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JUN 29 1970
DIV. MINES & GEOLOGY

417

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

ANALYSES OF ROCK AND STREAM-SEDIMENT SAMPLES FROM THE CRAIG B-3 QUADRANGLE, ALASKA

By

Allen L. Clark, Henry C. Berg, Donald A. Grybeck,
A. Thomas Ovenshine, and Raymond Wehr

Open-file report

1970

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Geological Survey standards

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INTRODUCTION

Analytical data for 93 rock and 107 stream-sediment samples from the Craig B-3 , 1:63,360-scale quadrangle are presented in this report, together with a statistical treatment of the data. The samples were collected in 1969 as part of the Heavy Metals Program of the U.S. Geological Survey.

The most comprehensive discussion of the geology of the study area is a report by A. F. Buddington and Theodore Chapin (1929). Known metalliferous lodes of the area are described and additional references to specific areas are given by Berg and Cobb (1967). Additional data is given in reports by Condon (1961), Smith (1914), and Wright and Wright (1908). Supplemental publications are being prepared on the general geology and mineral occurrences of the study area.

Procedures and treatment of data

Standard procedures were followed in the collection and preparation of samples.

Rock samples are primarily grab samples from mineral occurrences and outcrops. They were chosen for analysis to provide data on background, because they were in the area of mineral occurrences or stream-sediment anomalies, because they were strongly iron stained, or contained visible sulfides.

Stream-sediment samples were generally collected from the active stream channel; where this was not possible, samples were collected from bank or terrace deposits adjacent to the channel.

Rock samples were crushed and pulverized and the minus 80 mesh fraction analyzed. Stream-sediment samples were dried, sieved, and the minus 80 mesh fraction analyzed. The minus 80 mesh fractions of the

samples were analyzed for 30 elements by the six-step semiquantitative spectrographic method and for gold by the atomic absorption method.[1/]

The spectrographic analyses were reported in percentage (pct) or parts per million (ppm) to the nearest number in the series 1.0, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, etc. The precision of a reported value is approximately plus 100 percent or minus 50 percent. Analyses for gold by the atomic absorption method are accurate to ± 100 percent. Minimum limits of determination for each element are given on page 7. Semiquantitative spectrographic analyses were done by K. J. Curry and atomic absorption analyses were done by R. L. Miller, R. B. Tripp, H. D. King, and A. L. Meier.

Locations of the rock and stream-sediment samples are shown on Plate 1. Rock sample descriptions are given in table 1 and rock sample analyses are tabulated in table 2 and stream-sediment analyses are tabulated in table 3.

The results of the analyses of the rock and stream-sediment analyses have been processed by means of a computer program known as GEOSUM and are presented in tables 2 and 3. The GEOSUM program is designed primarily for summarizing and tabulating geochemical data--especially data from semiquantitative spectrographic analyses (commonly referred to as six-step spectrographic analyses) by the laboratories of the U.S. Geological Survey.

The program output consists of: (a) a tabulation of the data, (b) histograms and cumulative frequency distributions for all elements except tungsten, and (c) a statistical summary which includes geometric means and geometric deviations.

[1/] Analyses for 29 elements by semiquantitative analyses and for gold by atomic absorption are given in the tables. Semiquantitative analyses for gold are omitted.

Table 1.--Description of rock, vein, and altered zone samples. (All samples are of representative material.) Sample localities are shown by sample number plotted on the accompanying map, Plate 1.

Sample No.	Lab. No.	Sample Description
1	ACE-923	Argillite with minor pyrite
1	-924	Argillite gouge
1	-925	10-foot channel sample oxidized vein
1	-926	Argillite
1	-927	Marble
1	-928	Quartz vein with pyrite
2	-859	Hornfelsed greenstone
3	-860	Quartz veined hornfelsed greenstone
4	-861	Greenstone with minor pyrite
5	-862	Greenstone with 5 percent pyrite
6	ACL-298	Brecciated greenstone with pyrite gossan
7	-297	Greenstone gouge with 5-10 percent pyrite
8	-296	Volcanic breccia
9	ACE-827	Quartz veined and brecciated phyllite
10	-826	Quartz veined slate and argillite
11	-825	Quartz veined phyllite and argillite
12	-920	Argillite with disseminated pyrite
13	-823	Argillite with minor pyrite
14	-822	Greenstone with pyrite and minor chalcopyrite
15	-802	Phyllite with minor pyrite
16	-801	Vesicular basalt
17	ACL-959	Argillite and graywacke
17	-960	Quartz pod with pyrite
18	ACE-999	Altered graywacke
18	-953	Altered graywacke
19	ACL-996	Argillite with pyrite
19	-995	Argillite with pyrite
20	ACE-952	Quartz vein
20	-954	Pyroxene andesite
21	-994	Epidotized greenstone
22	-991	Greenstone
23	ACL-943	Biotite-hornblende quartz monzonite
24	-944	Biotite-hornblende quartz monzonite
25	-945	Biotite-hornblende quartz diorite
26	-946	Epidotized hornfels
27	-947	Argillite
28	-958	Quartz diorite
29	-950	Quartz diorite
30	-377	Hornfels
30	-378	Quartz diorite

Table 1.--Description of rock, vein, and altered zone samples. (All samples are of representative material.) Sample localities are shown by sample number plotted on the accompanying map, Plate 1. (Continued)

Sample No.	Lab. No.	Sample Description
30	ACL-379	Quartz diorite
31	-380	Quartz diorite
32	-381	Quartz diorite
33	-382	Foliated quartz diorite
34	-952	Sheared graywacke
34	-953	Foliated quartz diorite
34	-954	Iron-stained quartz diorite gneiss
34	-955	Quartz diorite with schlieren
35	-383	Epidotized quartz diorite
35	-384	Epidotized quartz diorite
36	-951	Quartz diorite with minor pyrite
37	-385	Quartz diorite with minor pyrite
38	-386	Sheared quartz diorite
38	-387	Sheared quartz diorite
38	-388	Sheared quartz diorite
38	-389	Iron-stained gouge
38	-390	Quartz diorite dike rock
39	-391	Foliated quartz diorite
40	-392	Hornfels with minor pyrite
41	-393	Foliated quartz diorite
41	-394	Hornfels with minor pyrite
42	-395	Sheared quartz diorite
43	-396	Sheared quartz diorite
44	-956	Hornfels with minor pyrite
45	ACE-829	Graywacke
46	ACL-963	Greenstone with minor pyrite
47	-962	Quartz vein
48	-961	Greenschist with pyrite and minor chalcopyrite
49	-957	Greenschist with pyrite and minor chalcopyrite
50	-913	Foliated quartz diorite
51	-918	Greenstone with pyrite - foliated
52	-917	Volcanic breccia
53	ACE-904	Pyritized greenschist
53	-905	Carbonate veins with minor pyrite
54	ACL-916	Cherty argillite
55	-915	Cherty argillite
56	-910	Quartz veined mylonite
56	-911	Calcareous greenstone
56	-912	Calcareous pyrite greenstone
57	-964	Quartz vein

Table 1.--Description of rock, vein, and altered zone samples. (All samples are of representative material.) Sample localities are shown by sample number plotted on the accompanying map, Plate 1. (Continued)

Sample No.	Lab. No.	Sample Description
58	ACL-965	Sheared phyllite with minor pyrite
58	-970	Greenstone
59	-966	Meta-graywacke and greenstone
60	-967	Calcareous greenstone with pyrite and minor chalcopyrite
61	-968	Limestone
62	-969	Micaceous phyllite
63	ACE-803	Calcareous siltstone
64	-804	Sheared greenstone with minor pyrite
64	-805	Sheared greenstone with minor pyrite
65	-903	Cold spring deposit
66	-807	Quartz porphyry
67	-808	Greenschist
68	-806	Hornfels

Explanation of Tables 2 and 3

Analytical results from rock and stream-sediment samples are given in Tables 2 and 3 as analytical values such as 7.0000 ppm, 10.0000 percent, etc., or as qualified values expressed as a letter. These letter codes are N = not detected, L = less than specified limit of detection, G = greater than value shown, B = no data, H = interference. The term T = trace, but does not occur in these data. Note that the right-most zero digits for each analytical value may or may not be significant. The specified limits of detection are as follows:

Specified limits of detection

FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM
0.05000	0.02000	0.05000	0.00200	20.00000	0.10000
AS PPM	AU PPM	B PPM	BA PPM	BE PPM	BI PPM
0.20000	0.02000	10.00000	20.00000	1.00000	10.00000
CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM
5.00000	5.00000	2.00000	20.00000	2.00000	10.00000
NI PPM	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM
2.00000	10.00000	0.50000	5.00000	10.00000	50.00000
V PPM	W PPM	Y PPM	ZN PPM	ZR PPM	
5.00000	50.00000	5.00000	25.00000	10.00000	

Semiquantitative spectrographic analyses by the U.S. Geological Survey are reported as geometric midpoints (1.0, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, etc.) of geometric backets having the boundaries 1.2, 0.83, 0.56, 0.38, 0.26, 0.18, 0.12, 0.083, etc. The frequency distributions and histograms are on logarithmic scales and are computed using these brackets as class intervals, for example:

Reported value (ppm)	Limits	
1.0	.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

On the histograms decimal numbers are shown as powers of 10, for example:

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

7.0E 03 means 7.0×10^{3} or 7,000.0

The histograms are constructed of X's, each of which represents 1 percent of the total number (309) of samples.

The histograms and the statistics given below them are derived only from data values within the ranges of analytical determination ("analytical values"). The histograms are, therefore, incomplete, and the statistics are biased if data values qualified with N, L, C, T, or H codes are present. (See the histogram and statistics below it for tin, which are calculated from only one sample.) Statistical estimates that are unbiased in this regard are given at the end of Table 1. The geometric means is the antilogarithm of the arithmetic mean of the logs of the analyses and 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. The geometric deviation is the antilogarithm of the standard deviation of the logs of the analyses. See USGS Professional Paper 574-B for further discussion and USGS Bulletin 1147E, p. 20-23, for further discussion and explanation of geometric deviation.

In the computations performed to produce the statistical summary at the end of Tables 2 and 3, 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 of 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.

Selected References

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Wright, F. E., and Wright, C. W., 1908, The Ketchikan and Wrangell mining districts, Alaska: U.S. Geol. Survey Bull. 347, 210 p.

TABLE 2. CRAIG B-3 ROCK SAMPLES

MAP NUMBER	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
1	ACE923	5.0000	5.0000	0.7000	0.3000	300.0000	0.0 L	0.0 N	0.0 N	30.0000	500.0000
1	ACE924	15.0000	7.0000	7.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
1	ACE925	15.0000	1.5000	0.1000	0.7000	5000.0000	7.0000	0.0 N	0.0 N	100.0000	700.0000
1	ACE926	15.0000	7.0000	5.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	50.0000	500.0000
1	ACE927	7.0000	3.0000	5.0000	0.3000	1500.0000	1.5000	0.0 N	0.0 N	30.0000	150.0000
1	ACE928	3.0000	0.7000	2.0000	0.2000	700.0000	0.0 N	0.0 N	0.0 N	0.0 N	700.0000
2	ACE859	10.0000	2.0000	5.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	30.0000	1500.0000
3	ACE860	10.0000	3.0000	7.0000	0.2000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
4	ACE861	7.0000	2.0000	5.0000	0.3000	2000.0000	0.0 N	0.0 N	0.0 N	2000.0000	0.0 L
5	ACE862	7.0000	1.5000	3.0000	0.3000	500.0000	0.0 N	0.0 N	0.0 N	30.0000	0.0 L
6	ACL298	20.0000	1.0000	0.3000	0.3000	300.0000	0.0 L	0.0 N	0.0 N	10.0000	300.0000
7	ACL297	3.0000	1.5000	1.5000	0.3000	1000.0000	0.5000	0.0 N	0.0 N	10.0000	300.0000
8	ACL296	10.0000	3.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	500.0000
9	ACE827	3.0000	0.5000	0.7000	0.1000	500.0000	1.5000	0.0 N	0.0 N	30.0000	300.0000
10	ACE826	5.0000	0.7000	2.0000	0.3000	300.0000	1.0000	0.0 N	0.0 N	100.0000	700.0000
11	ACE825	5.0000	0.7000	1.5000	0.3000	1500.0000	1.5000	0.0 N	0.0 N	30.0000	150.0000
12	ACE920	3.0000	1.5000	2.0000	0.2000	200.0000	0.0 L	0.0 N	0.0 N	15.0000	1000.0000
13	ACE823	7.0000	3.0000	10.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
14	ACE822	10.0000	3.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
15	ACE802	15.0000	5.0000	5.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	700.0000
16	ACE801	20.0000	7.0000	7.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	700.0000
17	ACL959	5.0000	1.5000	3.0000	0.3000	1000.0000	0.0 N	2000.0000	0.0 N	15.0000	150.0000
17	ACL960	3.0000	3.0000	2.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
18	ACE999	1.5000	0.3000	0.0 L	0.2000	100.0000	0.0 N	700.0000	0.0 N	30.0000	300.0000
18	ACE953	1.5000	0.5000	1.0000	0.2000	150.0000	0.0 N	0.0 N	0.0 N	15.0000	700.0000
19	ACL995	7.0000	2.0000	0.7000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
19	ACL996	3.0000	2.0000	0.3000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
20	ACE952	0.3000	0.0300	0.0 L	0.0150	70.0000	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L
20	ACE954	15.0000	3.0000	0.1500	0.5000	500.0000	0.0 N	0.0 N	0.0 N	10.0000	500.0000
21	ACE994	7.0000	5.0000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
22	ACE991	7.0000	0.7000	0.5000	0.2000	700.0000	0.0 L	0.0 N	0.0 N	30.0000	0.0 L
23	ACL943	7.0000	1.0000	5.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	200.0000
24	ACL944	10.0000	1.5000	5.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	150.0000
25	ACL945	10.0000	3.0000	5.0000	0.5000	2000.0000	0.0 N	0.0 N	0.0 N	70.0000	700.0000
26	ACL946	15.0000	5.0000	5.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
27	ACL947	15.0000	5.0000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
28	ACL958	3.0000	0.7000	2.0000	0.2000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	200.0000
29	ACL950	5.0000	1.5000	5.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	150.0000
30	ACL377	15.0000	5.0000	5.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
30	ACL378	10.0000	1.5000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
30	ACL379	15.0000	1.0000	7.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	70.0000
31	ACL380	7.0000	1.5000	1.5000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000
32	ACL381	7.0000	1.5000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
33	ACL382	7.0000	1.5000	2.0000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	0.0 N	100.0000
34	ACL952	7.0000	3.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
34	ACL953	5.0000	1.5000	5.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	150.0000
34	ACL954	5.0000	2.0000	3.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	200.0000
34	ACL955	5.0000	1.0000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
35	ACL383	7.0000	1.5000	3.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	100.0000
35	ACL384	15.0000	7.0000	2.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000

CRAIG B-3 ROCK SAMPLES

	SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
1	ACE923	1.5000	0.0 N	0.0 N	10.0000	30.0000	30.0000	0.0 L	0.0 N	10.0000	15.0000
1	ACE924	0.0 L	0.0 N	0.0 N	70.0000	500.0000	100.0000	0.0 L	0.0 L	10.0000	200.0000
1	ACE925	2.0000	0.0 N	0.0 N	70.0000	150.0000	300.0000	0.0 L	7.0000	10.0000	100.0000
1	ACE926	0.0 L	0.0 N	0.0 N	50.0000	70.0000	150.0000	0.0 L	0.0 L	10.0000	70.0000
1	ACE927	0.0 L	0.0 N	0.0 N	10.0000	10.0000	30.0000	0.0 N	0.0 L	0.0 L	15.0000
1	ACE928	0.0 N	30.0000	0.0 N	0.0 L	5.0000	200.0000	20.0000	0.0 N	10.0000	5.0000
2	ACE859	0.0 L	0.0 N	0.0 N	15.0000	0.0 L	20.0000	20.0000	0.0 N	15.0000	15.0000
3	ACE860	0.0 L	0.0 N	0.0 N	15.0000	0.0 L	50.0000	20.0000	0.0 N	0.0 L	10.0000
4	ACE861	1.5000	0.0 N	0.0 N	20.0000	0.0 N	30.0000	0.0 L	0.0 N	15.0000	10.0000
5	ACE862	0.0 L	0.0 N	0.0 N	10.0000	0.0 N	30.0000	0.0 N	0.0 N	10.0000	7.0000
6	ACL298	0.0 N	0.0 N	0.0 N	15.0000	30.0000	30.0000	0.0 N	20.0000	0.0 L	20.0000
7	ACL297	0.0 N	0.0 N	0.0 N	10.0000	0.0 L	30.0000	0.0 N	0.0 N	10.0000	7.0000
8	ACL296	0.0 N	0.0 N	0.0 N	20.0000	10.0000	70.0000	0.0 L	0.0 L	10.0000	10.0000
9	ACE827	0.0 N	0.0 N	0.0 N	5.0000	20.0000	50.0000	0.0 N	15.0000	10.0000	70.0000
10	ACE826	0.0 L	0.0 N	0.0 N	10.0000	30.0000	50.0000	0.0 L	15.0000	0.0 L	50.0000
11	ACE825	0.0 L	0.0 N	0.0 N	10.0000	0.0 L	50.0000	0.0 L	0.0 L	0.0 L	10.0000
12	ACE920	0.0 L	0.0 N	0.0 N	20.0000	30.0000	50.0000	0.0 L	0.0 N	0.0 L	30.0000
13	ACE823	0.0 N	0.0 N	0.0 N	20.0000	20.0000	70.0000	0.0 N	5.0000	0.0 L	15.0000
14	ACE822	0.0 N	0.0 N	0.0 N	20.0000	0.0 L	30.0000	0.0 L	0.0 N	10.0000	15.0000
15	ACE802	0.0 L	0.0 N	0.0 N	20.0000	70.0000	300.0000	0.0 L	0.0 N	15.0000	20.0000
16	ACE801	0.0 L	0.0 N	0.0 N	70.0000	150.0000	50.0000	30.0000	5.0000	20.0000	70.0000
17	ACL959	0.0 L	0.0 N	0.0 N	15.0000	30.0000	70.0000	0.0 N	50.0000	10.0000	30.0000
17	ACL960	0.0 L	0.0 N	0.0 N	10.0000	70.0000	150.0000	0.0 N	0.0 N	10.0000	30.0000
18	ACE999	1.0000	0.0 N	0.0 N	0.0 N	15.0000	0.0 L	0.0 L	0.0 N	0.0 L	0.0 L
18	ACE953	0.0 L	0.0 N	0.0 N	0.0 N	15.0000	0.0 L	0.0 N	0.0 N	0.0 L	5.0000
19	ACL995	0.0 L	0.0 N	0.0 N	0.0 N	70.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
19	ACL996	0.0 N	0.0 N	0.0 N	0.0 N	50.0000	20.0000	0.0 N	0.0 N	0.0 L	30.0000
20	ACE952	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
20	ACE954	0.0 N	0.0 N	0.0 N	50.0000	150.0000	30.0000	0.0 N	0.0 L	0.0 L	70.0000
21	ACE994	0.0 N	0.0 N	0.0 N	30.0000	100.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000
22	ACE991	0.0 N	0.0 N	0.0 N	20.0000	50.0000	70.0000	0.0 N	0.0 N	10.0000	15.0000
23	ACL943	0.0 L	0.0 N	0.0 N	0.0 L	0.0 N	30.0000	0.0 N	0.0 N	15.0000	5.0000
24	ACL944	0.0 L	0.0 N	0.0 N	5.0000	0.0 N	20.0000	0.0 N	0.0 L	10.0000	5.0000
25	ACL945	0.0 N	0.0 N	0.0 N	7.0000	0.0 N	10.0000	0.0 N	0.0 L	15.0000	0.0 L
26	ACL946	0.0 N	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	15.0000	30.0000
27	ACL947	0.0 L	0.0 N	0.0 N	30.0000	150.0000	30.0000	20.0000	0.0 N	15.0000	100.0000
28	ACL958	0.0 L	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N	0.0 N	10.0000	0.0 N
29	ACL950	0.0 L	0.0 N	0.0 N	0.0 L	0.0 N	15.0000	0.0 L	0.0 N	10.0000	0.0 L
30	ACL377	0.0 L	0.0 N	0.0 N	70.0000	500.0000	70.0000	0.0 N	0.0 L	10.0000	150.0000
30	ACL378	0.0 N	0.0 N	0.0 N	15.0000	0.0 L	5.0000	0.0 N	0.0 L	10.0000	10.0000
30	ACL379	0.0 N	0.0 N	0.0 N	15.0000	10.0000	5.0000	0.0 N	0.0 L	10.0000	7.0000
31	ACL380	0.0 N	0.0 N	0.0 N	15.0000	10.0000	15.0000	0.0 N	0.0 N	10.0000	5.0000
32	ACL381	0.0 N	0.0 N	0.0 N	15.0000	0.0 L	7.0000	0.0 N	0.0 N	10.0000	7.0000
33	ACL382	0.0 N	0.0 N	0.0 N	10.0000	0.0 L	10.0000	0.0 N	0.0 L	10.0000	7.0000
34	ACL952	0.0 N	0.0 N	0.0 N	15.0000	0.0 L	15.0000	0.0 N	0.0 N	10.0000	7.0000
34	ACL953	0.0 L	0.0 N	0.0 N	7.0000	0.0 N	10.0000	0.0 L	0.0 L	10.0000	5.0000
34	ACL954	0.0 L	0.0 N	0.0 N	5.0000	0.0 N	15.0000	0.0 L	0.0 N	15.0000	5.0000
34	ACL955	0.0 L	0.0 N	0.0 N	10.0000	5.0000	300.0000	0.0 L	150.0000	15.0000	5.0000
35	ACL383	0.0 L	0.0 N	0.0 N	15.0000	0.0 L	0.0 L	0.0 N	0.0 L	10.0000	7.0000
35	ACL384	0.0 N	0.0 N	0.0 N	70.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	50.0000

