30	1500.	0.5N	200.N	10.N
72E305	56 05 00N	130 36 02W	5.00	1.00	2.00	0.50	700.	0.5N	200.N	10.N
72F306	56 08 22N	130 37 52W	2.00	1.00	2.00	0.20	500.	0.5N	200.N	10.N
72S049	56 05 41N	130 35 56W	5.00	2.00	5.00	0.50	1500.	0.5N	200.N	10.N
72S050	56 04 51N	130 40 28W	5.00	2.00	5.00	0.50	1000.	0.5N	200.N	10.N
72S051	56 04 21N	130 40 17W	15.00	1.00	3.00	0.70	1500.	0.5N	200.N	10.N
72S052	56 03 53N	130 40 52W	7.00	3.00	5.00	0.70	1500.	0.5N	200.N	10.N
72S053	56 02 54N	130 43 18W	15.00	5.00	7.00	1.00	2000.	0.5N	200.N	10.N
72S055	56 01 20W	130 43 21W	7.00	1.50	3.00	0.30	700.	0.5N	200.N	10.N
72S074	56 04 16N	130 21 44W	10.00	5.00	5.00	0.50	1500.	0.5N	200.N	10.N
72S076S	56 02 37N	130 27 11W	7.00	0.15	5.00	0.50	1500.	0.5N	200.N	10.N
72S077	56 02 01N	130 30 56W	3.00	0.70	2.00	0.30	500.	0.5N	200.N	10.N
72S078	56 01 44N	130 35 15W	10.00	5.00	5.00	0.70	1500.	0.5N	200.N	10.N
72S079	56 01 20N	130 35 18W	10.00	3.00	5.00	0.70	1500.	0.5N	200.N	10.N
72S080S	56 00 01N	130 35 50W	7.00	2.00	3.00	1.00	1500.	0.5N	200.N	10.N
73R045	56 11 58N	130 29 25W	3.00	1.00	1.00	0.30	1000.	0.5	200.N	10.N
73R046	56 03 52N	130 40 27W	3.00	1.50	2.00	0.30	1000.	0.5N	200.N	10.N
73R047	56 03 14N	130 44 44W	5.00	2.00	2.00	0.50	1500.	0.5N	200.N	10.N
73E002	56 00 15N	131 14 20W	5.00	2.00	2.00	0.50	1000.	0.5N	200.N	10.N
73E004	56 00 50N	131 12 41W	5.00	3.00	2.00	0.30	1500.	0.5L	200.N	10.N
73E008	56 01 55N	131 10 40W	3.00	1.50	1.50	0.50	3000.	0.5N	200.N	10.N
73E009	56 02 01N	131 10 15W	3.00	2.00	1.50	0.30	1000.	0.5N	200.N	10.N
73E011	56 02 36N	131 08 48W	5.00	1.50	1.50	0.30	1500.	0.5N	200.N	10.N
73E012	56 00 10N	131 15 14W	5.00	2.00	2.00	0.50	700.	0.5N	200.N	10.N
73E013	56 00 08N	131 15 27W	3.00	1.50	1.50	0.20	700.	0.5N	200.N	10.N
73F058	56 00 41N	130 26 25W	3.00	0.70	1.50	0.50	700.	0.5N	200.N	10.N
73E059	56 00 40N	130 26 34W	7.00	0.70	1.50	0.50	700.	0.5N	200.N	10.N
73E060	56 01 25N	130 27 16W	3.00	1.50	2.00	0.50	1000.	0.5N	200.N	10.N
73E061	56 01 22N	130 27 11W	5.00	1.00	1.50	0.50	500.	0.5N	200.N	10.N
73E062	56 01 03N	130 31 06W	3.00	1.00	1.50	0.30	500.	0.5N	200.N	10.N
73E063	56 01 03N	130 31 11W	3.00	1.00	1.50	0.20	700.	0.5N	200.N	10.N
73E064	56 01 56N	130 35 50W	3.00	1.50	2.00	0.50	1000.	0.5N	200.N	10.N
73E124	56 02 47N	130 23 50W	3.00	2.00	2.00	0.30	1000.	0.5L	200.N	10.N
73F129	56 04 20W	130 22 13W	3.00	3.00	3.00	0.30	1500.	0.5	200.N	10.N
73E130	56 03 26N	130 19 10W	3.00	2.00	2.00	0.30	1000.	0.5	200.N	10.N
73E131	56 02 37N	130 17 12W	3.00	2.00	2.00	0.30	1000.	0.5N	200.N	10.N

TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	S-RA	S-RE	S-RI	S-CD	S-CU	S-CR	S-CU	S-LA	S-MO
72E278	10.L	1.0L	10.N	20.N	7.	70.	30.	20.L	5.N
72E279	10.L	1.0L	10.N	20.N	5.	50.	7.	20.	5.N
72E280	10.L	1.0	10.N	20.N	5.	30.	30.	20.L	5.N
72E281	10.L	1.0	10.N	20.N	7.	30.	7.	20.	5.N
72E282	10.L	1.0	10.N	20.N	10.	70.	10.	20.L	5.N
72E283	10.L	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E284	10.	1.0	10.N	20.N	15.	150.	10.	20.L	5.N
72E285	10.L	1.0	10.N	20.N	10.	70.	15.	100.	5.N
72E287	10.L	1.0	10.N	20.N	10.	70.	10.	20.	5.N
72E289	10.L	1.0L	10.N	20.N	20.	150.	20.	150.	5.L
72E290	10.L	1.0	10.N	20.N	20.	150.	30.	500.	5.L
72E301	10.L	1.0	10.N	20.N	15.	70.	30.	30.	5.L
72E302	10.L	1.0L	10.N	20.N	5.	10.	5.L	20.L	5.N
72E303	10.L	1.0	10.N	20.N	10.	70.	5.L	70.	5.N
72E304	10.L	1.0	10.N	20.N	15.	20.	10.	30.	5.N
72E305	10.L	1.0L	10.N	20.N	10.	50.	5.	150.	5.N
72E306	10.L	1.0	10.N	20.N	5.	30.	7.	20.L	5.N
72E309	10.L	1.0	10.N	20.N	5.	50.	30.	20.	5.N
72E310	10.N	1.0	10.N	20.N	10.	70.	100.	150.	5.L
72E311	10.N	1.0	10.N	20.N	7.	50.	50.	70.	5.L
72E312	10.N	1.0L	10.N	20.N	10.	70.	30.	50.	5.L
72E313	10.N	1.0	10.N	20.N	20.	200.	150.	150.	5.L
72E314	10.N	1.0	10.N	20.N	15.	100.	70.	30.	5.L
72E315	10.N	2.0	10.N	20.N	20.	150.	150.	20.L	5.L
72E316	10.N	1.5	10.N	20.N	10.	70.	100.	150.	5.L
72E317	10.L	1.5	10.N	20.N	5.L	20.	20.	30.	5.N
72E318	10.L	1.0	10.N	20.N	30.	150.	50.	150.	5.L
72E319	10.L	1.0	10.N	20.N	20.	150.	70.	150.	5.L
72E320	10.L	1.0	10.N	20.N	7.	70.	20.	200.	5.L
72E321	10.N	1.0	10.N	20.N	10.	10.	50.	50.	5.N
72E322	10.N	1.0	10.N	20.N	10.	20.	15.	30.	5.N
72E323	10.N	1.0	10.N	20.N	15.	100.	30.	30.	5.N
72E324	10.N	1.0	10.N	20.N	20.	50.	10.	50.	5.N
72E325	10.N	1.0	10.N	20.N	20.	700.	50.	20.	20.
72E326	10.N	1.0	10.N	20.N	20.	70.	30.	30.	5.L
72E327	10.N	1.0	10.N	20.N	20.	100.	20.	20.	5.N
72E328	10.N	1.0	10.N	20.N	15.	150.	10.	50.	5.N
72E329	10.N	1.0	10.N	20.N	20.	150.	10.	100.	5.N
72E330	10.N	1.0	10.N	20.N	7.	100.	15.	200.	5.N
72E331	10.N	1.0	10.N	20.N	10.	100.	30.	100.	5.N
72E332	10.N	1.0	10.N	20.N	7.	20.	30.	200.	5.N
72E333	10.N	1.0	10.N	20.N	7.	15.	20.	70.	5.N
72E334	10.N	1.0	10.N	20.N	7.	30.	20.	100.	5.N
72E335	10.N	1.0	10.N	20.N	15.	70.	30.	200.	5.N
72E336	10.N	1.0	10.N	20.N	20.	70.	70.	20.	5.N
72E337	10.N	1.0	10.N	20.N	20.	100.	70.	20.	5.N
72E338	10.N	1.0	10.N	20.N	20.	100.	70.	20.	5.N
72E339	10.N	1.0	10.N	20.N	20.	100.	70.	20.	5.N
72E340	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E341	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E342	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E343	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E344	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E345	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E346	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E347	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E348	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E349	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E350	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E351	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E352	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E353	10.N	1.0L	10.N	20.N	15.	100.	70.	20.	5.N
72E354	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E355	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E356	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E357	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E358	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E359	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E360	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E361	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E362	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E363	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E364	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E365	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E366	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E367	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E368	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E369	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E370	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E371	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E372	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E373	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E374	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E375	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E376	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E377	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E378	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E379	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E380	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E381	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E382	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E383	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E384	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E385	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E386	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E387	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E388	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E389	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E390	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E391	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E392	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E393	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E394	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E395	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E396	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E397	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E398	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E399	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E400	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E401	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E402	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E403	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E404	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E405	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E406	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E407	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E408	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E409	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E410	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E411	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E412	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E413	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E414	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E415	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E416	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E417	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E418	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E419	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E420	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E421	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E422	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E423	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E424	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E425	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E426	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E427	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E428	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E429	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E430	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N
72E431	10.N	1.0	10.N	20.N	15.	100.	70.	20.	5.N

TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	S=HR	S=HT	S=PB	S=SR	S=SC	S=SN	S=SR	S=V	S=W	S=Y
72E27R	10.	15.	20.	100.N	15.	10.N	700.	150.	50.N	15.
72E27O	10.	15.	20.	100.N	15.	10.N	700.	150.	50.N	15.
72E28O	10.L	10.	20.	100.N	7.	10.N	700.	150.	50.N	10.
72E281	10.L	10.	20.	100.N	15.	10.N	1000.	150.	50.N	15.
72E282	10.L	15.	20.	100.N	20.	10.N	1000.	150.	50.N	15.
72E283	10.L	20.	30.	100.N	15.	10.N	500.	200.	50.N	20.
72E284	10.	20.	15.	100.N	30.	10.N	500.	300.	50.N	20.
72E285	10.	15.	20.	100.N	20.	10.N	500.	200.	50.N	50.
72E287	10.	15.	15.	100.N	20.	10.N	300.	300.	50.N	30.
72E289	10.	20.	20.	100.N	30.	10.N	700.	500.	50.N	70.
72E290	10.	20.	20.	100.N	30.	10.N	500.	300.	50.N	30.
72E301	10.	20.	20.	100.N	15.	10.N	300.	150.	50.N	15.
72E302	10.L	5.L	15.	100.N	10.	10.N	700.	150.	50.N	15.
72E303	10.	5.	20.	100.N	15.	10.N	700.	200.	50.N	30.
72E304	10.	10.	70.	100.N	15.	10.N	1500.	300.	50.N	20.
72E305	10.	10.	30.	100.N	10.	10.N	1500.	200.	50.N	30.
72E306	10.L	7.	20.	100.N	10.	10.N	700.	100.	50.N	10.
728049	10.	5.L	30.	100.N	10.	10.N	1500.	200.	50.N	30.
728050	10.	15.	20.	100.N	15.	10.N	700.	200.	50.N	30.
728051	10.	5.L	50.	100.N	15.	10.N	1500.	300.	50.N	30.
728052	10.	15.	20.	100.N	20.	10.N	1000.	150.	50.N	30.
728053	10.	20.	100.	100.N	30.	10.N	700.	500.	50.N	50.
728055	10.	20.	50.	100.N	15.	10.N	700.	200.	50.N	20.
728074	10.	20.	50.	100.N	20.	10.N	1000.	300.	50.N	20.
728076S	10.	20.	50.	100.N	20.	10.N	1000.	300.	50.N	50.
728077	10.	7.	30.	100.N	7.	10.N	700.	100.	50.N	20.
72807P	10.	70.	30.	100.N	30.	10.N	700.	300.	50.N	30.
728079	10.	50.	30.	100.N	30.	10.N	1000.	200.	50.N	50.
728080S	15.	15.	20.	100.N	20.	10.N	700.	200.	50.N	50.
73A045	20.N	70.	50.	100.N	10.	10.N	1000.	100.	50.N	15.
73A046	20.L	5.	20.	100.N	15.	10.N	1000.	150.	50.N	20.
73A047	20.L	20.	10.	100.N	20.	10.N	700.	300.	50.N	20.
73E002	20.L	15.	10.L	100.N	20.	10.N	300.	150.	50.N	20.
73E004	20.N	50.	10.	100.N	20.	10.N	300.	150.	50.N	20.
73E009	20.N	20.	10.	100.N	15.	10.N	300.	100.	50.N	20.
73E011	20.N	15.	10.L	100.N	15.	10.N	500.	150.	50.N	20.
73E012	20.L	30.	10.	100.N	20.	10.N	500.	200.	50.N	15.
73E013	20.N	20.	10.	100.N	15.	10.N	500.	100.	50.N	20.
73E05A	20.L	5.	20.	100.N	10.	10.N	700.	100.	50.N	20.
73E05O	20.	5.	15.	100.N	10.	10.N	700.	200.	50.N	30.
73E060	20.L	20.	15.	100.N	15.	10.N	500.	200.	50.N	20.
73E061	20.L	5.L	15.	100.N	10.	10.N	700.	150.	50.N	20.
73F062	20.L	5.L	20.	100.N	7.	10.N	700.	100.	50.N	15.
73E063	20.L	10.	15.	100.N	10.	10.N	500.	100.	50.N	20.
73E064	20.L	20.	15.	100.N	20.	10.N	700.	150.	50.N	15.
73E12A	20.N	30.	10.	100.N	30.	10.L	700.	200.	50.N	20.
73E129	20.L	30.	20.	100.N	20.	10.	1000.	200.	50.N	20.
73E130	20.L	15.	20.	100.N	20.	10.L	1000.	150.	50.N	20.
73F131	20.N	15.	10.	100.	20.	10.N	700.	150.	50.N	20.

TABLE 5. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - STREAM SEDIMENT SAMPLES.

SAMPLE	S-ZN	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PB-P	AA-ZN-P
72E278	200.N	200.	0.05N	0.02N	10.	5.L	25.
72E279	200.N	100.	0.05N	0.02N	15.	5.	30.
72E280	200.N	200.	0.05N	0.02N	15.	5.	25.
72E281	200.N	50.	0.05N	0.02N	15.	5.L	50.
72E282	200.N	70.	0.05N	0.02N	10.	5.	50.
72E283	200.N	500.	0.05N	0.02N	10.	15.	60.
72E284	200.N	200.	0.05N	0.06	20.	5.	40.
72E285	200.N	300.	0.05N	0.02L	25.	5.L	35.
72E287	200.N	300.	0.05N	0.06	20.	5.	30.
72E289	200.N	300.	0.05N	0.02L	35.	5.	40.
72E290	200.N	200.	0.05N	0.02L	25.	5.	45.
72E301	200.N	200.	0.05N	0.18	50.	10.	70.
72E302	200.N	300.	0.05N	0.06	5.	10.	60.
72E303	200.N	500.	0.05N	0.02L	5.	10.	30.
72E304	200.N	100.	0.05N	0.02	15.	20.	50.
72E305	200.N	200.	0.05N	0.02N	10.	10.	30.
72E306	200.N	50.	0.05N	0.02N	25.	5.	30.
72E309	200.N	300.	0.05N	0.08	15.	5.	20.
72E350	200.N	200.	0.05N	0.12	20.	5.	50.
72E351	200.N	1000.	0.05N	0.16	5.	5.	20.
72E352	200.N	300.	0.05N	0.12	15.	10.	45.
72E353	200.N	700.	0.05N	0.12	20.	5.	40.
72E355	200.N	100.	0.05N	0.02	40.	5.	30.
72E374	200.N	500.	0.15	0.10	55.	20.	55.
72E376S	200.N	150.	0.05N	0.08	30.	20.	45.
72E377	200.N	70.	0.05N	0.16	10.	5.	30.
72E378	200.N	300.	0.05N	0.10	30.	10.	70.
72E379	200.N	500.	0.05N	0.22	35.	10.	95.
72E380S	200.N	500.	0.25N	0.08	15.	10.	55.
73E045	200.N	200.	0.05N	0.02	45.	35.	75.
73E046	200.N	500.	0.05N	0.02	15.	5.	20.
73E047	200.N	700.	0.15	0.02	45.	10.	55.
73E002	200.	150.	0.25N	0.40	20.	15.	75.
73E004	200.	50.	0.05N	0.08	90.	10.	75.
73E008	200.L	100.	0.10N	0.20	25.	10.	110.
73E009	200.N	100.	0.05N	0.28	20.	10.	55.
73E011	200.N	70.	0.25N	0.08	15.	10.	55.
73E012	200.N	70.	0.05N	0.08	25.	10.	60.
73E013	200.N	100.	0.05N	0.08	75.	10.	65.
73E058	200.N	1000.	0.05N	0.02	15.	5.	45.
73E059	200.N	1000.	0.05N	0.04	10.	5.	30.
73E060	200.N	1000.	0.05N	0.02	20.	10.	45.
73E061	200.N	300.	0.05N	0.02L	10.	5.	45.
73E062	200.N	500.	0.05N	0.02	10.	5.	35.
73E063	200.N	200.	0.05N	0.02	15.	5.	30.
73E064	200.N	200.	0.05N	0.02	35.	5.	50.
73E128	200.N	70.	0.05N	0.04	90.	120.	70.
73E129	200.N	150.	0.05N	0.06	80.	45.	60.
73E130	200.N	150.	0.05N	0.02	45.	20.	35.
73E131	200.N	70.	0.05N	0.04	50.	15.	45.

TABLE 6. U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEUCHEM SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-Al
6RCK04S	56 00 04N	130 04 13W	10.00	3.00	7.00	0.50	700.	0.5N	200.0	10.0
6RCK05SA	56 00 12N	130 04 12W	20.00G	0.02L	0.05L	0.00L	150.	30.0	200.1	10.0
6RCK05SR	56 00 12N	130 04 12W	15.00	0.30	5.00	0.05	700.	70.0	200.1	15.
6RCK05SC	56 00 12N	130 04 12W	20.00G	0.07	0.05	0.02	200.	200.0	200.1	30.
6RCK05SD	56 00 12N	130 04 12W	20.00G	0.02L	0.05L	0.00L	100.	30.0	200.1	10.0
6RCK05SE	56 00 12N	130 04 12W	15.00	5.00	3.00	0.70	1000.	0.5N	200.1	10.0
6RCK07H	56 02 47N	130 17 24W	7.00	3.00	3.00	0.70	5000.	0.5L	200.0	10.0
6RCK09S	56 01 00N	130 17 06W	5.00	3.00	5.00	0.20	1000.	3.0	200.1	10.0
6RCK10S	56 01 12N	130 17 18W	10.00	5.00	3.00	1.00	700.	0.5L	200.1	10.0
6RCK18RH	56 02 00N	130 18 20W	15.00	3.00	3.00	0.50	1500.	0.5N	200.0	10.0
6RCK20RH	56 00 29N	130 21 41W	3.00	0.15	0.50	0.30	700.	0.5N	200.0	10.0
6RCK29RH	56 04 23N	130 17 03W	10.00	5.00	10.00	0.70	2000.	0.5N	200.0	10.0
6RCK29RH	56 02 22N	130 17 41W	10.00	2.00	10.00	0.30	3000.	0.5N	200.0	10.0
6RCK30H	56 04 58N	130 11 06W	20.00	5.00	5.00	1.00	3000.	0.5N	200.0	10.0
6RCK44S	56 02 52N	130 05 21W	5.00	1.50	1.00	0.20	500.	1.5	200.1	10.0
6RCK45S	56 04 42N	130 05 42W	7.00	2.00	2.00	0.30	1000.	0.5L	200.1	10.0
6RCK46S	56 04 50N	130 03 41W	20.00	5.00	10.00	0.50	2000.	0.5N	200.0	10.0
6RCK47S	56 03 37N	130 03 52W	5.00	2.00	1.50	0.50	700.	0.5L	200.1	10.0
6RCK48S	56 04 24N	130 03 42W	15.00	3.00	5.00	0.70	2000.	0.5N	200.1	10.0
6RCK49H	56 02 48N	130 03 12W	15.00	3.00	10.00	1.00	2000.	0.5N	200.0	10.0
6RCK50H	56 02 24N	130 03 18W	15.00	5.00	3.00	1.00	3000.	1.5	200.1	10.0
6RCK52S	56 02 02N	130 04 09W	2.00	0.15	0.07	0.10	150.	0.5N	200.1	10.0
6RCK27	56 01 48H	130 06 39W	3.00	1.50	1.50	0.15	700.	0.5N	200.0	10.0
6RCK39	56 00 19N	130 03 03W	3.00	0.30	0.10	0.15	300.	30.0	200.1	10.0
6RCK40	56 00 18N	130 03 03W	0.05N	1.00	0.07	0.20	700.	150.0	200.0	10.0
6RCK41	56 00 18N	130 03 03W	15.00	1.00	0.15	0.20	300.	300.0	200.0	10.0
6RCK42	56 00 18N	130 03 03W	10.00	3.00	2.00	0.70	1000.	1.0	200.0	10.0
6RCK67	56 01 50N	130 18 46W	3.00	2.00	7.00	0.30	1500.	0.5N	200.0	10.0
6RCK055H	56 03 55N	130 04 09W	3.00	1.00	1.50	0.15	500.	0.5L	200.1	10.0
6RCK062	56 04 15N	130 03 27W	20.00	1.50	3.00	0.15	700.	0.5L	1500.	10.0
6RCK1133C	56 04 29N	130 08 04W	10.00	2.00	3.00	0.50	2000.	0.5N	200.0	10.0
6RCK136	56 05 34N	130 15 31W	5.00	1.50	3.00	0.30	700.	0.5L	200.0	10.0
6RCK13H	56 05 22N	130 15 37W	20.00	5.00	5.00	0.70	2000.	0.5L	200.0	10.0
6RCK130H	56 05 13N	130 16 15W	3.00	1.50	1.50	0.30	300.	0.5L	200.1	10.0
6RCK150A	56 00 40N	130 02 05W	20.00G	5.00	2.00	1.00	1500.	7.0	700.	10.0
6RCK150R	56 00 40N	130 02 05W	20.00G	3.00	0.50	0.70	700.	15.0	1000.	10.0
6RCK161	56 01 48N	130 13 04W	3.00	1.50	2.00	0.15	700.	0.5N	200.0	10.0
6RCK164R	56 05 20N	130 17 50W	3.00	2.00	1.50	0.15	300.	0.7	200.0	10.0
6RCK173R	56 00 37N	130 19 48W	5.00	2.00	5.00	0.20	700.	0.7	200.0	10.0
6RCK180C	56 04 12N	130 13 59W	7.00	2.00	2.00	0.30	700.	0.5	200.0	10.0
6RCK1211	56 01 01N	130 00 37W	7.00	0.70	0.30	0.30	300.	0.5L	200.0	10.0
72R065	56 01 35N	130 42 51W	3.00	2.00	3.00	0.50	1500.	0.5N	200.0	10.0
72R09A	56 02 50N	130 30 02W	3.00	0.70	3.00	0.15	1000.	0.5N	200.1	10.0
72R09A	56 02 03N	130 33 19W	2.00	0.50	1.00	0.15	300.	0.5N	200.0	10.0
72R440	56 00 19N	130 51 26W	0.70	0.07	1.50	0.02	100.	0.5N	200.0	10.0
72R440A	56 00 19N	130 51 26W	1.50	0.30	0.50	0.30	150.	0.5N	200.0	10.0
72R442A	56 09 41N	130 31 52W	1.50	0.20	0.50	0.15	300.	0.5N	200.0	10.0
72R442N	56 09 41N	130 31 52W	15.00	5.00	7.00	1.00	1500.	0.5N	200.0	10.0
72R442C	56 09 41N	130 31 52W	15.00	3.00	7.00	1.00G	2000.	1.5	200.1	10.0
72R442D	56 09 41N	130 31 52W	1.00	0.15	1.50	0.15	150.	0.5N	200.0	10.0

