UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

ANALYSES OF BEDROCK AND STREAM-SEDIMENT SAMPLES FROM THE HAINES-PORCUPINE REGION, SOUTHEASTERN ALASKA

By

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Open-file report

1970

70-369

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Geological Survey standards

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Introduction

This report contains analyses of 171 bedrock samples and 249 stream-sediment samples that were collected during a reconnaissance geochemical survey of part of the Haines-Porcupine region (Skagway 1:250,000 quadrangle), southeastern Alaska (fig. 1). The report also includes statistical summaries of the analytical data. The samples were collected in 1969 by E. M. MacKevett, Jr., G. R. Winkler, D. A. Brew, Donald Grybeck, and R. J. Wehr, as part of the Heavy Metals Program of the U.S. Geological Survey. The boundaries of the sampled region are Glacier Bay National Monument on the south, the Canadian border on the west and north, and the Chilkat River and Takshanuk Mountains on the east. Particular emphasis was placed upon sampling within the Skagway B-3 and B-4 (15') quadrangles. Numerous samples were also collected on the Chilkat Peninsula and in the vicinity of Haines. Sample locations are plotted in figure 1.

Geological knowledge of the Haines-Porcupine region is sketchy and based on reconnaissance mapping supplemental to investigations of the Porcupine placer gold district (Wright, 1904, and Eakin, 1919), on mapping in conjunction with studies of the Klukwan and Haines magnetite deposits (Robertson, 1956, and written commun., 1969), and on reconnaissance mapping in conjunction with the sampling program of 1969.

The region can be divided into two distinctive geologic terranes, separated by a major fault along the Chilkat River. East of the fault

granitic rocks are dominant, with local areas underlain by mafic, ultramafic, greenstone, and graywacke assemblages. West of the fault diverse regional- and contact-metamorphosed rocks are dominant and sporadically distributed granitic plutons are subordinant.

The Porcupine placer gold district was discovered during the rush to the Klondike, and most streams in the region were initially prospected then. A few lode deposits are known in the region. These include lead-silver lodes near Summit Creek, lead-silver-barite lodes north of Glacier Creek and titaniferous magnetite deposits associated with mafic and ultramafic rocks in the Takshanuk Mountains. A large alluvial fan near Klukwan contains titaniferous magnetite of possible economic significance (Robertson, 1956). Preliminary analysis of the geochemical data presented herein indicates local anomalies of a few metals, particularly zinc and molybdenum.

Procedures and treatment of data

The analyzed bedrock samples (table 1: rocks, veins, altered zones) include mineralized specimens high in visible sulfides, vein quartz and calcite without visible metallic minerals, material from sheared and altered zones, and specimens of unmineralized representative rock types (to help determine background values). A descriptive list of bedrock samples has been included. Because of the wide variety of geologic settings represented by these samples, it is not practicable to set overall upper limits for background values. For the same reason, the histogram and statistical summary for each element should be interpreted with caution.

Standard procedures were followed in the collection and preparation of the stream-sediment samples (table 2). Generally, the samples were collected from the active stream channel; often, however, high-water stream deposits immediately adjacent to the active channel were collected.

The bedrock and stream-sediment samples were analyzed for 30 elements by the six-step semiquantitative spectrographic method and for gold by the quantitative atomic absorption method. (Analyses for 29 elements by the spectrographic method and for gold by atomic absorption are given in tables 1 and 2. Semiquantitative spectrographic analyses for gold are omitted.) The spectrographic analyses are 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, and so forth. The precision of a single reported value is approximately plus 100 percent or minus 50 percent. Spectrographic analyses were done by K. J. Curry; atomic absorption analyses were done by R. L. Miller, R. B. Tripp, H. B. King, and A. L. Meier.

Explanation of tables 1 and 2

The tables have three parts: (1) a listing of the analytical data, (2) cumulative frequency distributions and histograms for elements on which there is sufficient data, and (3) a statistical summary that includes geometric means and deviations.

(1) The analytical data is given as values, such as 10.0000 pct. or 7.0000 ppm, which may be qualified by letters, coded as follows: N = not detected, L = present, but less than specified limit of detection, or G = greater than value shown. Note that the right-most zero digits for each analytical value may or may not be significant. (Normally they will not be significant).

(2) The frequency distributions and histograms are given on logarithmic scales and are computed using the reported values as geometric midpoints of classes with the following limits:

Reported value	Limits
1.0	0.83-1.2
1.5	1.2 -1.8
2.0	1.8 -2.6
3.0	2.6 -3.8
5.0	3.8 -5.6
7.0	5.6 -8.3
10.0	8.3 -12.0

The statistics given below the histograms are derived only from data values within the ranges of analytical determination, and are biased if qualified data values are present. Unbiased statistical estimates are given in the statistical summary at the end of each table.

The frequency tables and histogram for gold have been omitted because the classes used in calculating these tables are those used in the semiquantitative spectrographic method and gold was analyzed by the quantitative atomic absorption method. Statistical summaries for arsenic, bismuth, and tungsten are omitted because no values were reported for these elements in bedrock or in stream-sediment samples. Statistical summaries for cadmium, antimony, and tin are omitted because no values were reported for these elements in stream-sediment samples and too few values, for meaningful computations, were reported in bedrock samples.

(3) In the statistical summary, an element is ignored when any data value is qualified with the G (greater than) code. Where none of the data values for an element are qualified, the mean and deviation should be the

same as those given below the histograms. Where data are qualified with the codes N or L, the estimates of geometric mean and deviation are based on a special method for treating censored distributions.

Specified limits of detection

FE PCT (Iron)	MG PCT. (Magnesium)	CA PCT. (Calcium)	TI PCT. (Titanium)	MN PPM (Manganese)	AG PPM (Silver)
0.0500	0.0200	0.0500	0.0020	10.0000	0.5000
AS PPM (Arsenic)	AU PPM (Gold)	B PPM (Boron)	BA PPM (Barium)	BE PPM (Beryllium)	BI PPM (Bismuth)
200.0000	0.0200	10.0000	20.0000	1.0000	10.0000
CD PPM (Cadmium)	CO PPM (Cobalt)	CR PPM (Chromium)	CU PPM (Copper)	LA PPM (Lanthanum)	MO PPM (Molybdenum)
20.0000	5.0000	5.0000	5.0000	20.0000	5.0000
NB PPM (Niobium)	NI PPM (Nickel)	PB PPM (Lead)	SB PPM (Antimony)	SC PPM (Scandium)	SN PPM (Tin)
10.0000	5.0000	10.0000	100.0000	5.0000	10.0000
SR PPM (Strontium)	V PPM (Vanadium)	W PPM (Tungsten)	Y PPM (Yttrium)	ZN PPM (Zinc)	ZR PPM (Zirconium)
100.0000	10.0000	50.0000	10.0000	200.0000	10.0000

Descriptions of rock, vein, and altered zone samples

(All samples are grab samples of the representative material unless otherwise noted. Sample localities are shown by sample numbers plotted on the accompanying map, figure 1.)

Sample number	Description
MK 2B	Carbonaceous schist
MK 3B-2	Meta-tuff(?)
MK 3C-1	Phyllite
MK 3D-1	Quartz pegmatite
MK 4B	Carbonaceous schist
MK 4C-2	Altered quartz-calcite vein
MK 5A	Iron-stained meta-tuff; chip sample across 10-foot zone at 1-foot intervals
MK 5B	Quartz pods and veins; selected sample
MK 5E	Altered zone in phyllite/schist; selected sample
MK 7D-1	Gabbro dike, with scattered pyrite, in limestone
MK 8A-1	Greenstone
MK 8B-2	Pyrite-bearing quartz lens; selected sample
MK 8C	Altered fault zone between schist and limestone; chip sample across 30-foot zone at 1-foot intervals
MK 9F	Meta-tuff
MK 9G	Phyllite
MK 10G	Phyllite/metavolcanic
MK 11A	Metavolcanic
MK 13A	Altered fault zone with quartz pods; chip sample across 12-foot zone at 1-foot intervals
MK 13D-1	Quartz stringers in dark schist and phyllite; selected sample
MK 13E	Quartz stringers in meta-tuff; selected sample
MK 14D	Altered zone in schist; chip sample across 5-foot zone at 6-inch intervals
MK 15C	Pyrite-bearing quartz pods in limestone; selected sample
MK 15F	Dark slate with local pyrite
MK 16D-1	Limestone
MK 18A-1	Dark carbonaceous limestone
MK 19G	Slate
MK 21C-3	Pyrite-sphalerite-bearing quartz vein; float sample from Porcupine Creek gravel
MK 23C	Banded gneiss with local pyrite
MK 25B-2	Porphyritic mafic dike, cutting granite-gneiss
MK 25D	Barite-carbonate vein; float sample from north side of Glacier Creek
MK 27B-1	Altered silicic dike with scattered pyrite
MK 27B-2	Slate with abundant pyrite
MK 27B-3	Pyrite-bearing quartz veinlets that cut both silicic dikes and slate

Sample number	Description
MK 28C-2	Quartz-pyrite-bearing slate; float sample from Porcupine Creek gravel
MK 28D-1	Felsic dike
MK 32A	Iron-stained zone in banded marble
MK 33B-3	Altered vein; selected sample from zone 18 inches wide
MK 33C	Quartz-muscovite veins in granodiorite-gneiss; selected sample
MK 35A-1	Sheared and gouged vein in metavolcanics; selected sample
MK 40A-1	Iron-stained quartz lenses in phyllite; selected sample
MK 40E	Altered zone with quartz veins in schist
MK 42B	Carbonaceous(?) schist
MK 42G	Pyrite-rich schist
MK 48C-3	Sulfide-bearing quartz vein; float in gravel of Kicking Horse River
MK 48D	Sulfide-bearing border facies of granitic rock; selected sample
MK 50A-1	Pyrite-bearing quartz vein in slate; float sample
MK 50A-2	Pyrite-bearing sill in slate; float sample
MK 52B	Sulfide-bearing quartz vein in slate
MK 52E	Slate
MK 52E-1	Sphalerite-galena-bearing quartz vein; float sample
MK 55C-1	Pyrite-sphalerite-bearing vein; float sample from gravel of Glacier Creek
MK 55D-1	Sphalerite-bearing quartz vein; float sample from Glacier Creek
MK 55D-2	Sphalerite-bearing quartz vein; float sample from Glacier Creek
MK 56C	Pyrite-rich dike(?); float sample from moraine of Jarvis Glacier
WK 20C	Dark micaceous schist cut by stringers of pyrite-bearing quartz; selected sample
WK 24D-1	Iron-stained altered zone in limestone; channel sample across 3-foot zone
BD 469B	Biotitic hornblendite
BD 469D	Biotitic hornblendite
BD 470B	Biotitic amphibolite
BD 471E	Hornblende-feldspar granite(?)
BD 473B	Greenstone/amphibolite(?)
BD 473D	Chalcopyrite-epidote-rich greenstone/amphibolite(?)
BD 475B	Phenocrystic greenstone
BD 477B	Amygdaloidal greenstone
BD 478B	Greenstone with minor copper-staining
BD 480B	Greenstone
BD 481B	Altered zone along fault in greenstone with finely disseminated hematite(?)
BD 483B	Greenstone
BD 485B	Fresh volcanic rock (Tertiary?)
BD 486F	Graywacke; composite chip sample
BD 491B	Greenstone with local quartz/epidote amygdules
BD 498B	Greenstone with epidote(?) amygdules

Sample number	Description
BD 504B	Greenstone, locally amygdaloidal
BD 505C	Copper-stained greenstone with quartz-filled fractures
BD 506B	Copper-stained zone in greenstone
BD 508C	Magnetite-bearing biotite hornblendite
BD 508G	Copper-stained hornblendite
BD 508I	Alaskite(?) dike with disseminated sulfide
BD 509B	Hornblendite with plagioclase-rich areas
BD 510B	Hornblendite with variable plagioclase content
BD 510G	Hornblendite
BD 512E	Iron-stained, arsenopyrite-bearing, hornfels
BD 513B	Hornblende-biotite diorite
BD 515B	"Andesite" dike rock
BD 517B	Marble and iron-stained hornfels with pyrrhotite(?)
BD 518B	Iron-stained hornblende-plagioclase rock
BD 519B	Iron-stained hornblende-plagioclase rock
BD 519D	Dark iron-stained phyllite
BD 522B	Pyrite-impregnated amphibolite
BD 524B	Iron-stained phyllite
BD 527B	Chloritized biotite(?)-hornblende tonalite
BD 528B	Altered tonalite
BD 529B	Biotite-hornblende-quartz-plagioclase rock
BD 530B	Gneissic biotite tonalite
BD 530D	Biotite granodiorite(?)
BD 531E	Porphyritic hornblende andesite(?)
BD 531C	Porphyritic hornblende granodiroite (quartz latite?)
BD 532C	Iron-stained hornfels
BD 536B	Biotite granodiroite
BD 536D	Iron-stained, pyrite-impregnated hornfels
BD 537B	Biotite hornfels
BD 537D	Iron-stained biotite hornfels
BD 537H	Pyrite-bearing aphanite dikes
BD 538C	Iron-stained pyrite and pyrrhotite(?)-bearing hornfels
BD 539B	Hornfels with minor pyrrhotite(?), chalcopyrite(?), pyrite dissemination
BD 539E	Iron-stained hornfels
BD 540D	Hornfels
BD 546C	Iron-stained pyrrhotite-bearing hornfels
BD 548A	Biotite granodiorite(?) with molybdenite disseminations
BD 548B	Biotite granodiorite(?) with molybdenite disseminations
BD 548D	Biotite granodiorite with minor pyrite
BD 548F	Mafic dike in granodiorite
BD 549B	Hornfels
BD 549D	Aphanitic sill
BD 550B	Greenstone
BD 550D	Iron-stained argillite
BD 552B	Greenstone
BD 553C	Iron-stained biotite hornfels
BD 554B	Biotite-hornblendite
BD 554D	Magnetite-bearing hornblendite
BD 557B	Biotite hornblendite

Sample number	Description
GK 510B	Iron-stained basalt; float sample
GK 510C	Iron-stained basalt; float sample
GK 511A	Maroon shale
GK 512A	Limy graywacke
GK 513A	Graywacke
GK 514A	Andesite dike
GK 515	Shaly argillite
GK 516	Shaly argillite
GK 518	Graywacke-argillite
GK 519C	Epidotized greenstone with mottled black patches
GK 520	Hematite-stained greenstone
GK 521	Greenstone
GK 523A	Hornblendite dike cutting biotite hornblendite
GK 523B	Biotite hornblendite
GK 523C	Hornblende-bearing diorite dike
GK 524A	Hornblendite
GK 524B	Hornblende-plagioclase(?) dike
GK 525A	Iron-stained quartz-feldspar vein
GK 525B	Hornblende-feldspar pegmatite
GK 525C	Hornblendite transitional into pegmatite
GK 526A	Diorite
GK 526B	Amygdaloidal greenstone
GK 527A	Hornblende diorite
GK 528A	Magnetite-bearing biotite hornblendite
GK 529A	Magnetite-bearing hornblendite
GK 529B	Hornblende diorite dike
GK 529C	Copper-stained hornblendite; selected chip sample
GK 530A	Biotite hornblendite
GK 531	Hornblende-plagioclase(?) gneiss
GK 532	Iron-stained argillite/schist
GK 533	Greenstone
GK 534	Argillite
GK 535	Sandy limestone
GK 536	Dark shaly argillite
GK 538A	Porphyritic basalt
GK 539A	Pyrite-bearing latite dike in phyllite
GK 539B	Shaly limestone
GK 539C	Andesite sill
GK 540	Shaly limestone
GK 541	Pyrite-bearing phyllite
GK 542A	Dark phyllite
GK 542B	Basalt sill
GK 545B	Iron-stained hornfels; float chips
GK 547A	Hornblende diorite
GK 547B	Iron-stained hornfels or argillite
GK 549	Biotite-hornblende granodiorite
GK 551	Biotite-hornblende granodiorite
GK 554B	Pyrite-bearing quartz-epidote veinlet in hornblende diorite
GK 555	Altered iron-stained calcite veins in hornblende diorite

References cited

Eakin, H. M., 1919, The Porcupine gold placer district, Alaska: U.S. Geol. Survey Bull. 699, 29 p.

Robertson, E. C., 1956, Magnetite deposits near Klukwan and Haines, Alaska: U.S. Geol. Survey open-file report, 37 p.

Wright, C. W., 1904, The Porcupine district, Alaska: U.S. Geol. Survey Bull. 236, 35 p.