CRAIG B-3 ROCK SAMPLES

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
1	ACE923	15.0000	0.0 N	15.0000	0.0 N	0.0 L	150.0000	0.0 N	30.0000	0.0 N	300.0000
1	ACE924	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
1	ACE925	1500.0000	0.0 N	50.0000	0.0 N	0.0 N	500.0000	0.0 N	30.0000	500.0000	70.0000
1	ACE926	15.0000	0.0 N	50.0000	0.0 N	150.0000	500.0000	0.0 N	20.0000	0.0 L	70.0000
1	ACE927	20.0000	0.0 N	20.0000	0.0 N	0.0 L	300.0000	0.0 N	15.0000	0.0 N	100.0000
1	ACE928	0.0 L	0.0 N	0.0 N	0.0 N	1000.0000	50.0000	0.0 N	20.0000	0.0 N	150.0000
2	ACE859	0.0 L	0.0 N	20.0000	0.0 N	1000.0000	200.0000	0.0 N	20.0000	0.0 N	70.0000
3	ACE860	0.0 L	0.0 N	20.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	50.0000
4	ACE861	0.0 L	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	20.0000	0.0 N	50.0000
5	ACE862	10.0000	0.0 N	15.0000	0.0 N	700.0000	300.0000	0.0 N	15.0000	0.0 N	50.0000
6	ACL298	30.0000	0.0 N	10.0000	0.0 N	200.0000	70.0000	0.0 N	10.0000	0.0 L	70.0000
7	ACL297	30.0000	0.0 N	15.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000
8	ACL296	0.0 L	0.0 N	30.0000	0.0 N	1500.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
9	ACE827	10.0000	0.0 N	0.0 N	0.0 N	0.0 N	1000.0000	0.0 N	0.0 L	1500.0000	50.0000
10	ACE826	10.0000	0.0 N	15.0000	0.0 N	200.0000	1000.0000	0.0 N	20.0000	700.0000	70.0000
11	ACE825	50.0000	0.0 N	7.0000	0.0 N	0.0 L	200.0000	0.0 N	0.0 L	200.0000	50.0000
12	ACE920	70.0000	0.0 N	15.0000	0.0 N	100.0000	150.0000	0.0 N	20.0000	0.0 N	200.0000
13	ACE823	30.0000	0.0 N	30.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 N	50.0000
14	ACE822	0.0 L	0.0 N	15.0000	0.0 N	500.0000	200.0000	0.0 N	15.0000	0.0 N	70.0000
15	ACE802	0.0 N	0.0 N	30.0000	0.0 N	100.0000	100.0000	0.0 N	20.0000	0.0 N	70.0000
16	ACE801	0.0 L	0.0 N	30.0000	0.0 N	500.0000	100.0000	0.0 N	30.0000	0.0 L	100.0000
17	ACL959	15.0000	0.0 N	20.0000	0.0 N	200.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000
18	ACL960	15.0000	0.0 N	20.0000	0.0 N	0.0 L	150.0000	0.0 N	10.0000	0.0 L	70.0000
18	ACE999	0.0 L	0.0 N	5.0000	0.0 N	0.0 L	20.0000	0.0 N	10.0000	0.0 N	150.0000
18	ACE953	0.0 L	0.0 N	5.0000	0.0 N	700.0000	20.0000	0.0 N	10.0000	0.0 N	150.0000
19	ACL995	0.0 L	0.0 N	20.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
19	ACL996	0.0 N	0.0 N	15.0000	0.0 N	0.0 N	150.0000	0.0 N	0.0 L	0.0 N	50.0000
20	ACE952	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	15.0000	0.0 N	0.0 L	0.0 N	0.0 N
20	ACE954	0.0 N	0.0 N	30.0000	0.0 N	0.0 L	300.0000	0.0 N	10.0000	0.0 L	30.0000
21	ACE994	0.0 N	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	10.0000	0.0 N	0.0 N
22	ACE991	0.0 N	0.0 N	20.0000	0.0 N	0.0 L	200.0000	0.0 N	10.0000	0.0 L	30.0000
23	ACL943	0.0 L	0.0 N	10.0000	0.0 N	500.0000	100.0000	0.0 N	15.0000	0.0 L	70.0000
24	ACL944	0.0 L	0.0 N	10.0000	0.0 N	300.0000	100.0000	0.0 N	20.0000	0.0 N	100.0000
25	ACL945	50.0000	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
26	ACL946	0.0 L	0.0 N	50.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
27	ACL947	0.0 L	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 L	100.0000
28	ACL958	10.0000	0.0 N	7.0000	0.0 N	300.0000	50.0000	0.0 N	10.0000	0.0 N	30.0000
29	ACL950	0.0 L	0.0 N	10.0000	0.0 N	500.0000	100.0000	0.0 N	20.0000	0.0 L	70.0000
30	ACL377	0.0 L	0.0 N	30.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
30	ACL378	0.0 N	0.0 N	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
30	ACL379	0.0 L	0.0 N	20.0000	0.0 N	500.0000U	150.0000	0.0 N	15.0000	0.0 N	50.0000
31	ACL380	0.0 N	0.0 N	15.0000	0.0 N	0.0 0	150.0000	0.0 N	15.0000	0.0 N	70.0000
32	ACL381	0.0 N	0.0 N	10.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 N	50.0000
33	ACL382	0.0 N	0.0 N	10.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	0.0 N	50.0000
34	ACL952	0.0 L	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 N	70.0000
34	ACL953	0.0 L	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	0.0 N	70.0000
34	ACL954	0.0 L	0.0 N	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000
34	ACL955	0.0 L	0.0 N	15.0000	0.0 N	300.0000	70.0000	0.0 N	15.0000	0.0 N	70.0000
35	ACL383	0.0 N	0.0 N	15.0000	0.0 N	500.0000	150.0000	0.0 N	10.0000	0.0 N	100.0000
35	ACL384	0.0 N	0.0 N	50.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	0.0 N	30.0000

CRAIG 8-3 ROCK SAMPLES

	SAMPLE	AU PPM
1	ACE923	0.0200L
1	ACE924	0.0200L
1	ACE925	2.6000
1	ACE926	0.0200L
1	ACE927	0.0200L
1	ACE928	0.0200L
2	ACE859	0.0200L
3	ACE860	0.0200L
4	ACE861	0.0200L
5	ACE862	0.0200L
6	ACL298	0.0200L
7	ACL297	0.0200L
8	ACL296	0.0200L
9	ACE827	0.0600
10	ACE826	0.0200L
11	ACE825	0.2000
12	ACE920	0.0200L
13	ACE823	0.0400
14	ACE822	0.0200L
15	ACE802	0.0200L
16	ACE801	0.0200L
17	ACL959	0.0200L
17	ACL960	0.0200L
18	ACE999	0.0200L
18	ACE953	0.0200L
19	ACL995	0.0200L
19	ACL996	0.0200L
20	ACE952	0.0200L
20	ACE954	0.0200L
21	ACE994	0.0200L
22	ACE991	0.0200L
23	ACL943	0.0200L
24	ACL944	0.0200L
25	ACL945	0.0200L
26	ACL946	0.0200L
27	ACL947	0.0200L
28	ACL958	0.0200L
29	ACL950	0.0200L
30	ACL377	0.0200L
30	ACL378	0.0200L
30	ACL379	0.0200L
31	ACL380	0.0200L
32	ACL381	0.0200L
33	ACL382	0.0200L
34	ACL952	0.0200L
34	ACL953	0.0200L
34	ACL954	0.0200L
34	ACL955	0.0200L
35	ACL383	0.0200L
35	ACL384	0.0200L

CRAIG B-3 ROCK SAMPLES

MAP NUMBER	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
36	ACL951	7.0000	1.5000	5.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	150.0000
37	ACL385	10.0000	1.5000	1.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
38	ACL386	5.0000	2.0000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	200.0000
38	ACL387	5.0000	3.0000	2.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	100.0000
38	ACL388	7.0000	2.0000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	100.0000
38	ACL389	20.0000	0.7000	0.7000	0.1500	5000.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000
38	ACL390	15.0000	3.0000	1.5000	1.0000G	2000.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
39	ACL391	7.0000	2.0000	1.5000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
40	ACL392	15.0000	5.0000	3.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
41	ACL393	3.0000	0.7000	0.7000	0.2000	700.0000	0.0 N	0.0 N	0.0 N	15.0000	0.0 L
41	ACL394	10.0000	3.0000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
42	ACL395	3.0000	0.7000	1.5000	0.1500	700.0000	0.0 N	0.0 N	0.0 N	0.0 N	70.0000
43	ACL396	3.0000	2.0000	0.7000	0.2000	500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
44	ACL956	15.0000	1.0000	1.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N
45	ACE829	5.0000	1.0000	0.3000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
46	ACL963	15.0000	2.0000	10.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
47	ACL962	1.5000	0.0500	0.0700	0.1000	100.0000	0.0 N	0.0 N	0.0 N	0.0 N	50.0000
48	ACL961	15.0000	3.0000	0.1500	0.3000	500.0000	0.0 N	0.0 N	0.0 N	10.0000	0.0 N
49	ACL957	20.0000	5.0000	1.5000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N
50	ACL913	5.0000	7.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
51	ACL918	5.0000	7.0000	3.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
52	ACL917	7.0000	5.0000	7.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	10.0000	500.0000
53	ACE904	20.0000G	5.0000	3.0000	1.0000	1500.0000	1.5000	0.0 N	0.0 N	30.0000	300.0000
53	ACE905	15.0000	7.0000	15.0000	0.1000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
54	ACL916	15.0000	7.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
55	ACL915	15.0000	7.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
56	ACL910	10.0000	7.0000	10.0000	0.3000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
56	ACL911	7.0000	2.0000	7.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
56	ACL912	5.0000	5.0000	10.0000	0.2000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
57	ACL964	3.0000	1.0000	3.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
58	ACL965	15.0000	1.5000	0.7000	0.7000	500.0000	0.0 N	0.0 N	0.0 N	50.0000	1500.0000
58	ACL970	10.0000	5.0000	15.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	30.0000	1000.0000
59	ACL966	15.0000	3.0000	1.5000	0.7000	700.0000	0.0 N	0.0 N	0.0 N	0.0 L	100.0000
60	ACL967	15.0000	3.0000	5.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	500.0000
61	ACL968	0.3000	0.7000	20.0000G	0.0700	500.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
62	ACL969	5.0000	0.7000	0.0700	0.2000	70.0000	0.0 N	0.0 N	0.0 N	50.0000	1000.0000
63	ACE803	0.7000	0.7000	20.0000	0.0150	300.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
64	ACE804	15.0000	3.0000	7.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	3000.0000
64	ACE805	3.0000	0.3000	1.5000	0.2000	200.0000	0.0 N	0.0 N	0.0 N	30.0000	2000.0000
65	ACE903	10.0000	0.1000	20.0000G	0.0050	1500.0000	0.0 N	0.0 N	0.0 N	0.0 N	150.0000
66	ACE807	1.5000	0.0200L	0.0 L	0.0300	300.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
67	ACE808	15.0000	7.0000	7.0000	0.5000	2000.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L
68	ACE806	15.0000	3.0000	1.5000	1.0000	1000.0000	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L

CRAIG B-3 ROCK SAMPLES

	SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
36	ACL951	0.0 L	0.0 N	0.0 N	10.0000	0.0 N	15.0000	0.0 N	7.0000	15.0000	0.0 L
37	ACL385	0.0 N	0.0 N	0.0 N	20.0000	0.0 L	0.0 L	0.0 N	0.0 L	10.0000	7.0000
38	ACL386	0.0 N	0.0 N	0.0 N	15.0000	10.0000	30.0000	0.0 N	0.0 L	10.0000	5.0000
38	ACL387	0.0 N	0.0 N	0.0 N	20.0000	0.0 L	70.0000	0.0 N	0.0 L	10.0000	20.0000
38	ACL388	0.0 N	0.0 N	0.0 N	10.0000	0.0 L	7.0000	0.0 N	0.0 L	10.0000	5.0000
38	ACL389	0.0 L	0.0 N	0.0 N	70.0000	15.0000	50.0000	70.0000	10.0000	10.0000	0.0 L
38	ACL390	0.0 L	0.0 N	0.0 N	70.0000	30.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000
39	ACL391	0.0 N	0.0 N	0.0 N	30.0000	30.0000	7.0000	0.0 N	0.0 L	10.0000	50.0000
40	ACL392	0.0 N	0.0 N	0.0 N	70.0000	100.0000	15.0000	0.0 N	0.0 L	10.0000	15.0000
41	ACL393	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L	20.0000	0.0 N	0.0 N	0.0 L	30.0000
41	ACL394	0.0 N	0.0 N	0.0 N	30.0000	30.0000	0.0 L	0.0 N	0.0 L	10.0000	30.0000
42	ACL395	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L	30.0000	0.0 N	0.0 L	0.0 L
43	ACL396	0.0 N	0.0 N	0.0 N	7.0000	0.0 L	0.0 L	0.0 N	0.0 N	10.0000	0.0 L
44	ACL956	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N	50.0000	0.0 N	0.0 N	15.0000	7.0000
45	ACE829	0.0 N	0.0 N	0.0 N	10.0000	0.0 L	50.0000	0.0 N	0.0 N	0.0 L	7.0000
46	ACL963	0.0 N	0.0 N	0.0 N	7.0000	0.0 L	300.0000	0.0 L	0.0 N	10.0000	5.0000
47	ACL962	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	0.0 L	0.0 N	0.0 N	0.0 N	10.0000
48	ACL961	0.0 N	0.0 N	0.0 N	50.0000	50.0000	15.0000	0.0 N	0.0 N	15.0000	30.0000
49	ACL957	0.0 N	0.0 N	0.0 N	50.0000	0.0 L	70.0000	0.0 N	0.0 N	10.0000	15.0000
50	ACL913	0.0 N	0.0 N	0.0 N	20.0000	30.0000	50.0000	0.0 N	0.0 N	15.0000	15.0000
51	ACL918	0.0 N	0.0 N	0.0 N	15.0000	15.0000	30.0000	0.0 N	0.0 N	10.0000	15.0000
52	ACL917	1.0000	0.0 N	0.0 N	15.0000	70.0000	30.0000	0.0 L	0.0 N	15.0000	30.0000
53	ACE904	0.0 L	0.0 N	0.0 N	100.0000	70.0000	500.0000	0.0 L	0.0 L	0.0 L	70.0000
53	ACE905	0.0 N	0.0 N	0.0 N	30.0000	0.0 L	5.0000	0.0 N	0.0 N	10.0000	50.0000
54	ACL916	0.0 N	0.0 N	0.0 N	70.0000	150.0000	150.0000	0.0 N	0.0 L	15.0000	50.0000
55	ACL915	0.0 N	0.0 N	0.0 N	70.0000	30.0000	150.0000	0.0 N	0.0 L	10.0000	30.0000
56	ACL910	0.0 N	0.0 N	0.0 N	10.0000	300.0000	70.0000	0.0 N	0.0 N	15.0000	20.0000
56	ACL911	0.0 N	0.0 N	0.0 N	15.0000	70.0000	100.0000	0.0 N	0.0 N	10.0000	30.0000
56	ACL912	0.0 N	0.0 N	0.0 N	10.0000	70.0000	50.0000	0.0 N	0.0 N	10.0000	20.0000
57	ACL964	0.0 L	0.0 N	0.0 N	0.0 L	0.0 L	15.0000	0.0 N	0.0 N	0.0 L	10.0000
58	ACL965	1.5000	0.0 N	0.0 N	10.0000	15.0000	30.0000	50.0000	15.0000	15.0000	20.0000
58	ACL970	0.0 N	0.0 N	0.0 N	70.0000	700.0000	150.0000	0.0 N	0.0 N	0.0 L	150.0000
59	ACL966	0.0 N	0.0 N	0.0 N	10.0000	0.0 L	20.0000	0.0 N	0.0 N	10.0000	10.0000
60	ACL967	0.0 L	0.0 N	0.0 N	30.0000	30.0000	20.0000	300.0000	0.0 N	0.0 L	20.0000
61	ACL968	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N
62	ACL969	1.5000	0.0 N	0.0 N	0.0 L	70.0000	30.0000	0.0 N	70.0000	10.0000	30.0000
63	ACE803	0.0 N	0.0 N	0.0 N	0.0 N	10.0000	15.0000	0.0 N	0.0 N	0.0 N	0.0 L
64	ACE804	1.5000	0.0 N	0.0 N	15.0000	30.0000	15.0000	100.0000	0.0 N	15.0000	15.0000
64	ACE805	1.5000	0.0 N	0.0 N	5.0000	0.0 N	5.0000	100.0000	0.0 N	15.0000	0.0 L
65	ACE903	0.0 N	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N	0.0 N	0.0 N	0.0 L	0.0 N
66	ACE807	1.0000	0.0 N	0.0 N	5.0000	0.0 N	0.0 L	0.0 N	0.0 N	15.0000	5.0000
67	ACE808	0.0 N	0.0 N	0.0 N	70.0000	500.0000	20.0000	0.0 N	0.0 N	10.0000	150.0000
68	ACE806	0.0 L	0.0 N	0.0 N	30.0000	50.0000	30.0000	0.0 N	0.0 N	10.0000	15.0000