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-B	S-BA	S-BF	S-RI	S-CD	S-CQ	S-CR	S-CU	S-LA	S-MD
6RCK04S	10.L	2000.	1.0	10.N	20.N	15.	30.	20.	30.	5.N
6RCK05SA	100.	20.L	1.0N	10.N	20.N	10.	15.	700.	20.L	30.
6RCK05SR	15.	3000.	1.0N	10.N	20.N	10.	15.	500.	20.	15.
6RCK05SC	150.	300.	1.0N	10.N	20.N	15.	15.	700.	20.L	70.
6RCK05SD	70.	20.L	1.0N	10.N	20.N	10.	10.	150.	20.L	30.
6RCK05SE	10.	2000.	1.0L	10.N	20.N	10.	15.	70.	20.L	5.L
6RCK07H	20.	1000.	1.0L	10.N	20.N	5.	15.	50.	30.	5.N
6RCK09S	10.N	1500.	1.0	10.L	20.N	30.	20.	15.	20.L	15.
6RCK10S	10.	5000.	1.5	10.N	20.N	15.	200.	200.	20.	30.
6RCK1RAH	10.L	3000.	1.0	10.N	20.N	15.	15.	300.	20.L	5.N
6RCK20RH	10.L	1500.	1.0L	10.N	20.N	5.N	5.L	70.	70.	5.N
6RCK28H	10.	200.	1.0	10.N	20.N	20.	700.	30.	100.	5.L
6RCK29AH	10.L	1000.	1.0	10.N	20.N	15.	150.	200.	20.	30.
6RCK39H	10.L	2000.	1.0L	10.	20.N	20.	50.	200.	20.L	5.N
6RCK44S	30.	2000.	1.0	10.N	20.N	15.	10.	500.	20.	5.N
6RCK45S	10.	3000.	1.0	10.N	20.N	10.	10.	30.	20.	5.N
6RCK46S	15.	1500.	1.5	10.N	20.N	50.	300.	200.	20.L	5.
6RCK47S	30.	2000.	1.5	10.N	20.N	15.	15.	150.	20.	5.N
6RCK48S	20.	3000.	1.5	10.N	20.N	20.	15.	200.	30.	5.N
6RCK49S	15.	1000.	1.5	10.N	20.N	15.	50.	50.	50.	5.N
6RCK50S	15.	1500.	1.0	10.N	20.N	50.	70.	300.	20.L	5.N
6RCK52S	10.N	1500.	1.0	10.N	20.N	7.	5.N	15.	20.L	5.N
6RDN27	10.L	3000.	1.0	10.N	20.N	7.	5.	7.	20.	5.N
6RDN39	30.	5000.G	1.5	10.N	20.N	10.	15.	150.	20.L	150.
6RDN40	30.	5000.G	1.5	10.N	20.N	5.L	10.	200.	20.	5.L
6RDN41	30.	5000.G	1.5	10.N	20.N	15.	20.	3000.	20.L	5.L
6RDN42	10.	3000.	1.0	10.N	20.N	20.	70.	200.	20.	5.L
6RDN47	10.N	1500.	1.0L	10.N	20.N	7.	70.	70.	20.L	5.L
6RSJ055R	10.N	5000.	2.0	10.N	20.N	7.	7.	50.	30.	5.L
6RSJ062	50.	300.	1.0	10.N	20.N	1000.	30.	2000.	20.L	30.
6RSJ133C	10.L	5000.	1.0	10.N	20.N	10.	5.	300.	20.	5.N
6RSJ136	30.	1500.	1.0	10.N	20.N	15.	70.	100.	20.	5.
6RSJ13R	10.L	5000.	1.0L	10.N	20.N	15.	70.	200.	20.L	5.N
6RSJ139H	10.N	1500.	1.0	10.N	20.N	7.	30.	50.	20.L	7.
6RSJ150A	20.	1500.	1.0N	20.	20.N	50.	70.	1000.	20.L	7.
6RSJ150H	30.	1500.	1.0N	10.N	20.N	100.	70.	1500.	20.L	10.
6RSJ161	10.N	1500.	1.0	10.N	20.N	7.	30.	100.	20.L	5.N
6RSJ164R	10.N	1500.	1.0	10.N	20.N	10.	50.	100.	20.	5.L
6RSJ173H	10.L	1500.	1.0L	10.N	20.N	15.	100.	100.	20.	15.
6RSJ180C	10.L	1500.	1.0L	10.N	20.N	15.	70.	150.	20.L	5.L
6RSJ211	30.	1500.	1.0L	10.N	20.N	7.	70.	70.	20.L	5.L
72H065	10.L	700.	1.5	10.N	20.N	10.	100.	30.	20.	5.N
72H094	10.L	3000.	1.0	10.N	20.N	5.L	15.	30.	70.	5.N
72H098	10.L	2000.	1.0	10.N	20.N	5.N	10.L	20.	30.	5.N
72H440	10.N	1500.	1.0	10.N	20.N	5.N	10.N	70.	20.N	5.N
72H440A	10.L	200.	1.0L	10.N	20.N	7.	10.L	150.	20.N	5.N
72H442A	10.N	1500.	1.0	10.N	20.N	5.N	15.	100.	20.N	5.N
72H442R	10.L	200.	1.0N	10.N	20.N	30.	15.	70.	20.N	5.L
72H447C	10.L	150.	1.0L	10.N	20.N	30.	15.	700.	20.L	5.L
72H447D	10.N	300.	3.0	10.N	20.N	5.L	10.L	10.	50.	15.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S=NA	S=NI	S=PR	S=SR	S=SC	S=SN	S=SR	S=V	S=W	S=Y
6AC104S	10,L	7.	50.	100,N	15.	10,N	100,L	200.	50,F	20.
6AC105SA	10,L	5,L	7000.	100,L	5,L	10,N	500.	15.	50,L	10,L
6AC105SR	10.	5,L	20000.	100,N	5,L	10,N	100,L	20.	500.	10,L
6AC105SC	10,L	5,L	1000.	100,L	5,L	10,N	100,L	15.	50,L	10,L
6AC105SD	10,L	5,L	1500.	100,N	5,L	10,N	500.	10.	50,N	10,L
6AC105SE	10,L	5.	50.	100,N	15.	10,N	700.	300.	50,N	15.
6AC107H	10.	7.	15.	100,N	15.	10,N	700.	300.	50,N	20.
6AC109S	10,L	20.	2000.	100,N	10.	10,N	300.	150.	50,F	15.
6AC110S	10,L	70.	15.	100,N	30.	10,N	300.	700.	80,L	30.
6AC110PH	10,L	30.	10.	100,N	10.	10,N	1000.	200.	50,N	10.
6AC120RH	10,L	5,L	30.	100,N	5,L	10,N	100.	10.	50,N	10,L
6AC120RH	10.	70.	20.	100,N	20.	10,N	1500.	150.	50,L	30.
6AC120RH	10.	100.	10,L	100,N	5,N	10,N	500.	300.	50,N	30.
6AC139H	10,L	50.	10,L	100,N	30.	10,N	700.	500.	50,N	20.
6AC144S	10.	7.	15.	100,N	15.	10,N	300.	150.	50,N	15.
6AC145S	10.	50.	10,L	100,N	50.	10,N	1000.	300.	50,N	15.
6AC147S	10.	7.	10.	100,N	15.	10,N	300.	150.	50,N	15.
6AC148S	10.	30.	10,L	100,N	20.	10,N	700.	500.	50,N	15.
6AC149S	15.	50.	15.	100,N	20.	10,N	1500.	300.	50,N	20.
6AC150S	15.	70.	20.	100,N	15.	10,N	500.	500.	50,L	20.
6AC152S	10.	7.	15.	100,N	5,L	10,N	100.	100.	50,N	10,L
6AD127	10.	5,L	10,L	100,N	7.	10,N	500.	100.	50,N	15.
6AD139	10,L	7.	20000,G	100,L	7.	10,N	1500.	150.	50,L	10.
6AD140	10,L	5,L	20000,G	150.	15.	10,N	5000.	150.	50,N	15.
6AD141	10.	15.	20000,G	500.	15.	10,N	300.	150.	50,N	15.
6AD142	10.	30.	1500.	100,N	20.	10,N	500.	150.	50,N	20.
6AD167	10,L	70.	15.	100,N	7.	10,N	300.	150.	50,N	15.
6AS1055H	10.	5.	15.	100,N	7.	10,N	1000.	150.	50,N	15.
6AS1062	10.	100.	10.	100,N	20.	10,N	300.	150.	50,N	20.
6AS1133C	10.	5,L	10.	100,N	10.	10,N	700.	150.	50,N	15.
6AS1136	10.	30.	30.	100,N	15.	10,N	700.	150.	50,N	20.
6AS113H	10.	20.	15.	100,N	30.	10,N	1000.	500.	50,N	20.
6AS1139H	10.	20.	10,L	100,N	15.	10,N	300.	150.	50,N	15.
6AS1150A	10,L	70.	150.	100,N	30.	10,N	100,L	500.	50,N	15.
6AS1150H	10.	70.	200.	100,N	30.	10,N	100,L	300.	50,N	10.
6AS1161	10,L	10.	10,L	100,N	10.	10,N	500.	150.	50,N	10.
6AS1164R	10.	30.	30.	100,N	7.	10,N	300.	150.	50,N	10.
6AS1173H	10.	70.	70.	100,N	15.	10,N	300.	200.	50,N	20.
6AS1180C	10.	20.	15.	100,N	15.	10,N	500.	150.	50,N	20.
6AS1211	10,L	5,L	20.	100,N	15.	10,N	150.	100.	50,N	15.
72H065	10.	30.	10.	100,N	20.	10,N	300.	150.	50,N	50.
72H094	10.	5.	70.	100,N	7.	10,N	1500.	100.	50,N	30.
72H09R	10,L	5,L	30.	100,N	5,N	10,N	700.	50.	50,N	15.
72H440	10,N	5,L	30.	100,N	5,N	10,N	500.	10.	50,N	10,N
72H440A	10,L	50.	10,N	100,N	5,N	10,N	100.	100.	50,N	10,N
72H442A	10.	5.	50.	100,N	50.	10,N	150.	30.	50,N	20.
72H442H	10,L	50.	15.	100,N	50.	10,N	300.	700.	50,N	30.
72H442C	10.	30.	10,N	100,N	50.	10,N	150.	700.	50,N	30.
72H442D	10,L	5.	20.	100,N	5,L	10,N	300.	30.	50,N	10.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-ZN	S-ZR	AA-AU-P	INST-HC	AA-CU-P	AA-PR-P	AA-ZN-P
6ACK04S	200.L	150.	0.02L	0.00R	0.B	0.B	0.B
6ACK05SA	200.L	10.L	4.40	0.00B	0.B	0.B	0.B
6ACK05SR	200.N	10.L	7.80	0.00H	0.B	0.B	0.B
6ACK05SC	200.N	30.	20.00	0.00R	0.B	0.B	0.B
6ACK05SD	200.N	20.	2.00	0.00R	0.B	0.B	0.B
6ACK05SE	200.N	70.	0.10	0.00B	0.B	0.B	0.B
6ACK07H	200.L	200.	0.02L	0.00R	0.B	0.B	0.B
6ACK09S	200.N	70.	0.02L	0.00R	0.B	0.B	0.B
6ACK10S	200.N	150.	0.02L	0.00R	0.B	0.B	0.B
6ACK18RH	200.N	50.	0.02L	0.00H	0.B	0.B	0.B
6ACK20RH	200.N	200.	0.02L	0.00R	0.B	0.B	0.B
6ACK28H	200.L	70.	0.02L	0.00R	0.B	0.B	0.B
6ACK29RH	200.L	150.	0.02L	0.00R	0.B	0.B	0.B
6ACK39H	200.L	70.	0.02L	0.00B	0.B	0.B	0.B
6ACK44S	200.N	70.	0.20	0.00R	0.B	0.B	0.B
6ACK45S	200.L	150.	0.10	0.00R	0.B	0.B	0.B
6ACK46S	200.L	50.	0.02L	0.00R	0.B	0.B	0.B
6ACK47S	200.L	50.	0.02L	0.00B	0.B	0.B	0.B
6ACK48R	200.L	50.	0.02L	0.00H	0.B	0.B	0.B
6ACK49S	200.L	500.	0.02L	0.00R	0.B	0.B	0.B
6ACK50S	200.L	70.	0.02L	0.00R	0.B	0.B	0.B
6ACK52S	200.L	70.	0.02L	0.00H	0.B	0.B	0.B
6AD127	200.N	70.	0.02L	0.00B	0.B	0.B	0.B
6AD139	500.	20.	16.00	0.00B	0.B	0.B	0.B
6ADA40	300.	20.	1.20	0.00R	0.B	0.B	0.B
6ADN41	500.	70.	17.00	0.00B	0.B	0.B	0.B
6ADN42	200.L	100.	0.02L	0.00R	0.B	0.B	0.B
6ADN67	200.L	70.	0.02L	0.00R	0.B	0.B	0.B
6ASU055H	200.N	70.	0.02L	0.00B	0.B	0.B	0.B
6ASU062	200.L	10.L	0.04	0.00R	0.B	0.B	0.B
6ASU133C	200.L	300.	0.02L	0.00R	0.B	0.B	0.B
6ASU136	200.	70.	0.02L	0.00B	0.B	0.B	0.B
6ASU138	200.L	70.	0.02L	0.00R	0.B	0.B	0.B
6ASU139H	200.L	70.	0.02L	0.00H	0.B	0.B	0.B
6ASU150A	200.L	10.L	0.60	0.00B	0.B	0.B	0.B
6ASU150R	200.L	10.L	3.40	0.00R	0.B	0.B	0.B
6ASU161	200.L	30.	0.02L	0.00B	0.B	0.B	0.B
6ASU164R	200.	70.	0.02L	0.00R	0.B	0.B	0.B
6ASU173R	300.	70.	0.02L	0.00R	0.B	0.B	0.B
6ASU180C	200.N	70.	0.02L	0.00B	0.B	0.B	0.B
6ASU211	200.N	70.	0.02	0.00R	0.B	0.B	0.B
72R065	200.N	150.	0.05N	0.06	5.L	10.	65.
72R09A	200.N	100.	0.05N	0.06	15.	10.	10.
72R09R	200.N	300.	0.05N	0.08	10.	5.	30.
72R440	200.N	70.	0.05N	0.02N	5.L	5.	10.
72R440A	200.N	10.L	0.05N	0.02N	100.	5.	25.
72R442A	200.N	100.	0.05N	0.02L	110.	15.	30.
72R442R	200.N	100.	0.05N	0.02	P0.	5.L	10.
72R442C	200.N	150.	0.05N	0.04	420.	5.	45.
72R442D	200.N	100.	0.05N	0.02	10.	5.	5.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	S-FF%	S-MC%	S-CA%	S-TJ%	S-MN	S-AG	S-AS	S-AU
72R443	56 06 02N	130 29 44W	5.00	2.00	3.00	0.50	1000.	0.5N	200.N	10.N
72R444	56 05 07N	130 36 10W	2.00	0.70	2.00	0.20	1000.	0.5N	200.N	10.N
72R445	56 10 06N	130 36 54W	1.00	0.15	0.30	0.07	300.	0.5N	200.N	10.N
72R446	56 10 38N	130 36 21W	1.50	0.20	0.70	0.15	300.	0.5N	200.N	10.N
72R451	56 04 32N	130 45 12W	1.50	0.15	1.00	0.10	300.	0.5N	200.N	10.N
72R474	56 09 00W	130 43 23W	0.70	0.10	0.30	0.07	200.	0.5N	200.N	10.N
72R474A	56 09 00N	130 43 23W	10.00	3.00	5.00	0.70	1500.	0.5N	200.N	10.N
72R475A	56 08 29N	130 44 44W	2.00	0.50	1.50	0.20	200.	0.5N	200.N	10.N
72R475R	56 08 29N	130 44 44W	3.00	2.00	5.00	0.50	1000.	0.5N	200.N	10.N
72R476	56 08 02N	130 44 55W	5.00	2.00	5.00	0.70	1000.	0.5N	200.N	10.N
72R477	56 07 00N	130 45 45W	3.00	0.70	1.50	0.30	1000.	0.5N	200.N	10.N
72R478	56 05 49N	130 45 43W	2.00	0.20	1.50	0.20	700.	0.5N	200.N	10.N
72R479	56 04 46N	130 45 48W	7.00	2.00	3.00	0.50	1000.	0.5N	200.N	10.N
72R480	56 03 48N	130 46 40W	2.00	1.50	2.00	0.20	700.	0.5N	200.N	10.N
72R491	56 02 54N	130 47 35W	7.00	2.00	3.00	0.20	1500.	0.5N	200.N	10.N
72R492	56 01 59N	130 48 22W	1.50	0.50	1.00	0.30	300.	0.5N	200.N	10.N
72R493	56 01 28N	130 51 19W	7.00	1.50	2.00	0.70	700.	0.5N	200.N	10.N
72R494	56 00 35N	130 52 54W	1.00	0.15	1.50	0.15	300.	0.5N	200.N	10.N
72R506	56 03 33N	130 43 21W	3.00	1.50	2.00	0.30	700.	0.5N	200.N	10.N
72R507	56 05 41N	130 41 17W	3.00	1.00	3.00	0.30	700.	0.5N	200.N	10.N
72R508	56 09 04N	130 42 43W	3.00	0.70	1.00	0.20	300.	0.5N	200.N	10.N
72R509	56 06 41N	130 43 40W	0.70	0.15	1.00	0.30	300.	0.5N	200.N	10.N
72R510	56 06 23N	130 41 49W	1.50	0.10	1.50	0.20	150.	0.5N	200.N	10.N
72R511	56 07 09N	130 42 04W	1.50	0.50	1.50	0.20	300.	0.5N	200.N	10.N
72R511A	56 07 09N	130 42 04W	3.00	1.00	2.00	0.30	700.	0.5N	200.N	10.N
72R512	56 05 48N	130 43 26W	0.70	0.15	1.50	0.07	150.	0.5N	200.N	10.N
72R513	56 04 17N	130 43 43W	0.50	0.15	1.00	0.03	200.	0.5N	200.N	10.N
72R514	56 02 16N	130 44 50W	0.10	0.02	0.15	0.02	50.	0.5N	200.N	10.N
72R515	56 00 30N	130 45 59W	1.50	0.70	1.50	0.20	500.	0.5N	200.N	10.N
72R516	56 00 45N	130 48 17W	1.50	1.00	5.00	0.50	500.	0.5N	200.N	10.N
72R517	56 00 04N	130 50 20W	10.00	2.00	0.70	0.50	2000.	0.5N	200.N	10.N
72R534	56 00 32N	130 40 57W	10.00	0.70	1.00	0.30	700.	0.5N	200.N	10.N
72R535	56 01 58N	130 39 40W	1.50	0.50	0.70	0.20	300.	0.5N	200.N	10.N
72R536	56 03 10N	130 38 56W	2.00	1.00	2.00	0.50	700.	0.5N	200.N	10.N
72R536A	56 03 10N	130 38 56W	7.00	3.00	5.00	0.30	1000.	0.5N	200.N	10.N
72R537	56 03 46N	130 40 15W	1.50	0.50	1.00	0.15	300.	0.5N	200.N	10.N
72R538	56 02 09N	130 41 24W	5.00	3.00	2.00	0.50	1500.	0.5N	200.N	10.N
72R579	56 00 39N	130 33 17W	3.00	0.70	1.50	0.30	500.	0.5N	200.N	10.N
72R579A	56 00 39N	130 33 17W	0.05N	0.021	0.051	0.005	10.	0.5N	200.N	10.N
72R580	56 00 42N	130 28 34W	3.00	0.70	1.50	0.50	700.	0.5N	200.N	10.N
72R580A	56 00 42N	130 28 34W	2.00	0.50	1.50	0.20	300.	0.5N	200.N	10.N
72R580R	56 00 42N	130 28 34W	1.50	0.15	0.30	0.15	500.	0.5N	200.N	10.N
72R581	56 00 59N	130 25 42W	7.00	3.00	1.50	0.50	700.	0.5N	200.N	10.N
72R581A	56 00 59N	130 25 42W	0.30	0.15	0.50	0.03	150.	0.5N	200.N	10.N
72R581R	56 00 59N	130 25 42W	1.50	0.70	1.00	0.20	500.	0.5N	200.N	10.N
72R582	56 00 43N	130 24 16W	1.50	0.30	1.50	0.30	500.	0.5N	200.N	10.N
72R583	56 01 01N	130 24 32W	10.00	1.50	1.50	1.00	1500.	0.5N	200.N	10.N
72R583A	56 01 01N	130 24 32W	1.50	0.30	0.70	0.15	700.	0.5N	200.N	10.N
72R583R	56 01 01N	130 24 32W	7.00	1.00	0.70	0.30	700.	0.5N	200.N	10.N
72R593C	56 01 01N	130 24 32W	15.00	2.00	0.30	1.00	2000.	15.0	200.N	10.N

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-R	S-RA	S-BE	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MN
72B443	10.L	1500.	1.0L	10.N	20.N	7.N	30.	5.	30.	5.N
72B444	10.L	3000.	1.0	10.N	20.N	5.N	15.	5.L	70.	5.N
72B445	10.N	1500.	1.0L	10.N	20.N	5.N	10.N	7.	20.L	5.N
72B446	10.N	1000.	1.0	10.N	20.N	5.N	10.N	5.L	30.	5.N
72B451	10.N	5000.G	1.0L	10.N	20.N	5.N	10.N	5.L	20.N	5.N
72B474	10.N	300.	1.0L	10.N	20.N	5.N	70.	5.	20.N	5.N
72B474A	10.L	1500.	1.0L	10.N	20.N	10.	70.	30.	20.L	5.N
72B475A	10.N	5000.G	1.0L	10.N	20.N	5.N	15.	20.	20.N	5.N
72B476	10.N	1500.	1.0	10.N	20.N	10.	70.	30.	20.	5.N
72B477	10.N	1500.	1.0	10.N	20.N	10.	15.	30.	20.L	5.N
72B478	10.N	2000.	1.0	10.N	20.N	5.N	10.N	20.	20.N	5.N
72B479	10.L	500.	1.0	10.N	20.N	15.	10.L	30.	30.	5.N
72B480	10.N	1500.	1.5	10.N	20.N	5.L	70.	15.	30.	5.N
72B481	10.L	1500.	1.0	10.N	20.N	15.	15.	30.	30.	5.N
72B482	10.L	5000.G	1.0L	10.N	20.N	5.N	10.N	30.	30.	5.N
72B483	10.L	1000.	1.0L	10.N	20.N	7.	10.L	50.	50.	5.L
72B484	10.N	200.	1.0	10.N	20.N	5.N	30.	90.	20.N	30.
72B506	10.L	300.	1.0	10.N	20.N	7.	10.N	30.	20.L	5.N
72B507	10.L	1000.	1.0	10.N	20.N	7.	10.L	30.	20.L	5.N
72B508	10.L	1500.	1.0	10.N	20.N	5.N	10.N	15.	20.L	5.N
72B509	10.N	2000.	1.0	10.N	20.N	5.N	10.N	20.	70.	5.N
72B510	10.L	1500.	1.0L	10.N	20.N	5.N	10.N	15.	150.	5.N
72B511	10.L	1500.	1.0L	10.N	20.N	5.N	10.N	30.	20.	5.N
72B511A	10.L	1000.	1.0	10.N	20.N	7.	10.N	20.	20.	5.N
72B512	10.N	1500.	1.0	10.N	20.N	5.N	10.N	30.	30.	5.N
72B513	10.N	1500.	1.0L	10.N	20.N	5.N	10.N	10.	20.N	5.N
72B514	10.N	30.	1.0N	10.N	20.N	5.N	10.N	15.	20.N	5.N
72B515	10.L	3000.	1.0L	10.N	20.N	5.	10.N	20.	20.L	5.N
72B516	10.	1500.	1.5	10.N	20.N	5.	50.	20.	20.	5.
72B517	10.L	700.	1.0N	10.N	20.N	20.	200.	30.	70.	5.L
72B534	10.L	3000.	1.0L	10.N	20.N	5.N	10.L	50.	20.N	5.L
72B535	10.L	3000.	1.0	10.N	20.N	5.N	10.N	30.	20.L	5.N
72B536	10.L	3000.	1.0L	10.N	20.N	20.	10.N	30.	20.	5.N
72B536A	10.L	1000.	1.0	10.N	20.N	7.	30.	70.	20.N	5.L
72B537	10.N	1500.	1.0L	10.N	20.N	5.N	10.N	20.	20.N	5.N
72B538	10.L	1000.	1.0L	10.N	20.N	7.	30.	30.	20.L	30.
72B579	10.N	1500.	1.0L	10.N	20.N	5.N	10.N	10.	20.L	5.N
72B579A	10.N	30.	1.0N	10.N	20.N	5.N	10.N	5.	20.N	5.N
72B580	10.N	1500.	1.0	10.N	20.N	5.N	10.N	15.	30.	5.N
72B590A	10.N	2000.	1.5	10.N	20.N	5.N	10.N	7.	20.N	5.N
72B580R	10.N	700.	1.0	10.N	20.N	5.N	10.N	10.	20.N	5.N
72B581	10.L	700.	1.0	10.N	20.N	20.	300.	50.	20.N	7.
72B581A	10.N	150.	2.0	10.N	20.N	5.N	10.N	10.	20.N	5.L
72B581R	10.N	150.	1.0L	10.N	20.N	5.N	50.	20.	20.N	20.
72B582	10.N	1000.	1.0	10.N	20.N	5.N	10.N	30.	20.N	5.N
72B583	10.L	1000.	1.5	10.N	20.N	30.	10.N	150.	20.N	5.N
72B583A	10.N	500.	2.0	10.N	20.N	5.N	10.N	15.	20.N	5.N
72B583R	10.L	200.	1.0L	10.N	20.N	5.L	10.N	150.	20.N	5.L
72B583C	10.L	150.	1.5	15.	20.N	5.L	10.L	200.	20.	5.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S=NH	S=NI	S=PB	S=SR	S=SC	S=SN	S=SR	S=V	S=W	S=Y
72H443	10.	5.	15.	100.N	15.	10.W	700.	150.	50.N	20.
72H444	10.L	5.L	50.	100.N	5.L	10.N	1500.	100.	50.N	10.
72H445	10.L	5.L	30.	100.N	5.N	10.N	200.	15.	50.N	10.N
72H446	10.L	5.L	30.	100.N	5.N	10.N	150.	15.	50.N	10.
72H451	10.L	5.L	70.	100.N	5.L	10.N	1500.	15.	50.N	10.N
72H474	10.L	5.L	30.	100.N	5.N	10.N	100.L	15.	50.N	10.N
72H474A	10.	5.L	30.	100.N	30.	10.N	1000.	200.	50.L	15.
72H475A	10.L	5.L	30.	100.N	5.N	10.N	1500.	70.	50.N	10.N
72H475H	10.	10.	30.	100.N	20.	10.N	1000.	150.	50.N	20.
72H476	10.	5.	20.	100.N	20.	10.N	1500.	150.	50.N	20.
72H477	10.	5.L	50.	100.N	5.	10.N	700.	70.	50.N	10.
72H478	10.L	5.L	70.	100.N	5.N	10.N	1500.	70.	50.N	15.
72H479	10.	5.	50.	100.N	15.	10.N	1000.	200.	50.N	15.
72H480	10.L	20.	20.	100.N	15.	10.N	300.	150.	50.N	20.
72H481	10.	7.	20.	100.N	30.	10.N	1000.	200.	50.N	30.
72H482	10.L	5.L	50.	100.N	5.N	10.N	1500.	50.	50.N	10.N
72H483	10.	5.	20.	100.N	15.	10.N	500.	100.	50.N	15.
72H484	10.L	15.	10.N	100.N	5.N	10.N	300.	150.	50.N	20.
72H506	10.L	5.N	15.	100.N	15.	10.N	700.	150.	50.N	15.
72H507	10.	5.N	30.	100.N	15.	10.N	2000.	150.	50.N	15.
72H508	10.L	5.L	20.	100.N	5.	10.N	700.	70.	50.N	10.N
72H509	30.	5.N	50.	100.N	5.L	10.N	1500.	30.	50.N	70.
72H510	10.	5.N	30.	100.N	5.N	10.N	1000.	50.	50.N	50.
72H511	10.L	5.N	20.	100.N	5.N	10.N	700.	50.	50.N	10.
72H511A	10.	5.L	20.	100.N	15.	10.N	700.	150.	50.N	10.N
72H512	10.N	5.L	30.	100.N	5.N	10.N	1500.	20.	50.N	10.N
72H513	10.N	5.N	30.	100.N	5.N	10.N	1500.	15.	50.N	10.N
72H514	10.N	5.N	10.N	100.N	5.N	10.N	100.L	10.	50.N	10.N
72H515	10.L	5.L	30.	100.N	5.	10.N	1000.	70.	50.N	10.N
72H516	10.	15.	20.	100.N	7.	10.N	1500.	50.	50.N	15.
72H517	10.	30.	30.	100.N	50.	10.N	150.	150.	50.N	70.
72H534	15.	5.L	50.	100.N	5.	10.N	700.	300.	50.N	15.
72H535	10.L	5.L	30.	100.N	5.	10.N	700.	30.	50.N	10.L
72H536	10.L	5.L	20.	100.N	5.	10.N	1500.	70.	50.N	10.
72H536A	10.	7.	20.	100.N	30.	10.N	700.	300.	50.N	10.
72H537	10.L	5.L	20.	100.N	5.N	10.N	500.	30.	50.N	10.N
72H538	10.	20.	15.	100.N	20.	10.N	300.	150.	50.N	15.
72H579	10.L	5.N	15.	100.N	5.	10.N	700.	50.	50.N	10.N
72H579A	10.N	5.L	10.N	100.N	5.N	10.N	100.N	10.	50.N	10.N
72H580	10.	5.L	15.	100.N	7.	10.N	700.	70.	50.N	10.
72H580A	10.L	5.L	15.	100.N	5.L	10.N	700.	30.	50.N	10.L
72H580H	10.	5.L	50.	100.N	5.L	10.N	200.	15.	50.N	10.L
72H581	10.L	100.	10.L	100.N	20.	10.N	300.	200.	50.N	20.
72H581A	10.N	5.N	50.	100.N	5.N	10.N	100.L	10.	50.N	10.N
72H581H	10.N	30.	10.L	100.N	7.	10.N	700.	70.	50.N	10.N
72H582	10.N	5.L	20.	100.N	5.L	10.N	700.	30.	50.N	10.N
72H583	10.	5.N	30.	100.N	30.	10.N	100.	200.	50.N	50.
72H583A	10.	5.N	30.	100.N	5.N	10.N	200.	30.	50.N	10.N
72H583B	10.	5.L	15.	100.N	15.	10.N	100.L	150.	50.N	70.
72H583C	10.	5.N	70.	100.N	20.	10.N	100.L	150.	50.N	70.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-ZN	S-ZR	AA=AU-P	INST=HG	AA=CU-P	AA=PB-P	AA=ZN-P
72H443	200.N	70.	0.05N	0.02	5.	5.	70.
72H444	200.N	100.	0.05N	0.02	5.L	5.	10.
72H445	200.N	70.	0.05N	0.06	5.L	10.	30.
72H446	200.N	100.	0.05N	0.24	5.L	5.	25.
72H451	200.N	70.	0.05N	0.02	5.L	5.	10.
72H474	200.N	20.	0.05N	0.02N	10.	5.L	10.
72H474A	200.N	200.	0.05N	0.02N	15.	5.L	30.
72H475A	200.N	70.	0.05N	0.02	5.L	5.L	20.
72H475H	200.N	70.	0.05N	0.02N	15.	5.	60.
72H476	200.N	200.	0.05N	0.02N	25.	5.	50.
72H477	200.N	200.	0.05N	0.02N	10.	5.	100.
72H478	200.N	200.	0.05N	0.02N	5.	5.L	25.
72H479	200.N	100.	0.05N	0.02N	5.	5.	60.
72H480	200.N	70.	0.05N	0.02	5.	5.L	30.
72H481	200.N	300.	0.05N	0.02N	5.	5.L	75.
72H482	200.N	300.	0.05N	0.02	5.	5.L	45.
72H483	200.N	500.	0.05N	0.02N	15.	5.L	40.
72H484	200.N	30.	0.05N	0.02N	15.	5.L	5.
72H506	200.N	150.	0.05N	0.02	15.	5.	80.
72H507	200.N	300.	0.05N	0.02N	20.	5.L	20.
72H508	200.N	50.	0.15	0.02N	5.L	5.L	40.
72H509	200.N	100.	0.05N	0.02N	5.L	5.L	30.
72H510	200.N	100.	0.05N	0.02	5.	5.L	30.
72H511	200.N	200.	0.05N	0.02N	5.L	5.L	50.
72H511A	200.N	150.	0.05N	0.02N	5.	5.L	70.
72H512	200.N	50.	0.05N	0.04	5.L	5.L	30.
72H513	200.N	70.	0.05N	0.02N	5.L	5.L	20.
72H514	200.N	10.L	0.05N	0.02	5.L	5.L	10.
72H515	200.N	70.	0.05N	0.04	10.	5.L	40.
72H516	200.N	200.	0.05N	0.02	5.L	5.	30.
72H517	200.N	300.	0.05N	0.02	20.	5.	60.
72H534	200.N	70.	0.05N	0.02	30.	5.	5.
72H535	200.N	150.	0.05N	0.02N	5.	5.L	30.
72H536	200.N	300.	0.05N	0.02N	10.	5.	80.
72H536A	200.N	70.	0.05N	0.02H	80.	5.L	10.
72H537	200.N	70.	0.05N	0.02	5.L	5.L	30.
72H538	200.N	70.	0.05N	0.02N	55.	5.	80.
72H579	200.N	200.	0.05N	0.02	5.	10.	100.
72H579A	200.N	10.L	0.05N	0.02L	5.L	5.L	5.
72H580	200.N	300.	0.05N	0.02L	5.	5.L	100.
72H580A	200.N	100.	0.05N	0.10	5.L	5.	50.
72H580H	200.N	70.	0.05N	0.02L	5.L	15.	35.
72H581	200.N	150.	0.05N	0.02L	60.	10.	120.
72H581A	200.N	70.	0.05N	0.04	5.L	5.	15.
72H581H	200.N	50.	0.05N	0.02L	20.	5.	10.
72H582	200.N	200.	0.05N	0.02	5.L	5.L	60.
72H583	200.L	150.	0.05N	0.02	150.	15.	180.
72H583A	200.N	50.	0.05N	0.06	5.	10.	75.
72H583H	200.N	30.	0.05N	0.02L	110.	10.	90.
72H583C	200.N	150.	0.05N	0.02L	140.	35.	100.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	S-PP%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-AU
72H584	56 01 34N	130 22 51W	10.00	10.00	7.00	0.30	1500.	0.5N	200.N	10.N
72H584A	56 01 34W	130 22 51W	7.00	7.00	5.00	0.50	1000.	0.5N	200.N	10.N
72H584H	56 01 34N	130 22 51W	1.50	0.50	1.50	0.15	200.	0.5N	200.N	10.N
72H586	56 02 44N	130 21 12W	10.00	2.00	7.00	0.50	1500.	0.5N	200.N	10.N
72H587	56 02 24N	130 23 00W	10.00	3.00	5.00	0.50	1000.	0.5N	200.N	10.N
72H588	56 01 21N	130 28 23W	3.00	0.70	2.00	0.30	700.	0.5N	200.N	10.N
72H588A	56 01 21N	130 28 23W	2.00	0.70	1.50	0.15	700.	0.5N	200.N	10.N
72H589	56 00 28N	130 20 03W	10.00	5.00	7.00	0.50	1000.	0.7	200.N	10.N
72H589A	56 00 28N	130 20 03W	2.00	0.70	1.50	0.15	700.	1.5	200.N	10.N
72H589B	56 00 28N	130 20 03W	10.00	3.00	7.00	0.50	1500.	0.5N	200.N	10.N
72H590	56 01 19N	130 33 52W	1.50	0.15	0.50	0.07	150.	0.5N	200.N	10.N
72H590A	56 01 19N	130 33 52W	10.00	3.00	10.00	0.50	1500.	0.5N	200.N	10.N
72H591	56 00 59N	130 29 51W	3.00	0.70	1.50	0.30	500.	0.5N	200.N	10.N
72H592	56 01 14N	130 19 17W	5.00	2.00	3.00	0.50	1000.	0.5N	200.N	10.N
72H594	56 09 19N	130 41 04W	3.00	0.70	1.50	0.30	700.	0.5N	200.N	10.N
72H595	56 10 04N	130 39 09W	3.00	0.70	1.50	0.30	700.	0.5N	200.N	10.N
72H595A	56 10 04N	130 39 09W	0.15	0.03	0.15	0.02	50.	0.5N	200.N	10.N
72H596	56 11 27N	130 37 56W	5.00	3.00	5.00	0.70	1500.	0.5N	200.N	10.N
72H597	56 12 28N	130 36 20W	3.00	1.00	2.00	0.30	700.	0.5N	200.N	10.N
72H598	56 11 49N	130 36 24W	3.00	0.70	1.50	0.30	1500.	0.5N	200.N	10.N
72H599	56 11 25N	130 36 14W	7.00	2.00	1.50	0.50	1500.	0.5N	200.N	10.N
72H600	56 10 48N	130 36 00W	7.00	1.50	1.50	0.50	1000.	0.5N	200.N	10.N
72H601	56 09 28N	130 37 58W	15.00	5.00	7.00	0.70	1500.	0.7	200.N	10.N
72H601H	56 09 28N	130 37 58W	15.00	1.50	10.00	0.50	5000.	70.0	200.N	10.N
72H602	56 08 04N	130 38 41W	1.50	0.30	1.00	0.15	300.	0.7	200.N	10.N
72H603	56 06 27N	130 36 48W	1.50	0.70	1.50	0.15	300.	0.5H	200.N	10.N
72H604	56 07 57N	130 35 51W	2.00	0.30	1.00	0.15	500.	0.5N	200.N	10.N
72H604A	56 07 57N	130 35 51W	15.00	7.00	7.00	1.00G	1500.	0.5N	200.N	10.N
72H604H	56 07 57N	130 35 51W	1.50	0.50	1.50	0.03	300.	0.5L	200.N	10.N
72H605	56 09 23N	130 35 05W	3.00	1.50	3.00	0.70	700.	0.5H	200.N	10.N
72H605A	56 09 23N	130 35 05W	10.00	7.00	10.00	1.00	2000.	0.5N	200.N	10.N
72H605H	56 09 23N	130 35 05W	7.00	1.50	2.00	0.70	700.	0.5N	200.N	10.N
72H606	56 10 27N	130 34 27W	2.00	0.70	2.00	0.15	700.	1.0	200.N	10.N
72H607	56 11 14N	130 33 36W	3.00	1.50	3.00	0.30	700.	0.5N	200.N	10.N
72H608	56 12 27N	130 32 50W	3.00	1.00	2.00	0.50	700.	0.5H	200.N	10.N
72H608A	56 12 27N	130 32 50W	5.00	3.00	3.00	1.00	500.	0.7	200.N	10.N
72H609	56 12 57N	130 32 29W	3.00	1.50	3.00	0.50	700.	0.5N	200.N	10.N
72H610	56 14 51N	130 32 17W	2.00	1.00	2.00	0.30	500.	0.5	200.N	10.N
72H611	56 13 16N	130 29 46W	5.00	2.00	3.00	0.30	1000.	0.5H	200.N	10.N
72H612A	56 12 50N	130 31 06W	10.00	1.50	3.00	1.00	1500.	0.5N	200.N	10.N
72H613	56 14 02N	130 30 15W	3.00	1.50	3.00	0.30	1000.	0.5H	200.N	10.N
72H614	56 13 34N	130 27 31W	3.00	1.00	2.00	0.20	1000.	0.5N	200.N	10.N
72H616	56 07 46N	130 34 58W	0.50	0.03	0.20	0.03	500.	0.5N	200.N	10.N
72H617	56 06 24N	130 31 03W	7.00	3.00	3.00	0.50	1000.	0.5H	200.N	10.N
72H618A	56 07 43N	130 32 31W	5.00	1.00	1.50	0.50	700.	0.5N	200.N	10.N
72H619	56 09 06N	130 31 30W	10.00	3.00	3.00	0.70	1000.	0.5H	200.N	10.N
72H620	56 09 39N	130 30 31W	3.00	0.70	1.50	0.50	300.	0.5N	200.N	10.N
72H621	56 10 31N	130 28 38W	1.50	0.70	1.50	0.20	500.	0.5H	200.N	10.N
72H622	56 10 25N	130 26 20W	10.00	2.00	5.00	0.70	1000.	0.5N	200.N	10.N

