UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CONTOUR MAPS, STATISTICAL SUMMARIES, AND ANALYTICAL DATA FROM STREAM-SEDIMENT SAMPLES COLLECTED FROM THE GLACIER PEAK STUDY AREA AND ANALYZED USING AN AQUA-REGIA LEACH/INDUCTIVELY COUPLED PLASMA METHOD

By

S. E. Church, J. M. Motooka, R. S. Werschky,
R. C. Bigelow, and George VanTrump, Jr.

Open-File Report 83-343

1983

CONTENTS

ILLUSTRATIONS

ILLUSTRATIONS (continued)

TABLES

STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88–577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of a geochemical study using a new analytical technique for stream–sediment samples collected in the Glacier Peak Wilderness and adjacent Roadless Areas in the Mount Baker–Snoqualmie and Wenatchee National Forests, Chelan, Skagit, and Snohomish Counties, Washington. The Glacier Peak Wilderness (Forest Service number NF031) was established by Public Law 88–577, September 3, 1964. The Glacier Peak roadless areas (06031) were classified as either further planning or proposed wilderness during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

INTRODUCTION

During the reconnaissance geochemical evaluation of the Glacier Peak Wilderness and adjacent areas, an aqua–regia leach/Inductively Coupled Plasma (ICP) method was evaluated as a rapid analytical tool for reconnaissance geochemistry. Stream sediments collected from these areas, for which adequate sample was available, were analyzed and the results are given in this report. Sample localities are given on the plates in the reports on the Glacier Peak and Eagle Rock roadless areas (Church and others, 1982a) and the Glacier Peak study area (Church and others, 1982b). The areal distribution of the samples analyzed in this study are shown in figure 1.

Previous investigations on the application of ICP analytical techniques to exploration geochemistry focused on leaching techniques. The USGS geochemical exploration standards (Allcott and Lakin, 1978), GXR–1–6, and the Canadian Geological Survey Standards, (Bowman and others, 1979), SO 1–4 were used to evaluate the leaching approach. Of the three leaching methods studied, that is a leach in oxalic acid (Motooka and Sutley, 1982), a leach in hot, concentrated nitric acid, and a leach in hot aqua regia (Church, 1978), the aqua–regia leach was most effective. Analytical recoveries of most ore metals, when ratioed to the concentrations of the element determined in an HF digestion of the same aliquat of the GXR standard, show recoveries of 85 percent or better. By comparison, the lithophile elements, that is, those elements found primarily in silicate lattices (magnesium, calcium, aluminum, barium, strontium, titanium, chromium, and so forth), often show recoveries of about 50 percent. Similar recoveries would be expected for the lithophile elements from stream sediments from this area because of the high relief, high rainfall (greater than 100 inches/year), and small amount of weathering of silicate minerals that has occurred. Recovery data for the GXR samples are summarized in figure 2. Replicate analyses of the standards indicate a precision of about $\pm$ 10 percent. Application of the aqua–regia leach technique results in selective digestion of elements bound in sulfide and oxide phases, as well as those elements released by weathering and hydromorphic processes. Thus, the chalcophile and transition metals are enhanced in the analyte at the expense of the metals bound in the silicate lattices.

ANALYTICAL METHOD

One gram of stream–sediment sample (minus–80 mesh) was weighed on a top–loading, electronic balance having a weighing precision of $\pm$ 1 percent (limited by the two–digit decimal readout of the electronic balance). Samples were transferred to a

precleaned 50 mL pyrex beaker for digestion. The sample was first wetted with 10 percent HCl to react with any carbonate present. Following the completion of this reaction, 15 mL of aqua regia (1:3; HNO_3:HCl, freshly prepared) was added to each sample. The initial oxidation of the nonsilicate phases present in the sample usually occurred as a vigorous reaction, often before, or as soon as the sample was placed on the hot plate. The reaction was contained by quenching with distilled water from a squirt bottle. This procedure also served to break up the emulsion that formed during this initial reaction and prevented expulsion of sample that would occur if the reaction were left unattended. Following the initial oxidation process (the vigorous reaction is complete after about ten minutes), the sample was moved to a second hotplate at about 80°C. At this temperature, the aqua–regia leach continued to oxidize the sample as the solution was taken slowly to dryness overnight. The low temperature is necessary to prevent spattering of the samples during the evaporating process.

The following morning, about 5 mL of 6M HCl was added to each sample and the sample was gently heated until the acid soluble residue was dissolved. The acid–soluble portion was decanted into a pyrex graduated cylinder, and the sample residue was washed with 6M HCl to give a final volume of 10 $\pm$ 0.5 mL. A total of three rinses of each sample residue was made during the sample transfer process. The samples were filtered through Whatman #41 filter paper that had been equilibrated with a 10–percent HCl solution. (This solution was brought to 25 mL volume with distilled water.) The final solution used for analysis was a 20–percent HCl solution (V/V). Samples were processed in a batch mode, and blanks and check samples (GXR–1–6 standards) were run routinely. About 60 samples per man–day were processed, and only limited chemical training is needed.

The sample preparation procedure used here is laborious, however, it is necessary that the initial sample dissolution step take place at the azeotrope of the acid used to maintain constant acidity in the final solution analyzed. At the acid concentration used in this study, the relationship between signal intensity (that is, element concentration) and acidity (that is, the transport effect curve), has a slope of –0.5 for the concentric nebulizer (see fig. 2; Church, 1981b). The slope of the transport effect curve (Motooka and Church, unpublished data) for the Babington nebulizer (Garbarino and Taylor, 1980) used in this study is nearly identical to that of the concentric nebulizer. At this slope (–0.5), a 2–percent error in acidity of the analyte will cause a 1–percent analytical bias between the unknown and the gravimetric standard solutions. Careful control of the acidity of the sample solution is necessary to eliminate this source of determinate error. Filtering the sample was included in the analytical scheme to prevent partial or complete clogging of the small orifice of the Babington nebulizer. Any change in the rate of sample delivery to the ICP will introduce a relative error in the analytical results because the rate of sample delivery is assumed to be a constant in the calibration scheme (Church, 1981a).

The ICP instrumentation used during this study is a commercially available ICPQ model–137000 from Applied Research Laboratories (Ajhar and others, 1976). The instrumental array is given in table 2. Corrections made for spectral interferences were determined using the procedure described by Church (1981a, 1981b). Analytical results are calculated in real time by the dedicated DEC PDP 11–04 mini–coumputer that controls the instrument, and the results are stored on a floppy disk. Following the analysis of the samples, the ICP data were transferred from the DEC computer files to an HP1000 computer via a hardwired RS232 unit (Bigelow, 1982). The data were then transferred via magnetic tapes from the HP1000 computer to the Multics, a Honeywell computer system, in which a STATPAC binary file was created for use in this system (VanTrump and Miesch, 1977). All data were rounded to two significant figures.

Analytical results from this study for all elements having either positive or qualified data are presented in this report and have been corrected for spectral interferences (table 3). Lower limits of determination are variable, and are dependent

not only on the dilution (that is, the amount of sample leached, for example, 1 g/25 mL) but also on the magnitude of spectral interferences present in each sample. This phenomenon is array dependent; the instrumental data and the calculated limit of determination for an "average" sample from this study are given in table 1. Note that the limit of determination is a term applied to the lowest value measurable in the sample whereas the limit of detection is an instrumental parameter measured using pure, single-element gravimetric standards, free of spectral interference.

Analytical results from the study are presented in table 3. Concentrations present at values below the limit of detection are indicated by a "less than" carot followed by the limit of detection for that sample (for example, <10). Qualitative values, that is, those determined between the limit of detection and the limit of determination, are noted by an L followed by the value measured. Data on a number of elements are severely limited by the interferences present on the analytical line used in the instrument (see table 1 for the instrumental array used). Studies of interferences on instrumental arrays from several instruments (Church, 1981b) have been made and the results do not differ significantly from instrument to instrument where the same analytical line is used. Normally, the uncertainty on the slope term of spectral interferences can be determined to within ± 5 percent (Church, 1981b). The effect of interference corrections on analytical accuracy, however, is another matter and is shown diagrammatically in figure 3. Consider the cases shown graphically in figure 3A; when the percentage of the residual signal decreases, the analytical uncertainty increases dramatically as the contribution to the raw signal changes. In fact, the percent analytical error is a hyperbolic function of the percent residual signal as shown in figure 3B. In table 3, the data that include a 25-percent or less residual signal are only qualitative and are designated by an L; the data that include a 10-percent or less residual signal are designated with a "less than" carot. Data on gold provide a good example of this problem. Because of the magnitude of the interference correction of manganese on gold, and because of the large abundance ratio of manganese to gold ($<2.5 \times 10^5$, Erickson, 1973), the number of gold determinations given in table 3 is small.

The test of the geochemical method described here comes from the interpretation of geochemical patterns and their relationship to known geochemical anomalies. In figure 4 we summarize the locations of known deposits in the Glacier Peak study area. These areas are the hachured patterns shown on the stream drainage base. The stream drainage base was taken from the Concrete and Wenatchee 1:250,000 topographic maps. The geochemical signature and deposit type of each of the mineralized areas is given in table 2. Plots of the geochemical data obtained by this method are presented in figures 5–24. Contour plots were chosen to show the shape and extent of the geochemical anomalies relative to known deposits. The three contours were chosen to represent the shape of the highs in the geochemical landscape. The isopleths for each element represent approximately the 60th, 90th, and 97th percentile of the data for that element. In the case of molybdenum (Mo), tungsten (W), and lead (Pb), qualified values were used to define the lower isopleth surfaces. Percentile represented by each isopleth are given in the figure captions.

Statistical summaries of the data, with the exception of antimony (Sb), bismuth (Bi), and tin (Sn) are given for this data set in table 4, correlation coefficients are in table 5, and frequency distributions and histograms for each element are presented in table 6 (VanTrump and Miesch, 1977). Comparisons of the isopleth values chosen for the elemental plots should be made with the histograms of the data to determine the portion of the data that lie above the various isopleths chosen for each element.

REFERENCES CITED

Ajhar, R. M., Dalagar, P. D., and Davidson, A. L., 1976, Multielement analysis with an Inductively Coupled Plasma/optical emission system: American Laboratory, v. 8, no. 3, p. 71–76.

Allcott, G. H., and Lakin, H. W., 1978, Tabulation of geochemical data furnished by 109 laboratories for six geochemical exploration reference samples: U.S. Geological Survey Open-File Report 78–163, 199 p.

Bigelow, R. C., 1982, Interfacing an ARL plasma spectrometer to an HP1000 minicomputer: U.S. Geological Survey Open-File Report 82–963, 66 p.

Bowman, W. S., Faye, G. H., Sutarno, R., McKeague, J. A., and Kodama, H., 1979, New CCRMP reference soils SO–1 to SO–4: Geostandards Newsletter, v. 3, p. 109–113.

Church, S. E., 1978, Multielement ore analysis using the ICP–AES method [abs.]: Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Cleveland, Ohio, no. 387.

____1981a, Elemental abundances determined in geological reference samples using inductively coupled plasma–atomic emission spectroscopy: Geostandards Newsletter, v. 5, p. 133–160.

____1981b, Multiple element determinations in geological reference samples—an evaluation of the inductively coupled plasma–atomic emission spectroscopy method for geochemical applications in: Developments in atomic plasma spectrochemical analysis, R. M. Barnes, ed., Hayden and Sons, Philadelphia, Pennsylvania, p. 410–434.

Church, S. E., Mosier, E. L., Frisken, J. G., Arbogast, B. F., and McDougal, C. M., 1982a, Analytical results for stream sediments and panned concentrates from stream sediments collected from the Monte Cristo and Eagle Rocks study areas, Washington: U.S. Geological Survey Open-File Report 82–303, 83 p.

____1982b, Analytical results for stream sediments and panned concentrates from stream sediments collected from the Glacier Peak study area, Washington: U.S. Geological Survey Open-File Report 82–780, 227 p.

Erickson, R. L., 1973, Crustal abundance of elements, and mineral reserves and resources in: United States Mineral Resources: U.S. Geological Survey Professional Paper 820, p. 21–25.

Garbarino, J. R., and Taylor, H. E., 1980, A Babington type nebulizer for use in the analysis of natural water samples by inductively coupled plasma spectrometry: Applied Spectroscopy, 34, p. 584–590.

Grant, A. R., 1982, Summary of economic geology data for the Glacier Peak Wilderness, Chelan, Snohomish, and Skagit Counties, Washington: U.S. Geological Survey Open-File Report 82–408, 43 p.

Motooka, J. M., and Sutley, S. J., 1982, Analysis of oxalic leachates of geologic materials by Inductively Coupled Plasma–Atomic Emission Spectroscopy: Applied Spectroscopy, v. 36, no. 5, p. 524–533.

VanTrump, George, Jr., and Miesch, A. T., 1977, The U.S. Geological Survey RASS–STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, no. 3, p. 475–488.