CRAIG B-3 ROCK SAMPLES

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
36	ACL951	0.0 L	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
37	ACL385	0.0 N	0.0 N	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 N	50.0000
38	ACL386	0.0 N	0.0 N	20.0000	0.0 N	100.0000	150.0000	0.0 N	15.0000	0.0 N	30.0000
38	ACL387	0.0 N	0.0 N	20.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	50.0000
38	ACL388	0.0 N	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	70.0000
38	ACL389	0.0 L	0.0 N	30.0000	0.0 N	100.0000	200.0000	0.0 N	70.0000	0.0 L	50.0000
38	ACL390	0.0 L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	50.0000	0.0 L	100.0000
39	ACL391	0.0 N	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	50.0000
40	ACL392	0.0 N	0.0 N	50.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	0.0 N	50.0000
41	ACL393	0.0 N	0.0 N	7.0000	0.0 N	100.0000	70.0000	0.0 N	15.0000	0.0 L	70.0000
41	ACL394	0.0 N	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	70.0000	0.0 N	70.0000
42	ACL395	0.0 N	0.0 N	5.0000	0.0 N	500.0000	70.0000	0.0 N	10.0000	0.0 N	70.0000
43	ACL396	0.0 N	0.0 N	7.0000	0.0 N	200.0000	70.0000	0.0 N	10.0000	0.0 N	70.0000
44	ACL956	10.0000	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	30.0000	0.0 N	70.0000
45	ACE829	0.0 N	0.0 N	15.0000	0.0 N	0.0 L	150.0000	0.0 N	0.0 N	0.0 N	30.0000
46	ACL963	10.0000	0.0 N	30.0000	0.0 N	300.0000	500.0000	0.0 N	20.0000	0.0 L	70.0000
47	ACL962	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	20.0000	0.0 N	0.0 N	0.0 N	0.0 L
48	ACL961	0.0 L	0.0 N	50.0000	0.0 N	0.0 N	300.0000	0.0 N	0.0 L	0.0 L	30.0000
49	ACL957	0.0 L	0.0 N	30.0000	0.0 N	0.0 L	500.0000	0.0 N	30.0000	0.0 N	70.0000
50	ACL913	0.0 N	0.0 N	30.0000	0.0 N	100.0000	200.0000	0.0 N	20.0000	0.0 L	30.0000
51	ACL918	0.0 N	0.0 N	20.0000	0.0 N	0.0 L	150.0000	0.0 N	10.0000	0.0 N	50.0000
52	ACL917	0.0 N	0.0 N	15.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	0.0 N	70.0000
53	ACE904	15.0000	0.0 N	50.0000	0.0 N	100.0000	700.0000	0.0 N	70.0000	0.0 L	70.0000
53	ACE905	0.0 N	0.0 N	30.0000	0.0 N	150.0000	50.0000	0.0 N	50.0000	0.0 N	0.0 L
54	ACL916	0.0 L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	10.0000	0.0 N	70.0000
55	ACL915	0.0 L	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
56	ACL910	0.0 L	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	10.0000	0.0 N	30.0000
56	ACL911	15.0000	0.0 N	30.0000	0.0 N	200.0000	500.0000	0.0 N	15.0000	0.0 N	70.0000
56	ACL912	10.0000	0.0 N	20.0000	0.0 N	200.0000	150.0000	0.0 N	10.0000	0.0 L	20.0000
57	ACL964	0.0 L	0.0 N	10.0000	0.0 N	300.0000	30.0000	0.0 N	15.0000	0.0 N	70.0000
58	ACL965	15.0000	0.0 N	30.0000	0.0 N	0.0 N	50.0000	0.0 N	70.0000	0.0 L	300.0000
58	ACL970	0.0 L	0.0 N	70.0000	0.0 N	150.0000	500.0000	0.0 N	20.0000	0.0 L	30.0000
59	ACL966	0.0 L	0.0 N	30.0000	0.0 N	0.0 N	150.0000	0.0 N	20.0000	300.0000	100.0000
60	ACL967	10.0000	0.0 N	15.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	0.0 N	70.0000
61	ACL968	0.0 N	0.0 N	0.0 N	0.0 N	300.0000	15.0000	0.0 N	0.0 N	0.0 N	0.0 N
62	ACL969	0.0 L	0.0 N	7.0000	0.0 N	0.0 N	300.0000	0.0 N	15.0000	0.0 N	70.0000
63	ACE803	100.0000	0.0 N	0.0 N	0.0 N	700.0000	30.0000	0.0 N	10.0000	0.0 L	0.0 L
64	ACE804	0.0 L	0.0 N	10.0000	0.0 N	300.0000	100.0000	0.0 N	50.0000	0.0 N	150.0000
64	ACE805	20.0000	0.0 N	0.0 N	0.0 N	300.0000	30.0000	0.0 N	30.0000	0.0 L	150.0000
65	ACE903	0.0 N	0.0 N	0.0 N	0.0 N	300.0000	20.0000	0.0 N	0.0 L	0.0 N	0.0 N
66	ACE807	0.0 L	0.0 N	0.0 N	0.0 N	0.0 N	15.0000	0.0 N	50.0000	0.0 L	70.0000
67	ACE808	0.0 N	0.0 N	70.0000	0.0 N	300.0000	300.0000	0.0 N	0.0 N	0.0 L	30.0000
68	ACE806	0.0 L	0.0 N	30.0000	0.0 N	100.0000	150.0000	0.0 N	30.0000	0.0 N	70.0000

CRAIG B-3 ROCK SAMPLES

	SAMPLE	AU PPM
36	ACL951	0.0200L
37	ACL385	0.0200L
38	ACL386	0.0200L
38	ACL387	0.0200L
38	ACL388	0.0200L
38	ACL389	0.0200L
38	ACL390	0.0200L
39	ACL391	0.0200L
40	ACL392	0.0200L
41	ACL393	0.0200L
41	ACL394	0.0200L
42	ACL395	0.0200L
43	ACL396	0.0200L
44	ACL956	0.0200L
45	ACE829	0.0200L
46	ACL963	0.0400
47	ACL962	0.0200L
48	ACL961	0.0200L
49	ACL957	0.0200L
50	ACL913	0.0200L
51	ACL918	0.0200L
52	ACL917	0.0200L
53	ACE904	0.0200L
54	ACE905	0.0200L
54	ACL916	0.0200L
55	ACL915	0.0200L
56	ACL910	0.0200L
56	ACL911	0.0200L
56	ACL912	0.0200L
57	ACL964	0.0200L
58	ACL965	0.0200L
58	ACL970	0.0200L
59	ACL966	0.0200L
60	ACL967	0.0200L
61	ACL968	0.0200L
62	ACL969	0.0200L
63	ACE803	0.0200L
64	ACE804	0.0200L
64	ACE805	0.0200L
65	ACE903	0.0200L
66	ACE807	0.0200L
67	ACE808	0.0200L
68	ACE806	0.0200L

FREQUENCY TABLE FOR COLUMN 1 (FE PCT)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	0	0	0.0	0.0
1.2E-01 -	1.8E-01	0	0	0.0	0.0
1.8E-01 -	2.6E-01	0	0	0.0	0.0
2.6E-01 -	3.8E-01	2	2	2.15	2.15
3.8E-01 -	5.6E-01	0	2	0.0	2.15
5.6E-01 -	8.3E-01	1	3	1.08	3.23
8.3E-01 -	1.2E 00	0	3	0.0	3.23
1.2E 00 -	1.8E 00	4	7	4.30	7.53
1.8E 00 -	2.6E 00	0	7	0.0	7.53
2.6E 00 -	3.8E 00	12	19	12.90	20.43
3.8E 00 -	5.6E 00	15	34	16.13	36.56
5.6E 00 -	8.3E 00	18	52	19.35	55.91
8.3E 00 -	1.2E 01	12	64	12.90	68.82
1.2E 01 -	1.8E 01	24	88	25.81	94.62
1.8E 01 -	2.6E 01	4	92	4.30	98.92

HISTOGRAM FOR COLUMN 1 (FE PCT)

```
3.0E-01 XX

5.0E-01

7.0E-01 X

1.0E 00

1.5E 00 XXXX

2.0E 00

3.0E 00 XXXXXXXXXXXXX

5.0E 00 XXXXXXXXXXXXXXXX

7.0E 00 XXXXXXXXXXXXXXXXXXX

1.0E 01 XXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	1	92
0.0	0.0			0.0	1.08	

MAXIMUM = 2.00000E 01

MINIMUM = 3.00000E-01

GEOMETRIC MEAN = 6.76001E 00

GEOMETRIC DEVIATION = 2.32404E 00

FREQUENCY TABLE FOR COLUMN 2 (MG PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	1	1	1.08	1.08
3.8E-02 -	5.6E-02	1	2	1.08	2.15
5.6E-02 -	8.3E-02	0	2	0.0	2.15
8.3E-02 -	1.2E-01	1	3	1.08	3.23
1.2E-01 -	1.8E-01	0	3	0.0	3.23
1.8E-01 -	2.6E-01	0	3	0.0	3.23
2.6E-01 -	3.8E-01	2	5	2.15	5.38
3.8E-01 -	5.6E-01	2	7	2.15	7.53
5.6E-01 -	8.3E-01	11	18	11.83	19.35
8.3E-01 -	1.2E 00	7	25	7.53	26.88
1.2E 00 -	1.8E 00	16	41	17.20	44.09
1.8E 00 -	2.6E 00	11	52	11.83	55.91
2.6E 00 -	3.8E 00	17	69	18.28	74.19
3.8E 00 -	5.6E 00	12	81	12.90	87.10
5.6E 00 -	8.3E 00	11	92	11.83	98.92

HISTOGRAM FOR COLUMN 2 (MG PCT)

```
3.0E-02 X

5.0E-02 X

7.0E-02

1.0E-01 X

1.5E-01

2.0E-01

3.0E-01 XX

5.0E-01 XX

7.0E-01 XXXXXXXXXXXX

1.0E 00 XXXXXXXX

1.5E 00 XXXXXXXXXXXXXXXXX

2.0E 00 XXXXXXXXXXXX

3.0E 00 XXXXXXXXXXXXXXXXXX

5.0E 00 XXXXXXXXXXXXX

7.0E 00 XXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	1	0	0	0	0	92
0.0	1.08			0.0	0.0	

MAXIMUM = 7.00000E 00

MINIMUM = 3.00000E-02

GEOMETRIC MEAN = 1.85779E 00

GEOMETRIC DEVIATION = 2.81844E 00

FREQUENCY TABLE FOR COLUMN 3 (CA PCT)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	2	2	2.15	2.15
8.3E-02 -	1.2E-01	1	3	1.08	3.23
1.2E-01 -	1.8E-01	2	5	2.15	5.38
1.8E-01 -	2.6E-01	0	5	0.0	5.38
2.6E-01 -	3.8E-01	3	8	3.23	8.60
3.8E-01 -	5.6E-01	1	9	1.08	9.68
5.6E-01 -	8.3E-01	8	17	8.60	18.28
8.3E-01 -	1.2E 00	4	21	4.30	22.58
1.2E 00 -	1.8E 00	12	33	12.90	35.48
1.8E 00 -	2.6E 00	12	45	12.90	48.39
2.6E 00 -	3.8E 00	12	57	12.90	61.29
3.8E 00 -	5.6E 00	14	71	15.05	76.34
5.6E 00 -	8.3E 00	10	81	10.75	87.10
8.3E 00 -	1.2E 01	4	85	4.30	91.40
1.2E 01 -	1.8E 01	2	87	2.15	93.55
1.8E 01 -	2.6E 01	1	88	1.08	94.62

HISTOGRAM FOR COLUMN 3 (CA PCT)

```
7.0E-02 XX

1.0E-01 X

1.5E-01 XX

2.0E-01

3.0E-01 XXX

5.0E-01 X

7.0E-01 XXXXXXXXX

1.0E 00 XXXX

1.5E 00 XXXXXXXXXXXXX

2.0E 00 XXXXXXXXXXXXX

3.0E 00 XXXXXXXXXXXXX

5.0E 00 XXXXXXXXXXXXXXX

7.0E 00 XXXXXXXXXXX

1.0E 01 XXXX

1.5E 01 XX

2.0E 01 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	3	0	0	0	2	88
0.0	3.23			0.0	2.15	

```
MAXIMUM =  2.00000E 01

MINIMUM =  7.00000E-02

GEOMETRIC MEAN =  2.15109E 00

GEOMETRIC DEVIATION =  3.26895E 00
```

FREQUENCY TABLE FOR COLUMN 4 (TI PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-03 -	2.6E-03	0	0	0.0	0.0
2.6E-03 -	3.8E-03	0	0	0.0	0.0
3.8E-03 -	5.6E-03	1	1	1.08	1.08
5.6E-03 -	8.3E-03	0	1	0.0	1.08
8.3E-03 -	1.2E-02	0	1	0.0	1.08
1.2E-02 -	1.8E-02	2	3	2.15	3.23
1.8E-02 -	2.6E-02	0	3	0.0	3.23
2.6E-02 -	3.8E-02	1	4	1.08	4.30
3.8E-02 -	5.6E-02	0	4	0.0	4.30
5.6E-02 -	8.3E-02	1	5	1.08	5.38
8.3E-02 -	1.2E-01	3	8	3.23	8.60
1.2E-01 -	1.8E-01	2	10	2.15	10.75
1.8E-01 -	2.6E-01	12	22	12.90	23.66
2.6E-01 -	3.8E-01	34	56	36.56	60.22
3.8E-01 -	5.6E-01	17	73	18.28	78.49
5.6E-01 -	8.3E-01	13	86	13.98	92.47
8.3E-01 -	1.2E 00	5	91	5.38	97.85

HISTOGRAM FOR COLUMN 4 (TI PCT)

```
5.0E-03 X

7.0E-03

1.0E-02

1.5E-02 XX

2.0E-02

3.0E-02 X

5.0E-02

7.0E-02 X

1.0E-01 XXX

1.5E-01 XX

2.0E-01 XXXXXXXXXXXXX

3.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E-01 XXXXXXXXXXXXXXXXXX

7.0E-01 XXXXXXXXXXXXXX

1.0E 00 XXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	2	91
0.0	0.0			0.0	2.15	

MAXIMUM = 1.00000E 00

MINIMUM = 5.00000E-03

GEOMETRIC MEAN = 3.07775E-01

GEOMETRIC DEVIATION = 2.41011E 00

FREQUENCY TABLE FOR COLUMN 5 (MN PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	0	0	0.0	0.0
5.6E 01 -	8.3E 01	2	2	2.15	2.15
8.3E 01 -	1.2E 02	2	4	2.15	4.30
1.2E 02 -	1.8E 02	1	5	1.08	5.38
1.8E 02 -	2.6E 02	2	7	2.15	7.53
2.6E 02 -	3.8E 02	5	12	5.38	12.90
3.8E 02 -	5.6E 02	7	19	7.53	20.43
5.6E 02 -	8.3E 02	8	27	8.60	29.03
8.3E 02 -	1.2E 03	21	48	22.58	51.61
1.2E 03 -	1.8E 03	37	85	39.78	91.40
1.8E 03 -	2.6E 03	6	91	6.45	97.85
2.6E 03 -	3.8E 03	0	91	0.0	97.85
3.8E 03 -	5.6E 03	2	93	2.15	100.00

HISTOGRAM FOR COLUMN 5 (MN PPM)

```
7.0E 01 XX

1.0E 02 XX

1.5E 02 X

2.0E 02 XX

3.0E 02 XXXXX

5.0E 02 XXXXXXXX

7.0E 02 XXXXXXXXX

1.0E 03 XXXXXXXXXXXXXXXXXXXXXX

1.5E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 03 XXXXXX

3.0E 03

5.0E 03 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	93
0.0	0.0			0.0	0.0	

MAXIMUM = 5.00000E 03

MINIMUM = 7.00000E 01

GEOMETRIC MEAN = 9.33628E 02

GEOMETRIC DEVIATION = 2.22517E 00

FREQUENCY TABLE FOR COLUMN 6 (AG PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-01 -	5.6E-01	1	1	1.08	1.08
5.6E-01 -	8.3E-01	0	1	0.0	1.08
8.3E-01 -	1.2E 00	1	2	1.08	2.15
1.2E 00 -	1.8E 00	4	6	4.30	6.45
1.8E 00 -	2.6E 00	0	6	0.0	6.45
2.6E 00 -	3.8E 00	0	6	0.0	6.45
3.8E 00 -	5.6E 00	0	6	0.0	6.45
5.6E 00 -	8.3E 00	1	7	1.08	7.53

HISTOGRAM FOR COLUMN 6 (AG PPM)

```
5.0E-01 X

7.0E-01

1.0E 00 X

1.5E 00 XXXX

2.0E 00

3.0E 00

5.0E 00

7.0E 00 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
81	5	0	0	0	0	7
87.10	5.38			0.0	0.0	

MAXIMUM = 7.00000E 00

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 1.50781E 00

GEOMETRIC DEVIATION = 2.20329E 00

FREQUENCY TABLE FOR COLUMN 7 (AS PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 02 -	2.6E 02	0	0	0.0	0.0
2.6E 02 -	3.8E 02	0	0	0.0	0.0
3.8E 02 -	5.6E 02	0	0	0.0	0.0
5.6E 02 -	8.3E 02	1	1	1.08	1.08
8.3E 02 -	1.2E 03	0	1	0.0	1.08
1.2E 03 -	1.8E 03	0	1	0.0	1.08
1.8E 03 -	2.6E 03	1	2	1.08	2.15