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TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S=B	S=BA	S=BE	S=BI	S=CD	S=CO	S=CR	S=CU	S=LA	S=MO
72R584	10.L	700.	1.0L	10.N	20.N	70.	1500.	20.	20.N	5.L
72R584A	10.L	1500.	1.0L	10.N	20.N	30.	70.	15.	20.N	5.N
72R584H	10.N	1500.	1.0L	10.L	20.N	5.N	10.L	50.	20.N	5.N
72R586	10.L	700.	1.0L	10.N	20.N	30.	50.	30.	20.H	5.L
72R587	10.L	700.	1.0L	10.N	20.N	30.	30.	50.	20.N	5.L
72R588	10.L	1500.	1.0	10.N	20.N	5.L	10.N	10.	20.N	5.N
72R588A	10.N	1000.	1.5	10.N	20.N	5.N	10.N	10.	20.N	5.N
72R589	10.L	1000.	1.0L	10.N	20.N	20.	100.	200.	20.N	5.L
72R589A	10.N	700.	1.5	10.N	20.N	5.N	10.	50.	20.L	5.N
72R589R	10.L	700.	1.0L	10.N	20.N	30.	100.	70.	20.L	5.L
72R590	10.N	1000.	1.0L	10.N	20.N	5.N	10.N	7.	20.	5.N
72R590A	10.L	300.	1.0L	10.N	20.N	30.	70.	10.	70.	5.N
72R591	10.N	1500.	1.0	10.N	20.N	5.N	10.N	7.	30.	5.N
72R592	10.L	1500.	1.0	10.N	20.N	15.	30.	50.	20.L	5.N
72R594	10.L	2000.	1.0	10.N	20.N	5.L	10.N	20.	70.	5.N
72R595	10.L	700.	1.5	10.N	20.N	5.N	10.	15.	30.	5.N
72R595A	10.N	200.	1.0L	10.N	20.N	5.N	10.N	5.	20.N	5.N
72R596	10.L	150.	2.0	10.N	20.N	15.	70.	15.	20.L	5.N
72R597	10.L	2000.	1.0	10.N	20.N	5.L	10.N	15.	150.	5.N
72R598	10.L	2000.	1.5	10.N	20.N	5.N	10.N	15.	30.	5.N
72R599	10.L	1500.	1.0	10.N	20.N	10.	50.	50.	20.L	5.N
72R600	10.L	2000.	1.0L	10.N	20.N	10.	15.	20.	20.L	5.N
72R601	10.L	150.	1.0	10.N	20.N	30.	30.	15.	20.N	5.
72R601H	10.L	30.	1.0	70.	20.N	10.	15.	15.	20.N	70.
72R602	10.N	1500.	1.0L	10.N	20.N	5.N	10.N	15.	30.	5.N
72R603	10.N	1500.	1.0L	10.N	20.N	5.N	10.N	7.	30.	5.N
72R604	10.N	1500.	1.5	10.N	20.N	5.N	10.N	7.	30.	5.N
72R604A	10.L	700.	1.0N	10.N	20.N	100.	30.	30.	20.N	5.L
72R604R	10.N	20.L	1.0L	10.N	20.N	5.L	10.N	50.	20.N	5.N
72R605	10.N	1500.	1.5	10.N	20.N	5.L	15.	20.	20.L	5.N
72R605A	10.L	500.	1.0L	10.N	20.N	30.	200.	50.	20.N	5.L
72R605R	10.L	700.	1.0L	10.N	20.N	10.	30.	50.	20.N	5.N
72R605D	10.L	700.	1.5	15.	20.N	5.L	10.L	100.	20.L	5.N
72R606	10.N	2000.	1.0	10.N	20.N	5.N	30.	20.	30.	20.
72R607	10.L	1500.	1.0	10.N	20.N	7.	50.	30.	20.	5.N
72R608	10.L	2000.	1.0	10.N	20.N	5.	15.	30.	20.	5.N
72R608A	10.L	2000.	1.0	10.N	20.N	15.	150.	30.	50.	5.N
72R609	10.L	2000.	1.0	10.N	20.N	7.	30.	30.	70.	5.N
72R610	10.L	1500.	1.5	10.N	20.N	5.L	10.	30.	20.L	5.N
72R611	10.L	2000.	1.0L	10.N	20.N	7.	30.	20.	50.	5.N
72R612A	10.L	500.	1.0	10.N	20.N	30.	30.	300.	20.L	10.
72R613	10.L	2000.	1.0L	10.N	20.N	5.	15.	30.	20.L	5.N
72R614	10.L	2000.	1.0	10.N	20.N	5.L	10.L	100.	20.L	5.N
72R616	10.N	150.	1.0	10.N	20.N	15.	30.	30.	20.H	5.N
72R617	10.L	1500.	1.0	10.N	20.N	30.	150.	30.	70.	5.N
72R618A	10.N	1000.	1.0	10.N	20.N	15.	30.	5.L	20.	5.N
72R619	10.N	1000.	1.5	10.N	20.N	30.	150.	5.L	70.	5.N
72R620	10.N	2000.	1.0L	10.N	20.N	5.L	15.	5.N	20.	5.N
72R621	10.N	1000.	1.5	10.N	20.N	5.N	10.L	5.L	20.	5.N
72R622	10.L	70.	1.0L	10.N	20.N	30.	10.	30.	20.L	5.N

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S=NR	S=NI	S=PR	S=SR	S=SC	S=SN	S=SP	S=V	S=R	S=Y
72R584	10.	300.	15.	100.N	50.	10.N	150.	200.	50.N	15.
72R584A	10.N	70.	15.	100.N	30.	10.N	500.	300.	50.N	20.
72R584R	10.	5.L	30.	100.N	5.N	10.N	700.	30.	50.N	10.P
72R586	10.	20.	15.	100.N	30.	10.N	700.	300.	50.N	20.
72R587	10.L	15.	15.	100.N	30.	10.N	1000.	300.	50.N	20.
72R588	10.N	5.L	10.	100.N	10.	10.N	500.	150.	50.N	10.
72R588A	10.L	5.N	30.	100.N	7.	10.N	300.	50.	50.N	10.L
72R589	10.	15.	30.	100.N	30.	10.N	700.	300.	50.N	20.
72R589A	10.	5.L	30.	100.N	7.	10.N	300.	70.	50.N	10.
72R589B	10.L	5.L	15.	100.N	50.	10.N	1000.	300.	50.N	15.
72R590	10.	15.	15.	100.N	5.N	10.N	300.	30.	50.N	10.N
72R591	10.L	5.L	15.	100.N	20.	10.N	500.	300.	50.N	30.
72R592	10.	20.	15.	100.N	5.N	10.N	700.	50.	50.N	10.
72R594	10.	5.L	30.	100.N	15.	10.N	700.	200.	50.N	20.
72R595	10.	10.	20.	100.N	5.N	10.N	150.	100.	50.N	20.
72R595A	10.N	5.L	30.	100.N	5.N	10.N	100.L	10.	50.N	10.N
72R596	10.	70.	20.	100.N	15.	10.N	200.	200.	50.N	30.
72R597	10.	5.L	30.	100.N	15.	10.N	700.	100.	50.N	20.
72R598	10.	5.N	30.	100.N	5.L	10.N	700.	70.	50.N	20.
72R599	10.	20.	30.	100.N	20.	10.N	200.	200.	50.N	15.
72R600	10.	15.	15.	100.N	20.	10.N	700.	150.	50.N	30.
72R601	10.	70.	1500.	100.N	30.	10.N	300.	300.	50.N	30.
72R601R	10.	15.	30.	100.N	5.N	10.N	500.	20.	50.N	10.N
72R602	10.L	5.L	15.	100.N	5.N	10.N	700.	20.	50.N	10.N
72R603	10.L	5.L	15.	100.N	5.N	10.N	300.	20.	50.N	10.L
72R604	10.L	5.L	15.	100.N	50.	10.N	150.	300.	50.N	30.
72R604A	10.	70.	10.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72R604H	10.L	7.	10.N	100.N	5.N	10.N	700.	100.	50.N	10.
72R605	10.L	5.L	15.	100.N	10.	10.N	500.	300.	50.N	15.
72R605A	10.L	100.	20.	100.N	50.	10.N	300.	300.	50.N	15.
72R605R	10.L	15.	15.	100.N	20.	10.N	300.	200.	50.N	15.
72R605D	10.L	5.L	20.	100.N	10.	10.N	150.	150.	50.N	10.
72R606	10.L	5.N	30.	100.N	5.	10.N	500.	70.	50.N	10.
72R607	10.L	15.	30.	100.N	15.	10.N	700.	150.	50.N	15.
72R608	10.L	5.L	30.	100.N	10.	10.N	1000.	100.	50.N	10.
72R608A	10.L	30.	20.	100.N	15.	10.N	1500.	150.	50.N	20.
72R609	10.L	7.	30.	100.N	10.	10.N	1000.	150.	50.N	15.
72R610	10.L	5.L	30.	100.N	7.	10.N	700.	70.	50.N	10.
72R611	10.L	5.L	50.	100.N	15.	10.N	700.	150.	50.N	15.
72R612A	10.	50.	20.	100.N	30.	10.N	300.	150.	50.N	20.
72R613	10.	5.L	30.	100.N	10.	10.N	1000.	100.	50.N	10.
72R614	10.L	10.	10.	100.N	15.	10.N	500.	150.	50.N	20.
72R616	10.L	5.L	50.	100.N	5.N	10.N	100.N	15.	50.N	10.
72R617	10.	5.	30.	100.N	20.	10.N	700.	150.	50.N	15.
72R618A	10.	15.	15.	100.N	15.	10.N	700.	150.	50.N	15.
72R619	10.	70.	15.	100.N	30.	10.N	700.	200.	50.N	10.N
72R620	10.	5.L	15.	100.N	5.L	10.N	700.	70.	50.N	10.N
72R621	10.L	5.L	15.	100.N	5.L	10.N	700.	50.	50.N	20.
72R622	10.	50.	10.	100.N	20.	10.N	300.	300.	50.N	15.

TABLE 6, (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-ZN	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PH-P	AA-ZN-P
72R584	200, N	30.	0.05N	0.08	5, L	5.	25.
72H584A	200, N	30.	0.05N	0.04	5.	10.	30.
72H584H	200, N	100.	0.05N	0.02	25.	10.	15.
72H586	200, N	70.	0.05N	0.02L	60.	5.	60.
72H587	200, N	50.	0.05N	0.02L	60.	10.	40.
72H588	200, N	70.	0.05N	0.04	5, L	5.	45.
72H588A	200, N	70.	0.05N	0.02	5, L	5.	25.
72H589	200, N	70.	0.05N	0.04	270.	10.	60.
72H589A	200, N	70.	0.05N	0.02L	50.	10.	10.
72H589R	200, N	50.	0.05N	0.02L	110.	5.	30.
72H590	200, N	200.	0.05N	0.02	8.	5.	20.
72H590A	200, L	70.	0.05N	0.08	10.	10.	80.
72H591	200, N	150.	0.05N	0.02	5.	5.	80.
72H592	200, N	70.	0.05N	0.04	85.	15.	100.
72H594	200, N	300.	0.05N	0.02	5.	5.	55.
72H595	200, N	150.	0.05N	0.06	10.	10.	60.
72H595A	200, N	70.	0.05N	0.02L	5.	5.	10.
72H596	200, N	70.	0.05N	0.02L	5.	5.	30.
72H597	200, N	150.	0.05N	0.02L	15.	5.	60.
72H59R	200, N	200.	0.05N	0.02L	5.	5.	70.
72H599	200, L	100.	0.05N	0.02L	85.	10.	130.
72H600	200, L	150.	0.05N	0.02L	30.	10.	70.
72H601	200, L	70.	0.05N	0.02L	35.	100.	180.
72H601R	200, L	70.	0.05N	0.02	15.	5.	450.
72H602	200, N	300.	0.05N	0.02L	5.	5.	30.
72H603	200, N	70.	0.05N	0.02L	5.	5.	50.
72H604	200, N	200.	0.05N	0.02L	5, L	15.	40.
72H604A	200, N	150.	0.05N	0.02L	60.	5.	10.
72H604R	200, N	10, L	0.05N	0.02L	120.	5.	10.
72H605	200, N	500.	0.05N	0.55	15.	5.	80.
72H605A	200, N	70.	0.05N	0.06	45.	10.	20.
72H605H	200, N	100.	0.05N	0.02	15.	5.	70.
72H605D	200, N	50.	0.05N	0.02	80.	5, L	10.
72H606	200, N	200.	0.05N	0.02	5.	5.	80.
72H607	200, N	200.	0.05N	0.02N	15.	10.	100.
72H608	200, N	200.	0.05N	0.02	5.	10.	55.
72H608A	200, N	300.	0.05N	0.02	5.	5.	40.
72H609	200, N	70.	0.05N	0.02N	15.	10.	90.
72H610	200, N	70.	0.05N	0.02N	5.	10.	65.
72H611	200, N	300.	0.05N	0.02N	5, L	10.	50.
72H612A	200, N	300.	0.05N	0.02	150.	10.	20.
72H613	200, N	100.	0.05N	0.02	5, L	10.	40.
72H614	200, N	70.	0.05N	0.06	65.	5.	40.
72H616	200, N	50.	0.05N	0.02	5.	10.	10.
72H617	200, N	150.	0.05N	0.02L	15.	10.	110.
72H618A	200, N	200.	0.05N	0.04	25.	10.	85.
72H619	200, N	200.	0.05N	0.06	70.	10.	65.
72H620	200, N	300.	0.05N	0.02	5.	5.	50.
72H621	200, N	70.	0.05N	0.04	10.	5.	45.
72H622	200, N	70.	0.05N	0.06	150.	5.	15.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	S-PP%	S-MG%	S-CA%	S-Ti%	S-MN	S-AC	S-AS	S-AU
72H623	56 11 54N	130 27 22W	0.50	0.02	0.70	0.02	300.	0.5N	200.N	10.N
72H625	56 04 20N	130 37 56W	7.00	1.00	1.50	0.50	700.	0.5N	200.N	10.N
72H625A	56 04 20N	130 37 56W	7.00	1.50	3.00	0.50	1000.	0.5N	200.N	10.N
72H626	56 03 20N	130 31 02W	2.00	0.70	2.00	0.20	1000.	0.5N	200.N	10.N
72H627	56 04 23N	130 20 48W	3.00	1.00	5.00	0.20	1000.	0.5N	200.N	10.N
72H628	56 04 42N	130 20 26W	5.00	1.00	0.70	0.30	1000.	0.5N	200.N	10.N
72H629	56 05 31N	130 20 19W	7.00	3.00	7.00	0.70	1000.	0.5N	200.N	10.N
72H630	56 04 46N	130 22 59W	10.00	5.00	7.00	0.50	2000.	0.5N	200.N	10.N
72H631	56 03 54N	130 24 42W	1.50	0.20	1.00	0.20	500.	0.5N	200.N	10.N
72H632	56 04 43N	130 24 43W	0.50	0.03	0.20	0.03	700.	0.5N	200.N	10.N
72H633	56 05 19N	130 23 44W	0.70	0.07	0.20	0.03	1000.	0.5N	200.N	10.N
72H634	56 09 22N	130 25 55W	7.00	1.50	3.00	0.70	700.	0.5N	200.N	10.N
72H635	56 09 18N	130 29 29W	7.00	1.50	3.00	0.70	700.	0.5N	200.N	10.N
72H636	56 08 11N	130 29 31W	5.00	1.50	2.00	0.70	700.	0.5N	200.N	10.N
72H637	56 07 18N	130 30 57W	5.00	1.50	3.00	0.50	700.	0.5N	200.N	10.N
72H638	56 06 47N	130 31 30W	5.00	1.00	2.00	0.30	700.	0.5N	200.N	10.N
72H639	56 06 40N	130 28 16W	7.00	3.00	2.00	0.50	1000.	0.5N	200.N	10.N
72H640	56 08 02N	130 27 23W	7.00	2.00	3.00	1.00	1000.	0.5N	200.N	10.N
72H641	56 07 45N	130 23 17W	3.00	3.00	2.00	0.50	700.	0.5N	200.N	10.N
72H642	56 04 53N	130 25 42W	0.70	0.15	0.15	0.03	1500.	0.5N	200.N	10.N
72H643	56 05 21N	130 26 52W	1.50	0.15	0.70	0.15	700.	0.5N	200.N	10.N
72H644	56 05 41N	130 26 11W	0.70	0.15	0.20	0.15	700.	0.5N	200.N	10.N
72H645	56 02 37N	130 36 53W	5.00	0.70	1.50	0.70	500.	0.5N	200.N	10.N
72H646	56 03 31N	130 35 49W	2.00	0.70	1.50	0.20	700.	0.5N	200.N	10.N
72H647	56 03 40N	130 33 10W	3.00	0.70	1.50	0.20	1000.	0.5N	200.N	10.N
72H648	56 05 01N	130 31 35W	3.00	0.20	1.00	0.20	300.	0.5N	200.N	10.N
72H649	56 09 46N	130 37 46W	1.00	0.02L	0.20	0.02	700.	0.5N	200.N	10.N
72H650	56 09 12N	130 42 31W	1.50	0.20	1.50	0.15	500.	0.5N	200.N	10.N
72H651	56 08 51N	130 45 13W	7.00	3.00	3.00	0.50	1500.	0.5N	200.N	10.N
72H652	56 07 15N	130 44 54W	0.50	0.03	0.30	0.05	300.	0.5N	200.N	10.N
72H653	56 06 14N	130 44 58W	1.50	0.15	1.50	0.05	300.	0.5N	200.N	10.N
72H654	56 05 21N	130 45 29W	1.50	0.20	1.50	0.30	700.	0.5N	200.N	10.N
72H655	56 04 32N	130 46 41W	0.70	0.30	1.50	0.07	500.	0.5N	200.N	10.N
72H656	56 03 13N	130 46 48W	10.00	3.00	5.00	1.00	1500.	0.5N	200.N	10.N
72H657	56 02 29N	130 48 25W	3.00	1.00	3.00	0.70	300.	0.5N	200.N	10.N
72H658	56 01 43N	130 49 40W	1.50	0.30	1.00	0.15	300.	0.5N	200.N	10.N
72H659	56 00 52N	130 51 54W	7.00	2.00	5.00	0.70	1500.	0.5N	200.N	10.N
72H660	56 00 05N	130 54 22W	1.50	0.50	1.50	0.15	500.	0.5N	200.N	10.N
72H661	56 04 51N	130 41 56W	7.00	3.00	5.00	0.70	1500.	0.5N	200.N	10.N
72H662	56 06 20N	130 40 34W	1.50	0.15	1.50	0.15	300.	0.5N	200.N	10.N
72H663	56 06 37N	130 42 42W	1.50	0.15	1.00	0.15	300.	0.5N	200.N	10.N
72H664	56 04 58N	130 43 21W	1.00	0.10	0.70	0.10	300.	0.5N	200.N	10.N
72H665	56 02 55N	130 45 45W	7.00	2.00	0.70	0.70	1000.	0.5N	200.N	10.N
72H666	56 01 37N	130 45 40W	1.50	0.15	0.70	0.15	200.	0.5N	200.N	10.N
72H667	56 01 21N	130 48 34W	3.00	1.00	1.50	0.30	500.	0.5N	200.N	10.N
72H668	56 00 44N	130 49 13W	5.00	1.50	3.00	0.50	700.	0.5N	200.N	10.N
72H669	56 01 17N	130 40 32W	0.50	0.05	0.50	0.03	200.	0.5N	200.N	10.N
72H670	56 02 33N	130 39 33W	1.50	0.50	0.50	0.20	200.	0.5N	200.N	10.N
72H671	56 04 10N	130 38 52W	2.00	0.70	1.50	0.50	300.	0.5N	200.N	10.N
72H672	56 02 54N	130 40 48W	1.50	0.15	0.30	0.15	200.	0.5N	200.N	10.N

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-IJA	S-NO
72R623	10.L	150.	1.0	10.N	20.N	5.N	10.N	5.L	20.N	15.
72R625	10.N	1500.	1.0L	10.N	20.N	5.L	30.	5.L	20.N	5.N
72R625A	10.L	1500.	1.0L	10.N	20.N	15.	10.N	5.N	30.	5.N
72R626	10.N	5000.	1.5	10.N	20.N	5.N	10.L	5.L	30.	5.N
72R627	10.N	3000.	1.5	10.N	20.N	5.	20.	5.L	20.	5.N
72R628	10.L	1500.	2.0	10.N	20.N	7.	10.	20.	20.L	5.N
72R629	10.	500.	1.0L	10.N	20.N	20.	70.	30.	20.L	5.N
72R630	10.L	700.	1.0L	10.N	20.N	30.	50.	15.	20.N	5.N
72R631	10.N	1000.	1.0L	10.N	20.N	5.N	10.N	5.N	30.	5.N
72R632	10.N	50.	3.0	10.N	20.N	5.N	10.N	5.L	20.N	5.N
72R633	10.N	70.	2.0	10.N	20.N	5.N	10.N	5.N	20.P	5.N
72R634	10.L	1500.	1.0	10.N	20.N	30.	30.	5.	70.	5.N
72R635	10.L	1500.	1.0	10.N	20.N	15.	15.	5.	70.	5.N
72R636	10.L	1000.	1.0	10.N	20.N	15.	30.	5.L	30.	5.N
72R637	10.L	1500.	1.0	10.N	20.N	7.	10.	5.L	30.	5.N
72R638	10.L	1000.	1.0	10.N	20.N	5.	15.	5.L	20.	5.N
72R639	10.L	1000.	1.0L	10.N	20.N	20.	50.	5.L	20.N	5.N
72R640	10.L	1500.	1.0	10.N	20.N	20.	15.	5.	30.	5.N
72R641	10.L	1500.	2.0	10.N	20.N	5.L	15.	5.L	30.	5.N
72R642	10.N	70.	2.0	10.N	20.N	5.N	10.N	5.N	20.	5.N
72R643	10.N	500.	2.0	10.N	20.N	5.N	10.N	5.L	30.	5.N
72R644	10.N	1500.	1.5	10.N	20.N	30.	10.L	5.L	20.L	5.N
72R645	10.L	2000.	1.5	10.N	20.N	5.N	10.N	7.	20.	5.N
72R646	10.N	1500.	1.0	10.N	20.N	5.N	10.N	5.L	20.L	5.N
72R647	10.L	2000.	1.0L	10.N	20.N	5.N	10.N	5.L	20.	5.N
72R648	10.N	1500.	2.0	10.N	20.N	5.N	10.N	5.L	20.N	5.N
72E271	10.N	20.	1.0	10.N	20.N	5.N	10.L	30.	20.N	5.N
72E328	10.N	3000.	1.0	10.N	20.N	10.	70.	20.	20.L	5.N
72E329	10.L	1500.	1.0	10.N	20.N	5.N	10.N	30.	20.N	5.N
72E330	10.N	300.	1.0	10.N	20.N	5.N	10.N	20.	20.N	5.N
72E331	10.N	5000.	1.0	10.N	20.N	5.N	10.N	20.	20.N	5.N
72E332	10.N	5000.	1.0	10.N	20.N	5.N	10.N	20.	20.L	5.N
72E333	10.N	3000.	1.0	10.N	20.N	5.N	10.N	20.	20.N	5.N
72E334	10.L	1000.	1.0	10.N	20.N	30.	100.	30.	20.L	5.N
72E335	10.L	2000.	1.0	10.N	20.N	5.L	10.L	30.	20.L	5.N
72E336	10.N	5000.	1.0	10.N	20.N	5.N	10.N	50.	20.N	5.N
72E337	10.N	1500.	1.5	10.N	20.N	7.	10.L	70.	50.	5.N
72E338	10.N	3000.	1.0	10.N	20.N	5.N	10.N	30.	20.N	5.N
72E364	10.L	1500.	1.0	10.N	20.N	20.	50.	30.	20.L	5.N
72E365	10.N	3000.	1.0	10.N	20.N	5.N	10.L	30.	20.N	5.N
72E366	10.N	2000.	1.0	10.N	20.N	5.N	10.L	30.	20.N	5.N
72E367	10.N	3000.	1.0L	10.N	20.N	5.N	10.N	10.	20.N	5.N
72E368	10.L	1500.	1.0L	10.N	20.N	15.	30.	10.	20.N	5.N
72E369	10.N	2000.	1.0L	10.N	20.N	5.N	10.N	20.	20.N	5.N
72E370	10.L	700.	1.0	10.N	20.N	5.	10.N	30.	20.P	5.N
72E371	10.L	700.	1.0L	10.N	20.N	10.	10.L	70.	20.N	5.N
72E385	10.L	200.	2.0	10.N	20.N	5.N	10.N	30.	20.P	5.N
72E386	10.L	1000.	1.0L	10.N	20.N	5.N	10.N	20.	150.	5.N
72E387	10.N	1500.	1.0L	10.N	20.N	5.N	10.N	20.	70.	5.N
72E388	10.N	2000.	1.0L	10.N	20.N	5.N	10.N	30.	20.	5.N