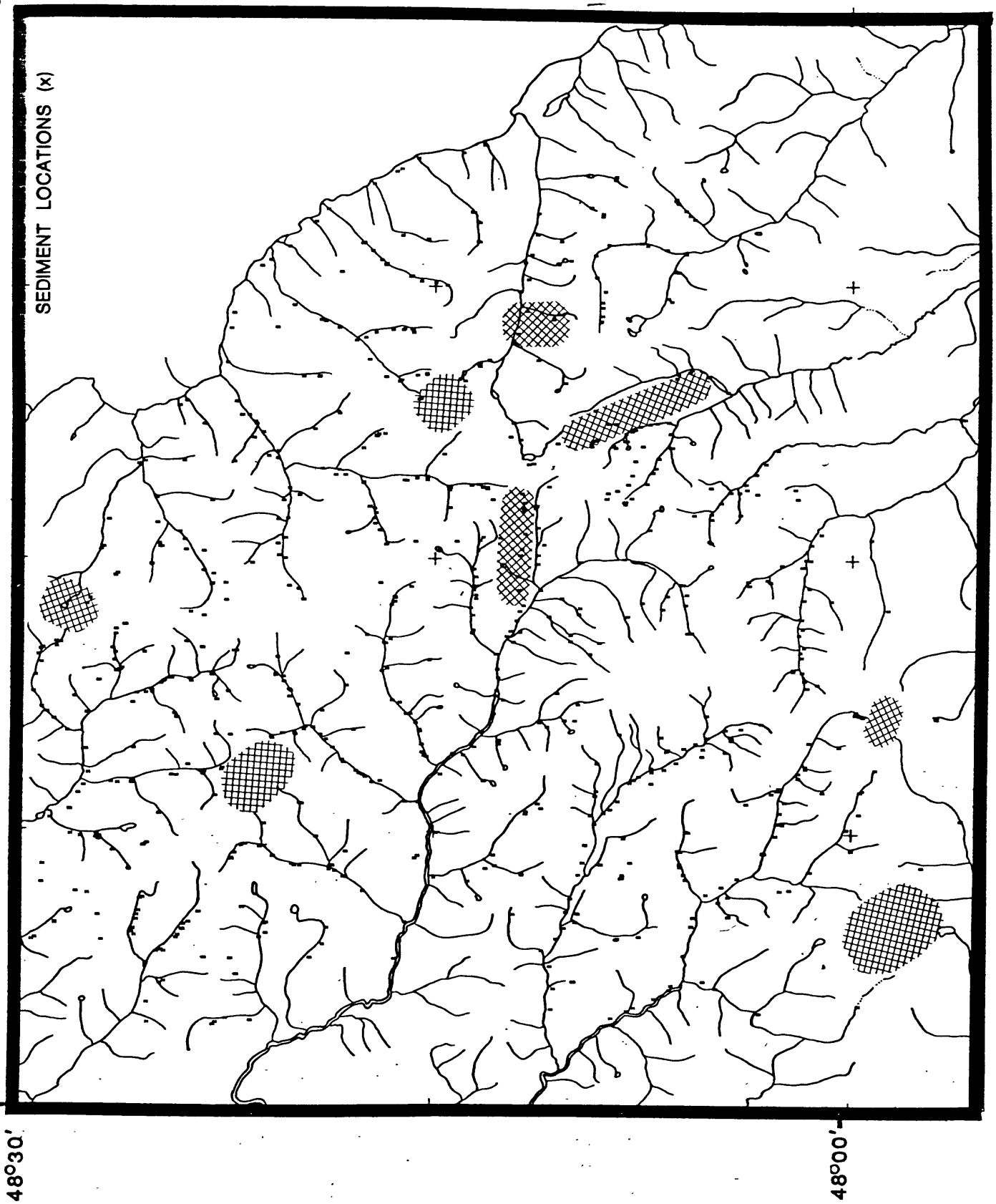


Figure 1. Localities of stream-sediment samples digested in aqua regia and analyzed by ICP methods. Sample numbers and exact locations can be obtained from the map plates in Church and others (1982a, 1982b). Mineralized areas are indicated by the hachured pattern (see fig. 4 and table 2).

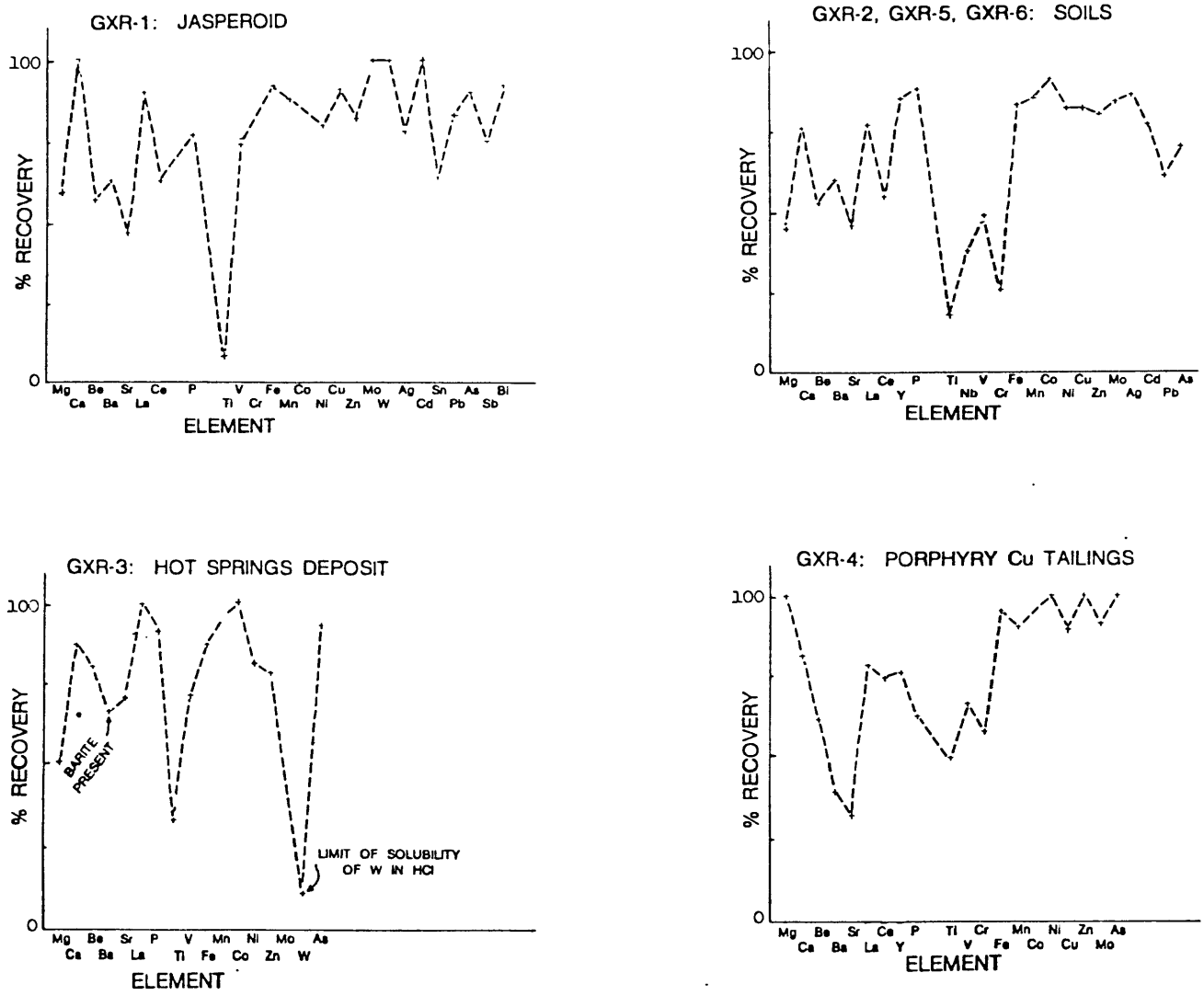
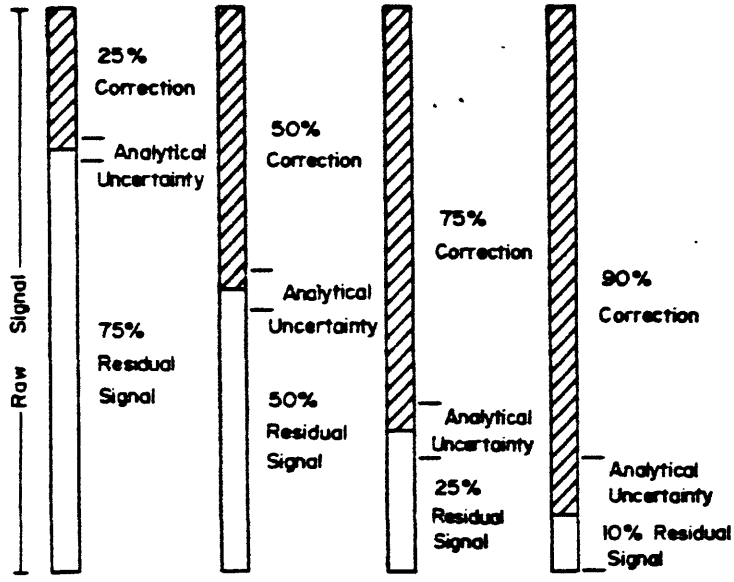
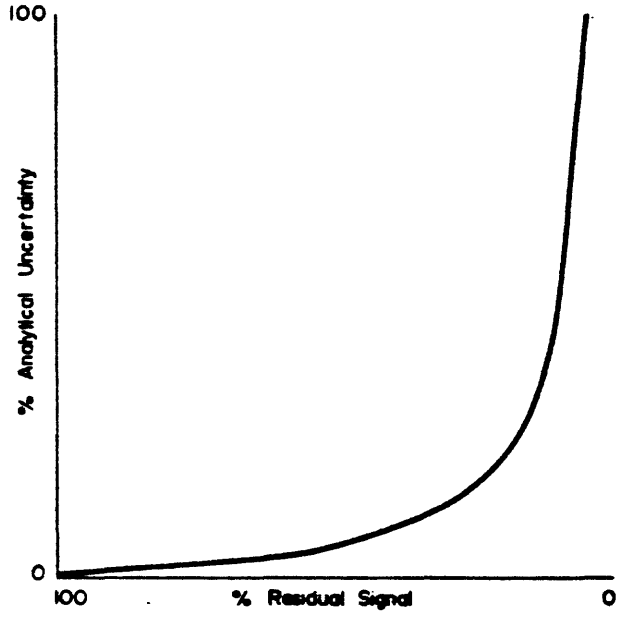


Figure 2. Plot of percent (%) recovery from aqua-regia digestion for the GXR standard rock series by element (Allcott and Lakin, 1978). Data represent average values from 10 digestions with aqua regia conducted during the course of this study. These values were divided by the values obtained on these rocks using HF digestion (Church, unpublished data).



(A)



(B)

Figure 3. Diagrammatic presentation of the effect of interference correction on analytical uncertainty. Patterned bar represents percentage (%) of analytical signal contributed from interferences (3A). The residual signal is represented by the unshaded portion of the total or raw signal. The analytical uncertainty is simply the sum of statistical uncertainty of the measurement of the raw signal expressed as a function of the residual signal. Figure 3B shows the effect of the analytical uncertainty expressed graphically as a function of the residual signal.

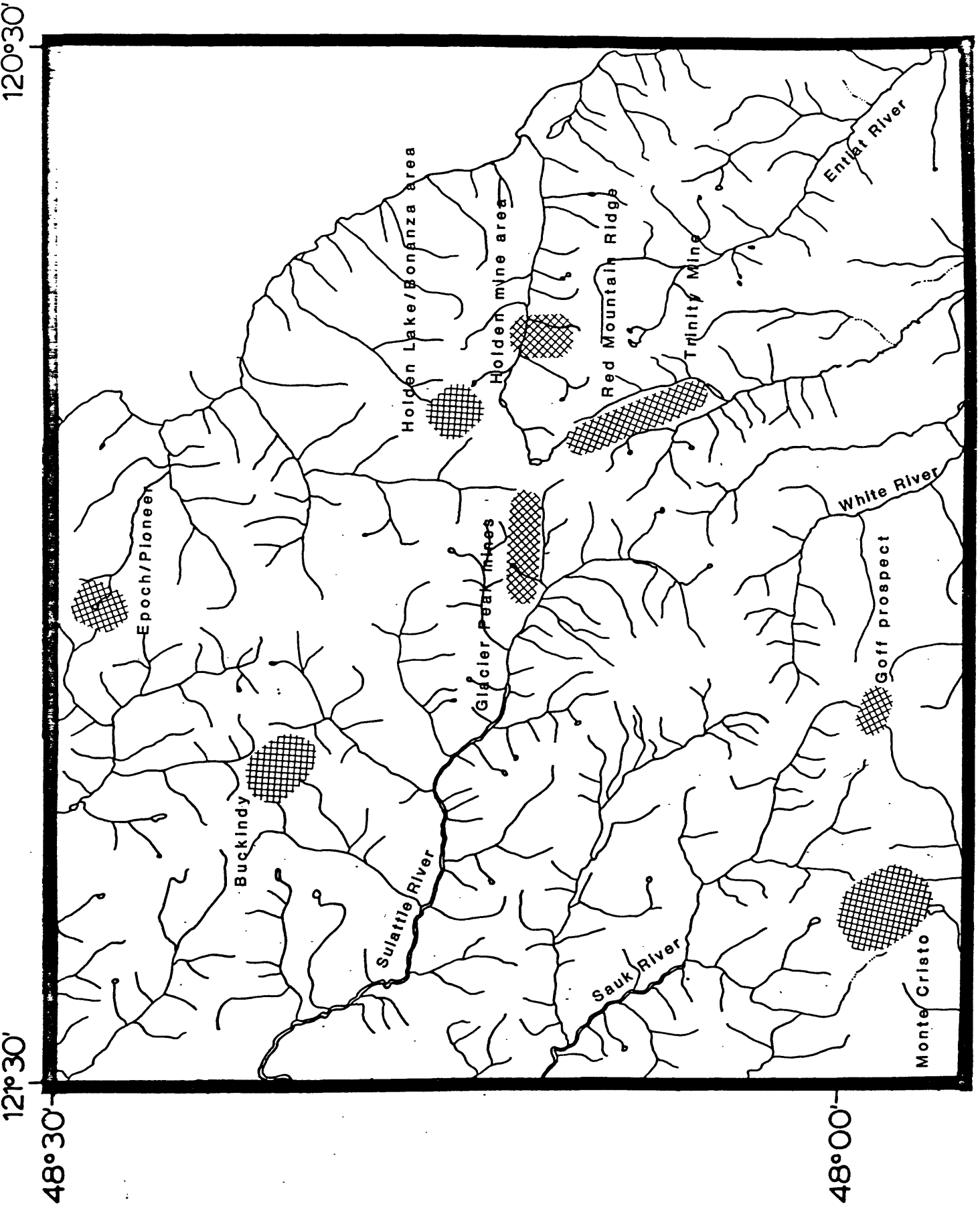


Figure 4. Stream drainage base of the Glacier Peak study area showing locations of major mineralized areas (hachured) within the study area. Additional data on deposit types and geochemical anomalies are given in table 2.