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	FE PCT.	MG PCT.	CA PCT.	TI PCT.	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MK 2B	0.1500	1.0000	20.0000G	0.1500	70.0000	0.0 N	0.0 N	0.0200L	0.0 N	70.0000
MK 3B-2	15.0000	5.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	150.0000
MK 3C-1	3.0000	1.0000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 3D-1	1.5000	0.0500	0.1000L	0.1000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
MK 4B	3.0000	0.5000	0.1000L	0.3000	70.0000	1.0000	0.0 N	0.0200L	70.0000	3000.0000
MK 4C-2	15.0000	0.7000	5.0000	0.0300	2000.0000	0.5000L	0.0 N	0.0200L	10.0000L	70.0000
MK 5A	7.0000	5.0000	0.1500	0.2000	300.0000	0.5000L	0.0 N	0.0200L	15.0000	2000.0000
MK 5B	1.5000	1.0000	0.1500	0.3000	200.0000	0.5000L	0.0 N	0.0200L	0.0 N	300.0000
MK 5F	10.0000	0.0500	1.5000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	30.0000	3000.0000
MK 7D-1	15.0000	1.5000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	200.0000
MK 8A-1	15.0000	5.0000	2.0000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	10.0000L	150.0000
MK 8B-2	2.0000	5.0000	0.0500	0.0150	70.0000	0.0 N	0.0 N	0.0200L	0.0 N	100.0000
MK 8C	3.0000	0.3000	10.0000	0.3000	1500.0000	0.5000L	0.0 N	0.0200L	70.0000	500.0000
MK 9F	10.0000	7.0000	2.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	20.0000L
MK 9G	3.0000	3.0000	0.7000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 10G	3.0000	1.5000	1.0000	0.3000	500.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 11A	5.0000	1.0000	1.0000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
MK 13A	2.0000	0.7000	0.1500	0.1500	100.0000	0.0 N	0.0 N	0.0200L	10.0000	1500.0000
MK 13D-1	3.0000	0.7000	0.7000	0.3000	500.0000	0.5000L	0.0 N	0.0200L	10.0000L	200.0000
MK 13F	3.0000	0.7000	7.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0200L	0.0 N	20.0000L
MK 14D	7.0000	1.5000	1.5000	0.3000	300.0000	0.0 N	0.0 N	0.0200L	20.0000	200.0000
MK 15C	3.0000	0.0300	5.0000	0.0500	100.0000	0.0 N	0.0 N	0.0200L	0.0 N	150.0000
MK 15F	15.0000	3.0000	0.3000	1.0000	200.0000	0.0 N	0.0 N	0.0200L	70.0000	1000.0000
MK 16D-1	0.1500	1.5000	20.0000G	0.0150	300.0000	0.0 N	0.0 N	0.0200L	0.0 N	20.0000L
MK 18A-1	0.3000	3.0000	20.0000	0.0200	70.0000	0.0 N	0.0 N	0.0200L	0.0 N	20.0000L
MK 19G	15.0000	0.3000	0.3000	1.0000	70.0000	1.5000	0.0 N	0.0200L	30.0000	5000.0000
MK 21C-3	20.0000G	0.0500	0.1500	0.0150	100.0000	2.0000	0.0 N	0.0200L	20.0000	100.0000
MK 23C	5.0000	1.5000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
MK 25B-2	7.0000	3.0000	3.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	300.0000	300.0000
MK 25D	5.0000	0.0200L	0.0200L	0.0150	10.0000L	700.0000	0.0 N	10.0000	0.0 N	5000.0000G
MK 27B-1	7.0000	5.0000	1.5000	0.3000	700.0000	7.0000	0.0 N	0.0200L	0.0 N	2000.0000
MK 27B-2	10.0000	0.3000	0.7000	0.2000	70.0000	5.0000	0.0 N	0.0200	20.0000	2000.0000
MK 27B-3	0.7000	0.7000	7.0000	0.0300	1000.0000	0.5000	0.0 N	0.0200L	0.0 N	300.0000
MK 28C-2	10.0000	1.5000	5.0000	0.0030	1500.0000	0.5000	0.0 N	0.0200L	10.0000	300.0000
MK 28D-1	15.0000	10.0000	7.0000	0.3000	1500.0000	0.5000L	0.0 N	0.0200L	10.0000	150.0000
MK 32A	7.0000	1.0000	7.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	30.0000	300.0000
MK 33B-3	15.0000	3.0000	0.7000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
MK 33C	0.3000	0.0300	0.0500L	0.0150	500.0000	0.0 N	0.0 N	0.0200L	0.0 N	20.0000L
MK 35A-1	2.0000	0.3000	1.5000	0.1000	700.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
MK 40A-1	0.3000	0.0300	0.0500L	0.0050	20.0000	0.0 N	0.0 N	0.0200L	0.0 N	20.0000L
MK 40F	5.0000	1.5000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	10.0000L	100.0000
MK 42B	15.0000	5.0000	2.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 42G	5.0000	1.0000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	100.0000
MK 48C-3	0.7000	0.0700	0.3000	0.0150	70.0000	0.0 N	0.0 N	0.0200	10.0000L	1500.0000
MK 48D	20.0000	5.0000	7.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
MK 50A-1	3.0000	0.7000	0.1500	0.3000	300.0000	0.5000L	0.0 N	0.0200L	15.0000	300.0000
MK 50A-2	15.0000	5.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	700.0000
MK 52B	20.0000G	0.1000	0.5000	0.0070	300.0000	2.0000	0.0 N	0.0200L	20.0000	20.0000L
MK 52F	2.0000	0.5000	0.7000	0.1500	150.0000	0.5000L	0.0 N	0.0200L	30.0000	300.0000
MK 52F-1	15.0000	7.0000	1.5000	1.0000	300.0000	0.5000L	0.0 N	0.0200L	10.0000	200.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
MK 2B	0.0 N	0.0 N	0.0 N	0.0 N	5.0000L	5.0000L	0.0 N	0.0 N	10.0000L	0.0 N
MK 3B-2	0.0 N	0.0 N	0.0 N	70.0000	700.0000	50.0000	20.0000	5.0000L	10.0000	150.0000
MK 3C-1	1.0000L	0.0 N	0.0 N	5.0000L	10.0000	30.0000	20.0000L	0.0 N	10.0000L	7.0000
MK 3D-1	0.0 N	0.0 N	0.0 N	5.0000	5.0000L	7.0000	0.0 N	0.0 N	10.0000L	7.0000
MK 4B	1.0000L	0.0 N	0.0 N	0.0 N	70.0000	50.0000	0.0 N	70.0000	10.0000L	50.0000
MK 4C-2	0.0 N	0.0 N	0.0 N	70.0000	10.0000	300.0000	0.0 N	5.0000L	10.0000L	10.0000
MK 5A	3.0000	0.0 N	0.0 N	0.0 N	5.0000L	15.0000	70.0000	5.0000	150.0000	10.0000
MK 5B	0.0 N	0.0 N	0.0 N	5.0000L	5.0000L	5.0000L	0.0 N	0.0 N	20.0000	7.0000
MK 5E	1.0000L	0.0 N	0.0 N	20.0000	30.0000	70.0000	20.0000	5.0000L	10.0000	30.0000
MK 7D-1	0.0 N	0.0 N	0.0 N	100.0000	150.0000	100.0000	0.0 N	5.0000L	10.0000L	100.0000
MK 8A-1	0.0 N	0.0 N	0.0 N	70.0000	200.0000	50.0000	0.0 N	5.0000L	10.0000L	100.0000
MK 8B-2	0.0 N	0.0 N	0.0 N	5.0000L	5.0000L	10.0000	0.0 N	0.0 N	10.0000L	0.0 N
MK 8C	1.0000L	0.0 N	0.0 N	7.0000	70.0000	50.0000	0.0 N	5.0000L	10.0000L	70.0000
MK 9E	0.0 N	0.0 N	0.0 N	10.0000	70.0000	70.0000	0.0 N	5.0000L	10.0000L	15.0000
MK 9G	1.0000L	0.0 N	0.0 N	15.0000	15.0000	70.0000	0.0 N	5.0000L	10.0000L	20.0000
MK 10G	1.0000	0.0 N	0.0 N	7.0000	15.0000	30.0000	0.0 N	5.0000L	10.0000L	15.0000
MK 11A	1.0000L	0.0 N	0.0 N	5.0000L	15.0000	30.0000	0.0 N	5.0000L	10.0000L	10.0000
MK 13A	3.0000	0.0 N	0.0 N	5.0000L	10.0000	10.0000	300.0000	5.0000	500.0000	5.0000L
MK 13D-1	0.0 N	0.0 N	0.0 N	5.0000L	15.0000	70.0000	0.0 N	5.0000L	10.0000L	50.0000
MK 13E	0.0 N	0.0 N	0.0 N	0.0 N	5.0000L	5.0000L	0.0 N	0.0 N	10.0000L	10.0000
MK 14D	0.0 N	0.0 N	0.0 N	7.0000	50.0000	70.0000	0.0 N	5.0000L	10.0000	20.0000
MK 15C	0.0 N	0.0 N	0.0 N	5.0000L	5.0000L	30.0000	0.0 N	0.0 N	10.0000L	20.0000
MK 15E	1.0000L	0.0 N	0.0 N	5.0000	150.0000	20.0000	20.0000L	5.0000L	10.0000L	30.0000
MK 16D-1	0.0 N	0.0 N	0.0 N	0.0 N	5.0000L	5.0000L	0.0 N	0.0 N	10.0000L	0.0 N
MK 18A-1	0.0 N	0.0 N	0.0 N	0.0 N	10.0000	5.0000L	0.0 N	0.0 N	10.0000L	0.0 N
MK 19G	0.0 N	0.0 N	0.0 N	0.0 N	15.0000	15.0000	70.0000	70.0000	10.0000L	0.0 N
MK 21C-3	0.0 N	0.0 N	500.0000G	150.0000	20.0000	7000.0000	0.0 N	5.0000	10.0000L	200.0000
MK 23C	0.0 N	0.0 N	0.0 N	7.0000	15.0000	15.0000	0.0 N	0.0 N	10.0000	10.0000
MK 25B-2	0.0 N	0.0 N	0.0 N	20.0000	150.0000	15.0000	0.0 N	0.0 N	10.0000	15.0000
MK 25D	0.0 N	0.0 N	0.0 N	0.0 N	30.0000	500.0000	0.0 N	5.0000	10.0000	0.0 N
MK 27B-1	0.0 N	0.0 N	0.0 N	20.0000	700.0000	10.0000	0.0 N	0.0 N	10.0000	100.0000
MK 27B-2	0.0 N	0.0 N	0.0 N	15.0000	70.0000	70.0000	0.0 N	30.0000	10.0000	100.0000
MK 27B-3	0.0 N	0.0 N	0.0 N	0.0 N	150.0000	5.0000L	0.0 N	0.0 N	10.0000L	15.0000
MK 28C-2	0.0 N	0.0 N	0.0 N	7.0000	5.0000L	5.0000L	0.0 N	0.0 N	10.0000	20.0000
MK 28D-1	0.0 N	0.0 N	0.0 N	70.0000	3000.0000	70.0000	0.0 N	0.0 N	10.0000	1000.0000
MK 32A	1.5000	0.0 N	0.0 N	15.0000	100.0000	30.0000	20.0000L	25.0000L	10.0000	70.0000
MK 33B-3	0.0 N	0.0 N	0.0 N	50.0000	150.0000	300.0000	0.0 N	5.0000L	10.0000L	70.0000
MK 33C	0.0 N	0.0 N	0.0 N	5.0000L	5.0000L	7.0000	0.0 N	0.0 N	10.0000L	10.0000
MK 35A-1	1.0000L	0.0 N	0.0 N	0.0 N	5.0000L	10.0000	0.0 N	0.0 N	10.0000L	20.0000
MK 40A-1	1.0000L	0.0 N	0.0 N	5.0000L	10.0000	5.0000L	0.0 N	0.0 N	10.0000L	10.0000
MK 40E	1.0000L	0.0 N	0.0 N	10.0000L	5.0000	70.0000L	0.0 N	0.0 N	10.0000	30.0000
MK 42B	1.0000L	0.0 N	0.0 N	50.0000	150.0000	10.0000	0.0 N	5.0000L	10.0000	70.0000
MK 42C	1.0000	0.0 N	0.0 N	5.0000	20.0000	70.0000	0.0 N	0.0 N	10.0000L	15.0000
MK 48C-3	0.0 N	0.0 N	0.0 N	0.0 N	5.0000L	5.0000	0.0 N	0.0 N	10.0000L	0.0 N
MK 48D	1.0000L	0.0 N	0.0 N	50.0000	100.0000	50.0000	0.0 N	5.0000	10.0000	50.0000
MK 50A-1	1.0000L	0.0 N	0.0 N	5.0000	5.0000L	50.0000	0.0 N	5.0000L	10.0000	20.0000
MK 50A-2	1.0000	0.0 N	0.0 N	50.0000	70.0000	50.0000	20.0000L	5.0000L	10.0000	5.0000
MK 52B	0.0 N	0.0 N	0.0 N	300.0000	5.0000L	300.0000	0.0 N	7.0000	10.0000	100.0000
MK 52E	1.0000L	0.0 N	0.0 N	20.0000	20.0000	50.0000	0.0 N	5.0000L	10.0000L	50.0000
MK 52E-1	1.0000L	0.0 N	0.0 N	70.0000	150.0000	150.0000	0.0 N	5.0000L	10.0000	70.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MK 2B	10.0000L	0.0 N	0.0 N	0.0 N	700.0000	15.0000	0.0 N	0.0 N	0.0 N	0.0 N
MK 3B-2	0.0 N	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	15.0000	200.0000	70.0000
MK 3C-1	10.0000L	0.0 N	20.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	200.0000L	70.0000
MK 3D-1	0.0 N	0.0 N	15.0000	0.0 N	0.0 N	150.0000	0.0 N	10.0000	200.0000L	0.0 N
MK 4B	20.0000	0.0 N	15.0000	0.0 N	100.0000L	500.0000	0.0 N	10.0000L	200.0000L	70.0000
MK 4C-2	10.0000L	0.0 N	5.0000L	0.0 N	0.0 N	15.0000	0.0 N	0.0 N	200.0000L	0.0 N
MK 5A	10.0000L	0.0 N	5.0000L	0.0 N	0.0 N	15.0000	0.0 N	50.0000	200.0000L	700.0000
MK 5B	0.0 N	0.0 N	5.0000L	0.0 N	0.0 N	15.0000	0.0 N	10.0000	0.0 N	50.0000
MK 5E	20.0000	0.0 N	30.0000	0.0 N	100.0000	200.0000	0.0 N	30.0000	200.0000L	300.0000
MK 7D-1	10.0000L	0.0 N	70.0000	0.0 N	150.0000	500.0000	0.0 N	30.0000	200.0000L	70.0000
MK 8A-1	0.0 N	0.0 N	30.0000	0.0 N	100.0000L	300.0000	0.0 N	20.0000	200.0000L	50.0000
MK 8B-2	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	30.0000	0.0 N	0.0 N	200.0000L	0.0 N
MK 8C	15.0000	0.0 N	10.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	200.0000L	50.0000
MK 9E	10.0000L	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	15.0000	200.0000L	70.0000
MK 9G	0.0 N	0.0 N	15.0000	0.0 N	150.0000	100.0000	0.0 N	20.0000	0.0 N	100.0000
MK 10G	0.0 N	0.0 N	20.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	200.0000L	70.0000
MK 11A	0.0 N	0.0 N	20.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 N	100.0000
MK 13A	0.0 N	0.0 N	5.0000L	20.0000	0.0 N	30.0000	0.0 N	200.0000	0.0 N	9999.0000G
MK 13D-1	0.0 N	0.0 N	5.0000	0.0 N	0.0 N	500.0000	0.0 N	10.0000	1500.0000	70.0000
MK 13E	0.0 N	0.0 N	7.0000	0.0 N	100.0000L	50.0000	0.0 N	10.0000	0.0 N	20.0000
MK 14D	10.0000L	0.0 N	15.0000	0.0 N	100.0000	200.0000	0.0 N	10.0000	0.0 N	70.0000
MK 15C	0.0 N	0.0 N	0.0 N	0.0 N	100.0000L	20.0000	0.0 N	0.0 N	0.0 N	10.0000L
MK 15E	50.0000	0.0 N	20.0000	0.0 N	150.0000	500.0000	0.0 N	20.0000	0.0 N	150.0000
MK 16D-1	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
MK 18A-1	0.0 N	0.0 N	0.0 N	0.0 N	200.0000	15.0000	0.0 N	0.0 N	0.0 N	0.0 N
MK 19G	30.0000	0.0 N	15.0000	0.0 N	150.0000	500.0000	0.0 N	15.0000	0.0 N	70.0000
MK 21C-3	10.0000L	0.0 N	30.0000	0.0 N	100.0000L	10.0000	0.0 N	10.0000L	9999.0000G	10.0000L
MK 23C	0.0 N	0.0 N	10.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	0.0 N	70.0000
MK 25B-2	0.0 N	0.0 N	20.0000	0.0 N	100.0000L	150.0000	0.0 N	10.0000	0.0 N	50.0000
MK 25D	2000.0000G	1500.0000	0.0 N	0.0 N	5000.0000	150.0000	0.0 N	0.0 N	200.0000L	10.0000L
MK 27B-1	300.0000	0.0 N	20.0000	0.0 N	150.0000	150.0000	0.0 N	10.0000	200.0000L	30.0000
MK 27B-2	150.0000	0.0 N	10.0000	0.0 N	100.0000	500.0000	0.0 N	30.0000	200.0000	70.0000
MK 27B-3	30.0000	0.0 N	7.0000	0.0 N	700.0000	30.0000	0.0 N	10.0000	0.0 N	10.0000L
MK 28C-2	30.0000	0.0 N	0.0 N	0.0 N	150.0000	15.0000	0.0 N	10.0000	0.0 N	10.0000L
MK 28D-1	30.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	10.0000	0.0 N	30.0000
MK 32A	15.0000	0.0 N	15.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	200.0000L	70.0000
MK 33B-3	10.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	200.0000L	70.0000
MK 33C	0.0 N	0.0 N	0.0 N	0.0 N	100.0000L	15.0000	0.0 N	10.0000L	0.0 N	10.0000L
MK 35A-1	0.0 N	0.0 N	0.0 N	0.0 N	150.0000	30.0000	0.0 N	10.0000	0.0 N	70.0000
MK 40A-1	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	15.0000	0.0 N	10.0000L	0.0 N	10.0000L
MK 40E	0.0 N	0.0 N	15.0000	0.0 N	100.0000	200.0000	0.0 N	10.0000	200.0000L	30.0000
MK 42B	0.0 N	0.0 N	30.0000	0.0 N	200.0000	200.0000	0.0 N	10.0000	200.0000	30.0000
MK 42G	0.0 N	0.0 N	20.0000	0.0 N	200.0000	200.0000	0.0 N	15.0000	200.0000L	50.0000
MK 48C-3	0.0 N	0.0 N	0.0 N	0.0 N	100.0000L	15.0000	0.0 N	10.0000L	0.0 N	10.0000L
MK 48D	10.0000L	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	50.0000	200.0000L	70.0000
MK 50A-1	10.0000	0.0 N	5.0000	0.0 N	300.0000	70.0000	0.0 N	10.0000	300.0000	70.0000
MK 50A-2	10.0000L	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	20.0000	700.0000	70.0000
MK 52B	10.0000	0.0 N	0.0 N	0.0 N	100.0000L	15.0000	0.0 N	10.0000L	0.0 N	20.0000
MK 52E	0.0 N	0.0 N	7.0000	0.0 N	100.0000L	50.0000	0.0 N	15.0000	200.0000L	70.0000
MK 52E-1	10.0000	0.0 N	30.0000	0.0 N	300.0000	500.0000	0.0 N	20.0000	200.0000L	70.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	FE PCT.	MG PCT.	CA PCT.	TI PCT.	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MK 55C-1	15.0000	1.0000	20.0000	0.0500	2000.0000	0.0 N	0.0 N	0.0200L	10.0000L	700.0000
MK 55D-1	15.0000	0.0500	0.7000	0.0030	100.0000	1.5000	0.0 N	0.0200L	10.0000	20.0000L
MK 55D-2	5.0000	0.0700	1.5000	0.0020L	300.0000	0.5000L	0.0 N	0.0200L	10.0000L	20.0000L
MK 56C	10.0000	0.3000	0.7000	0.7000	70.0000	10.0000	0.0 N	0.0200L	15.0000	5000.0000G
WK 20C	3.0000	0.7000	0.0700	0.3000	200.0000	0.0 N	0.0 N	0.0200L	15.0000	1000.0000
WK 24D-1	2.0000	2.0000	5.0000	0.2000	300.0000	0.5000L	0.0 N	0.0200L	30.0000	1000.0000
BD469B	20.0000G	7.0000	15.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0200L	10.0000	100.0000
BD469D	20.0000G	7.0000	20.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
BD470B	20.0000G	5.0000	15.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
BD471F	20.0000	5.0000	15.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	100.0000
BD473B	20.0000	5.0000	10.0000	1.0000G	200.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
BD473D	20.0000	1.5000	15.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	20.0000L
BD475B	20.0000G	7.0000	7.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	100.0000
BD477B	15.0000	5.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	20.0000L
BD478B	15.0000	3.0000	2.0000	0.7000	1000.0000	0.5000	0.0 N	0.0200L	10.0000	300.0000
BD480B	20.0000	7.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	20.0000L
BD481B	5.0000	2.0000	0.7000	0.3000	500.0000	0.0 N	0.0 N	0.2000L	10.0000L	300.0000
BD483B	20.0000	7.0000	7.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0200L	15.0000	20.0000L
BD485B	20.0000	7.0000	3.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0200L	15.0000	1000.0000
BD486F	15.0000	5.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	100.0000
BD491B	20.0000	7.0000	7.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	20.0000L
BD498B	20.0000	5.0000	10.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
BD504B	15.0000	7.0000	7.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	100.0000
BD505C	15.0000	1.5000	7.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0800	15.0000	20.0000L
BD506B	20.0000	3.0000	7.0000	1.0000G	1500.0000	3.0000	0.0 N	0.4000	10.0000	20.0000L
BD508C	20.0000G	7.0000	10.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
BD508G	20.0000	7.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
BD508I	1.5000	0.3000	0.5000	0.1000	300.0000	0.0 N	0.0 N	0.0200L	10.0000L	150.0000
BD509B	20.0000G	10.0000	15.0000	1.0000G	3000.0000	0.0 N	0.0 N	0.0200L	10.0000L	100.0000
BD510B	20.0000G	7.0000	10.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	150.0000
BD510G	15.0000	7.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
BD512F	15.0000	7.0000	7.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
BD513B	3.0000	1.0000	1.5000	0.3000	300.0000	0.0 N	0.0 N	0.0200L	10.0000L	700.0000
BD515B	3.0000	1.0000	1.5000	0.5000	500.0000	0.0 N	0.0 N	0.0200L	10.0000L	500.0000
BD517B	10.0000	3.0000	3.0000	0.3000	300.0000	0.0 N	0.0 N	0.0200L	10.0000L	200.0000
BD518B	20.0000	7.0000	10.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	100.0000
BD519B	20.0000	5.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	200.0000
BD519D	7.0000	2.0000	2.0000	0.7000	500.0000	1.0000	0.0 N	0.0200L	70.0000	700.0000
BD522B	20.0000	7.0000	5.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
BD524B	7.0000	1.5000	2.0000	1.0000	300.0000	0.0 N	0.0 N	0.0200L	70.0000	500.0000
BD527B	5.0000	1.5000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	700.0000
BD528B	10.0000	1.5000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
BD529B	7.0000	1.5000	3.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	0.0 N	500.0000
BD530B	10.0000	3.0000	3.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
BD530D	0.7000	0.1000	1.0000	0.0300	70.0000	0.0 N	0.0 N	0.0200L	0.0 N	700.0000
BD531F	3.0000	0.7000	1.0000	0.2000	300.0000	0.0 N	0.0 N	0.0200L	0.0 N	700.0000
BD531C	3.0000	0.7000	1.0000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	10.0000L	1000.0000
BD532C	3.0000	0.7000	1.0000	0.3000	150.0000	0.5000L	0.0 N	0.0200L	50.0000	2000.0000
BD536B	1.5000	0.3000	7.0000	0.1500	700.0000	0.0 N	0.0 N	0.0200L	0.0 N	700.0000
BD536D	20.0000	3.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
MK 55C-1	0.0 N	0.0 N	0.0 N	70.0000	15.0000	150.0000	0.0 N	5.0000L	10.0000	30.0000
MK 55D-1	0.0 N	0.0 N	0.0 N	300.0000	10.0000	3000.0000	0.0 N	5.0000	15.0000	300.0000
MK 55D-2	0.0 N	0.0 N	0.0 N	30.0000	5.0000L	150.0000	0.0 N	5.0000L	10.0000	20.0000
MK 56C	1.0000L	0.0 N	0.0 N	70.0000	10.0000	20.0000	0.0 N	10.0000	10.0000	30.0000
WK 20[illegible]	1.0000L	0.0 N	0.0 N	10.0000	30.0000	70.0000	0.0 N	10.0000	10.0000	70.0000
WK 24D-1	1.0000L	0.0 N	0.0 N	5.0000L	70.0000	30.0000	0.0 N	7.0000	10.0000L	50.0000
BD469B	0.0 N	0.0 N	0.0 N	100.0000	15.0000	30.0000	0.0 N	5.0000L	10.0000L	30.0000
BD469D	0.0 N	0.0 N	0.0 N	100.0000	70.0000	30.0000	0.0 N	5.0000L	10.0000L	100.0000
BD470B	1.0000L	0.0 N	0.0 N	70.0000	70.0000	70.0000	0.0 N	5.0000L	10.0000L	50.0000
BD471E	1.0000L	0.0 N	0.0 N	50.0000	300.0000	200.0000	0.0 N	5.0000L	10.0000L	150.0000
BD473B	1.0000L	0.0 N	0.0 N	100.0000	150.0000	300.0000	0.0 N	5.0000L	10.0000	150.0000
BD473D	1.0000L	0.0 N	0.0 N	30.0000	150.0000	300.0000	0.0 N	5.0000L	10.0000	70.0000
BD475B	0.0 N	0.0 N	0.0 N	150.0000	300.0000	150.0000	0.0 N	5.0000L	10.0000L	150.0000
BD477B	0.0 N	0.0 N	0.0 N	70.0000	150.0000	70.0000	0.0 N	5.0000L	10.0000	150.0000
BD478B	0.0 N	0.0 N	0.0 N	50.0000	50.0000	1500.0000	0.0 N	5.0000L	10.0000	70.0000
BD480B	0.0 N	0.0 N	0.0 N	100.0000	700.0000	300.0000	0.0 N	5.0000L	10.0000	150.0000
BD481B	1.0000	0.0 N	0.0 N	15.0000	30.0000	20.0000	30.0000	0.0 N	20.0000	30.0000
BD483B	1.0000L	0.0 N	0.0 N	150.0000	150.0000	300.0000	0.0 N	5.0000	10.0000	150.0000
BD485B	1.0000	0.0 N	0.0 N	30.0000	20.0000	70.0000	20.0000L	5.0000	10.0000	30.0000
BD486F	1.0000L	0.0 N	0.0 N	30.0000	100.0000	150.0000	20.0000L	5.0000L	10.0000	70.0000
BD491B	0.0 N	0.0 N	0.0 N	100.0000	300.0000	300.0000	0.0 N	5.0000L	10.0000	150.0000
BD498B	0.0 N	0.0 N	0.0 N	100.0000	300.0000	70.0000	0.0 N	5.0000L	10.0000L	150.0000
BD504B	1.0000L	0.0 N	0.0 N	70.0000	150.0000	150.0000	0.0 N	5.0000L	10.0000	150.0000
BD505C	1.0000L	0.0 N	0.0 N	30.0000	150.0000	1500.0000	0.0 N	5.0000L	10.0000	70.0000
BD506B	1.0000L	0.0 N	0.0 N	70.0000	150.0000	9999.0000G	0.0 N	5.0000L	10.0000	150.0000
BD508C	0.0 N	0.0 N	0.0 N	150.0000	15.0000	300.0000	0.0 N	5.0000L	10.0000L	100.0000
BD508G	0.0 N	0.0 N	0.0 N	70.0000	150.0000	1500.0000	0.0 N	5.0000L	10.0000	150.0000
BD508I	1.0000L	0.0 N	0.0 N	0.0 N	5.0000L	30.0000	0.0 N	0.0 N	10.0000L	5.0000L
BD509B	0.0 N	0.0 N	0.0 N	150.0000	150.0000	150.0000	0.0 N	5.0000L	10.0000L	150.0000
BD510B	0.0 N	0.0 N	0.0 N	100.0000	5.0000L	700.0000	0.0 N	5.0000L	10.0000	70.0000
BD510G	0.0 N	0.0 N	0.0 N	70.0000	10.0000	300.0000	0.0 N	5.0000L	10.0000	50.0000
BD512F	1.0000L	0.0 N	0.0 N	100.0000	300.0000	70.0000	0.0 N	0.0 N	10.0000	150.0000
BD513B	1.0000	0.0 N	0.0 N	10.0000	15.0000	5.0000	0.0 N	5.0000L	10.0000	15.0000
BD515B	1.5000	0.0 N	0.0 N	15.0000	15.0000	20.0000	0.0 N	5.0000L	10.0000	15.0000
BD517B	0.0 N	0.0 N	0.0 N	100.0000	500.0000	200.0000	0.0 N	0.0 N	10.0000	150.0000
BD518B	0.0 N	0.0 N	0.0 N	70.0000	100.0000	30.0000	0.0 N	5.0000L	10.0000L	50.0000
BD519B	0.0 N	0.0 N	0.0 N	70.0000	10.0000	70.0000	0.0 N	5.0000L	10.0000	20.0000
BD519D	3.0000	0.0 N	0.0 N	30.0000	100.0000	70.0000	20.0000	5.0000L	10.0000	100.0000
BD522B	0.0 N	0.0 N	0.0 N	70.0000	300.0000	70.0000	0.0 N	0.0 N	10.0000	100.0000
BD524B	2.0000	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	0.0 N	10.0000	50.0000
BD527B	1.0000L	0.0 N	0.0 N	7.0000	20.0000	5.0000L	20.0000L	0.0 N	10.0000L	15.0000
BD528B	1.0000L	0.0 N	0.0 N	20.0000	15.0000	7.0000	20.0000L	0.0 N	10.0000	15.0000
BD529B	1.0000L	0.0 N	0.0 N	15.0000	10.0000	7.0000	70.0000	0.0 N	10.0000	10.0000
BD530B	0.0 N	0.0 N	0.0 N	30.0000	150.0000	100.0000	0.0 N	0.0 N	15.0000	50.0000
BD530D	1.0000L	0.0 N	0.0 N	5.0000L	5.0000L	5.0000	0.0 N	0.0 N	10.0000L	7.0000
BD531F	3.0000	0.0 N	0.0 N	5.0000L	5.0000L	5.0000L	30.0000	0.0 N	10.0000	15.0000
BD531C	2.0000	0.0 N	0.0 N	5.0000	5.0000L	5.0000L	70.0000	0.0 N	15.0000	15.0000
BD532C	1.5000	0.0 N	0.0 N	5.0000L	50.0000	50.0000	20.0000L	20.0000	10.0000	70.0000
BD536B	1.0000	0.0 N	0.0 N	0.0 N	10.0000	5.0000	20.0000L	0.0 N	10.0000	7.0000
BD536D	0.0 N	0.0 N	0.0 N	100.0000	10.0000	150.0000	20.0000L	5.0000L	10.0000	15.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MK 55C-1	10.0000	0.0 N	7.0000	0.0 N	300.0000	100.0000	0.0 N	15.0000	200.0000L	20.0000
MK 55D-1	0.0 N	0.0 N	0.0 N	0.0 N	100.0000L	15.0000	0.0 N	10.0000L	200.0000L	10.0000L
MK 55D-2	0.0 N	0.0 N	0.0 N	0.0 N	100.0000L	10.0000	0.0 N	10.0000L	0.0 N	10.0000L
MK 56C	700.0000	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	30.0000	700.0000	70.0000
WK 20[illegible]	20.0000	0.0 N	10.0000	0.0 N	100.0000	500.0000	0.0 N	15.0000	200.0000	70.0000
WK 24D-1	10.0000L	0.0 N	7.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	500.0000	70.0000
BD469B	0.0 N	0.0 N	50.0000	0.0 N	700.0000	700.0000	0.0 N	20.0000	200.0000	30.0000
BD469D	0.0 N	0.0 N	100.0000G	0.0 N	200.0000	700.0000	0.0 N	10.0000	200.0000L	10.0000
BD470B	10.0000L	0.0 N	30.0000	0.0 N	700.0000	500.0000	0.0 N	20.0000	200.0000L	30.0000
BD471E	0.0 N	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	20.0000	200.0000L	70.0000
BD473B	10.0000L	0.0 N	70.0000	0.0 N	150.0000	700.0000	0.0 N	30.0000	200.0000L	100.0000
BD473D	0.0 N	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	30.0000	0.0 N	100.0000
BD475B	0.0 N	0.0 N	70.0000	0.0 N	150.0000	700.0000	0.0 N	30.0000	200.0000L	70.0000
BD477B	0.0 N	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	200.0000L	70.0000
BD478B	0.0 N	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	200.0000L	150.0000
BD480B	10.0000L	0.0 N	30.0000	0.0 N	100.0000L	300.0000	0.0 N	20.0000	200.0000L	70.0000
BD481B	0.0 N	0.0 N	7.0000	0.0 N	100.0000L	70.0000	0.0 N	150.0000	200.0000L	300.0000
BD483B	10.0000L	0.0 N	70.0000	0.0 N	100.0000	700.0000	0.0 N	50.0000	200.0000	70.0000
BD485B	10.0000L	0.0 N	30.0000	0.0 N	100.0000	200.0000	0.0 N	70.0000	200.0000L	300.0000
BD486E	10.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	200.0000L	70.0000
BD491B	0.0 N	0.0 N	70.0000	0.0 N	150.0000	500.0000	0.0 N	30.0000	200.0000	100.0000
BD498B	0.0 N	0.0 N	70.0000	0.0 N	150.0000	500.0000	0.0 N	30.0000	200.0000L	70.0000
BD504B	10.0000L	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	50.0000	200.0000L	300.0000
BD505C	10.0000L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	200.0000L	100.0000
BD506B	10.0000L	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	50.0000	200.0000L	200.0000
BD508C	10.0000L	0.0 N	100.0000	0.0 N	200.0000	700.0000	0.0 N	10.0000	200.0000L	20.0000
BD508G	0.0 N	0.0 N	70.0000	0.0 N	700.0000	700.0000	0.0 N	20.0000	200.0000L	30.0000
BD508I	10.0000L	0.0 N	0.0 N	0.0 N	100.0000L	15.0000	0.0 N	10.0000L	0.0 N	70.0000
BD509B	0.0 N	0.0 N	100.0000	0.0 N	300.0000	700.0000	0.0 N	15.0000	200.0000	30.0000
BD510B	10.0000L	0.0 N	50.0000	0.0 N	300.0000	700.0000	0.0 N	20.0000	200.0000L	10.0000L
BD510G	10.0000L	0.0 N	50.0000	0.0 N	700.0000	700.0000	0.0 N	20.0000	200.0000L	30.0000
BD512F	0.0 N	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	200.0000L	100.0000
BD513B	10.0000L	0.0 N	5.0000	0.0 N	200.0000	50.0000	0.0 N	15.0000	0.0 N	200.0000
BD515B	10.0000L	0.0 N	7.0000	0.0 N	300.0000	70.0000	0.0 N	10.0000	0.0 N	100.0000
BD517B	0.0 N	0.0 N	15.0000	0.0 N	300.0000	70.0000	0.0 N	10.0000L	0.0 N	30.0000
BD518B	10.0000L	0.0 N	50.0000	0.0 N	700.0000	700.0000	0.0 N	10.0000	200.0000L	10.0000L
BD519B	0.0 N	0.0 N	20.0000	0.0 N	500.0000	300.0000	0.0 N	15.0000	200.0000L	20.0000
BD519D	15.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000L	100.0000
BD522B	0.0 N	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	0.0 N	70.0000
BD524B	20.0000	0.0 N	20.0000	0.0 N	100.0000	300.0000	0.0 N	20.0000	200.0000L	150.0000
BD527B	10.0000L	0.0 N	7.0000	0.0 N	300.0000	100.0000	0.0 N	10.0000	0.0 N	70.0000
BD528B	10.0000	0.0 N	7.0000	0.0 N	1500.0000	150.0000	0.0 N	15.0000	200.0000L	70.0000
BD529B	10.0000L	0.0 N	10.0000	0.0 N	500.0000	100.0000	0.0 N	10.0000	200.0000L	70.0000
BD530B	0.0 N	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 N	150.0000
BD530D	10.0000	0.0 N	0.0 N	0.0 N	300.0000	15.0000	0.0 N	10.0000I	0.0 N	70.0000
BD531E	10.0000	0.0 N	10.0000	10.0000L	200.0000	30.0000	0.0 N	30.0000	0.0 N	70.0000
BD531C	15.0000	0.0 N	10.0000	0.0 N	150.0000	30.0000	0.0 N	70.0000	0.0 N	300.0000
BD532C	15.0000	0.0 N	10.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	0.0 N	70.0000
BD536B	10.0000	0.0 N	5.0000L	0.0 N	150.0000	30.0000	0.0 N	15.0000	0.0 N	50.0000
BD536D	0.0 N	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	200.0000L	300.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	FE PCT.	MG PCT.	CA PCT.	TI PCT.	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
BD537B	2.0000	1.0000	1.5000	0.3000	200.0000	0.0 N	0.0 N	0.0200L	0.0 N	1500.0000
BD537D	10.0000	1.5000	2.0000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	10.0000L	3000.0000
BD537H	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
BD538C	7.0000	0.7000	0.7000	0.5000	150.0000	0.5000	0.0 N	0.0200L	30.0000	2000.0000
BD539B	15.0000	2.0000	10.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	1500.0000
BD539F	3.0000	1.5000	1.5000	0.3000	500.0000	0.5000	0.0 N	0.0200L	10.0000	3000.0000
BD540D	15.0000	5.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	700.0000
BD546C	7.0000	1.5000	3.0000	0.5000	700.0000	0.5000L	0.0 N	0.0200L	10.0000L	5000.0000
BD548A	5.0000	5.0000	7.0000	0.5000	1500.0000	0.5000L	0.0 N	0.0200L	10.0000	700.0000
BD548B	1.5000	0.5000	0.7000	0.1000	700.0000	0.5000L	0.0 N	0.0200L	20.0000	700.0000
BD548D	1.5000	0.3000	0.7000	0.1000	500.0000	0.0 N	0.0 N	0.0200L	10.0000	700.0000
BD548F	1.5000	0.3000	0.7000	0.1000	300.0000	0.0 N	0.0 N	0.0200L	15.0000	1000.0000
BD549B	15.0000	2.0000	2.0000	1.0000	700.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
BD549D	1.0000	0.1500	0.5000	0.0700	200.0000	0.0 N	0.0 N	0.0200L	0.0 N	700.0000
BD550B	15.0000	7.0000	10.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
BD550D	7.0000	1.5000	5.0000	0.5000	300.0000	0.5000	0.0 N	0.0200L	15.0000	1500.0000
BD552B	10.0000	3.0000	5.0000	0.7000	1000.0000	0.7000	0.0 N	0.0200L	10.0000L	300.0000
BD553C	15.0000	3.0000	5.0000	1.0000G	1500.0000	0.5000L	0.0 N	0.0200L	10.0000L	200.0000
BD554B	15.0000	7.0000	7.0000	0.7000	1500.0000	0.5000L	0.0 N	0.0200L	10.0000L	200.0000
BD554D	10.0000	7.0000	15.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	100.0000
BD557B	15.0000	10.0000G	1.0000	0.2000	1500.0000	0.0 N	0.0 N	0.0200L	50.0000	100.0000
GK510B	20.0000	7.0000	5.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
GK510C	15.0000	3.0000	2.0000	0.5000	500.0000	0.0 N	0.0 N	0.0200L	15.0000	1500.0000
GK511A	15.0000	3.0000	0.7000	0.7000	2000.0000	0.0 N	0.0 N	0.0200L	50.0000	700.0000
GK512A	15.0000	3.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
GK513A	15.0000	3.0000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	70.0000	700.0000
GK514A	15.0000	5.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	300.0000
GK514B	10.0000	2.0000	10.0000	0.5000	3000.0000	0.0 N	0.0 N	0.0200L	30.0000	300.0000
GK515	15.0000	3.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	500.0000
GK516	15.0000	3.0000	0.7000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	70.0000	700.0000
GK518	15.0000	3.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	50.0000	700.0000
GK519C	20.0000	5.0000	10.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	20.0000L
GK520	20.0000	5.0000	10.0000	1.0000G	2000.0000	0.0 N	0.0 N	0.0200L	10.0000	20.0000L
GK521	20.0000	5.0000	7.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	20.0000L
GK523A	20.0000	7.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
GK523B	15.0000	10.0000	10.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
GK523C	3.0000	0.7000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	700.0000
GK524A	20.0000	7.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	700.0000
GK524B	15.0000	5.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
GK525A	15.0000	5.0000	15.0000	0.0700	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	20.0000L
GK525B	20.0000	5.0000	10.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	150.0000
GK525C	15.0000	5.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	200.0000
GK526A	10.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	150.0000
GK526B	15.0000	5.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	100.0000
GK527A	15.0000	3.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	200.0000
GK528A	15.0000	7.0000	10.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
GK529A	20.0000	7.0000	15.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	20.0000L
GK529B	5.0000	1.0000	7.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
GK529C	15.0000	7.0000	7.0000	0.7000	1500.0000	0.5000L	0.0 N	0.0200L	10.0000	100.0000
GK530A	20.0000	7.0000	7.0000	0.7000	700.0000	0.5000L	0.0 N	0.0200L	10.0000	300.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
BD537B	1.0000	0.0 N	0.0 N	5.0000L	30.0000	30.0000	20.0000L	0.0 N	10.0000L	30.0000
BD537D	0.0 N	0.0 N	0.0 N	30.0000	10.0000	70.0000	0.0 N	7.0000	10.0000	5.0000
BD537H	1.5000	0.0 N	0.0 N	30.0000	50.0000	30.0000	0.0 N	5.0000L	10.0000	30.0000
BD538C	0.0 N	0.0 N	0.0 N	20.0000	50.0000	100.0000	0.0 N	5.0000	10.0000	50.0000
BD539B	1.0000I	0.0 N	0.0 N	30.0000	10.0000	100.0000	0.0 N	5.0000L	10.0000	20.0000
BD539F	1.5000	0.0 N	0.0 N	5.0000L	30.0000	30.0000	20.0000L	7.0000	10.0000L	50.0000
BD540D	1.0000L	0.0 N	0.0 N	50.0000	30.0000	50.0000	0.0 N	5.0000L	10.0000	30.0000
BD546C	0.0 N	0.0 N	0.0 N	70.0000	30.0000	100.0000	0.0 N	5.0000L	10.0000	30.0000
BD548A	1.0000	0.0 N	0.0 N	20.0000	5.0000L	100.0000	20.0000L	5.0000L	10.0000	30.0000
BD548B	2.0000	0.0 N	0.0 N	5.0000L	5.0000L	15.0000	0.0 N	15.0000	10.0000	5.0000
BD548D	2.0000	0.0 N	0.0 N	5.0000L	5.0000L	50.0000	0.0 N	5.0000	10.0000	5.0000
BD548F	1.5000	0.0 N	0.0 N	5.0000L	5.0000L	7.0000	0.0 N	5.0000	10.0000L	5.0000
BD549B	0.0 N	0.0 N	0.0 N	100.0000	30.0000	50.0000	0.0 N	5.0000L	10.0000	30.0000
BD549D	1.0000	0.0 N	0.0 N	0.0 N	5.0000L	5.0000	0.0 N	0.0 N	10.0000	5.0000
BD550B	0.0 N	0.0 N	0.0 N	70.0000	200.0000	7.0000	0.0 N	5.0000L	10.0000	150.0000
BD550D	1.5000	0.0 N	0.0 N	20.0000	100.0000	100.0000	20.0000L	20.0000	10.0000	100.0000
BD552B	1.0000	0.0 N	0.0 N	50.0000	70.0000	70.0000	0.0 N	5.0000L	10.0000	30.0000
BD553C	1.5000	0.0 N	0.0 N	30.0000	5.0000L	200.0000	70.0000	5.0000L	15.0000	5.0000
BD554B	1.0000L	0.0 N	0.0 N	100.0000	5.0000L	150.0000	0.0 N	5.0000L	10.0000	30.0000
BD554D	1.0000L	0.0 N	0.0 N	30.0000	10.0000	7.0000	0.0 N	5.0000L	10.0000	30.0000
BD557B	0.0 N	0.0 N	0.0 N	200.0000	5000.0000	10.0000	0.0 N	5.0000L	10.0000	300.0000
GK510B	0.0 N	0.0 N	0.0 N	70.0000	30.0000	200.0000	0.0 N	5.0000L	10.0000	100.0000
GK510C	1.0000L	0.0 N	0.0 N	15.0000	10.0000	50.0000	0.0 N	5.0000L	10.0000	20.0000
GK511A	1.5000	0.0 N	0.0 N	50.0000	70.0000	70.0000	20.0000L	5.0000L	10.0000	100.0000
GK512A	1.0000	0.0 N	0.0 N	70.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	150.0000
GK513A	1.0000	0.0 N	0.0 N	30.0000	70.0000	70.0000	20.0000L	5.0000L	10.0000	100.0000
GK514A	0.0 N	0.0 N	0.0 N	50.0000	50.0000	150.0000	0.0 N	5.0000L	10.0000	20.0000
GK514B	1.0000L	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000L	50.0000
GK515	1.0000	0.0 N	0.0 N	30.0000	150.0000	50.0000	20.0000L	0.0 N	10.0000	70.0000
GK516	1.5000	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	100.0000
GK518	1.0000	0.0 N	0.0 N	30.0000	100.0000	70.0000	20.0000L	5.0000L	10.0000L	70.0000
GK519C	1.0000L	0.0 N	0.0 N	50.0000	150.0000	10.0000	0.0 N	5.0000L	10.0000	100.0000
GK520	1.0000L	0.0 N	0.0 N	70.0000	150.0000	150.0000	0.0 N	5.0000L	10.0000	150.0000
GK521	1.0000L	0.0 N	0.0 N	70.0000	300.0000	150.0000	0.0 N	5.0000L	10.0000	150.0000
GK523A	0.0 N	0.0 N	0.0 N	70.0000	70.0000	30.0000	0.0 N	5.0000L	10.0000	30.0000
GK523B	0.0 N	0.0 N	0.0 N	70.0000	300.0000	20.0000	0.0 N	5.0000L	10.0000L	150.0000
GK523C	1.5000	0.0 N	0.0 N	5.0000L	30.0000	30.0000	0.0 N	0.0 N	10.0000	10.0000
GK524A	0.0 N	0.0 N	0.0 N	70.0000	5.0000L	700.0000	20.0000L	5.0000L	10.0000	30.0000
GK524B	1.0000L	0.0 N	0.0 N	70.0000	5.0000L	150.0000	20.0000L	5.0000L	10.0000	15.0000
GK525A	0.0 N	0.0 N	0.0 N	30.0000	10.0000	15.0000	0.0 N	5.0000L	10.0000	30.0000
GK525B	0.0 N	0.0 N	0.0 N	70.0000	10.0000	150.0000	20.0000L	5.0000	10.0000	50.0000
GK525C	0.0 N	0.0 N	0.0 N	70.0000	100.0000	7.0000	0.0 N	5.0000L	10.0000	70.0000
GK526A	0.0 N	0.0 N	0.0 N	30.0000	15.0000	100.0000	0.0 N	0.0 N	10.0000	50.0000
GK526B	1.0000L	0.0 N	0.0 N	70.0000	30.0000	150.0000	0.0 N	5.0000L	10.0000	100.0000
GK527A	1.0000L	0.0 N	0.0 N	70.0000	15.0000	30.0000	70.0000	5.0000L	10.0000	20.0000
GK528A	1.0000L	0.0 N	0.0 N	70.0000	5.0000L	70.0000	20.0000L	5.0000L	10.0000	70.0000
GK529A	0.0 N	0.0 N	0.0 N	70.0000	5.0000L	70.0000	20.0000L	5.0000L	10.0000	50.0000
GK529B	1.0000	0.0 N	0.0 N	15.0000	5.0000L	30.0000	20.0000L	0.0 N	10.0000	5.0000L
GK529C	0.0 N	0.0 N	0.0 N	70.0000	5.0000L	700.0000	0.0 N	5.0000L	10.0000	50.0000
GK530A	0.0 N	0.0 N	0.0 N	100.0000	5.0000L	700.0000	0.0 N	5.0000L	10.0000	70.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
BD537B	10.0000L	0.0 N	7.0000	0.0 N	150.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000
BD537D	10.0000L	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	200.0000L	70.0000
BD537H	0.0 N	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	200.0000L	70.0000
BD538C	15.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	10.0000	200.0000L	70.0000
BD539B	10.0000L	0.0 N	20.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	200.0000L	70.0000
BD539F	30.0000	0.0 N	5.0000	0.0 N	150.0000	700.0000	0.0 N	15.0000	700.0000	70.0000
BD540D	10.0000L	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	200.0000L	70.0000
BD546C	0.0 N	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	200.0000L	70.0000
BD548A	15.0000	0.0 N	15.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	200.0000L	100.0000
BD548B	20.0000	0.0 N	0.0 N	0.0 N	200.0000	15.0000	0.0 N	15.0000	0.0 N	100.0000
BD548D	15.0000	0.0 N	0.0 N	0.0 N	200.0000	15.0000	0.0 N	10.0000	0.0 N	70.0000
BD548F	15.0000	0.0 N	0.0 N	0.0 N	300.0000	15.0000	0.0 N	20.0000	0.0 N	150.0000
BD549B	10.0000	0.0 N	30.0000	0.0 N	150.0000	300.0000	0.0 N	50.0000	200.0000L	150.0000
BD549D	20.0000	0.0 N	0.0 N	0.0 N	150.0000	15.0000	0.0 N	15.0000	0.0 N	70.0000
BD550B	0.0 N	0.0 N	50.0000	0.0 N	300.0000	500.0000	0.0 N	30.0000	200.0000L	30.0000
BD550D	10.0000L	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	50.0000	500.0000	100.0000
BD552B	0.0 N	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000L	30.0000
BD553C	15.0000	0.0 N	30.0000	0.0 N	700.0000	150.0000	0.0 N	100.0000	200.0000L	200.0000
BD554B	10.0000L	0.0 N	50.0000	0.0 N	700.0000	500.0000	0.0 N	20.0000	200.0000L	10.0000L
BD554D	10.0000L	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	20.0000	0.0 N	50.0000
BD557B	10.0000L	0.0 N	15.0000	0.0 N	0.0 N	150.0000	0.0 N	10.0000L	200.0000L	10.0000L
GK510B	10.0000L	0.0 N	70.0000	0.0 N	150.0000	700.0000	0.0 N	30.0000	200.0000L	70.0000
GK510C	0.0 N	0.0 N	15.0000	0.0 N	100.0000L	100.0000	0.0 N	50.0000	0.0 N	300.0000
GK511A	15.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	200.0000	70.0000
GK512A	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000L	70.0000
GK513A	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000	100.0000
GK514A	10.0000	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	15.0000	200.0000L	50.0000
GK514B	10.0000L	0.0 N	15.0000	0.0 N	150.0000	200.0000	0.0 N	10.0000	0.0 N	70.0000
GK515	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000L	100.0000
GK516	20.0000	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	200.0000L	150.0000
GK518	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000L	200.0000
GK519C	0.0 N	0.0 N	50.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	200.0000L	100.0000
GK520	10.0000L	0.0 N	50.0000	0.0 N	200.0000	500.0000	0.0 N	30.0000	200.0000L	100.0000
GK521	10.0000L	0.0 N	50.0000	0.0 N	150.0000	500.0000	0.0 N	30.0000	200.0000L	100.0000
GK523A	0.0 N	0.0 N	70.0000	0.0 N	300.0000	500.0000	0.0 N	20.0000	200.0000L	30.0000
GK523B	0.0 N	0.0 N	100.0000	0.0 N	300.0000	150.0000	0.0 N	15.0000	200.0000L	20.0000
GK523C	20.0000	0.0 N	5.0000L	0.0 N	1500.0000	100.0000	0.0 N	15.0000	0.0 N	50.0000
GK524A	0.0 N	0.0 N	30.0000	0.0 N	300.0000	500.0000	0.0 N	15.0000	200.0000L	10.0000
GK524B	10.0000L	0.0 N	30.0000	0.0 N	1500.0000	500.0000	0.0 N	30.0000	200.0000L	70.0000
GK525A	10.0000L	0.0 N	15.0000	0.0 N	300.0000	100.0000	0.0 N	10.0000	0.0 N	10.0000L
GK525B	10.0000	0.0 N	30.0000	0.0 N	1500.0000	1000.0000	0.0 N	20.0000	200.0000L	20.0000
GK525C	10.0000L	0.0 N	50.0000	0.0 N	1000.0000	700.0000	0.0 N	15.0000	200.0000L	15.0000
GK526A	10.0000	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 N	70.0000
GK526B	0.0 N	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	200.0000L	70.0000
GK527A	10.0000L	0.0 N	30.0000	0.0 N	1000.0000	500.0000	0.0 N	50.0000	200.0000L	50.0000
GK528A	10.0000L	0.0 N	70.0000	0.0 N	500.0000	700.0000	0.0 N	20.0000	200.0000L	30.0000
GK529A	10.0000L	0.0 N	70.0000	0.0 N	300.0000	700.0000	0.0 N	20.0000	200.0000L	20.0000
GK529B	10.0000	0.0 N	7.0000	0.0 N	3000.0000	300.0000	0.0 N	15.0000	0.0 N	20.0000
GK529C	10.0000L	0.0 N	70.0000	0.0 N	200.0000	500.0000	0.0 N	15.0000	0.0 N	20.0000
GK530A	10.0000L	0.0 N	70.0000	0.0 N	200.0000	500.0000	0.0 N	10.0000	0.0 N	20.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	FE PCT.	MG PCT.	CA PCT.	TI PCT.	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
GK531	15.0000	7.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
GK532	10.0000	3.0000	2.0000	0.3000	700.0000	0.5000L	0.0 N	0.0200L	10.0000L	150.0000
GK533	15.0000	5.0000	3.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
GK534	3.0000	1.0000	0.2000	0.1500	700.0000	0.0 N	0.0 N	0.0200L	10.0000L	700.0000
GK535	0.1500	1.0000	20.0000G	0.0150	100.0000	0.0 N	0.0 N	0.0200L	0.0 N	20.0000L
GK536	7.0000	1.5000	0.7000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
GK538A	15.0000	5.0000	5.0000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
GK539A	10.0000	3.0000	3.0000	0.5000	500.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
GK539B	0.7000	0.7000	15.0000	0.0300	100.0000	0.0 N	0.0 N	0.0200L	0.0 N	20.0000L
GK539C	15.0000	7.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
GK540	0.7000	10.0000	20.0000G	0.0300	1000.0000	0.0 N	0.0 N	0.0200L	0.0 N	150.0000
GK541	3.0000	1.0000	0.5000	0.7000	200.0000	0.5000L	0.0 N	0.0200L	50.0000	1500.0000
GK542A	1.5000	0.7000	10.0000	0.1000	100.0000	1.5000	0.0 N	0.0200L	70.0000	300.0000
GK542B	15.0000	7.0000	5.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	100.0000
GK545B	15.0000	3.0000	10.0000	0.7000	1500.0000	0.5000L	0.0 N	0.0200L	10.0000	300.0000
GK547A	15.0000	3.0000	5.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	500.0000
GK547B	7.0000	2.0000	2.0000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	10.0000	1500.0000
GK549	10.0000	3.0000	3.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	700.0000
GK551	3.0000	1.0000	2.0000	0.3000	500.0000	0.0 N	0.0 N	0.0200L	0.0 N	700.0000
GK554B	10.0000	1.5000	7.0000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	20.0000	20.0000L
GK555	10.0000	5.0000	7.0000	0.2000	1500.0000	0.0 N	0.0 N	0.0200L	50.0000	1500.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
GK531	0.0 N	0.0 N	0.0 N	70.0000	300.0000	100.0000	20.0000L	5.0000L	10.0000	100.0000
GK532	1.0000L	0.0 N	0.0 N	30.0000	70.0000	200.0000	0.0 N	5.0000L	10.0000	30.0000
GK533	1.0000L	0.0 N	0.0 N	70.0000	150.0000	50.0000	0.0 N	5.0000L	10.0000	70.0000
GK534	2.0000	0.0 N	0.0 N	0.0 N	5.0000L	15.0000	30.0000	0.0 N	10.0000	5.0000
GK535	0.0 N	0.0 N	0.0 N	0.0 N	0.0 N	5.0000	0.0 N	0.0 N	10.0000L	0.0 N
GK536	1.5000	0.0 N	0.0 N	30.0000	100.0000	30.0000	20.0000	0.0 N	10.0000	70.0000
GK538A	1.0000I	0.0 N	0.0 N	70.0000	300.0000	70.0000	0.0 N	0.0 N	10.0000	150.0000
GK539A	1.0000	0.0 N	0.0 N	50.0000	30.0000	50.0000	0.0 N	0.0 N	10.0000	20.0000
GK539B	0.0 N	0.0 N	0.0 N	0.0 N	30.0000	5.0000	0.0 N	0.0 N	10.0000L	15.0000L
GK539C	1.0000L	0.0 N	0.0 N	70.0000	300.0000	70.0000	0.0 N	5.0000L	10.0000L	150.0000
GK540	0.0 N	0.0 N	0.0 N	0.0 N	10.0000	5.0000L	0.0 N	0.0 N	10.0000L	0.0 N
GK541	1.5000	0.0 N	0.0 N	30.0000	100.0000	30.0000	0.0 N	5.0000L	10.0000	150.0000
GK542A	1.0000L	0.0 N	0.0 N	20.0000	70.0000	50.0000	0.0 N	15.0000	10.0000L	150.0000
GK542B	0.0 N	0.0 N	0.0 N	70.0000	300.0000	70.0000	0.0 N	0.0 N	10.0000	150.0000
GK545B	1.0000L	0.0 N	0.0 N	30.0000	150.0000	150.0000	20.0000L	70.0000	10.0000	50.0000
GK547A	1.0000L	0.0 N	0.0 N	30.0000	10.0000	50.0000	20.0000	5.0000L	10.0000	15.0000
GK547B	1.0000L	0.0 N	0.0 N	5.0000L	50.0000	50.0000	20.0000L	10.0000	10.0000	20.0000
GK549	1.0000	0.0 N	0.0 N	30.0000	30.0000	5.0000	20.0000L	0.0 N	10.0000	20.0000
GK551	1.0000	0.0 N	0.0 N	20.0000	10.0000	5.0000L	0.0 N	0.0 N	10.0000	10.0000
GK554B	0.0 N	0.0 N	0.0 N	50.0000	20.0000	5.0000L	20.0000L	5.0000L	10.0000	15.0000
GK555	0.0 N	0.0 N	0.0 N	30.0000	20.0000	20.0000	20.0000L	5.0000L	10.0000	30.0000