HISTOGRAM FOR COLUMN 7 (AS PPM)

```
7.0E 02 X

1.0E 03

1.5E 03

2.0E 03 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
91	0	0	0	0	0	2
97.85	0.0			0.0	0.0	

MAXIMUM = 2.00000E 03

MINIMUM = 7.00000E 02

GEOMETRIC MEAN = 1.18321E 03

GEOMETRIC DEVIATION = 2.10088E 00

FREQUENCY TABLE FOR COLUMN 8 (AU PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
93	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 9 (B PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	12	12	12.90	12.90
1.2E 01 -	1.8E 01	21	33	22.58	35.48
1.8E 01 -	2.6E 01	3	36	3.23	38.71
2.6E 01 -	3.8E 01	18	54	19.35	58.06
3.8E 01 -	5.6E 01	3	57	3.23	61.29
5.6E 01 -	8.3E 01	1	58	1.08	62.37
8.3E 01 -	1.2E 02	2	60	2.15	64.52
1.2E 02 -	1.8E 02	0	60	0.0	64.52
1.8E 02 -	2.6E 02	0	60	0.0	64.52
2.6E 02 -	3.8E 02	0	60	0.0	64.52
3.8E 02 -	5.6E 02	0	60	0.0	64.52
5.6E 02 -	8.3E 02	0	60	0.0	64.52
8.3E 02 -	1.2E 03	0	60	0.0	64.52
1.2E 03 -	1.8E 03	0	60	0.0	64.52
1.8E 03 -	2.6E 03	1	61	1.08	65.59

HISTOGRAM FOR COLUMN 9 (B PPM)

```
1.0E 01 XXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXX

3.0E 01 XXXXXXXXXXXXXXXXXXX

5.0E 01 XXX

7.0E 01 X

1.0E 02 XX

1.5E 02

2.0E 02

3.0E 02

5.0E 02

7.0E 02

1.0E 03

1.5E 03

2.0E 03 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
8	24	0	0	0	0	61
8.60	25.81			0.0	0.0	

MAXIMUM = 2.00000E 03

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.16245E 01

GEOMETRIC DEVIATION = 2.27572E 00

FREQUENCY TABLE FOR COLUMN 10 (BA PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	1	1	1.08	1.08
5.6E 01 -	8.3E 01	2	3	2.15	3.23
8.3E 01 -	1.2E 02	5	8	5.38	8.60
1.2E 02 -	1.8E 02	28	36	30.11	38.71
1.8E 02 -	2.6E 02	4	40	4.30	43.01
2.6E 02 -	3.8E 02	15	55	16.13	59.14
3.8E 02 -	5.6E 02	6	61	6.45	65.59
5.6E 02 -	8.3E 02	8	69	8.60	74.19
8.3E 02 -	1.2E 03	3	72	3.23	77.42
1.2E 03 -	1.8E 03	2	74	2.15	79.57
1.8E 03 -	2.6E 03	1	75	1.08	80.65
2.6E 03 -	3.8E 03	1	76	1.08	81.72

HISTOGRAM FOR COLUMN 10 (BA PPM)

```
5.0E 01 X

7.0E 01 XX

1.0E 02 XXXXX

1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 02 XXXX

3.0E 02 XXXXXXXXXXXXXXX

5.0E 02 XXXXXX

7.0E 02 XXXXXXXXX

1.0E 03 XXX

1.5E 03 XX

2.0E 03 X

3.0E 03 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
3	14	0	0	0	0	76
3.23	15.05			0.0	0.0	

MAXIMUM = 3.00000E 03

MINIMUM = 5.00000E 01

GEOMETRIC MEAN = 2.61795E 02

GEOMETRIC DEVIATION = 2.29797E 00

FREQUENCY TABLE FOR COLUMN 11 (BE PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E-01 -	1.2E 00	3	3	3.23	3.23
1.2E 00 -	1.8E 00	6	9	6.45	9.68
1.8E 00 -	2.6E 00	1	10	1.08	10.75

HISTOGRAM FOR COLUMN 11 (BE PPM)

```
1.0E 00 XXX

1.5E 00 XXXXXX

2.0E 00 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
51	32	0	0	0	0	10
54.84	34.41			0.0	0.0	

MAXIMUM = 2.00000E 00

MINIMUM = 1.00000E 00

GEOMETRIC MEAN = 1.36697E 00

GEOMETRIC DEVIATION = 1.26272E 00

FREQUENCY TABLE FOR COLUMN 12 (BI PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	1	1	1.08	1.08

HISTOGRAM FOR COLUMN 12 (BI PPM)

3.0E 01 X

N	L	H	B	T	G	ANALYTICAL VALUES
92	0	0	0	0	0	1
98.92	0.0			0.0	0.0	

MAXIMUM = 3.00000E 01

MINIMUM = 3.00000E 01

GEOMETRIC MEAN = 3.00000E 01

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 13 (CD PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
93	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 14 (CO PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	5	5	5.38	5.38
5.6E 00 -	8.3E 00	4	9	4.30	9.68
8.3E 00 -	1.2E 01	16	25	17.20	26.88
1.2E 01 -	1.8E 01	15	40	16.13	43.01
1.8E 01 -	2.6E 01	10	50	10.75	53.76
2.6E 01 -	3.8E 01	8	58	8.60	62.37
3.8E 01 -	5.6E 01	4	62	4.30	66.67
5.6E 01 -	8.3E 01	12	74	12.90	79.57
8.3E 01 -	1.2E 02	1	75	1.08	80.65

HISTOGRAM FOR COLUMN 14 (CO PPM)

```
5.0E 00 XXXXX

7.0E 00 XXXX

1.0E 01 XXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXX

3.0E 01 XXXXXXXXX

5.0E 01 XXXX

7.0E 01 XXXXXXXXXXXX

1.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
11	7	0	0	0	0	75
11.83	7.53			0.0	0.0	

MAXIMUM = 1.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.92193E 01

GEOMETRIC DEVIATION = 2.25496E 00

FREQUENCY TABLE FOR COLUMN 15 (CR PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	2	2	2.15	2.15
5.6E 00 -	8.3E 00	0	2	0.0	2.15
8.3E 00 -	1.2E 01	6	8	6.45	8.60
1.2E 01 -	1.8E 01	5	13	5.38	13.98
1.8E 01 -	2.6E 01	2	15	2.15	16.13
2.6E 01 -	3.8E 01	12	27	12.90	29.03
3.8E 01 -	5.6E 01	4	31	4.30	33.33
5.6E 01 -	8.3E 01	9	40	9.68	43.01
8.3E 01 -	1.2E 02	2	42	2.15	45.16
1.2E 02 -	1.8E 02	7	49	7.53	52.69
1.8E 02 -	2.6E 02	0	49	0.0	52.69
2.6E 02 -	3.8E 02	1	50	1.08	53.76
3.8E 02 -	5.6E 02	3	53	3.23	56.99
5.6E 02 -	8.3E 02	1	54	1.08	58.06

HISTOGRAM FOR COLUMN 15 (CR PPM)

```
5.0E 00 XX

7.0E 00

1.0E 01 XXXXXX

1.5E 01 XXXXX

2.0E 01 XX

3.0E 01 XXXXXXXXXXXX

5.0E 01 XXXX

7.0E 01 XXXXXXXXXX

1.0E 02 XX

1.5E 02 XXXXXXXX

2.0E 02

3.0E 02 X

5.0E 02 XXX

7.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
14	25	0	0	0	0	54
15.05	26.88			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 4.57460E 01

GEOMETRIC DEVIATION = 3.26719E 00

FREQUENCY TABLE FOR COLUMN 16 (CU PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	4	4	4.30	4.30
5.6E 00 -	8.3E 00	3	7	3.23	7.53
8.3E 00 -	1.2E 01	3	10	3.23	10.75
1.2E 01 -	1.8E 01	10	20	10.75	21.51
1.8E 01 -	2.6E 01	7	27	7.53	29.03
2.6E 01 -	3.8E 01	18	45	19.35	48.39
3.8E 01 -	5.6E 01	11	56	11.83	60.22
5.6E 01 -	8.3E 01	11	67	11.83	72.04
8.3E 01 -	1.2E 02	2	69	2.15	74.19
1.2E 02 -	1.8E 02	5	74	5.38	79.57
1.8E 02 -	2.6E 02	1	75	1.08	80.65
2.6E 02 -	3.8E 02	4	79	4.30	84.95
3.8E 02 -	5.6E 02	1	80	1.08	86.02

HISTOGRAM FOR COLUMN 16 (CU PPM)

```
5.0E 00 XXXX

7.0E 00 XXX

1.0E 01 XXX

1.5E 01 XXXXXXXXXXX

2.0E 01 XXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXXXXXX

7.0E 01 XXXXXXXXXXXX

1.0E 02 XX

1.5E 02 XXXXX

2.0E 02 X

3.0E 02 XXXX

5.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
3	10	0	0	0	0	80
3.23	10.75			0.0	0.0	

MAXIMUM = 5.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 3.60585E 01

GEOMETRIC DEVIATION = 2.82858E 00

FREQUENCY TABLE FOR COLUMN 17 (LA PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	4	4	4.30	4.30
2.6E 01 -	3.8E 01	2	6	2.15	6.45
3.8E 01 -	5.6E 01	1	7	1.08	7.53
5.6E 01 -	8.3E 01	1	8	1.08	8.60
8.3E 01 -	1.2E 02	2	10	2.15	10.75
1.2E 02 -	1.8E 02	0	10	0.0	10.75
1.8E 02 -	2.6E 02	0	10	0.0	10.75
2.6E 02 -	3.8E 02	1	11	1.08	11.83

HISTOGRAM FOR COLUMN 17 (LA PPM)

```
2.0E 01 XXXX

3.0E 01 XX

5.0E 01 X

7.0E 01 X

1.0E 02 XX

1.5E 02

2.0E 02

3.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
63	19	0	0	0	0	11
67.74	20.43			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 4.49452E 01

GEOMETRIC DEVIATION = 2.45139E 00

FREQUENCY TABLE FOR COLUMN 18 (MO PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	2	2	2.15	2.15
5.6E 00 -	8.3E 00	2	4	2.15	4.30
8.3E 00 -	1.2E 01	1	5	1.08	5.38
1.2E 01 -	1.8E 01	3	8	3.23	8.60
1.8E 01 -	2.6E 01	1	9	1.08	9.68
2.6E 01 -	3.8E 01	0	9	0.0	9.68
3.8E 01 -	5.6E 01	1	10	1.08	10.75
5.6E 01 -	8.3E 01	1	11	1.08	11.83
8.3E 01 -	1.2E 02	0	11	0.0	11.83
1.2E 02 -	1.8E 02	1	12	1.08	12.90

HISTOGRAM FOR COLUMN 18 (MO PPM)

```
5.0E 00 XX

7.0E 00 XX

1.0E 01 X

1.5E 01 XXX

2.0E 01 X

3.0E 01

5.0E 01 X

7.0E 01 X

1.0E 02

1.5E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
54	27	0	0	0	0	12
58.06	29.03			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.65882E 01

GEOMETRIC DEVIATION = 2.94408E 00

FREQUENCY TABLE FOR COLUMN 19 (NB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	49	49	52.69	52.69
1.2E 01 -	1.8E 01	20	69	21.51	74.19
1.8E 01 -	2.6E 01	1	70	1.08	75.27

HISTOGRAM FOR COLUMN 19 (NB PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXX

2.0E 01 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
3	20	0	0	0	0	70
3.23	21.51			0.0	0.0	

MAXIMUM = 2.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.13397E 01

GEOMETRIC DEVIATION = 1.21715E 00

FREQUENCY TABLE FOR COLUMN 20 (NI PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	12	12	12.90	12.90
5.6E 00 -	8.3E 00	10	22	10.75	23.66
8.3E 00 -	1.2E 01	8	30	8.60	32.26
1.2E 01 -	1.8E 01	12	42	12.90	45.16
1.8E 01 -	2.6E 01	7	49	7.53	52.69
2.6E 01 -	3.8E 01	14	63	15.05	67.74
3.8E 01 -	5.6E 01	5	68	5.38	73.12
5.6E 01 -	8.3E 01	6	74	6.45	79.57
8.3E 01 -	1.2E 02	2	76	2.15	81.72
1.2E 02 -	1.8E 02	3	79	3.23	84.95
1.8E 02 -	2.6E 02	1	80	1.08	86.02

HISTOGRAM FOR COLUMN 20 (NI PPM)

```
5.0E 00 XXXXXXXXXXXXX

7.0E 00 XXXXXXXXXXX

1.0E 01 XXXXXXXXX

1.5E 01 XXXXXXXXXXXXX

2.0E 01 XXXXXXXX

3.0E 01 XXXXXXXXXXXXXXX

5.0E 01 XXXXX

7.0E 01 XXXXXX

1.0E 02 XX

1.5E 02 XXX

2.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
3	10	0	0	0	0	80
3.23	10.75			0.0	0.0	

MAXIMUM = 2.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.83721E 01

GEOMETRIC DEVIATION = 2.68260E 00

FREQUENCY TABLE FOR COLUMN 21 (PB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	8	8	8.60	8.60
1.2E 01 -	1.8E 01	8	16	8.60	17.20
1.8E 01 -	2.6E 01	2	18	2.15	19.35
2.6E 01 -	3.8E 01	3	21	3.23	22.58
3.8E 01 -	5.6E 01	2	23	2.15	24.73
5.6E 01 -	8.3E 01	1	24	1.08	25.81
8.3E 01 -	1.2E 02	1	25	1.08	26.88
1.2E 02 -	1.8E 02	0	25	0.0	26.88
1.8E 02 -	2.6E 02	0	25	0.0	26.88
2.6E 02 -	3.8E 02	0	25	0.0	26.88
3.8E 02 -	5.6E 02	0	25	0.0	26.88
5.6E 02 -	8.3E 02	0	25	0.0	26.88
8.3E 02 -	1.2E 03	0	25	0.0	26.88
1.2E 03 -	1.8E 03	1	26	1.08	27.96

HISTOGRAM FOR COLUMN 21 (PB PPM)

```
1.0E 01 XXXXXXXXX

1.5E 01 XXXXXXXXX

2.0E 01 XX

3.0E 01 XXX

5.0E 01 XX

7.0E 01 X

1.0E 02 X

1.5E 02

2.0E 02

3.0E 02

5.0E 02

7.0E 02

1.0E 03

1.5E 03 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
31	36	0	0	0	0	26
33.33	38.71			0.0	0.0	

MAXIMUM = 1.50000E 03

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.19186E 01

GEOMETRIC DEVIATION = 2.95019E 00

FREQUENCY TABLE FOR COLUMN 22 (SB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	
N	L	H	B	T	G	ANALYTICAL VALUES
93	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 23 (SC PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	3	3	3.23	3.23
5.6E 00 -	8.3E 00	5	8	5.38	8.60
8.3E 00 -	1.2E 01	8	16	8.60	17.20
1.2E 01 -	1.8E 01	22	38	23.66	40.86
1.8E 01 -	2.6E 01	12	50	12.90	53.76
2.6E 01 -	3.8E 01	25	75	26.88	80.65
3.8E 01 -	5.6E 01	7	82	7.53	88.17
5.6E 01 -	8.3E 01	2	84	2.15	90.32

HISTOGRAM FOR COLUMN 23 (SC PPM)

```
5.0E 00 XXX

7.0E 00 XXXXX

1.0E 01 XXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXX

7.0E 01 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
9	0	0	0	0	0	84
9.68	0.0			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.94766E 01

GEOMETRIC DEVIATION = 1.82454E 00

FREQUENCY TABLE FOR COLUMN 24 (SN PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
93	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 25 (SR PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 01 -	1.2E 02	11	11	12.09	12.09
1.2E 02 -	1.8E 02	6	17	6.59	18.68
1.8E 02 -	2.6E 02	9	26	9.89	28.57
2.6E 02 -	3.8E 02	28	54	30.77	59.34
3.8E 02 -	5.6E 02	10	64	10.99	70.33
5.6E 02 -	8.3E 02	4	68	4.40	74.73
8.3E 02 -	1.2E 03	2	70	2.20	76.92
1.2E 03 -	1.8E 03	1	71	1.10	78.02

HISTOGRAM FOR COLUMN 25 (SR PPM)

```
1.0E 02 XXXXXXXXXXXX

1.5E 02 XXXXXXX

2.0E 02 XXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXXXXXXXXXX

7.0E 02 XXXX

1.0E 03 XX

1.5E 03 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
9	11	0	0	0	0	71
9.89	12.09			0.0	0.0	

MAXIMUM = 1.50000E 03

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 2.70386E 02

GEOMETRIC DEVIATION = 1.87881E 00

FREQUENCY TABLE FOR COLUMN 26 (V PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	3	3	3.23	3.23
1.8E 01 -	2.6E 01	4	7	4.30	7.53
2.6E 01 -	3.8E 01	3	10	3.23	10.75
3.8E 01 -	5.6E 01	4	14	4.30	15.05
5.6E 01 -	8.3E 01	5	19	5.38	20.43
8.3E 01 -	1.2E 02	8	27	8.60	29.03
1.2E 02 -	1.8E 02	28	55	30.11	59.14
1.8E 02 -	2.6E 02	9	64	9.68	68.82
2.6E 02 -	3.8E 02	20	84	21.51	90.32
3.8E 02 -	5.6E 02	6	90	6.45	96.77
5.6E 02 -	8.3E 02	1	91	1.08	97.85
8.3E 02 -	1.2E 03	2	93	2.15	100.00

HISTOGRAM FOR COLUMN 26 (V PPM)

```
1.5E 01 XXX

2.0E 01 XXXX

3.0E 01 XXX

5.0E 01 XXXX

7.0E 01 XXXXX

1.0E 02 XXXXXXXXX

1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 02 XXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXXXXX

7.0E 02 X

1.0E 03 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	93
0.0	0.0			0.0	0.0	

MAXIMUM = 1.00000E 03

MINIMUM = 1.50000E 01

GEOMETRIC MEAN = 1.46438E 02

GEOMETRIC DEVIATION = 2.50424E 00

FREQUENCY TABLE FOR COLUMN 27 (W PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
93	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 28 (Y PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	19	19	20.43	20.43
1.2E 01 -	1.8E 01	29	48	31.18	51.61
1.8E 01 -	2.6E 01	17	65	18.28	69.89
2.6E 01 -	3.8E 01	10	75	10.75	80.65
3.8E 01 -	5.6E 01	4	79	4.30	84.95
5.6E 01 -	8.3E 01	4	83	4.30	89.25

HISTOGRAM FOR COLUMN 28 (Y PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXX

5.0E 01 XXXX

7.0E 01 XXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
4	6	0	0	0	0	83
4.30	6.45			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.79917E 01

GEOMETRIC DEVIATION = 1.67630E 00

FREQUENCY TABLE FOR COLUMN 29 (ZN PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 02 -	2.6E 02	1	1	1.08	1.08
2.6E 02 -	3.8E 02	1	2	1.08	2.15
3.8E 02 -	5.6E 02	1	3	1.08	3.23
5.6E 02 -	8.3E 02	1	4	1.08	4.30
8.3E 02 -	1.2E 03	0	4	0.0	4.30
1.2E 03 -	1.8E 03	1	5	1.08	5.38