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-NH	S-NI	S-PR	S-SR	S-SC	S-SN	S-SR	S-V	S-W	S-Y
72R623	10.N	5.N	15.	100.N	5.N	10.N	150.	15.	50.N	15.
72R625	10.	15.	20.	100.N	15.	10.N	500.	200.	50.N	15.
72R625A	10.	5.N	15.	100.N	15.	10.N	700.	150.	50.N	30.
72R626	10.L	5.L	70.	100.N	5.	10.N	1500.	50.	50.N	10.
72R627	10.L	15.	10.L	100.N	15.	10.N	700.	150.	50.N	10.
72R629	10.L	5.	70.	100.N	15.	10.N	700.	150.	50.N	10.
72R629	10.	20.	15.	100.N	70.	10.N	1500.	300.	50.N	20.
72R630	10.	20.	15.	100.N	50.	10.N	1000.	300.	50.N	20.
72R631	10.N	5.N	15.	100.N	5.N	10.N	300.	30.	50.N	10.L
72R632	10.L	5.N	20.	100.N	5.N	10.N	100.N	15.	50.N	15.
72R633	50.	5.N	20.	100.N	5.K	10.N	100.N	15.	50.P	30.
72R634	10.	15.	20.	100.N	15.	10.N	700.	150.	50.P	15.
72R635	10.	7.	20.	100.N	15.	10.N	700.	150.	50.N	15.
72R636	10.	10.	20.	100.N	15.	10.N	700.	150.	50.N	15.
72R637	10.	5.	30.	100.N	10.	10.N	700.	150.	50.N	15.
72R638	10.L	7.	15.	100.N	10.	10.N	700.	150.	50.N	15.
72R639	10.L	10.	15.	100.N	15.	10.N	700.	150.	50.N	15.
72R640	10.	15.	15.	100.N	20.	10.N	700.	150.	50.N	30.
72R641	10.	5.	15.	100.N	10.	10.N	700.	150.	50.N	10.
72R642	10.N	5.N	10.	100.N	5.N	10.N	100.N	15.	50.N	10.
72R643	10.	5.N	50.	100.N	5.N	10.N	300.	20.	50.N	10.
72R644	15.	5.N	30.	100.N	5.N	10.N	100.L	15.	50.N	20.
72R645	10.	5.L	15.	100.N	5.N	10.N	700.	70.	50.L	20.
72R646	10.L	5.N	70.	100.N	5.N	10.N	1000.	70.	50.N	10.
72R647	10.L	10.	30.	100.N	5.N	10.N	1000.	100.	50.N	10.
72R648	10.L	5.L	15.	100.N	5.N	10.N	500.	50.	50.N	10.L
72R671	10.L	5.L	50.	100.N	5.N	10.N	100.N	15.	50.N	10.N
72E328	10.L	5.L	70.	100.N	5.K	10.N	1500.	20.	50.N	10.
72E329	10.	10.	20.	100.N	20.	10.N	1000.	200.	50.N	15.
72E330	10.L	5.L	70.	100.N	5.N	10.N	100.L	10.	50.N	10.N
72E331	10.L	5.L	70.	100.N	5.N	10.N	2000.	30.	50.N	10.N
72E332	10.	5.L	70.	100.N	5.N	10.N	1500.	70.	50.N	70.
72E333	10.L	5.L	70.	100.N	5.N	10.N	1500.	10.	50.N	10.N
72E334	10.	15.	20.	100.N	30.	10.N	1000.	300.	50.N	50.
72E335	10.L	5.L	30.	100.N	5.	10.N	1500.	70.	50.N	10.N
72E336	10.L	5.L	30.	100.N	5.N	10.N	700.	30.	50.N	10.N
72E337	10.	5.L	30.	100.N	20.	10.N	1000.	150.	50.P	30.
72E338	10.L	5.L	30.	100.N	5.P	10.N	500.	30.	50.N	10.N
72E364	10.	10.	30.	100.N	30.	10.N	700.	200.	50.P	70.
72E365	10.L	5.L	30.	100.N	5.P	10.N	1500.	30.	50.N	10.N
72E366	10.L	5.L	50.	100.N	5.N	10.N	1500.	30.	50.N	10.L
72E367	10.L	5.N	30.	100.N	5.P	10.N	1500.	30.	50.N	10.
72E368	10.	7.	15.	100.N	30.	10.N	700.	200.	50.P	20.
72E369	10.L	5.L	30.	100.N	5.N	10.N	500.	30.	50.P	10.N
72E370	10.	5.	15.	100.N	7.	10.N	300.	100.	50.P	10.
72E371	10.	5.L	15.	100.N	15.	10.N	500.	150.	50.N	15.
72E385	10.L	5.N	30.	100.N	5.N	10.N	100.	10.	50.N	10.N
72E386	10.L	5.L	20.	100.N	5.P	10.N	300.	70.	50.P	10.
72E387	10.	5.L	15.	100.N	7.	10.N	1000.	30.	50.P	20.
72E388	10.L	5.N	20.	100.N	5.N	10.N	300.	50.	50.N	10.N

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-ZN	R-ZR	AA=AL=P	INST-HG	AA=CU=P	AA=PR=P	AA=ZN=P
72R623	200. N	150.	0.05N	0.02L	25.	5.1.	5.1.
72R625	200. N	100.	0.05N	0.06	15.	10.	75.
72R625A	200. N	100.	0.05N	0.04	5.	5.	40.
72R626	200. N	200.	0.05N	0.02	5.	5.	10.
72R627	200. N	70.	0.05N	0.02L	25.	10.	5.
72R628	200. N	70.	0.05N	0.02	70.	25.	90.
72R629	200. N	70.	0.05N	0.04	150.	15.	50.
72R630	200. N	50.	0.05N	0.02L	55.	10.	60.
72R631	200. N	100.	0.05N	0.02L	5.	5.1.	30.
72R632	200. N	150.	0.05N	0.02	10.	10.	15.
72R633	200. N	70.	0.05N	0.02	5.	10.	60.
72R634	200. N	70.	0.05N	0.02L	20.	5.1.	60.
72R635	200. N	300.	0.05N	0.02L	15.	5.1.	45.
72R636	200. N	200.	0.05N	0.02L	10.	5.1.	40.
72R637	200. N	200.	0.05N	0.02L	5.	5.1.	40.
72R638	200. N	150.	0.05N	0.04	5.	5.1.	50.
72R639	200. N	70.	0.05N	0.02	15.	5.1.	60.
72R640	200. N	150.	0.05N	0.02L	25.	5.1.	40.
72R641	200. N	200.	0.05N	0.02L	5.	5.1.	40.
72R642	200. N	10. L	0.05N	0.02L	5.1.	5.1.	15.
72R643	200. N	150.	0.05N	0.04	5.1.	5.	40.
72R644	200. N	100.	0.05N	0.02	5.1.	5.1.	40.
72R645	200. N	1000.	0.05N	0.02	10.	5.1.	45.
72R646	200. N	150.	0.05N	0.04	30.	5.	20.
72R647	200. N	200.	0.05N	0.02L	10.	5.	30.
72R648	200. N	100.	0.05N	0.06	5.1.	5.1.	30.
72E271	200. N	50.	0.05N	0.02	5.1.	20.	5.
72E328	200. N	200.	0.05N	0.02N	5.	5.1.	25.
72E329	200. N	70.	0.05N	0.02N	20.	9.	35.
72E330	200. N	30.	0.05N	0.02N	5.1.	5.	25.
72E331	200. N	70.	0.05N	0.02N	5.1.	5.	25.
72E332	200. N	150.	0.05N	0.02	5.1.	5.	30.
72E333	200. N	50.	0.05N	0.02N	5.1.	5.	20.
72E334	200. N	300.	0.05N	0.02N	10.	5.	50.
72E335	200. N	100.	0.05N	0.02N	5.	5.	45.
72E337	200. N	300.	0.05N	0.02N	5.1.	5.1.	10.
72E338	200. N	300.	0.05N	0.02N	5.1.	5.1.	35.
72E339	200. N	300.	0.05N	0.02N	5.1.	5.1.	35.
72E364	200. N	100.	0.05N	0.02N	5.1.	5.	50.
72E365	200. N	100.	0.05N	0.02N	10.	5.1.	30.
72E366	200. N	70.	0.05N	0.04	5.1.	5.	40.
72E367	200. N	70.	0.05N	0.02	5.1.	5.1.	10.
72E368	200. N	150.	0.05N	0.02N	5.	5.1.	65.
72E369	200. N	200.	0.05N	0.02N	5.1.	5.1.	25.
72E370	200. N	70.	0.05N	0.02N	100.	5.	50.
72E371	200. N	50.	0.05N	0.02N	100.	5.	40.
72E385	200. N	70.	0.05N	0.02N	5.1.	5.1.	20.
72E386	200. N	50.	0.05N	0.04	5.1.	5.1.	30.
72E387	200. N	150.	0.05N	0.02	25.	5.	75.
72E388	200. N	200.	0.05L	0.04	15.	5.1.	25.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-Al
72E427	56 00 41N	130 42 06W	0.70	0.30	1.00	0.15	500.	0.5N	200.N	10.N
72E427	56 01 02N	130 32 23W	3.00	0.50	1.50	0.20	500.	0.5N	200.N	10.N
72E428	56 00 15N	130 30 47W	3.00	0.50	1.50	0.30	700.	0.5N	200.N	10.N
72E429	56 00 28N	130 27 33W	2.00	0.70	1.50	0.20	500.	0.5N	200.N	10.N
72E430	56 00 05N	130 25 48W	5.00	0.70	2.00	0.70	500.	0.5N	200.N	10.N
72E431	56 00 10N	130 23 33W	1.50	0.30	1.50	0.15	150.	0.5N	200.N	10.N
72E432	56 00 46N	130 22 33W	3.00	1.50	10.00	0.30	1500.	0.5N	200.N	10.N
72E433	56 02 06N	130 21 04W	5.00	1.50	3.00	0.50	700.	0.5N	200.N	10.N
72E434	56 02 34N	130 21 48W	7.00	2.00	2.00	0.30	700.	0.5N	200.N	10.N
72E435	56 02 57N	130 22 22W	7.00	1.50	2.00	0.50	700.	0.5N	200.N	10.N
72E436	56 01 35N	130 24 30W	5.00	2.00	1.50	0.30	300.	0.5N	200.N	10.N
72E437	56 01 16N	130 21 25W	3.00	1.50	3.00	0.50	700.	0.5N	200.N	10.N
72E438	56 01 06N	130 35 02W	1.50	0.50	2.00	0.15	150.	0.5N	200.N	10.N
72E439	56 01 39N	130 31 40W	1.50	0.50	0.50	0.20	300.	0.5N	200.N	10.N
72E440	56 08 37N	130 39 53W	1.50	0.50	1.00	0.20	300.	0.5N	200.N	10.N
72E441	56 09 19N	130 39 44W	1.00	0.15	0.70	0.10	300.	0.5N	200.N	10.N
72E442	56 10 51N	130 38 26W	2.00	1.00	3.00	0.30	700.	0.5N	200.N	10.N
72E443	56 12 08N	130 36 38W	5.00	1.50	1.50	0.50	1500.	0.5N	200.N	10.N
72E444	56 13 10N	130 36 23W	3.00	1.00	2.00	0.30	700.	0.5N	200.N	10.N
72E445	56 10 44N	130 36 47W	2.00	0.70	2.00	0.20	300.	0.5N	200.N	10.N
72E446	56 10 02N	130 36 24W	5.00	1.00	1.50	0.50	1000.	0.5N	200.N	10.N
72E447	56 08 44N	130 37 07W	3.00	1.00	2.00	0.30	700.	0.5N	200.N	10.N
72E448	56 07 06N	130 37 53W	5.00	0.70	2.00	0.50	500.	0.5N	200.N	10.N
72E449	56 07 08N	130 36 15W	10.00	2.00	7.00	0.70	1500.	0.5N	200.N	10.N
72E450	56 08 55N	130 35 27W	5.00	2.00	5.00	0.50	1000.	0.5N	200.N	10.N
72E451	56 09 55N	130 34 52W	3.00	1.00	2.00	0.30	300.	0.5N	200.N	10.N
72E452	56 10 53N	130 34 14W	5.00	2.00	3.00	0.70	700.	0.5N	200.N	10.N
72E453	56 11 29N	130 33 00W	3.00	1.00	2.00	0.30	300.	0.5N	200.N	10.N
72E454	56 12 02N	130 31 46W	5.00	1.00	3.00	0.30	500.	0.5N	200.N	10.N
72E455	56 14 03N	130 31 28W	5.00	1.50	3.00	0.30	700.	0.5N	200.N	10.N
72E456	56 14 36N	130 27 54W	3.00	1.50	3.00	0.30	700.	0.5N	200.N	10.N
72E457	56 12 48N	130 29 30W	7.00	1.00	0.70	0.50	1000.	0.5N	200.N	10.N
72E458	56 12 26N	130 29 35W	1.50	0.15	1.50	0.15	300.	0.5N	200.N	10.N
72E459	56 12 33N	130 28 01W	5.00	1.00	0.70	0.50	700.	0.5N	200.N	10.N
72E460	56 11 13N	130 27 58W	0.70	0.05	0.15	0.03	300.	0.5N	200.N	10.N
72E461	56 08 29N	130 33 56W	7.00	3.00	5.00	0.50	1000.	0.5N	200.N	10.N
72E462	56 06 08N	130 28 03W	7.00	2.00	5.00	0.50	1000.	0.5N	200.N	10.N
72E463	56 06 36N	130 33 34W	1.00	0.20	0.70	0.15	200.	0.5N	200.N	10.N
72E464	56 08 11N	130 32 15W	1.50	0.30	1.50	0.20	300.	0.5N	200.N	10.N
72E465	56 09 43N	130 30 55W	1.50	0.30	0.70	0.20	200.	0.5N	200.N	10.N
72E466	56 10 17N	130 29 43W	2.00	0.70	1.50	0.30	300.	0.5N	200.N	10.N
72E467	56 09 59N	130 28 47W	2.00	0.70	1.50	0.20	300.	0.5N	200.N	10.N
72E468	56 11 19N	130 26 20W	7.00	1.50	1.50	0.50	1000.	0.5N	200.N	10.N
72E469	56 05 34N	130 34 36W	3.00	0.70	1.50	0.30	300.	0.5N	200.N	10.N
72E470	56 04 58N	130 36 53W	0.70	0.15	1.00	0.10	200.	0.5N	200.N	10.N
72E471	56 04 19N	130 37 09W	1.50	0.20	1.50	0.15	500.	0.5N	200.N	10.N
72E472	56 02 59N	130 32 31W	0.70	0.15	1.00	0.10	200.	0.5N	200.N	10.N
72E473	56 07 16N	130 25 19W	2.00	1.00	1.50	0.30	500.	0.5N	200.N	10.N
72E474	56 03 00N	130 36 16W	5.00	0.70	1.50	0.50	700.	0.5N	200.N	10.N
72E475	56 03 05N	130 35 04W	3.00	0.70	2.00	0.20	700.	0.5N	200.N	10.N

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-B	S-BA	S-BE	S-BI	S-CD	S-CU	S-CR	S-CU	S-LA	S-MD
72E389	10.0	1500.	1.0	10.0	20.0	5.0	10.0	15.0	20.0	5.0
72E427	10.0	2000.	1.0	10.0	20.0	5.0	10.0	15.0	70.0	5.0
72E428	10.0	1500.	1.0	10.0	20.0	5.0	10.0	15.0	30.0	5.0
72E429	10.0	1500.	1.5	10.0	20.0	5.0	10.0	20.0	20.0	5.0
72E430	10.0	3000.	1.0	10.0	20.0	5.0	10.0	20.0	70.0	5.0
72E431	10.0	1500.	1.0	10.0	20.0	5.0	10.0	7.0	30.0	5.0
72E432	10.0	70.	1.0	10.0	20.0	7.0	100.	7.0	30.0	5.0
72E433	10.0	1500.	1.0	10.0	20.0	7.0	10.0	7.0	30.0	5.0
72E434	10.0	1500.	1.0	10.0	20.0	30.0	70.0	15.0	20.0	5.0
72E435	10.0	1500.	1.0	10.0	20.0	15.0	15.0	20.0	30.0	5.0
72E436	30.0	700.	1.0	10.0	20.0	20.0	150.	30.0	20.0	5.0
72E437	10.0	1000.	1.0	10.0	20.0	5.0	70.0	15.0	30.0	5.0
72E438	10.0	500.	1.0	10.0	20.0	5.0	10.0	15.0	20.0	5.0
72E439	10.0	1500.	1.0	10.0	20.0	5.0	10.0	10.0	20.0	5.0
72E440	10.0	3000.	1.0	10.0	20.0	5.0	10.0	30.0	20.0	5.0
72E441	10.0	1500.	1.0	10.0	20.0	5.0	10.0	20.0	20.0	5.0
72E442	10.0	2000.	1.0	10.0	20.0	15.0	10.0	50.0	30.0	5.0
72E443	10.0	1500.	1.0	10.0	20.0	15.0	50.0	50.0	20.0	5.0
72E444	10.0	1500.	1.0	10.0	20.0	5.0	10.0	15.0	20.0	5.0
72E445	10.0	2000.	1.0	10.0	20.0	5.0	10.0	15.0	20.0	5.0
72E446	10.0	1000.	1.0	10.0	20.0	10.0	15.0	15.0	20.0	5.0
72E447	10.0	1500.	1.0	10.0	20.0	10.0	10.0	30.0	20.0	5.0
72E448	10.0	2000.	1.0	10.0	20.0	5.0	10.0	70.0	20.0	5.0
72E449	10.0	200.	1.0	10.0	20.0	30.0	30.0	70.0	20.0	5.0
72E450	10.0	300.	1.0	10.0	20.0	15.0	15.0	30.0	20.0	5.0
72E451	10.0	1500.	1.0	10.0	20.0	5.0	15.0	30.0	20.0	5.0
72E452	10.0	2000.	1.0	10.0	20.0	10.0	30.0	30.0	30.0	5.0
72E453	10.0	1500.	1.0	10.0	20.0	5.0	15.0	30.0	30.0	5.0
72E454	10.0	1500.	1.0	10.0	20.0	5.0	10.0	30.0	30.0	5.0
72E455	10.0	1500.	1.0	10.0	20.0	7.0	15.0	20.0	30.0	5.0
72E456	10.0	1500.	1.0	10.0	20.0	5.0	10.0	20.0	20.0	5.0
72E457	10.0	1500.	1.0	10.0	20.0	5.0	10.0	30.0	20.0	5.0
72E458	10.0	1500.	1.0	10.0	20.0	5.0	10.0	30.0	20.0	5.0
72E459	10.0	700.	1.0	10.0	20.0	5.0	15.0	20.0	20.0	5.0
72E460	10.0	1000.	1.5	10.0	20.0	5.0	10.0	30.0	20.0	5.0
72E461	10.0	1500.	1.0	10.0	20.0	15.0	70.0	30.0	30.0	5.0
72E462	10.0	1500.	1.0	10.0	20.0	15.0	30.0	10.0	20.0	5.0
72E463	10.0	1000.	1.0	10.0	20.0	5.0	10.0	5.0	20.0	5.0
72E464	10.0	1500.	1.5	10.0	20.0	5.0	10.0	5.0	20.0	5.0
72E465	10.0	1500.	1.0	10.0	20.0	5.0	10.0	5.0	30.0	5.0
72E466	10.0	1000.	1.5	10.0	20.0	5.0	10.0	5.0	30.0	5.0
72E467	10.0	1500.	1.5	10.0	20.0	15.0	10.0	5.0	20.0	5.0
72E468	10.0	700.	1.0	10.0	20.0	15.0	20.0	7.0	20.0	5.0
72E469	10.0	3000.	1.0	10.0	20.0	5.0	10.0	5.0	50.0	5.0
72E470	10.0	2000.	1.0	10.0	20.0	5.0	10.0	5.0	30.0	5.0
72E471	10.0	3000.	1.0	10.0	20.0	5.0	10.0	5.0	20.0	5.0
72E472	10.0	1500.	1.0	10.0	20.0	5.0	10.0	5.0	20.0	5.0
72E473	10.0	1500.	1.0	10.0	20.0	5.0	10.0	5.0	20.0	5.0
72E474	10.0	1500.	1.5	10.0	20.0	15.0	20.0	15.0	20.0	5.0
72E475	10.0	3000.	1.0	10.0	20.0	5.0	15.0	5.0	20.0	5.0

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-MR	S-MI	S-MR	S-SC	S-SN	S-SR	S-V	S-W	S-Y
72F380	10.L	5.N	100.N	5.L	10.N	1000.	20.	50.N	10.
72F427	10.L	5.N	100.N	5.L	10.N	700.	50.	50.N	10.L
72F428	10.L	5.N	100.N	5.L	10.N	700.	70.	50.N	10.
72F429	10.L	5.N	100.N	5.L	10.N	700.	50.	50.N	10.L
72F430	10.	5.	100.N	7.	10.N	1000.	100.	50.N	10.
72F431	10.N	5.L	100.N	5.N	10.N	700.	30.	50.N	10.N
72F432	10.	70.	100.N	15.	10.N	300.	200.	50.N	30.
72F433	10.	5.	100.N	15.	10.N	700.	150.	50.N	15.
72F434	10.	20.	100.N	30.	10.N	700.	300.	50.N	20.
72F435	10.	5.	100.N	15.	10.N	700.	150.	50.N	15.
72F436	10.	150.	100.N	15.	10.N	300.	200.	50.N	20.
72F437	10.	50.	100.N	15.	10.N	500.	200.	50.N	30.
72F438	10.L	7.	100.N	5.N	10.N	700.	30.	50.N	10.L
72F439	10.L	5.L	100.N	5.N	10.N	500.	30.	50.N	10.N
72F440	10.	5.L	100.N	5.N	10.N	1000.	30.	50.N	10.L
72F441	10.L	5.L	100.N	5.N	10.N	500.	20.	50.N	10.N
72F442	10.L	5.L	100.N	7.	10.N	1500.	70.	50.N	10.
72F443	10.	20.	100.N	20.	10.N	300.	150.	50.N	50.
72F444	10.	5.L	100.N	10.	10.N	700.	70.	50.N	20.
72F445	10.L	5.L	100.N	5.N	10.N	1000.	50.	50.N	10.
72F446	10.L	10.	100.N	20.	10.N	200.	150.	50.N	50.
72F447	10.L	5.	100.N	15.	10.N	500.	150.	50.N	15.
72F448	10.	5.L	100.N	7.	10.N	1000.	70.	50.N	10.
72F449	10.	20.	100.N	30.	10.N	300.	200.	50.N	30.
72F450	10.	15.	100.N	20.	10.N	300.	200.	50.N	20.
72F451	10.	5.	100.N	7.	10.N	700.	70.	50.N	10.L
72F452	10.	15.	100.N	15.	10.N	1500.	150.	50.N	10.
72F453	10.L	5.	100.N	7.	10.N	700.	70.	50.N	10.L
72F454	10.	5.	100.N	7.	10.N	1500.	70.	50.N	10.L
72F455	10.	5.	100.N	10.	10.N	700.	150.	50.N	10.
72F456	10.	5.L	100.N	7.	10.N	1000.	100.	50.N	15.
72F457	10.L	10.	100.N	15.	10.N	150.	100.	50.N	20.
72F458	10.L	5.L	100.N	5.N	10.N	1500.	20.	50.N	10.N
72F459	10.	5.	100.N	15.	10.N	100.	150.	50.N	15.
72F460	10.L	5.L	100.N	5.N	10.N	1000.	15.	50.N	10.N
72F461	10.	15.	100.N	30.	10.N	1500.	200.	50.N	15.
72F462	10.	15.	100.N	20.	10.N	700.	150.	50.N	20.
72F463	10.N	5.L	100.N	5.N	10.N	300.	15.	50.N	10.N
72F464	10.N	5.L	100.N	5.N	10.N	700.	30.	50.N	10.N
72F465	10.N	5.L	100.N	5.N	10.N	300.	30.	50.N	10.N
72F466	10.N	5.L	100.N	5.	10.N	700.	50.	50.N	10.N
72F467	10.N	5.L	100.N	5.N	10.N	700.	50.	50.N	10.N
72F468	10.L	15.	100.N	20.	10.N	150.	150.	50.N	30.
72F469	10.L	5.N	100.N	5.N	10.N	700.	30.	50.N	10.
72F470	10.N	5.L	100.N	5.N	10.N	700.	20.	50.N	10.N
72F471	10.L	5.L	100.N	5.N	10.N	1000.	30.	50.N	10.N
72F472	10.N	5.N	100.N	5.N	10.N	700.	15.	50.N	10.
72F473	10.L	5.L	100.N	7.	10.N	500.	50.	50.N	10.
72F474	10.	15.	100.N	15.	10.N	300.	150.	50.N	30.
72F475	10.L	5.	100.N	7.	10.N	1500.	100.	50.N	10.L

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-ZN	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PR-P	AA-ZN-P
72E389	200. N	150.	0.05N	0.02N	5. L	5. L	20.
72E427	200. N	150.	0.05N	0.12	5.	5.	60.
72E428	200. N	200.	0.05N	0.04	5.	5.	100.
72E429	200. N	200.	0.05N	0.08	5.	5. L	80.
72E430	200. N	200.	0.05N	0.02L	5.	5.	80.
72E431	200. N	70.	0.05N	0.02	5. L	5. L	55.
72E432	200. N	150.	0.05N	0.02	10.	10.	5.
72E433	200. N	150.	0.05N	0.02L	5. L	10.	65.
72E434	200. N	70.	0.05N	0.02L	5.	10.	80.
72E435	200. N	200.	0.05N	0.02	5.	10.	70.
72E436	200. N	70.	0.05N	0.12	70.	5.	170.
72E437	200. N	150.	0.05N	0.08	15.	5. L	5. L
72E438	200. N	300.	0.05N	0.06	10.	5. L	20.
72E439	200. N	200.	0.05N	0.02	5.	10.	90.
72E440	200. N	150.	0.05N	0.02N	5. L	10.	45.
72E441	200. N	70.	0.05N	0.02N	5. L	10.	20.
72E442	200. N	200.	0.05N	0.02	10.	10.	60.
72E443	200. N	200.	0.05N	0.02	70.	10.	100.
72E444	200. N	100.	0.05N	0.02N	5.	10.	60.
72E445	200. N	150.	0.05N	0.02N	5.	5. L	65.
72E446	200. N	150.	0.05N	0.02N	55.	25.	65.
72E447	200. N	100.	0.05N	0.02N	15.	15.	45.
72E448	200. N	300.	0.05N	0.08	10.	10.	55.
72E449	200. N	100.	0.05N	0.02	50.	5.	30.
72E450	200. N	70.	0.05N	0.02N	90.	15.	20.
72E451	200. N	200.	0.05N	0.04	5.	5. L	40.
72E452	200. N	300.	0.05N	0.02	5.	5. L	45.
72E453	200. N	100.	0.05N	0.06	5.	10.	45.
72E454	200. N	200.	0.05N	0.06	20.	10.	80.
72E455	200. N	200.	0.05N	0.02	5. L	5.	50.
72E456	200. N	300.	0.05N	0.02N	5. L	5.	40.
72E457	200. N	200.	0.05N	0.02N	10.	10.	80.
72E458	200. N	100.	0.05N	0.02N	5.	5.	20.
72E459	200. N	150.	0.05N	0.02	10.	5. L	70.
72E460	200. N	100.	0.05N	0.02	5. L	5. L	20.
72E461	200. N	150.	0.05N	0.02N	10.	5.	50.
72E462	200. N	150.	0.05N	0.08	40.	10.	60.
72E463	200. N	70.	0.05N	0.04	20.	5.	30.
72E464	200. N	150.	0.05N	0.04	20.	5.	60.
72E465	200. N	150.	0.05N	0.02	15.	5.	45.
72E466	200. N	150.	0.05N	0.02N	25.	5.	60.
72E467	200. N	150.	0.05N	0.02	10.	5.	30.
72E468	200. N	150.	0.05N	0.02	30.	10.	80.
72E469	200. N	100.	0.05N	0.02	10.	5.	60.
72E470	200. N	100.	0.05N	0.10	10.	5.	25.
72E471	200. N	150.	0.05N	0.04	10.	5.	25.
72E472	200. N	70.	0.05N	0.02	10.	5.	10.
72E473	200. N	70.	0.05N	0.02N	5.	5.	40.
72E474	200. N	150.	0.05N	0.02L	60.	10.	70.
72E475	200. N	100.	0.05N	0.02L	25.	5.	15.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	S-PF%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU
72E476	56 03 27N	130 34 10W	3.00	0.70	2.00	0.30	1000.	0.5N	200.N	10.N
72E477	56 04 39N	130 33 59W	2.00	0.30	1.50	0.15	200.	0.5N	200.N	10.N
72E478	56 04 23N	130 33 20W	3.00	0.70	1.50	0.30	700.	0.5N	200.N	10.N
72E479	56 04 18N	130 32 28W	2.00	0.70	1.50	0.30	500.	0.5N	200.N	10.N
72E480	56 03 50N	130 31 21W	5.00	3.00	3.00	0.50	1000.	0.5N	200.N	10.N
72E481	56 04 19N	130 30 12W	2.00	0.20	1.00	0.20	300.	0.5N	200.N	10.N
72E482	56 04 44N	130 30 02W	1.00	0.20	0.70	0.15	300.	0.5N	200.N	10.N
72E483	56 04 30N	130 28 36W	1.50	0.20	0.70	0.15	300.	0.5N	200.N	10.N
72E484	56 04 50N	130 27 55W	2.00	0.20	0.70	0.20	700.	0.5N	200.N	10.N
72E485	56 04 26N	130 28 01W	1.00	0.15	0.70	0.15	700.	0.5N	200.N	10.N
72E486	56 03 56N	130 28 46W	5.00	2.00	2.00	0.30	1000.	0.5N	200.N	10.N
72E487	56 04 28N	130 25 11W	3.00	0.70	1.50	0.50	700.	0.5N	200.N	10.N
72E488	56 05 44N	130 22 16W	3.00	1.50	1.50	0.30	700.	0.5N	200.N	10.N
72E489	56 05 44N	130 22 16W	10.00	3.00	10.00	0.70	1500.	0.5N	200.N	10.N
72E490	56 00 53N	130 38 01W	1.50	0.15	0.30	0.15	200.	0.5N	200.N	10.N
72E491	56 00 09N	130 38 30W	2.00	0.50	1.00	0.30	300.	0.5N	200.N	10.N
72E492	56 01 25N	130 37 48W	3.00	0.70	1.50	0.30	700.	0.5N	200.N	10.N
72E493	56 02 47N	130 35 01W	3.00	0.70	1.50	0.30	500.	0.5N	200.N	10.N
72E494	56 03 23N	130 27 09W	3.00	0.70	1.50	0.30	700.	0.5N	200.N	10.N
72E495	56 08 39N	130 27 42W	1.50	0.20	0.70	0.15	150.	0.5N	200.N	10.N
72E496	56 09 23N	130 28 05W	5.00	1.50	3.00	0.70	700.	0.5N	200.N	10.N
72E497	56 08 17N	130 28 41W	7.00	3.00	1.50	0.70	700.	0.5N	200.N	10.N
72E498	56 07 35N	130 30 20W	3.00	1.50	2.00	0.30	700.	0.5N	200.N	10.N
72E499	56 06 48N	130 32 25W	5.00	1.50	3.00	0.30	700.	0.5N	200.N	10.N
72E500	56 06 44N	130 29 04W	7.00	3.00	3.00	0.50	1000.	0.5N	200.N	10.N
72E501	56 07 06N	130 27 37W	3.00	1.00	2.00	0.50	700.	0.5N	200.N	10.N
72E502	56 08 10N	130 26 06W	7.00	3.00	3.00	1.00	700.	0.5N	200.N	10.N
72E503	56 07 44N	130 20 50W	3.00	0.70	1.50	0.30	700.	0.5N	200.N	10.N
72E504	56 05 54N	130 25 08W	1.50	0.10	0.30	0.10	3000.	0.5N	200.N	10.N
72E505	56 03 59N	130 27 06W	1.50	0.15	0.50	0.15	700.	0.5N	200.N	10.N
72E506	56 05 13N	130 22 29W	10.00	3.00	3.00	0.70	1000.	0.5N	200.N	10.N
72E507	56 02 03N	130 37 30W	7.00	1.50	1.50	0.50	700.	0.5N	200.N	10.N
72E508	56 03 39N	130 36 53W	5.00	1.50	1.50	0.30	1000.	0.5N	200.N	10.N
72E509	56 04 00N	130 35 01W	2.00	0.50	2.00	0.20	700.	0.5N	200.N	10.N
72E510	56 04 55W	130 32 47W	3.00	0.70	2.00	0.15	1000.	0.5N	200.N	10.N
72E511	56 01 19N	130 43 41W	2.00	0.70	2.00	0.20	700.	0.5N	200.N	10.N
72E512	56 04 19N	130 21 49W	7.00	2.00	5.00	0.50	1500.	0.5N	200.N	10.N
72E513	56 03 02N	130 27 03W	2.00	0.70	2.00	0.10	1000.	0.5N	200.N	10.N
72E514	56 00 01N	130 35 54W	0.70	0.15	1.00	0.10	150.	0.5N	200.N	10.N
72E515	56 00 18N	130 57 17W	2.00	1.50	1.50	0.20	500.	0.5N	200.N	10.N
72E516	56 00 26N	130 59 43W	1.50	0.50	1.50	0.10	200.	0.5N	200.N	10.N
72E517	56 00 27N	131 02 06W	2.00	0.70	1.50	0.15	300.	0.5N	200.N	10.N
72E518	56 01 12N	131 02 06W	1.50	0.70	1.50	0.20	300.	0.5N	200.N	10.N
72E519	56 01 12N	131 05 50W	2.00	1.00	1.50	0.20	300.	0.5N	200.N	10.N
72E520	56 00 15N	131 14 20W	3.00	1.50	2.00	0.30	1000.	0.5N	200.N	10.N
72E521	56 00 27N	131 13 20W	3.00	1.50	2.00	0.30	700.	0.5N	200.N	10.N
72E522	56 00 50N	131 12 41W	3.00	1.50	2.00	0.30	700.	0.5N	200.N	10.N
72E523	56 01 13N	131 11 49W	3.00	1.00	1.50	0.30	700.	0.5N	200.N	10.N
72E524	56 01 46N	131 11 28W	2.00	1.00	1.50	0.20	1500.	0.5N	200.N	10.N