TABLE 1

ROCKS, VEINS, ALTERED ZONES

SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
GK531	10.0000L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	0.0 N	70.0000
GK532	10.0000L	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	0.0 N	70.0000
GK533	0.0 N	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	200.0000L	70.0000
GK534	30.0000	0.0 N	0.0 N	0.0 N	300.0000	30.0000	0.0 N	15.0000	0.0 N	70.0000
GK535	0.0 N	0.0 N	0.0 N	0.0 N	700.0000	15.0000	0.0 N	10.0000L	0.0 N	10.0000L
GK536	20.0000	0.0 N	20.0000	0.0 N	150.0000	150.0000	0.0 N	20.0000	200.0000L	200.0000
GK538A	0.0 N	0.0 N	30.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	200.0000L	70.0000
GK539A	10.0000	0.0 N	20.0000	0.0 N	700.0000	200.0000	0.0 N	10.0000	200.0000L	70.0000
GK539B	10.0000L	0.0 N	0.0 N	0.0 N	700.0000	50.0000	0.0 N	10.0000	0.0 N	10.0000L
GK539C	10.0000L	0.0 N	30.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	200.0000I	70.0000
GK540	10.0000L	0.0 N	0.0 N	0.0 N	300.0000	10.0000	0.0 N	10.0000L	0.0 N	10.0000L
GK541	10.0000L	0.0 N	20.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	200.0000	150.0000
GK542A	10.0000L	0.0 N	5.0000I	0.0 N	500.0000	700.0000	0.0 N	15.0000	1500.0000	50.0000
GK542B	0.0 N	0.0 N	30.0000	0.0 N	150.0000	200.0000	0.0 N	20.0000	200.0000L	70.0000
GK545B	0.0 N	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	30.0000	200.0000L	70.0000
GK547A	10.0000L	0.0 N	15.0000	0.0 N	700.0000	200.0000	0.0 N	20.0000	200.0000L	70.0000
GK547B	10.0000L	0.0 N	15.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	200.0000L	70.0000
GK549	0.0 N	0.0 N	15.0000	0.0 N	300.0000	150.0000	0.0 N	20.0000	200.0000L	70.0000
GK551	10.0000L	0.0 N	7.0000	0.0 N	300.0000	70.0000	0.0 N	15.0000	0.0 N	150.0000
GK554B	20.0000	0.0 N	20.0000	0.0 N	2000.0000	300.0000	0.0 N	30.0000	200.0000L	70.0000
GK555	20.0000	0.0 N	10.0000	0.0 N	200.0000	70.0000	0.0 N	10.0000	200.0000L	70.0000

TABLE 1

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

TABLE 1

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	3	3	1.75	1.75
1.8E-01 -	2.6E-01	0	3	0.0	1.75
2.6E-01 -	3.8E-01	3	6	1.75	3.51
3.8E-01 -	5.6E-01	0	6	0.0	3.51
5.6E-01 -	8.3E-01	5	11	2.92	6.43
8.3E-01 -	1.2E 00	1	12	0.58	7.02
1.2E 00 -	1.8E 00	8	20	4.68	11.70
1.8E 00 -	2.6E 00	6	26	3.51	15.20
2.6E 00 -	3.8E 00	20	46	11.70	26.90
3.8E 00 -	5.6E 00	10	56	5.85	32.75
5.6E 00 -	8.3E 00	13	69	7.60	40.35
8.3E 00 -	1.2E 01	18	87	10.53	50.88
1.2E 01 -	1.8E 01	51	138	29.82	80.70
1.8E 01 -	2.6E 01	24	162	14.04	94.74

HISTOGRAM FOR COLUMN 1 (FE PCT.)

```
1.5E-01 XX
2.0E-01
3.0E-01 XX
5.0E-01
7.0E-01 XXX
1.0E 00 X
1.5E 00 XXXXX
2.0E 00 XXXX
3.0E 00 XXXXXXXXXXXX
5.0E 00 XXXXXX
7.0E 00 XXXXXXXX
1.0E 01 XXXXXXXXXX
1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 01 XXXXXXXXXXXXXX
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	R	T	G	ANALYTICAL VALUES
0	0	0	0	0	9	162
0.0	0.0			0.0	5.26	

GEOMETRIC MEAN = 6.82482E 00

GEOMETRIC DEVIATION = 3.10365E 00

MAXIMUM = 2.00000E 01

MINIMUM = 1.50000E 01

TABLE 1

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	3	3	1.75	1.75
3.8E-02 -	5.6E-02	4	7	2.34	4.09
5.6E-02 -	8.3E-02	2	9	1.17	5.26
8.3E-02 -	1.2E-01	2	11	1.17	6.43
1.2E-01 -	1.8E-01	1	12	0.58	7.02
1.8E-01 -	2.6E-01	0	12	0.0	7.02
2.6E-01 -	3.8E-01	9	21	5.26	12.28
3.8E-01 -	5.6E-01	3	24	1.75	14.04
5.6E-01 -	8.3E-01	14	38	8.19	22.22
8.3E-01 -	1.2E 00	15	53	8.77	30.99
1.2E 00 -	1.8E 00	19	72	11.11	42.11
1.8E 00 -	2.6E 00	7	79	4.09	46.20
2.6E 00 -	3.8E 00	27	106	15.79	61.99
3.8E 00 -	5.6E 00	29	135	16.96	78.95
5.6E 00 -	8.3E 00	30	165	17.54	96.49
8.3E 00 -	1.2E 01	4	169	2.34	98.83

HISTOGRAM FOR COLUMN 2 (MG PCT.)

```
3.0E-02 XX
5.0E-02 XX
7.0E-02 X
1.0E-01 X
1.5E-01 X
2.0E-01
3.0E-01 XXXXX
5.0E-01 XX
7.0E-01 XXXXXXXX
1.0E 00 XXXXXXXXX
1.5E 00 XXXXXXXXXXX
2.0E 00 XXXX
3.0E 00 XXXXXXXXXXXXXXXX
5.0E 00 XXXXXXXXXXXXXXXXX
7.0E 00 XXXXXXXXXXXXXXXXXX
1.0E 01 XX
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

MAXIMUM = 1.00000E 01

MINIMUM = 3.00000E-02

GEOMETRIC MEAN = 1.85307E 00

GEOMETRIC DEVIATION = 3.82267E 00

N	L	H	B	T	G	ANALYTICAL VALUES
0	1	0	0	0	1	169
0.0	0.58			0.0	0.58	

TABLE 1

FREQUENCY TABLE FOR COLUMN 3 (CA PCT.)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-02 -	5.6E-02	1	1	0.58	0.58
5.6E-02 -	8.3E-02	1	2	0.58	1.17
8.3E-02 -	1.2E-01	0	2	0.0	1.17
1.2E-01 -	1.8E-01	5	7	2.92	4.09
1.8E-01 -	2.6E-01	1	8	0.58	4.68
2.6E-01 -	3.8E-01	3	11	1.75	6.43
3.8E-01 -	5.6E-01	4	15	2.34	8.77
5.6E-01 -	8.3E-01	17	32	9.94	18.71
8.3E-01 -	1.2E 00	7	39	4.09	22.81
1.2E 00 -	1.8E 00	14	53	8.19	30.99
1.8E 00 -	2.6E 00	16	69	9.36	40.35
2.6E 00 -	3.8E 00	13	82	7.60	47.95
3.8E 00 -	5.6E 00	15	97	8.77	56.73
5.6E 00 -	8.3E 00	37	134	21.64	78.36
8.3E 00 -	1.2E 01	16	150	9.36	87.72
1.2E 01 -	1.8E 01	9	159	5.26	92.98
1.8E 01 -	2.6E 01	3	162	1.75	94.74

HISTOGRAM FOR COLUMN 3 (CA PCT.)

```
5.0E-02 X
7.0E-02 X
1.0E-01
1.5E-01 XXX
2.0E-01 X
3.0E-01 XX
5.0E-01 XX
7.0E-01 XXXXXXXXXX
1.0E 00 XXXX
1.5E 00 XXXXXXXX
2.0E 00 XXXXXXXXX
3.0E 00 XXXXXXXX
5.0E 00 XXXXXXXXX
7.0E 00 XXXXXXXXXXXXXXXXXXXXX
1.0E 01 XXXXXXXXX
1.5E 01 XXXXX
2.0E 01 XX
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	R	T	G	ANALYTICAL VALUES
0	5	0	0	0	4	162
0.0	2.92			0.0	2.34	

MAXIMUM = 2.00000E 01

MINIMUM = 5.00000E-02

GEOMETRIC MEAN = 2.82416E 00

GEOMETRIC DEVIATION = 3.50138E 00

TABLE 1

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	2	2	1.17	1.17
3.8E-03 -	5.6E-03	1	3	0.58	1.75
5.6E-03 -	8.3E-03	1	4	0.58	2.34
8.3E-03 -	1.2E-02	0	4	0.0	2.34
1.2E-02 -	1.8E-02	7	11	4.09	6.43
1.8E-02 -	2.6E-02	1	12	0.58	7.02
2.6E-02 -	3.8E-02	5	17	2.92	9.94
3.8E-02 -	5.6E-02	2	19	1.17	11.11
5.6E-02 -	8.3E-02	2	21	1.17	12.28
8.3E-02 -	1.2E-01	7	28	4.09	16.37
1.2E-01 -	1.8E-01	5	33	2.92	19.30
1.8E-01 -	2.6E-01	6	39	3.51	22.81
2.6E-01 -	3.8E-01	28	67	16.37	39.18
3.8E-01 -	5.6E-01	19	86	11.11	50.29
5.6E-01 -	8.3E-01	42	128	24.56	74.85
8.3E-01 -	1.2E 00	30	158	17.54	92.40

HISTOGRAM FOR COLUMN 4 (TI PCT.)