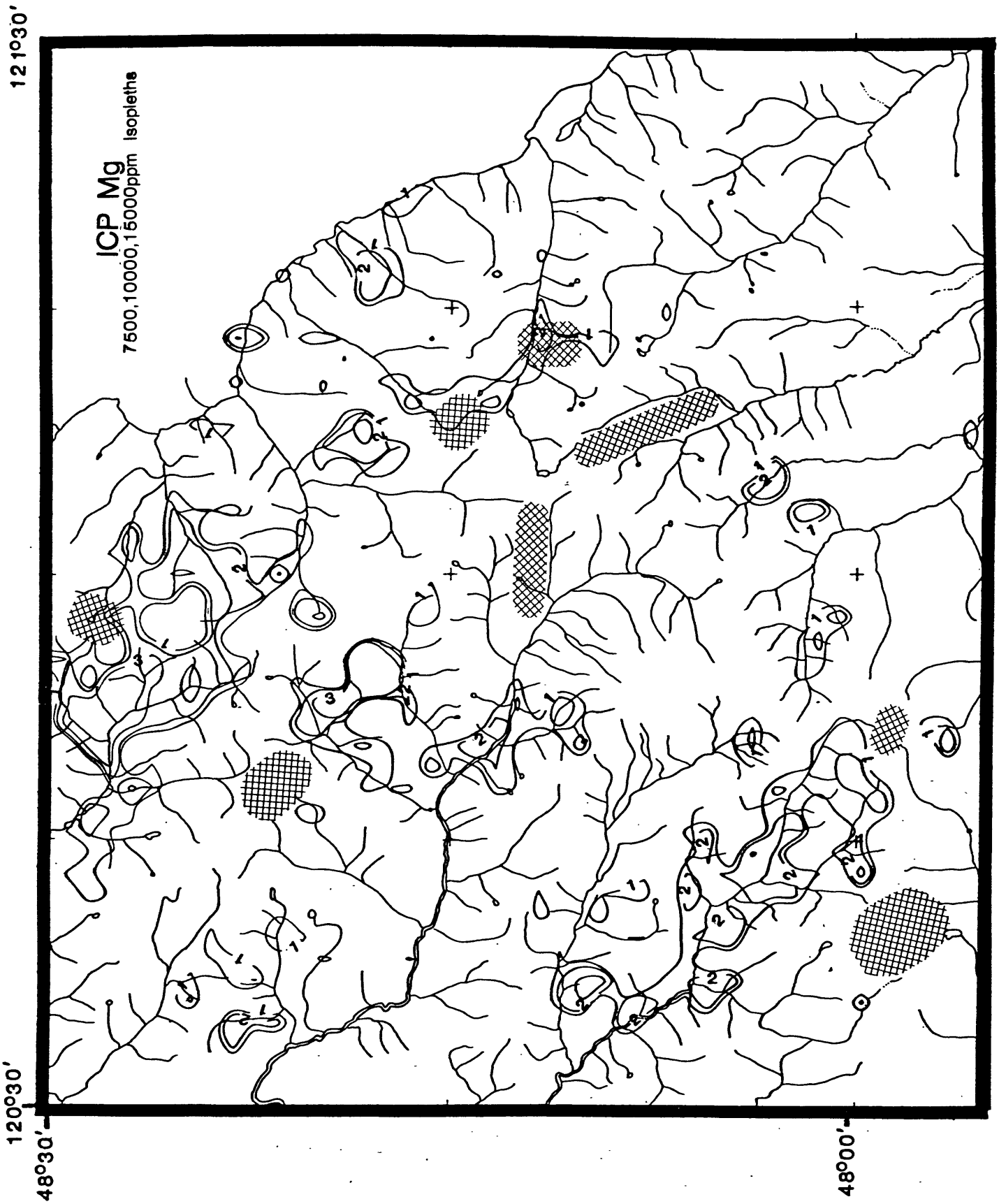


Figure 5. Plot of aqua-regia-soluble magnesium (Mg) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 7500 ppm), 90th (2 = 10,000 ppm), and 97th (3 = 15,000 ppm) percentiles (see data, table 6).

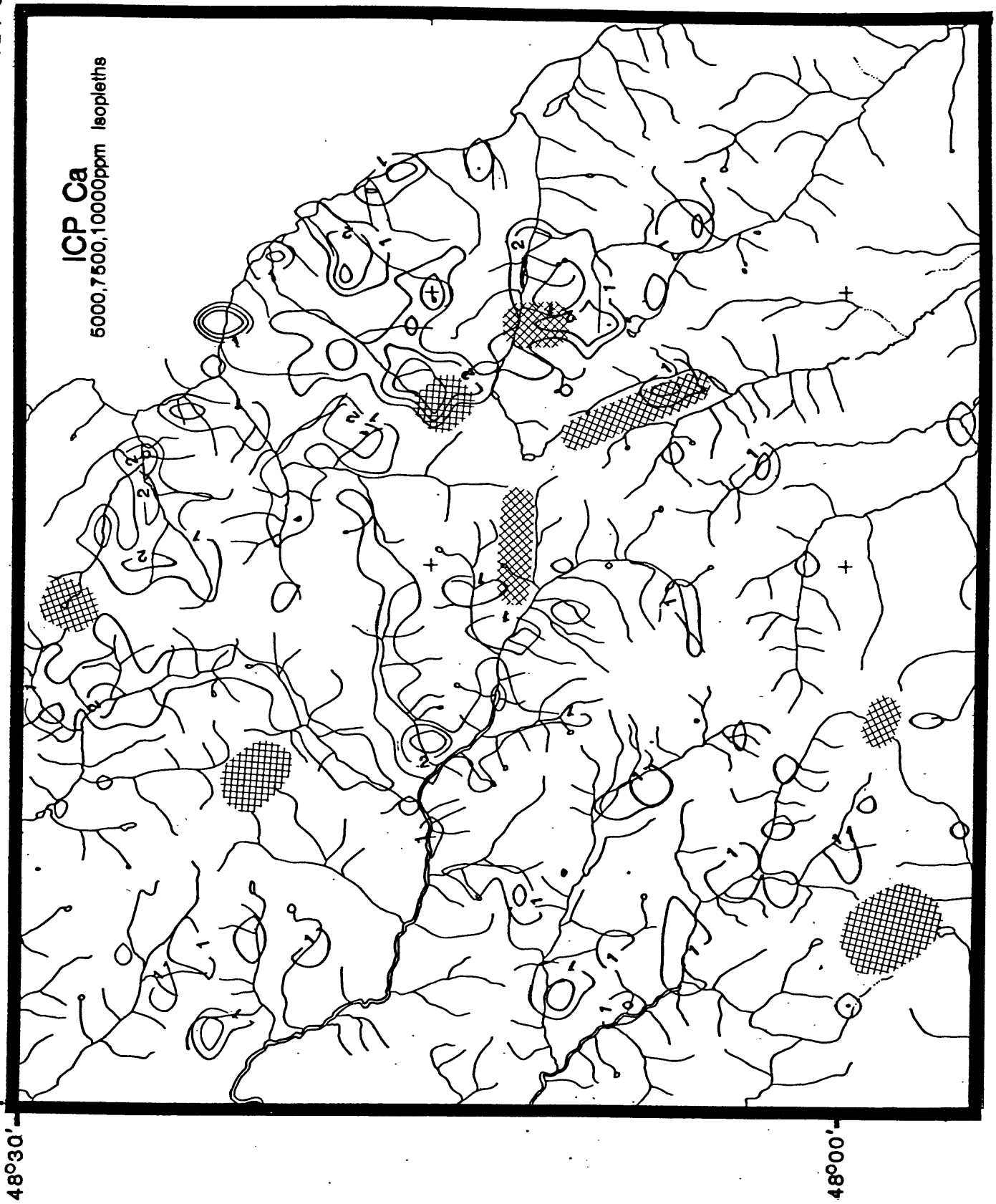


Figure 6. Plot of aqua-regia-soluble calcium (Ca) data from stream sediments. Isopleths were chosen to approximate the 50th (1 = 5000 ppm), 68th (2 = 7500 ppm), and 90th (3 = 10,000 ppm) percentiles (see data, table 6).

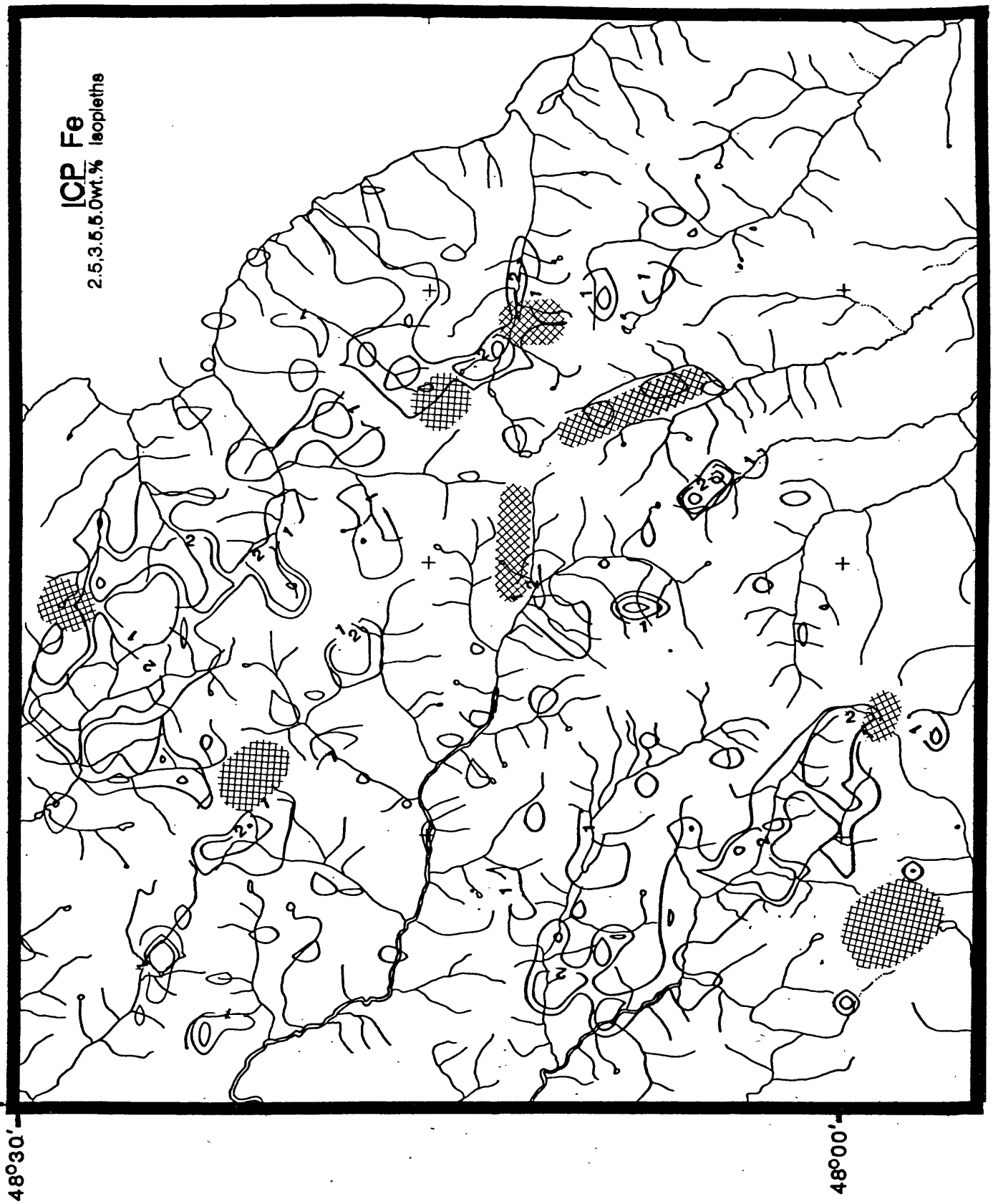


Figure 7. Plot of aqua-regia-soluble iron (Fe) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 2.5 wt. %), 90th (2 = 3.5 st. %), and 97th (3 = 5.0 wt. %) percentiles (see data, table 6).