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-R	S-HA	S-HF	S-HI	S-CD	S-CR	S-CU	S-IA	S-MO
72E476	10, N	3000.	1.0	10, N	20, N	10, L	5, L	150.	5, N
72E477	10, N	3000.	1.0L	10, N	20, N	10, N	5, L	20, F	5, N
72E478	10, N	2000.	1.0L	10, N	20, N	10, L	5, L	20.	5, N
72E479	10, N	2000.	1.0L	10, N	20, N	10, N	5, L	20, L	5, N
72E480	10, L	1500.	1.0L	10, N	20, N	15.	5, L	30.	5, N
72E481	10, N	1500.	1.0L	10, N	20, N	10, N	5, L	100.	5, N
72E482	10, N	1000.	1.0L	10, N	20, N	10, N	5, L	70.	5, N
72E483	10, N	700.	1.0L	10, N	20, N	10, L	5, L	20, N	5, N
72E484	10, N	700.	3.0	10, N	20, N	10, L	5, L	20.	5, N
72E485	10, N	700.	1.0	10, N	20, N	10, N	5, L	50.	5, N
72E486	10, N	1500.	1.0L	10, N	20, N	15.	5, L	20.	5, N
72E487	10, L	1500.	1.0	10, N	20, N	15.	5, L	50.	5, N
72E488	10, L	1000.	1.0L	10, N	20, N	7.	20.	20, L	5, N
72E488H	10, L	30.	1.0N	10, N	20, N	10.	50.	20, N	5, N
72E489	10, N	500.	1.0	10, N	20, N	10, N	5, N	20, N	5, N
72E490	10, N	1500.	1.5	10, N	20, N	10, N	5, N	20, N	5, N
72E491	10, N	2000.	1.0	10, N	20, N	15.	5, L	70.	5, N
72E492	10, N	2000.	1.0	10, N	20, N	10, L	5, L	300.	20.
72E493	10, N	1500.	1.0	10, N	20, N	10, L	5, L	150.	5, N
72E494	10, N	1500.	1.0L	10, N	20, N	10, L	5, L	30.	5, N
72E495	10, N	1500.	1.5	10, N	20, N	10, N	5, L	20, N	5, N
72E496	10, L	1000.	1.5	10, N	20, N	10, N	5, L	50.	5, N
72E497	10, L	1000.	1.5	10, N	20, N	30.	15.	30.	5, N
72E498	10, L	1500.	1.5	10, N	20, N	100.	5.	20.	5, N
72E499	10, L	1000.	1.0	10, N	20, N	10.	5, L	20, L	5, N
72E500	10, L	1000.	1.0L	10, N	20, N	15.	5, L	20, L	5, N
72E501	10, L	1000.	1.5	10, N	20, N	10.	5, L	20, L	5, N
72E502	10, L	1500.	1.5	10, N	20, N	20.	5, L	20.	5, N
72E503	10, L	1500.	1.5	10, N	20, N	15.	5, L	70.	5, N
72E504	10, N	50.	2.0	10, N	20, N	20.	10.	150.	5, N
72E505	10, N	700.	1.5	10, N	20, N	10, L	5, L	70.	5, N
72E506	10, L	1000.	1.0L	10, N	20, N	10, N	5, L	20, L	5, N
72E507	10, L	3000.	1.0L	10, N	20, N	10, L	5, L	20, L	5, N
72E508	10, L	1500.	2.0	10, N	20, N	10, L	5, L	20.	5, N
72E509	10, L	2000.	1.5	10, N	20, N	10, L	5, L	150.	5, N
72E510	10, L	5000, G	1.0	10, N	20, N	10, L	5, L	70.	5, N
72E504	10, L	1500.	1.0	10, N	20, N	10, N	5, L	20, L	5, N
72E5075	10, L	200.	1.0L	10, N	20, N	100.	7.	20, L	5, N
72E5076	10, L	3000.	1.5	10, N	20, N	10, L	5, L	50.	5, N
72E5080	10, N	2000.	1.0	10, N	20, N	10, L	5, L	30.	5, N
73A076A	10, N	1500.	1.0	10, N	20, N	10, L	5, L	20, L	5, N
73B077A	10, N	1500.	1.5	10, N	20, N	10, N	30.	100.	5, N
73B078A	10, N	1000.	1.5	10, L	20, N	20.	15.	20, L	5, N
73B078R	10, N	700.	1.5	10, L	20, N	20.	50.	30.	10.
73B091A	10, N	1500.	1.5	10, N	20, N	10.	20.	20.	5, N
73E002A	10, N	700.	1.0L	10, N	20, N	15.	15.	30.	5, N
73E003A	10, N	700.	1.0	10, N	20, N	20.	15.	20.	5, N
73E004A	10, N	700.	1.0	10, N	20, N	20.	15.	20.	5, N
73E005A	10, N	500.	1.0	10, N	20, N	30.	100.	30.	30.
73E006A	10, N	700.	1.5	10, N	20, N	15.	30.	20.	5, N
						10, L	15.	20.	5, N

SAMPLE	S-NH	S-NI	S-PH	S-SA	S-SC	S-SH	S-SR	S-V	S-W	S-Y
72E476	10, N	5, L	50,	100, N	5,	10, N	2000,	150,	50, N	30,
72E477	10, N	5, L	30,	100, N	5, N	10, N	700,	30,	50, N	10,
72E478	10, L	5, N	15,	100, N	5, L	10, N	700,	70,	50, N	10,
72E479	10, N	5, L	15,	100, N	5, N	10, N	700,	30,	50, N	10, L
72E480	10, L	5,	20,	100, N	15,	10, N	700,	150,	50, N	30,
72E481	10, L	5, L	15,	100, N	5, N	10, N	500,	30,	50, N	20,
72E482	10, L	5, N	15,	100, N	5, N	10, N	300,	20,	50, N	10, L
72E483	10, L	5, N	15,	100, N	5, N	10, N	300,	20,	50, N	10, L
72E484	20,	5, L	30,	100, N	5, N	10, N	200,	30,	50, N	20,
72E485	10, L	5, L	30,	100, N	5, N	10, N	200,	15,	50, N	15,
72E486	10, L	5, L	15,	100, N	10,	10, N	700,	150,	50, N	15,
72E487	10,	5,	20,	100, N	10,	10, N	700,	70,	50, N	10,
72E488	10, L	70,	10, L	100, N	10,	10, N	200,	150,	50, N	15,
72E488R	10,	50,	10, N	100, N	15,	10, N	700,	150,	50, N	15,
72E489	10, N	5, N	20,	100, N	5, L	10, N	150,	15,	50, N	10, L
72E490	10, N	5, N	15,	100, N	5, L	10, N	700,	50,	50, N	10, L
72E491	10, L	5, N	15,	100, N	5, L	10, N	700,	100,	50, N	10,
72E492	10,	5, N	20,	100, N	5, L	10, N	500,	70,	50, N	15,
72E493	10, L	5, N	15,	100, N	5, L	10, N	700,	50,	50, N	10, L
72E494	10, L	5, N	15,	100, N	5, L	10, N	500,	70,	50, N	10, L
72E495	10, L	5, L	20,	100, N	5, N	10, N	300,	20,	50, N	10,
72E496	10,	20,	10,	100, N	15,	10, N	700,	150,	50, N	10,
72E497	10,	50,	15,	100, N	20,	10, N	500,	150,	50, N	15,
72E498	10,	5, L	20,	100, N	10,	10, N	700,	100,	50, N	10,
72E499	10,	5, L	15,	100, N	10,	10, N	700,	150,	50, N	15,
72E500	10,	5,	15,	100, N	15,	10, N	700,	150,	50, N	30,
72E501	10,	5,	15,	100, N	10,	10, N	700,	100,	50, N	20,
72E502	10,	30,	15,	100, N	15,	10, N	700,	150,	50, N	30,
72E503	10, L	7,	20,	100, N	7,	10, N	500,	70,	50, N	15,
72E504	70,	5,	30,	100, N	10,	10, N	100, L	15,	50, N	50,
72E505	10, L	5, L	20,	100, N	5, N	10, N	200,	15,	50, N	10, L
72E506	10,	50,	10, L	100, N	30,	10, N	700,	300,	50, N	30,
72E507	10, L	5,	20,	100, N	7,	10, N	700,	100,	50, N	10, L
72E508	10, L	5,	50,	100, N	7,	10, N	700,	100,	50, N	20,
72E509	10, L	5,	50,	100, N	5, L	10, N	2000,	50,	50, N	20,
72E510	10, L	5,	50,	100, N	5, N	10, N	3000,	100,	50, N	15,
72E504	10, L	5, L	20,	100, N	5,	10, N	700,	50,	50, N	10,
72E5075	10,	5,	15,	100, N	20,	10, N	700,	150,	50, N	30,
72E5076	10,	5, L	150,	100, N	5,	10, N	1500,	100,	50, N	15,
72E5080	10, L	5,	15,	100, N	5, N	10, N	700,	15,	50, N	10, N
73B076A	20, L	10,	15,	100, N	10,	10, N	700,	70,	50, N	20,
73B077A	20, N	5, L	15,	100, N	5,	10, N	500,	50,	50, N	10,
73B078A	20, N	10,	20,	100, N	7,	10, N	500,	50,	50, N	10,
73B079A	20, N	10,	15,	100, N	5, L	10, N	500,	50,	50, N	10, L
73B094A	20, N	5,	10,	100, N	5,	10, N	700,	30,	50, N	10, L
73E002A	20, L	5,	10,	100, L	15,	10, N	500,	100,	50, N	15,
73E003A	20, N	5,	10,	100, N	15,	10, N	500,	100,	50, N	15,
73E004A	20, N	10,	15,	100, N	10,	10, N	700,	100,	50, N	15,
73E005A	20, N	10,	10,	100, N	15,	10, N	500,	100,	50, N	20,
73E006A	20, L	5, L	10,	100, N	7,	10, N	500,	70,	50, N	20,

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	6-ZN	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PR-P	AA-ZN-P
72E476	200. N	150.	0.05N	0.04	15.	5.	15.
72E477	200. N	70.	0.05N	0.02	10.	5.	60.
72E478	200. N	500.	0.05N	0.02L	10.	5.	80.
72E479	200. N	300.	0.05N	0.02L	5.	5.	40.
72E480	200. N	150.	0.05N	0.02	10.	5.	60.
72E481	200. N	150.	0.05N	0.02L	10.	5.	45.
72E482	200. N	70.	0.05N	0.02L	5.	5.	30.
72E483	200. N	70.	0.05N	0.02L	5.	5.	35.
72E484	200. N	200.	0.05N	0.02	5.L	5.	70.
72E485	200. N	70.	0.05N	0.02L	5.L	5.	35.
72E486	200. N	150.	0.05N	0.04	5.	5.	60.
72E487	200. N	200.	0.05N	0.02L	10.	5.	60.
72E488	200. N	100.	0.05N	0.04	55.	5.	60.
72E488H	200. N	70.	0.05N	0.08	110.	5.	30.
72E489	200. N	70.	0.05N	0.02L	5.	5.	30.
72E490	200. N	200.	0.05N	0.02L	5.	5.	60.
72E491	200. N	700.	0.05N	0.02	15.	5.	55.
72E492	200. N	300.	0.05N	0.04	15.	5.	70.
72E493	200. H	150.	0.05N	0.02	10.	5.	60.
72E494	200. N	70.	0.05N	0.02L	10.	5.	40.
72E495	200. N	200.	0.05N	0.02L	5.	5.L	10.
72E496	200. N	200.	0.05N	0.04	55.	5.L	40.
72E497	200. N	300.	0.05N	0.02L	20.	5.	90.
72E498	200. N	100.	0.05N	0.02	10.	5.L	60.
72E499	200. N	100.	0.05N	0.02L	10.	5.	35.
72E500	200. N	100.	0.05N	0.02L	25.	5.L	30.
72E501	200. N	100.	0.05N	0.06	5.	5.L	30.
72E502	200. N	300.	0.05N	0.02	30.	5.	40.
72E503	200. N	200.	0.05N	0.04	5.	5.	45.
72E504	200. N	70.	0.05N	0.02L	5.	10.	55.
72E505	200. N	100.	0.05N	0.02L	5.	5.	30.
72E506	200. H	70.	0.05N	0.04	40.	5.L	40.
72E507	200. H	150.	0.05N	0.02L	10.	5.L	45.
72E508	200. N	300.	0.05N	0.02L	10.	5.	50.
72E509	200. N	150.	0.05N	0.02L	5.L	5.L	15.
72E510	200. N	70.	0.05N	0.02L	5.	5.L	15.
72E511	200. N	70.	0.05N	0.14	5.	5.	35.
72E512	200. N	100.	0.05N	0.06	15.	10.	25.
72E513	200. N	200.	0.05N	0.02	15.	15.	5.
72E514	200. N	70.	0.05N	0.06	10.	5.	30.
72E515	200. H	50.	0.05N	0.02	10.	5.	50.
72E516	200. N	50.	0.05N	0.04	20.	5.	25.
72E517	200. N	100.	0.05N	0.02	50.	5.	80.
72E518	200. N	70.	0.05N	0.04	25.	5.	55.
72E519	200. N	30.	0.05N	0.02N	5.L	5.	40.
72E520	200. H	100.	0.05N	0.08	25.	5.L	40.
72E521	200. N	70.	0.05N	0.02N	15.	5.	50.
72E522	200. N	100.	0.05N	0.04	120.	10.	90.
72E523	200. N	100.	0.05N	0.04	55.	10.	65.
72E524	200. H	70.	0.05N	0.02	5.	5.	25.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	LATITUDE	LONGITUDE	3-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU
73E006A	56 01 46N	131 11 28W	0.70	0.07	0.50	0.02	100.	0.5N	200.N	10.N
73E007A	56 01 43N	131 10 49W	2.00	1.00	1.50	0.15	700.	0.5N	200.N	10.N
73E008A	56 01 55N	131 10 40W	2.00	0.70	1.50	0.15	500.	0.5N	200.N	10.N
73E009A	56 02 01N	131 10 15W	2.00	1.50	1.00	0.20	500.	0.5N	200.N	10.N
73E010A	56 02 08N	131 09 19W	2.00	1.00	1.50	0.20	700.	0.5N	200.N	10.N
73E011A	56 02 36N	131 08 48W	3.00	3.00	3.00	0.30	1500.	0.5N	200.N	10.N
73E012A	56 00 10N	131 15 14W	1.50	0.70	1.00	0.20	300.	0.5N	200.N	10.N
73E013A	56 00 08N	131 15 27W	2.00	1.00	1.00	0.20	500.	0.5N	200.N	10.N
73E020A	56 00 20N	131 10 06W	2.00	3.00	15.00	0.10	700.	0.5N	200.N	10.N
73E021A	56 00 26N	131 10 13W	3.00	1.50	1.50	0.50	1000.	0.5N	200.N	10.N
73E022A	56 00 19N	131 10 43W	3.00	0.70	1.50	0.20	700.	0.5N	200.N	10.N
73E079A	56 00 24N	130 55 56W	2.00	1.00	1.50	0.20	500.	0.5N	200.N	10.N
73E080A	56 00 43N	130 58 42W	2.00	1.50	1.50	0.20	500.	0.5N	200.N	10.N
73E081A	56 00 15N	131 01 05W	2.00	1.00	1.50	0.20	500.	0.5N	200.N	10.N
73E082A	56 00 55N	131 02 45W	2.00	1.00	1.50	0.15	500.	0.5N	200.N	10.N
73E092A	56 00 22N	131 06 03W	3.00	0.70	1.00	0.30	500.	0.5N	200.N	10.N
73E094A	56 00 32N	131 07 50W	3.00	0.70	1.00	0.15	500.	0.5N	200.N	10.N
73E116	56 00 31N	130 18 23W	2.00	0.50	0.70	0.20	500.	0.5N	200.N	10.N
73E118	56 00 15N	130 13 43W	1.00	0.20	0.50	0.07	200.	0.5N	200.N	10.N
73E119	56 01 14N	130 14 57W	2.00	1.50	1.50	0.30	300.	0.5	200.N	10.N
73E120	56 01 38N	130 16 46W	7.00	3.00	5.00	0.50	1500.	0.5H	200.N	10.N
73E121	56 02 05N	130 15 42W	5.00	3.00	3.00	0.30	1000.	0.5	200.N	10.N
73E122	56 03 47N	130 16 05W	7.00	3.00	3.00	0.50	1000.	0.5N	200.N	10.N
73E123	56 04 21N	130 15 11W	5.00	2.00	3.00	0.50	1500.	0.5L	200.N	10.N
73E124	56 04 48N	130 16 49W	3.00	1.50	1.50	0.30	700.	0.5N	200.N	10.N
73E125	56 04 47N	130 18 36W	3.00	2.00	3.00	0.30	1000.	0.7	200.N	10.N
73E126	56 03 56N	130 19 05W	3.00	2.00	2.00	0.30	1000.	0.5N	200.N	10.N
73E127	56 02 09N	130 20 05W	5.00	2.00	2.00	0.50	1000.	0.5N	200.N	10.N

TABLE 6, (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-B	S-BA	S-BE	S-BI	S-CD	S-CC	S-CR	S-CU	S-LA	S-MO
73E006B	10,N	1500.	1.0L	10,N	20,N	5,N	10,N	7.	20,N	5,N
73E007A	10,N	1500.	1.0	10,N	20,N	5.	10,N	7.	20.	5,N
73E008A	10,N	1500.	1.0	10,N	20,N	5.	10,L	5.	20.	5,N
73E009A	10,N	1500.	1.0	10,N	20,N	7.	50.	5.	20.	5,N
73E010A	10,N	1000.	1.0	10,N	20,N	5.	10.	5.	20.	5,N
73E011A	10,N	150.	1.0	10,N	20,N	20.	300.	10.	20,L	5,N
73E012A	10,N	1000.	1.0	10,N	20,N	5.	10.	5.	30.	5,N
73E013A	10,N	1000.	1.5	10,N	20,N	7.	10.	10.	20.	5,N
73E020A	10,N	20.	1.0N	10,N	20,N	7.	100.	5,L	20,N	5,N
73E021A	10,N	700.	1.0	10,N	20,N	15.	30.	30.	20,N	5,N
73E022A	10,N	700.	1.0	10,N	20,N	7.	10,N	5,L	20.	5,N
73E079A	10,N	500.	1.5	10,N	20,N	7.	10.	7.	50.	5,N
73E080A	10,N	700.	1.0	10,N	20,N	10.	15.	5,L	20.	5,N
73E081A	10,N	1500.	1.0	10,N	20,N	10.	10.	5.	20.	5,N
73E082A	10,N	700.	1.5	10,N	20,N	10.	20.	15.	20.	5,N
73E092A	10,N	5000.	1.0	10,N	20,N	5.	10,N	10.	70.	5,N
73E094A	10,N	3000.	1.0	10,N	20,N	5.	10.	15.	20,L	5,N
73E116	10,N	1500.	1.0	10.	20,N	5.	10,N	80.	100.	5,N
73E118	10,N	1500.	2.0	10,N	20,N	5,N	10,N	5.	20.	5,N
73E119	10,N	1500.	1.0	10,N	20,N	7.	150.	100.	20,N	5,N
73E120	10,L	1500.	1.0L	10,N	20,N	30.	150.	70.	20.	5,N
73E121	10,L	1000.	1.0L	10,N	20,N	30.	1000.	50.	20.	5,N
73E122	10,L	1500.	1.0L	10,N	20,N	30.	700.	30.	20.	5,N
73E123	10,N	3000.	1.0L	10,N	20,N	30.	50.	70.	20.	5,N
73E124	10,L	3000.	1.0	10,N	20,N	7.	10.	15.	20.	5,N
73E125	10,L	3000.	1.0	10,N	20,N	15.	100.	100.	20.	15.
73E126	10,L	2000.	1.0	10,N	20,N	10.	20.	50.	30.	5,N
73E127	10,N	3000.	1.0L	10,N	20,N	20.	50.	70.	20.	5,N

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TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S=NB	S=NI	S=FR	S=SP	S=SC	S=SN	S=SR	S=V	S=W	S=Y
73E006H	20,N	5,L	15.	100,N	5,N	10,N	200.	10.	50,N	10,N
73E007A	20,N	5,L	10.	100,N	7.	10,N	300.	50.	50,N	15.
73E008A	20,N	5,L	10.	100,N	7.	10,N	300.	50.	50,N	15.
73E009A	20,N	20.	10.	100,N	7.	10,N	500.	70.	50,N	15.
73E010A	20,N	5,L	10.	100,N	7.	10,N	300.	70.	50,N	20.
73E011A	20,N	50.	10,L	100,N	20.	10,N	300.	200.	50,N	20.
73E017A	20,N	5.	15.	100,N	5.	10,N	500.	50.	50,N	10,L
73E013A	20,N	5.	15.	100,N	10.	10,N	500.	70.	50,N	10.
73E020A	20,N	5.	10.	100,N	10.	10,N	300.	50.	50,N	20.
73E021A	20,N	7.	10,L	100,N	30.	10,N	500.	150.	50,N	30.
73E022A	20,N	5,L	10.	100,N	10.	10,N	500.	70.	50,N	15.
73E079A	20,L	5,L	10.	100,N	10.	10,N	500.	70.	50,N	20.
73E080A	20,N	5.	10.	100,N	15.	10,N	500.	70.	50,N	15.
73E081A	20,N	5,L	15.	100,N	10.	10,N	500.	70.	50,N	10.
73E082A	20,L	10.	10.	100,N	10.	10,N	300.	70.	50,N	15.
73E092A	20,L	5,L	30.	100,N	5.	10,N	500.	30.	50,N	10.
73E094A	20,N	5,L	15.	100,N	5.	10,N	1000.	50.	50,N	10.
73E116	20.	5,L	50.	100,N	5.	10.	500.	30.	50,N	15.
73E118	20,L	5,L	30.	100,N	5,L	10,N	200.	10.	50,N	10.
73E119	20,N	50.	10,L	100,N	15.	10,N	300.	150.	50,N	20.
73E120	20,N	30.	10.	100,N	30.	10,N	2000.	500.	50,N	20.
73E121	20,N	150.	50.	100,N	20.	10,N	500.	200.	50,N	20.
73E122	20,N	100.	10,L	100,N	30.	10,N	700.	500.	50,N	20.
73E123	20,L	20.	15.	100,N	30.	10,N	1000.	500.	50,N	20.
73E124	20,N	5,L	10,L	100,N	10.	10,N	700.	100.	50,N	15.
73E125	20,L	30.	15.	100,N	15.	10,N	700.	300.	50,N	20.
73E126	20,L	5.	20.	100,N	15.	10,N	1000.	150.	50,N	15.
73E127	20,N	20.	10.	100,N	30.	10,N	1000.	300.	50,N	20.

TABLE 6. (CONT.) U.S. GEOLOGICAL SURVEY ANALYTICAL DATA - ROCK GEOCHEM SAMPLES.

SAMPLE	S-ZN	S-ZR	AA-AU=P	INST-HG	AA-CU=P	AA-PH=P	AA-ZN=P
73E006R	200, N	70.	0.05N	0.08	5.	5.	5.
73E007A	200, N	100.	0.05N	0.06	5.	5, L	20.
73E008A	200, N	100.	0.05N	0.10	5.	5.	25.
73E009A	200, N	100.	0.05N	0.02	10.	5, L	35.
73E010A	200, N	150.	0.05N	0.02	10.	5, L	25.
73E011A	200, N	50.	0.05N	0.06	35.	5.	20.
73E012A	200, N	100.	0.05N	0.02	5.	5.	40.
73E013A	200, N	50.	0.05N	0.06	5.	5, L	45.
73E020A	200, N	50.	0.05N	0.04	10.	30.	25.
73E021A	200, N	150.	0.05N	0.02	50.	5.	90.
73E022A	200, N	150.	0.05N	0.06	5.	5, L	50.
73E079A	200, N	150.	0.05N	0.04	5.	5.	70.
73E080A	200, N	30.	0.05N	0.08	10.	10.	65.
73E081A	200, N	70.	0.05N	0.06	10.	10.	70.
73E082A	200, N	30.	0.05N	0.06	35.	5.	35.
73E092A	200, N	1000.	0.05N	0.02L	5.	5, L	40.
73E094A	200, N	70.	0.05N	0.02N	20.	15.	20.
73E116	200, N	150.	0.05N	0.02N	5, L	5.	45.
73E118	200, N	50.	0.05N	0.02N	5, L	5.	10.
73E119	200, N	100.	0.05N	0.02N	70.	5.	50.
73E120	200, N	70.	0.05N	0.02N	65.	10.	75.
73E121	200, N	100.	0.05N	0.02N	55.	55.	120.
73E122	200, N	70.	0.05N	0.02N	35.	5.	35.
73E123	200, N	70.	0.05N	0.02N	55.	15.	65.
73E124	200, N	150.	0.05N	0.02N	5, L	5.	35.
73E125	200, N	70.	0.05N	0.02N	100.	10.	10.
73E126	200, N	100.	0.05N	0.02N	10.	15.	55.
73E127	200, N	70.	0.05N	0.02N	90.	10.	60.