```
3.0E-03 X
5.0E-03 X
7.0E-03 X
1.0E-02
1.5E-02 XXXX
2.0E-02 X
3.0E-02 XXX
5.0E-02 X
7.0E-02 X
1.0E-01 XXXX
1.5E-01 XXX
2.0E-01 XXXX
3.0E-01 XXXXXXXXXXXXXXX
5.0E-01 XXXXXXXXXX
7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E 00 XXXXXXXXXXXXXXXXX
```

N	L	H	R	T	G	ANALYTICAL VALUES
0	1	0	0	0	12	158
0.0	0.58			0.0	7.02	

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

MAXIMUM = 1.00000E 00

MINIMUM = 3.00000E-03

GEOMETRIC MEAN = 3.17739E-01

GEOMETRIC DEVIATION = 3.71614E 00

TABLE 1

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	1	1	0.58	0.58
2.6E 01 -	3.8E 01	0	1	0.0	0.58
3.8E 01 -	5.6E 01	0	1	0.0	0.58
5.6E 01 -	8.3E 01	9	10	5.26	5.85
8.3E 01 -	1.2E 02	7	17	4.09	9.94
1.2E 02 -	1.8E 02	3	20	1.75	11.70
1.8E 02 -	2.6E 02	7	27	4.09	15.79
2.6E 02 -	3.8E 02	15	42	8.77	24.56
3.8E 02 -	5.6E 02	11	53	6.43	30.99
5.6E 02 -	8.3E 02	18	71	10.53	41.52
8.3E 02 -	1.2E 03	25	96	14.62	56.14
1.2E 03 -	1.8E 03	64	160	37.43	93.57
1.8E 03 -	2.6E 03	8	168	4.68	98.25
2.6E 03 -	3.8E 03	2	170	1.17	99.42

HISTOGRAM FOR COLUMN 5 (MN PPM)

```
2.0E 01 X
3.0E 01
5.0E 01
7.0E 01 XXXXX
1.0E 02 XXXX
1.5E 02 XX
2.0E 02 XXXX
3.0E 02 XXXXXXXXX
5.0E 02 XXXXXX
7.0E 02 XXXXXXXXXXX
1.0E 03 XXXXXXXXXXXXXX
1.5E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 03 XXXXX
3.0E 03 X
```

N	L	H	R	T	G	ANALYTICAL VALUES
0	1	0	0	0	0	170
0.0	0.58			0.0	0.0	

MAXIMUM = 3.00000E 03

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 7.05320E 02

GEOMETRIC DEVIATION = 2.73030E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 6 (AG PPM)

LIMITS LOWER	LIMITS UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-01	5.6E-01	6	6	3.51	3.51
5.6E-01	8.3E-01	1	7	0.58	4.09
8.3E-01	1.2E 00	2	9	1.17	5.26
1.2E 00	1.8E 00	3	12	1.75	7.02
1.8E 00	2.6E 00	2	14	1.17	8.19
2.6E 00	3.8E 00	1	15	0.58	8.77
3.8E 00	5.6E 00	1	16	0.58	9.36
5.6E 00	8.3E 00	1	17	0.58	9.94
8.3E 00	1.2E 01	1	18	0.58	10.53
1.2E 01	1.8E 01	0	18	0.0	10.53
1.8E 01	2.6E 01	0	18	0.0	10.53
2.6E 01	3.8E 01	0	18	0.0	10.53
3.8E 01	5.6E 01	0	18	0.0	10.53
5.6E 01	8.3E 01	0	18	0.0	10.53
8.3E 01	1.2E 02	0	18	0.0	10.53
1.2E 02	1.8E 02	0	18	0.0	10.53
1.8E 02	2.6E 02	0	18	0.0	10.53
2.6E 02	3.8E 02	0	18	0.0	10.53
3.8E 02	5.6E 02	0	18	0.0	10.53
5.6E 02	8.3E 02	1	19	0.58	11.11

HISTOGRAM FOR COLUMN 6 (AG PPM)

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

N	L	H	B	T	G	ANALYTICAL VALUES
127	25	0	0	0	0	19
74.27	14.62			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 1.84089E 00

GEOMETRIC DEVIATION = 5.57906E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 9 (B PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	49	49	28.65	28.65
1.2E 01 -	1.8E 01	16	65	9.36	38.01
1.8E 01 -	2.6E 01	9	74	5.26	43.27
2.6E 01 -	3.8E 01	12	86	7.02	50.29
3.8E 01 -	5.6E 01	6	92	3.51	53.80
5.6E 01 -	8.3E 01	8	100	4.68	58.48
8.3E 01 -	1.2E 02	0	100	0.0	58.48
1.2E 02 -	1.8E 02	0	100	0.0	58.48
1.8E 02 -	2.6E 02	0	100	0.0	58.48
2.6E 02 -	3.8E 02	1	101	0.58	59.06

HISTOGRAM FOR COLUMN 9 (B PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXX

2.0E 01 XXXXX

3.0E 01 XXXXXXX

5.0E 01 XXXX

7.0E 01 XXXXX

1.0E 02

1.5E 02

2.0E 02

3.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
26	44	0	0	0	0	101
15.20	25.73			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.71586E 01

GEOMETRIC DEVIATION = 2.01954E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

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	1.17	1.17
8.3E 01 -	1.2E 02	16	18	9.36	10.53
1.2E 02 -	1.8E 02	25	43	14.62	25.15
1.8E 02 -	2.6E 02	10	53	5.85	30.99
2.6E 02 -	3.8E 02	35	88	20.47	51.46
3.8E 02 -	5.6E 02	6	94	3.51	54.97
5.6E 02 -	8.3E 02	25	119	14.62	69.59
8.3E 02 -	1.2E 03	6	125	3.51	73.10
1.2E 03 -	1.8E 03	9	134	5.26	78.36
1.8E 03 -	2.6E 03	5	139	2.92	81.29
2.6E 03 -	3.8E 03	4	143	2.34	83.63
3.8E 03 -	5.6E 03	2	145	1.17	84.80

HISTOGRAM FOR COLUMN 10 (BA PPM)

```
7.0E 01 X
1.0E 02 XXXXXXXXX
1.5E 02 XXXXXXXXXXXXXXX
2.0E 02 XXXXXX
3.0E 02 XXXXXXXXXXXXXXXXXXXX
5.0E 02 XXXX
7.0E 02 XXXXXXXXXXXXXX
1.0E 03 XXXX
1.5E 03 XXXXX
2.0E 03 XXX
3.0E 03 XX
5.0E 03 X
```

N	L	H	R	T	G	ANALYTICAL VALUES
0	24	0	0	0	2	145
0.0	14.04			0.0	1.17	

MAXIMUM = 5.00000E 03

MINIMUM = 7.00000E 01

GEOMETRIC MEAN = 3.64900E 02

GEOMETRIC DEVIATION = 2.66417E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 11 (BE PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E-01 -	1.2E 00	19	19	11.11	11.11
1.2E 00 -	1.8E 00	13	32	7.60	18.71
1.8E 00 -	2.6E 00	5	37	2.92	21.64
2.6E 00 -	3.8E 00	4	41	2.34	23.98

HISTOGRAM FOR COLUMN 11 (BE PPM)

1.0E 00 XXXXXXXXXXX

1.5E 00 XXXXXXXX

2.0E 00 XXX

3.0E 00 XX

N	L	H	B	T	G	ANALYTICAL VALUES
76	54	0	0	0	0	41
44.44	31.58			0.0	0.0	

MAXIMUM = 3.00000E 00

MINIMUM = 1.00000E 00

GEOMETRIC MEAN = 1.37750E 00

GEOMETRIC DEVIATION = 1.43222E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

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	2.92	2.92
5.6E 00 -	8.3E 00	6	11	3.51	6.43
8.3E 00 -	1.2E 01	3	14	1.75	8.19
1.2E 01 -	1.8E 01	8	22	4.68	12.87
1.8E 01 -	2.6E 01	11	33	6.43	19.30
2.6E 01 -	3.8E 01	26	59	15.20	34.50
3.8E 01 -	5.6E 01	13	72	7.60	42.11
5.6E 01 -	8.3E 01	38	110	22.22	64.33
8.3E 01 -	1.2E 02	14	124	8.19	72.51
1.2E 02 -	1.8E 02	5	129	2.92	75.44
1.8E 02 -	2.6E 02	1	130	0.58	76.02
2.6E 02 -	3.8E 02	2	132	1.17	77.19

HISTOGRAM FOR COLUMN 14 (CO PPM)

```
5.0E 00 XXX
7.0E 00 XXXX
1.0E 01 XX
1.5E 01 XXXXX
2.0E 01 XXXXXX
3.0E 01 XXXXXXXXXXXXXX
5.0E 01 XXXXXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXX
1.5E 02 XXX
2.0E 02 X
3.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
18	21	0	0	0	0	132
10.53	12.28			0.0	0.0	

MAXIMUM = 3.000000E 02

MINIMUM = 5.000000E 00

GEOMETRIC MEAN = 4.038838E 01

GEOMETRIC DEVIATION = 2.442606E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 15 (CR PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	1	1	0.58	0.58
5.6E 00 -	8.3E 00	0	1	0.0	0.58
8.3E 00 -	1.2E 01	21	22	12.28	12.87
1.2E 01 -	1.8E 01	14	36	8.19	21.05
1.8E 01 -	2.6E 01	7	43	4.09	25.15
2.6E 01 -	3.8E 01	15	58	8.77	33.92
3.8E 01 -	5.6E 01	7	65	4.09	38.01
5.6E 01 -	8.3E 01	14	79	8.19	46.20
8.3E 01 -	1.2E 02	10	89	5.85	52.05
1.2E 02 -	1.8E 02	26	115	15.20	67.25
1.8E 02 -	2.6E 02	2	117	1.17	68.42
2.6E 02 -	3.8E 02	12	129	7.02	75.44
3.8E 02 -	5.6E 02	1	130	0.58	76.02
5.6E 02 -	8.3E 02	3	133	1.75	77.78
8.3E 02 -	1.2E 03	0	133	0.0	77.78
1.2E 03 -	1.8E 03	0	133	0.0	77.78
1.8E 03 -	2.6E 03	0	133	0.0	77.78
2.6E 03 -	3.8E 03	1	134	0.58	78.36
3.8E 03 -	5.6E 03	1	135	0.58	78.95

HISTOGRAM FOR COLUMN 15 (CR PPM)

```
5.0E 00 X
7.0E 00
1.0E 01 XXXXXXXXXXX
1.5E 01 XXXXXXXX
2.0E 01 XXXX
3.0E 01 XXXXXXXXX
5.0E 01 XXXX
7.0E 01 XXXXXXXX
1.0E 02 XXXXXX
1.5E 02 XXXXXXXXXXXXXXX
2.0E 02 X
3.0E 02 XXXXXXX
5.0E 02 X
7.0E 02 XX
1.0E 03
1.5E 03
2.0E 03
3.0E 03 X
5.0E 03 X
```

	N	L	H	P	T	G	ANALYTICAL VALUES
	1	35	0	0	0	0	135
	0.58	20.47			0.0	0.0	

MAXIMUM = 5.00000E 03

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 5.64432E 01

GEOMETRIC DEVIATION = 3.72870E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 16 (CU PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	8	8	4.68	4.68
5.6E 00 -	8.3E 00	8	16	4.68	9.36
8.3E 00 -	1.2E 01	7	23	4.09	13.45
1.2E 01 -	1.8E 01	7	30	4.09	17.54
1.8E 01 -	2.6E 01	6	36	3.51	21.05
2.6E 01 -	3.8E 01	20	56	11.70	32.75
3.8E 01 -	5.6E 01	19	75	11.11	43.86
5.6E 01 -	8.3E 01	30	105	17.54	61.40
8.3E 01 -	1.2E 02	9	114	5.26	66.67
1.2E 02 -	1.8E 02	16	130	9.36	76.02
1.8E 02 -	2.6E 02	5	135	2.92	78.95
2.6E 02 -	3.8E 02	10	145	5.85	84.80
3.8E 02 -	5.6E 02	1	146	0.58	85.38
5.6E 02 -	8.3E 02	4	150	2.34	87.72
8.3E 02 -	1.2E 03	0	150	0.0	87.72
1.2E 03 -	1.8E 03	3	153	1.75	89.47
1.8E 03 -	2.6E 03	0	153	0.0	89.47
2.6E 03 -	3.8E 03	1	154	0.58	90.06
3.8E 03 -	5.6E 03	0	154	0.0	90.06
5.6E 03 -	8.3E 03	1	155	0.58	90.64

HISTOGRAM FOR COLUMN 16 (CU PPM)

```
      5.0E 00 XXXXX

      7.0E 00 XXXXX

      1.0E 01 XXXX

      1.5E 01 XXXX

      2.0E 01 XXXX

      3.0E 01 XXXXXXXXXXXX

      5.0E 01 XXXXXXXXXXX

      7.0E 01 XXXXXXXXXXXXXXXXX

      1.0E 02 XXXXX

      1.5E 02 XXXXXXXXX

      2.0E 02 XXX

      3.0E 02 XXXXXX

      5.0E 02 X

      7.0E 02 XX

      1.0E 03

      1.5E 03 XX

      2.0E 03

      3.0E 03 X

      5.0E 03

      7.0E 03 X
```

N	L	H	R	T	G	ANALYTICAL VALUES
0	15	0	0	0	1	155
0.0	8.77			0.0	0.58	

MAXIMUM = 7.00000E 03

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 5.73631E 01

GEOMETRIC DEVIATION = 3.91411E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 17 (LA PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	5	5	2.92	2.92
2.6E 01 -	3.8E 01	3	8	1.75	4.68
3.8E 01 -	5.6E 01	0	8	0.0	4.68
5.6E 01 -	8.3E 01	6	14	3.51	8.19
8.3E 01 -	1.2E 02	0	14	0.0	8.19
1.2E 02 -	1.8E 02	0	14	0.0	8.19
1.8E 02 -	2.6E 02	0	14	0.0	8.19
2.6E 02 -	3.8E 02	1	15	0.58	8.77

HISTOGRAM FOR COLUMN 17 (LA PPM)

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

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	B	T	G	ANALYTICAL VALUES
122	34	0	0	0	0	15
71.35	19.88			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 4.28823E 01

GEOMETRIC DEVIATION = 2.18141E 00

TABLE 1

FREQUENCY TABLE FOR COLUMN 18 (MO PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	12	12	7.02	7.02
5.6E 00 -	8.3E 00	4	16	2.34	9.36
8.3E 00 -	1.2E 01	3	19	1.75	11.11
1.2E 01 -	1.8E 01	2	21	1.17	12.28
1.8E 01 -	2.6E 01	2	23	1.17	13.45
2.6E 01 -	3.8E 01	1	24	0.58	14.04
3.8E 01 -	5.6E 01	0	24	0.0	14.04
5.6E 01 -	8.3E 01	3	27	1.75	15.79

HISTOGRAM FOR COLUMN 18 (MO PPM)

```
5.0E 00 XXXXXXX

7.0E 00 XX

1.0E 01 XX

1.5E 01 X

2.0E 01 X

3.0E 01 X

5.0E 01

7.0E 01 XX
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	R	T	G	ANALYTICAL VALUES
51	93	0	0	0	0	27
29.82	54.39			0.0	0.0	

MAXIMUM = 7.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 9.77618E 00

GEOMETRIC DEVIATION = 2.41000E 00

TABLE 1

FREQUENCY TABLE FOR COLUMN 19 (NB PPM)

LIMITS LOWER - UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 - 1.2E 01	110	110	64.33	64.33
1.2E 01 - 1.8E 01	4	114	2.34	66.67
1.8E 01 - 2.6E 01	2	116	1.17	67.84
2.6E 01 - 3.8E 01	0	116	0.0	67.84
3.8E 01 - 5.6E 01	0	116	0.0	67.84
5.6E 01 - 8.3E 01	0	116	0.0	67.84
8.3E 01 - 1.2E 02	0	116	0.0	67.84
1.2E 02 - 1.8E 02	1	117	0.58	68.42
1.8E 02 - 2.6E 02	0	117	0.0	68.42
2.6E 02 - 3.8E 02	0	117	0.0	68.42
3.8E 02 - 5.6E 02	1	118	0.58	69.01

HISTOGRAM FOR COLUMN 19 (NB PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XX

2.0E 01 X

3.0E 01

5.0E 01

7.0E 01

1.0E 02

1.5E 02 X

2.0E 02

3.0E 02

5.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	53	0	0	0	0	118
0.0	30.99			0.0	0.0	

MAXIMUM = 5.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.08498E 01

GEOMETRIC DEVIATION = 1.56512E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 20 (NI PPM)

LIMITS LOWER - UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 - 5.6E 00	8	8	4.68	4.68
5.6E 00 - 8.3E 00	5	13	2.92	7.60
8.3E 00 - 1.2E 01	10	23	5.85	13.45
1.2E 01 - 1.8E 01	15	38	8.77	22.22
1.8E 01 - 2.6E 01	15	53	8.77	30.99
2.6E 01 - 3.8E 01	22	75	12.87	43.86
3.8E 01 - 5.6E 01	18	93	10.53	54.39
5.6E 01 - 8.3E 01	19	112	11.11	65.50
8.3E 01 - 1.2E 02	17	129	9.94	75.44
1.2E 02 - 1.8E 02	25	154	14.62	90.06
1.8E 02 - 2.6E 02	1	155	0.58	90.64
2.6E 02 - 3.8E 02	2	157	1.17	91.81
3.8E 02 - 5.6E 02	0	157	0.0	91.81
5.6E 02 - 8.3E 02	0	157	0.0	91.81
8.3E 02 - 1.2E 03	1	158	0.58	92.40

HISTOGRAM FOR COLUMN 20 (NI PPM)

```
5.0E 00 XXXXX

7.0E 00 XXX

1.0E 01 XXXXXX

1.5E 01 XXXXXXXXX

2.0E 01 XXXXXXXXX

3.0E 01 XXXXXXXXXXXX

5.0E 01 XXXXXXXXXX

7.0E 01 XXXXXXXXXX

1.0E 02 XXXXXXXXXX

1.5E 02 XXXXXXXXXXXXXX

2.0E 02 X

3.0E 02 X

5.0E 02

7.0E 02

1.0E 03 X
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	R	T	G	ANALYTICAL VALUES
9	4	0	0	0	0	158
5.26	2.34			0.0	0.0	

MAXIMUM = 1.00000E 03

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 4.03748E 01

GEOMETRIC DEVIATION = 2.90287E 00

TABLE 1

FREQUENCY TABLE FOR COLUMN 21 (PB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	16	16	9.36	9.36
1.2E 01 -	1.8E 01	15	31	8.77	18.13
1.8E 01 -	2.6E 01	11	42	6.43	24.56
2.6E 01 -	3.8E 01	6	48	3.51	28.07
3.8E 01 -	5.6E 01	1	49	0.58	28.65
5.6E 01 -	8.3E 01	0	49	0.0	28.65
8.3E 01 -	1.2E 02	0	49	0.0	28.65
1.2E 02 -	1.8E 02	1	50	0.58	29.24
1.8E 02 -	2.6E 02	0	50	0.0	29.24
2.6E 02 -	3.8E 02	1	51	0.58	29.82
3.8E 02 -	5.6E 02	0	51	0.0	29.82
5.6E 02 -	8.3E 02	1	52	0.58	30.41

HISTOGRAM FOR COLUMN 21 (PB PPM)

```
1.0E 01 XXXXXXXXX

1.5E 01 XXXXXXXXX

2.0E 01 XXXXXX

3.0E 01 XXXX

5.0E 01 X

7.0E 01

1.0E 02

1.5E 02 X

2.0E 02

3.0E 02 X

5.0E 02

7.0E 02 X
```

N	L	H	R	T	G	ANALYTICAL VALUES
60	58	0	0	0	1	52
35.09	33.92			0.0	0.58	

MAXIMUM = 7.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.85980E 01

GEOMETRIC DEVIATION = 2.27658E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 23 (SC PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	4	4	2.34	2.34
5.6E 00 -	8.3E 00	12	16	7.02	9.36
8.3E 00 -	1.2E 01	9	25	5.26	14.62
1.2E 01 -	1.8E 01	19	44	11.11	25.73
1.8E 01 -	2.6E 01	19	63	11.11	36.84
2.6E 01 -	3.8E 01	50	113	29.24	66.08
3.8E 01 -	5.6E 01	10	123	5.85	71.93
5.6E 01 -	8.3E 01	13	136	7.60	79.53
8.3E 01 -	1.2E 02	3	139	1.75	81.29

HISTOGRAM FOR COLUMN 23 (SC PPM)

```
5.0E 00 XX
7.0E 00 XXXXXXX
1.0E 01 XXXXX
1.5E 01 XXXXXXXXXXX
2.0E 01 XXXXXXXXXXX
3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E 01 XXXXXX
7.0E 01 XXXXXXXX
1.0E 02 XX
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	B	T	G	ANALYTICAL VALUES
24	7	0	0	0	1	139
14.04	4.09			0.0	0.58	

MAXIMUM = 1.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 2.32117E 01

GEOMETRIC DEVIATION = 2.02312E 00

TABLE 1

FREQUENCY TABLE FOR COLUMN 25 (SR PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 01 -	1.2E 02	7	7	4.09	4.09
1.2E 02 -	1.8E 02	32	39	18.71	22.81
1.8E 02 -	2.6E 02	24	63	14.04	36.84
2.6E 02 -	3.8E 02	43	106	25.15	61.99
3.8E 02 -	5.6E 02	14	120	8.19	70.18
5.6E 02 -	8.3E 02	16	136	9.36	79.53
8.3E 02 -	1.2E 03	2	138	1.17	80.70
1.2E 03 -	1.8E 03	4	142	2.34	83.04
1.8E 03 -	2.6E 03	1	143	0.58	83.63
2.6E 03 -	3.8E 03	1	144	0.58	84.21
3.8E 03 -	5.6E 03	1	145	0.58	84.80

HISTOGRAM FOR COLUMN 25 (SR PPM)

```
1.0E 02 XXXX

1.5E 02 XXXXXXXXXXXXXXXXXX

2.0E 02 XXXXXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXXXXXXX

7.0E 02 XXXXXXXXX

1.0E 03 X

1.5E 03 XX

2.0E 03 X

3.0E 03 X

5.0E 03 X
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	B	T	G	ANALYTICAL VALUES
9	17	0	0	0	0	145
5.26	9.94			0.0	0.0	

MAXIMUM = 5.00000E 03

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 2.93769E 02

GEOMETRIC DEVIATION = 2.03772E 00

TABLE 1

FREQUENCY TABLE FOR COLUMN 26 (V PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	3	3	1.75	1.75
1.2E 01 -	1.8E 01	19	22	11.11	12.87
1.8E 01 -	2.6E 01	1	23	0.58	13.45
2.6E 01 -	3.8E 01	8	31	4.68	18.13
3.8E 01 -	5.6E 01	4	35	2.34	20.47
5.6E 01 -	8.3E 01	6	41	3.51	23.98
8.3E 01 -	1.2E 02	8	49	4.68	28.65
1.2E 02 -	1.8E 02	18	67	10.53	39.18
1.8E 02 -	2.6E 02	19	86	11.11	50.29
2.6E 02 -	3.8E 02	40	126	23.39	73.68
3.8E 02 -	5.6E 02	27	153	15.79	89.47
5.6E 02 -	8.3E 02	17	170	9.94	99.42
8.3E 02 -	1.2E 03	1	171	0.58	100.00

HISTOGRAM FOR COLUMN 26 (V PPM)

```
1.0E 01 XX
1.5E 01 XXXXXXXXXXX
2.0E 01 X
3.0E 01 XXXXX
5.0E 01 XX
7.0E 01 XXXX
1.0E 02 XXXXX
1.5E 02 XXXXXXXXXXX
2.0E 02 XXXXXXXXXXX
3.0E 02 XXXXXXXXXXXXXXXXXXXXXXX
5.0E 02 XXXXXXXXXXXXXXXX
7.0E 02 XXXXXXXXXX
1.0E 03 X
```

N	L	H	R	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	171
0.0	0.0			0.0	0.0	

MAXIMUM = 1.00000E 03

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.63556E 02

GEOMETRIC DEVIATION = 3.44269E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 28 (Y PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	29	29	16.96	16.96
1.2E 01 -	1.8E 01	34	63	19.88	36.84
1.8E 01 -	2.6E 01	41	104	23.98	60.82
2.6E 01 -	3.8E 01	32	136	18.71	79.53
3.8E 01 -	5.6E 01	9	145	5.26	84.80
5.6E 01 -	8.3E 01	2	147	1.17	85.96
8.3E 01 -	1.2E 02	1	148	0.58	86.55
1.2E 02 -	1.8E 02	1	149	0.58	87.13
1.8E 02 -	2.6E 02	1	150	0.58	87.72

HISTOGRAM FOR COLUMN 28 (Y PPM)

```
1.0E 01 XXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXX

5.0E 01 XXXXX

7.0E 01 X

1.0E 02 X

1.5E 02 X

2.0E 02 X
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	R	T	G	ANALYTICAL VALUES
7	14	0	0	0	0	150
4.09	8.19			0.0	0.0	

MAXIMUM = 2.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.99692E 01

GEOMETRIC DEVIATION = 1.72890E 00

TABLE 1

FREQUENCY TABLE FOR COLUMN 29 (ZN PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 02 -	2.6E 02	11	11	6.43	6.43
2.6E 02 -	3.8E 02	1	12	0.58	7.02
3.8E 02 -	5.6E 02	2	14	1.17	8.19
5.6E 02 -	8.3E 02	3	17	1.75	9.94
8.3E 02 -	1.2E 03	0	17	0.0	9.94
1.2E 03 -	1.8E 03	2	19	1.17	11.11

HISTOGRAM FOR COLUMN 29 (ZN PPM)

```
2.0E 02 XXXXXX

3.0E 02 X

5.0E 02 X

7.0E 02 XX

1.0E 03

1.5E 03 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
57	94	0	0	0	1	19
33.33	54.97			0.0	0.58	

MAXIMUM = 1.50000E 03

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 3.38999E 02

GEOMETRIC DEVIATION = 2.05850E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

FREQUENCY TABLE FOR COLUMN 30 (ZR PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	2	2	1.17	1.17
1.2E 01 -	1.8E 01	1	3	0.58	1.75
1.8E 01 -	2.6E 01	11	14	6.43	8.19
2.6E 01 -	3.8E 01	14	28	8.19	16.37
3.8E 01 -	5.6E 01	11	39	6.43	22.81
5.6E 01 -	8.3E 01	68	107	39.77	62.57
8.3E 01 -	1.2E 02	17	124	9.94	72.51
1.2E 02 -	1.8E 02	9	133	5.26	77.78
1.8E 02 -	2.6E 02	5	138	2.92	80.70
2.6E 02 -	3.8E 02	7	145	4.09	84.80
3.8E 02 -	5.6E 02	0	145	0.0	84.80
5.6E 02 -	8.3E 02	1	146	0.58	85.38

HISTOGRAM FOR COLUMN 30 (ZR PPM)

```
1.0E 01 X
1.5E 01 X
2.0E 01 XXXXXX
3.0E 01 XXXXXXXX
5.0E 01 XXXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXXXX
1.5E 02 XXXXX
2.0E 02 XXX
3.0E 02 XXXX
5.0E 02
7.0E 02 X
```

N	L	H	R	T	G	ANALYTICAL VALUES
6	18	0	0	0	1	146
3.51	10.53			0.0	0.58	

MAXIMUM = 7.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 6.80528E 01

GEOMETRIC DEVIATION = 2.01743E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 1

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

TABLE 1

A470 STATISTICAL SUMMARY DATE 1/ 9/70

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
FE PCT.	0	0	0	0	0	9	162
MG PCT.	0	1	0	0	0	1	169
CA PCT.	0	5	0	0	0	4	162
TI PCT.	0	1	0	0	0	12	158
MN PPM	0	1	0	0	0	0	170
AG PPM	127	25	0	0	0	0	19
AS PPM	171	0	0	0	0	0	0
AU PPM	0	166	0	0	0	0	5
B PPM	26	44	0	0	0	0	101
BA PPM	0	24	0	0	0	2	145
BE PPM	76	54	0	0	0	0	41
BI PPM	171	0	0	0	0	0	0
CD PPM	170	0	0	0	0	1	0
CO PPM	18	21	0	0	0	0	132
CR PPM	1	35	0	0	0	0	135
CU PPM	0	15	0	0	0	1	155
LA PPM	122	34	0	0	0	0	15
MO PPM	51	93	0	0	0	0	27
NB PPM	0	53	0	0	0	0	118
NI PPM	9	4	0	0	0	0	158
PB PPM	60	58	0	0	0	1	52
SB PPM	170	0	0	0	0	0	1
SC PPM	24	7	0	0	0	1	139
SN PPM	169	1	0	0	0	0	1
SR PPM	9	17	0	0	0	0	145
V PPM	0	0	0	0	0	0	171
W PPM	171	0	0	0	0	0	0
Y PPM	7	14	0	0	0	0	150
ZN PPM	57	94	0	0	0	1	19
ZR PPM	6	18	0	0	0	1	146

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS		
FE PCT.	********	******	9 GREATER THAN VALUES. NO COMPUTATIONS.		
MG PCT.	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.		
CA PCT.	********	******	4 GREATER THAN VALUES. NO COMPUTATIONS.		
TI PCT.	********	******	12 GREATER THAN VALUES. NO COMPUTATIONS.		
MN PPM	686.208984	2.90	1 NOT DETECTED, LESS THAN, OR TRACE VALUES.	170 REPORTED VALUES.	
AG PPM	********	******	152 NOT DETECTED, LESS THAN, OR TRACE VALUES.	19 REPORTED VALUES.	NO COMPUTATIONS.
AS PPM	********	******	171 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
AU PPM	********	******	166 NOT DETECTED, LESS THAN, OR TRACE VALUES.	5 REPORTED VALUES.	NO COMPUTATIONS.
B PPM	9.458104	2.62	70 NOT DETECTED, LESS THAN, OR TRACE VALUES.	101 REPORTED VALUES.	
BA PPM	********	******	2 GREATER THAN VALUES. NO COMPUTATIONS.		
BE PPM	0.455958	2.30	130 NOT DETECTED, LESS THAN, OR TRACE VALUES.	41 REPORTED VALUES.	
BI PPM	********	******	171 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
CD PPM	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.		
CO PPM	19.531540	4.87	39 NOT DETECTED, LESS THAN, OR TRACE VALUES.	132 REPORTED VALUES.	
CR PPM	25.694443	7.11	36 NOT DETECTED, LESS THAN, OR TRACE VALUES.	135 REPORTED VALUES.	
CU PPM	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.		
LA PPM	********	******	156 NOT DETECTED, LESS THAN, OR TRACE VALUES.	15 REPORTED VALUES.	NO COMPUTATIONS.
MO PPM	0.545191	6.46	144 NOT DETECTED, LESS THAN, OR TRACE VALUES.	27 REPORTED VALUES.	
NB PPM	********	******	53 NOT DETECTED, LESS THAN, OR TRACE VALUES.	118 REPORTED VALUES.	NO COMPUTATIONS.
NI PPM	32.410995	3.62	13 NOT DETECTED, LESS THAN, OR TRACE VALUES.	158 REPORTED VALUES.	
PB PPM	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.		
SB PPM	********	******	170 NOT DETECTED, LESS THAN, OR TRACE VALUES.	1 REPORTED VALUES.	NO COMPUTATIONS.