HISTOGRAM FOR COLUMN 29 (ZN PPM)

```
2.0E 02 X

3.0E 02 X

5.0E 02 X

7.0E 02 X

1.0E 03

1.5E 03 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
50	38	0	0	0	0	5
53.76	40.86			0.0	0.0	

MAXIMUM = 1.50000E 03

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 5.00796E 02

GEOMETRIC DEVIATION = 2.17691E 00

FREQUENCY TABLE FOR COLUMN 30 (ZR PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	1	1	1.08	1.08
2.6E 01 -	3.8E 01	11	12	11.83	12.90
3.8E 01 -	5.6E 01	16	28	17.20	30.11
5.6E 01 -	8.3E 01	43	71	46.24	76.34
8.3E 01 -	1.2E 02	7	78	7.53	83.87
1.2E 02 -	1.8E 02	5	83	5.38	89.25
1.8E 02 -	2.6E 02	1	84	1.08	90.32
2.6E 02 -	3.8E 02	2	86	2.15	92.47

HISTOGRAM FOR COLUMN 30 (ZR PPM)

```
2.0E 01 X

3.0E 01 XXXXXXXXXXXX

5.0E 01 XXXXXXXXXXXXXXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXXXXXX

1.5E 02 XXXXX

2.0E 02 X

3.0E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
4	3	0	0	0	0	86
4.30	3.23			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 6.55183E 01

GEOMETRIC DEVIATION = 1.62504E 00

FREQUENCY TABLE FOR COLUMN 31 (AU PPM)

LIMITS LOWER -	UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	0	0	0.0	0.0
3.8E-02 -	5.6E-02	2	2	2.15	2.15
5.6E-02 -	8.3E-02	1	3	1.08	3.23
8.3E-02 -	1.2E-01	0	3	0.0	3.23
1.2E-01 -	1.8E-01	0	3	0.0	3.23
1.8E-01 -	2.6E-01	1	4	1.08	4.30
2.6E-01 -	3.8E-01	0	4	0.0	4.30
3.8E-01 -	5.6E-01	0	4	0.0	4.30
5.6E-01 -	8.3E-01	0	4	0.0	4.30
8.3E-01 -	1.2E 00	0	4	0.0	4.30
1.2E 00 -	1.8E 00	0	4	0.0	4.30
1.8E 00 -	2.6E 00	1	5	1.08	5.38