TABLE 7. U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU
BM 28	72K033	56 04 31N	130 17 03W	5.00	0.20	0.50	0.10	700.	200.N	10.N
	72K034	56 04 39N	130 16 59W	5.00	0.10	0.30	0.03	200.	200.N	10.N
	72K035	56 04 39N	130 16 59W	7.00	0.02L	0.05L	0.01	150.0	200.N	10.N
	72K036	56 03 52N	130 15 14W	5.00	1.50	1.50	0.30	20.0	200.N	10.N
	72K037	56 03 52N	130 15 14W	7.00	0.50	0.30	0.15	15.0	200.N	10.N
BM 32	72K038	56 03 52N	130 15 14W	5.00	0.70	1.50	0.15	150.0	200.N	10.N
	72K039	56 03 52N	130 15 14W	7.00	0.70	0.70	0.20	50.0	200.N	10.N
	72K040	56 03 52N	130 15 14W	7.00	0.50	0.15	0.20	200.0	700.	10.N
	72K041	56 03 52N	130 15 14W	3.00	1.00	1.50	0.30	3.0	200.N	10.N
	72K042	56 03 52N	130 15 14W	7.00	1.00	0.20	0.20	10.0	200.N	10.N
	72K043	56 03 52N	130 15 14W	7.00	1.00	1.00	0.30	30.0	200.N	10.N
	72K044	56 03 52N	130 15 14W	7.00	2.00	1.50	0.30	10.0	200.N	10.N
	72K045	56 03 52N	130 15 14W	7.00	0.70	2.00	0.20	15.0	1500.	10.N
	72K046	56 03 52N	130 15 14W	5.00	0.70	2.00	0.20	10.0	300.	10.N
	72K047	56 03 52N	130 15 14W	7.00	1.50	2.00	0.30	20.0	1000.	10.N
	72K048	56 03 52N	130 15 14W	7.00	1.50	2.00	0.30	3.0	500.	10.N
	72K049	56 03 52N	130 15 14W	7.00	2.00	3.00	0.30	1.5	200.N	10.N
BM 31	72K050	56 03 47N	130 16 05W	15.00	0.70	0.20	0.50	7.0	700.	10.N
	72K051	56 03 47N	130 16 05W	7.00	3.00	0.70	0.50	5.0	200.N	10.N
	72K052	56 03 47N	130 16 05W	10.00	3.00	1.50	0.30	10.0	200.N	10.N
	72K053	56 03 47N	130 16 05W	7.00	1.50	1.00	0.30	30.0	200.N	10.N
	72K054	56 03 47N	130 16 05W	5.00	1.50	1.50	0.30	10.0	200.N	10.N
BM 32	72K055	56 03 52N	130 15 21W	3.00	1.50	1.50	0.30	3.0	200.N	10.N
	72K056	56 03 52N	130 15 21W	1.50	0.50	0.50	0.15	10.0	200.N	10.N
	72K057	56 03 52N	130 15 21W	15.00	0.70	0.20	0.15	150.0	1000.	20.
	72K058	56 03 52N	130 15 21W	5.00	1.50	1.50	0.30	10.0	200.N	10.N
	72K059	56 03 52N	130 15 21W	5.00	1.50	0.70	0.30	1.0	200.N	10.N
BM 29	72K060	56 03 52N	130 15 21W	7.00	2.00	1.00	0.50	1.5	200.N	10.N
	72K061	56 03 52N	130 15 21W	5.00	0.70	0.15	0.15	3.0	200.N	10.N
	72K062	56 03 52N	130 15 21W	5.00	2.00	0.30	0.30	1.5	200.N	10.N
	72K063	56 03 52N	130 15 21W	7.00	0.70	0.10	0.15	5.0	200.N	10.N
	72K065	56 04 15N	130 16 19W	0.20	0.02L	0.07	0.01	0.5N	200.N	10.N
BM 44	72K066	56 01 13N	130 21 15W	0.50	0.07	0.20	0.02	1.5	200.N	10.N
	72K067	56 01 13N	130 21 15W	0.70	0.10	1.50	0.07	0.5L	200.N	10.N
	72K068	56 01 13N	130 21 15W	3.00	1.50	2.00	0.20	0.5N	200.N	10.N
	72K069	56 01 13N	130 21 15W	3.00	1.50	15.00	0.15	0.5N	200.N	10.N
	72K070	56 01 13N	130 21 15W	1.50	0.70	7.00	0.10	70.0	200.N	10.N
	72K071	56 01 13N	130 21 15W	3.00	1.00	10.00	0.10	3.0	200.N	10.N
	72K072	56 01 13N	130 21 15W	5.00	0.70	3.00	0.20	3.0	200.N	10.N
	72K073	56 01 13N	130 21 15W	1.00	0.20	1.00	0.07	1.0	200.N	10.N
	72K074	56 01 13N	130 21 15W	3.00	2.00	1.50	0.30	0.5N	200.N	10.N
	72K075	56 01 13N	130 21 15W	3.00	1.50	1.50	0.20	0.5N	200.N	10.N
	72K076	56 01 13N	130 21 15W	5.00	2.00	2.00	0.30	0.7	200.N	10.N
	72K077	56 01 13N	130 21 15W	3.00	1.50	2.00	0.30	0.5N	200.N	10.N
BM 44	72K078	56 01 13N	130 21 15W	5.00	1.50	3.00	0.30	0.5L	200.N	10.N
	72K079	56 01 13N	130 21 15W	3.00	1.50	3.00	0.20	0.5N	200.N	10.N
	72K080	56 00 35N	130 52 54W	5.00	3.00	5.00	0.30	0.5N	200.N	10.N
	72K081	56 01 13N	130 21 15W	7.00	2.00	3.00	0.30	0.5	200.N	10.N
	72K082	56 01 13N	130 21 15W	3.00	1.00	1.50	0.20	0.5N	200.N	10.N
72K081	56 01 13N	130 21 15W	5.00	1.50	2.00	0.20	0.20	0.5N	200.N	10.N

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TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO
72K033	10.L	500.	1.0L	200.	500.G	30.	10.N	100.	20.N	5.N
72K034	10.L	150.	1.0H	10.N	500.G	15.	10.N	2000.	30.	5.N
72K035	10.L	20.N	1.0N	10.L	500.G	30.	16.N	3000.	100.	5.N
72K036	10.	1500.	1.0	10.N	50.	10.	70.	30.	20.	30.
72K037	10.L	1000.	1.0L	10.N	20.N	10.	50.	15.	20.L	15.
72K038	10.L	700.	1.0	10.N	70.	20.	30.	20.	20.L	5.
72K039	10.L	1000.	1.0	10.N	200.	7.	70.	70.	20.L	5.1.
72K040	10.L	700.	1.0L	10.N	150.	5.L	30.	50.	20.N	7.
72K041	10.	1000.	1.0	10.N	20.N	15.	70.	10.	20.N	7.
72K042	10.L	1000.	1.5	10.N	20.N	5.L	50.	30.	20.N	7.
72K043	10.L	700.	1.0L	10.N	70.	7.	100.	700.	20.L	50.
72K044	10.L	1500.	1.0	10.N	20.N	20.	150.	30.	20.	20.
72K045	10.L	1000.	1.0L	10.N	20.N	5.	50.	70.	20.N	7.
72K046	10.L	1000.	1.0L	10.N	20.	5.L	70.	30.	20.L	15.
72K047	10.	1000.	1.0	10.N	30.	20.	100.	30.	20.L	7.
72K048	10.L	1000.	1.5	10.N	20.N	15.	70.	30.	20.L	5.
72K049	10.	1500.	1.5	10.N	20.N	20.	150.	30.	20.	5.
72K050	15.	500.	1.0	10.N	20.N	20.	100.	70.	20.N	70.
72K051	10.L	1000.	1.0	10.N	20.N	30.	70.	30.	20.N	5.L
72K052	10.L	700.	1.0L	10.N	20.N	30.	70.	300.	20.N	5.L
72K053	10.L	500.	1.0L	10.N	500.G	30.	30.	1000.	20.N	5.L
72K054	10.L	500.	1.0N	10.L	20.N	15.	30.	150.	20.N	5.N
72K055	10.L	1500.	1.0	10.N	20.N	10.	70.	150.	20.L	10.
72K056	10.N	500.	1.0N	10.N	20.N	5.N	70.	700.	20.N	5.
72K057	10.L	500.	1.0N	10.N	20.N	70.	15.	50.	20.N	7.
72K058	10.L	1000.	1.0L	10.N	20.N	5.	50.	30.	20.L	7.
72K059	10.L	500.	1.0	10.N	20.N	10.	30.	30.	20.L	15.
72K060	10.L	700.	1.0	10.N	20.N	7.	30.	30.	20.L	7.
72K061	10.L	500.	1.0L	10.N	20.N	7.	50.	100.	20.N	7.
72K062	10.	1000.	1.0L	10.N	20.N	15.	150.	150.	20.L	15.
72K063	10.L	500.	1.0L	10.N	20.N	5.L	30.	150.	20.L	20.
72K065	10.N	300.	1.0N	10.N	20.N	5.N	10.N	10.	20.N	5.N
72K066	10.N	2000.	1.0N	10.N	20.N	5.L	10.L	7.	20.N	30.
72K067	10.N	1500.	1.0L	10.N	20.N	5.N	10.N	30.	20.N	700.
72K068	10.N	3000.	1.0L	10.N	20.N	10.	50.	20.	20.L	30.
72K069	10.N	1500.	1.0	10.N	20.N	5.L	70.	7.	20.L	15.
72K070	10.N	2000.	1.0L	150.	20.N	5.N	10.	7.	20.L	1000.
72K071	10.N	300.	1.5	30.	20.N	15.	100.	10.	20.L	150.
72K072	10.L	1500.	1.0	10.	20.N	15.	70.	7.	30.	500.
72K073	10.N	150.	1.0L	20.	20.N	5.L	10.L	20.	20.	150.
72K074	10.L	1500.	1.0L	10.N	20.N	20.	70.	150.	20.N	15.
72K075	10.L	3000.	1.5	10.N	20.N	5.	30.	150.	20.N	7.
72K076	10.L	2000.	1.0	10.N	20.N	10.	70.	70.	20.N	15.
72K077	10.L	1500.	1.0	10.N	20.N	5.	30.	50.	20.N	150.
72K078	10.L	1500.	1.0	10.N	20.N	7.	70.	150.	20.N	50.
72K079	10.L	2000.	1.0L	10.N	20.N	7.	50.	150.	20.N	7.
72K080	10.L	1500.	1.0L	10.N	20.N	30.	150.	70.	20.N	300.
72K081	10.L	3000.	2.0	10.N	20.N	20.	50.	150.	20.N	20.
72K082	10.L	3000.	1.5	10.N	20.N	5.	30.	30.	20.N	150.
72K083	10.L	1000.	1.0	10.N	20.N	7.	50.	50.	20.N	30.

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
72K033	10.L	20.	20000.G	700..	5.N	10.N	100.L	50.	50.N	10.N
72K034	10.	5.	10000.	100.N	5.N	10.N	100.L	20.	70.	10.N
72K035	10.	5.N	20000.	100.L	5.N	10.N	100.L	10.	50.L	10.N
72K036	10.	70.	3000.	100.N	15.	10.N	150.	300.	50.N	20.
72K037	10.	50.	3000.	100.N	7.	10.N	100.L	200.	50.N	10.
72K038	10.L	20.	20000.G	100.	5.	10.N	100.	150.	50.N	15.
72K039	10.	30.	15000.	100.L	7.	10.N	100.L	150.	50.N	20.
72K040	10.	10.	20000.G	150.	7.	10.N	100.L	150.	50.N	10.
72K041	10.L	70.	500.	100.N	10.	10.N	150.	200.	50.N	20.
72K042	10.	15.	3000.	100.N	7.	10.N	100.L	150.	50.N	15.
72K043	10.	50.	10000.	100.N	15.	10.N	100.	500.	50.N	30.
72K044	10.	70.	2000.	100.N	15.	10.N	150.	300.	50.N	30.
72K045	10.	30.	5000.	100.N	7.	10.N	200.	150.	50.N	20.
72K046	10.	20.	2000.	100.N	7.	10.N	300.	200.	50.N	20.
72K047	10.	70.	5000.	100.N	15.	10.N	200.	200.	50.N	20.
72K048	10.	50.	700.	100.N	15.	10.N	300.	200.	50.N	30.
72K049	10.	70.	150.	100.N	15.	10.N	500.	300.	50.N	30.
72K050	10.	50.	3000.	100.N	15.	10.N	100.L	500.	50.N	10.
72K051	10.	15.	700.	100.N	30.	10.N	300.	300.	50.N	20.
72K052	10.	50.	700.	100.N	20.	10.N	200.	300.	50.N	20.
72K053	10.	15.	15000.	100.N	15.	10.N	150.	200.	50.N	10.
72K054	10.	15.	700.	100.N	15.	10.N	150.	200.	50.N	10.
72K055	10.L	50.	300.	100.N	10.	10.N	150.	200.	50.N	30.
72K056	10.L	15.	1000.	100.N	5.L	10.N	100.L	150.	50.N	10.L
72K057	10.	70.	20000.G	100.	10.	10.N	100.L	150.	50.N	10.L
72K058	10.L	15.	1500.	100.N	20.	10.N	300.	200.	50.N	15.
72K059	10.	50.	150.	100.N	15.	10.N	300.	200.	50.N	20.
72K060	10.	15.	70.	100.N	20.	10.N	500.	200.	50.N	20.
72K061	10.	30.	70.	100.N	5.	10.N	100.L	150.	50.N	10.L
72K062	10.	50.	500.	100.N	15.	10.N	100.L	200.	50.N	20.
72K063	10.	30.	70.	100.N	5.	10.N	100.	200.	50.N	10.
72K065	10.N	5.L	30.	100.N	5.N	10.N	100.L	10.	50.N	10.N
72K066	10.L	5.L	150.	100.N	5.N	10.N	100.L	20.	50.N	10.N
72K067	10.	5.	20.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72K068	15.	20.	30.	100.N	10.	10.N	300.	150.	50.N	10.
72K069	10.L	20.	50.	100.N	5.	10.N	300.	100.	50.N	10.L
72K070	10.	15.	7000.	100.N	5.L	10.N	300.	100.	50.N	10.L
72K071	15.	50.	150.	100.N	7.	10.N	200.	100.	50.N	10.
72K072	70.	50.	150.	100.N	7.	10.N	700.	100.	50.N	30.
72K073	50.	7.	70.	100.N	5.N	10.N	200.	20.	50.N	10.
72K074	10.	50.	30.	100.N	10.	10.N	500.	150.	50.N	15.
72K075	10.L	15.	70.	100.N	7.	10.N	500.	150.	50.N	15.
72K076	10.	30.	150.	100.N	15.	10.N	700.	200.	50.N	20.
72K077	10.L	15.	30.	100.N	15.	10.N	700.	150.	50.N	15.
72K078	10.	30.	15.	100.N	15.	10.N	700.	150.	50.N	20.
72K079	10.	20.	20.	100.N	15.	10.N	700.	200.	50.N	20.
72K080	10.	70.	30.	100.N	15.	10.N	500.	200.	50.N	15.
72K081	10.	30.	70.	100.N	15.	10.N	700.	300.	50.N	20.
72K082	10.	20.	70.	100.N	7.	10.N	500.	200.	50.N	15.
72K083	10.	30.	30.	100.N	15.	10.N	700.	150.	50.N	15.

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-ZN	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PB-P	AA-ZN-P
72K033	10000.G	20.	5.00N	0.06	200.	190000.	90000.
72K034	10000.G	50.	0.05	0.02L	1700.	7500.	75000.
72K035	10000.G	10.N	0.05N	0.02	2700.	9000.	350000.
72K036	2000.	150.	5.00N	0.02	90.	4000.	2500.
72K037	700.	70.	0.05	0.12	50.	8500.	1000.
72K038	2000.	70.	0.20	0.08	80.	60000.	6000.
72K039	10000.	100.	0.40	0.06	160.	21000.	14000.
72K040	7000.	70.	3.20	0.30	130.	70000.	11000.
72K041	300.	100.	0.05N	0.04	65.	1500.	350.
72K042	1000.	100.	0.10	0.02	95.	4500.	1500.
72K043	5000.	150.	0.05N	0.06	1000.	15000.	6500.
72K044	1500.	150.	0.05N	0.06	80.	2000.	2000.
72K045	1000.	100.	2.20	0.04	190.	6500.	1500.
72K046	1500.	100.	0.10	0.02	100.	3500.	3000.
72K047	2000.	100.	0.30	0.08	100.	5500.	4000.
72K048	1000.	100.	0.20	0.04	110.	700.	700.
72K049	200.	150.	0.05N	0.02	85.	60.	210.
72K050	300.	150.	0.05N	0.02	65.	3000.	200.
72K051	700.	70.	0.05N	0.14	140.	500.	550.
72K052	1000.	70.	0.05N	0.06	500.	750.	1400.
72K053	10000.G	70.	0.05	0.30	1500.	14000.	95000.
72K054	700.	50.	0.05N	0.04	300.	250.	200.
72K055	500.	150.	0.05N	0.10	200.	400.	450.
72K056	200.N	70.	0.05N	0.08	600.	1300.	140.
72K057	300.	30.	24.00	0.10	50.	60000.	500.
72K058	200.	70.	0.10	0.20	130.	1500.	400.
72K059	200.L	70.	0.05N	0.02	85.	65.	150.
72K060	200.L	70.	0.05N	0.06	70.	20.	95.
72K061	500.	50.	0.05N	0.04	350.	130.	700.
72K062	500.	100.	0.05N	0.16	170.	450.	550.
72K063	500.	70.	0.05	0.08	190.	50.	600.
72K065	200.N	10.L	0.05N	0.02	10.	15.	25.
72K066	200.N	10.N	0.05N	0.04	25.	240.	30.
72K067	200.N	20.	0.05N	0.02L	210.	25.	10.
72K068	200.N	70.	0.05N	0.02L	80.	55.	35.
72K069	200.N	10.N	0.05N	0.02L	15.	40.	20.
72K070	200.N	30.	0.05N	0.02	10.	5000.	30.
72K071	200.N	10.N	0.05N	0.08	25.	300.	30.
72K072	200.N	100.	0.05N	0.02L	25.	230.	20.
72K073	200.N	50.	0.05N	0.02	50.	120.	10.
72K074	200.N	100.	0.05N	0.04	180.	15.	20.
72K075	200.N	70.	0.05N	0.06	240.	20.	30.
72K076	200.N	100.	0.05N	0.08	110.	150.	30.
72K077	200.N	70.	0.05N	0.06	140.	25.	70.
72K078	200.N	100.	0.05N	0.02L	220.	15.	20.
72K079	200.N	70.	0.05N	0.08	160.	25.	40.
72K080	200.N	70.	0.05N	0.02	150.	35.	45.
72K081	200.N	70.	0.05N	0.06	200.	65.	55.
72K082	200.N	70.	0.05N	0.02	130.	60.	35.
72K083	200.N	70.	0.05N	0.04	130.	20.	30.

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MIN	S-AG	S-AS	S-AU
72K084	56 01 13N	130 21 15W	5.00	1.50	2.00	0.30	700.	0.7	200.N	10.N
72K085	56 00 29N	130 52 24W	7.00	3.00	5.00	0.30	1000.	0.5N	200.N	10.N
72K086	56 00 35N	130 52 30W	10.00	5.00	7.00	0.30	1000.	0.5N	200.N	10.N
72K087	56 00 29N	130 52 24W	5.00	1.50	5.00	0.30	700.	0.5N	200.N	10.N
72K088	56 01 13N	130 21 15W	10.00	3.00	5.00	0.30	1000.	0.5N	200.N	10.N
72K089	56 01 13N	130 21 15W	10.00	3.00	5.00	0.50	1000.	0.5N	200.N	10.N
72K090	56 01 13N	130 21 15W	7.00	2.00	5.00	0.30	1000.	0.5N	200.N	10.N
72K091	56 01 13N	130 21 15W	7.00	2.00	3.00	0.30	700.	0.5N	200.N	10.N
72K092	56 01 13N	130 21 15W	7.00	2.00	2.00	0.30	300.	30.0	200.N	10.N
72K093	56 01 13N	130 21 15W	10.00	0.50	1.50	0.05	700.	0.5	200.N	10.N
72K094	56 01 13N	130 21 15W	15.00	3.00	3.00	0.30	1000.	0.5	200.N	10.N
72K095	56 01 13N	130 21 15W	15.00	7.00	7.00	0.50	1500.	0.5N	200.N	10.N
72K096	56 01 13N	130 21 15W	5.00	2.00	3.00	0.30	700.	0.5N	200.N	10.N
72K097	56 01 13N	130 21 15W	3.00	0.30	0.30	0.03	200.	0.5L	200.N	10.N
72K098	56 01 13N	130 21 15W	3.00	1.50	0.50	0.15	700.	70.0	200.N	10.N
72K099	56 01 13N	130 21 15W	3.00	2.00	1.50	0.15	700.	10.0	200.N	10.N
72K100	56 01 13N	130 21 15W	5.00	1.00	1.50	0.10	700.	0.5	200.N	10.N
72K101	56 01 13N	130 21 15W	1.50	0.70	1.00	0.07	200.	0.5N	200.N	10.N
72K102	56 01 40N	130 21 05W	3.00	0.07	0.70	0.01	700.	300.0	200.N	10.N
72K103	56 01 40N	130 21 05W	7.00	0.10	0.70	0.02	700.	300.0	200.N	10.N
72K104	56 01 13N	130 21 15W	0.50	0.15	1.00	0.02	150.	3.0	200.N	10.N
72K105	56 01 13N	130 21 15W	7.00	0.30	1.00	0.03	200.	5.0	200.N	10.N
72K106	56 01 13N	130 21 15W	7.00	0.70	3.00	0.20	1000.	3.0	200.N	10.N
72K107	56 01 13N	130 21 15W	1.50	1.00	1.50	0.10	700.	0.5L	200.N	10.N
72K108	56 01 13N	130 21 15W	1.50	0.70	10.00	0.05	3000.	5.0	200.N	10.N
72K109	56 01 13N	130 21 15W	3.00	1.50	3.00	0.15	1000.	30.0	200.N	10.N
72K110	56 01 13N	130 21 15W	5.00	0.70	20.00	0.02	5000.	10.0	200.N	10.N
72K111	56 01 13N	130 21 15W	1.50	0.50	1.50	0.05	300.	0.5N	200.N	10.N
72K112	56 01 13N	130 21 15W	1.50	0.70	5.00	0.15	1000.	15.0	200.N	10.N
72K113	56 01 13N	130 21 15W	1.00	0.15	7.00	0.02	150.	0.5N	200.N	10.N
72K114	56 01 13N	130 21 15W	3.00	0.70	3.00	0.15	700.	0.5L	200.N	10.N
72K115	56 01 13N	130 21 15W	7.00	0.50	3.00	0.05	500.	0.5L	200.N	10.N
72K116	56 01 13N	130 21 15W	0.70	0.30	7.00	0.02	1000.	0.5L	200.N	10.N
72K117	56 01 13N	130 21 15W	2.00	0.10	3.00	0.03	700.	0.5L	200.N	10.N
72K118	56 01 13N	130 21 15W	2.00	0.30	7.00	0.03	1000.	7.0	200.N	10.N
72K119	56 01 13N	130 21 15W	5.00	3.00	5.00	0.30	1000.	1.0	200.N	10.N
72K120	56 01 13N	130 21 15W	10.00	3.00	7.00	0.30	1000.	5.0	200.N	10.N
72K121	56 01 13N	130 21 15W	7.00	5.00	5.00	0.30	1000.	1.0	200.N	10.N
72K122	56 01 13N	130 21 15W	7.00	3.00	5.00	0.30	1000.	1.5	200.N	10.N
72K123	56 01 13N	130 21 15W	7.00	3.00	3.00	0.30	1000.	0.5N	200.N	10.N
72K124	56 01 13N	130 21 15W	10.00	7.00	7.00	0.30	1500.	0.5N	200.N	10.N
72K125A	56 01 13N	130 21 15W	10.00	5.00	5.00	0.30	1000.	0.5N	200.N	10.N
72K125B	56 01 13N	130 21 15W	5.00	3.00	3.00	0.30	1000.	0.5N	200.N	10.N
72K126	56 01 34N	130 21 51W	0.20	0.05	0.10	0.02	150.	5.0	200.N	10.N
72K127	56 01 34N	130 21 51W	3.00	0.07	0.15	0.05	700.	2.0	200.N	10.N
72K128	56 01 34N	130 21 51W	10.00	0.03	0.05	0.03	200.	3.0	200.N	10.N
72K129	56 01 34N	130 21 51W	1.50	0.02	0.20	0.01	700.	5.0	200.N	10.N
72K130	56 01 34N	130 21 51W	15.00	0.50	0.50	0.10	1000.	15.0	200.N	10.N
72K131	56 01 34N	130 21 51W	15.00	0.15	1.50	0.02	700.	150.0	200.N	10.N
72K132	56 01 34N	130 21 51W	5.00	0.07	0.15	0.02	700.	20.0	200.N	10.N

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO
72K084	10.L	1500.	1.0L	10.N	20.N	15.	30.	70.	20.N	70.
72K085	10.L	700.	1.0	10.N	20.N	20.	100.	50.	20.N	5.
72K086	10.L	700.	1.0L	10.N	20.N	30.	100.	50.	20.N	5.
72K087	10.L	1000.	1.0	10.N	20.N	7.	20.	30.	20.N	5.L
72K088	10.L	100.	1.0L	10.N	20.N	30.	50.	50.	20.N	70.
72K089	10.L	700.	1.0L	10.N	20.N	30.	150.	70.	20.N	5.
72K090	10.L	1500.	1.0	10.N	20.N	20.	30.	70.	20.N	5.
72K091	10.L	1000.	1.0L	10.N	20.N	10.	30.	30.	20.N	5.L
72K092	10.L	3000.	1.0	150.	20.N	10.	30.	10.	150.	2000.G
72K093	10.L	300.	1.0L	10.N	20.N	30.	10.L	300.	20.N	300.
72K094	10.L	700.	1.0L	10.N	20.N	300.	100.	500.	20.N	50.
72K095	10.L	700.	1.0L	10.N	20.N	50.	150.	150.	20.N	7.
72K096	10.L	1000.	1.0L	10.N	20.N	30.	50.	150.	20.N	7.
72K097	10.N	700.	1.0N	10.N	20.N	7.	10.L	30.	20.N	7.
72K098	10.N	2000.	1.0L	150.	20.N	5.	70.	30.	20.N	70.
72K099	10.N	700.	1.0L	20.	20.N	5.L	70.	15.	500.	70.
72K100	10.L	1500.	1.0L	10.N	20.N	20.	30.	100.	20.L	30.
72K101	10.N	1000.	1.0L	10.N	20.N	5.L	10.	15.	20.N	7.
72K102	10.L	300.	1.0N	700.	20.N	5.N	10.N	50.	20.N	50.
72K103	10.L	150.	1.0N	700.	20.N	20.	10.L	200.	20.N	100.
72K104	10.N	20.L	1.0N	10.N	20.N	5.N	10.L	10.	20.N	1500.
72K105	10.L	150.	1.0N	10.L	20.N	30.	10.	30.	20.N	300.
72K106	10.L	300.	1.0L	10.L	20.N	5.	10.	100.	20.N	1500.
72K107	10.N	200.	1.0N	10.N	20.N	5.N	30.	30.	20.N	500.
72K108	10.N	150.	1.0N	15.	20.N	5.	10.	15.	20.L	300.
72K109	10.L	2000.	1.0N	150.	20.N	5.L	150.	30.	150.	2000.G
72K110	10.L	150.	1.0N	15.	20.N	30.	10.L	30.	150.	700.
72K111	10.N	300.	1.0N	10.N	20.N	5.L	10.	20.	20.N	200.
72K112	10.N	500.	1.0N	300.	20.N	5.L	15.	150.	150.	1500.
72K113	10.N	150.	1.0N	10.N	20.N	5.N	10.L	15.	20.N	300.
72K114	10.L	500.	1.0N	10.N	20.N	5.L	15.	20.	20.	1500.
72K115	10.L	70.	1.0L	10.N	20.N	5.L	10.	70.	20.N	300.
72K116	10.N	70.	1.0N	10.N	20.N	5.N	10.	5.	20.N	300.
72K117	10.N	300.	1.0N	10.N	20.N	5.N	10.L	20.	20.N	700.
72K118	10.N	150.	1.0N	10.L	20.N	7.	10.L	30.	20.N	1500.
72K119	10.L	2000.	1.0L	10.N	20.N	30.	70.	150.	20.N	150.
72K120	10.L	2000.	1.0L	10.N	20.N	30.	70.	300.	20.N	700.
72K121	10.L	3000.	1.0L	10.N	20.N	15.	200.	100.	20.N	200.
72K122	10.L	1000.	1.0L	10.N	20.N	30.	70.	200.	20.N	15.
72K123	10.L	1000.	1.0N	10.N	20.N	30.	100.	100.	20.N	5.
72K124	10.L	1500.	1.0L	10.N	20.N	30.	700.	100.	20.N	5.L
72K125A	10.	1000.	1.0L	10.N	20.N	30.	300.	20.	20.N	7.
72K125B	10.L	1500.	1.0L	10.N	20.N	15.	150.	30.	20.N	5.
72K126	10.N	20.L	1.0N	15.	20.N	5.N	10.N	5.	20.N	700.
72K127	10.L	200.	1.0N	10.N	20.N	5.L	10.L	5.	20.N	300.
72K128	10.L	300.	1.0N	10.	20.N	5.N	10.N	20.	20.N	700.
72K129	10.N	150.	1.0N	10.L	20.N	5.N	10.N	5.	20.N	300.
72K130	10.L	700.	1.0L	70.	20.N	5.L	10.L	200.	20.N	1000.
72K131	10.L	1000.	1.0N	100.	20.N	5.N	10.L	20.	20.N	700.
72K132	10.L	150.	1.0N	70.	20.N	5.N	10.L	20.	20.N	500.