TABLE 1

SC PPM	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.		
SN PPM	********	******	170 NOT DETECTED, LESS THAN, OR TRACE VALUES.	1 REPORTED VALUES.	NO COMPUTATIONS.
SR PPM	225.653717	2.50	26 NOT DETECTED, LESS THAN, OR TRACE VALUES.	145 REPORTED VALUES.	
V PPM	163.555862	3.44	171 SAMPLES AND 171 ANALYTICAL VALUES.		
W PPM	********	******	171 NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
Y PPM	17.194382	1.93	21 NOT DETECTED, LESS THAN, OR TRACE VALUES.	150 REPORTED VALUES.	
ZN PPM	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.		
ZR PPM	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.		

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	FE PCT.	MG PCT.	CA PCT.	TI PCT.	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MK 1A-1	7.0000	1.5000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	700.0000
MK 1A-2	10.0000	3.0000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
MK 1C-1	7.0000	3.0000	2.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 1C-2	15.0000	3.0000	2.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 1D-1	7.0000	2.0000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	20.0000	1000.0000
MK 1D-2	7.0000	2.0000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 3A-1	10.0000	3.0000	3.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	700.0000
MK 3A-2	15.0000	3.0000	5.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	700.0000
MK 3B-1	7.0000	1.5000	0.7000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	70.0000	300.0000
MK 4A-1	5.0000	1.0000	1.5000	0.3000	300.0000	0.5000L	0.0 N	0.0200L	15.0000	500.0000
MK 4A-2	3.0000	1.0000	1.5000	0.3000	500.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
MK 4A-3	5.0000	2.0000	5.0000	0.3000	700.0000	0.5000L	0.0 N	0.0200L	15.0000	500.0000
MK 6B-1	3.0000	0.7000	7.0000	0.3000	500.0000	0.0 N	0.0 N	0.0200L	30.0000	300.0000
MK 6B-2	3.0000	0.7000	7.0000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
MK 7B-1	5.0000	1.5000	1.5000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	10.0000	1000.0000
MK 7B-2	5.0000	1.5000	1.5000	0.5000	700.0000	0.0 N	0.0 N	0.0200L	20.0000	1500.0000
MK 11B-1	20.0000G	3.0000	5.0000	0.5000	700.0000	0.0 N	0.0 N	0.0200L	10.0000L	20.0000L
MK 11B-2	20.0000G	3.0000	2.0000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	10.0000L	20.0000L
MK 11C-1	5.0000	1.5000	3.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 11C-2	7.0000	1.5000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
MK 11C-3	3.0000	1.0000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
MK 11C-4	3.0000	1.0000	3.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
MK 12C-1	15.0000	3.0000	1.5000	1.0000	1500.0000	0.5000L	0.0 N	0.0200L	20.0000	1500.0000
MK 12C-2	20.0000	7.0000	2.0000	1.0000	2000.0000	0.5000	0.0 N	0.0200L	30.0000	1500.0000
MK 12D-1	20.0000	5.0000	3.0000	1.0000	2000.0000	0.5000L	0.0 N	0.0200L	50.0000	700.0000
MK 12D-2	15.0000	3.0000	3.0000	1.0000	2000.0000	0.5000	0.0 N	0.0200L	100.0000	500.0000
MK 13D-1	15.0000	5.0000	3.0000	1.0000	2000.0000	0.5000	0.0 N	0.0200L	30.0000	700.0000
MK 13B-2	15.0000	3.0000	2.0000	0.7000	1500.0000	0.5000L	0.0 N	0.0200L	10.0000	500.0000
MK 15A-2	15.0000	3.0000	2.0000	1.0000	2000.0000	0.7000	0.0 N	0.0200L	20.0000	700.0000
MK 15A-3	15.0000	5.0000	3.0000	1.0000	1500.0000	0.5000	0.0 N	0.0200L	30.0000	700.0000
MK 16B-1	15.0000	7.0000	7.0000	0.7000	1500.0000	0.5000	0.0 N	0.0200L	10.0000	700.0000
MK 16B-2	10.0000	5.0000	7.0000	0.7000	2000.0000	0.7000	0.0 N	0.0200L	15.0000	700.0000
MK 16C-1	20.0000	7.0000	3.0000	1.0000	1500.0000	0.7000	0.0 N	0.0200L	10.0000	700.0000
MK 16C-2	20.0000	5.0000	5.0000	0.7000	1500.0000	0.5000L	0.0 N	0.2000	15.0000	1000.0000
MK 16C-3	20.0000G	7.0000	7.0000	1.0000	3000.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
MK 16D-2	15.0000	7.0000	7.0000	1.0000	3000.0000	0.5000L	0.0 N	0.1000	10.0000	700.0000
MK 16D-3	15.0000	5.0000	7.0000	1.0000	2000.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
MK 17A-1	15.0000	5.0000	7.0000	1.0000	2000.0000	0.5000L	0.0 N	0.0200L	15.0000	1500.0000
MK 17A-2	7.0000	3.0000	2.0000	0.5000	700.0000	0.5000L	0.0 N	0.0200L	10.0000L	1000.0000
MK 17B-1	15.0000	5.0000	5.0000	1.0000	2000.0000	0.5000L	0.0 N	0.0200L	15.0000	1000.0000
MK 17B-2	15.0000	5.0000	5.0000	1.0000	1500.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
MK 17C-1	15.0000	5.0000	7.0000	0.7000	2000.0000	0.5000L	0.0 N	0.0200L	15.0000	500.0000
MK 17C-2	15.0000	7.0000	7.0000	1.0000	1500.0000	0.5000	0.0 N	0.0200L	20.0000	700.0000
MK 17D-1	7.0000	10.0000G	15.0000	0.3000	1500.0000	0.7000	0.0 N	0.0200L	20.0000	300.0000
MK 17D-2	3.0000	10.0000	15.0000	0.3000	1500.0000	0.5000	0.0 N	0.0200L	10.0000	300.0000
MK 19D-1	20.0000	5.0000	7.0000	1.0000	3000.0000	0.5000	0.0 N	0.0200L	20.0000	1000.0000
MK 19D-2	20.0000	5.0000	5.0000	1.0000	3000.0000	0.5000	0.0 N	0.0200L	10.0000	700.0000
MK 20A-1	20.0000	5.0000	5.0000	1.0000	3000.0000	0.7000	0.0 N	0.0200L	10.0000	700.0000
MK 20A-2	20.0000	5.0000	5.0000	1.0000	2000.0000	0.5000	0.0 N	0.0200L	10.0000	1000.0000
MK 20C-1	15.0000	5.0000	5.0000	0.7000	2000.0000	0.7000	0.0 N	0.0200L	15.0000	1500.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
MK 1A-1	1.0000	0.0 N	0.0 N	15.0000	100.0000	50.0000	20.0000	5.0000L	10.0000	50.0000
MK 1A-2	1.0000	0.0 N	0.0 N	20.0000	150.0000	70.0000	30.0000	5.0000L	10.0000	70.0000
MK 1C-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	50.0000	20.0000L	5.0000L	10.0000	70.0000
MK 1C-2	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	50.0000	5.0000L	10.0000	100.0000
MK 1D-1	0.0 N	0.0 N	0.0 N	20.0000	100.0000	30.0000	20.0000	5.0000L	15.0000	70.0000
MK 1D-2	1.0000L	0.0 N	0.0 N	20.0000	150.0000	30.0000	20.0000	5.0000L	10.0000	70.0000
MK 3A-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000	70.0000
MK 3A-2	1.0000L	0.0 N	0.0 N	30.0000	200.0000	30.0000	20.0000	5.0000L	10.0000	100.0000
MK 3B-1	1.0000	0.0 N	0.0 N	20.0000	150.0000	30.0000	50.0000	5.0000L	10.0000	100.0000
MK 4A-1	1.0000L	0.0 N	0.0 N	10.0000	70.0000	10.0000	20.0000L	5.0000L	10.0000	30.0000
MK 4A-2	1.0000	0.0 N	0.0 N	10.0000	70.0000	15.0000	150.0000	5.0000L	10.0000	30.0000
MK 4A-3	1.0000	0.0 N	0.0 N	15.0000	150.0000	20.0000	20.0000L	5.0000L	15.0000	30.0000
MK 6B-1	1.5000	0.0 N	0.0 N	7.0000	30.0000	15.0000	20.0000L	0.0 N	10.0000	30.0000
MK 6B-2	1.5000	0.0 N	0.0 N	5.0000	30.0000	15.0000	20.0000L	0.0 N	10.0000	30.0000
MK 7B-1	1.0000L	0.0 N	0.0 N	15.0000	70.0000	10.0000	20.0000L	5.0000	15.0000	70.0000
MK 7B-2	1.0000L	0.0 N	0.0 N	20.0000	70.0000	20.0000	0.0 N	5.0000	15.0000	70.0000
MK 11B-1	0.0 N	0.0 N	0.0 N	70.0000	30.0000	50.0000	0.0 N	7.0000	10.0000L	100.0000
MK 11B-2	0.0 N	0.0 N	0.0 N	50.0000	30.0000	30.0000	0.0 N	7.0000	10.0000	30.0000
MK 11C-1	1.0000L	0.0 N	0.0 N	15.0000	10.0000	70.0000	0.0 N	0.0 N	10.0000	5.0000L
MK 11C-2	1.0000L	0.0 N	0.0 N	15.0000	5.0000L	70.0000	0.0 N	0.0 N	10.0000	0.0 N
MK 11C-3	1.0000L	0.0 N	0.0 N	7.0000	5.0000L	50.0000	0.0 N	0.0 N	10.0000	0.0 N
MK 11C-4	1.0000L	0.0 N	0.0 N	10.0000	5.0000L	30.0000	0.0 N	0.0 N	10.0000	0.0 N
MK 12C-1	1.0000	0.0 N	0.0 N	30.0000	150.0000	100.0000	30.0000	5.0000L	10.0000	150.0000
MK 12C-2	1.0000	0.0 N	0.0 N	50.0000	200.0000	100.0000	30.0000	5.0000L	10.0000	150.0000
MK 12D-1	1.0000	0.0 N	0.0 N	30.0000	150.0000	100.0000	20.0000	5.0000L	10.0000	100.0000
MK 12D-2	1.0000	0.0 N	0.0 N	20.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	100.0000
MK 13D-1	1.0000	0.0 N	0.0 N	20.0000	150.0000	70.0000	20.0000	5.0000L	10.0000	70.0000
MK 13B-2	0.0 N	0.0 N	0.0 N	20.0000	150.0000	50.0000	50.0000	5.0000L	10.0000	50.0000
MK 15A-2	0.0 N	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	5.0000L	10.0000	70.0000
MK 15A-3	1.0000L	0.0 N	0.0 N	30.0000	150.0000	100.0000	20.0000L	5.0000L	10.0000	100.0000
MK 16B-1	1.0000L	0.0 N	0.0 N	15.0000	150.0000	50.0000	0.0 N	0.0 N	10.0000	70.0000
MK 16B-2	1.0000	0.0 N	0.0 N	10.0000	100.0000	30.0000	20.0000L	0.0 N	10.0000L	50.0000
MK 16C-1	0.0 N	0.0 N	0.0 N	15.0000	300.0000	70.0000	0.0 N	5.0000	10.0000L	70.0000
MK 16C-2	1.0000L	0.0 N	0.0 N	30.0000	150.0000	50.0000	20.0000L	5.0000	10.0000	100.0000
MK 16C-3	0.0 N	0.0 N	0.0 N	70.0000	300.0000	70.0000	20.0000	5.0000	10.0000	150.0000
MK 16D-2	0.0 N	0.0 N	0.0 N	30.0000	150.0000	50.0000	20.0000L	5.0000	10.0000	100.0000
MK 16D-3	0.0 N	0.0 N	0.0 N	20.0000	200.0000	70.0000	0.0 N	5.0000	10.0000	50.0000
MK 17A-1	0.0 N	0.0 N	0.0 N	20.0000	200.0000	50.0000	0.0 N	5.0000	10.0000L	70.0000
MK 17A-2	0.0 N	0.0 N	0.0 N	15.0000	100.0000	30.0000	0.0 N	5.0000L	10.0000	30.0000
MK 17B-1	1.0000L	0.0 N	0.0 N	30.0000	200.0000	50.0000	20.0000L	5.0000L	10.0000L	100.0000
MK 17B-2	0.0 N	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 17C-1	1.0000L	0.0 N	0.0 N	20.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	30.0000
MK 17C-2	0.0 N	0.0 N	0.0 N	50.0000	150.0000	70.0000	20.0000	5.0000L	10.0000	100.0000
MK 17D-1	0.0 N	0.0 N	0.0 N	10.0000	150.0000	30.0000	20.0000L	0.0 N	10.0000L	70.0000
MK 17D-2	0.0 N	0.0 N	0.0 N	7.0000	70.0000	15.0000	0.0 N	0.0 N	10.0000L	30.0000
MK 19D-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000	10.0000L	100.0000
MK 19D-2	0.0 N	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	5.0000	10.0000	70.0000
MK 20A-1	0.0 N	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	7.0000	10.0000	70.0000
MK 20A-2	0.0 N	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	7.0000	10.0000	70.0000
MK 20C-1	1.0000L	0.0 N	0.0 N	20.0000	150.0000	70.0000	20.0000L	5.0000	10.0000	50.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	PB PPM	SB PPM	SC PPM	SN PPM	SR PPM	V PPM	W PPM	Y PPM	ZN PPM	ZR PPM
MK 1A-1	10.0000L	0.0 N	15.0000	0.0 N	200.0000	300.0000	0.0 N	20.0000	200.0000L	100.0000
MK 1A-2	20.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000L	70.0000
MK 1C-1	20.0000	0.0 N	30.0000	0.0 N	300.0000	200.0000	0.0 N	20.0000	200.0000L	100.0000
MK 1C-2	20.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	200.0000L	200.0000
MK 1D-1	10.0000L	0.0 N	15.0000	0.0 N	200.0000	300.0000	0.0 N	30.0000	200.0000L	100.0000
MK 1D-2	0.0 N	0.0 N	20.0000	0.0 N	150.0000	200.0000	0.0 N	30.0000	200.0000L	70.0000
MK 3A-1	10.0000L	0.0 N	20.0000	0.0 N	200.0000	200.0000	0.0 N	20.0000	200.0000L	100.0000
MK 3A-2	10.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	200.0000L	100.0000
MK 3B-1	15.0000	0.0 N	15.0000	0.0 N	150.0000	150.0000	0.0 N	30.0000	200.0000L	70.0000
MK 4A-1	20.0000	0.0 N	10.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 N	100.0000
MK 4A-2	15.0000	0.0 N	10.0000	0.0 N	200.0000	200.0000	0.0 N	30.0000	0.0 N	150.0000
MK 4A-3	20.0000	0.0 N	20.0000	0.0 N	300.0000	200.0000	0.0 N	30.0000	0.0 N	150.0000
MK 6B-1	20.0000	0.0 N	15.0000	0.0 N	200.0000	150.0000	0.0 N	20.0000	0.0 N	150.0000
MK 6B-2	15.0000	0.0 N	10.0000	0.0 N	200.0000	150.0000	0.0 N	15.0000	0.0 N	70.0000
MK 7B-1	10.0000	0.0 N	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	200.0000	70.0000
MK 7B-2	10.0000L	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	200.0000	70.0000
MK 11B-1	0.0 N	0.0 N	50.0000	0.0 N	200.0000	1000.0000	0.0 N	0.0 N	200.0000L	0.0 N
MK 11B-2	10.0000L	0.0 N	30.0000	0.0 N	100.0000	1500.0000	0.0 N	0.0 N	200.0000L	0.0 N
MK 11C-1	10.0000L	0.0 N	10.0000	0.0 N	700.0000	150.0000	0.0 N	20.0000	200.0000L	20.0000
MK 11C-2	10.0000L	0.0 N	15.0000	0.0 N	700.0000	200.0000	0.0 N	20.0000	200.0000L	100.0000
MK 11C-3	0.0 N	0.0 N	7.0000	0.0 N	700.0000	150.0000	0.0 N	15.0000	200.0000L	50.0000
MK 11C-4	0.0 N	0.0 N	7.0000	0.0 N	1000.0000	150.0000	0.0 N	20.0000	200.0000L	50.0000
MK 12C-1	30.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	20.0000	200.0000L	100.0000
MK 12C-2	20.0000	0.0 N	20.0000	0.0 N	150.0000	300.0000	0.0 N	30.0000	200.0000L	100.0000
MK 12D-1	20.0000	0.0 N	20.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	200.0000L	500.0000
MK 12D-2	20.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000	100.0000
MK 13D-1	30.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000L	100.0000
MK 13B-2	15.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	200.0000L	100.0000
MK 15A-2	20.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000	200.0000	100.0000
MK 15A-3	30.0000	0.0 N	15.0000	0.0 N	150.0000	300.0000	0.0 N	15.0000N	200.0000L	70.0000
MK 16B-1	30.0000	0.0 N	15.0000	0.0 N	300.0000	300.0000	0.0 N	15.0000	200.0000L	70.0000
MK 16B-2	20.0000	0.0 N	15.0000	0.0 N	300.0000	200.0000	0.0 N	15.0000	200.0000L	100.0000
MK 16C-1	15.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000L	200.0000
MK 16C-2	15.0000	0.0 N	20.0000	0.0 N	300.0000	500.0000	0.0 N	20.0000	200.0000	70.0000
MK 16C-3	10.0000	0.0 N	30.0000	0.0 N	300.0000	700.0000	0.0 N	50.0000	200.0000L	300.0000
MK 16D-2	10.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	200.0000L	70.0000
MK 16D-3	10.0000L	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000L	70.0000
MK 17A-1	10.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	20.0000	200.0000	100.0000
MK 17A-2	0.0 N	0.0 N	15.0000	0.0 N	150.0000	200.0000	0.0 N	15.0000	200.0000L	70.0000
MK 17B-1	20.0000	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	30.0000	500.0000	200.0000
MK 17B-2	20.0000	0.0 N	30.0000	0.0 N	300.0000	300.0000	0.0 N	30.0000	300.0000	100.0000
MK 17C-1	15.0000	0.0 N	30.0000	0.0 N	700.0000	300.0000	0.0 N	20.0000	300.0000	70.0000
MK 17C-2	100.0000	0.0 N	30.0000	0.0 N	700.0000	500.0000	0.0 N	50.0000	300.0000	70.0000
MK 17D-1	30.0000	0.0 N	15.0000	0.0 N	500.0000	150.0000	0.0 N	15.0000	1500.0000	50.0000
MK 17D-2	10.0000	0.0 N	15.0000	0.0 N	300.0000	30.0000	0.0 N	15.0000	700.0000	30.0000
MK 19D-1	10.0000	0.0 N	30.0000	0.0 N	500.0000	500.0000	0.0 N	30.0000	700.0000	70.0000
MK 19D-2	15.0000	0.0 N	30.0000	0.0 N	300.0000	500.0000	0.0 N	20.0000	300.0000	70.0000
MK 20A-1	15.0000	0.0 N	30.0000	0.0 N	300.0000	500.0000	0.0 N	20.0000	300.0000	70.0000
MK 20A-2	10.0000	0.0 N	30.0000	0.0 N	300.0000	500.0000	0.0 N	20.0000	300.0000	100.0000
MK 20C-1	10.0000	0.0 N	30.0000	0.0 N	500.0000	300.0000	0.0 N	50.0000	200.0000	70.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	FE PCT.	MG PCT.	CA PCT.	TI PCT.	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MK 20C-2	15.0000	5.0000	5.0000	1.0000	1500.0000	0.7000	0.0 N	0.0200L	15.0000	1500.0000
MK 20C-3	20.0000G	7.0000	5.0000	1.0000G	3000.0000	1.0000	0.0 N	0.0200L	10.0000	300.0000
MK 20D-1	15.0000	7.0000	7.0000	1.0000G	2000.0000	0.5000	0.0 N	0.0200L	10.0000	1000.0000
MK 20D-2	15.0000	5.0000	5.0000	1.0000	1500.0000	0.5000	0.0 N	0.0200L	15.0000	700.0000
MK 21C-1	15.0000	5.0000	7.0000	1.0000	2000.0000	0.7000	0.0 N	0.0200L	20.0000	1500.0000
MK 21C-2	20.0000	5.0000	7.0000	1.0000	2000.0000	0.5000	0.0 N	0.0200L	20.0000	1500.0000
MK 21D-1	15.0000	5.0000	7.0000	1.0000	2000.0000	0.5000L	0.0 N	0.0200L	15.0000	1500.0000
MK 21D-2	15.0000	5.0000	10.0000	1.0000	2000.0000	0.5000L	0.0 N	0.0200L	15.0000	1000.0000
MK 22A-1	10.0000	1.0000	2.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	150.0000
MK 22A-2	10.0000	1.0000	2.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	200.0000
MK 22B-1	15.0000	2.0000	2.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
MK 22B-2	15.0000	2.0000	2.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	30.0000	150.0000
MK 22C-1	15.0000	3.0000	2.0000	1.0000	700.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 22C-2	10.0000	1.5000	1.5000	0.7000	500.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
MK 22D	10.0000	1.5000	0.7000	1.0000	500.0000	0.0 N	0.0 N	0.0200L	30.0000	500.0000
MK 22F-1	5.0000	1.5000	3.0000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 22E-2	10.0000	1.5000	2.0000	0.7000	700.0000	0.5000L	0.0 N	0.0200L	10.0000	500.0000
MK 23A	7.0000	2.0000	3.0000	0.7000	1500.0000	0.5000L	0.0 N	0.0200L	15.0000	500.0000
MK 24E-1	10.0000	2.0000	1.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 24E-2	10.0000	1.5000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 25A-1	7.0000	1.5000	1.5000	0.5000	700.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 25A-1	5.0000	1.5000	1.0000	0.5000	700.0000	0.5000L	0.0 N	0.0200L	10.0000	300.0000
MK 25B-3	5.0000	2.0000	1.5000	0.7000	700.0000	0.5000L	0.0 N	0.0200L	0.0 N	300.0000
MK 25B-4	10.0000	2.0000	1.5000	1.0000	700.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 27B-4	20.0000	3.0000	2.0000	1.0000G	1500.0000	0.5000L	0.0 N	1.0000	10.0000	500.0000
MK 27B-5	20.0000	2.0000	2.0000	1.0000	1000.0000	0.5000L	0.0 N	0.3000	10.0000L	700.0000
MK 27C-1	10.0000	1.5000	1.0000	0.5000	500.0000	0.7000	0.0 N	0.0200L	30.0000	3000.0000
MK 27C-2	5.0000	1.0000	1.0000	0.3000	300.0000	1.0000	0.0 N	0.0200L	30.0000	2000.0000
MK 28A-1	7.0000	2.0000	3.0000	0.5000	1000.0000	0.5000L	0.0 N	0.0200L	10.0000	700.0000
MK 28A-2	7.0000	3.0000	3.0000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	10.0000	700.0000
MK 28C-1	10.0000	3.0000	3.0000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	20.0000	300.0000
MK 28D-1	15.0000	2.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 29B-1	15.0000	2.0000	3.0000	1.0000	1000.0000	0.5000L	0.0 N	0.0200L	10.0000	1500.0000
MK 29B-2	10.0000	2.0000	3.0000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	10.0000	1500.0000
MK 29B-3	10.0000	1.5000	1.5000	0.7000	700.0000	0.5000L	0.0 N	0.0200L	10.0000L	1000.0000
MK 29C-1	10.0000	2.0000	3.0000	0.7000	1500.0000	1.0000	0.0 N	0.0200L	10.0000L	700.0000
MK 29C-2	15.0000	2.0000	3.0000	0.7000	1000.0000	0.7000	0.0 N	0.0200L	10.0000	1000.0000
MK 29C-3	5.0000	1.5000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
MK 29D-1	5.0000	1.5000	5.0000	0.3000	1500.0000	0.0 N	0.0 N	0.0200L	5.0000	700.0000
MK 29D-2	10.0000	2.0000	5.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 30A-2	5.0000	1.5000	3.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 30A-3	5.0000	1.5000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 30D-1	5.0000	2.0000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
MK 30D-2	5.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 30E-1	7.0000	2.0000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 30E-2	5.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 31A-1	7.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 31A-2	5.0000	1.5000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 31B-1	5.0000	1.5000	2.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	200.0000
MK 31B-2	7.0000	2.0000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
MK 20C-2	1.0000L	0.0 N	0.0 N	20.0000	150.0000	50.0000	20.0000L	5.0000	10.0000	50.0000
MK 20C-3	0.0 N	0.0 N	0.0 N	70.0000	300.0000	70.0000	20.0000L	5.0000	10.0000	150.0000
MK 20D-1	1.0000L	0.0 N	0.0 N	30.0000	200.0000	50.0000	0.0 N	5.0000L	10.0000	10.0000
MK 20D-2	0.0 N	0.0 N	0.0 N	30.0000	300.0000	50.0000	0.0 N	7.0000	10.0000	100.0000
MK 21C-1	1.0000	0.0 N	0.0 N	20.0000	150.0000	70.0000	20.0000L	7.0000	10.0000	70.0000
MK 21C-2	1.0000L	0.0 N	0.0 N	30.0000	200.0000	70.0000	20.0000L	7.0000	10.0000	100.0000
MK 21D-1	0.0 N	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	5.0000L	10.0000	50.0000
MK 21D-2	0.0 N	0.0 N	0.0 N	20.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	30.0000
MK 22A-1	0.0 N	0.0 N	0.0 N	5.0000	10.0000	20.0000	0.0 N	5.0000L	10.0000L	0.0 N
MK 22A-2	0.0 N	0.0 N	0.0 N	5.0000	10.0000	20.0000	0.0 N	5.0000L	10.0000	0.0 N
MK 22B-1	0.0 N	0.0 N	0.0 N	15.0000	100.0000	70.0000	0.0 N	5.0000L	10.0000	20.0000
MK 22B-2	0.0 N	0.0 N	0.0 N	15.0000	70.0000	70.0000	0.0 N	5.0000L	10.0000	20.0000
MK 22C-1	0.0 N	0.0 N	0.0 N	20.0000	150.0000	150.0000	0.0 N	5.0000L	10.0000	50.0000
MK 22C-2	0.0 N	0.0 N	0.0 N	20.0000	70.0000	100.0000	0.0 N	5.0000L	10.0000	30.0000
MK 22D	1.0000L	0.0 N	0.0 N	20.0000	150.0000	30.0000	20.0000	5.0000L	10.0000	50.0000
MK 22E-1	0.0 N	0.0 N	0.0 N	20.0000	70.0000	70.0000	20.0000	5.0000L	10.0000	50.0000
MK 22E-2	0.0 N	0.0 N	0.0 N	30.0000	150.0000	150.0000	20.0000	5.0000L	10.0000	70.0000
MK 23A	1.0000	0.0 N	0.0 N	15.0000	100.0000	70.0000	100.0000	5.0000L	10.0000	50.0000
MK 24E-1	0.0 N	0.0 N	0.0 N	20.0000	100.0000	30.0000	0.0 N	5.0000L	10.0000L	30.0000
MK 24E-2	0.0 N	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000	30.0000
MK 25A-1	1.0000L	0.0 N	0.0 N	20.0000	100.0000	20.0000	0.0 N	5.0000L	10.0000	30.0000
MK 25A-1	1.0000L	0.0 N	0.0 N	15.0000	100.0000	30.0000	20.0000L	0.0 N	10.0000L	30.0000
MK 25B-3	0.0 N	0.0 N	0.0 N	20.0000	150.0000	50.0000	20.0000L	5.0000L	10.0000L	70.0000
MK 25B-4	1.0000L	0.0 N	0.0 N	20.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000L	70.0000
MK 27B-4	0.0 N	0.0 N	0.0 N	70.0000	500.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 27B-5	0.0 N	0.0 N	0.0 N	50.0000	300.0000	20.0000	0.0 N	5.0000L	10.0000L	50.0000
MK 27C-1	0.0 N	0.0 N	0.0 N	20.0000	150.0000	70.0000	0.0 N	15.0000	10.0000	100.0000
MK 27C-2	1.0000L	0.0 N	0.0 N	15.0000	70.0000	70.0000	20.0000L	5.0000	10.0000	70.0000
MK 28A-1	1.0000L	0.0 N	0.0 N	15.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	50.0000
MK 28A-2	1.0000L	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000	30.0000
MK 28C-1	0.0 N	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	5.0000L	10.0000	30.0000
MK 28D-1	0.0 N	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000	70.0000
MK 29B-1	0.0 N	0.0 N	0.0 N	100.0000	150.0000	200.0000	20.0000L	5.0000L	10.0000	70.0000
MK 29B-2	0.0 N	0.0 N	0.0 N	30.0000	150.0000	50.0000	20.0000L	5.0000L	10.0000	50.0000
MK 29B-3	0.0 N	0.0 N	0.0 N	30.0000	200.0000	70.0000	0.0 N	5.0000L	10.0000	50.0000
MK 29C-1	0.0 N	0.0 N	0.0 N	30.0000	70.0000	50.0000	20.0000L	5.0000L	10.0000	30.0000
MK 29C-2	0.0 N	0.0 N	0.0 N	50.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 29C-3	0.0 N	0.0 N	0.0 N	20.0000	50.0000	15.0000	0.0 N	0.0 N	10.0000L	20.0000
MK 29D-1	1.0000L	0.0 N	0.0 N	15.0000	70.0000	30.0000	20.0000L	5.0000L	10.0000L	30.0000
MK 29D-2	1.0000L	0.0 N	0.0 N	30.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	30.0000
MK 30A-2	1.0000L	0.0 N	0.0 N	15.0000	100.0000	70.0000	0.0 N	5.0000L	10.0000L	30.0000
MK 30A-3	1.0000L	0.0 N	0.0 N	15.0000	150.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
MK 30D-1	1.0000L	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000	70.0000
MK 30D-2	0.0 N	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	0.0 N	10.0000L	70.0000
MK 30E-1	1.0000L	0.0 N	0.0 N	20.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	30.0000
MK 30E-2	0.0 N	0.0 N	0.0 N	15.0000	70.0000	15.0000	20.0000L	0.0 N	10.0000	30.0000
MK 31A-1	0.0 N	0.0 N	0.0 N	20.0000	70.0000	30.0000	0.0 N	5.0000L	10.0000	30.0000
MK 31A-2	1.0000L	0.0 N	0.0 N	15.0000	50.0000	15.0000	0.0 N	5.0000L	10.0000	20.0000
MK 31B-1	0.0 N	0.0 N	0.0 N	20.0000	70.0000	30.0000	0.0 N	0.0 N	10.0000	30.0000
MK 31B-2	1.0000L	0.0 N	0.0 N	20.0000	70.0000	15.0000	20.0000L	0.0 N	10.0000	30.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	PB	PPM	SB	PPM	SC	PPM	SN	PPM	SR	PPM	V	PPM	W	PPM	Y	PPM	ZN	PPM	ZR
MK 20C-2	10.0000L	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	50.0000		300.0000		200.0000	
MK 20C-3	10.0000	0.0	N	30.0000		0.0	N	200.0000		700.0000		0.0	N	50.0000		200.0000L		700.0000	
MK 20D-1	10.0000	0.0	N	30.0000		0.0	N	300.0000		500.0000		0.0	N	30.0000		200.0000L		70.0000	
MK 20D-2	10.0000	0.0	N	30.0000		0.0	N	300.0000		500.0000		0.0	N	30.0000		200.0000L		300.0000	
MK 21C-1	10.0000	0.0	N	30.0000		0.0	N	500.0000		500.0000		0.0	N	50.0000		300.0000		100.0000	
MK 21C-2	10.0000	0.0	N	30.0000		0.0	N	500.0000		500.0000		0.0	N	50.0000		300.0000		100.0000	
MK 21D-1	10.0000	0.0	N	30.0000		0.0	N	300.0000		500.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 21D-2	10.0000	0.0	N	30.0000		0.0	N	500.0000		500.0000		0.0	N	30.0000		200.0000L		70.0000	
MK 22A-1	0.0 N	0.0	N	10.0000		0.0	N	700.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 22A-2	30.0000	0.0	N	7.0000		0.0	N	700.0000		200.0000		0.0	N	10.0000		200.0000L		200.0000	
MK 22B-1	10.0000L	0.0	N	15.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		200.0000L		50.0000	
MK 22B-2	10.0000	0.0	N	15.0000		0.0	N	500.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 22C-1	20.0000	0.0	N	20.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000L		150.0000	
MK 22C-2	10.0000	0.0	N	15.0000		0.0	N	200.0000		300.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 22D	20.0000	0.0	N	20.0000		0.0	N	150.0000		100.0000		0.0	N	20.0000		200.0000L		300.0000	
MK 22F-1	10.0000	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	20.0000		200.0000		70.0000	
MK 22E-2	10.0000	0.0	N	15.0000		0.0	N	150.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 23A	10.0000	0.0	N	20.0000		0.0	N	200.0000		300.0000		0.0	N	30.0000		200.0000		70.0000	
MK 24E-1	10.0000	0.0	N	15.0000		0.0	N	150.0000		200.0000		0.0	N	15.0000		200.0000L		100.0000	
MK 24E-2	15.0000	0.0	N	20.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		200.0000L		150.0000	
MK 25A-1	10.0000	0.0	N	15.0000		0.0	N	150.0000		200.0000		0.0	N	15.0000		0.0 N		70.0000	
MK 25A-1	100.0000	0.0	N	15.0000		0.0	N	150.0000		200.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 25B-3	10.0000	0.0	N	20.0000		0.0	N	150.0000		300.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 25B-4	10.0000	0.0	N	20.0000		0.0	N	150.0000		200.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 27B-4	10.0000	0.0	N	30.0000		0.0	N	200.0000		500.0000		0.0	N	20.0000		200.0000		70.0000	
MK 27B-5	0.0 N	0.0	N	15.0000		0.0	N	100.0000		300.0000		0.0	N	15.0000		200.0000		70.0000	
MK 27C-1	10.0000L	0.0	N	15.0000		0.0	N	150.0000		300.0000		0.0	N	20.0000		300.0000		70.0000	
MK 27C-2	10.0000	0.0	N	15.0000		0.0	N	150.0000		200.0000		0.0	N	15.0000		300.0000		70.0000	
MK 28A-1	10.0000L	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 28A-2	10.0000L	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 28C-1	10.0000L	0.0	N	20.0000		0.0	N	150.0000		300.0000		0.0	N	20.0000		0.0 N		100.0000	
MK 28D-1	10.0000L	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 29B-1	15.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	50.0000		700.0000		70.0000	
MK 29B-2	20.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	30.0000		200.0000L		100.0000	
MK 29B-3	15.0000	0.0	N	20.0000		0.0	N	150.0000		300.0000		0.0	N	30.0000		200.0000L		70.0000	
MK 29C-1	30.0000	0.0	N	20.0000		0.0	N	300.0000		300.0000		0.0	N	15.0000		200.0000		70.0000	
MK 29C-2	30.0000	0.0	N	20.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000		70.0000	
MK 29C-3	10.0000	0.0	N	20.0000		0.0	N	200.0000		200.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 29D-1	10.0000L	0.0	N	20.0000		0.0	N	300.0000		150.0000		0.0	N	30.0000		300.0000		70.0000	
MK 29D-2	10.0000	0.0	N	30.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		300.0000		70.0000	
MK 30A-2	10.0000	0.0	N	15.0000		0.0	N	300.0000		150.0000		0.0	N	15.0000		0.0 N		300.0000	
MK 30A-3	10.0000L	0.0	N	15.0000		0.0	N	300.0000		150.0000		0.0	N	15.0000		0.0 N		70.0000	
MK 30D-1	10.0000	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		0.0 N		70.0000	
MK 30D-2	0.0 N	0.0	N	20.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0 N		70.0000	
MK 30F-1	0.0 N	0.0	N	20.0000		0.0	N	200.0000		150.0000		0.0	N	20.0000		0.0 N		70.0000	
MK 30E-2	0.0 N	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0 N		200.0000	
MK 31A-1	0.0 N	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	15.0000		0.0 N		200.0000	
MK 31A-2	0.0 N	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0 N		70.0000	
MK 31B-1	0.0 N	0.0	N	20.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0 N		70.0000	
MK 31B-2	0.0 N	0.0	N	20.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0 N		70.0000	