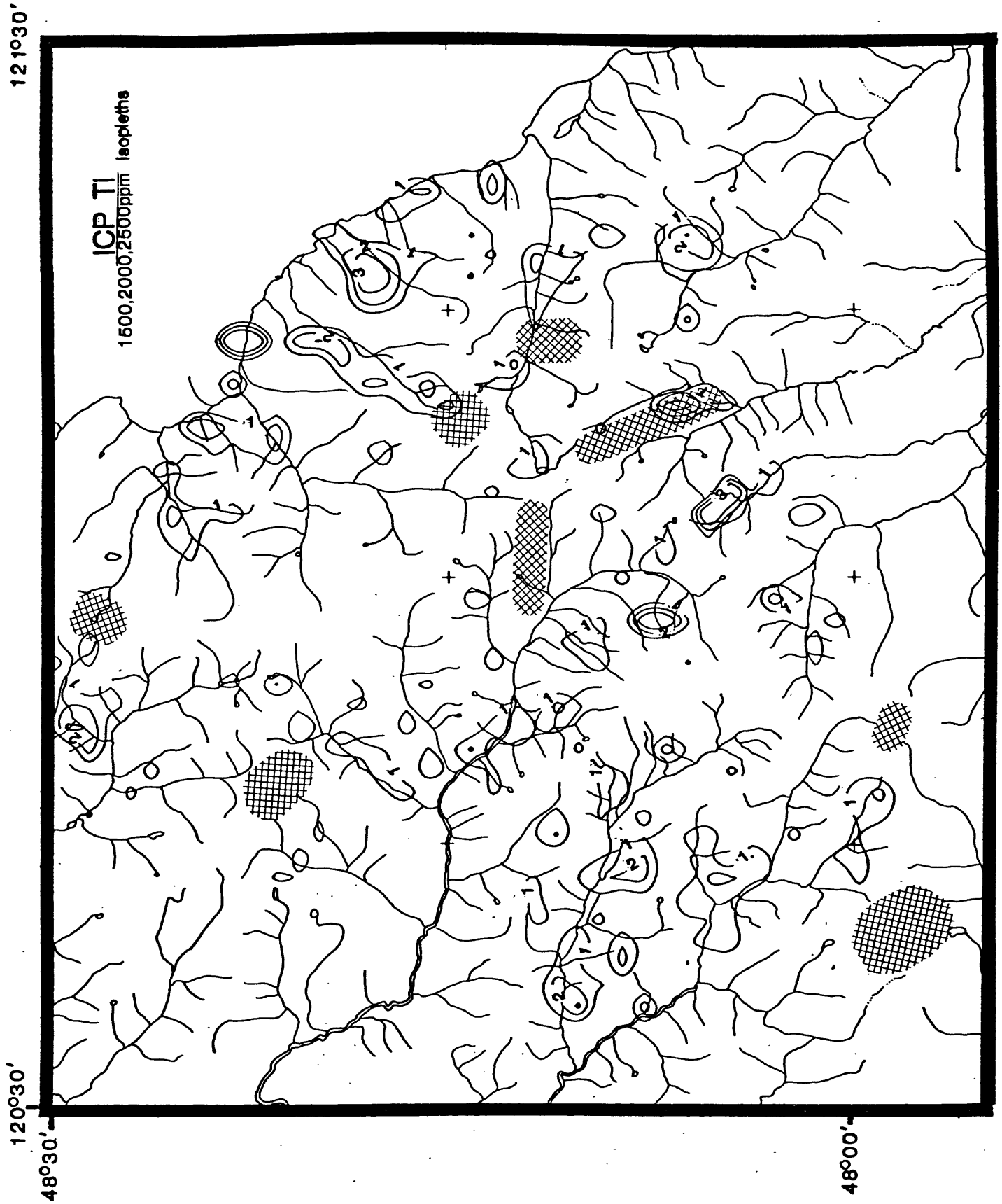


Figure 8. Plot of aqua-regia-soluble titanium (Ti) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 1500 ppm), 90th (2 = 2000 ppm), and 97th (3 = 2500 ppm) percentiles (see data, table 6).

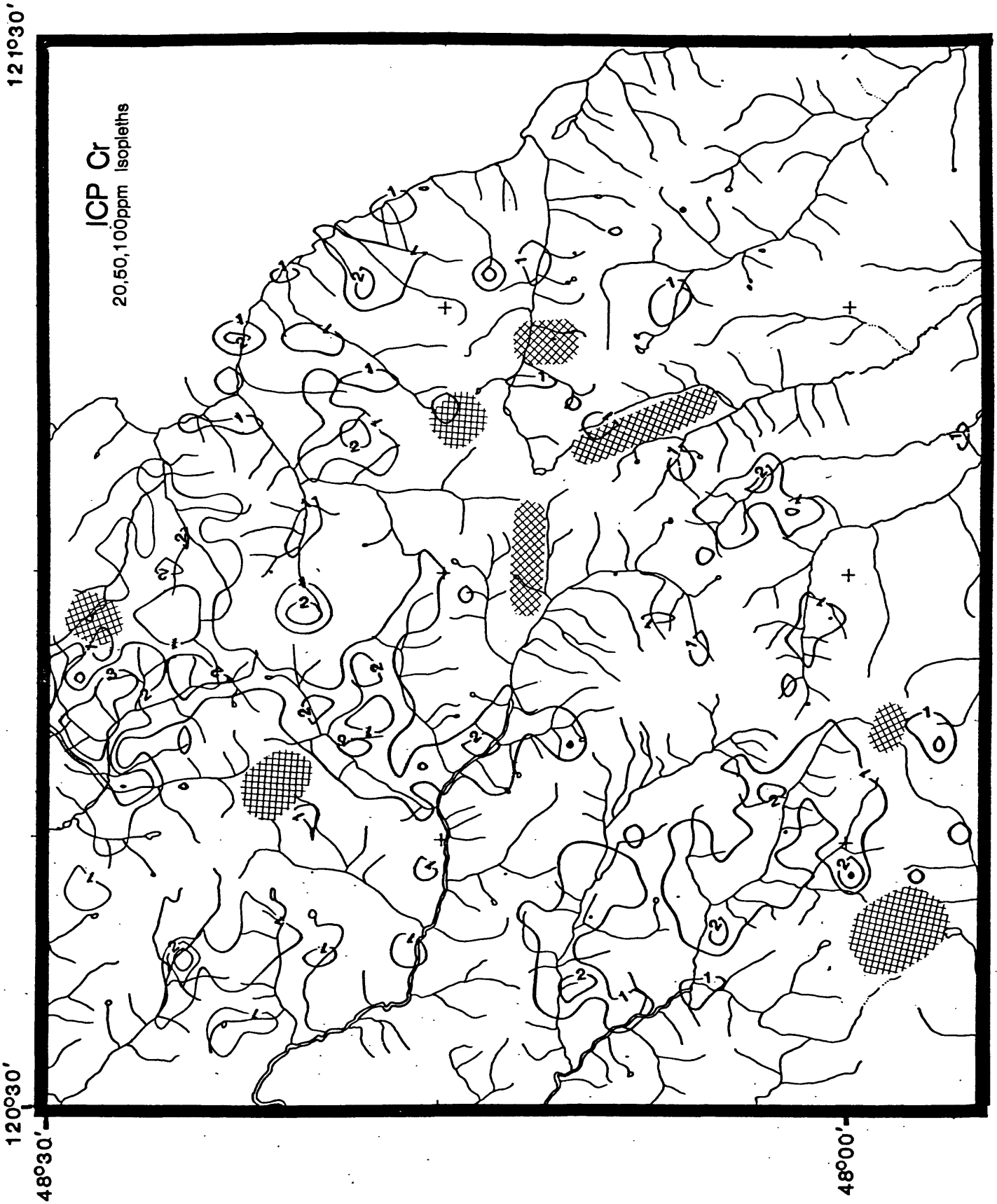


Figure 9. Plot of aqua-regia-soluble chromium (Cr) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 20 ppm), 90th (2 = 50 ppm), and 97th (3 = 100 ppm) percentiles (see data, table 6).

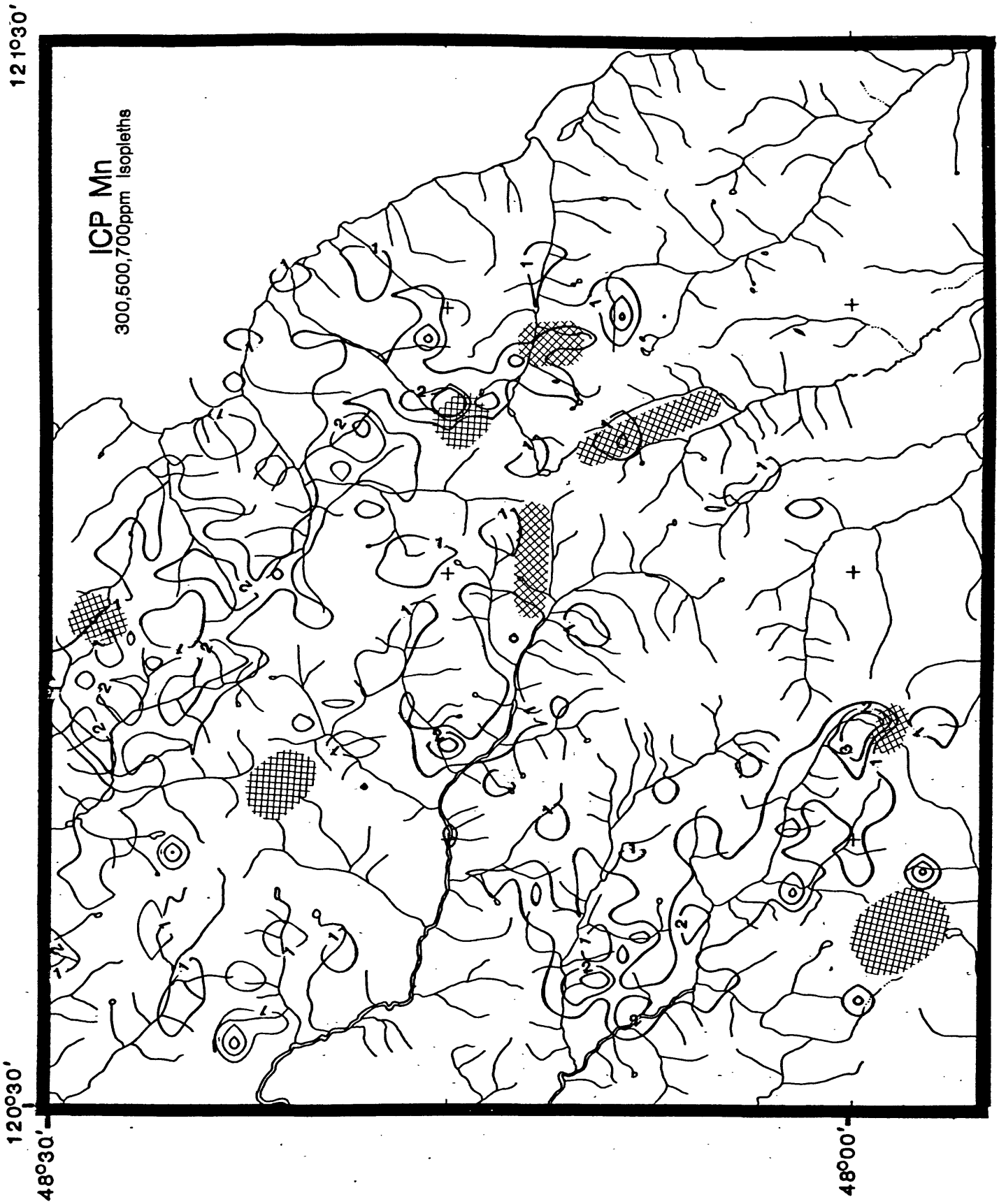


Figure 10. Plot of aqua-regia-soluble manganese (Mn) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 300 ppm), 90th (2 = 500 ppm), and 97th (3 = 700 ppm) percentiles (see data, table 6).