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
72K084	10.	20.	100.	100.N	15.	10.N	700.	150.	50.N	20.
72K085	10.	50.	30.	100.N	20.	10.N	700.	200.	50.N	15.
72K086	10.	50.	10.	100.N	50.	10.N	700.	300.	50.N	15.
72K087	10.	15.	15.	100.N	15.	10.N	700.	200.	50.N	15.
72K088	10.	20.	70.	100.N	30.	10.N	700.	200.	50.N	15.
72K089	10.	70.	70.	100.N	30.	10.N	700.	300.	50.N	15.
72K090	10.	20.	30.	100.N	30.	10.N	700.	200.	50.N	20.
72K091	10.	20.	15.	100.N	15.	10.N	700.	150.	50.N	15.
72K092	70.	15.	3000.	100.N	5.	10.N	500.	100.	50.N	50.
72K093	10.	70.	70.	100.N	5.L	10.N	100.L	50.	50.N	10.L
72K094	10.	70.	100.	100.N	30.	10.N	500.	200.	50.N	10.
72K095	10.	50.	70.	100.N	50.	10.N	700.	500.	50.N	20.
72K096	10.	30.	15.	100.N	30.	10.N	500.	200.	50.N	10.L
72K097	10.	20.	50.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72K098	100.	20.	5000.	100.N	7.	10.N	300.	100.	50.N	10.
72K099	70.	30.	700.	100.N	15.	10.N	100.L	150.	50.N	10.
72K100	20.	30.	30.	100.N	7.	10.N	100.L	100.	50.N	10.L
72K101	10.L	7.	20.	100.N	5.N	10.N	200.	30.	50.N	10.N
72K102	10.L	5.	10000.	100.N	5.N	10.N	500.	10.	50.N	10.N
72K103	10.	15.	15000.	100.N	5.N	10.N	300.	15.	50.N	10.N
72K104	10.L	5.L	70.	100.N	5.N	10.N	100.L	15.	50.N	10.N
72K105	10.	30.	150.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72K106	20.	15.	100.	100.N	7.	10.N	200.	150.	50.N	30.
72K107	10.L	10.	30.	100.N	5.L	10.N	100.L	70.	50.N	10.N
72K108	10.L	7.	200.	100.N	7.	10.N	700.	30.	50.N	30.
72K109	15.	70.	1500.	100.N	7.	15.	700.	150.	50.N	10.
72K110	10.L	15.	700.	100.N	5.	10.N	700.	20.	50.N	30.
72K111	10.N	15.	15.	100.N	5.L	10.N	100.L	30.	50.N	10.L
72K112	10.	15.	700.	100.N	5.L	10.N	200.	70.	50.N	10.L
72K113	10.L	15.	10.N	100.N	5.N	10.N	100.L	15.	50.N	10.N
72K114	30.	15.	70.	100.N	5.L	10.N	150.	70.	50.N	10.L
72K115	10.L	20.	20.	100.N	5.L	10.N	100.L	50.	50.N	10.N
72K116	10.N	15.	10.N	100.N	5.N	10.N	300.	20.	50.N	10.
72K117	10.L	15.	15.	100.N	5.N	10.N	500.	15.	50.N	10.L
72K118	10.L	15.	200.	100.N	5.N	10.N	200.	15.	50.N	10.L
72K119	10.L	20.	150.	100.N	20.	10.N	700.	300.	50.N	20.
72K120	10.	20.	700.	100.N	30.	10.N	700.	300.	50.N	15.
72K121	10.	70.	300.	100.N	20.	10.N	700.	200.	50.N	15.
72K122	10.	20.	100.	100.N	30.	10.N	700.	200.	50.N	15.
72K123	10.	50.	70.	100.N	15.	10.N	700.	200.	50.N	10.
72K124	10.	150.	20.	100.N	30.	10.N	700.	300.	50.N	15.
72K125A	10.	100.	50.	100.N	20.	10.N	700.	200.	50.N	15.
72K125B	10.	70.	70.	100.N	15.	10.N	500.	150.	50.N	20.
72K126	10.N	5.L	300.	100.N	5.N	10.N	100.L	10.	50.N	10.N
72K127	10.	7.	70.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72K128	15.	5.L	150.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72K129	10.N	5.L	150.	100.N	5.N	10.N	100.L	10.	50.N	10.N
72K130	10.	15.	500.	100.N	5.N	10.N	300.	50.	50.N	10.N
72K131	10.	5.L	1000.	100.N	5.N	10.N	700.	15.	50.N	10.N
72K132	15.	5.L	700.	100.N	5.N	10.N	100.L	15.	50.N	10.N

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-ZN	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PR-P	AA-ZN-P
72K084	200.N	150.	0.05N	0.02L	140.	60.	40.
72K085	200.N	70.	0.05	0.02L	100.	25.	80.
72K086	200.L	70.	0.05N	0.02L	130.	10.	130.
72K087	200.N	150.	0.05N	0.02	120.	20.	30.
72K088	200.N	70.	0.05N	0.02L	100.	30.	50.
72K089	200.N	70.	0.05N	0.02L	120.	20.	25.
72K090	200.N	70.	0.05N	0.02L	90.	10.	20.
72K091	200.N	70.	0.05N	0.02	100.	15.	30.
72K092	200.N	70.	0.05N	0.02L	5.	4500.	110.
72K093	200.N	20.	0.05N	0.06	420.	110.	15.
72K094	200.N	50.	0.05N	0.02L	460.	100.	30.
72K095	200.N	70.	0.05N	0.06	210.	20.	40.
72K096	200.N	30.	0.05N	0.02	180.	20.	45.
72K097	200.N	10.L	0.05N	0.02	95.	35.	15.
72K098	200.N	10.L	0.05N	0.12	55.	8500.	70.
72K099	200.N	10.L	0.05N	0.04	15.	800.	45.
72K100	200.N	10.L	0.05N	0.02L	150.	60.	25.
72K101	200.N	70.	0.05N	0.02L	30.	20.	15.
72K102	200.N	10.N	0.10	0.02L	150.	9500.	140.
72K103	200.N	10.N	0.05N	0.08	250.	14000.	110.
72K104	200.N	10.N	0.05N	0.04	15.	40.	10.
72K105	200.N	10.N	0.05N	0.06	80.	120.	15.
72K106	200.N	20.	0.05N	0.02	150.	180.	50.
72K107	200.N	10.N	0.05N	0.06	100.	25.	35.
72K108	200.N	10.N	0.05N	0.04	30.	130.	10.
72K109	200.N	10.L	0.05	0.08	70.	1600.	50.
72K110	200.N	10.N	0.05N	0.02	70.	600.	15.
72K111	200.N	10.L	0.05N	0.02L	20.	10.	5.
72K112	200.N	10.N	0.05N	0.02	50.	400.	20.
72K113	200.N	10.N	0.05N	0.10	70.	15.	10.
72K114	200.N	10.N	0.05N	0.06	50.	70.	30.
72K115	200.N	10.N	0.10	0.04	150.	45.	25.
72K116	200.N	10.N	0.05N	0.08	20.	20.	10.
72K117	200.N	10.N	0.05N	0.02	10.	30.	5.
72K118	200.N	10.N	0.05N	0.04	35.	150.	10.
72K119	200.N	70.	0.05N	0.10	220.	380.	90.
72K120	200.N	50.	0.05N	0.08	240.	360.	130.
72K121	200.N	50.	0.05N	0.12	150.	300.	110.
72K122	200.N	50.	0.05N	0.10	350.	25.	70.
72K123	200.N	50.	0.05N	0.06	230.	35.	60.
72K124	200.N	70.	0.05N	0.02	95.	15.	40.
72K125A	200.N	50.	0.05N	0.04	70.	50.	60.
72K125B	200.N	70.	0.05N	0.04	65.	40.	80.
72K126	200.N	10.N	0.05N	0.06	10.	440.	10.
72K127	200.N	10.L	0.05N	0.06	15.	85.	15.
72K128	200.N	10.L	0.05N	0.10	50.	180.	30.
72K129	200.N	10.N	0.05	0.04	45.	800.	10.
72K130	200.N	10.L	0.05N	0.02L	120.	300.	50.
72K131	200.N	10.N	0.05	0.24	90.	2200.	30.
72K132	200.N	10.N	0.05	0.06	35.	1100.	15.

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	LATITUDE	LONGITUDE	S-FE ₂	S-MG ₂	S-CA ₂	S-Ti ₂	S-MN	S-AG	S-AS	S-Al ₂
BM43	72K133	56 01 34N 130 21 51W	10.00	2.00	3.00	0.30	1000.	2.0	200.N	10.N
	72K134	56 01 34N 130 21 51W	7.00	2.00	2.00	0.30	1000.	30.0	200.N	10.N
	72K135	56 01 34N 130 21 51W	7.00	2.00	2.00	0.30	1000.	0.5	200.N	10.N
	72K136	56 01 34N 130 21 51W	0.70	0.02	0.05	0.00	100.	0.5N	200.N	10.N
	72K137	56 01 34N 130 21 51W	0.70	0.02L	0.05L	0.00L	70.	3.0	200.N	10.N
	72K138	56 01 34N 130 21 51W	1.00	0.15	0.30	0.03	500.	2.0	200.N	10.N
	72K139	56 01 34N 130 21 51W	3.00	0.50	0.50	0.10	500.	7.0	200.N	10.N
	72K140	56 01 34N 130 21 51W	20.00	0.70	0.70	0.10	700.	7.0	200.N	10.N
	72P045	56 01 09N 130 21 15W	1.50	0.30	1.50	0.05	200.	0.5N	200.N	10.N
	72P046	56 01 09N 130 21 15W	3.00	0.50	7.00	0.20	500.	0.5N	200.N	10.N
BM44	72P091	56 03 21N 130 16 01W	7.00	2.00	0.70	0.30	1000.	3.0	200.N	10.N
	72P092	56 03 21N 130 16 01W	7.00	0.70	0.30	0.15	700.	150.0	200.N	10.N
	72P093	56 03 21N 130 16 01W	3.00	0.50	1.50	0.15	700.	1.0	200.N	10.N
	72P094	56 03 21N 130 16 01W	3.00	0.70	1.50	0.20	1000.	0.5N	200.N	10.N
	72P095	56 03 21N 130 16 01W	5.00	0.20	0.20	0.03	300.	150.0	200.N	10.N
	72P096	56 03 21N 130 16 01W	1.50	0.50	0.10	0.10	700.	1.0	200.N	10.N
	72P097	56 03 21N 130 16 01W	10.00	2.00	0.50	0.50	1500.	1.5	200.N	10.N
	72P098	56 03 21N 130 16 01W	3.00	0.15	0.30	0.03	300.	70.0	200.N	10.N
	72P099	56 03 21N 130 16 01W	0.70	0.15	0.15	0.03	500.	1.0	200.N	10.N
	72P100	56 03 21N 130 16 01W	1.50	0.50	0.50	0.15	500.	0.5N	200.N	10.N
BM45	72P101	56 03 21N 130 16 01W	0.70	0.07	0.05	0.07	100.	20.0	200.N	10.N
	72P102	56 03 21N 130 16 01W	10.00	0.50	0.07	0.03	700.	300.0	200.N	10.N
	72P103	56 03 21N 130 16 01W	15.00	0.30	0.15	0.03	300.	200.0	200.N	10.N
	72P104	56 03 21N 130 16 01W	15.00	0.10	0.30	0.02	700.	100.0	200.N	10.N
	72P105	56 03 21N 130 16 01W	5.00	0.30	0.70	0.10	700.	150.0	200.N	10.N
	72P106	56 03 21N 130 16 01W	2.00	0.07	0.05L	0.02	200.	50.0	200.N	10.N
	72P107	56 03 21N 130 16 01W	2.00	0.15	0.05L	0.01	200.	20.0	200.N	10.N
	72P108	56 03 21N 130 16 01W	0.50	0.05	0.05L	0.02	30.	3.0	200.N	10.N
	72P109	56 03 21N 130 16 01W	7.00	0.30	0.07	0.02	1000.	50.0	200.N	10.N
	72P110	56 03 21N 130 16 01W	7.00	1.50	0.50	0.50	1500.	1.5	200.N	10.N
BM46	72P111	56 03 21N 130 16 01W	10.00	3.00	1.00	0.70	1500.	1.5	200.N	10.N
	72P112	56 03 21N 130 16 01W	15.00	0.15	0.30	0.03	700.	500.0	200.N	10.N
	72P113	56 03 21N 130 16 01W	7.00	2.00	1.00	0.50	1000.	1.5	200.N	10.N
	72P114	56 03 21N 130 16 01W	10.00	0.30	0.70	0.02	1000.	200.0	200.N	10.N
	72P115	56 03 21N 130 16 01W	3.00	0.70	0.50	0.20	1500.	20.0	200.N	10.N
	72P116	56 03 21N 130 16 01W	2.00	0.30	0.07	0.03	200.	15.0	200.N	10.N
	72P119	56 03 08N 130 15 55W	3.00	0.07	0.05L	0.00L	30.	3.0	200.N	10.N
	72P120	56 03 08N 130 15 55W	0.50	0.10	0.07	0.02	200.	0.5L	200.N	10.N
	72P121	56 03 16N 130 16 18W	1.50	0.30	0.30	0.10	500.	0.5	200.N	10.N
	72P122	56 00 35N 130 19 38W	3.00	0.07	0.30	0.02	150.	30.0	200.N	10.N
BM48	72P123	56 00 35N 130 19 38W	3.00	0.03	0.30	0.02	100.	30.0	200.N	10.N
	72P124	56 05 08N 130 16 30W	7.00	2.00	3.00	0.50	1000.	2.0	200.N	10.N
	72P125	56 05 08N 130 16 30W	1.50	0.50	0.15	0.15	200.	15.0	200.N	10.N
	72P126	56 04 45N 130 16 55W	0.70	0.15	0.07	0.02	200.	0.5L	200.N	10.N
	72P127	56 03 53N 130 15 35W	7.00	2.00	0.30	0.15	1500.	2.0	200.N	10.N
	72P128	56 03 53N 130 15 35W	1.00	0.30	1.50	0.10	300.	3.0	200.N	10.N
	72P129	56 00 35N 130 19 38W	3.00	0.20	0.30	0.05	200.	5.0	200.N	10.N
	72P130	56 00 35N 130 19 38W	3.00	0.15	0.30	0.03	150.	7.0	200.N	10.N
	72P131	56 00 35N 130 19 38W	1.50	0.10	0.20	0.03	150.	15.0	200.N	10.N
	72P132	56 00 35N 130 19 38W	3.00	0.30	0.50	0.07	500.	50.0	200.N	10.N

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO
72K133	10.L	1000.	1.0L	10.N	20.N	20.	30.	150.	20.N	50.
72K134	10.L	1000.	1.0L	100.	20.N	15.	15.	30.	20.N	50.
72K135	10.L	1000.	1.0L	10.N	20.N	10.	20.	150.	20.N	30.
72K136	10.N	30.	1.0N	10.N	20.N	5.N	10.L	5.	20.N	30.
72K137	10.N	20.H	1.0N	50.	20.N	5.N	10.N	5.	20.N	300.
72K138	10.N	70.	1.0N	15.	20.N	5.N	10.N	7.	20.N	1500.
72K139	10.N	700.	1.0N	15.	20.N	7.	10.N	30.	20.N	2000.
72K140	10.N	700.	1.0N	10.N	20.N	300.	10.L	3000.	20.N	100.
72P045	10.L	5000.G	1.0L	10.N	20.N	5.N	10.	30.	20.N	50.
72P046	10.L	700.	1.0L	10.N	20.N	15.	15.	150.	20.N	5.N
72P091	10.L	1500.	1.5	10.N	20.N	30.	100.	200.	30.	15.
72P092	10.L	700.	1.0L	100.	20.N	30.	15.	10000.	20.L	70.
72P093	10.L	700.	1.0L	10.N	20.N	7.	10.N	30.	20.N	700.
72P094	10.L	700.	1.0L	10.N	20.N	5.L	10.L	7.	20.N	7.
72P095	10.L	100.	1.0N	50.	150.	20.	10.N	15000.	20.N	10.
72P096	10.L	700.	1.0L	10.N	20.N	5.N	10.L	20.	20.N	70.
72P097	10.L	1500.	1.0	10.N	20.N	20.	10.	150.	20.	50.
72P098	10.L	150.	1.0N	15.	150.	20.	10.N	10000.	20.L	20.
72P099	10.	500.	1.0L	10.N	20.N	5.N	10.N	10.	20.N	30.
72P100	10.L	700.	1.0L	10.N	20.N	5.N	10.N	10.	20.L	20.
72P101	10.N	200.	1.0N	10.L	20.N	5.N	10.N	500.	20.N	70.
72P102	10.L	150.	1.0N	150.	70.	15.	10.N	15000.	20.N	50.
72P103	10.L	70.	1.0N	70.	200.	70.	10.L	20000.G	20.N	20.
72P104	10.	30.	1.0N	70.	500.	100.	10.L	3000.	20.N	20.
72P105	10.L	300.	1.0L	10.	500.G	20.	10.N	10000.	20.N	5.L
72P106	10.L	30.	1.0N	10.	150.	5.	10.N	5000.	20.N	7.
72P107	10.L	50.	1.0N	10.L	50.	5.L	10.N	3000.	20.N	5.N
72P108	10.N	70.	1.0N	10.N	20.N	5.N	10.N	150.	20.N	5.N
72P109	10.L	50.	1.0N	20.	20.N	10.	10.N	3000.	20.N	20.
72P110	10.L	1000.	1.0	10.N	20.N	15.	30.	70.	20.N	5.
72P111	10.L	1500.	1.0L	10.N	20.N	30.	30.	200.	20.N	10.
72P112	10.L	70.	1.0N	200.	500.G	100.	10.L	3000.	20.N	5.L
72P113	10.L	700.	1.0L	10.N	20.N	20.	30.	30.	20.N	5.L
72P114	10.L	100.	1.0N	100.	150.	50.	10.N	20000.	20.N	15.
72P115	10.L	700.	1.0	10.N	20.N	7.	10.N	1500.	20.L	5.
72P116	10.N	300.	1.0L	10.N	20.N	15.	10.N	150.	20.N	100.
72P119	10.L	20.L	1.0N	10.L	20.N	15.	10.N	30.	20.N	5.N
72P120	10.L	30.	1.0N	10.N	20.N	5.N	10.L	5.L	20.N	5.N
72P121	10.L	300.	1.0L	10.N	20.N	5.L	10.L	15.	20.N	5.L
72P122	10.L	200.	1.0N	70.	20.N	5.N	10.L	30.	20.N	150.
72P123	10.L	100.	1.0N	150.	20.N	5.N	10.L	10.	20.N	300.
72P124	10.L	2000.	1.0	10.N	20.N	10.	70.	30.	20.N	20.
72P125	10.N	150.	1.0N	10.N	20.N	5.L	30.	7.	20.N	30.
72P126	10.N	200.	1.0N	10.N	20.N	5.N	10.L	5.L	20.N	5.N
72P127	10.L	300.	1.0N	10.N	20.N	10.	30.	100.	20.N	5.N
72P128	10.L	500.	1.0N	10.N	50.	5.L	50.	70.	20.N	5.L
72P129	10.L	70.	1.0N	30.	20.N	5.N	10.N	30.	20.N	10.
72P130	10.L	150.	1.0N	30.	20.N	5.N	10.N	30.	20.N	70.
72P131	10.L	70.	1.0N	50.	20.N	5.N	10.N	15.	20.N	300.
72P132	10.L	200.	1.0N	200.	20.N	5.N	10.N	20.	20.N	150.

DATE 5/27/76

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
72K133	10.	30.	150.	100.N	15.	10.N	700.	200.	50.N	15.
72K134	10.	10.	5000.	100.N	15.	10.N	700.	200.	50.N	15.
72K135	10.	7.	70.	100.N	15.	10.N	700.	150.	50.N	10.L
72K136	10.N	5.L	10.N	100.N	5.N	10.N	100.N	10.	50.N	10.N
72K137	10.N	5.L	70.	100.N	5.N	10.N	100.N	10.	50.N	10.N
72K138	10.L	5.L	100.	100.N	5.N	10.N	200.	20.	50.N	10.N
72K139	10.	5.L	300.	100.N	5.N	15.	500.	50.	50.N	10.N
72K140	10.	50.	150.	100.N	5.L	10.N	500.	70.	50.N	10.L
72P045	10.L	10.	50.	100.N	5.N	10.N	200.	50.	50.N	10.N
72P046	10.	10.	10.L	100.N	7.	10.N	1500.	150.	50.N	15.
72P091	10.	70.	300.	100.N	20.	10.N	500.	200.	50.N	20.
72P092	10.	30.	3000.	100.N	7.	10.N	150.	100.	50.N	10.L
72P093	10.L	5.L	70.	100.N	5.N	10.N	150.	50.	50.N	10.N
72P094	10.L	5.L	50.	100.N	10.	10.N	300.	100.	50.N	10.
72P095	10.	15.	3000.	100.N	5.L	10.N	100.L	20.	50.N	10.N
72P096	10.L	5.L	150.	100.N	5.N	10.N	150.	30.	50.N	10.N
72P097	10.	5.	150.	100.N	15.	10.N	200.	200.	50.N	15.
72P098	10.L	10.	3000.	100.N	5.N	10.N	100.L	20.	50.N	10.L
72P099	10.L	5.	150.	100.N	5.N	10.N	150.	20.	50.N	10.N
72P100	10.L	5.L	50.	100.N	5.N	10.N	200.	30.	50.N	10.N
72P101	10.N	5.L	200.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72P102	10.	10.	15000.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72P103	10.	30.	5000.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72P104	10.	100.	15000.	100.N	5.N	10.N	100.L	20.	50.N	10.N
72P105	10.	10.	10000.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72P106	10.L	5.L	10000.	100.N	5.N	10.N	100.L	15.	50.N	10.N
72P107	10.L	5.	2000.	100.N	5.N	10.N	100.L	15.	50.N	10.N
72P108	10.N	5.L	1000.	100.N	5.N	10.N	100.L	10.	50.N	10.N
72P109	10.	15.	2000.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72P110	10.	20.	100.	100.N	20.	10.N	300.	300.	50.N	15.
72P111	10.	30.	300.	100.N	30.	10.N	500.	500.	50.N	15.
72P112	10.	70.	20000.G	200.	5.N	10.N	100.L	20.	50.N	10.N
72P113	10.	20.	150.	100.N	30.	10.N	300.	300.	50.N	10.
72P114	10.	50.	15000.	100.N	5.N	10.N	100.L	20.	50.N	20.
72P115	10.L	5.L	1000.	100.N	7.	10.N	150.	100.	50.N	10.
72P116	10.N	7.	300.	100.N	5.N	10.N	100.L	30.	50.N	10.N
72P119	10.N	7.	1500.	100.N	5.N	10.N	100.L	10.L	50.N	10.N
72P120	10.N	7.	20.	100.N	5.N	10.N	100.L	15.	50.L	10.N
72P121	10.L	7.	15.	100.N	5.N	10.N	100.L	50.	50.N	10.N
72P122	10.L	5.L	2000.	100.N	5.N	10.N	100.L	15.	50.N	10.N
72P123	10.L	5.L	7000.	100.N	5.N	10.N	100.L	15.	50.N	10.N
72P124	10.	50.	150.	100.N	20.	10.N	700.	500.	50.N	20.
72P125	10.N	15.	300.	100.N	5.N	10.N	100.L	100.	50.N	10.N
72P126	10.N	15.	20.	100.N	5.N	10.N	100.L	10.	50.N	10.N
72P127	10.	30.	150.	100.N	10.	10.N	150.	150.	50.N	10.N
72P128	10.N	20.	1500.	100.N	5.N	10.N	100.L	150.	50.N	10.L
72P129	10.L	5.L	500.	100.N	5.L	10.N	100.L	50.	50.N	10.L
72P130	10.L	5.L	150.	100.N	5.N	10.N	100.L	30.	50.N	10.L
72P131	10.L	5.L	700.	100.N	5.N	10.N	100.L	20.	50.N	10.L
72P132	10.L	5.L	5000.	100.N	5.L	10.N	100.L	50.	50.N	10.L

TABLE 7. (CONT.)^a U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-ZN	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PB-P	AA-ZN-P
72K133	200.N	70.	0.05N	0.04	85.	80.	85.
72K134	200.N	70.	0.05N	0.04	90.	3100.	110.
72K135	200.N	70.	0.05N	0.16	100.	110.	100.
72K136	200.N	10.N	0.05N	0.02L	10.	80.	10.
72K137	200.N	10.N	0.05N	0.02	25.	80.	5.L
72K138	200.N	10.N	0.05N	0.02L	15.	130.	10.
72K139	200.N	10.N	0.05N	0.04	30.	400.	20.
72K140	200.N	20.	0.05N	0.12	2000.	100.	40.
72P045	200.N	10.L	0.05N	0.10	20.	50.	5.L
72P046	200.N	70.	0.05N	0.08	150.	10.	10.
72P091	300.	150.	0.05N	0.06	400.	500.	500.
72P092	1000.	50.	0.90	0.02L	12000.	7500.	1300.
72P093	200.N	50.	0.05	0.02	230.	110.	100.
72P094	200.N	70.	0.05N	0.02	40.	25.	90.
72P095	7000.	10.L	0.20	0.02L	16000.	11000.	10000.
72P096	200.N	70.	0.05N	0.02L	70.	100.	90.
72P097	200.	150.	0.05N	0.02L	150.	120.	350.
72P098	7000.	10.N	0.10	0.04	6000.	2800.	3000.
72P099	200.N	30.	0.05N	0.02N	50.	85.	30.
72P100	200.N	70.	0.05N	0.02	40.	30.	30.
72P101	200.N	10.L	2.50	0.02	4000.	2800.	130.
72P102	1000.	70.	0.60	0.04	14000.	10000.	4000.
72P103	7000.	10.L	0.70	0.12	19000.	10000.	10000.
72P104	10000.G	10.N	0.05N	0.06	4000.	23000.	50000.
72P105	10000.G	10.L	0.05N	0.04	8000.	10000.	50000.
72P106	7000.	10.N	0.05N	0.02L	8500.	18000.	10000.
72P107	1500.	10.N	0.15	0.10	4500.	5800.	4500.
72P108	200.N	70.	0.05	0.04	850.	9000.	500.
72P109	500.	10.L	0.70	0.02N	37000.	1500.	220.
72P110	200.L	70.	0.05L	0.02L	140.	50.	110.
72P111	200.L	100.	0.05N	0.02L	230.	130.	300.
72P112	10000.G	10.N	0.05	0.02L	2700.	40000.	55000.
72P113	200.N	70.	0.05N	0.04	170.	450.	200.
72P114	15000.	70.	0.05	0.02L	14000.	10000.	6000.
72P115	200.	30.	0.05N	0.02	1500.	500.	250.
72P116	200.N	10.L	0.05N	0.02L	280.	310.	70.
72P119	200.N	10.L	0.30	0.02L	280.	4000.	120.
72P120	200.N	10.L	0.05N	0.02L	10.	40.	10.
72P121	200.N	30.	0.05N	0.02L	35.	35.	25.
72P122	200.N	10.L	0.15	0.02	150.	6500.	15.
72P123	200.N	10.N	0.10	0.02	60.	10000.	15.
72P124	200.N	100.	0.05N	0.04	75.	60.	40.
72P125	200.N	10.L	0.10	0.02	90.	1000.	350.
72P126	200.N	20.	0.05N	0.04	10.	10.	10.
72P127	1500.	10.L	0.05N	0.02L	35.	110.	1100.
72P128	5000.	30.	5.00N	0.10	700.	4000.	5000.
72P129	200.N	10.L	0.05N	0.04	150.	800.	20.
72P130	200.N	20.	0.05N	0.04	60.	130.	20.
72P131	200.N	10.L	0.05N	0.02	90.	1500.	10.
72P132	200.N	20.	0.05N	0.08	95.	5500.	20.

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TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-NGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU
72P133	56 00 35N	130 19 38W	3.00	0.15	0.30	0.05	150.	20.0	200.N	10.N
72P134	56 00 35N	130 19 38W	5.00	0.20	1.50	0.05	700.	150.0	200.N	10.N
72P135	56 00 35N	130 19 38W	1.50	0.03	0.30	0.01	150.	15.0	200.N	10.N
72P136	56 00 35N	130 19 38W	2.00	0.07	0.20	0.15	150.	50.0	200.N	10.N
72P137	56 00 35N	130 19 38W	1.50	0.20	1.00	0.07	500.	50.0	200.N	10.N
72P138	56 00 35N	130 19 38W	1.00	0.03	0.07	0.01	30.	15.0	200.N	10.N
72P139	56 00 35N	130 19 38W	5.00	0.15	0.50	0.02	300.	50.0	200.N	10.N
72P140	56 00 35N	130 19 38W	2.00	0.07	0.20	0.02	70.	10.0	200.N	10.N
72P141	56 00 35N	130 19 38W	5.00	0.20	7.00	0.05	700.	70.0	200.N	10.N
72P142	56 00 35N	130 19 38W	1.50	0.20	1.50	0.03	300.	15.0	200.N	10.N
72P143	56 00 35N	130 19 38W	3.00	0.30	7.00	0.07	700.	15.0	200.N	10.N
72P144	56 00 35N	130 19 38W	15.00	0.70	1.50	0.50	700.	20.0	700.	10.N
72P145	56 00 35N	130 19 38W	7.00	0.20	1.50	0.07	700.	15.0	300.	10.N
72P146	56 00 35N	130 19 38W	3.00	0.50	1.00	0.15	700.	15.0	200.N	10.N
72P147	56 00 35N	130 19 38W	3.00	0.70	1.50	0.20	700.	3.0	200.N	10.N
72P148	56 00 35N	130 19 38W	15.00	0.50	0.30	0.30	700.	700.0	700.	10.N
72P149	56 00 35N	130 19 38W	10.00	0.70	0.15	0.15	500.	300.0	3000.	10.N
72P150	56 00 35N	130 19 38W	7.00	0.70	0.30	0.15	700.	100.0	3000.	10.N
72P151	56 00 35N	130 19 38W	20.00	0.50	0.05L	0.01	500.	700.0	700.	10.N
72P152	56 00 35N	130 19 38W	10.00	0.70	0.20	0.30	500.	20.0	1500.	10.N
72P153	56 00 35N	130 19 38W	7.00	1.00	1.50	0.20	700.	100.0	1500.	10.N
72P154	56 00 35N	130 19 38W	20.00	0.70	0.50	0.15	700.	300.0	700.	10.N
72P155	56 00 35N	130 19 38W	3.00	0.70	0.50	0.20	500.	70.0	200.N	10.N
72P156	56 00 35N	130 19 38W	1.00	0.10	2.00	0.03	70.	7.0	200.N	10.N
72P157	56 00 35N	130 19 38W	1.50	0.15	1.00	0.03	500.	7.0	200.N	10.N
72P158	56 00 35N	130 19 38W	5.00	0.30	3.00	0.03	1000.	150.0	200.N	10.N
72P159	56 00 35N	130 19 38W	3.00	0.20	2.00	0.02	700.	100.0	200.N	10.N
72P160	56 01 30N	130 19 14W	7.00	2.00	10.00	0.15	2000.	3.0	200.N	10.N
72P161	56 01 26N	130 19 24W	7.00	1.50	10.00	0.30	1500.	20.0	200.N	10.N
72P162	56 01 26N	130 19 24W	1.50	1.50	1.00	0.01	300.	30.0	200.N	10.N
72P163	56 01 26N	130 19 24W	10.00	3.00	5.00	0.50	1000.	1.5	200.N	10.N
72P164	56 01 26N	130 19 24W	5.00	3.00	7.00	0.30	1500.	3.0	200.N	10.N
72P165	56 01 26N	130 19 24W	10.00	3.00	7.00	0.70	1000.	7.0	200.N	10.N
72P166	56 01 26N	130 19 24W	7.00	3.00	7.00	0.50	1000.	0.5N	200.N	10.N
72P167	56 01 26N	130 19 24W	7.00	2.00	5.00	0.30	1000.	0.5N	200.N	10.N
72P168	56 01 03N	130 21 15W	15.00	0.50	1.50	0.05	700.	150.0	200.N	10.N
72P169	56 01 03N	130 21 15W	3.00	0.50	1.50	0.07	300.	15.0	200.N	10.N
72P170	56 01 03N	130 21 15W	3.00	1.50	1.50	0.30	500.	0.5L	200.N	10.N
72P171	56 01 03N	130 21 15W	2.00	1.00	2.00	0.30	500.	1.5	200.N	10.N
72P172	56 01 03N	130 21 15W	3.00	1.00	3.00	0.15	700.	15.0	200.N	10.N
72P173	56 01 03N	130 21 15W	1.50	0.20	1.00	0.03	150.	20.0	200.N	10.N
72P175	56 01 35N	130 24 30W	10.00	3.00	3.00	1.00	1500.	0.5L	200.N	10.N
72P176	56 01 35N	130 24 30W	2.00	1.00	1.00	0.20	150.	0.5N	200.N	10.N
72P177	56 01 35N	130 24 30W	5.00	1.50	1.00	0.30	500.	0.5N	200.N	10.N
72P178	56 01 35N	130 24 30W	5.00	2.00	1.50	0.50	700.	0.5N	200.N	10.N
72P179	56 01 14N	130 21 25W	3.00	0.05	0.15	0.05	70.	20.0	200.N	10.N
72P180	56 01 14N	130 21 25W	0.70	0.07	0.15	0.02	100.	0.7	200.N	10.N
72P181	56 01 14N	130 21 25W	0.70	0.05	1.00	0.03	70.	0.5L	200.N	10.N
72P182	56 01 14N	130 21 25W	10.00	0.50	1.50	0.10	300.	70.0	200.N	10.N
72P183	56 01 14N	130 21 25W	0.30	0.07	0.15	0.03	70.	2.0	200.N	10.N