HISTOGRAM FOR COLUMN 31 (AU PPM)

```
5.0E-02 XX

7.0E-02 X

1.0E-01

1.5E-01

2.0E-01 X

3.0E-01

5.0E-01

7.0E-01

1.0E 00

1.5E 00

2.0E 00 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	88	0	0	0	0	5
0.0	94.62			0.0	0.0	

MAXIMUM = 2.60000E 00

MINIMUM = 4.00000E-02

GEOMETRIC MEAN = 1.37929E-01

GEOMETRIC DEVIATION = 5.86551E 00

4470 STATISTICAL SUMMARY DATE 4/24/70

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
FE PCT	0	0	0	0	0	1	92
MG PCT	0	1	0	0	0	0	92
CA PCT	0	3	0	0	0	2	88
TI PCT	0	0	0	0	0	2	91
MN PPM	0	0	0	0	0	0	93
AG PPM	81	5	0	0	0	0	7
AS PPM	91	0	0	0	0	0	2
AU PPM	93	0	0	0	0	0	0
B PPM	8	24	0	0	0	0	61
BA PPM	3	14	0	0	0	0	76
BE PPM	51	32	0	0	0	0	10
BI PPM	92	0	0	0	0	0	1
CD PPM	93	0	0	0	0	0	0
CO PPM	11	7	0	0	0	0	75
CR PPM	14	25	0	0	0	0	54
CU PPM	3	10	0	0	0	0	80
LA PPM	63	19	0	0	0	0	11
MO PPM	54	27	0	0	0	0	12
NB PPM	3	20	0	0	0	0	70
NI PPM	3	10	0	0	0	0	80
PB PPM	31	36	0	0	0	0	26
SB PPM	93	0	0	0	0	0	0
SC PPM	9	0	0	0	0	0	84
SN PPM	93	0	0	0	0	0	0
SR PPM	9	11	0	0	0	0	71
V PPM	0	0	0	0	0	0	93
W PPM	93	0	0	0	0	0	0
Y PPM	4	6	0	0	0	0	83
ZN PPM	50	38	0	0	0	0	5
ZR PPM	4	3	0	0	0	0	86
AU PPM	0	88	0	0	0	0	5

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS
FE PCT	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.
MG PCT	1.762253	3.15	1 NOT DETECTED, LESS THAN, OR TRACE VALUES. 92 REPORTED VALUES.
CA PCT	********	******	2 GREATER THAN VALUES. NO COMPUTATIONS.
TI PCT	********	******	2 GREATER THAN VALUES. NO COMPUTATIONS.
MN PPM	933.626221	2.23	93 SAMPLES AND 93 ANALYTICAL VALUES.
AG PPM	********	******	86 NOT DETECTED, LESS THAN, OR TRACE VALUES. 7 REPORTED VALUES. NO COMPUTATIONS.
AS PPM	********	******	91 NOT DETECTED, LESS THAN, OR TRACE VALUES. 2 REPORTED VALUES. NO COMPUTATIONS.
AU PPM	********	******	93 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
B PPM	11.898528	3.06	32 NOT DETECTED, LESS THAN, OR TRACE VALUES. 61 REPORTED VALUES.
BA PPM	140.330215	4.66	17 NOT DETECTED, LESS THAN, OR TRACE VALUES. 76 REPORTED VALUES.
BE PPM	0.254984	2.58	83 NOT DETECTED, LESS THAN, OR TRACE VALUES. 10 REPORTED VALUES.
BI PPM	********	******	92 NOT DETECTED, LESS THAN, OR TRACE VALUES. 1 REPORTED VALUES. NO COMPUTATIONS.
CD PPM	********	******	93 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
CO PPM	12.499482	3.20	18 NOT DETECTED, LESS THAN, OR TRACE VALUES. 75 REPORTED VALUES.
CR PPM	8.033689	10.92	39 NOT DETECTED, LESS THAN, OR TRACE VALUES. 54 REPORTED VALUES.
CU PPM	23.999481	4.10	13 NOT DETECTED, LESS THAN, OR TRACE VALUES. 80 REPORTED VALUES.
LA PPM	1.629546	7.17	82 NOT DETECTED, LESS THAN, OR TRACE VALUES. 11 REPORTED VALUES.
MO PPM	0.139353	17.43	81 NOT DETECTED, LESS THAN, OR TRACE VALUES. 12 REPORTED VALUES.
NB PPM	10.071567	1.32	23 NOT DETECTED, LESS THAN, OR TRACE VALUES. 70 REPORTED VALUES.
NI PPM	13.518230	3.34	13 NOT DETECTED, LESS THAN, OR TRACE VALUES. 80 REPORTED VALUES.
PB PPM	********	******	67 NOT DETECTED, LESS THAN, OR TRACE VALUES. 26 REPORTED VALUES. NO COMPUTATIONS.

SB PPM	********	******	93 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
SC PPM	16.118210	2.27	9 NOT DETECTED, LESS THAN, OR TRACE VALUES.	84 REPORTED VALUES.	
SN PPM	********	******	93 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
SR PPM	188.191696	2.48	20 NOT DETECTED, LESS THAN, OR TRACE VALUES.	73 REPORTED VALUES.	
V PPM	146.437256	2.50	93 SAMPLES AND 93 ANALYTICAL VALUES.		
W PPM	********	******	93 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
Y PPM	16.013885	1.82	10 NOT DETECTED, LESS THAN, OR TRACE VALUES.	83 REPORTED VALUES.	
ZN PPM	********	******	88 NOT DETECTED, LESS THAN, OR TRACE VALUES.	5 REPORTED VALUES.	NO COMPUTATIONS.
ZR PPM	54.999878	2.17	7 NOT DETECTED, LESS THAN, OR TRACE VALUES.	86 REPORTED VALUES.	
AU PPM	********	******	88 NOT DETECTED, LESS THAN, OR TRACE VALUES.	5 REPORTED VALUES.	NO COMPUTATIONS.

TABLE 3 CRAIG B-3 STREAM SEDIMENTS

MAP NUMBER	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
69	ACE918	7.0000	1.5000	0.7000	0.5000	1500.0000	1.5000	0.0 N	0.0 N	30.0000	700.0000
70	ACE820	10.0000	0.7000	0.7000	0.3000	3000.0000	3.0000	0.0 N	0.0 N	50.0000	700.0000
71	ACE818	10.0000	5.0000	1.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	30.0000	300.0000
72	ACE819	1.5000	0.5000	0.7000	0.0700	700.0000	0.0 N	0.0 N	0.0 N	30.0000	0.0 L
73	ACE817	5.0000	1.5000	0.7000	0.7000	700.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
74	ACE816	5.0000	1.5000	0.7000	0.3000	1000.0000	0.0 L	0.0 N	0.0 N	30.0000	700.0000
75	ACE815	15.0000	3.0000	0.7000	0.7000	1500.0000	0.7000	0.0 N	0.0 N	30.0000	1000.0000
76	ACE814	10.0000	2.0000	0.7000	0.3000	1500.0000	0.0 L	0.0 N	0.0 N	30.0000	700.0000
77	ACE813	3.0000	1.0000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
78	ACE812	1.5000	0.7000	0.5000	0.5000	150.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
79	ACE912	5.0000	1.5000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
80	ACL991	15.0000	3.0000	0.7000	0.7000	3000.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
81	ACL990	10.0000	3.0000	0.7000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
82	ACL848	10.0000	3.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
83	ACE821	10.0000	3.0000	0.7000	0.5000	2000.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
84	ACE810	3.0000	3.0000	0.7000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
85	ACE811	7.0000	3.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	500.0000
86	ACE907	7.0000	1.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
87	ACE906	15.0000	2.0000	0.7000	0.7000	3000.0000	0.7000	0.0 N	0.0 N	50.0000	300.0000
88	ACL987	15.0000	5.0000	1.5000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	20.0000	700.0000
89	ACL439	5.0000	2.0000	0.5000	0.5000	1000.0000	0.0 N	0.0 N	0.0 N	30.0000	500.0000
90	ACL440	15.0000	2.0000	0.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
91	ACE917	15.0000	5.0000	2.0000	0.7000	5000.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
92	ACE916	10.0000	2.0000	1.0000	0.5000	5000.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000
93	ACE915	15.0000	3.0000	1.5000	0.5000	1500.0000	0.0 L	0.0 N	0.0 N	50.0000	300.0000
94	ACL978	10.0000	3.0000	1.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
95	ACL847	10.0000	3.0000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	500.0000
96	ACE830	15.0000	1.5000	1.5000	0.3000	5000.0000G	0.0 N	0.0 N	0.0 N	15.0000	150.0000
97	ACE831	15.0000	3.0000	1.5000	0.7000	5000.0000G	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
98	ACE914	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	50.0000	300.0000
99	ACL843	7.0000	1.0000	1.5000	0.3000	3000.0000	0.0 N	0.0 N	0.0 N	30.0000	150.0000
100	ACL846	15.0000	3.0000	0.7000	0.7000	3000.0000	0.0 N	0.0 N	0.0 N	50.0000	700.0000
101	ACL845	15.0000	3.0000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	50.0000	700.0000
102	ACL999	15.0000	3.0000	0.7000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	50.0000	1500.0000
103	ACL842	15.0000	5.0000	1.5000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
104	ACL983	7.0000	3.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	200.0000
105	ACL982	15.0000	3.0000	2.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
106	ACL986	15.0000	5.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	700.0000
107	ACL989	15.0000	5.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	1000.0000
108	ACL979	15.0000	3.0000	1.5000	0.7000	3000.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000
109	ACE998	10.0000	1.0000	0.7000	0.3000	5000.0000G	0.0 N	0.0 N	0.0 N	0.0 L	700.0000
110	ACE951	15.0000	3.0000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	200.0000
111	ACL831	15.0000	3.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	150.0000
112	ACL838	15.0000	3.0000	2.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	20.0000	700.0000
113	ACL839	10.0000	3.0000	0.7000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	15.0000	700.0000
114	ACL446	7.0000	3.0000	1.5000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
115	ACL445	5.0000	2.0000	1.5000	0.7000	5000.0000	0.0 N	0.0 N	0.0 N	15.0000	200.0000
116	ACL984	10.0000	1.5000	0.5000	0.5000	2000.0000	0.0 L	0.0 N	0.0 N	50.0000	700.0000
117	ACL985	7.0000	2.0000	0.5000	0.5000	1000.0000	0.0 L	0.0 N	0.0 N	30.0000	700.0000
118	ACE834	10.0000	2.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000

CRAIG B-3 STREAM SEDIMENTS

	SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
69	ACE918	0.0 L	0.0 N	0.0 N	30.0000	70.0000	100.0000	0.0 N	0.0 N	10.0000	50.0000
70	ACE820	1.0000	0.0 N	70.0000	50.0000	100.0000	150.0000	0.0 L	15.0000	10.0000	150.0000
71	ACE818	0.0 L	0.0 N	0.0 N	50.0000	150.0000	150.0000	0.0 N	0.0 N	10.0000	70.0000
72	ACE819	0.0 L	0.0 N	0.0 N	20.0000	50.0000	30.0000	0.0 L	0.0 N	0.0 L	10.0000
73	ACE817	0.0 L	0.0 N	0.0 N	10.0000	30.0000	30.0000	0.0 L	0.0 L	10.0000	20.0000
74	ACE816	1.0000	0.0 N	0.0 N	20.0000	150.0000	70.0000	0.0 L	7.0000	0.0 L	30.0000
75	ACE815	0.0 L	0.0 N	0.0 N	50.0000	100.0000	150.0000	20.0000	7.0000	0.0 L	100.0000
76	ACE814	0.0 L	0.0 N	0.0 N	30.0000	70.0000	70.0000	0.0 N	7.0000	0.0 L	50.0000
77	ACE813	0.0 L	0.0 N	0.0 N	15.0000	30.0000	30.0000	0.0 L	0.0 L	0.0 L	20.0000
78	ACE812	0.0 L	0.0 N	0.0 N	0.0 N	70.0000	30.0000	0.0 N	0.0 N	0.0 L	15.0000
79	ACE912	0.0 L	0.0 N	0.0 N	15.0000	50.0000	15.0000	0.0 L	7.0000	10.0000	30.0000
80	ACL991	0.0 L	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 L	7.0000	15.0000	50.0000
81	ACL990	0.0 L	0.0 N	0.0 N	15.0000	70.0000	20.0000	0.0 N	0.0 N	10.0000	30.0000
82	ACL848	0.0 L	0.0 N	0.0 N	20.0000	70.0000	50.0000	0.0 L	0.0 N	0.0 L	30.0000
83	ACE821	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	30.0000
84	ACE810	0.0 L	0.0 N	0.0 N	15.0000	30.0000	30.0000	0.0 L	0.0 N	0.0 L	20.0000
85	ACE811	0.0 L	0.0 N	0.0 N	20.0000	30.0000	70.0000	0.0 N	7.0000	0.0 L	20.0000
86	ACE907	1.5000	0.0 N	0.0 N	30.0000	50.0000	50.0000	20.0000	0.0 L	10.0000	30.0000
87	ACE906	0.0 L	0.0 N	0.0 N	30.0000	150.0000	100.0000	20.0000	5.0000	10.0000	50.0000
88	ACL987	0.0 L	0.0 N	0.0 N	30.0000	200.0000	30.0000	0.0 N	0.0 N	10.0000	70.0000
89	ACL439	0.0 L	0.0 N	0.0 N	15.0000	70.0000	30.0000	0.0 N	0.0 L	15.0000	30.0000
90	ACL440	0.0 N	0.0 N	0.0 N	30.0000	150.0000	20.0000	0.0 N	0.0 L	15.0000	30.0000
91	ACE917	1.5000	0.0 N	0.0 N	70.0000	200.0000	30.0000	150.0000	0.0 N	20.0000	100.0000
92	ACE916	0.0 L	0.0 N	0.0 N	50.0000	70.0000	70.0000	0.0 N	0.0 N	15.0000	30.0000
93	ACE915	0.0 N	0.0 N	0.0 N	50.0000	150.0000	50.0000	0.0 N	0.0 L	15.0000	50.0000
94	ACL978	0.0 N	0.0 N	0.0 N	20.0000	70.0000	30.0000	0.0 L	0.0 N	0.0 L	30.0000
95	ACL847	0.0 L	0.0 N	0.0 N	15.0000	50.0000	50.0000	0.0 L	0.0 N	0.0 L	30.0000
96	ACE830	0.0 L	0.0 N	0.0 N	70.0000	150.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000
97	ACE831	0.0 L	0.0 N	0.0 N	70.0000	150.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
98	ACE914	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	15.0000	70.0000
99	ACL843	0.0 L	0.0 N	0.0 N	30.0000	50.0000	70.0000	0.0 L	0.0 L	10.0000	30.0000
100	ACL846	0.0 L	0.0 N	0.0 N	30.0000	70.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000
101	ACL845	0.0 L	0.0 N	0.0 N	15.0000	70.0000	70.0000	0.0 L	0.0 N	10.0000	30.0000
102	ACL999	1.5000	0.0 N	0.0 N	20.0000	70.0000	200.0000	0.0 L	0.0 N	15.0000	50.0000
103	ACL842	0.0 L	0.0 N	0.0 N	30.0000	70.0000	100.0000	0.0 L	0.0 L	10.0000	30.0000
104	ACL983	0.0 L	0.0 N	0.0 N	10.0000	70.0000	10.0000	0.0 N	0.0 N	0.0 L	15.0000
105	ACL982	0.0 N	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 N	0.0 L	30.0000
106	ACL986	0.0 N	0.0 N	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 N	10.0000	50.0000
107	ACL989	0.0 L	0.0 N	0.0 N	20.0000	150.0000	50.0000	0.0 N	0.0 N	10.0000	50.0000
108	ACL979	0.0 N	0.0 N	0.0 N	20.0000	70.0000	30.0000	0.0 L	0.0 N	0.0 L	30.0000
109	ACE998	0.0 N	0.0 N	0.0 N	70.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	30.0000
110	ACE951	0.0 N	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 L	10.0000	50.0000
111	ACL831	0.0 N	0.0 N	0.0 N	30.0000	300.0000	70.0000	0.0 N	0.0 N	10.0000	50.0000
112	ACL838	0.0 L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 L	0.0 N	10.0000	70.0000
113	ACL839	0.0 L	0.0 N	0.0 N	30.0000	500.0000	100.0000	0.0 N	7.0000	10.0000	70.0000
114	ACL446	0.0 L	0.0 N	0.0 N	30.0000	200.0000	70.0000	0.0 L	0.0 L	10.0000	50.0000
115	ACL445	0.0 L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 L	0.0 L	0.0 L	30.0000
116	ACL984	1.0000	0.0 N	0.0 N	20.0000	50.0000	30.0000	20.0000	7.0000	0.0 L	30.0000
117	ACL985	0.0 L	0.0 N	0.0 N	15.0000	50.0000	50.0000	0.0 N	0.0 N	0.0 L	50.0000
118	ACE834	0.0 N	0.0 N	0.0 N	20.0000	70.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000

CRAIG B-3 STREAM SEDIMENTS

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
69	ACE918	70.0000	0.0 N	15.0000	0.0 N	150.0000	200.0000	0.0 N	150.0000	700.0000	70.0000
70	ACE820	300.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	5000.0000	70.0000
71	ACE818	30.0000	0.0 N	70.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
72	ACE819	10.0000	0.0 N	7.0000	0.0 N	0.0 N	30.0000	0.0 N	10.0000	0.0 N	0.0 L
73	ACE817	10.0000	0.0 N	15.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
74	ACE816	70.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	1000.0000	70.0000
75	ACE815	70.0000	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	700.0000	70.0000
76	ACE814	20.0000	0.0 N	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	300.0000	70.0000
77	ACE813	0.0 L	0.0 N	15.0000	0.0 N	150.0000	200.0000	0.0 N	10.0000	0.0 L	70.0000
78	ACE812	15.0000	0.0 N	15.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 L	70.0000
79	ACE912	0.0 L	0.0 N	15.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
80	ACL991	10.0000	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
81	ACL990	0.0 L	0.0 N	15.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
82	ACL848	10.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	200.0000	70.0000
83	ACE821	0.0 L	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
84	ACE810	0.0 L	0.0 N	15.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
85	ACE811	15.0000	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
86	ACE907	15.0000	0.0 N	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
87	ACE906	20.0000	0.0 N	15.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
88	ACL987	10.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
89	ACL439	0.0 L	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	10.0000	0.0 L	70.0000
90	ACL440	15.0000	0.0 N	15.0000	0.0 N	100.0000	200.0000	0.0 N	10.0000	0.0 N	70.0000
91	ACE917	15.0000	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000
92	ACE916	20.0000	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 N	70.0000
93	ACE915	15.0000	0.0 N	30.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
94	ACL978	0.0 N	0.0 N	20.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
95	ACL847	0.0 L	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	10.0000	0.0 L	100.0000
96	ACE830	15.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	50.0000
97	ACE831	15.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
98	ACE914	30.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
99	ACL843	30.0000	0.0 N	20.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
100	ACL846	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000	70.0000
101	ACL845	0.0 L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
102	ACL999	15.0000	0.0 N	20.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	0.0 L	100.0000
103	ACL842	10.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
104	ACL983	0.0 N	0.0 N	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	0.0 N	50.0000
105	ACL982	0.0 L	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
106	ACL986	10.0000	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	0.0 N	70.0000
107	ACL989	10.0000	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
108	ACL979	0.0 N	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
109	ACE998	10.0000	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 N	70.0000
110	ACE951	0.0 L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 N	50.0000
111	ACL831	10.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
112	ACL838	20.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
113	ACL839	20.0000	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	300.0000	70.0000
114	ACL446	10.0000	0.0 N	30.0000	0.0 N	100.0000	200.0000	0.0 N	10.0000	0.0 L	70.0000
115	ACL445	20.0000	0.0 N	30.0000	0.0 N	200.0000	200.0000	0.0 N	10.0000	0.0 L	70.0000
116	ACL984	30.0000	0.0 N	15.0000	0.0 N	100.0000	500.0000	0.0 N	20.0000	300.0000	70.0000
117	ACL985	0.0 N	0.0 N	15.0000	0.0 N	100.0000	300.0000	0.0 N	10.0000	200.0000	70.0000
118	ACE834	10.0000	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000

CRAIG B-3 STREAM SEDIMENTS

	SAMPLE	AU PPM
69	ACE918	0.8000
70	ACE820	0.7000
71	ACE818	1.5000
72	ACE819	0.1000L
73	ACE817	0.0200L
74	ACE816	0.0400L
75	ACE815	0.0200L
76	ACE814	0.0400L
77	ACE813	0.0200L
78	ACE812	0.0200L
79	ACE912	0.0400L
80	ACL991	0.0400L
81	ACL990	0.0200L
82	ACL848	0.0200L
83	ACE821	0.0200L
84	ACE810	0.0400L
85	ACE811	0.1000
86	ACE907	0.1000L
87	ACE906	0.04006
88	ACL987	0.0200L
89	ACL439	0.0400L
90	ACL440	0.0200L
91	ACE917	0.1000L
92	ACE916	0.1000L
93	ACE915	0.1000L
94	ACL978	0.02006
95	ACL847	0.0200L
96	ACE830	0.1000L
97	ACE831	0.0200L
98	ACE914	0.1000L
99	ACL843	0.0400
100	ACL846	0.1000L
101	ACL845	0.0200L
102	ACL999	0.0200L
103	ACL842	0.0400L
104	ACL983	0.0200L
105	ACL982	0.0400L
106	ACL986	0.0200L
107	ACL989	0.0400L
108	ACL979	0.0200L
109	ACE998	0.0200L
110	ACE951	0.0200L
111	ACL831	0.0400
112	ACL838	0.0200L
113	ACL839	0.0400L
114	ACL446	0.0200L
115	ACL445	0.0200L
116	ACL984	0.0400L
117	ACL985	0.0200L
118	ACE834	0.0200L

CRAIG B-3 STREAM SEDIMENTS

MAP NUMBER	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
119	ACE911	15.0000	1.5000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	150.0000
120	ACE929	7.0000	3.0000	0.7000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	20.0000	150.0000
121	ACL881	5.0000	1.5000	0.5000	0.3000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
122	ACL980	15.0000	1.5000	1.5000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	100.0000
123	ACL981	7.0000	1.5000	2.0000	0.7000	3000.0000	0.0 N	0.0 N	0.0 N	10.0000	70.0000
124	ACE833	10.0000	3.0000	0.7000	0.7000	5000.0000	0.0 N	0.0 N	0.0 N	10.0000	200.0000
125	ACL998	15.0000	3.0000	0.7000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	150.0000
126	ACL997	15.0000	3.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
127	ACL882	7.0000	1.5000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
128	ACL883	10.0000	2.0000	0.7000	0.5000	1500.0000	0.0 L	0.0 N	0.0 N	10.0000	300.0000
129	ACL884	10.0000	2.0000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
130	ACL885	7.0000	1.5000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
131	ACL886	15.0000	3.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
132	ACL844	10.0000	3.0000	1.5000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
133	ACL887	7.0000	2.0000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
134	ACL888	7.0000	2.0000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
135	ACL889	7.0000	2.0000	1.0000	0.5000	2000.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
136	ACL890	7.0000	1.5000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	300.0000
137	ACL891	10.0000	1.5000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
138	ACL892	10.0000	1.5000	0.7000	0.5000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
139	ACL836	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
140	ACL837	10.0000	2.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
141	ACL803	15.0000	3.0000	1.5000	1.0000G	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
142	ACL833	10.0000	2.0000	1.5000	0.7000	2000.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000
143	ACE832	15.0000	3.0000	1.0000	1.0000G	1500.0000	0.0 L	0.0 N	0.0 N	20.0000	70.0000
144	ACE909	7.0000	2.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	300.0000
145	ACE908	10.0000	2.0000	0.7000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 N	300.0000
146	ACL835	15.0000	3.0000	1.5000	1.0000	2000.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
147	ACL834	15.0000	2.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	100.0000
148	ACL443	15.0000	1.5000	0.7000	0.7000	5000.0000	0.0 N	0.0 N	0.0 N	10.0000	100.0000
149	ACL442	15.0000	2.0000	1.0000	0.7000	1500.0000	0.0 L	0.0 N	0.0 N	10.0000	150.0000
150	ACL448	10.0000	1.5000	0.7000	1.0000	5000.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000
151	ACL441	15.0000	1.0000	0.7000	0.7000	5000.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000
152	ACE913	7.0000	1.5000	0.7000	0.7000	3000.0000	0.0 L	0.0 N	0.0 N	30.0000	300.0000
153	ACE910	7.0000	1.5000	0.7000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
154	ACL832	10.0000	1.5000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
155	ACL830	7.0000	3.0000	0.7000	0.7000	1000.0000	0.0 N	0.0 N	0.0 N	30.0000	1000.0000
156	ACL449	15.0000	1.5000	0.7000	1.0000	5000.0000	0.0 N	0.0 N	0.0 N	20.0000	150.0000
157	ACL450	10.0000	1.0000	0.7000	0.5000	3000.0000	0.0 N	0.0 N	0.0 N	20.0000	300.0000
158	ACL444	3.0000	1.5000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	150.0000
159	ACL801	15.0000	1.5000	1.0000	1.0000	3000.0000	0.0 N	0.0 N	0.0 N	10.0000	300.0000
160	ACL802	15.0000	1.5000	0.7000	1.0000	5000.0000G	0.0 N	0.0 N	0.0 N	30.0000	500.0000
161	ACL841	10.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	30.0000	700.0000
162	ACL437	20.0000	3.0000	1.0000	0.7000	5000.0000G	0.0 N	0.0 N	0.0 N	15.0000	700.0000
163	ACL438	15.0000	3.0000	1.0000	0.7000	3000.0000	0.0 N	0.0 N	0.0 N	10.0000	500.0000
164	ACE876	20.0000G	1.5000	1.5000	0.5000	5000.0000G	0.0 N	0.0 N	0.0 N	15.0000	700.0000
165	ACE880	15.0000	3.0000	0.7000	1.0000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	200.0000
166	ACE882	15.0000	3.0000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	15.0000	300.0000
167	ACE877	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	0.0 L	200.0000
168	ACL992	3.0000	1.5000	0.7000	0.5000	300.0000	0.0 L	0.0 N	0.0 N	30.0000	2000.0000

CRAIG B-3 STREAM SEDIMENTS

	SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
119	ACE911	0.0 L	0.0 N	0.0 N	30.0000	70.0000	50.0000	0.0 N	0.0 N	0.0 L	30.0000
120	ACE929	0.0 L	0.0 N	0.0 N	50.0000	150.0000	70.0000	0.0 L	0.0 N	15.0000	50.0000
121	ACL881	0.0 N	0.0 N	0.0 N	20.0000	100.0000	70.0000	0.0 N	0.0 L	10.0000	50.0000
122	ACL980	0.0 N	0.0 N	0.0 N	7.0000	30.0000	10.0000	0.0 N	0.0 N	0.0 L	15.0000
123	ACL981	0.0 L	0.0 N	0.0 N	7.0000	50.0000	15.0000	0.0 L	0.0 N	0.0 L	15.0000
124	ACE833	0.0 L	0.0 N	0.0 N	50.0000	70.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000
125	ACL998	0.0 N	0.0 N	0.0 N	20.0000	70.0000	70.0000	0.0 N	0.0 N	0.0 L	30.0000
126	ACL997	0.0 N	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 N	10.0000	50.0000
127	ACL882	0.0 L	0.0 N	0.0 N	30.0000	100.0000	50.0000	0.0 N	0.0 L	0.0 L	50.0000
128	ACL883	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	50.0000
129	ACL884	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 L	0.0 L	10.0000	50.0000
130	ACL885	0.0 L	0.0 N	0.0 N	20.0000	100.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000
131	ACL886	0.0 L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	70.0000
132	ACL844	0.0 L	0.0 N	0.0 N	20.0000	70.0000	70.0000	0.0 L	0.0 L	10.0000	30.0000
133	ACL887	0.0 N	0.0 N	0.0 N	20.0000	100.0000	30.0000	0.0 N	0.0 L	10.0000	50.0000
134	ACL888	0.0 L	0.0 N	0.0 N	20.0000	100.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000
135	ACL889	0.0 L	0.0 N	0.0 N	15.0000	100.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000
136	ACL890	0.0 L	0.0 N	0.0 N	20.0000	100.0000	30.0000	0.0 L	0.0 L	10.0000	50.0000
137	ACL891	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	50.0000
138	ACL892	0.0 N	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	50.0000
139	ACL836	0.0 N	0.0 N	0.0 N	15.0000	20.0000	20.0000	0.0 N	0.0 N	0.0 L	15.0000
140	ACL837	0.0 L	0.0 N	0.0 N	10.0000	30.0000	15.0000	0.0 N	0.0 N	10.0000	15.0000
141	ACL803	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 L	10.0000	50.0000
142	ACL833	0.0 L	0.0 N	0.0 N	20.0000	20.0000	20.0000	0.0 N	0.0 N	10.0000	15.0000
143	ACE832	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 N	10.0000	30.0000
144	ACE909	0.0 L	0.0 N	0.0 N	15.0000	70.0000	30.0000	0.0 L	0.0 L	10.0000	30.0000
145	ACE908	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 N	10.0000	70.0000
146	ACL835	0.0 L	0.0 N	0.0 N	15.0000	50.0000	30.0000	0.0 N	0.0 N	10.0000	20.0000
147	ACL834	0.0 N	0.0 N	0.0 N	10.0000	20.0000	15.0000	0.0 N	0.0 N	10.0000	15.0000
148	ACL443	0.0 L	0.0 N	0.0 N	30.0000	70.0000	20.0000	0.0 N	0.0 N	15.0000	20.0000
149	ACL442	0.0 L	0.0 N	0.0 N	20.0000	50.0000	200.0000	0.0 N	0.0 L	10.0000	20.0000
150	ACL448	1.5000	0.0 N	0.0 N	30.0000	30.0000	20.0000	0.0 L	0.0 L	10.0000	30.0000
151	ACL441	0.0 L	0.0 N	0.0 N	50.0000	150.0000	30.0000	0.0 N	0.0 N	15.0000	50.0000
152	ACE913	0.0 L	0.0 N	0.0 N	30.0000	100.0000	150.0000	0.0 L	0.0 L	10.0000	70.0000
153	ACE910	0.0 L	0.0 N	0.0 N	20.0000	70.0000	50.0000	0.0 L	0.0 N	10.0000	30.0000
154	ACL832	0.0 L	0.0 N	0.0 N	7.0000	15.0000	5.0000	0.0 N	0.0 N	10.0000	15.0000
155	ACL830	0.0 L	0.0 N	0.0 N	10.0000	150.0000	30.0000	0.0 N	15.0000	10.0000	70.0000
156	ACL449	1.0000	0.0 N	0.0 N	50.0000	70.0000	50.0000	0.0 N	5.0000	10.0000	30.0000
157	ACL450	1.0000	0.0 N	0.0 N	30.0000	50.0000	50.0000	0.0 L	5.0000	10.0000	30.0000
158	ACL444	0.0 N	0.0 N	0.0 N	10.0000	30.0000	15.0000	0.0 N	0.0 N	10.0000	10.0000
159	ACL801	0.0 L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	0.0 L	10.0000	30.0000
160	ACL802	0.0 L	0.0 N	0.0 N	50.0000	150.0000	70.0000	0.0 N	5.0000	10.0000	50.0000
161	ACL841	0.0 L	0.0 N	0.0 N	10.0000	70.0000	70.0000	0.0 L	7.0000	10.0000	30.0000
162	ACL437	2.0000	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 N	15.0000	50.0000
163	ACL438	1.0000	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 N	15.0000	50.0000
164	ACE876	3.0000	0.0 N	0.0 N	50.0000	100.0000	70.0000	0.0 N	7.0000	10.0000	30.0000
165	ACE880	0.0 L	0.0 N	0.0 N	30.0000	50.0000	30.0000	0.0 N	0.0 L	15.0000	30.0000
166	ACE882	0.0 L	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 N	10.0000	70.0000
167	ACE877	0.0 L	0.0 N	0.0 N	20.0000	70.0000	15.0000	0.0 N	0.0 L	10.0000	30.0000
168	ACL992	1.0000	0.0 N	0.0 N	7.0000	70.0000	30.0000	0.0 N	10.0000	0.0 L	50.0000

CRAIG B-3 STREAM SEDIMENTS

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
119	ACE911	10.0000	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
120	ACE929	30.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
121	ACL881	0.0 L	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 N	70.0000
122	ACL980	0.0 N	0.0 N	10.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	0.0 N	70.0000
123	ACL981	15.0000	0.0 N	10.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	0.0 N	70.0000
124	ACE833	20.0000	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
125	ACL998	10.0000	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
126	ACL997	10.0000	0.0 N	20.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
127	ACL882	0.0 L	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
128	ACL883	10.0000	0.0 N	20.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	150.0000
129	ACL884	10.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000
130	ACL885	0.0 L	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	50.0000	0.0 L	70.0000
131	ACL886	0.0 L	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000
132	ACL844	10.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
133	ACL887	0.0 L	0.0 N	20.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000
134	ACL888	0.0 L	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
135	ACL889	0.0 N	0.0 N	20.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
136	ACL890	0.0 L	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
137	ACL891	0.0 L	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	0.0 L	100.0000
138	ACL892	0.0 L	0.0 N	20.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	300.0000	150.0000
139	ACL836	10.0000	0.0 N	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 N	70.0000
140	ACL837	15.0000	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000
141	ACL803	15.0000	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
142	ACL833	20.0000	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	10.0000	0.0 N	50.0000
143	ACE832	15.0000	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
144	ACE909	0.0 L	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	300.0000	70.0000
145	ACE908	0.0 L	0.0 N	20.0000	0.0 N	100.0000	300.0000	0.0 N	15.0000	200.0000	70.0000
146	ACL835	10.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
147	ACL834	10.0000	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000
148	ACL443	0.0 L	0.0 N	15.0000	0.0 N	100.0000	150.0000	0.0 N	20.0000	0.0 L	70.0000
149	ACL442	30.0000	0.0 N	15.0000	0.0 N	150.0000	150.0000	0.0 N	30.0000	700.0000	150.0000
150	ACL448	10.0000	0.0 N	15.0000	0.0 N	100.0000	150.0000	0.0 N	30.0000	0.0 L	150.0000
151	ACL441	15.0000	0.0 N	20.0000	0.0 N	0.0 L	200.0000	0.0 N	15.0000	0.0 L	70.0000
152	ACE913	20.0000	0.0 N	20.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
153	ACE910	10.0000	0.0 N	15.0000	0.0 N	0.0 L	300.0000	0.0 N	15.0000	0.0 L	70.0000
154	ACL832	0.0 L	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	0.0 L	150.0000
155	ACL830	10.0000	0.0 N	20.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	0.0 L	70.0000
156	ACL449	20.0000	0.0 N	20.0000	0.0 N	0.0 L	200.0000	0.0 N	30.0000	0.0 L	150.0000
157	ACL450	15.0000	0.0 N	15.0000	0.0 N	0.0 L	200.0000	0.0 N	20.0000	0.0 L	70.0000
158	ACL444	0.0 L	0.0 N	10.0000	0.0 N	200.0000	150.0000	0.0 N	10.0000	0.0 N	70.0000
159	ACL801	15.0000	0.0 N	15.0000	0.0 N	0.0 N	150.0000	0.0 N	20.0000	0.0 L	70.0000
160	ACL802	20.0000	0.0 N	30.0000	0.0 N	0.0 N	300.0000	0.0 N	20.0000	0.0 L	70.0000
161	ACL841	0.0 L	0.0 N	30.0000	0.0 N	150.0000	500.0000	0.0 N	15.0000	200.0000	70.0000
162	ACL437	15.0000	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	70.0000	0.0 L	70.0000
163	ACL438	10.0000	0.0 N	30.0000	0.0 N	100.0000	200.0000	0.0 N	20.0000	0.0 L	70.0000
164	ACE876	10.0000	0.0 N	30.0000	0.0 N	100.0000	200.0000	0.0 N	70.0000	0.0 L	100.0000
165	ACE880	0.0 L	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000
166	ACE882	15.0000	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
167	ACE877	0.0 L	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000
168	ACL992	15.0000	0.0 N	15.0000	0.0 N	0.0 L	500.0000	0.0 N	10.0000	300.0000	70.0000

CRAIG 8-3 STREAM SEDIMENTS

	SAMPLE	AU PPM
119	ACE911	0.0200L
120	ACE929	0.0200L
121	ACL881	0.0200L
122	ACL980	0.0400L
123	ACL981	0.0400L
124	ACE833	0.0200L
125	ACL998	0.0200L
126	ACL997	0.0200L
127	ACL882	0.0200L
128	ACL883	0.0200L
129	ACL884	0.0200L
130	ACL885	0.0200L
131	ACL886	0.0200L
132	ACL844	0.0200L
133	ACL887	0.0200L
134	ACL888	0.0200L
135	ACL889	0.0200L
136	ACL890	0.0200L
137	ACL891	0.0200L
138	ACL892	0.0600
139	ACL836	0.0200L
140	ACL837	0.0400L
141	ACL803	0.0200L
142	ACL833	0.0400L
143	ACE832	0.0200L
144	ACE909	0.0200L
145	ACE908	0.0200L
146	ACL835	0.0200L
147	ACL834	0.0200L
148	ACL443	0.0400L
149	ACL442	0.0200L
150	ACL448	0.0200L
151	ACL441	0.1000L
152	ACE913	0.1000L
153	ACE910	0.1000
154	ACL832	0.0200L
155	ACL830	0.0200L
156	ACL449	0.0200L
157	ACL450	0.0200L
158	ACL444	0.0200L
159	ACL801	0.0200L
160	ACL802	0.0200L
161	ACL841	0.0200L
162	ACL437	0.0200L
163	ACL438	0.0200L
164	ACE876	0.1000L
165	ACE880	0.0200L
166	ACE882	0.0200L
167	ACE877	0.1000L
168	ACL992	0.0400L

CRAIG B-3 STREAM SEDIMENTS

MAP NUMBER	SAMPLE	FE PCT	MG PCT	CA PCT	TI PCT	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
169	ACL993	3.0000	1.5000	0.5000	0.5000	300.0000	0.0 L	0.0 N	0.0 N	30.0000	2000.0000
170	ACE883	15.0000	3.0000	0.7000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	150.0000
171	ACE889	7.0000	1.5000	0.7000	0.5000	500.0000	0.0 L	0.0 N	0.0 N	50.0000	1500.0000
172	ACE878	20.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	10.0000	200.0000
173	ACE881	10.0000	1.5000	0.7000	0.5000	5000.0000	0.0 N	0.0 N	0.0 N	10.0000	500.0000
174	ACE884	15.0000	3.0000	0.7000	0.7000	1000.0000	0.0 L	0.0 N	0.0 N	30.0000	1500.0000
175	ACE879	15.0000	3.0000	1.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0 N	20.0000	150.0000

CRAIG B-3 STREAM SEDIMENTS

	SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
169	ACL993	1.0000	0.0 N	0.0 N	0.0 L	100.0000	30.0000	0.0 N	0.0 N	10.0000	70.0000
170	ACE883	0.0 N	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	0.0 N	10.0000	50.0000
171	ACE889	1.0000	0.0 N	0.0 N	10.0000	30.0000	30.0000	30.0000	7.0000	0.0 L	30.0000
172	ACE878	1.5000	0.0 N	0.0 N	15.0000	70.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
173	ACE881	0.0 L	0.0 N	0.0 N	20.0000	50.0000	30.0000	0.0 L	0.0 N	10.0000	20.0000
174	ACE884	0.0 L	0.0 N	0.0 N	20.0000	70.0000	50.0000	0.0 L	7.0000	10.0000	70.0000
175	ACE879	0.0 L	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 N	10.0000	50.0000

CRAIG B-3 STREAM SEDIMENTS

	SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
169	ACE993	30.0000	0.0 N	15.0000	0.0 N	0.0 N	700.0000	0.0 N	15.0000	200.0000	70.0000
170	ACE883	0.0 L	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
171	ACE889	20.0000	0.0 N	10.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	70.0000
172	ACE878	10.0000	0.0 N	30.0000	0.0 N	100.0000	300.0000	0.0 N	30.0000	0.0 L	70.0000
173	ACE881	15.0000	0.0 N	15.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	0.0 L	50.0000
174	ACE884	30.0000	0.0 N	20.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	0.0 L	100.0000
175	ACE879	0.0 L	0.0 N	30.0000	0.0 N	100.0000	200.0000	0.0 N	15.0000	0.0 L	70.0000

CRAIG B-3 STREAM SEDIMENTS

	SAMPLE	AU PPM
169	ACL993	0.0200L
170	ACE883	0.0200L
171	ACE889	0.0200L
172	ACE878	0.0200L
173	ACE881	0.1000L
174	ACE884	0.0200L
175	ACE879	0.0200L

FREQUENCY TABLE FOR COLUMN 1 (FE PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	0	0	0.0	0.0
1.2E-01 -	1.8E-01	0	0	0.0	0.0
1.8E-01 -	2.6E-01	0	0	0.0	0.0
2.6E-01 -	3.8E-01	0	0	0.0	0.0
3.8E-01 -	5.6E-01	0	0	0.0	0.0
5.6E-01 -	8.3E-01	0	0	0.0	0.0
8.3E-01 -	1.2E 00	0	0	0.0	0.0
1.2E 00 -	1.8E 00	2	2	1.87	1.87
1.8E 00 -	2.6E 00	0	2	0.0	1.87
2.6E 00 -	3.8E 00	5	7	4.67	6.54
3.8E 00 -	5.6E 00	6	13	5.61	12.15
5.6E 00 -	8.3E 00	20	33	18.69	30.84
8.3E 00 -	1.2E 01	27	60	25.23	56.07
1.2E 01 -	1.8E 01	44	104	41.12	97.20
1.8E 01 -	2.6E 01	2	106	1.87	99.07

HISTOGRAM FOR COLUMN 1 (FE PCT)