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	FE PCT.	MG PCT.	CA PCT.	TI PCT.	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MK 31C	10.0000	2.0000	1.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	500.0000
MK 31F-1	10.0000	1.5000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 31F-2	5.0000	1.5000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 32C-1	10.0000	3.0000	2.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	20.0000	700.0000
MK 32C-2	10.0000	2.0000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	500.0000
MK 32D-1	10.0000	3.0000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	300.0000
MK 32D-2	7.0000	1.5000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 35A-3	5.0000	2.0000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 35B-2	7.0000	2.0000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 37B-1	7.0000	1.5000	2.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	200.0000
MK 37B-2	7.0000	1.5000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	200.0000
MK 38D	5.0000	1.5000	1.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
MK 39B	5.0000	1.0000	1.5000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 39D-1	5.0000	2.0000	2.0000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	15.0000	500.0000
MK 39D-2	5.0000	2.0000	2.0000	0.3000	500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 40A-2	10.0000	2.0000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	150.0000
MK 43C-1	10.0000	3.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 43C-2	15.0000	3.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 43E-1	15.0000	3.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 43E-2	15.0000	5.0000	5.0000	1.0000	2000.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 43F	15.0000	2.0000	3.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	150.0000
MK 44A-1	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 44A-2	10.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
MK 44E-1	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	200.0000
MK 44E-2	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	200.0000
MK 45F-1	10.0000	3.0000	7.0000	0.5000	1000.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
MK 45F-2	10.0000	3.0000	7.0000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
MK 48A-1	3.0000	0.7000	1.5000	0.7000	500.0000	0.0 N	0.0 N	0.0200L	10.0000L	500.0000
MK 48A-2	1.5000	0.5000	1.5000	0.3000	300.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
MK 48B	15.0000	3.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 48C-1	15.0000	3.0000	7.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	200.0000
MK 48C-2	15.0000	2.0000	5.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 49A-1	15.0000	3.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 49A-2	15.0000	3.0000	10.0000	0.7000	2000.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 49B-1	15.0000	3.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 49B-2	15.0000	3.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 49C-1	20.0000	7.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
MK 49C-2	20.0000	7.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	500.0000
MK 49D-1	15.0000	5.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
MK 49D-2	10.0000	3.0000	3.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	500.0000
MK 50C-2	7.0000	2.0000	7.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	500.0000
MK 51A-1	5.0000	2.0000	1.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	1500.0000
MK 51A-2	7.0000	2.0000	1.0000	0.5000	1000.0000	0.5000L	0.0 N	0.0200L	30.0000	1500.0000
MK 51B-1	5.0000	2.0000	3.0000	0.7000	500.0000	0.5000L	0.0 N	0.0200L	15.0000	500.0000
MK 51B-2	7.0000	3.0000	7.0000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	50.0000	1500.0000
MK 51F-2	10.0000	1.5000	0.7000	0.5000	1500.0000	0.5000L	0.0 N	0.0200L	30.0000	2000.0000
MK 52C	10.0000	1.0000	0.5000	0.5000	1000.0000	0.5000L	0.0 N	0.0200L	50.0000	1000.0000
MK 52D	15.0000	1.0000	0.5000	0.7000	1500.0000	1.0000	0.0 N	0.0200L	70.0000	1000.0000
MK 53A-1	10.0000	0.7000	0.5000	0.7000	1000.0000	1.0000	0.0 N	0.0200L	70.0000	1500.0000
MK 53A-2	10.0000	0.7000	0.5000	0.5000	1000.0000	0.7000	0.0 N	0.0200L	70.0000	1500.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
MK 31C	1.0000L	0.0 N	0.0 N	30.0000	150.0000	30.0000	20.0000L	7.0000	10.0000	70.0000
MK 31F-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000	50.0000
MK 31F-2	1.0000L	0.0 N	0.0 N	20.0000	50.0000	20.0000	30.0000	5.0000L	10.0000	30.0000
MK 32C-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	70.0000
MK 32C-2	0.0 N	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 32D-1	1.0000	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 32D-2	1.0000L	0.0 N	0.0 N	20.0000	100.0000	70.0000	20.0000L	5.0000L	10.0000	30.0000
MK 35A-3	1.0000	0.0 N	0.0 N	30.0000	150.0000	30.0000	20.0000	5.0000L	10.0000	70.0000
MK 35B-2	1.0000	0.0 N	0.0 N	30.0000	150.0000	30.0000	20.0000	5.0000L	10.0000	70.0000
MK 37B-1	0.0 N	0.0 N	0.0 N	20.0000	50.0000	30.0000	0.0 N	5.0000L	10.0000	30.0000
MK 37B-2	0.0 N	0.0 N	0.0 N	20.0000	70.0000	15.0000	0.0 N	5.0000L	10.0000	30.0000
MK 38D	1.0000L	0.0 N	0.0 N	15.0000	70.0000	30.0000	0.0 N	5.0000L	10.0000L	30.0000
MK 39B	1.0000L	0.0 N	0.0 N	15.0000	100.0000	15.0000	20.0000L	5.0000L	10.0000L	50.0000
MK 39D-1	0.0 N	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000L	50.0000
MK 39D-2	0.0 N	0.0 N	0.0 N	20.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000L	30.0000
MK 40A-2	1.0000L	0.0 N	0.0 N	30.0000	50.0000	70.0000	20.0000L	5.0000L	10.0000	30.0000
MK 43C-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 43C-2	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 43E-1	1.0000	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 43E-2	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	100.0000
MK 43F	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 44A-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	100.0000
MK 44A-2	1.5000	0.0 N	0.0 N	30.0000	100.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
MK 44E-1	1.0000L	0.0 N	0.0 N	50.0000	150.0000	150.0000	0.0 N	5.0000	10.0000	100.0000
MK 44E-2	0.0 N	0.0 N	0.0 N	50.0000	150.0000	150.0000	0.0 N	5.0000	10.0000	100.0000
MK 45F-1	1.5000	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	5.0000	10.0000	70.0000
MK 45F-2	1.0000	0.0 N	0.0 N	30.0000	150.0000	50.0000	20.0000L	5.0000L	10.0000	70.0000
MK 48A-1	2.0000	0.0 N	0.0 N	10.0000	15.0000	15.0000	100.0000	0.0 N	10.0000	15.0000
MK 48A-2	1.5000	0.0 N	0.0 N	5.0000L	10.0000	50.0000	20.0000	0.0 N	10.0000L	5.0000L
MK 48B	1.0000L	0.0 N	0.0 N	30.0000	70.0000	30.0000	20.0000L	0.0 N	10.0000	20.0000
MK 48C-1	1.0000L	0.0 N	0.0 N	30.0000	70.0000	50.0000	20.0000L	5.0000L	10.0000	30.0000
MK 48C-2	1.0000	0.0 N	0.0 N	30.0000	70.0000	50.0000	20.0000	5.0000L	10.0000	30.0000
MK 49A-1	1.0000L	0.0 N	0.0 N	30.0000	70.0000	20.0000	20.0000L	5.0000L	10.0000	30.0000
MK 49A-2	1.0000	0.0 N	0.0 N	30.0000	70.0000	20.0000	50.0000	5.0000L	10.0000	30.0000
MK 49B-1	1.0000	0.0 N	0.0 N	30.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	30.0000
MK 49B-2	1.0000L	0.0 N	0.0 N	30.0000	150.0000	15.0000	20.0000L	5.0000	10.0000	30.0000
MK 49C-1	1.0000L	0.0 N	0.0 N	70.0000	700.0000	70.0000	0.0 N	5.0000L	10.0000	150.0000
MK 49C-2	1.5000	0.0 N	0.0 N	100.0000	700.0000	70.0000	100.0000	5.0000L	10.0000	150.0000
MK 49D-1	1.0000L	0.0 N	0.0 N	50.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	100.0000
MK 49D-2	1.0000L	0.0 N	0.0 N	30.0000	70.0000	20.0000	0.0 N	0.0 N	10.0000	50.0000
MK 50C-2	1.0000	0.0 N	0.0 N	30.0000	70.0000	70.0000	20.0000L	0.0 N	10.0000	30.0000
MK 51A-1	1.0000	0.0 N	0.0 N	30.0000	70.0000	70.0000	20.0000L	5.0000	10.0000	100.0000
MK 51A-2	1.0000L	0.0 N	0.0 N	30.0000	100.0000	70.0000	0.0 N	7.0000	15.0000	70.0000
MK 51B-1	0.0 N	0.0 N	0.0 N	20.0000	70.0000	20.0000	0.0 N	5.0000L	10.0000	50.0000
MK 51B-2	1.0000L	0.0 N	0.0 N	30.0000	100.0000	30.0000	0.0 N	5.0000L	10.0000	70.0000
MK 51E-2	1.0000L	0.0 N	0.0 N	50.0000	150.0000	70.0000	20.0000L	7.0000	10.0000	100.0000
MK 52C	1.0000L	0.0 N	0.0 N	30.0000	100.0000	70.0000	30.0000	7.0000	10.0000	100.0000
MK 52D	1.0000	0.0 N	0.0 N	50.0000	70.0000	150.0000	20.0000	15.0000	10.0000	150.0000
MK 53A-1	1.0000L	0.0 N	0.0 N	30.0000	70.0000	150.0000	20.0000L	15.0000	10.0000	100.0000
MK 53A-2	1.0000L	0.0 N	0.0 N	30.0000	70.0000	100.0000	20.0000L	15.0000	10.0000	100.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	PB	PPM	SB	PPM	SC	PPM	SN	PPM	SR	PPM	V	PPM	W	PPM	Y	PPM	ZN	PPM	ZR
MK 31C	10.0000L	0.0	N	20.0000		0.0	N	150.0000		150.0000		0.0	N	20.0000		0.0	N	70.0000	
MK 31F-1	10.0000L	0.0	N	20.0000		0.0	N	150.0000		150.0000		0.0	N	15.0000		0.0	N	100.0000	
MK 31F-2	10.0000L	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0	N	100.0000	
MK 32C-1	10.0000L	0.0	N	30.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		200.0000L		100.0000	
MK 32C-2	10.0000L	0.0	N	30.0000		0.0	N	150.0000		150.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 32D-1	15.0000	0.0	N	20.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 32D-2	10.0000	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 35A-3	10.0000	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	20.0000		200.0000L		150.0000	
MK 35B-2	10.0000	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 37B-1	0.0 N	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	20.0000		0.0	N	70.0000	
MK 37B-2	0.0 N	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	15.0000		0.0	N	70.0000	
MK 38D	10.0000L	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 39B	10.0000	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	15.0000		700.0000		70.0000	
MK 39D-1	15.0000	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 39D-2	10.0000L	0.0	N	20.0000		0.0	N	300.0000		150.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 40A-2	10.0000L	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	30.0000		200.0000L		70.0000	
MK 43C-1	0.0 N	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 43C-2	0.0 N	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000		70.0000	
MK 43E-1	0.0 N	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	20.0000		200.0000		70.0000	
MK 43E-2	10.0000	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	20.0000		200.0000		70.0000	
MK 43F	10.0000	0.0	N	30.0000		0.0	N	150.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 44A-1	15.0000	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 44A-2	15.0000	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 44E-1	10.0000	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 44E-2	15.0000	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 45F-1	15.0000	0.0	N	20.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 45F-2	15.0000	0.0	N	15.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000L		100.0000	
MK 48A-1	10.0000	0.0	N	10.0000		0.0	N	300.0000		100.0000		0.0	N	50.0000		0.0	N	700.0000	
MK 48A-2	10.0000L	0.0	N	5.0000		0.0	N	200.0000		30.0000		0.0	N	15.0000		200.0000L		300.0000	
MK 48B	10.0000L	0.0	N	20.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000L		300.0000	
MK 48C-1	10.0000L	0.0	N	15.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		0.0	N	300.0000	
MK 48C-2	0.0 N	0.0	N	30.0000		0.0	N	300.0000		200.0000		0.0	N	30.0000		0.0	N	500.0000	
MK 49A-1	10.0000L	0.0	N	30.0000		0.0	N	500.0000		300.0000		0.0	N	30.0000		0.0	N	300.0000	
MK 49A-2	0.0 N	0.0	N	30.0000		0.0	N	700.0000		300.0000		0.0	N	30.0000		0.0	N	700.0000	
MK 49B-1	10.0000L	0.0	N	30.0000		0.0	N	500.0000		300.0000		0.0	N	20.0000		0.0	N	300.0000	
MK 49B-2	0.0 N	0.0	N	30.0000		0.0	N	500.0000		300.0000		0.0	N	20.0000		0.0	N	70.0000	
MK 49C-1	10.0000L	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		0.0	N	70.0000	
MK 49C-2	10.0000L	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		0.0	N	70.0000	
MK 49D-1	10.0000L	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		0.0	N	100.0000	
MK 49D-2	0.0 N	0.0	N	15.0000		0.0	N	300.0000		200.0000		0.0	N	15.0000		0.0	N	70.0000	
MK 50C-2	10.0000L	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	30.0000		200.0000L		70.0000	
MK 51A-1	15.0000	0.0	N	20.0000		0.0	N	150.0000		300.0000		0.0	N	30.0000		700.0000		70.0000	
MK 51A-2	10.0000L	0.0	N	15.0000		0.0	N	150.0000		300.0000		0.0	N	30.0000		500.0000		70.0000	
MK 51B-1	15.0000	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	15.0000		200.0000L		70.0000	
MK 51B-2	15.0000	0.0	N	20.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
MK 51E-2	15.0000	0.0	N	20.0000		0.0	N	150.0000		200.0000		0.0	N	30.0000		700.0000		150.0000	
MK 52C	10.0000	0.0	N	15.0000		0.0	N	150.0000		300.0000		0.0	N	50.0000		300.0000		150.0000	
MK 52D	15.0000	0.0	N	20.0000		0.0	N	200.0000		300.0000		0.0	N	50.0000		700.0000		150.0000	
MK 53A-1	20.0000	0.0	N	15.0000		0.0	N	150.0000		300.0000		0.0	N	50.0000		700.0000		150.0000	
MK 53A-2	10.0000	0.0	N	15.0000		0.0	N	150.0000		300.0000		0.0	N	50.0000		700.0000		150.0000	