BM40

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TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-R	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO
72P133	10.L	150.	1.0N	70.	20.N	5.N	10.N	20.	20.N	70.
72P134	10.L	700.	1.0L	500.	20.N	5.N	10.N	200.	20.N	300.
72P135	10.N	70.	1.0N	50.	20.N	5.N	10.N	15.	20.N	700.
72P136	10.L	300.	1.0N	150.	20.N	10.	10.N	20.	20.N	1000.
72P137	10.N	300.	1.0N	150.	20.N	5.N	10.L	100.	20.N	700.
72P138	10.N	20.	1.0N	50.	20.N	5.N	10.L	10.	20.N	500.
72P139	10.L	3000.	1.0N	300.	20.N	5.N	10.N	70.	20.N	1500.
72P140	10.L	70.	1.0N	15.	20.N	5.N	10.N	7.	20.N	1500.
72P141	10.L	500.	1.5	300.	20.L	5.N	10.L	30.	20.N	1500.
72P142	10.N	500.	1.0L	50.	20.N	5.N	10.N	10.	20.N	1000.
72P143	10.N	300.	1.0	30.	20.N	5.L	100.	30.	20.N	1000.
72P144	10.	500.	1.0	10.L	20.N	30.	15.	1000.	20.L	300.
72P145	10.L	30.	1.0L	15.	20.N	30.	10.L	50.	20.N	150.
72P146	10.L	700.	1.0L	10.L	20.N	5.L	10.L	50.	20.N	20.
72P147	10.L	1500.	1.0L	10.L	20.N	5.L	15.	20.	20.N	30.
72P148	10.	700.	1.0L	700.	500.G	70.	15.	15000.	20.N	150.
72P149	10.L	300.	1.0L	300.	20.L	20.	10.L	3000.	20.N	1000.
72P150	10.	20.N	1.0	70.	500.G	30.	10.L	200.	20.N	300.
72P151	10.L	30.	1.0N	500.	50.	200.	10.L	7000.	20.N	70.
72P152	15.	700.	1.5	15.	70.	15.	30.	700.	20.N	70.
72P153	10.	700.	1.5	100.	500.	30.	15.	2000.	20.N	200.
72P154	10.	700.	1.0L	500.	20.N	150.	10.	7000.	20.N	15.
72P155	10.L	200.	1.0N	300.	20.N	5.N	15.	150.	20.N	1500.
72P156	10.N	150.	1.0N	10.	20.N	5.N	10.L	7.	20.N	200.
72P157	10.N	150.	1.0L	10.L	20.N	5.N	10.L	5.	20.N	70.
72P158	10.L	70.	1.0L	300.	20.N	20.	10.L	70.	20.N	1500.
72P159	10.L	150.	1.0N	300.	20.N	30.	10.L	30.	20.N	1000.
72P160	50.	700.	1.0L	10.N	20.N	20.	150.	100.	20.N	100.
72P161	10.L	2000.	1.0L	100.	20.N	20.	15.	100.	20.N	1000.
72P162	10.L	70.	1.0N	70.	20.N	5.N	10.N	15.	20.N	300.
72P163	10.L	1000.	1.0L	10.N	20.N	30.	70.	150.	20.N	30.
72P164	10.L	700.	1.0L	15.	20.N	10.	20.	30.	20.N	20.
72P165	10.L	1000.	1.0L	10.L	20.N	20.	70.	150.	20.N	150.
72P166	10.L	700.	1.0L	10.N	20.N	20.	70.	20.	20.N	30.
72P167	10.L	1000.	1.0L	10.N	20.N	15.	20.	30.	20.N	5.L
72P168	10.L	150.	1.0N	200.	500.G	300.	20.	1500.	20.N	1000.
72P169	10.L	300.	1.0N	100.	20.N	7.	15.	300.	20.N	500.
72P170	10.N	1500.	1.0L	10.N	20.N	5.L	70.	15.	20.N	5.
72P171	10.N	200.	1.0L	10.N	20.N	5.N	70.	10.	20.N	7.
72P172	10.L	1500.	1.0L	100.	20.N	15.	50.	150.	20.N	700.
72P173	10.N	700.	1.0N	150.	20.N	5.L	10.L	70.	20.N	1000.
72P175	10.L	300.	1.0	10.N	20.N	20.	10.	20.	20.N	7.
72P176	10.N	2000.	1.0	10.N	20.N	5.N	70.	10.	20.N	5.N
72P177	10.L	1500.	1.0L	10.N	20.N	5.N	150.	15.	20.N	10.
72P178	10.L	700.	1.0	10.N	20.N	15.	150.	30.	20.N	7.
72P179	10.N	500.	1.0N	70.	30.	20.	10.N	20.	20.N	1500.
72P180	10.N	5000.G	1.0N	10.N	20.N	5.N	10.N	15.	20.N	70.
72P181	10.N	70.	1.0N	10.N	20.N	20.	10.N	10.	150.	500.
72P182	10.L	5000.G	1.0L	300.	20.N	30.	10.L	70.	30.	2000.
72P183	10.N	300.	1.0N	10.N	20.N	5.N	10.N	7.	20.N	70.

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TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
72P133	10.L	5.L	5000.	100.N	5.N	10.N	100.L	30.	50.N	10.L
72P134	10.	5.L	20000.	100.N	5.L	10.N	150.	30.	50.N	10.L
72P135	10.L	5.L	1500.	100.N	5.N	10.N	100.L	15.	50.N	10.L
72P136	70.	5.L	10000.	100.N	5.N	10.N	100.L	30.	50.N	15.
72P137	10.L	5.L	10000.	100.N	5.N	10.N	100.L	30.	50.N	10.L
72P138	10.L	5.L	1500.	100.N	5.N	10.N	100.L	15.	50.N	10.L
72P139	10.	5.L	10000.	100.N	5.N	10.N	300.	30.	50.N	10.L
72P140	10.L	5.L	1500.	100.N	5.N	10.N	100.L	30.	50.N	10.L
72P141	10.	5.L	1500.	100.N	5.N	10.N	150.	50.	50.N	10.L
72P142	10.L	5.L	3000.	100.N	5.N	10.N	150.	30.	50.N	10.L
72P143	10.L	10.	2000.	100.N	5.N	10.N	500.	70.	50.N	10.L
72P144	10.	15.	700.	100.N	15.	10.N	300.	200.	50.N	15.
72P145	10.	7.	200.	100.N	5.L	10.N	100.	30.	50.N	10.L
72P146	10.	7.	1500.	100.N	7.	10.N	700.	100.	50.N	10.L
72P147	10.	10.	150.	100.N	10.	10.N	500.	150.	50.N	10.
72P148	10.	15.	20000.G	100.N	20.	10.N	100.L	150.	50.N	10.L
72P149	10.	5.	15000.	100.N	7.	10.N	100.L	100.	50.N	10.L
72P150	10.	10.	3000.	100.N	10.	10.N	100.L	150.	50.N	10.
72P151	10.	150.	20000.G	100.N	5.L	10.N	100.L	50.	50.N	10.L
72P152	10.	15.	200.	100.N	15.	10.N	100.L	200.	50.N	10.
72P153	10.	50.	10000.	100.N	10.	10.N	100.L	150.	50.N	10.L
72P154	10.	150.	15000.	100.N	10.	10.N	100.L	150.	50.N	10.L
72P155	20.	15.	5000.	100.N	5.	10.N	150.	70.	50.N	10.
72P156	10.L	5.L	500.	100.N	5.N	10.N	100.L	20.	50.N	10.L
72P157	10.L	5.	300.	100.N	5.N	10.N	100.L	20.	50.N	10.L
72P158	10.L	5.	3000.	100.N	5.N	10.N	100.	30.	50.N	10.
72P159	10.L	7.	3000.	100.N	5.N	10.N	300.	20.	50.N	10.L
72P160	10.L	50.	200.	100.N	15.	10.N	700.	150.	50.N	10.
72P161	10.L	15.	3000.	100.N	15.	10.N	700.	200.	50.N	15.
72P162	10.L	5.L	2000.	100.N	5.N	10.N	100.L	20.	50.N	10.L
72P163	10.	20.	100.	100.N	5.L	10.N	700.	300.	50.N	20.
72P164	10.L	10.	200.	100.N	5.L	10.N	1000.	150.	50.N	10.
72P165	10.	20.	1500.	100.N	30.	10.N	700.	300.	50.N	20.
72P166	10.	30.	70.	100.N	30.	10.N	700.	200.	50.N	15.
72P167	10.L	15.	30.	100.N	20.	10.N	700.	200.	50.N	15.
72P168	10.	100.	15000.	100.N	5.L	10.N	100.L	150.	50.N	10.L
72P169	10.L	30.	300.	100.N	5.N	10.N	100.	30.	50.N	10.L
72P170	10.L	50.	70.	100.N	15.	10.N	300.	150.	50.N	30.
72P171	10.L	30.	100.	100.N	10.	10.N	200.	150.	50.N	20.
72P172	10.L	50.	700.	100.N	7.	10.N	300.	150.	50.N	10.L
72P173	10.L	20.	700.	100.N	5.L	10.N	100.L	20.	50.N	10.L
72P175	10.	5.	15.	100.N	30.	10.N	300.	200.	50.N	50.
72P176	10.L	10.	15.	100.N	7.	10.N	300.	70.	50.N	10.
72P177	10.	20.	10.	100.N	15.	10.N	300.	200.	50.N	15.
72P178	10.	100.	10.N	100.N	15.	10.N	300.	200.	50.N	20.
72P179	50.	7.	3000.	100.N	5.N	15.	100.	15.	50.N	200.
72P180	10.N	5.	100.	100.N	5.N	10.N	150.	10.	50.N	10.L
72P181	10.	7.	10.N	100.N	5.N	10.N	100.L	10.	50.N	15.
72P182	10.	20.	15000.	100.N	5.L	20.	700.	70.	50.N	10.L
72P183	10.L	7.	150.	100.N	5.N	10.N	100.L	15.	50.N	10.N

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-ZN	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PB-P	AA-ZN-P
72P133	200.N	10.L	0.05N	0.02	110.	6500.	5.
72P134	200.N	20.	0.10	0.02	210.	22000.	10.
72P135	200.N	10.L	0.05N	0.02	75.	2300.	5.L
72P136	200.N	10.N	0.05N	0.08	100.	13000.	10.
72P137	200.N	10.L	0.05N	0.04	110.	12000.	45.
72P138	200.N	10.N	0.10	0.08	85.	2800.	40.
72P139	200.N	10.N	0.10	0.06	140.	10000.	130.
72P140	200.N	10.N	0.05N	0.04	50.	2100.	60.
72P141	200.N	10.L	0.05N	0.12	65.	11000.	400.
72P142	200.N	10.L	0.05N	0.06	40.	1500.	70.
72P143	200.	10.L	0.05N	0.08	75.	1400.	170.
72P144	200.N	70.	0.05	0.02	900.	600.	110.
72P145	200.N	20.	0.05N	0.10	200.	600.	30.
72P146	200.N	20.	0.05N	0.06	100.	1000.	15.
72P147	200.N	30.	0.05N	0.02L	90.	80.	20.
72P148	10000.G	20.	0.80	0.04	10000.	30000.	100000.
72P149	10000.G	30.	0.80	0.70	3500.	14000.	35000.
72P150	1500.	30.	0.05	0.60	300.	4500.	1000.
72P151	10000.G	10.L	0.05N	0.16	8500.	90000.	85000.
72P152	3000.	70.	0.10	0.18	600.	1500.	4000.
72P153	5000.	70.	0.20	0.14	1600.	11000.	5500.
72P154	10000.G	30.	0.05N	0.20	7000.	20000.	35000.
72P155	200.N	20.	0.20	0.06	170.	8500.	55.
72P156	200.N	10.N	0.05N	0.10	65.	900.	20.
72P157	200.N	10.N	0.05N	0.08	20.	300.	10.
72P158	200.N	10.N	0.05	0.04	230.	9000.	20.
72P159	200.N	10.N	0.05N	0.06	60.	2200.	10.
72P160	200.N	10.L	0.05N	0.06	130.	55.	30.
72P161	200.N	30.	0.05N	0.02L	110.	2000.	80.
72P162	200.N	10.N	0.05	0.02	130.	1600.	10.
72P163	200.N	70.	0.05N	0.06	120.	25.	80.
72P164	200.N	30.	0.05N	0.04	80.	75.	70.
72P165	1000.	70.	0.05N	0.06	110.	1800.	1100.
72P166	200.N	70.	0.05N	0.04	80.	15.	60.
72P167	200.N	70.	0.05N	0.08	120.	30.	70.
72P168	10000.G	10.N	0.05N	0.12	1500.	16000.	80000.
72P169	500.	30.	0.05N	0.06	320.	500.	130.
72P170	200.N	100.	0.05N	0.02	25.	45.	55.
72P171	200.N	100.	0.05N	0.02	35.	70.	35.
72P172	200.	70.	0.05N	0.12	150.	450.	85.
72P173	200.N	10.L	0.05N	0.02L	110.	1400.	30.
72P175	200.N	150.	0.05N	0.04	45.	15.	55.
72P176	200.N	70.	0.05N	0.16	10.	10.	30.
72P177	200.N	100.	0.05N	0.08	35.	10.	140.
72P178	200.L	150.	0.05N	0.02L	60.	15.	150.
72P179	1500.	10.L	0.05N	0.02L	100.	200.	1700.
72P180	200.N	10.N	0.05N	0.16	10.	65.	10.
72P181	200.N	10.N	0.05N	0.04	5.	20.	10.
72P182	200.N	10.N	0.05N	0.02	65.	12000.	150.
72P183	200.N	10.L	0.05N	0.06	5.	200.	15.

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TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-AU
BM44	72P184	56 01 14N 130 21 25W	1.50	0.15	3.00	0.05	700.	1.5	200.N	10.N
	72P185	56 01 14N 130 21 25W	10.00	0.70	1.00	0.15	300.	200.0	200.N	10.N
	72P186	56 01 14N 130 21 25W	0.20	0.03	0.07	0.01	70.	15.0	200.N	10.N
	72P187	56 01 14N 130 21 25W	0.70	0.07	7.00	0.03	1000.	150.0	200.N	10.N
BM62	72P188	56 01 14N 130 21 25W	7.00	3.00	7.00	0.30	1000.	1.0	200.N	10.N
	72P189	56 01 14N 130 21 25W	5.00	2.00	5.00	0.20	1000.	1.0	200.N	10.N
	73K078	56 00 12N 130 38 25W	3.00	1.50	1.50	0.30	500.	0.5N	200.N	10.N
	73K079	56 00 12N 130 38 25W	3.00	0.70	1.50	0.20	500.	0.5N	200.N	10.N
BM53	73K080	56 00 34N 130 52 53W	3.00	1.50	1.50	0.30	500.	0.5N	200.N	10.N
	73K085	56 00 28N 130 52 24W	3.00	7.00	3.00	0.10	700.	0.5N	200.N	10.N
	73K086	56 00 35N 130 52 30W	3.00	7.00	5.00	0.10	700.	0.5N	200.N	10.N
	73K087	56 00 28N 130 52 24W	5.00	1.00	1.00	0.30	150.	1.0	200.N	10.N
BM48	73K098	56 01 05N 130 24 38W	5.00	2.00	2.00	0.30	1500.	0.5N	200.N	10.N
	73K099	56 01 05N 130 24 38W	5.00	3.00	3.00	0.50	1000.	0.5	200.N	10.N
	73K100	56 01 05N 130 24 38W	2.00	1.50	7.00	0.10	3000.	0.5	200.N	10.N
	73K101	56 01 05N 130 24 38W	5.00	0.50	5.00	0.02	3000.	3.0	200.N	10.N
BM45	73K102	56 01 05N 130 24 38W	7.00	7.00	20.00	0.05	5000.G	0.5N	200.N	10.N
	73K103	56 01 05N 130 24 38W	5.00	0.20	0.30	0.05	300.	1.5	200.N	10.N
	73K104	56 01 05N 130 24 38W	20.00G	1.00	7.00	0.02	5000.	3.0	200.N	10.N
	73K105	56 01 05N 130 24 38W	3.00	3.00	1.00	0.50	300.	0.5L	200.N	10.N
BM43	73K106	56 02 20N 130 22 47W	5.00	0.05	0.50	0.01	150.	2.0	200.N	10.N
	73K107	56 02 20N 130 22 47W	20.00	0.50	1.50	0.05	200.	1.5	200.N	10.N
	73K108	56 04 19N 130 15 43W	3.00	2.00	3.00	0.30	2000.	20.0	200.N	10.N
	73K109	56 04 19N 130 15 29W	15.00	2.00	20.00	0.15	1500.	10.0	200.N	10.N
BM37	73K112	56 00 54N 130 15 48W	3.00	1.00	5.00	0.20	1000.	20.0	200.N	10.N
	73K113	56 00 54N 130 15 48W	0.50	0.02	0.07	0.00	50.	100.0	200.N	10.N
	73K114	56 00 54N 130 15 48W	3.00	1.00	1.50	0.20	700.	50.0	200.N	10.N
	73K115	56 00 54N 130 15 48W	3.00	1.00	0.50	0.01	100.	10.0	200.N	10.N
BM50	73P054	56 09 23N 130 35 03W	5.00	2.00	7.00	0.20	2000.	0.5	200.N	10.N
	73P055	56 09 23N 130 35 03W	3.00	1.50	1.50	0.20	1000.	2.0	200.N	10.N
	73P056	56 02 09N 130 41 24W	3.00	1.50	1.00	0.30	500.	0.5N	200.N	10.N
	73P076	56 00 59N 130 25 42W	1.00	0.50	1.00	0.07	700.	0.5N	200.N	10.N
BM49	73P077	56 00 59N 130 25 42W	0.50	0.10	0.20	0.05	100.	0.5	200.N	10.N
	73P078	56 00 59N 130 25 42W	3.00	3.00	1.00	0.50	500.	0.7	200.N	10.N
	73P079	56 00 25N 130 20 04W	3.00	3.00	2.00	0.20	700.	0.5	200.N	10.N
	73P080	56 02 46N 130 17 05W	5.00	3.00	2.00	0.30	1000.	0.5N	200.N	10.N
BM46	73P081	56 02 46N 130 17 05W	3.00	2.00	2.00	0.30	1000.	0.5	200.N	10.N
	73P082	56 02 20N 130 24 38W	1.50	0.50	1.50	0.07	500.	0.7	200.N	10.N
	73P083	56 02 20N 130 24 38W	2.00	0.50	1.50	0.10	300.	0.5	200.N	10.N
	73P084	56 01 55N 130 19 41W	1.00	0.10	0.70	0.02	200.	20.0	200.N	10.N
BM38	73P085	56 01 55N 130 19 41W	3.00	0.20	1.00	0.02	300.	30.0	200.N	10.N

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TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-B	S-BA	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-NO
72P184	10.N	300.	1.0N	15.	20.N	5.N	15.	30.	20.N	700.
72P185	10.L	5000.G	1.0N	500.	70.	15.	30.	20.	20.	2000.
72P186	10.N	700.	1.0N	30.	20.N	5.N	10.N	5.	20.N	150.
72P187	10.N	150.	1.0N	300.	20.N	5.N	10.L	20.	20.N	150.
72P188	10.L	1000.	1.0L	10.N	20.N	15.	100.	100.	20.N	15.
72P189	10.L	700.	1.0L	10.N	20.N	30.	150.	200.	20.L	7.
73K078	10.N	2000.	1.0	10.N	20.N	5.	150.	10.	30.	30.
73K079	10.N	3000.	1.5	10.N	20.N	5.	10.N	10.	30.	5.N
73K080	10.N	2000.	1.0	10.N	20.N	7.	100.	10.	20.	5.
73K085	10.L	20.	1.0N	10.N	20.N	100.	5000.	15.	20.N	5.N
73K086	10.L	20.	1.0N	10.N	20.N	100.	5000.	10.	20.N	5.N
73K087	10.N	1500.	1.0L	10.N	20.N	5.N	300.	20.	20.L	10.
73K088	10.N	1500.	1.0	10.N	20.N	15.	70.	70.	30.	70.
73K099	10.N	1500.	1.0	10.N	20.N	30.	700.	150.	20.	5.
73K100	10.L	500.	1.0L	100.	20.N	7.	15.	100.	20.L	50.
73K101	10.N	20.	1.0L	200.	20.N	50.	15.	100.	20.	7.
73K102	10.N	20.	1.0N	10.	20.N	10.	10.	70.	20.N	70.
73K103	10.N	100.	1.0L	10.L	20.N	10.	10.	150.	20.	20.
73K104	10.N	20.	1.0N	50.	20.N	500.	10.	1500.	70.	10.
73K105	10.L	1500.	1.0	10.N	20.N	10.	500.	100.	20.	10.
73K106	10.N	70.	1.0L	10.N	20.N	30.	10.	100.	20.N	15.
73K107	10.N	200.	1.0N	10.N	20.N	30.	15.	1500.	20.L	10.
73K108	10.	2000.	2.0	10.N	20.N	20.	20.	1000.	30.	5.N
73K109	10.N	300.	1.0L	10.N	20.N	300.	20.	5000.	20.N	5.N
73K112	10.L	1000.	1.0L	50.	30.	15.	70.	200.	30.	2000.
73K113	10.N	150.	1.0N	1000.G	20.	5.N	10.L	15.	20.	1000.
73K114	10.N	2000.	1.0	200.	20.N	7.	70.	100.	20.	2000.
73K115	10.L	70.	1.0L	50.	20.N	5.N	10.	50.	20.	1000.
73P054	10.N	100.	1.0L	10.	20.N	20.	200.	100.	20.N	5.N
73P055	10.N	1000.	1.0	10.	20.N	5.	10.	70.	20.	5.
73P056	10.N	1500.	1.0	10.N	20.N	10.	300.	50.	20.	15.
73P076	10.L	100.	1.0	10.N	20.N	5.N	15.	7.	20.L	7.
73P077	10.L	150.	1.0	15.	20.N	5.N	10.	10.	20.N	5.N
73P078	10.N	1000.	1.0	10.N	20.N	7.	300.	70.	20.	10.
73P079	10.N	700.	1.0L	10.N	20.N	30.	150.	200.	20.N	5.N
73P080	10.N	1500.	1.0L	10.N	20.N	30.	100.	100.	20.L	5.
73P081	10.N	1500.	1.0L	10.N	20.N	15.	200.	150.	20.	10.
73P082	10.L	700.	1.0L	50.	20.N	15.	10.	300.	20.L	20.
73P083	10.N	700.	1.0L	10.N	20.N	15.	20.	150.	20.L	15.
73P084	10.L	150.	1.0N	70.	30.	5.	10.L	70.	20.	500.
73P085	10.L	150.	1.0N	70.	20.N	7.	10.L	200.	20.	500.

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TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y
72P184	10.L	15.	70.	100.N	5.N	10.N	300.	50.	50.N	10.
72P185	20.	70.	20000.G	100.N	5.L	15.	500.	100.	50.	20.
72P186	10.N	5.	700.	100.N	5.N	10.N	100.L	10.	50.N	10.L
72P187	10.	5.	3000.	100.N	5.N	10.N	200.	10.	50.N	10.L
72P188	10.L	50.	100.	100.N	15.	10.N	300.	200.	50.N	30.
72P189	10.L	70.	100.	100.N	15.	10.N	300.	200.	50.N	20.
73K078	20.L	20.	.15.	100.N	20.	10.N	700.	200.	50.N	30.
73K079	20.L	5.L	20.	100.N	7.	10.N	1000.	50.	50.N	10.
73K080	20.N	30.	20.	100.N	15.	10.N	700.	100.	50.N	15.
73K085	20.N	2000.	10.N	100.N	15.	10.N	100.L	50.	50.N	10.L
73K086	20.N	2000.	10.L	100.N	10.	10.N	100.L	50.	50.N	10.L
73K087	20.N	10.	15.	100.N	10.	10.N	200.	500.	50.N	10.L
73K098	20.L	20.	10.	100.N	20.	10.N	500.	200.	50.N	30.
73K099	20.L	200.	10.	100.N	20.	10.N	500.	150.	50.N	30.
73K100	20.N	15.	10.	100.N	10.	10.N	2000.	100.	50.N	20.
73K101	20.N	30.	10.	100.N	5.L	10.N	700.	10.	50.N	20.
73K102	20.N	5.	10.L	100.N	10.	10.N	1000.	70.	50.N	50.
73K103	20.N	15.	10.N	100.N	5.	10.N	100.L	15.	50.N	10.
73K104	20.N	150.	10.	100.N	7.	10.N	500.	10.	50.N	70.
73K105	20.L	70.	15.	100.N	20.	10.N	300.	200.	50.N	20.
73K106	20.N	5.	10.L	100.N	5.L	10.N	100.L	10.	50.N	10.N
73K107	20.N	30.	10.	100.N	10.	10.N	200.	70.	50.N	10.N
73K108	20.L	10.	1500.	100.N	20.	10.N	1500.	200.	50.N	30.
73K109	20.N	100.	10.	100.N	20.	10.N	700.	15.	50.N	10.N
73K112	20.	50.	3000.	100.N	7.	10.	1000.	50.	50.N	30.
73K113	20.N	5.	20000.	100.N	5.N	10.	100.N	10.	50.N	10.N
73K114	20.L	50.	5000.	100.N	15.	15.	300.	100.	50.N	20.
73K115	20.N	5.	700.	100.N	5.N	15.	100.N	10.	50.N	10.N
73P054	20.N	100.	10.	100.N	15.	15.	150.	200.	50.	10.
73P055	20.N	5.L	15.	100.N	15.	10.N	150.	200.	50.N	10.
73P056	20.L	100.	10.	100.N	15.	10.N	300.	150.	50.N	10.
73P076	20.N	20.	10.L	100.N	10.	10.N	100.L	30.	50.N	10.L
73P077	20.N	10.	10.L	100.N	5.L	10.N	100.L	20.	50.N	10.N
73P078	20.L	50.	15.	100.N	20.	10.L	200.	150.	50.N	20.
73P079	20.N	50.	15.	100.N	20.	10.N	500.	150.	50.N	10.
73P080	20.N	30.	10.	100.N	30.	10.N	1000.	300.	50.N	30.
73P081	20.N	30.	15.	100.N	30.	10.N	500.	200.	50.N	20.
73P082	20.N	20.	10.L	100.N	5.	10.N	150.	70.	100.	10.L
73P083	20.N	30.	10.L	100.N	5.	10.N	150.	70.	50.N	15.
73P084	20.N	5.	2000.	100.N	5.N	10.L	100.L	10.	50.N	10.N
73P085	20.N	5.	1000.	100.N	5.L	10.L	100.	20.	50.N	10.N

TABLE 7. (CONT.) U.S. BUREAU OF MINES ANALYTICAL DATA.

SAMPLE	S-ZN	S-ZR	AA-AU-P	INST-HG	AA-CU-P	AA-PB-P	AA-ZN-P
72P184	200.N	10.L	0.05N	0.02	15.	170.	15.
72P185	2000.	10.L	0.10	0.02	45.	6000.	6000.
72P186	200.N	10.N	0.05N	0.04	5.	1800.	10.
72P187	200.N	10.N	0.05	0.04	40.	3600.	130.
72P188	200.N	70.	0.05N	0.10	110.	35.	30.
72P189	200.N	70.	0.05N	0.02	300.	100.	50.
73K078	200.N	200.	0.05N	0.02N	25.	10.	100.
73K079	200.N	300.	0.05N	0.02N	10.	5.L	45.
73K080	200.N	150.	0.05N	0.02N	20.	5.	45.
73K085	200.N	20.	0.05N	0.02N	30.	15.	40.
73K086	200.N	20.	0.05N	0.02L	20.	15.	15.
73K087	200.N	150.	0.05N	0.02N	20.	10.	40.
73K098	200.N	150.	0.05N	0.02N	60.	10.	60.
73K099	200.N	150.	0.05N	0.02N	80.	10.	50.
73K100	200.N	30.	0.05N	0.02N	55.	10.	10.
73K101	200.N	10.N	0.80	0.02	1000.	15.	15.
73K102	200.N	10.N	0.05	0.02	150.	15.	20.
73K103	200.N	10.	0.30	0.02N	500.	5.L	30.
73K104	200.N	10.N	0.20	0.02N	1200.	10.	15.
73K105	200.N	150.	0.05N	0.02N	55.	10.	55.
73K106	200.N	10.N	0.05	0.02N	60.	5.L	10.
73K107	200.N	10.	0.05L	0.02N	1200.	5.L	20.
73K108	200.	100.	0.05L	0.02N	750.	800.	170.
73K109	200.N	10.	0.05N	0.02N	3300.	10.	120.
73K112	1000.	70.	0.05N	0.02	350.	3700.	750.
73K113	200.N	10.N	0.05N	0.02N	20.	45000.	10.
73K114	200.N	100.	0.05N	0.02	85.	5000.	60.
73K115	200.N	10.N	0.05N	0.02	70.	1700.	10.
73P054	200.N	20.	0.05N	0.02N	130.	10.	35.
73P055	200.N	50.	0.05N	0.02N	120.	10.	25.
73P056	200.N	150.	0.05N	0.02N	35.	5.	100.
73P076	200.N	20.	0.05N	0.02	15.	5.L	10.
73P077	200.N	30.	0.05N	0.02L	10.	5.L	5.
73P078	200.N	150.	0.05N	0.02	50.	10.	70.
73P079	200.N	50.	0.05N	0.02N	350.	10.	30.
73P080	200.N	70.	0.05N	0.02N	110.	10.	70.
73P081	200.N	70.	0.05N	0.02N	500.	10.	50.
73P082	200.N	20.	0.30	0.02N	110.	5.	20.
73P083	200.N	30.	0.15	0.02N	130.	5.L	30.
73P084	1000.	10.N	0.05L	0.02N	75.	6500.	2000.
73P085	200.N	10.N	0.05N	0.02	300.	1400.	70.