```
1.5E 00 XX

2.0E 00

3.0E 00 XXXXX

5.0E 00 XXXXXX

7.0E 00 XXXXXXXXXXXXXXXXXX

1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	1	106
0.0	0.0			0.0	0.93	

MAXIMUM = 2.00000E 01

MINIMUM = 1.50000E 00

GEOMETRIC MEAN = 9.82407E 00

GEOMETRIC DEVIATION = 1.67654E 00

FREQUENCY TABLE FOR COLUMN 2 (MG PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	0	0	0.0	0.0
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	0	0	0.0	0.0
1.2E-01 -	1.8E-01	0	0	0.0	0.0
1.8E-01 -	2.6E-01	0	0	0.0	0.0
2.6E-01 -	3.8E-01	0	0	0.0	0.0
3.8E-01 -	5.6E-01	1	1	0.93	0.93
5.6E-01 -	8.3E-01	2	3	1.87	2.80
8.3E-01 -	1.2E 00	6	9	5.61	8.41
1.2E 00 -	1.8E 00	29	38	27.10	35.51
1.8E 00 -	2.6E 00	19	57	17.76	53.27
2.6E 00 -	3.8E 00	44	101	41.12	94.39
3.8E 00 -	5.6E 00	6	107	5.61	100.00

HISTOGRAM FOR COLUMN 2 (MG PCT)

```
5.0E-01 X

7.0E-01 XX

1.0E 00 XXXXXX

1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 00 XXXXXXXXXXXXXXXXXX

3.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 00 XXXXXX
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N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	107
0.0	0.0			0.0	0.0	

MAXIMUM = 5.00000E 00

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 2.14220E 00

GEOMETRIC DEVIATION = 1.56356E 00

FREQUENCY TABLE FOR COLUMN 3 (CA PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	0	0	0.0	0.0
8.3E-02 -	1.2E-01	0	0	0.0	0.0
1.2E-01 -	1.8E-01	0	0	0.0	0.0
1.8E-01 -	2.6E-01	0	0	0.0	0.0
2.6E-01 -	3.8E-01	0	0	0.0	0.0
3.8E-01 -	5.6E-01	7	7	6.54	6.54
5.6E-01 -	8.3E-01	55	62	51.40	57.94
8.3E-01 -	1.2E 00	14	76	13.08	71.03
1.2E 00 -	1.8E 00	22	98	20.56	91.59
1.8E 00 -	2.6E 00	8	106	7.48	99.07
2.6E 00 -	3.8E 00	1	107	0.93	100.00

HISTOGRAM FOR COLUMN 3 (CA PCT)

```
5.0E-01 XXXXXXX

7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 00 XXXXXXXXXXXXX

1.5E 00 XXXXXXXXXXXXXXXXXXXXX

2.0E 00 XXXXXXX

3.0E 00 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	107
0.0	0.0			0.0	0.0	

MAXIMUM = 3.00000E 00

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 9.20145E-01

GEOMETRIC DEVIATION = 1.51489E 00

FREQUENCY TABLE FOR COLUMN 4 (TI PCT)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-03 -	2.6E-03	0	0	0.0	0.0
2.6E-03 -	3.8E-03	0	0	0.0	0.0
3.8E-03 -	5.6E-03	0	0	0.0	0.0
5.6E-03 -	8.3E-03	0	0	0.0	0.0
8.3E-03 -	1.2E-02	0	0	0.0	0.0
1.2E-02 -	1.8E-02	0	0	0.0	0.0
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	0	0	0.0	0.0
3.8E-02 -	5.6E-02	0	0	0.0	0.0
5.6E-02 -	8.3E-02	1	1	0.93	0.93
8.3E-02 -	1.2E-01	0	1	0.0	0.93
1.2E-01 -	1.8E-01	0	1	0.0	0.93
1.8E-01 -	2.6E-01	0	1	0.0	0.93
2.6E-01 -	3.8E-01	9	10	8.41	9.35
3.8E-01 -	5.6E-01	26	36	24.30	33.64
5.6E-01 -	8.3E-01	59	95	55.14	88.79
8.3E-01 -	1.2E 00	10	105	9.35	98.13

HISTOGRAM FOR COLUMN 4 (TI PCT)

```
7.0E-02 X

1.0E-01

1.5E-01

2.0E-01

3.0E-01 XXXXXXXX

5.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX

7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 00 XXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	2	105
0.0	0.0			0.0	1.87	

MAXIMUM = 1.00000E 00

MINIMUM = 7.00000E-02

GEOMETRIC MEAN = 6.06185E-01

GEOMETRIC DEVIATION = 1.43956E 00

FREQUENCY TABLE FOR COLUMN 5 (MN PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	0	0	0.0	0.0
5.6E 01 -	8.3E 01	0	0	0.0	0.0
8.3E 01 -	1.2E 02	0	0	0.0	0.0
1.2E 02 -	1.8E 02	1	1	0.93	0.93
1.8E 02 -	2.6E 02	0	1	0.0	0.93
2.6E 02 -	3.8E 02	2	3	1.87	2.80
3.8E 02 -	5.6E 02	1	4	0.93	3.74
5.6E 02 -	8.3E 02	3	7	2.80	6.54
8.3E 02 -	1.2E 03	5	12	4.67	11.21
1.2E 03 -	1.8E 03	53	65	49.53	60.75
1.8E 03 -	2.6E 03	16	81	14.95	75.70
2.6E 03 -	3.8E 03	11	92	10.28	85.98
3.8E 03 -	5.6E 03	9	101	8.41	94.39

HISTOGRAM FOR COLUMN 5 (MN PPM)

```
1.5E 02 X

2.0E 02

3.0E 02 XX

5.0E 02 X

7.0E 02 XXX

1.0E 03 XXXXX

1.5E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 03 XXXXXXXXXXXXXXX

3.0E 03 XXXXXXXXXX

5.0E 03 XXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	6	101
0.0	0.0			0.0	5.61	

MAXIMUM = 5.00000E 03

MINIMUM = 1.50000E 02

GEOMETRIC MEAN = 1.69131E 03

GEOMETRIC DEVIATION = 1.76828E 00

FREQUENCY TABLE FOR COLUMN 6 (AG PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-01 -	5.6E-01	0	0	0.0	0.0
5.6E-01 -	8.3E-01	2	2	1.87	1.87
8.3E-01 -	1.2E 00	0	2	0.0	1.87
1.2E 00 -	1.8E 00	1	3	0.93	2.80
1.8E 00 -	2.6E 00	0	3	0.0	2.80
2.6E 00 -	3.8E 00	1	4	0.93	3.74

HISTOGRAM FOR COLUMN 6 (AG PPM)

```
7.0E-01 XX

1.0E 00

1.5E 00 X

2.0E 00

3.0E 00 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
87	16	0	0	0	0	4
81.31	14.95			0.0	0.0	

MAXIMUM = 3.00000E 00

MINIMUM = 7.00000E-01

GEOMETRIC MEAN = 1.21857E 00

GEOMETRIC DEVIATION = 2.01350E 00

FREQUENCY TABLE FOR COLUMN T (AS PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	
N	L	H	B	T	G	ANALYTICAL VALUES
107	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 8 (AU PPM)

LIMITS LOWER - UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	
N	L	H	B	T	G	ANALYTICAL VALUES
107	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 9 (B PPM) .

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	25	25	23.36	23.36
1.2E 01 -	1.8E 01	23	48	21.50	44.86
1.8E 01 -	2.6E 01	14	62	13.08	57.94
2.6E 01 -	3.8E 01	24	86	22.43	80.37
3.8E 01 -	5.6E 01	9	95	8.41	88.79

HISTOGRAM FOR COLUMN 9 (B PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
1	11	0	0	0	0	95
0.93	10.28			0.0	0.0	

MAXIMUM = 5.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.87819E 01

GEOMETRIC DEVIATION = 1.67566E 00

FREQUENCY TABLE FOR COLUMN 10 (BA PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	0	0	0.0	0.0
5.6E 01 -	8.3E 01	2	2	1.87	1.87
8.3E 01 -	1.2E 02	3	5	2.80	4.67
1.2E 02 -	1.8E 02	25	30	23.36	28.04
1.8E 02 -	2.6E 02	7	37	6.54	34.58
2.6E 02 -	3.8E 02	37	74	34.58	69.16
3.8E 02 -	5.6E 02	6	80	5.61	74.77
5.6E 02 -	8.3E 02	18	98	16.82	91.59
8.3E 02 -	1.2E 03	3	101	2.80	94.39
1.2E 03 -	1.8E 03	3	104	2.80	97.20
1.8E 03 -	2.6E 03	2	106	1.87	99.07

HISTOGRAM FOR COLUMN 10 (BA PPM)

```
7.0E 01 XX

1.0E 02 XXX

1.5E 02 XXXXXXXXXXXXXXXXXXXXXX

2.0E 02 XXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXXXXX

7.0E 02 XXXXXXXXXXXXXXXXX

1.0E 03 XXX

1.5E 03 XXX

2.0E 03 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	1	0	0	0	0	106
0.0	0.93			0.0	0.0	

MAXIMUM = 2.00000E 03

MINIMUM = 7.00000E 01

GEOMETRIC MEAN = 3.12051E 02

GEOMETRIC DEVIATION = 2.05753E 00

FREQUENCY TABLE FOR COLUMN 11 (BE PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E-01 -	1.2E 00	9	9	8.41	8.41
1.2E 00 -	1.8E 00	5	14	4.67	13.08
1.8E 00 -	2.6E 00	1	15	0.93	14.02
2.6E 00 -	3.8E 00	1	16	0.93	14.95

HISTOGRAM FOR COLUMN 11 (BE PPM)

```
1.0E 00 XXXXXXXX

1.5E 00 XXXXX

2.0E 00 X

3.0E 00 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
20	71	0	0	0	0	16
18.69	66.36			0.0	0.0	

MAXIMUM = 3.00000E 00

MINIMUM = 1.00000E 00

GEOMETRIC MEAN = 1.26959E 00

GEOMETRIC DEVIATION = 1.38594E 00

FREQUENCY TABLE FOR COLUMN 12 (BI PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
107	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 13 (CD PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	0	0	0.0	0.0
3.8E 01 -	5.6E 01	0	0	0.0	0.0
5.6E 01 -	8.3E 01	1	1	0.93	0.93

HISTOGRAM FOR COLUMN 13 (CD PPM)

7.0E 01 X

N	L	H	B	T	G	ANALYTICAL VALUES
106	0	0	0	0	0	1
99.07	0.0			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 7.00000E 01

GEOMETRIC MEAN = 6.99999E 01

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 14 (CO PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	0	0	0.0	0.0
5.6E 00 -	8.3E 00	4	4	3.74	3.74
8.3E 00 -	1.2E 01	8	12	7.48	11.21
1.2E 01 -	1.8E 01	14	26	13.08	24.30
1.8E 01 -	2.6E 01	28	54	26.17	50.47
2.6E 01 -	3.8E 01	36	90	33.64	84.11
3.8E 01 -	5.6E 01	11	101	10.28	94.39
5.6E 01 -	8.3E 01	4	105	3.74	98.13

HISTOGRAM FOR COLUMN 14 (CO PPM)

```
7.0E 00 XXXX

1.0E 01 XXXXXXX

1.5E 01 XXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXXXX

7.0E 01 XXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
1	1	0	0	0	0	105
0.93	0.93			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 7.00000E 00

GEOMETRIC MEAN = 2.32728E 01

GEOMETRIC DEVIATION = 1.68693E 00

FREQUENCY TABLE FOR COLUMN 15 (CR PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	0	0	0.0	0.0
5.6E 00 -	8.3E 00	0	0	0.0	0.0
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	1	1	0.93	0.93
1.8E 01 -	2.6E 01	3	4	2.80	3.74
2.6E 01 -	3.8E 01	9	13	8.41	12.15
3.8E 01 -	5.6E 01	13	26	12.15	24.30
5.6E 01 -	8.3E 01	28	54	26.17	50.47
8.3E 01 -	1.2E 02	12	66	11.21	61.68
1.2E 02 -	1.8E 02	36	102	33.64	95.33
1.8E 02 -	2.6E 02	3	105	2.80	98.13
2.6E 02 -	3.8E 02	1	106	0.93	99.07
3.8E 02 -	5.6E 02	1	107	0.93	100.00