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	FE PCT.	MG PCT.	CA PCT.	TI PCT.	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
MK 55B-1	15.0000	1.5000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
MK 55B-2	15.0000	3.0000	7.0000	1.0000	1500.0000	0.5000L	0.0 N	0.0200L	10.0000	1000.0000
MK 55C-2	10.0000	1.5000	2.0000	0.5000	2000.0000	0.0 N	0.0 N	0.0200L	20.0000	1000.0000
MK 56A-1	10.0000	2.0000	2.0000	0.7000	1500.0000	0.7000	0.0 N	0.0200L	20.0000L	1500.0000
MK 56A-2	15.0000	3.0000	7.0000	0.7000	1500.0000	1.0000	0.0 N	0.0200L	30.0000	1500.0000
WK 1A-1	7.0000	3.0000	1.5000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	100.0000	700.0000
WK 1A-2	7.0000	2.0000	1.5000	0.5000	700.0000	0.0 N	0.0 N	0.0200L	70.0000	700.0000
WK 1B-1	3.0000	1.5000	10.0000	0.3000	300.0000	0.0 N	0.0 N	0.0200L	30.0000	500.0000
WK 1B-2	5.0000	2.0000	10.0000	0.3000	500.0000	0.0 N	0.0 N	0.0200L	30.0000	500.0000
WK 1C-1	7.0000	3.0000	3.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	300.0000
WK 1C-2	15.0000	3.0000	7.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
WK 2A-1	3.0000	1.0000	10.0000	0.3000	500.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
WK 2A-2	7.0000	1.0000	15.0000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	20.0000	500.0000
WK 2B-1	7.0000	1.5000	1.0000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
WK 2B-2	3.0000	1.0000	1.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	20.0000	500.0000
WK 2C-1	7.0000	1.0000	1.5000	0.3000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
WK 2C-2	3.0000	1.0000	1.5000	0.3000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
WK 2D-1	10.0000	1.0000	1.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
WK 2D-2	10.0000	1.5000	1.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	20.0000	700.0000
WK 2F-1	15.0000	2.0000	2.0000	0.7000	1500.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
WK 2E-2	5.0000	1.5000	1.5000	0.5000	1000.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
WK 2F-1	3.0000	0.7000	1.5000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
WK 2F-2	5.0000	1.0000	2.0000	0.3000	1500.0000	0.5000L	0.0 N	0.0200L	20.0000	500.0000
WK 2G-1	5.0000	1.5000	7.0000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	10.0000	500.0000
WK 2G-2	2.0000	0.7000	7.0000	0.2000	300.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
WK 3A-1	10.0000	2.0000	1.0000	1.0000	1000.0000	0.5000L	0.0 N	0.0200L	30.0000	700.0000
WK 3A-2	10.0000	1.5000	0.7000	1.0000	500.0000	0.5000L	0.0 N	0.0200L	20.0000	500.0000
WK 3B-1	15.0000	3.0000	2.0000	1.0000	1000.0000	0.5000L	0.0 N	0.0200L	20.0000	1500.0000
WK 3B-2	7.0000	1.5000	3.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	1500.0000
WK 3C-1	10.0000	1.5000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	2000.0000
WK 3C-2	10.0000	1.5000	1.0000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	20.0000	1500.0000
WK 3D-1	10.0000	2.0000	1.0000	0.7000	1500.0000	0.5000L	0.0 N	0.0200L	15.0000	300.0000
WK 3D-2	10.0000	2.0000	1.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
WK 3E-1	15.0000	1.5000	1.5000	0.7000	3000.0000	0.0 N	0.0 N	0.0200L	15.0000	500.0000
WK 3E-2	10.0000	1.5000	1.5000	0.5000	3000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
WK 4A-1	5.0000	1.5000	0.7000	0.3000	700.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
WK 4A-2	10.0000	1.5000	1.0000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	20.0000	1000.0000
WK 13A-1	5.0000	1.5000	1.5000	0.3000	500.0000	0.0 N	0.0 N	0.0200L	10.0000L	200.0000
WK 13A-2	7.0000	1.5000	1.5000	0.3000	700.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
WK 21A-1	15.0000	3.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	20.0000L
WK 21A-2	20.0000	3.0000	7.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	100.0000
WK 21B-1	15.0000	1.5000	3.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	700.0000
WK 21B-2	10.0000	1.5000	1.5000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	0.0 N	300.0000
WK 21C-1	15.0000	1.5000	2.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000L	700.0000
WK 21C-2	5.0000	1.5000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	500.0000
WK 21D-1	10.0000	1.5000	2.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	500.0000
WK 21D-2	10.0000	1.5000	1.5000	0.5000	700.0000	0.0 N	0.0 N	0.0200L	0.0 N	500.0000
WK 21E-1	15.0000	2.0000	3.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	150.0000
WK 21E-2	15.0000	3.0000	3.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	200.0000
WK 21F-1	15.0000	3.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
MK 55B-1	1.0000L	0.0 N	0.0 N	30.0000	50.0000	50.0000	20.0000L	5.0000L	15.0000	30.0000
MK 55B-2	1.0000L	0.0 N	0.0 N	70.0000	150.0000	70.0000	20.0000L	5.0000L	15.0000	50.0000
MK 55C-2	1.0000L	0.0 N	0.0 N	30.0000	100.0000	70.0000	20.0000	5.0000L	10.0000	70.0000
MK 56A-1	1.0000L	0.0 N	0.0 N	50.0000	150.0000	100.0000	20.0000L	15.0000	15.0000	150.0000
MK 56A-2	1.0000	0.0 N	0.0 N	30.0000	150.0000	150.0000	20.0000L	15.0000	15.0000	150.0000
WK 1A-1	1.0000	0.0 N	0.0 N	30.0000	150.0000	50.0000	70.0000	5.0000L	10.0000	100.0000
WK 1A-2	0.0 N	0.0 N	0.0 N	30.0000	100.0000	30.0000	20.0000	5.0000L	10.0000	70.0000
WK 1B-1	1.0000L	0.0 N	0.0 N	15.0000	70.0000	20.0000	0.0 N	5.0000L	10.0000L	50.0000
WK 1B-2	0.0 N	0.0 N	0.0 N	20.0000	70.0000	30.0000	0.0 N	5.0000L	10.0000	70.0000
WK 1C-1	1.0000L	0.0 N	0.0 N	20.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	70.0000
WK 1C-2	1.0000	0.0 N	0.0 N	50.0000	150.0000	30.0000	20.0000L	5.0000L	10.0000	70.0000
WK 2A-1	1.0000L	0.0 N	0.0 N	10.0000	70.0000	10.0000	20.0000L	5.0000L	10.0000	50.0000
WK 2A-2	1.0000	0.0 N	0.0 N	15.0000	150.0000	30.0000	20.0000	5.0000L	10.0000	70.0000
WK 2B-1	1.0000	0.0 N	0.0 N	20.0000	100.0000	30.0000	20.0000	5.0000L	15.0000	70.0000
WK 2B-2	1.0000	0.0 N	0.0 N	15.0000	70.0000	30.0000	20.0000	5.0000L	10.0000	50.0000
WK 2C-1	1.5000	0.0 N	0.0 N	20.0000	70.0000	20.0000	20.0000	5.0000L	10.0000	70.0000
WK 2C-2	1.5000	0.0 N	0.0 N	15.0000	50.0000	20.0000	20.0000L	5.0000L	10.0000	50.0000
WK 2D-1	1.5000	0.0 N	0.0 N	20.0000	70.0000	50.0000	50.0000	5.0000L	30.0000	70.0000
WK 2D-2	1.0000	0.0 N	0.0 N	20.0000	70.0000	30.0000	50.0000	5.0000L	20.0000	70.0000
WK 2F-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	30.0000	5.0000L	10.0000	100.0000
WK 2F-2	1.0000	0.0 N	0.0 N	30.0000	100.0000	50.0000	30.0000	5.0000L	10.0000	70.0000
WK 2F-1	1.0000	0.0 N	0.0 N	15.0000	30.0000	15.0000	20.0000	5.0000L	10.0000	50.0000
WK 2F-2	1.0000L	0.0 N	0.0 N	20.0000	70.0000	30.0000	20.0000L	5.0000L	10.0000	70.0000
WK 2G-1	1.0000	0.0 N	0.0 N	20.0000	70.0000	15.0000	20.0000L	5.0000L	10.0000	50.0000
WK 2G-2	1.0000	0.0 N	0.0 N	5.0000L	30.0000	7.0000	20.0000L	0.0 N	10.0000L	20.0000
WK 3A-1	1.0000	0.0 N	0.0 N	50.0000	150.0000	50.0000	50.0000	5.0000L	15.0000	150.0000
WK 3A-2	1.0000L	0.0 N	0.0 N	50.0000	150.0000	50.0000	30.0000	5.0000L	15.0000	100.0000
WK 3B-1	1.0000	0.0 N	0.0 N	50.0000	100.0000	30.0000	100.0000	5.0000L	20.0000	100.0000
WK 3B-2	1.5000	0.0 N	0.0 N	20.0000	70.0000	30.0000	70.0000	5.0000	15.0000	70.0000
WK 3C-1	1.5000	0.0 N	0.0 N	20.0000	150.0000	30.0000	70.0000	5.0000	20.0000	100.0000
WK 3C-2	1.0000	0.0 N	0.0 N	15.0000	150.0000	30.0000	70.0000	5.0000	15.0000	70.0000
WK 3D-1	1.0000L	0.0 N	0.0 N	20.0000	70.0000	50.0000	20.0000L	5.0000L	10.0000	50.0000
WK 3D-2	1.0000L	0.0 N	0.0 N	20.0000	70.0000	50.0000	20.0000L	5.0000L	10.0000	30.0000
WK 3E-1	0.0 N'	0.0 N	0.0 N	20.0000	70.0000	15.0000	0.0 N	5.0000L	10.0000	30.0000
WK 3E-2	1.0000L	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000	30.0000
WK 4A-1	1.0000	0.0 N	0.0 N	15.0000	100.0000	50.0000	20.0000L	5.0000L	10.0000	50.0000
WK 4A-2	1.0000	0.0 N	0.0 N	20.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
WK 13A-1	0.0 N	0.0 N	0.0 N	20.0000	50.0000	15.0000	20.0000L	5.0000L	10.0000L	15.0000
WK 13A-2	1.0000L	0.0 N	0.0 N	20.0000	70.0000	15.0000	0.0 N	5.0000L	10.0000L	20.0000
WK 21A-1	0.0 N	0.0 N	0.0 N	70.0000	150.0000	150.0000	0.0 N	5.0000L	10.0000	70.0000
WK 21A-2	0.0 N	0.0 N	0.0 N	70.0000	150.0000	200.0000	0.0 N	5.0000L	10.0000	70.0000
WK 21B-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000
WK 21B-2	1.0000L	0.0 N	0.0 N	30.0000	70.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000
WK 21C-1	1.0000	0.0 N	0.0 N	30.0000	50.0000	70.0000	0.0 N	0.0 N	10.0000	20.0000
WK 21C-2	1.5000	0.0 N	0.0 N	30.0000	20.0000	70.0000	0.0 N	0.0 N	10.0000	20.0000
WK 21D-1	1.5000	0.0 N	0.0 N	30.0000	70.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000
WK 21D-2	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	0.0 N	10.0000	30.0000
WK 21F-1	1.0000L	0.0 N	0.0 N	50.0000	150.0000	150.0000	0.0 N	0.0 N	10.0000L	70.0000
WK 21F-2	1.0000L	0.0 N	0.0 N	50.0000	150.0000	70.0000	0.0 N	0.0 N	10.0000	70.0000
WK 21F-1	1.0000L	0.0 N	0.0 N	50.0000	150.0000	150.0000	0.0 N	0.0 N	10.0000L	70.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	PB	PPM	SB	PPM	SC	PPM	SN	PPM	SR	PPM	V	PPM	W	PPM	Y	PPM	ZN	PPM	ZR
MK 55B-1	50.0000	0.0	N	20.0000		0.0	N	200.0000		200.0000		0.0	N	30.0000		200.0000		70.0000	
MK 55B-2	30.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	70.0000		200.0000L		100.0000	
MK 55C-2	15.0000	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	30.0000		200.0000L		70.0000	
MK 56A-1	15.0000	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	30.0000		500.0000		100.0000	
MK 56A-2	20.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	50.0000		1000.0000		100.0000	
WK 1A-1	15.0000	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		200.0000L		100.0000	
WK 1A-2	0.0 N	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 1B-1	10.0000	0.0	N	10.0000		0.0	N	150.0000		100.0000		0.0	N	15.0000		0.0 N		50.0000	
WK 1B-2	10.0000L	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 1C-1	10.0000L	0.0	N	30.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 1C-2	10.0000L	0.0	N	30.0000		0.0	N	300.0000		200.0000		0.0	N	30.0000		200.0000L		100.0000	
WK 2A-1	15.0000	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0 N		50.0000	
WK 2A-2	30.0000	0.0	N	15.0000		0.0	N	300.0000		150.0000		0.0	N	20.0000		200.0000L		50.0000	
WK 2B-1	20.0000	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	30.0000		200.0000L		150.0000	
WK 2B-2	20.0000	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	15.0000		200.0000L		70.0000	
WK 2C-1	15.0000	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 2C-2	10.0000	0.0	N	15.0000		0.0	N	300.0000		150.0000		0.0	N	15.0000		200.0000L		100.0000	
WK 2D-1	15.0000	0.0	N	20.0000		0.0	N	150.0000		150.0000		0.0	N	50.0000		200.0000		300.0000	
WK 2D-2	15.0000	0.0	N	20.0000		0.0	N	200.0000		150.0000		0.0	N	50.0000		200.0000		300.0000	
WK 2E-1	10.0000	0.0	N	20.0000		0.0	N	200.0000		200.0000		0.0	N	30.0000		200.0000		100.0000	
WK 2E-2	10.0000	0.0	N	20.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 2F-1	10.0000L	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 2F-2	15.0000	0.0	N	20.0000		0.0	N	200.0000		150.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 2G-1	15.0000	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		200.0000L		70.0000	
WK 2G-2	10.0000	0.0	N	10.0000		0.0	N	200.0000		70.0000		0.0	N	15.0000		200.0000L		50.0000	
WK 3A-1	15.0000	0.0	N	30.0000		0.0	N	200.0000		200.0000		0.0	N	30.0000		200.0000L		150.0000	
WK 3A-2	10.0000	0.0	N	30.0000		0.0	N	150.0000		300.0000		0.0	N	30.0000		200.0000L		150.0000	
WK 3B-1	10.0000	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	50.0000		200.0000L		300.0000	
WK 3B-2	10.0000L	0.0	N	20.0000		0.0	N	200.0000		200.0000		0.0	N	30.0000		300.0000		100.0000	
WK 3C-1	0.0 N	0.0	N	15.0000		0.0	N	150.0000		200.0000		0.0	N	30.0000		200.0000L		100.0000	
WK 3C-2	10.0000	0.0	N	15.0000		0.0	N	100.0000		150.0000		0.0	N	20.0000		300.0000		150.0000	
WK 3D-1	15.0000	0.0	N	20.0000		0.0	N	100.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 3D-2	10.0000L	0.0	N	20.0000		0.0	N	150.0000		200.0000		0.0	N	20.0000		200.0000L		100.0000	
WK 3E-1	10.0000L	0.0	N	15.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		200.0000L		100.0000	
WK 3E-2	10.0000	0.0	N	20.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000L		100.0000	
WK 4A-1	15.0000	0.0	N	15.0000		0.0	N	150.0000		150.0000		0.0	N	15.0000		500.0000		70.0000	
WK 4A-2	20.0000	0.0	N	20.0000		0.0	N	150.0000		200.0000		0.0	N	20.0000		200.0000		200.0000	
WK 13A-1	0.0 N	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0 N		70.0000	
WK 13A-2	10.0000L	0.0	N	15.0000		0.0	N	300.0000		150.0000		0.0	N	15.0000		200.0000L		70.0000	
WK 21A-1	10.0000L	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	15.0000		0.0 N		50.0000	
WK 21A-2	10.0000L	0.0	N	50.0000		0.0	N	300.0000		700.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 21B-1	10.0000L	0.0	N	20.0000		0.0	N	700.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 21B-2	0.0 N	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	15.0000		200.0000L		70.0000	
WK 21C-1	10.0000L	0.0	N	15.0000		0.0	N	700.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 21C-2	15.0000	0.0	N	15.0000		0.0	N	500.0000		150.0000		0.0	N	15.0000		200.0000L		70.0000	
WK 21D-1	15.0000	0.0	N	15.0000		0.0	N	700.0000		300.0000		0.0	N	15.0000		200.0000L		150.0000	
WK 21D-2	10.0000	0.0	N	15.0000		0.0	N	500.0000		200.0000		0.0	N	15.0000		0.0 N		70.0000	
WK 21E-1	10.0000L	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 21E-2	0.0 N	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 21F-1	0.0 N	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	30.0000		200.0000L		70.0000	

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	FE PCT.	MG PCT.	CA PCT.	TI PCT.	MN PPM	AG PPM	AS PPM	AU PPM	B PPM	BA PPM
WK 21F-2	15.0000	3.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	150.0000
WK 21G-1	15.0000	3.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
WK 21G-2	20.0000	3.0000	3.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
WK 22B-1	7.0000	2.0000	5.0000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	30.0000	1000.0000
WK 22B-2	7.0000	3.0000	7.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
WK 24A-1	10.0000	5.0000	15.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	300.0000
WK 24A-2	15.0000	5.0000	15.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
WK 24B-1	15.0000	3.0000	5.0000	0.5000	1000.0000	0.5000L	0.0 N	0.0200L	15.0000	300.0000
WK 24B-2	15.0000	3.0000	5.0000	0.7000	1000.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
WK 24C-1	15.0000	3.0000	1.5000	0.7000	1500.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
WK 24C-2	15.0000	3.0000	3.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	1000.0000
BD497S	7.0000	3.0000	2.0000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
BD522S	5.0000	3.0000	5.0000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
BD525S	15.0000	5.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
BD541S	10.0000	2.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	500.0000
BD551S	3.0000	7.0000	20.0000	0.2000	700.0000	0.0 N	0.0 N	0.0200L	20.0000	150.0000
GK556	10.0000	2.0000	5.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
WH192A	10.0000	1.0000	1.5000	0.7000	700.0000	0.0 N	0.0 N	0.0200L	10.0000	500.0000
WH192B	10.0000	1.0000	2.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	700.0000
WH193A	10.0000	3.0000	10.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	700.0000
WH193B	10.0000	2.0000	7.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
WH194A	15.0000	1.0000	0.2000	0.7000	1500.0000	1.5000	0.0 N	0.0200L	50.0000	2000.0000
WH194B	15.0000	1.5000	0.5000	0.5000	1500.0000	1.5000	0.0 N	0.0200L	70.0000	3000.0000
WH195A	15.0000	3.0000	2.0000	0.5000	1500.0000	0.5000L	0.0 N	0.0200L	30.0000	2000.0000
WH195B	15.0000	2.0000	2.0000	0.5000	1500.0000	1.5000	0.0 N	0.0200L	30.0000	2000.0000
WH196A	15.0000	3.0000	2.0000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	1500.0000
WH196B	15.0000	3.0000	3.0000	0.5000	1500.0000	0.5000L	0.0 N	0.0200L	30.0000	1500.0000
WH197A	7.0000	3.0000	5.0000	0.5000	1000.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
WH197B	10.0000	5.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
WH198A	10.0000	1.0000	1.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000L	700.0000
WH198B	15.0000	1.5000	1.5000	0.7000	1500.0000	0.5000L	0.0 N	0.0200L	10.0000	700.0000
WH199A	5.0000	1.0000	1.5000	0.3000	1000.0000	0.0 N	0.0 N	0.0200L	30.0000	700.0000
WH199B	7.0000	1.0000	1.5000	0.3000	1000.0000	0.5000L	0.0 N	0.0200L	10.0000	700.0000
WH200A	10.0000	1.5000	2.0000	0.5000	1500.0000	0.5000L	0.0 N	0.0200L	30.0000	1000.0000
WH200B	10.0000	1.5000	1.5000	0.5000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	1000.0000
WH201A	15.0000	3.0000	7.0000	1.0000G	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	1500.0000
WH201B	15.0000	1.5000	3.0000	1.0000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
WH202A	15.0000	1.5000	5.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
WH202B	15.0000	1.5000	3.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	10.0000	300.0000
WH203A	10.0000	2.0000	5.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	500.0000
WH203B	15.0000	2.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	300.0000
WH204A	10.0000	2.0000	7.0000	0.7000	1000.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
WH204B	10.0000	2.0000	7.0000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	1000.0000
WH205A	15.0000	2.0000	3.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	30.0000	1000.0000
WH205B	10.0000	2.0000	1.5000	0.7000	1500.0000	0.0 N	0.0 N	0.0200L	20.0000	700.0000
WH206A	15.0000	3.0000	2.0000	1.0000	1500.0000	0.0 N	0.0 N	0.0200L	15.0000	700.0000
WH206B	15.0000	3.0000	2.0000	1.0000	1500.0000	0.5000L	0.0 N	0.0200L	15.0000	700.0000
WH207A	10.0000	1.0000	1.5000	1.0000	1000.0000	0.5000L	0.0 N	0.0200L	30.0000	1500.0000
WH207B	15.0000	1.5000	1.5000	0.7000	1000.0000	1.5000	0.0 N	0.0200L	50.0000	1500.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	BE PPM	BI PPM	CD PPM	CO PPM	CR PPM	CU PPM	LA PPM	MO PPM	NB PPM	NI PPM
WK 21F-2	1.0000L	0.0 N	0.0 N	50.0000	150.0000	150.0000	0.0 N	0.0 N	10.0000	70.0000
WK 21G-1	1.0000	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	5.0000L	10.0000	70.0000
WK 21G-2	1.0000	0.0 N	0.0 N	70.0000	150.0000	70.0000	20.0000L	5.0000L	10.0000	70.0000
WK 22B-1	0.0 N	0.0 N	0.0 N	30.0000	100.0000	30.0000	0.0 N	5.0000L	15.0000	50.0000
WK 22B-2	0.0 N	0.0 N	0.0 N	30.0000	150.0000	50.0000	0.0 N	5.0000L	15.0000	70.0000
WK 24A-1	1.0000	0.0 N	0.0 N	70.0000	150.0000	100.0000	20.0000L	5.0000L	15.0000	70.0000
WK 24A-2	1.0000L	0.0 N	0.0 N	70.0000	150.0000	150.0000	20.0000L	5.0000L	15.0000	70.0000
WK 24B-1	0.0 N	0.0 N	0.0 N	70.0000	150.0000	70.0000	0.0 N	5.0000L	15.0000	100.0000
WK 24B-2	0.0 N	0.0 N	0.0 N	70.0000	150.0000	150.0000	0.0 N	5.0000L	15.0000	100.0000
WK 24C-1	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	5.0000L	15.0000	100.0000
WK 24C-2	1.0000	0.0 N	0.0 N	30.0000	100.0000	70.0000	20.0000L	5.0000L	10.0000	100.0000
BD497S	1.5000	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	5.0000L	10.0000	50.0000
BD522S	1.0000L	0.0 N	0.0 N	15.0000	70.0000	20.0000	0.0 N	0.0 N	10.0000	30.0000
BD525S	1.0000L	0.0 N	0.0 N	50.0000	100.0000	30.0000	20.0000L	5.0000L	15.0000	30.0000
BD541S	1.0000L	0.0 N	0.0 N	30.0000	70.0000	15.0000	20.0000L	5.0000L	10.0000	30.0000
BD551S	1.0000L	0.0 N	0.0 N	15.0000	100.0000	15.0000	20.0000L	5.0000L	10.0000	50.0000
GK556	1.0000L	0.0 N	0.0 N	30.0000	70.0000	15.0000	20.0000L	0.0 N	10.0000	20.0000
WH192A	1.0000	0.0 N	0.0 N	10.0000	20.0000	30.0000	30.0000	5.0000L	15.0000	20.0000
WH192B	1.0000	0.0 N	0.0 N	7.0000	20.0000	20.0000	150.0000	5.0000L	15.0000	15.0000
WH193A	1.0000L	0.0 N	0.0 N	30.0000	100.0000	30.0000	20.0000L	5.0000L	15.0000	30.0000
WH193B	1.0000L	0.0 N	0.0 N	30.0000	70.0000	30.0000	20.0000L	0.0 N	10.0000	30.0000
WH194A	1.0000L	0.0 N	0.0 N	30.0000	100.0000	150.0000	20.0000L	30.0000	15.0000	150.0000
WH194B	1.0000	0.0 N	0.0 N	30.0000	70.0000	150.0000	70.0000	20.0000	20.0000	150.0000
WH195A	1.0000L	0.0 N	0.0 N	30.0000	150.0000	100.0000	20.0000L	15.0000	15.0000	150.0000
WH195B	1.0000	0.0 N	0.0 N	30.0000	150.0000	70.0000	20.0000L	15.0000	15.0000	150.0000
WH196A	1.0000L	0.0 N	0.0 N	30.0000	150.0000	70.0000	0.0 N	15.0000	15.0000	150.0000
WH196B	0.0 N	0.0 N	0.0 N	30.0000	200.0000	70.0000	30.0000	10.0000	15.0000	150.0000
WH197A	0.0 N	0.0 N	0.0 N	30.0000	150.0000	30.0000	0.0 N	5.0000L	10.0000	30.0000
WH197B	1.0000L	0.0 N	0.0 N	30.0000	150.0000	30.0000	20.0000L	5.0000L	15.0000	50.0000
WH198A	1.0000L	0.0 N	0.0 N	30.0000	70.0000	30.0000	20.0000	7.0000	15.0000	70.0000
WH198B	1.0000L	0.0 N	0.0 N	30.0000	70.0000	50.0000	20.0000	7.0000	15.0000	100.0000
WH199A	1.0000	0.0 N	0.0 N	20.0000	30.0000	50.0000	20.0000L	5.0000	10.0000	30.0000
WH199B	1.0000L	0.0 N	0.0 N	20.0000	50.0000	50.0000	20.0000L	5.0000	10.0000L	30.0000
WH200A	1.5000	0.0 N	0.0 N	30.0000	30.0000	70.0000	0.0 N	15.0000	10.0000	50.0000
WH200B	1.5000	0.0 N	0.0 N	30.0000	30.0000	70.0000	20.0000L	20.0000	10.0000	50.0000
WH201A	1.0000	0.0 N	0.0 N	50.0000	70.0000	100.0000	300.0000	5.0000L	10.0000	70.0000
WH201B	1.0000L	0.0 N	0.0 N	30.0000	70.0000	70.0000	20.0000L	5.0000L	10.0000	50.0000
WH202A	0.0 N	0.0 N	0.0 N	70.0000	100.0000	70.0000	20.0000	5.0000L	10.0000	50.0000
WH202B	0.0 N	0.0 N	0.0 N	50.0000	150.0000	150.0000	0.0 N	5.0000L	10.0000	50.0000
WH203A	0.0 N	0.0 N	0.0 N	30.0000	70.0000	50.0000	20.0000L	5.0000L	10.0000	30.0000
WH203B	1.0000L	0.0 N	0.0 N	50.0000	70.0000	50.0000	70.0000	5.0000L	10.0000	30.0000
WH204A	1.0000L	0.0 N	0.0 N	50.0000	100.0000	70.0000	20.0000	5.0000L	10.0000	50.0000
WH204B	1.0000L	0.0 N	0.0 N	50.0000	70.0000	70.0000	20.0000L	5.0000L	10.0000	50.0000
WH205A	1.0000	0.0 N	0.0 N	50.0000	70.0000	70.0000	20.0000L	7.0000	15.0000	70.0000
WH205B	0.0 N	0.0 N	0.0 N	30.0000	70.0000	70.0000	20.0000L	5.0000	10.0000	50.0000
WH206A	1.0000L	0.0 N	0.0 N	50.0000	100.0000	70.0000	20.0000	5.0000L	10.0000	50.0000
WH206B	1.0000L	0.0 N	0.0 N	50.0000	70.0000	70.0000	20.0000	5.0000L	10.0000	70.0000
WH207A	1.0000L	0.0 N	0.0 N	30.0000	70.0000	70.0000	20.0000L	10.0000	10.0000	70.0000
WH207B	1.0000	0.0 N	0.0 N	50.0000	100.0000	100.0000	20.0000	15.0000	15.0000	100.0000

TABLE 2

STREAM SEDIMENT SAMPLES

SAMPLE	PB	PPM	SB	PPM	SC	PPM	SN	PPM	SR	PPM	V	PPM	W	PPM	Y	PPM	ZN	PPM	ZR
WK 21F-2	10.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	30.0000		200.0000L		200.0000	
WK 21G-1	10.0000L	0.0	N	30.0000		0.0	N	700.0000		300.0000		0.0	N	30.0000		200.0000L		150.0000	
WK 21G-2	15.0000	0.0	N	50.0000		0.0	N	700.0000		700.0000		0.0	N	50.0000		200.0000L		150.0000	
WK 22B-1	0.0 N	0.0	N	15.0000		0.0	N	150.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
WK 22B-2	10.0000L	0.0	N	20.0000		0.0	N	150.0000		150.0000		0.0	N	30.0000		0.0 N		200.0000	
WK 24A-1	15.0000	0.0	N	30.0000		0.0	N	700.0000		200.0000		0.0	N	20.0000		200.0000L		50.0000	
WK 24A-2	10.0000	0.0	N	30.0000		0.0	N	500.0000		200.0000		0.0	N	30.0000		200.0000L		100.0000	
WK 24B-1	10.0000	0.0	N	30.0000		0.0	N	200.0000		200.0000		0.0	N	30.0000		300.0000		50.0000	
WK 24B-2	10.0000L	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	30.0000		200.0000L		70.0000	
WK 24C-1	10.0000	0.0	N	20.0000		0.0	N	300.0000		300.0000		0.0	N	30.0000		200.0000		150.0000	
WK 24C-2	15.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	50.0000		200.0000		150.0000	
BD497S	15.0000	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
BD522S	10.0000L	0.0	N	15.0000		0.0	N	300.0000		100.0000		0.0	N	15.0000		200.0000L		30.0000	
BD525S	10.0000	0.0	N	30.0000		0.0	N	500.0000		300.0000		0.0	N	20.0000		200.0000L		50.0000	
BD541S	10.0000L	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		200.0000L		150.0000	
BD551S	20.0000	0.0	N	7.0000		0.0	N	300.0000		100.0000		0.0	N	15.0000		200.0000L		30.0000	
GK556	10.0000L	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		0.0 N		300.0000	
WH192A	10.0000	0.0	N	10.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0 N		300.0000	
WH192B	10.0000L	0.0	N	10.0000		0.0	N	200.0000		150.0000		0.0	N	15.0000		0.0 N		100.0000	
WH193A	10.0000L	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	30.0000		200.0000L		70.0000	
WH193B	0.0 N	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
WH194A	20.0000	0.0	N	20.0000		0.0	N	150.0000		500.0000		0.0	N	100.0000		1500.0000		100.0000	
WH194B	30.0000	0.0	N	20.0000		0.0	N	150.0000		500.0000		0.0	N	50.0000		2000.0000		70.0000	
WH195A	15.0000	0.0	N	20.0000		0.0	N	300.0000		300.0000		0.0	N	30.0000		700.0000		70.0000	
WH195B	20.0000	0.0	N	20.0000		0.0	N	300.0000		500.0000		0.0	N	50.0000		700.0000		70.0000	
WH196A	10.0000	0.0	N	30.0000		0.0	N	300.0000		500.0000		0.0	N	30.0000		700.0000		70.0000	
WH196B	10.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	30.0000		500.0000		100.0000	
WH197A	0.0 N	0.0	N	15.0000		0.0	N	200.0000		200.0000		0.0	N	15.0000		0.0 N		70.0000	
WH197B	10.0000L	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	20.0000		0.0 N		70.0000	
WH198A	0.0 N	0.0	N	15.0000		0.0	N	150.0000		300.0000		0.0	N	30.0000		200.0000L		200.0000	
WH198B	10.0000L	0.0	N	20.0000		0.0	N	150.0000		300.0000		0.0	N	30.0000		200.0000L		150.0000	
WH199A	0.0 N	0.0	N	15.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		300.0000		100.0000	
WH199B	10.0000L	0.0	N	15.0000		0.0	N	200.0000		150.0000		0.0	N	20.0000		300.0000		100.0000	
WH200A	10.0000L	0.0	N	20.0000		0.0	N	300.0000		200.0000		0.0	N	30.0000		300.0000		150.0000	
WH200B	0.0 N	0.0	N	15.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		300.0000		200.0000	
WH201A	10.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	70.0000		300.0000		500.0000	
WH201B	0.0 N	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	30.0000		200.0000		100.0000	
WH202A	10.0000	0.0	N	20.0000		0.0	N	150.0000		200.0000		0.0	N	50.0000		200.0000		300.0000	
WH202B	0.0 N	0.0	N	20.0000		0.0	N	150.0000		200.0000		0.0	N	20.0000		200.0000		70.0000	
WH203A	10.0000L	0.0	N	20.0000		0.0	N	200.0000		200.0000		0.0	N	20.0000		200.0000L		70.0000	
WH203B	10.0000	0.0	N	30.0000		0.0	N	200.0000		200.0000		0.0	N	50.0000		200.0000L		200.0000	
WH204A	15.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	50.0000		200.0000L		100.0000	
WH204B	10.0000	0.0	N	30.0000		0.0	N	300.0000		300.0000		0.0	N	50.0000		200.0000L		70.0000	
WH205A	10.0000L	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	70.0000		500.0000		150.0000	
WH205B	10.0000	0.0	N	30.0000		0.0	N	150.0000		300.0000		0.0	N	50.0000		300.0000		100.0000	
WH206A	10.0000	0.0	N	30.0000		0.0	N	150.0000		300.0000		0.0	N	70.0000		300.0000		200.0000	
WH206B	100.0000	0.0	N	30.0000		0.0	N	200.0000		300.0000		0.0	N	70.0000		200.0000		200.0000	
WH207A	10.0000	0.0	N	20.0000		0.0	N	200.0000		300.0000		0.0	N	70.0000		300.0000		150.0000	
WH207B	70.0000	0.0	N	30.0000		0.0	N	200.0000		200.0000		0.0	N	70.0000		500.0000		200.0000	

TABLE 2

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

TABLE 2

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	1	1	0.40	0.40
1.8E 00 -	2.6E 00	1	2	0.40	0.80
2.6E 00 -	3.8E 00	13	15	5.22	6.02
3.8E 00 -	5.6E 00	35	50	14.06	20.08
5.6E 00 -	8.3E 00	35	85	14.06	34.14
8.3E 00 -	1.2E 01	63	148	25.30	59.44
1.2E 01 -	1.8E 01	82	230	32.93	92.37
1.8E 01 -	2.6E 01	15	245	6.02	98.39

HISTOGRAM FOR COLUMN 1 (FE PCT.)

```
3.0E 00 XXXXX

5.0E 00 XXXXXXXXXXXXX

7.0E 00 XXXXXXXXXXXXX

1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	4	245
0.0	0.0			0.0	1.61	

MAXIMUM = 2.00000E 01

MINIMUM = 1.50000E 00

GEOMETRIC MEAN = 9.51185E 00

GEOMETRIC DEVIATION = 1.68472E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

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	0.40	0.40
5.6E-01 -	8.3E-01	7	8	2.81	3.21
8.3E-01 -	1.2E 00	24	32	9.64	12.85
1.2E 00 -	1.8E 00	62	94	24.90	37.75
1.8E 00 -	2.6E 00	52	146	20.88	58.63
2.6E 00 -	3.8E 00	63	209	25.30	83.94
3.8E 00 -	5.6E 00	27	236	10.84	94.78
5.6E 00 -	8.3E 00	11	247	4.42	99.20
8.3E 00 -	1.2E 01	1	248	0.40	99.60

HISTOGRAM FOR COLUMN 2 (MG PCT.)