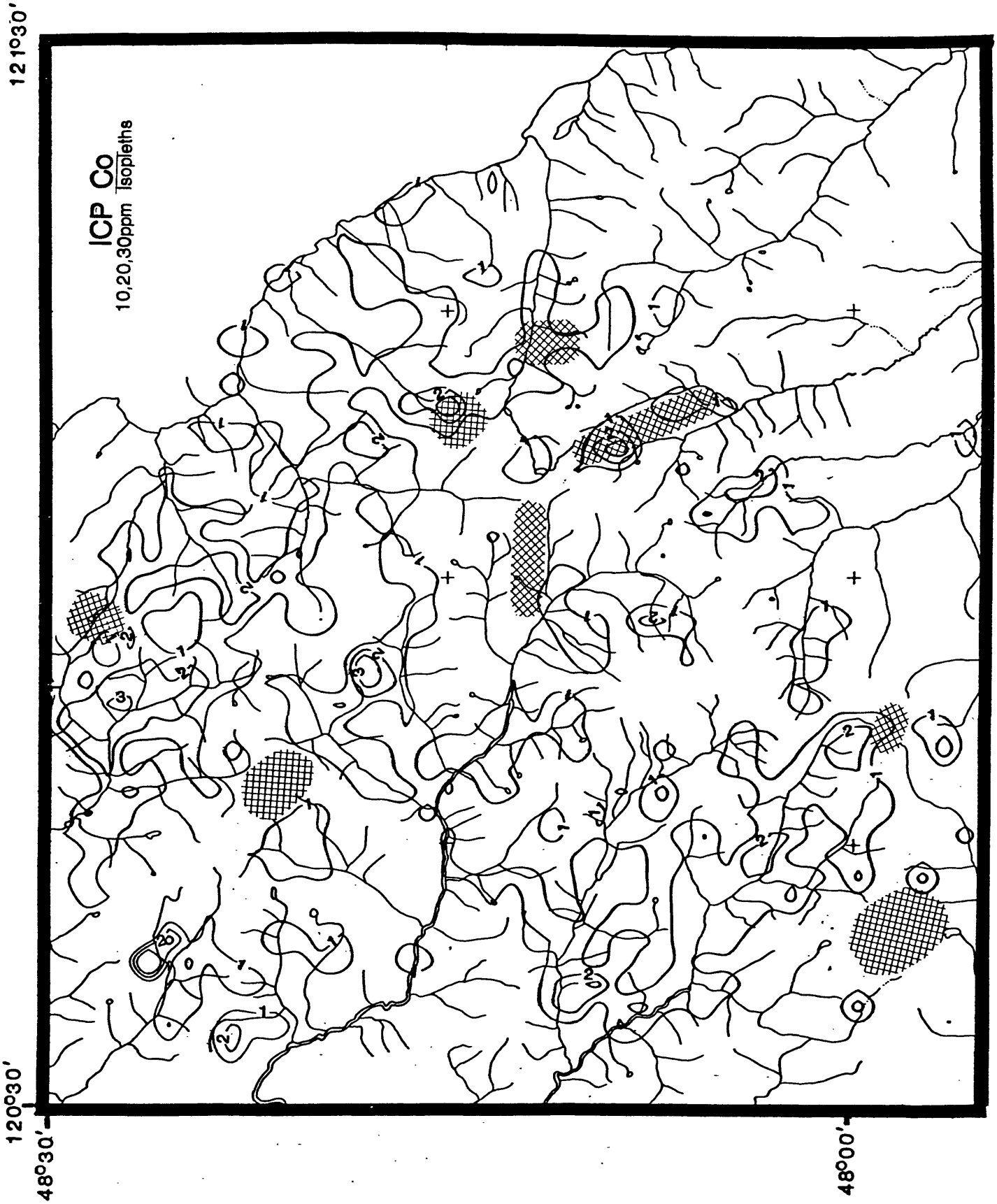


Figure 11. Plot of aqua-regia-soluble cobalt (Co) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 10 ppm), 90th (2 = 20 ppm), and 97th (3 = 30 ppm) percentiles (see data, table 6).

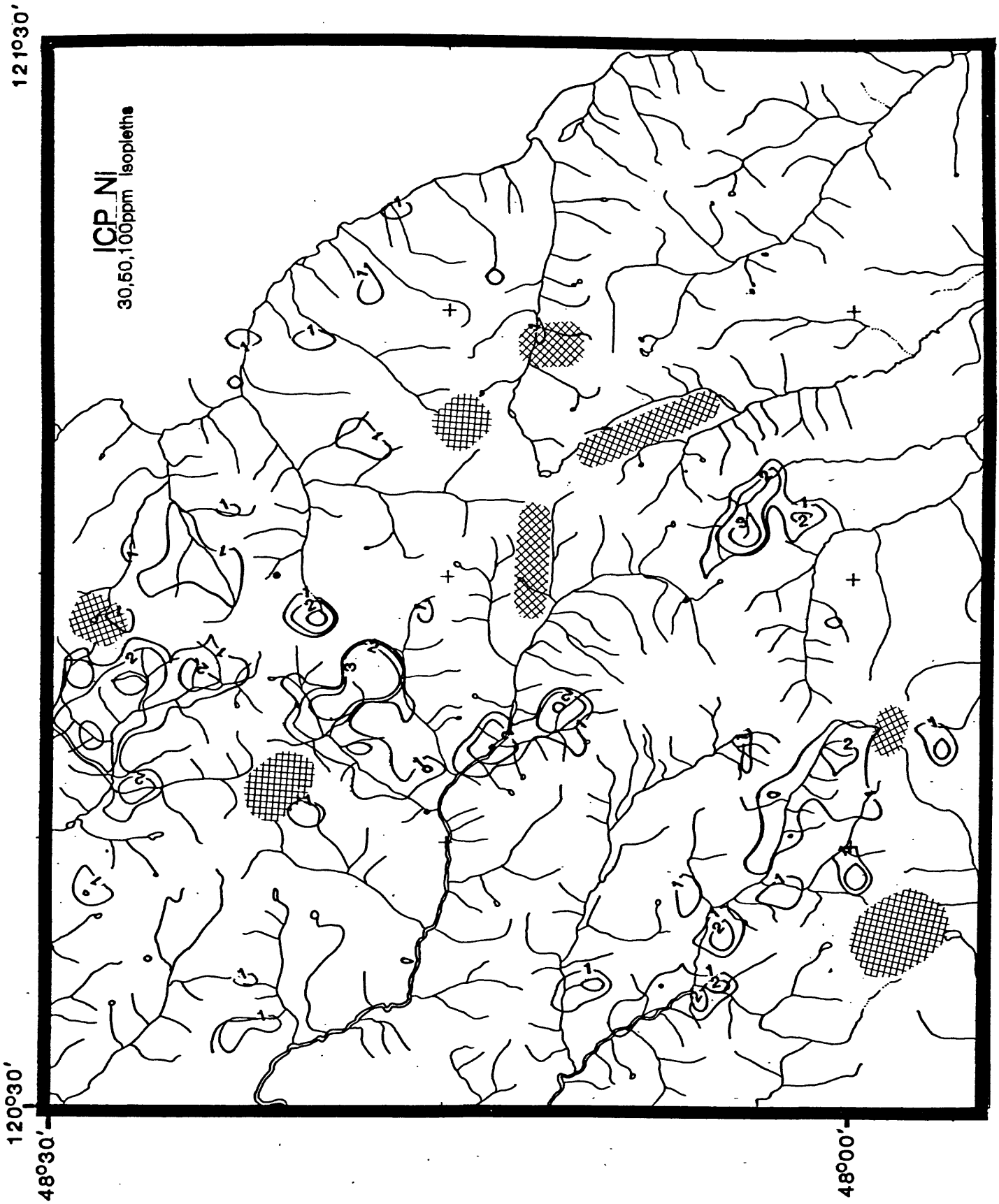


Figure 12. Plot of aqua-regia-soluble nickel (Ni) data from stream sediments. Isopleths were chosen to approximate the 75th (1 = 30 ppm), 90th (2 = 50 ppm), and 97th (3 = 100 ppm) percentiles (see data, table 6).

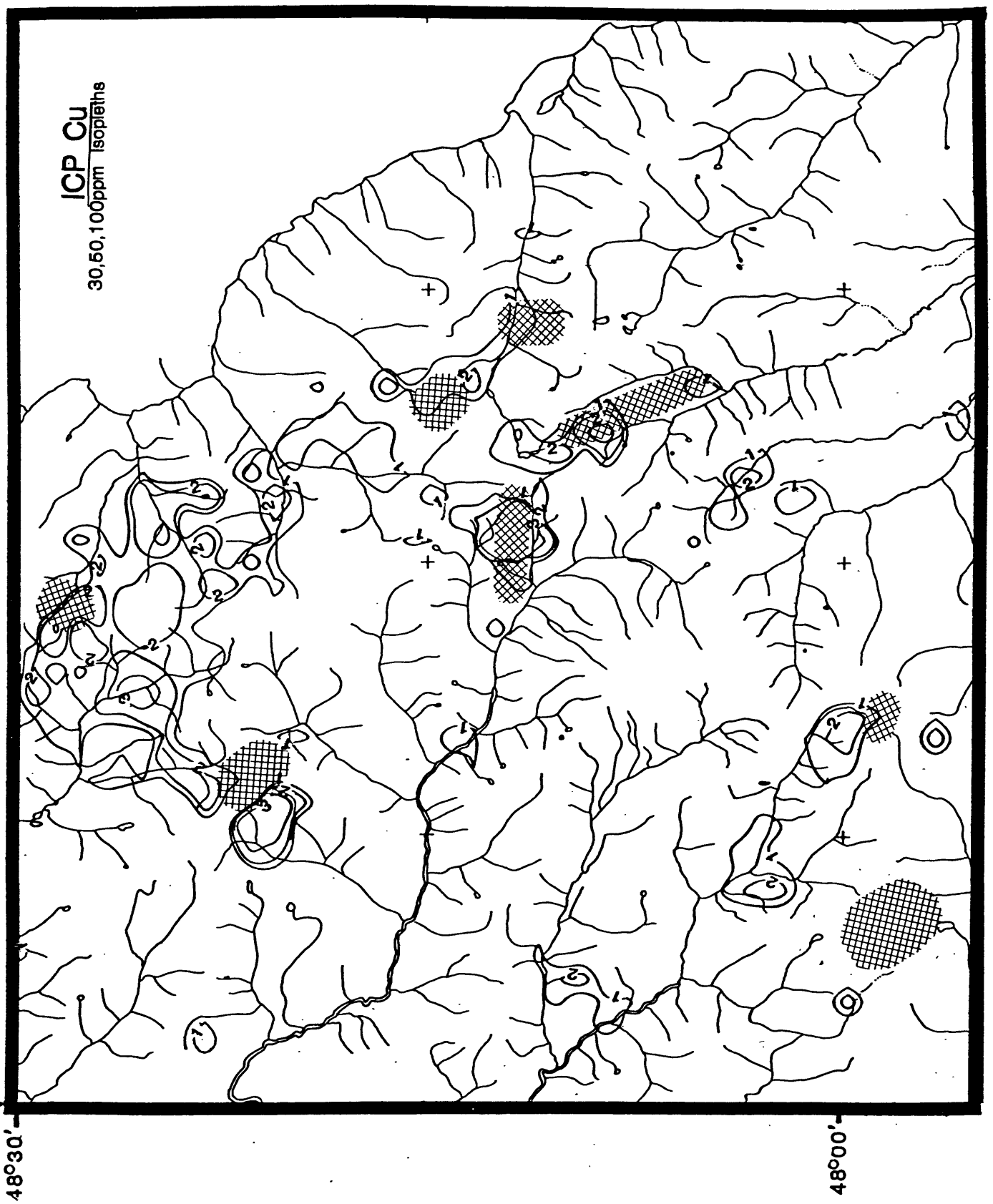


Figure 13. Plot of aqua-regia-soluble copper (Cu) data from stream sediments. Isopleths were chosen to approximate the 75th (1 = 30 ppm), 90th (2 = 50 1 ppm), and 97th (3 = 100 ppm) percentiles (see data, table 6).