HISTOGRAM FOR COLUMN 15 (CR PPM)

```
1.5E 01 X

2.0E 01 XXX

3.0E 01 XXXXXXXX

5.0E 01 XXXXXXXXXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXXXXXXXXX

1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 02 XXX

3.0E 02 X

5.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	107
0.0	0.0			0.0	0.0	

MAXIMUM = 5.00000E 02

MINIMUM = 1.50000E 01

GEOMETRIC MEAN = 8.51695E 01

GEOMETRIC DEVIATION = 1.88538E 00

FREQUENCY TABLE FOR COLUMN 16 (CU PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	1	1	0.93	0.93
5.6E 00 -	8.3E 00	0	1	0.0	0.93
8.3E 00 -	1.2E 01	2	3	1.87	2.80
1.2E 01 -	1.8E 01	6	9	5.61	8.41
1.8E 01 -	2.6E 01	6	15	5.61	14.02
2.6E 01 -	3.8E 01	37	52	34.58	48.60
3.8E 01 -	5.6E 01	24	76	22.43	71.03
5.6E 01 -	8.3E 01	21	97	19.63	90.65
8.3E 01 -	1.2E 02	4	101	3.74	94.39
1.2E 02 -	1.8E 02	4	105	3.74	98.13
1.8E 02 -	2.6E 02	2	107	1.87	100.00

HISTOGRAM FOR COLUMN 16 (CU PPM)

```
5.0E 00 X

7.0E 00

1.0E 01 XX

1.5E 01 XXXXXX

2.0E 01 XXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXXXXXXXXXXXXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXX

1.5E 02 XXXX

2.0E 02 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	107
0.0	0.0			0.0	0.0	

MAXIMUM = 2.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 4.14214E 01

GEOMETRIC DEVIATION = 1.89148E 00

FREQUENCY TABLE FOR COLUMN 17 (LA PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	4	4	3.74	3.74
2.6E 01 -	3.8E 01	1	5	0.93	4.67
3.8E 01 -	5.6E 01	0	5	0.0	4.67
5.6E 01 -	8.3E 01	0	5	0.0	4.67
8.3E 01 -	1.2E 02	0	5	0.0	4.67
1.2E 02 -	1.8E 02	1	6	0.93	5.61

HISTOGRAM FOR COLUMN 17 (LA PPM)

```
2.0E 01 XXXX

3.0E 01 X

5.0E 01

7.0E 01

1.0E 02

1.5E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
68	33	0	0	0	0	6
63.55	30.84			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 2.99378E 01

GEOMETRIC DEVIATION = 2.23885E 00

FREQUENCY TABLE FOR COLUMN 18 (MO PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	4	4	3.74	3.74
5.6E 00 -	8.3E 00	12	16	11.21	14.95
8.3E 00 -	1.2E 01	1	17	0.93	15.89
1.2E 01 -	1.8E 01	2	19	1.87	17.76

HISTOGRAM FOR COLUMN 18 (MO PPM)

```
5.0E 00 XXXX

7.0E 00 XXXXXXXXXXX

1.0E 01 X

1.5E 01 XX
```

N	L	H	B	T	G	ANALYTICAL VALUES
52	36	0	0	0	0	19
48.60	33.64			0.0	0.0	

MAXIMUM = 1.50000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 7.19990E 00

GEOMETRIC DEVIATION = 1.36306E 00

FREQUENCY TABLE FOR COLUMN 19 (NB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	68	68	63.55	63.55
1.2E 01 -	1.8E 01	13	81	12.15	75.70
1.8E 01 -	2.6E 01	1	82	0.93	76.64

HISTOGRAM FOR COLUMN 19 (NB PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXX

2.0E 01 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	25	0	0	0	0	82
0.0	23.36			0.0	0.0	

MAXIMUM = 2.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.07541E 01

GEOMETRIC DEVIATION = 1.17868E 00

FREQUENCY TABLE FOR COLUMN 20 (NI PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	0	0	0.0	0.0
5.6E 00 -	8.3E 00	0	0	0.0	0.0
8.3E 00 -	1.2E 01	2	2	1.87	1.87
1.2E 01 -	1.8E 01	9	11	8.41	10.28
1.8E 01 -	2.6E 01	8	19	7.48	17.76
2.6E 01 -	3.8E 01	43	62	40.19	57.94
3.8E 01 -	5.6E 01	30	92	28.04	85.98
5.6E 01 -	8.3E 01	12	104	11.21	97.20
8.3E 01 -	1.2E 02	2	106	1.87	99.07
1.2E 02 -	1.8E 02	1	107	0.93	100.00

HISTOGRAM FOR COLUMN 20 (NI PPM)

```
1.0E 01 XX

1.5E 01 XXXXXXXX

2.0E 01 XXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXX

7.0E 01 XXXXXXXXXXX

1.0E 02 XX

1.5E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	107
0.0	0.0			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 3.54391E 01

GEOMETRIC DEVIATION = 1.65685E 00

FREQUENCY TABLE FOR COLUMN 21 (PB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	27	27	25.23	25.23
1.2E 01 -	1.8E 01	21	48	19.63	44.86
1.8E 01 -	2.6E 01	12	60	11.21	56.07
2.6E 01 -	3.8E 01	8	68	7.48	63.55
3.8E 01 -	5.6E 01	0	68	0.0	63.55
5.6E 01 -	8.3E 01	3	71	2.80	66.36
8.3E 01 -	1.2E 02	0	71	0.0	66.36
1.2E 02 -	1.8E 02	0	71	0.0	66.36
1.8E 02 -	2.6E 02	0	71	0.0	66.36
2.6E 02 -	3.8E 02	1	72	0.93	67.29

HISTOGRAM FOR COLUMN 21 (PB PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXX

3.0E 01 XXXXXXX

5.0E 01

7.0E 01 XXX

1.0E 02

1.5E 02

2.0E 02

3.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
6	29	0	0	0	0	72
5.61	27.10			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.62280E 01

GEOMETRIC DEVIATION = 1.80853E 00

FREQUENCY TABLE FOR COLUMN 22 (SB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	
N	L	H	B	T	G	ANALYTICAL VALUES
107	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 23 (SC PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	0	0	0.0	0.0
5.6E 00 -	8.3E 00	1	1	0.93	0.93
8.3E 00 -	1.2E 01	4	5	3.74	4.67
1.2E 01 -	1.8E 01	31	36	28.97	33.64
1.8E 01 -	2.6E 01	29	65	27.10	60.75
2.6E 01 -	3.8E 01	41	106	38.32	99.07
3.8E 01 -	5.6E 01	0	106	0.0	99.07
5.6E 01 -	8.3E 01	1	107	0.93	100.00

HISTOGRAM FOR COLUMN 23 (SC PPM)

```
7.0E 00 X

1.0E 01 XXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 01

7.0E 01 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	107
0.0	0.0			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 7.00000E 00

GEOMETRIC MEAN = 2.09831E 01

GEOMETRIC DEVIATION = 1.43186E 00

FREQUENCY TABLE FOR COLUMN 24 (SN PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
107	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 25 (SR PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 01 -	1.2E 02	21	21	19.63	19.63
1.2E 02 -	1.8E 02	29	50	27.10	46.73
1.8E 02 -	2.6E 02	25	75	23.36	70.09
2.6E 02 -	3.8E 02	21	96	19.63	89.72
3.8E 02 -	5.6E 02	1	97	0.93	90.65
5.6E 02 -	8.3E 02	1	98	0.93	91.59

HISTOGRAM FOR COLUMN 25 (SR PPM)

```
1.0E 02 XXXXXXXXXXXXXXXXXXX

1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 02 XXXXXXXXXXXXXXXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXX

5.0E 02 X

7.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
4	5	0	0	0	0	98
3.74	4.67			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 1.76560E 02

GEOMETRIC DEVIATION = 1.51659E 00

FREQUENCY TABLE FOR COLUMN 26 (V PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	0	0	0.0	0.0
1.2E 01 -	1.8E 01	0	0	0.0	0.0
1.8E 01 -	2.6E 01	0	0	0.0	0.0
2.6E 01 -	3.8E 01	1	1	0.93	0.93
3.8E 01 -	5.6E 01	0	1	0.0	0.93
5.6E 01 -	8.3E 01	0	1	0.0	0.93
8.3E 01 -	1.2E 02	0	1	0.0	0.93
1.2E 02 -	1.8E 02	14	15	13.08	14.02
1.8E 02 -	2.6E 02	37	52	34.58	48.60
2.6E 02 -	3.8E 02	51	103	47.66	96.26
3.8E 02 -	5.6E 02	3	106	2.80	99.07
5.6E 02 -	8.3E 02	1	107	0.93	100.00

HISTOGRAM FOR COLUMN 26 (V PPM)

```
3.0E 01 X

5.0E 01

7.0E 01

1.0E 02

1.5E 02 XXXXXXXXXXXXX

2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXX

7.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	107
0.0	0.0			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 3.00000E 01

GEOMETRIC MEAN = 2.38313E 02

GEOMETRIC DEVIATION = 1.43698E 00

FREQUENCY TABLE FOR COLUMN 27 (W PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM	ANALYTICAL VALUES
N	L	H	B	T	G	
107	0	0	0	0	0	0
*****	0.0			0.0	0.0	

MAXIMUM = -9.99900E 48

MINIMUM = 9.99900E 48

GEOMETRIC MEAN = 9.99900E 48

GEOMETRIC DEVIATION = 9.99900E 48

FREQUENCY TABLE FOR COLUMN 28 (Y PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	14	14	13.08	13.08
1.2E 01 -	1.8E 01	40	54	37.38	50.47
1.8E 01 -	2.6E 01	36	90	33.64	84.11
2.6E 01 -	3.8E 01	13	103	12.15	96.26
3.8E 01 -	5.6E 01	1	104	0.93	97.20
5.6E 01 -	8.3E 01	2	106	1.87	99.07
8.3E 01 -	1.2E 02	0	106	0.0	99.07
1.2E 02 -	1.8E 02	1	107	0.93	100.00

HISTOGRAM FOR COLUMN 28 (Y PPM)

```
1.0E 01 XXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXX

5.0E 01 X

7.0E 01 XX

1.0E 02

1.5E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	107
0.0	0.0			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.81297E 01

GEOMETRIC DEVIATION = 1.53024E 00

FREQUENCY TABLE FOR COLUMN 29 (ZN PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 02 -	2.6E 02	6	6	5.61	5.61
2.6E 02 -	3.8E 02	6	12	5.61	11.21
3.8E 02 -	5.6E 02	0	12	0.0	11.21
5.6E 02 -	8.3E 02	3	15	2.80	14.02
8.3E 02 -	1.2E 03	1	16	0.93	14.95
1.2E 03 -	1.8E 03	0	16	0.0	14.95
1.8E 03 -	2.6E 03	0	16	0.0	14.95
2.6E 03 -	3.8E 03	0	16	0.0	14.95
3.8E 03 -	5.6E 03	1	17	0.93	15.89

HISTOGRAM FOR COLUMN 29 (ZN PPM)

```
2.0E 02 XXXXXX

3.0E 02 XXXXXX

5.0E 02

7.0E 02 XXX

1.0E 03 X

1.5E 03

2.0E 03

3.0E 03

5.0E 03 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
15	75	0	0	0	0	17
14.02	70.09			0.0	0.0	

MAXIMUM = 5.00000E 03

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 3.82414E 02

GEOMETRIC DEVIATION = 2.33494E 00

FREQUENCY TABLE FOR COLUMN 30 (ZR PPM)

LIMITS LOWER - UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 - 1.2E 01	0	0	0.0	0.0
1.2E 01 - 1.8E 01	0	0	0.0	0.0
1.8E 01 - 2.6E 01	0	0	0.0	0.0
2.6E 01 - 3.8E 01	0	0	0.0	0.0
3.8E 01 - 5.6E 01	5	5	4.67	4.67
5.6E 01 - 8.3E 01	85	90	79.44	84.11
8.3E 01 - 1.2E 02	10	100	9.35	93.46
1.2E 02 - 1.8E 02	6	106	5.61	99.07

HISTOGRAM FOR COLUMN 30 (ZR PPM)

```
5.0E 01 XXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXXXXXXX

1.5E 02 XXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	1	0	0	0	0	106
0.0	0.93			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 5.00000E 01

GEOMETRIC MEAN = 7.43957E 01

GEOMETRIC DEVIATION = 1.24175E 00

FREQUENCY TABLE FOR COLUMN 31 (AU PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E-02 -	2.6E-02	0	0	0.0	0.0
2.6E-02 -	3.8E-02	0	0	0.0	0.0
3.8E-02 -	5.6E-02	2	2	1.90	1.90
5.6E-02 -	8.3E-02	1	3	0.95	2.86
8.3E-02 -	1.2E-01	2	5	1.90	4.76
1.2E-01 -	1.8E-01	0	5	0.0	4.76
1.8E-01 -	2.6E-01	0	5	0.0	4.76
2.6E-01 -	3.8E-01	0	5	0.0	4.76
3.8E-01 -	5.6E-01	0	5	0.0	4.76
5.6E-01 -	8.3E-01	2	7	1.90	6.67
8.3E-01 -	1.2E 00	0	7	0.0	6.67
1.2E 00 -	1.8E 00	1	8	0.95	7.62

HISTOGRAM FOR COLUMN 31 (AU PPM)

```
5.0E-02 XX

7.0E-02 X

1.0E-01 XX

1.5E-01

2.0E-01

3.0E-01

5.0E-01

7.0E-01 XX

1.0E 00

1.5E 00 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	97	0	0	0	0	8
0.0	92.38			0.0	0.0	

MAXIMUM = 1.50000E 00

MINIMUM = 4.00000E-02

GEOMETRIC MEAN = 1.73109E-01

GEOMETRIC DEVIATION = 4.31735E 00

A470 STATISTICAL SUMMARY DATE 4/24/70

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
FE PCT	0	0	0	0	0	1	106
MG PCT	0	0	0	0	0	0	107
CA PCT	0	0	0	0	0	0	107
TI PCT	0	0	0	0	0	2	105
MN PPM	0	0	0	0	0	6	101
AG PPM	87	16	0	0	0	0	4
AS PPM	107	0	0	0	0	0	0
AU PPM	107	0	0	0	0	0	0
B PPM	1	11	0	0	0	0	95
BA PPM	0	1	0	0	0	0	106
BE PPM	20	71	0	0	0	0	16
BI PPM	107	0	0	0	0	0	0
CD PPM	106	0	0	0	0	0	1
CO PPM	1	1	0	0	0	0	105
CR PPM	0	0	0	0	0	0	107
CU PPM	0	0	0	0	0	0	107
LA PPM	68	33	0	0	0	0	6
MO PPM	52	36	0	0	0	0	19
NB PPM	0	25	0	0	0	0	82
NI PPM	0	0	0	0	0	0	107
PB PPM	6	29	0	0	0	0	72
SB PPM	107	0	0	0	0	0	0
SC PPM	0	0	0	0	0	0	107
SN PPM	107	0	0	0	0	0	0
SR PPM	4	5	0	0	0	0	98
V PPM	0	0	0	0	0	0	107
W PPM	107	0	0	0	0	0	0
Y PPM	0	0	0	0	0	0	107
ZN PPM	15	75	0	0	0	0	17
ZR PPM	0	1	0	0	0	0	106
AU PPM	0	97	0	0	0	0	8

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS
FE PCT	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.
MG PCT	2.142203	1.56	107 SAMPLES AND 107 ANALYTICAL VALUES.
CA PCT	0.920145	1.51	107 SAMPLES AND 107 ANALYTICAL VALUES.
TI PCT	********	******	2 GREATER THAN VALUES. NO COMPUTATIONS.
MN PPM	********	******	6 GREATER THAN VALUES. NO COMPUTATIONS.
AG PPM	********	******	103 NOT DETECTED, LESS THAN, OR TRACE VALUES. 4 REPORTED VALUES. NO COMPUTATIONS.
AS PPM	********	******	107 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
AU PPM	********	******	107 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
B PPM	16.548950	1.84	12 NOT DETECTED, LESS THAN, OR TRACE VALUES. 95 REPORTED VALUES.
BA PPM	303.270264	2.17	1 NOT DETECTED, LESS THAN, OR TRACE VALUES. 106 REPORTED VALUES.
BE PPM	0.343001	2.27	91 NOT DETECTED, LESS THAN, OR TRACE VALUES. 16 REPORTED VALUES.
BI PPM	********	******	107 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
CD PPM	********	******	106 NOT DETECTED, LESS THAN, OR TRACE VALUES. 1 REPORTED VALUES. NO COMPUTATIONS.
CO PPM	22.432175	1.79	2 NOT DETECTED, LESS THAN, OR TRACE VALUES. 105 REPORTED VALUES.
CR PPM	85.169312	1.89	107 SAMPLES AND 107 ANALYTICAL VALUES.
CU PPM	41.421326	1.89	107 SAMPLES AND 107 ANALYTICAL VALUES.
LA PPM	********	******	101 NOT DETECTED, LESS THAN, OR TRACE VALUES. 6 REPORTED VALUES. NO COMPUTATIONS.
MO PPM	1.437507	2.87	88 NOT DETECTED, LESS THAN, OR TRACE VALUES. 19 REPORTED VALUES.
NB PPM	9.803146	1.25	25 NOT DETECTED, LESS THAN, OR TRACE VALUES. 82 REPORTED VALUES.
NI PPM	35.439041	1.66	107 SAMPLES AND 107 ANALYTICAL VALUES.
PB PPM	10.906319	2.20	35 NOT DETECTED, LESS THAN, OR TRACE VALUES. 72 REPORTED VALUES.

SB PPM	********	******	107	NOT DETECTED, LESS THAN, OR TRACE VALUES.	0	REPORTED VALUES.	NO COMPUTATIONS.
SC PPM	20.983047	1.43	107	SAMPLES AND 107 ANALYTICAL VALUES.			
SN PPM	********	******	107	NOT DETECTED, LESS THAN, OR TRACE VALUES.	0	REPORTED VALUES.	NO COMPUTATIONS.
SR PPM	162.566528	1.63	9	NOT DETECTED, LESS THAN, OR TRACE VALUES.	98	REPORTED VALUES.	
V PPM	238.312592	1.44	107	SAMPLES AND 107 ANALYTICAL VALUES.			
W PPM	********	******	107	NOT DETECTED, LESS THAN, OR TRACE VALUES.	0	REPORTED VALUES.	NO COMPUTATIONS.
Y PPM	18.129669	1.53	107	SAMPLES AND 107 ANALYTICAL VALUES.			
ZN PPM	********	******	90	NOT DETECTED, LESS THAN, OR TRACE VALUES.	17	REPORTED VALUES.	NO COMPUTATIONS.
ZR PPM	72.854385	1.36	1	NOT DETECTED, LESS THAN, OR TRACE VALUES.	106	REPORTED VALUES.	
AU PPM	********	******	97	NOT DETECTED, LESS THAN, OR TRACE VALUES.	8	REPORTED VALUES.	NO COMPUTATIONS.