```
      7.0E-01 XXX

      1.0E 00 XXXXXXXXXX

      1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXXX

      2.0E 00 XXXXXXXXXXXXXXXXXXXX

      3.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXX

      5.0E 00 XXXXXXXXXXX

      7.0E 00 XXXX

      1.0E 01
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	R	T	G	ANALYTICAL VALUES
0	0	0	0	0	1	248
0.0	0.0			0.0	0.40	

MAXIMUM = 1.00000E 01

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 2.18962E 00

GEOMETRIC DEVIATION = 1.74865E 00

TABLE 2

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	1	1	0.40	0.40
2.6E-01 -	3.8E-01	0	1	0.0	0.40
3.8E-01 -	5.6E-01	5	6	2.01	2.41
5.6E-01 -	8.3E-01	5	11	2.01	4.42
8.3E-01 -	1.2E 00	18	29	7.23	11.65
1.2E 00 -	1.8E 00	53	82	21.29	32.93
1.8E 00 -	2.6E 00	42	124	16.87	49.80
2.6E 00 -	3.8E 00	38	162	15.26	65.06
3.8E 00 -	5.6E 00	30	192	12.05	77.11
5.6E 00 -	8.3E 00	45	237	18.07	95.18
8.3E 00 -	1.2E 01	6	243	2.41	97.59
1.2E 01 -	1.8E 01	5	248	2.01	99.60
1.8E 01 -	2.6E 01	1	249	0.40	100.00

HISTOGRAM FOR COLUMN 3 (CA PCT.)

```
      5.0E-01 XX

      7.0E-01 XX

      1.0E 00 XXXXXXX

      1.5E 00 XXXXXXXXXXXXXXXXXXXX

      2.0E 00 XXXXXXXXXXXXXXXX

      3.0E 00 XXXXXXXXXXXXXX

      5.0E 00 XXXXXXXXXXXX

      7.0E 00 XXXXXXXXXXXXXXXXX

      1.0E 01 XX

      1.5E 01 XX

      2.0E 01
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	249
0.0	0.0			0.0	0.0	

MAXIMUM = 2.00000E 01

MINIMUM = 2.00000E-01

GEOMETRIC MEAN = 2.74778E 00

GEOMETRIC DEVIATION = 2.18512E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

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	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	2	2	0.80	0.80
2.6E-01 -	3.8E-01	44	46	17.67	18.47
3.8E-01 -	5.6E-01	52	98	20.88	39.36
5.6E-01 -	8.3E-01	98	196	39.36	78.71
8.3E-01 -	1.2E 00	48	244	19.28	97.99

HISTOGRAM FOR COLUMN 4 (TI PCT.)

```
      2.0E-01 X

      3.0E-01 XXXXXXXXXXXXXXXXXX

      5.0E-01 XXXXXXXXXXXXXXXXXXXXX

      7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

      1.0E 00 XXXXXXXXXXXXXXXXXX
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	5	244
0.0	0.0			0.0	2.01	

MAXIMUM = 1.00000E 00

MINIMUM = 2.00000E-01

GEOMETRIC MEAN = 5.93768E-01

GEOMETRIC DEVIATION = 1.50121E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

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	0	0	0.0	0.0
1.8E 02 -	2.6E 02	0	0	0.0	0.0
2.6E 02 -	3.8E 02	5	5	2.01	2.01
3.8E 02 -	5.6E 02	12	17	4.82	6.83
5.6E 02 -	8.3E 02	31	48	12.45	19.28
8.3E 02 -	1.2E 03	82	130	32.93	52.21
1.2E 03 -	1.8E 03	91	221	36.55	88.76
1.8E 03 -	2.6E 03	20	241	8.03	96.79
2.6E 03 -	3.8E 03	8	249	3.21	100.00

HISTOGRAM FOR COLUMN 5 (MN PPM)

```
3.0E 02 XX

5.0E 02 XXXXX

7.0E 02 XXXXXXXXXXXX

1.0E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 03 XXXXXXXX

3.0E 03 XXX
```

N	L	H	R	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	249
0.0	0.0			0.0	0.0	

MAXIMUM = 3.00000E 03

MINIMUM = 3.00000E 02

GEOMETRIC MEAN = 1.14692E 03

GEOMETRIC DEVIATION = 1.54337E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 6 (AG PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E-01 -	5.6E-01	13	13	5.22	5.22
5.6E-01 -	8.3E-01	12	25	4.82	10.04
8.3E-01 -	1.2E 00	6	31	2.41	12.45
1.2E 00 -	1.8E 00	4	35	1.61	14.06

HISTOGRAM FOR COLUMN 6 (AG PPM)

5.0E-01 XXXXX

7.0E-01 XXXXX

1.0E 00 XX

1.5E 00 XX

N	L	H	B	T	G	ANALYTICAL VALUES
159	55	0	0	0	0	35
63.86	22.09			0.0	0.0	

MAXIMUM = 1.50000E 00

MINIMUM = 5.00000E-01

GEOMETRIC MEAN = 7.16481E-01

GEOMETRIC DEVIATION = 1.44109E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 9 (B PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	58	58	23.29	23.29
1.2E 01 -	1.8E 01	74	132	29.72	53.01
1.8E 01 -	2.6E 01	34	166	13.65	66.67
2.6E 01 -	3.8E 01	35	201	14.06	80.72
3.8E 01 -	5.6E 01	5	206	2.01	82.73
5.6E 01 -	8.3E 01	6	212	2.41	85.14
8.3E 01 -	1.2E 02	2	214	0.80	85.94

HISTOGRAM FOR COLUMN 9 (B PPM)

```
1.0E 01 XXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXX

5.0E 01 XX

7.0E 01 XX

1.0E 02 X
```

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

N	L	H	B	T	G	ANALYTICAL VALUES
9	25	0	0	0	0	215
3.61	10.04			0.0	0.0	

MAXIMUM = 1.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 1.71243E 01

GEOMETRIC DEVIATION = 1.66234E 00

TABLE 2

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	0	0	0.0	0.0
8.3E 01 -	1.2E 02	1	1	0.40	0.40
1.2E 02 -	1.8E 02	9	10	3.61	4.02
1.8E 02 -	2.6E 02	9	19	3.61	7.63
2.6E 02 -	3.8E 02	70	89	28.11	35.74
3.8E 02 -	5.6E 02	31	120	12.45	48.19
5.6E 02 -	8.3E 02	70	190	28.11	76.31
8.3E 02 -	1.2E 03	22	212	8.84	85.14
1.2E 03 -	1.8E 03	26	238	10.44	95.58
1.8E 03 -	2.6E 03	6	244	2.41	97.99
2.6E 03 -	3.8E 03	2	246	0.80	98.80

HISTOGRAM FOR COLUMN 10 (BA PPM)

```
1.5E 02 XXXX
2.0E 02 XXXX
3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E 02 XXXXXXXXXXX
7.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 03 XXXXXXXXX
1.5E 03 XXXXXXXXXX
2.0E 03 XX
3.0E 03 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	3	0	0	0	0	246
0.0	1.20			0.0	0.0	

MAXIMUM = 3.00000E 03

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 5.48516E 02

GEOMETRIC DEVIATION = 1.93951E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 11 (BE PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E-01 -	1.2E 00	53	53	21.29	21.29
1.2E 00 -	1.8E 00	16	69	6.43	27.71
1.8E 00 -	2.6E 00	1	70	0.40	28.11

HISTOGRAM FOR COLUMN 11 (BE PPM)

1.0E 00 XXXXXXXXXXXXXXXXXXXX

1.5E 00 XXXXXX

2.0E 00

N	L	H	B	T	G	ANALYTICAL VALUES
71	108	0	0	0	0	70
28.51	43.37			0.0	0.0	

MAXIMUM = 2.00000E 00

MINIMUM = 1.00000E 00

GEOMETRIC MEAN = 1.10803E 00

GEOMETRIC DEVIATION = 1.20382E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 14 (CO PPM)

LIMITS LOWER	- UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	3	3	1.20	1.20
5.6E 00 -	8.3E 00	4	7	1.61	2.81
8.3E 00 -	1.2E 01	8	15	3.21	6.02
1.2E 01 -	1.8E 01	30	45	12.05	18.07
1.8E 01 -	2.6E 01	58	103	23.29	41.37
2.6E 01 -	3.8E 01	99	202	39.76	81.12
3.8E 01 -	5.6E 01	29	231	11.65	92.77
5.6E 01 -	8.3E 01	14	245	5.62	98.39
8.3E 01 -	1.2E 02	2	247	0.80	99.20

HISTOGRAM FOR COLUMN 14 (CO PPM)

```
       5.0E 00 X

       7.0E 00 XX

       1.0E 01 XXX

       1.5E 01 XXXXXXXXXXXX

       2.0E 01 XXXXXXXXXXXXXXXXXXXXXX

       3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

       5.0E 01 XXXXXXXXXXXX

       7.0E 01 XXXXXX

       1.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	2	0	0	0	0	247
0.0	0.80			0.0	0.0	

MAXIMUM = 1.00000E 02

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 2.60119E 01

GEOMETRIC DEVIATION = 1.68718E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

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	4	4	1.61	1.61
1.2E 01 - 1.8E 01	1	5	0.40	2.01
1.8E 01 - 2.6E 01	3	8	1.20	3.21
2.6E 01 - 3.8E 01	9	17	3.61	6.83
3.8E 01 - 5.6E 01	10	27	4.02	10.84
5.6E 01 - 8.3E 01	61	88	24.50	35.34
8.3E 01 - 1.2E 02	32	120	12.85	48.19
1.2E 02 - 1.8E 02	109	229	43.78	91.97
1.8E 02 - 2.6E 02	9	238	3.61	95.58
2.6E 02 - 3.8E 02	5	243	2.01	97.59
3.8E 02 - 5.6E 02	1	244	0.40	97.99
5.6E 02 - 8.3E 02	2	246	0.80	98.80

HISTOGRAM FOR COLUMN 15 (CR PPM)

```
1.0E 01 XX
1.5E 01
2.0E 01 X
3.0E 01 XXXX
5.0E 01 XXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXXXXXX
1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 02 XXXX
3.0E 02 XX
5.0E 02
7.0E 02 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	3	0	0	0	0	246
0.0	1.20			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.02445E 02

GEOMETRIC DEVIATION = 1.87419E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 16 (CU 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	0.40	0.40
8.3E 00 -	1.2E 01	3	4	1.20	1.61
1.2E 01 -	1.8E 01	20	24	8.03	9.64
1.8E 01 -	2.6E 01	16	40	6.43	16.06
2.6E 01 -	3.8E 01	62	102	24.90	40.96
3.8E 01 -	5.6E 01	37	139	14.86	55.82
5.6E 01 -	8.3E 01	81	220	32.53	88.35
8.3E 01 -	1.2E 02	11	231	4.42	92.77
1.2E 02 -	1.8E 02	16	247	6.43	99.20
1.8E 02 -	2.6E 02	2	249	0.80	100.00

HISTOGRAM FOR COLUMN 16 (CU PPM)

```
1.0E 01 X
1.5E 01 XXXXXXXX
2.0E 01 XXXXXX
3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
5.0E 01 XXXXXXXXXXXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXX
1.5E 02 XXXXXX
2.0E 02 X
```

N	L	H	R	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	249
0.0	0.0			0.0	0.0	

MAXIMUM = 2.00000E 02

MINIMUM = 7.00000E 00

GEOMETRIC MEAN = 4.57713E 01

GEOMETRIC DEVIATION = 1.92313E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 17 (LA PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 01 -	2.6E 01	30	30	12.05	12.05
2.6E 01 -	3.8E 01	10	40	4.02	16.06
3.8E 01 -	5.6E 01	7	47	2.81	18.88
5.6E 01 -	8.3E 01	6	53	2.41	21.29
8.3E 01 -	1.2E 02	4	57	1.61	22.89
1.2E 02 -	1.8E 02	2	59	0.80	23.69
1.8E 02 -	2.6E 02	0	59	0.0	23.69
2.6E 02 -	3.8E 02	1	60	0.40	24.10

HISTOGRAM FOR COLUMN 17 (LA PPM)

2.0E 01 XXXXXXXXXXX

3.0E 01 XXXX

5.0E 01 XXX

7.0E 01 XX

1.0E 02 XX

1.5E 02 X

2.0E 02

3.0E 02

N	L	H	B	T	G	ANALYTICAL VALUES
84	105	0	0	0	0	60
33.73	42.17			0.0	0.0	

MAXIMUM = 3.00000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 3.36181E 01

GEOMETRIC DEVIATION = 1.95638E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 18 (MO PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	25	25	10.04	10.04
5.6E 00 -	8.3E 00	14	39	5.62	15.66
8.3E 00 -	1.2E 01	2	41	0.80	16.47
1.2E 01 -	1.8E 01	11	52	4.42	20.88
1.8E 01 -	2.6E 01	2	54	0.80	21.69
2.6E 01 -	3.8E 01	1	55	0.40	22.09

HISTOGRAM FOR COLUMN 18 (MO PPM)

```
5.0E 00 XXXXXXXXXX

7.0E 00 XXXXXX

1.0E 01 X

1.5E 01 XXXX

2.0E 01 X

3.0E 01
```

N	L	H	R	T	G	ANALYTICAL VALUES
36	158	0	0	0	0	55
14.46	63.45			0.0	0.0	

MAXIMUM = 3.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 7.56089E 00

GEOMETRIC DEVIATION = 1.64783E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 19 (NB PPM)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	179	179	71.89	71.89
1.2E 01 -	1.8E 01	35	214	14.06	85.94
1.8E 01 -	2.6E 01	4	218	1.61	87.55
2.6E 01 -	3.8E 01	1	219	0.40	87.95

HISTOGRAM FOR COLUMN 19 (NB PPM)

1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX)

1.5E 01 XXXXXXXXXXXXXX

2.0E 01 XX

3.0E 01

N	L	H	B	T	G	ANALYTICAL VALUES
0	30	0	0	0	0	219
0.0	12.05			0.0	0.0	

MAXIMUM = 3.00000E 01

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.08594E 01

GEOMETRIC DEVIATION = 1.20242E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

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	1	1	0.40	0.40
1.2E 01 -	1.8E 01	3	4	1.20	1.61
1.8E 01 -	2.6E 01	11	15	4.42	6.02
2.6E 01 -	3.8E 01	59	74	23.69	29.72
3.8E 01 -	5.6E 01	42	116	16.87	46.59
5.6E 01 -	8.3E 01	74	190	29.72	76.31
8.3E 01 -	1.2E 02	36	226	14.46	90.76
1.2E 02 -	1.8E 02	16	242	6.43	97.19

HISTOGRAM FOR COLUMN 20 (NI PPM)

```
1.5E 01 X

2.0E 01 XXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXXXXXXXXXX

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

1.0E 02 XXXXXXXXXXXXXX

1.5E 02 XXXXXX
```

N	L	H	R	T	G	ANALYTICAL VALUES
5	2	0	0	0	0	242
2.01	0.80			0.0	0.0	

MAXIMUM = 1.50000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 5.47502E 01

GEOMETRIC DEVIATION = 1.74522E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 21 (PB)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	66	66	26.51	26.51
1.2E 01 -	1.8E 01	44	110	17.67	44.18
1.8E 01 -	2.6E 01	24	134	9.64	53.82
2.6E 01 -	3.8E 01	11	145	4.42	58.23
3.8E 01 -	5.6E 01	1	146	0.40	58.63
5.6E 01 -	8.3E 01	1	147	0.40	59.04
8.3E 01 -	1.2E 02	3	150	1.20	60.24

HISTOGRAM FOR COLUMN 21 (PB)

1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX

1.5E 01 XXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXX

3.0E 01 XXXX

5.0E 01

7.0E 01

1.0E 02 X

N	L	H	B	T	G	ANALYTICAL VALUES
37	62	0	0	0	0	150
14.86	24.90			0.0	0.0	

MAXIMUM = 1.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 1.46248E 01

GEOMETRIC DEVIATION = 1.59702E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 23 (PPM SC)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
3.8E 00 -	5.6E 00	1	1	0.40	0.40
5.6E 00 -	8.3E 00	4	5	1.61	2.01
8.3E 00 -	1.2E 01	10	15	4.02	6.02
1.2E 01 -	1.8E 01	77	92	30.92	36.95
1.8E 01 -	2.6E 01	70	162	28.11	65.06
2.6E 01 -	3.8E 01	84	246	33.73	98.80
3.8E 01 -	5.6E 01	3	249	1.20	100.00

HISTOGRAM FOR COLUMN 23 (PPM SC)

```
       7.0E 00 XX

       1.0E 01 XXXX

       1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

       2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXX

       3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

       5.0E 01 X
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	249
0.0	0.0			0.0	0.0	

MAXIMUM = 5.00000E 01

MINIMUM = 5.00000E 00

GEOMETRIC MEAN = 2.01717E 01

GEOMETRIC DEVIATION = 1.44685E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 25 (PPM SR)

LIMITS LOWER - UPPER	FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 01 - 1.2E 02	4	4	1.61	1.61
1.2E 02 - 1.8E 02	59	63	23.69	25.30
1.8E 02 - 2.6E 02	68	131	27.31	52.61
2.6E 02 - 3.8E 02	88	219	35.34	87.95
3.8E 02 - 5.6E 02	15	234	6.02	93.98
5.6E 02 - 8.3E 02	14	248	5.62	99.60
8.3E 02 - 1.2E 03	1	249	0.40	100.00

HISTOGRAM FOR COLUMN 25 (PPM SR)

```
1.0E 02 XX

1.5E 02 XXXXXXXXXXXXXXXXXXXXXXX

2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

5.0E 02 XXXXXX

7.0E 02 XXXXXX

1.0E 03
```

N	L	H	S	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	249
0.0	0.0			0.0	0.0	

MAXIMUM = 1.00000E 03

MINIMUM = 1.00000E 02

GEOMETRIC MEAN = 2.43307E 02

GEOMETRIC DEVIATION = 1.55970E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 26 (PPM V)

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	2	2	0.80	0.80
3.8E 01 -	5.6E 01	0	2	0.0	0.80
5.6E 01 -	8.3E 01	1	3	0.40	1.20
8.3E 01 -	1.2E 02	5	8	2.01	3.21
1.2E 02 -	1.8E 02	53	61	21.29	24.50
1.8E 02 -	2.6E 02	69	130	27.71	52.21
2.6E 02 -	3.8E 02	96	226	38.55	90.76
3.8E 02 -	5.6E 02	17	243	6.83	97.59
5.6E 02 -	8.3E 02	4	247	1.61	99.20
8.3E 02 -	1.2E 03	1	248	0.40	99.60
1.2E 03 -	1.8E 03	1	249	0.40	100.00

HISTOGRAM FOR COLUMN 26 (PPM V)

```
       3.0E 01 X

       5.0E 01

       7.0E 01

       1.0E 02 XX

       1.5E 02 XXXXXXXXXXXXXXXXXXXX

       2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXX

       3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

       5.0E 02 XXXXXXX

       7.0E 02 XX

       1.0E 03

       1.5E 03
```

N	L	H	B	T	G	ANALYTICAL VALUES
0	0	0	0	0	0	249
0.0	0.0			0.0	0.0	

MAXIMUM = 1.50000E 03

MINIMUM = 3.00000E 01

GEOMETRIC MEAN = 2.34439E 02

GEOMETRIC DEVIATION = 1.58011E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 28 (PPM Y)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
8.3E 00 -	1.2E 01	1	1	0.40	0.40
1.2E 01 -	1.8E 01	63	64	25.30	25.70
1.8E 01 -	2.6E 01	94	158	37.75	63.45
2.6E 01 -	3.8E 01	54	212	21.69	85.14
3.8E 01 -	5.6E 01	26	238	10.44	95.58
5.6E 01 -	8.3E 01	7	245	2.81	98.39
8.3E 01 -	1.2E 02	1	246	0.40	98.80

HISTOGRAM FOR COLUMN 28 (PPM Y)

```
1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXX

2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

3.0E 01 XXXXXXXXXXXXXXXXXXXXX

5.0E 01 XXXXXXXXXX

7.0E 01 XXX

1.0E 02
```

N	L	H	B	T	G	ANALYTICAL VALUES
3	0	0	0	0	0	246
1.20	0.0			0.0	0.0	

MAXIMUM = 1.00000E 02

MINIMUM = 1.00000E 01

GEOMETRIC MEAN = 2.32714E 01

GEOMETRIC DEVIATION = 1.53051E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 29 (PPM ZN)

LIMITS LOWER - UPPER		FREQ	FREQ CUM	PERCENT FREQ	PERCENT FREQ CUM
1.8E 02 -	2.6E 02	27	27	10.84	10.84
2.6E 02 -	3.8E 02	25	52	10.04	20.88
3.8E 02 -	5.6E 02	7	59	2.81	23.69
5.6E 02 -	8.3E 02	12	71	4.82	28.51
8.3E 02 -	1.2E 03	1	72	0.40	28.92
1.2E 03 -	1.8E 03	2	74	0.80	29.72
1.8E 03 -	2.6E 03	1	75	0.40	30.12

HISTOGRAM FOR COLUMN 29 (PPM ZN)

```
2.0E 02 XXXXXXXXXXX

3.0E 02 XXXXXXXXXX

5.0E 02 XXX

7.0E 02 XXXXX

1.0E 03

1.5E 03 X

2.0E 03
```

N	L	H	B	T	G	ANALYTICAL VALUES
44	130	0	0	0	0	75
17.67	52.21			0.0	0.0	

MAXIMUM = 2.00000E 03

MINIMUM = 2.00000E 02

GEOMETRIC MEAN = 3.38765E 02

GEOMETRIC DEVIATION = 1.76731E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0 x 10^{-1} or 0.1, a value 1.0E 01 means 1.0 x 10^{1} or 10.0, a value 1.0E-02 means 1.0 x 10^{-2} or 0.01, a value 1.0E 02 means 1.0 x 10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

FREQUENCY TABLE FOR COLUMN 30 (PPM ZR)

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	0.40	0.40
2.6E 01 -	3.8E 01	3	4	1.20	1.61
3.8E 01 -	5.6E 01	12	16	4.82	6.43
5.6E 01 -	8.3E 01	121	137	48.59	55.02
8.3E 01 -	1.2E 02	48	185	19.28	74.30
1.2E 02 -	1.8E 02	25	210	10.04	84.34
1.8E 02 -	2.6E 02	16	226	6.43	90.76
2.6E 02 -	3.8E 02	15	241	6.02	96.79
3.8E 02 -	5.6E 02	3	244	1.20	97.99
5.6E 02 -	8.3E 02	3	247	1.20	99.20

HISTOGRAM FOR COLUMN 30 (PPM ZR)

```
3.0E 01 X
5.0E 01 XXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXXXXXXXXXXXX
1.5E 02 XXXXXXXXXX
2.0E 02 XXXXXX
3.0E 02 XXXXXX
5.0E 02 X
7.0E 02 X
```

N	L	H	R	T	G	ANALYTICAL VALUES
2	0	0	0	0	0	247
0.80	0.0			0.0	0.0	

MAXIMUM = 7.00000E 02

MINIMUM = 2.00000E 01

GEOMETRIC MEAN = 9.66757E 01

GEOMETRIC DEVIATION = 1.74983E 00

Explanation

The letter E after a value stands for decimal exponent and is followed by a signed or unsigned, one- or two-digit integer. For example, a value of 1.0E-01 means 1.0×10^{-1} or 0.1, a value 1.0E 01 means 1.0×10^{1} or 10.0, a value 1.0E-02 means 1.0×10^{-2} or 0.01, a value 1.0E 02 means 1.0×10^{2} or 100, etc.

Histograms represent percent frequency distribution where each X equals one percent.

TABLE 2

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

TABLE 2

A470 STATISTICAL SUMMARY DATE 1/16/70

ELEMENT	N	L	H	B	T	G	ANALYTICAL VALUES
FE PCT.	0	0	0	0	0	4	245
MG PCT.	0	0	0	0	0	1	248
CA PCT.	0	0	0	0	0	0	249
TI PCT.	0	0	0	0	0	5	244
MN PPM	0	0	0	0	0	0	249
AG PPM	159	55	0	0	0	0	35
AS PPM	249	0	0	0	0	0	0
AU PPM	0	245	0	0	0	0	4
B PPM	9	25	0	0	0	0	215
BA PPM	0	3	0	0	0	0	246
BE PPM	71	108	0	0	0	0	70
BI PPM	249	0	0	0	0	0	0
CD PPM	249	0	0	0	0	0	0
CO PPM	0	2	0	0	0	0	247
CR PPM	0	3	0	0	0	0	246
CU PPM	0	0	0	0	0	0	249
LA PPM	84	105	0	0	0	0	60
MO PPM	36	158	0	0	0	0	55
NB PPM	0	30	0	0	0	0	219
NI PPM	5	2	0	0	0	0	242
PB	37	62	0	0	0	0	150
PPM SB	249	0	0	0	0	0	0
PPM SC	0	0	0	0	0	0	249
PPM SN	249	0	0	0	0	0	0
PPM SR	0	0	0	0	0	0	249
PPM V	0	0	0	0	0	0	249
PPM W	249	0	0	0	0	0	0
PPM Y	3	0	0	0	0	0	246
PPM ZN	44	130	0	0	0	0	75
PPM ZR	2	0	0	0	0	0	247

ELEMENT	GEOMETRIC MEAN	GEOMETRIC DEVIATION	REMARKS
FE PCT.	********	******	4 GREATER THAN VALUES. NO COMPUTATIONS.
MG PCT.	********	******	1 GREATER THAN VALUES. NO COMPUTATIONS.
CA PCT.	2.747781	2.19	249 SAMPLES AND 249 ANALYTICAL VALUES.
TI PCT.	********	******	5 GREATER THAN VALUES. NO COMPUTATIONS.
MN PPM	1146.913086	1.54	249 SAMPLES AND 249 ANALYTICAL VALUES.
AG PPM	0.107837	3.15	214 NOT DETECTED, LESS THAN, OR TRACE VALUES. 35 REPORTED VALUES.
AS PPM	********	******	249 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
AU PPM	********	******	245 NOT DETECTED, LESS THAN, OR TRACE VALUES. 4 REPORTED VALUES. NO COMPUTATIONS.
B PPM	********	******	1 VALUES LESS THAN SPECIFIED LIMIT OF DETECTION. NO COMPUTATIONS.
BA PPM	525.294434	2.15	3 NOT DETECTED, LESS THAN, OR TRACE VALUES. 246 REPORTED VALUES.
BE PPM	0.642200	1.56	179 NOT DETECTED, LESS THAN, OR TRACE VALUES. 70 REPORTED VALUES.
BI PPM	********	******	249 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
CD PPM	********	******	249 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.
CO PPM	25.585266	1.74	2 NOT DETECTED, LESS THAN, OR TRACE VALUES. 247 REPORTED VALUES.
CR PPM	98.287643	2.07	3 NOT DETECTED, LESS THAN, OR TRACE VALUES. 246 REPORTED VALUES.
CU PPM	45.771210	1.92	249 SAMPLES AND 249 ANALYTICAL VALUES.
LA PPM	********	******	189 NOT DETECTED, LESS THAN, OR TRACE VALUES. 60 REPORTED VALUES. NO COMPUTATIONS.
MO PPM	1.581115	3.15	194 NOT DETECTED, LESS THAN, OR TRACE VALUES. 55 REPORTED VALUES.
NB PPM	10.364638	1.24	30 NOT DETECTED, LESS THAN, OR TRACE VALUES. 219 REPORTED VALUES.
NI PPM	50.550156	2.06	7 NOT DETECTED, LESS THAN, OR TRACE VALUES. 242 REPORTED VALUES.
PB	9.583311	1.97	99 NOT DETECTED, LESS THAN, OR TRACE VALUES. 150 REPORTED VALUES.
PPM SB	********	******	249 NOT DETECTED, LESS THAN, OR TRACE VALUES. 0 REPORTED VALUES. NO COMPUTATIONS.

TABLE 2

PPM	SC	20.171646	1.45	249	SAMPLES AND	249 ANALYTICAL VALUES.	
PPM	SN	********	******	249	NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
PPM	SR	243.306473	1.56	249	SAMPLES AND	249 ANALYTICAL VALUES.	
PPM	V	234.437851	1.58	249	SAMPLES AND	249 ANALYTICAL VALUES.	
PPM	W	********	******	249	NOT DETECTED, LESS THAN, OR TRACE VALUES.	0 REPORTED VALUES.	NO COMPUTATIONS.
PPM	Y	22.940506	1.56	3	NOT DETECTED, LESS THAN, OR TRACE VALUES.	246 REPORTED VALUES.	
PPM	ZN	102.002380	2.85	174	NOT DETECTED, LESS THAN, OR TRACE VALUES.	75 REPORTED VALUES.	
PPM	ZR	94.677826	1.83	2	NOT DETECTED, LESS THAN, OR TRACE VALUES.	247 REPORTED VALUES.	