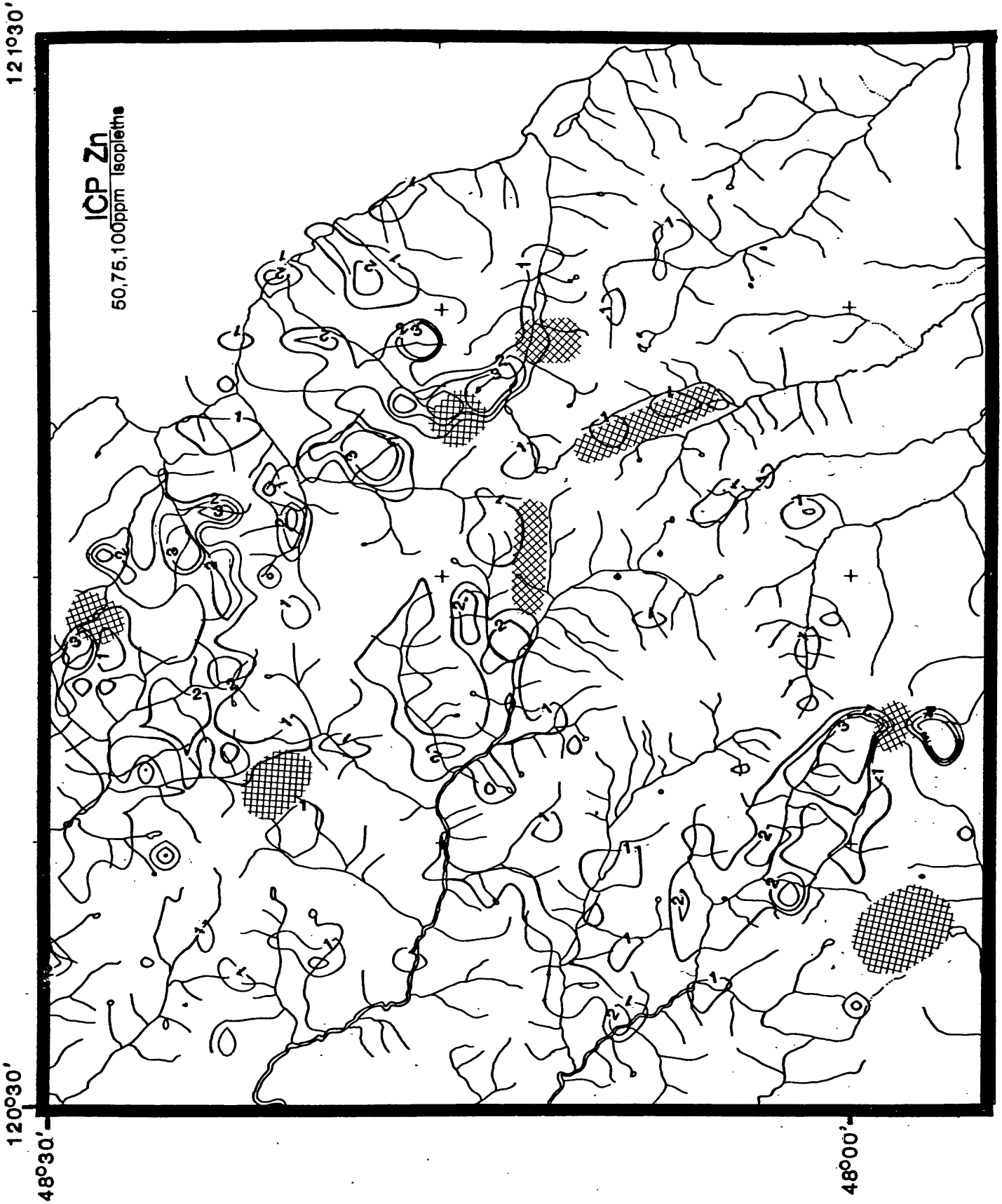


Figure 14. Plot of aqua-regia-soluble zinc (Zn) data from stream sediments. Isopleths were chosen to approximate the 50th (1 = 50 ppm), 85th (2 = 75 ppm), and 95th (3 = 100 ppm) percentiles (see data, table 6).

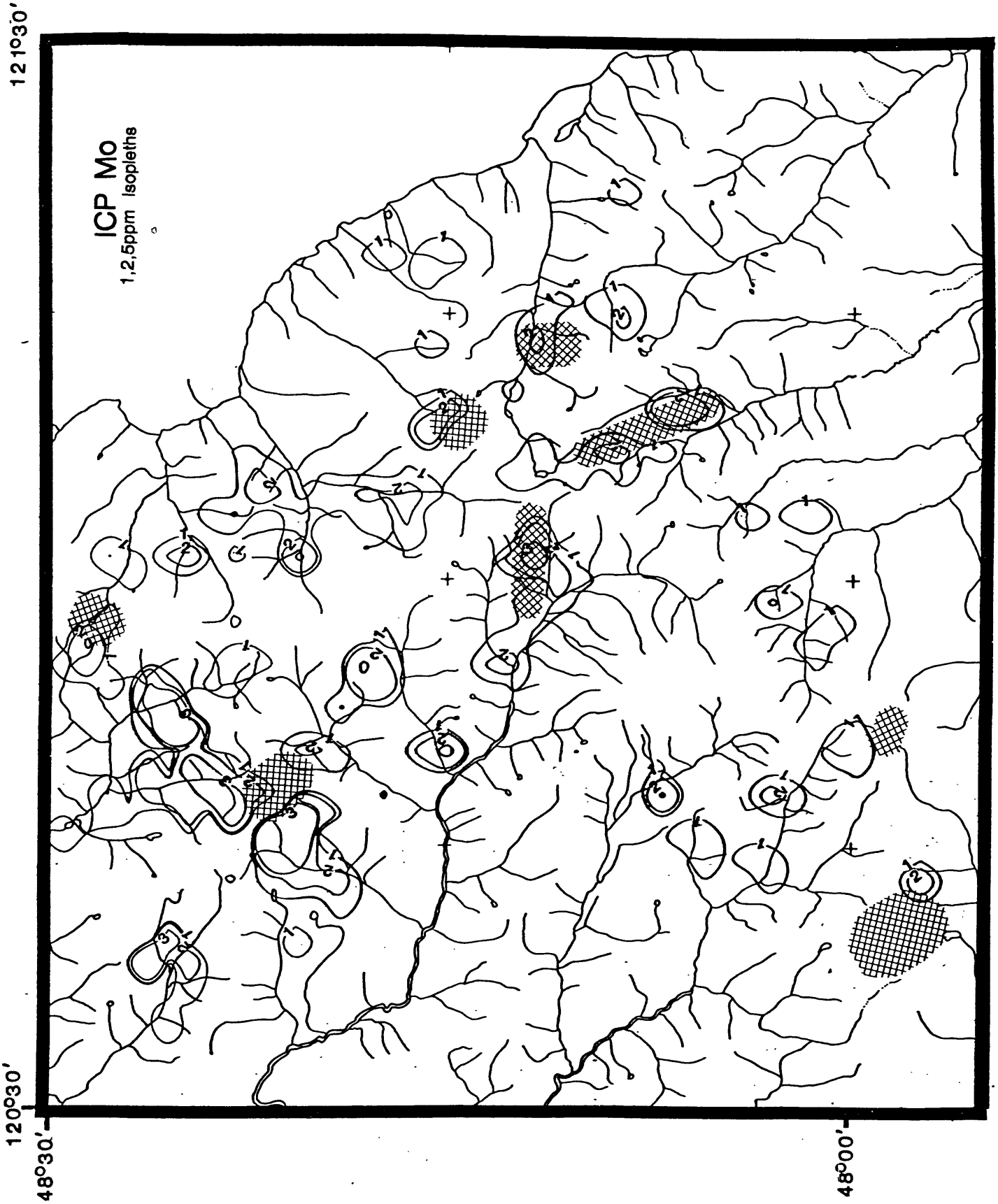


Figure 15. Plot of aqua-regia-soluble molybdenum (Mo) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 1 ppm, qualified data), 90th (2 = 2 ppm), and 97th (3 = 5 ppm) percentiles (see data, table 6).

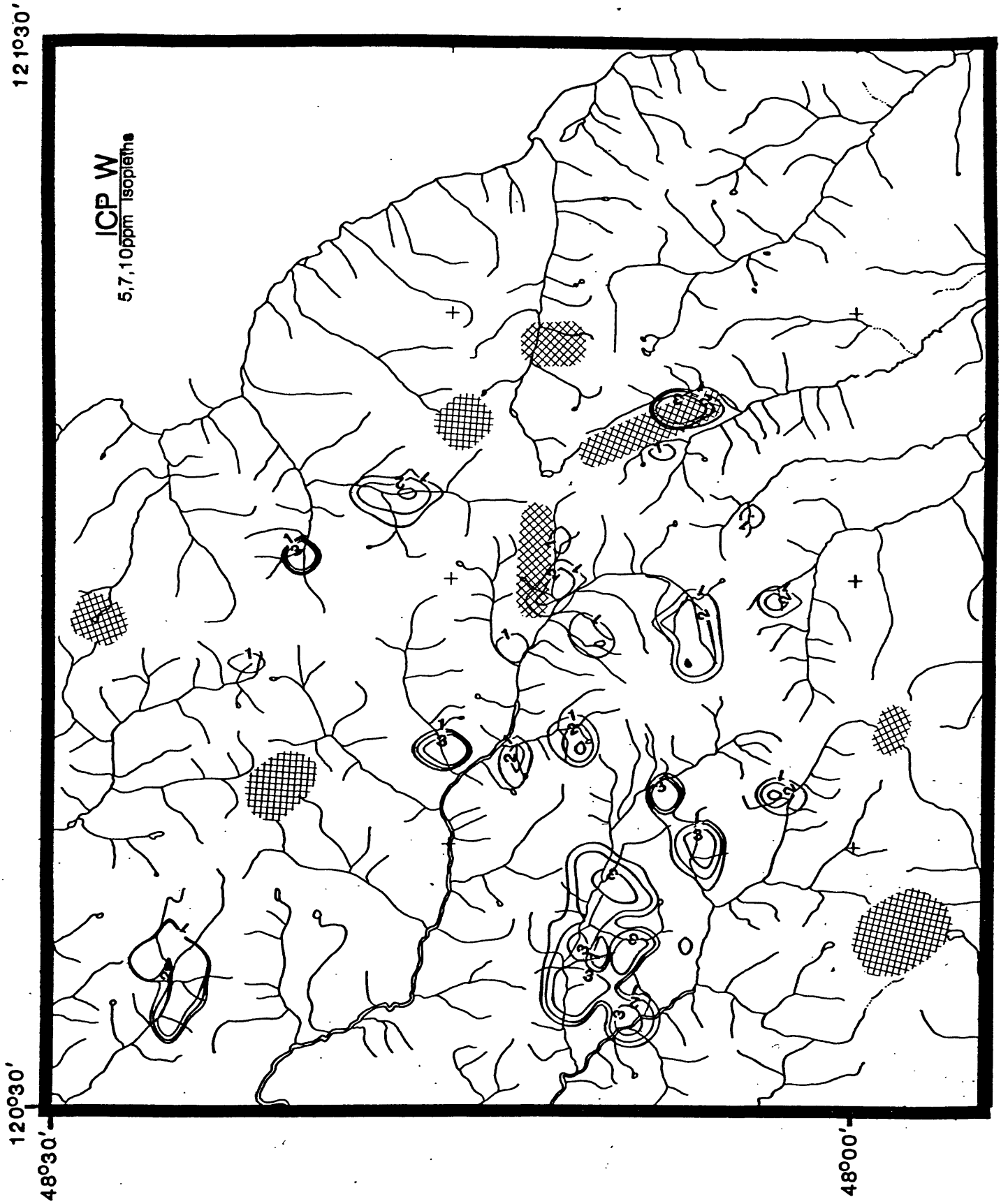


Figure 16. Plot of aqua-regia-soluble tungsten (W) data from stream sediments. Isopleths were chosen to approximate the 75th (1 = 5 ppm), 90th (2 = 7 ppm), and 97th (3 = 10 ppm) percentiles (see data, table 6).

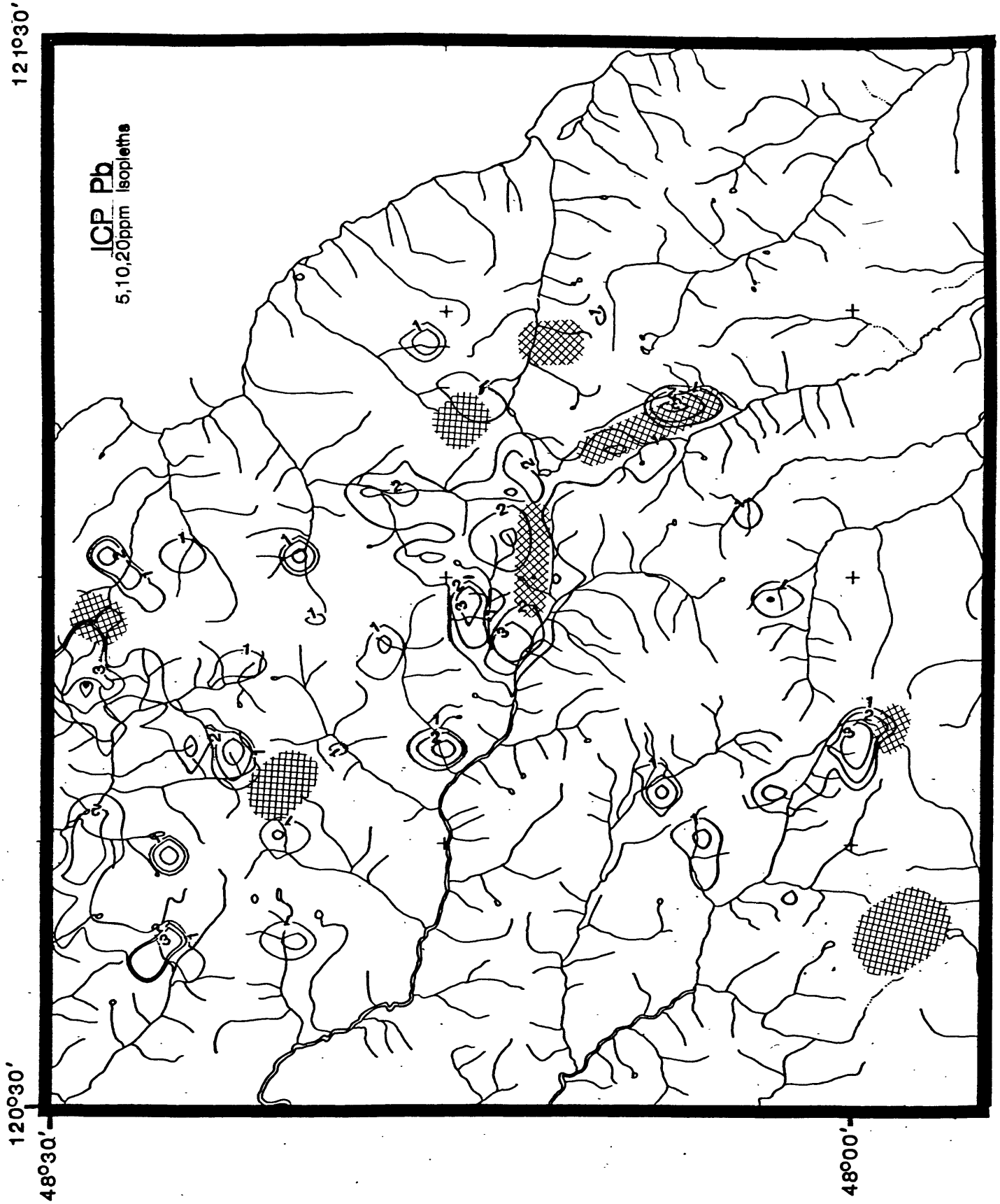


Figure 17. Plot of aqua-regia-soluble lead (Pb) data from stream sediments. Isopleths were chosen to approximate the 85th (1 = 5 ppm), 90th (2 = 10 ppm), and 97th (3 = 20 ppm) percentiles (see data, table 6).

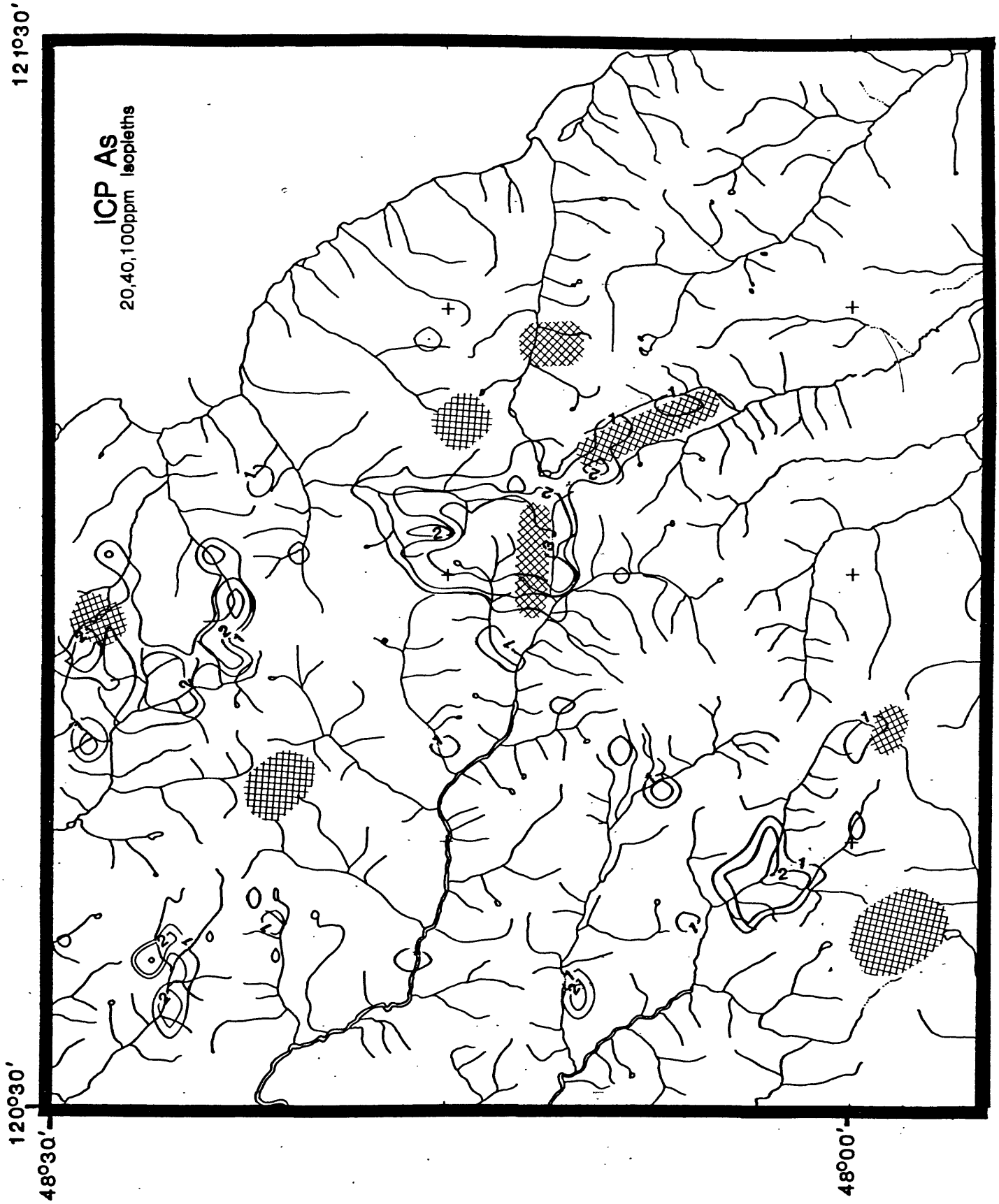


Figure 18. Plot of aqua-regia-soluble arsenic (As) data from stream sediments. Isopleths were chosen to approximate the 75th (1 = 20 ppm), 90th (2 = 40 ppm), and 97th (3 = 100 ppm) percentiles (see data, table 6).

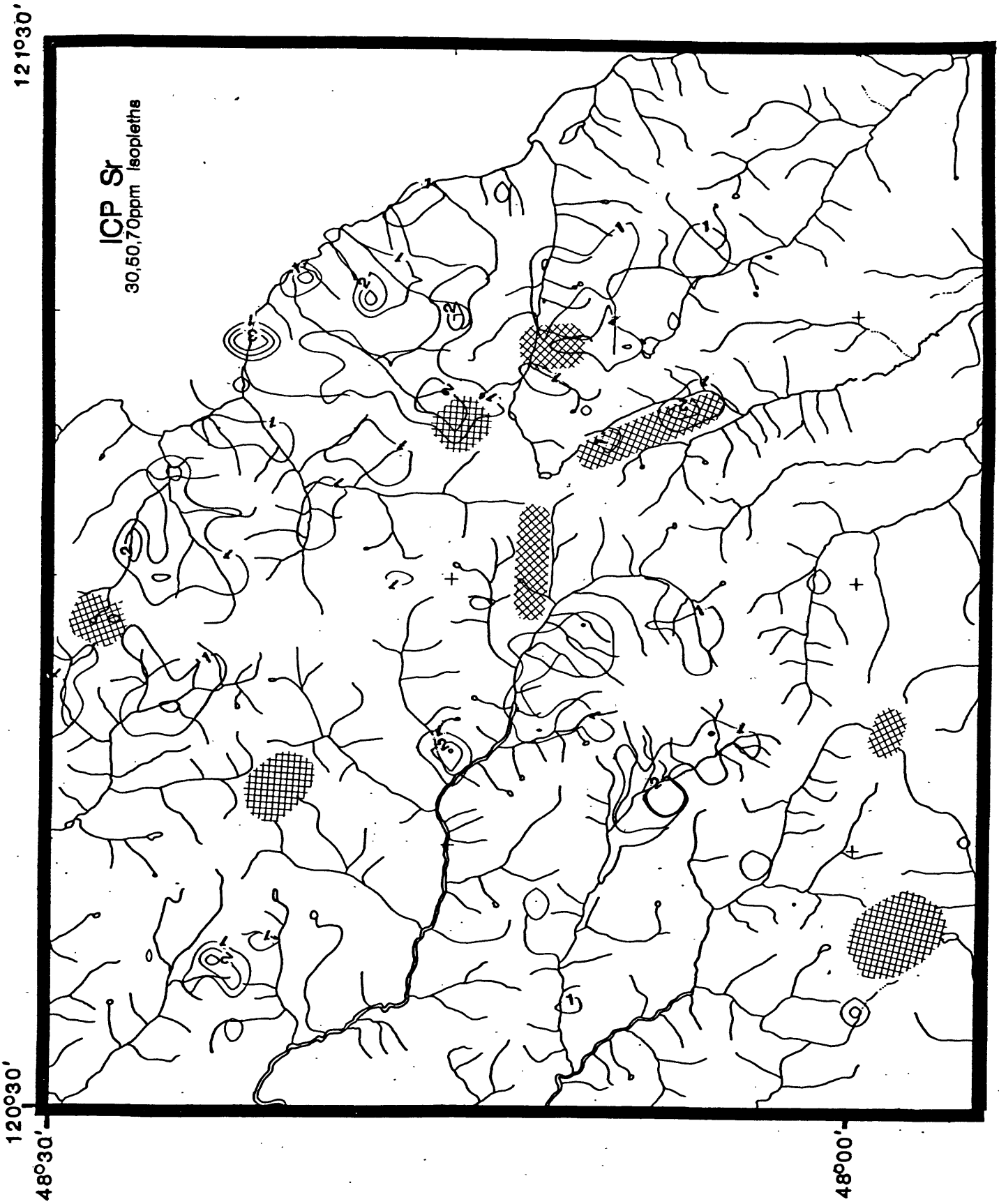


Figure 19. Plot of aqua-regia-soluble strontium (Sr) data from stream sediments. Isopleths were chosen to approximate the 75th (1 = 30 ppm), 90th (2 = 50 ppm), and 97th (3 = 70 ppm) percentiles (see data, table 6).

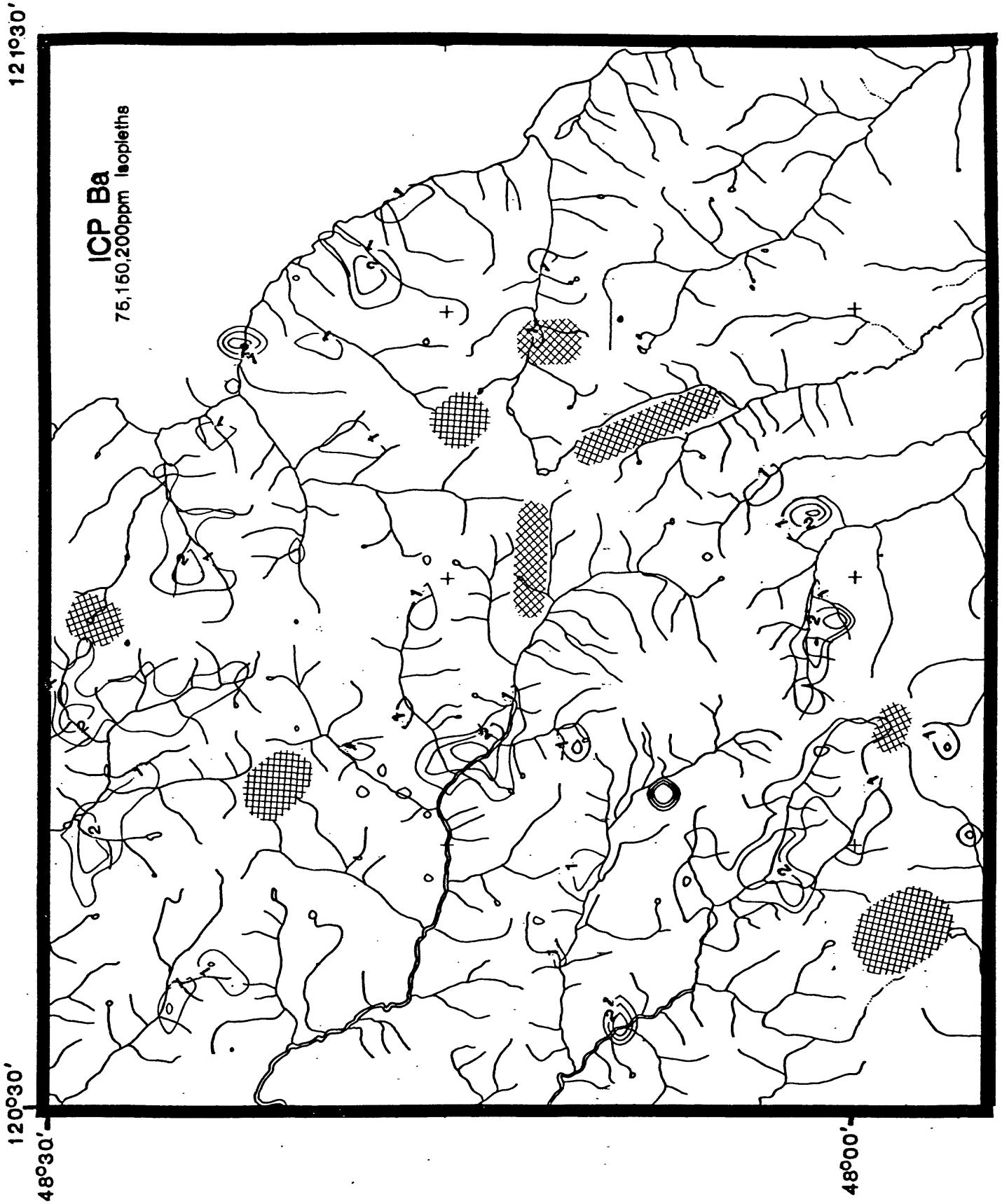


Figure 20. Plot of aqua-regia-soluble barium (Ba) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 75 ppm), 90th (2 = 150 ppm), and 97th (3 = 200 ppm) percentiles (see data, table 6).

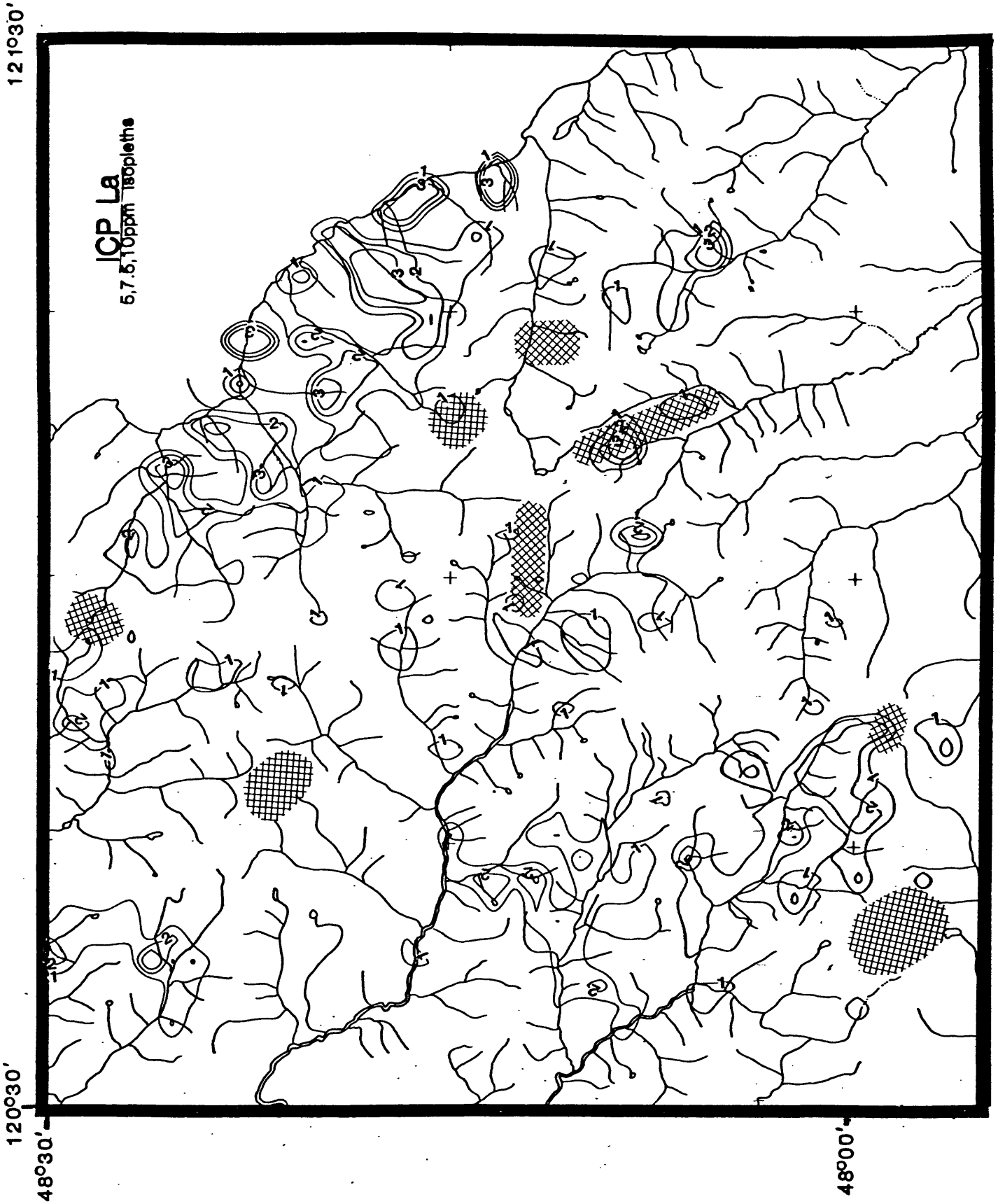


Figure 21. Plot of aqua-regia-soluble lanthanum (La) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 5 ppm), 90th (2 = 7.5 ppm), and 97th (3 = 10 ppm) percentiles (see data, table 6).

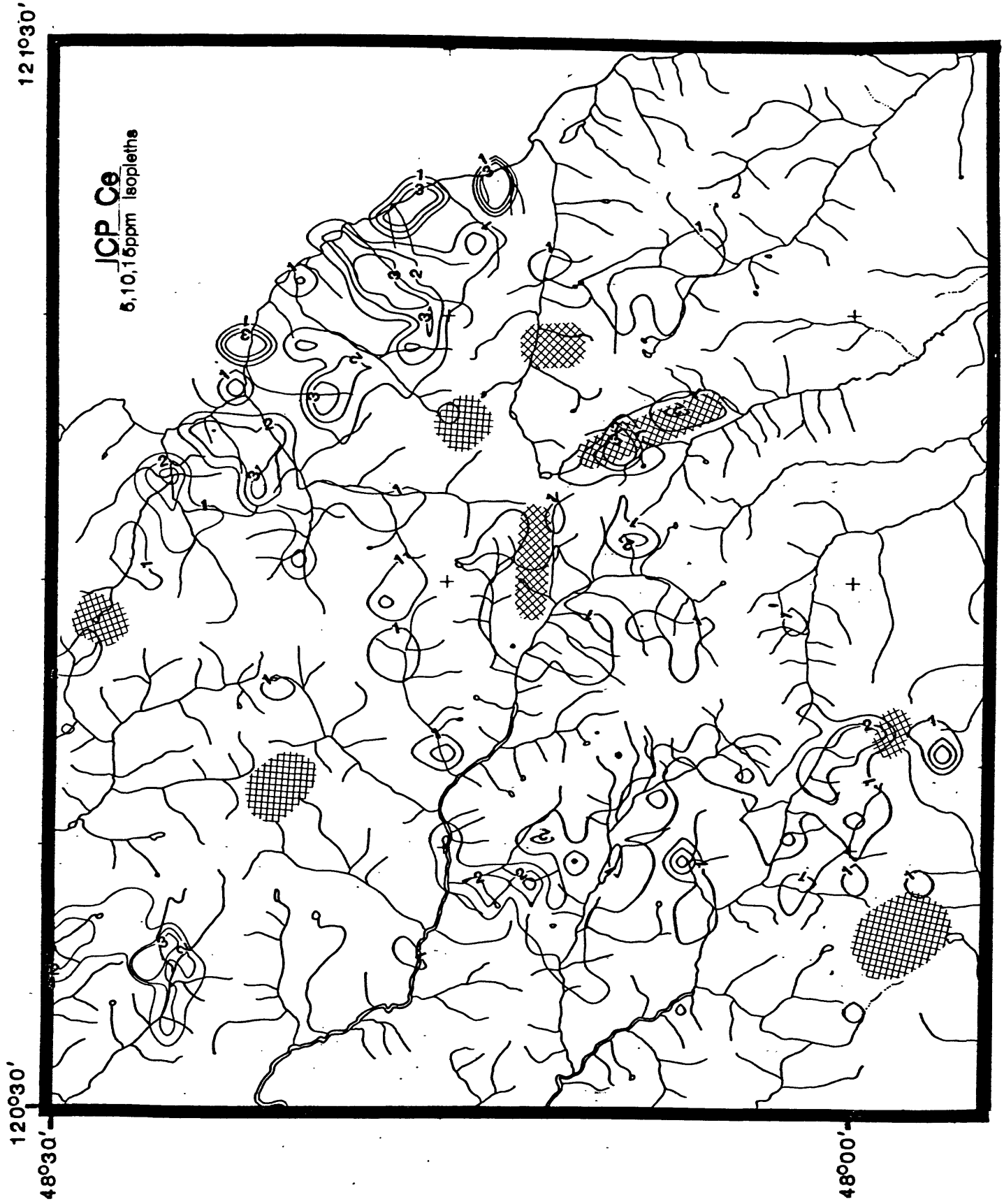


Figure 22. Plot of aqua-regia-soluble cerium (Ce) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 5 ppm), 90th (2 = 10 ppm), and 97th (3 = 15 ppm) percentiles (see data, table 6).

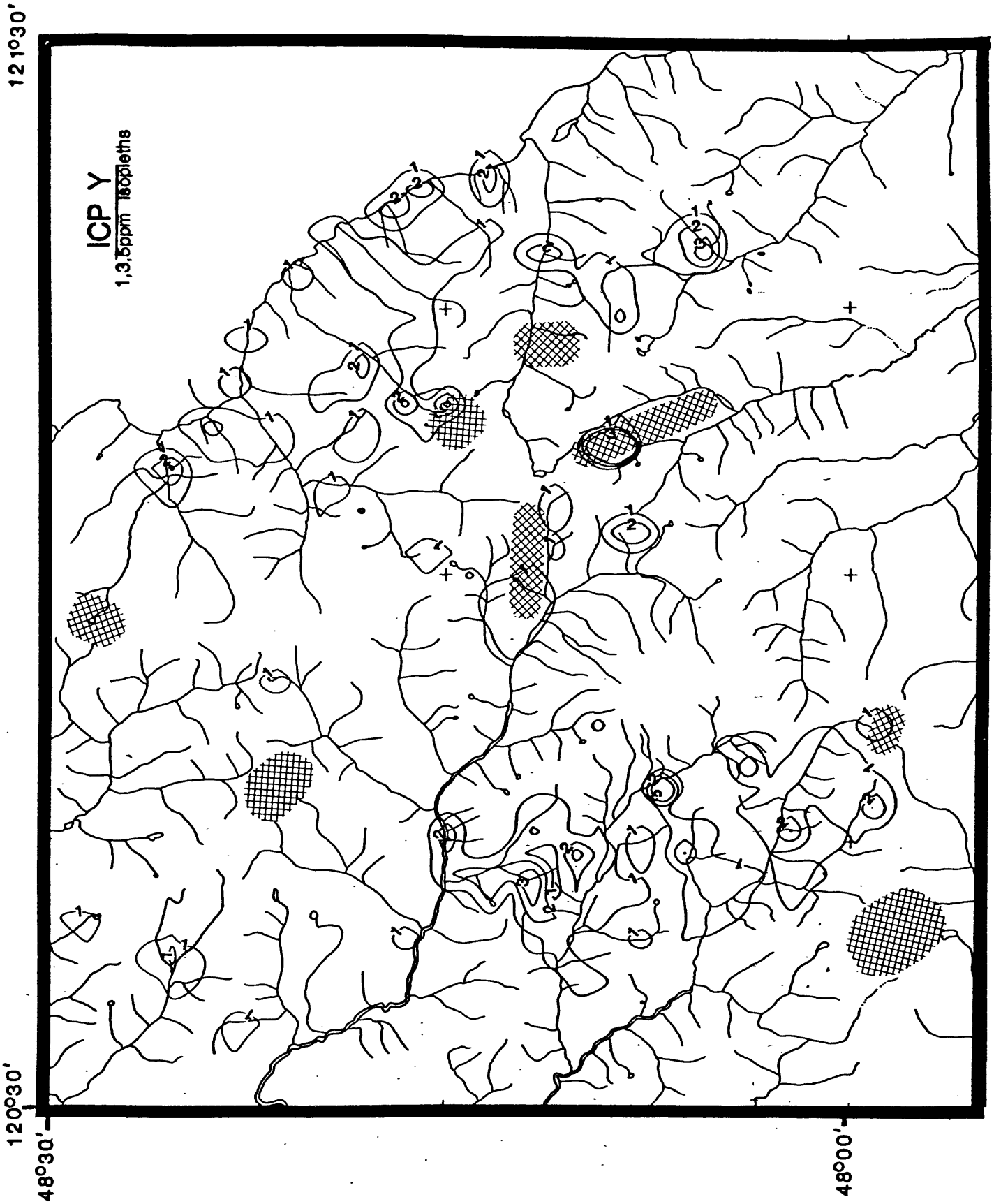


Figure 23. Plot of aqua-regia-soluble yttium (Y) data from stream sediments. Isopleths were chosen to approximate the 75th (1 = 1 ppm), 90th (2 = 3 ppm), and 98th (3 = 5 ppm) percentiles (see data, table 6).

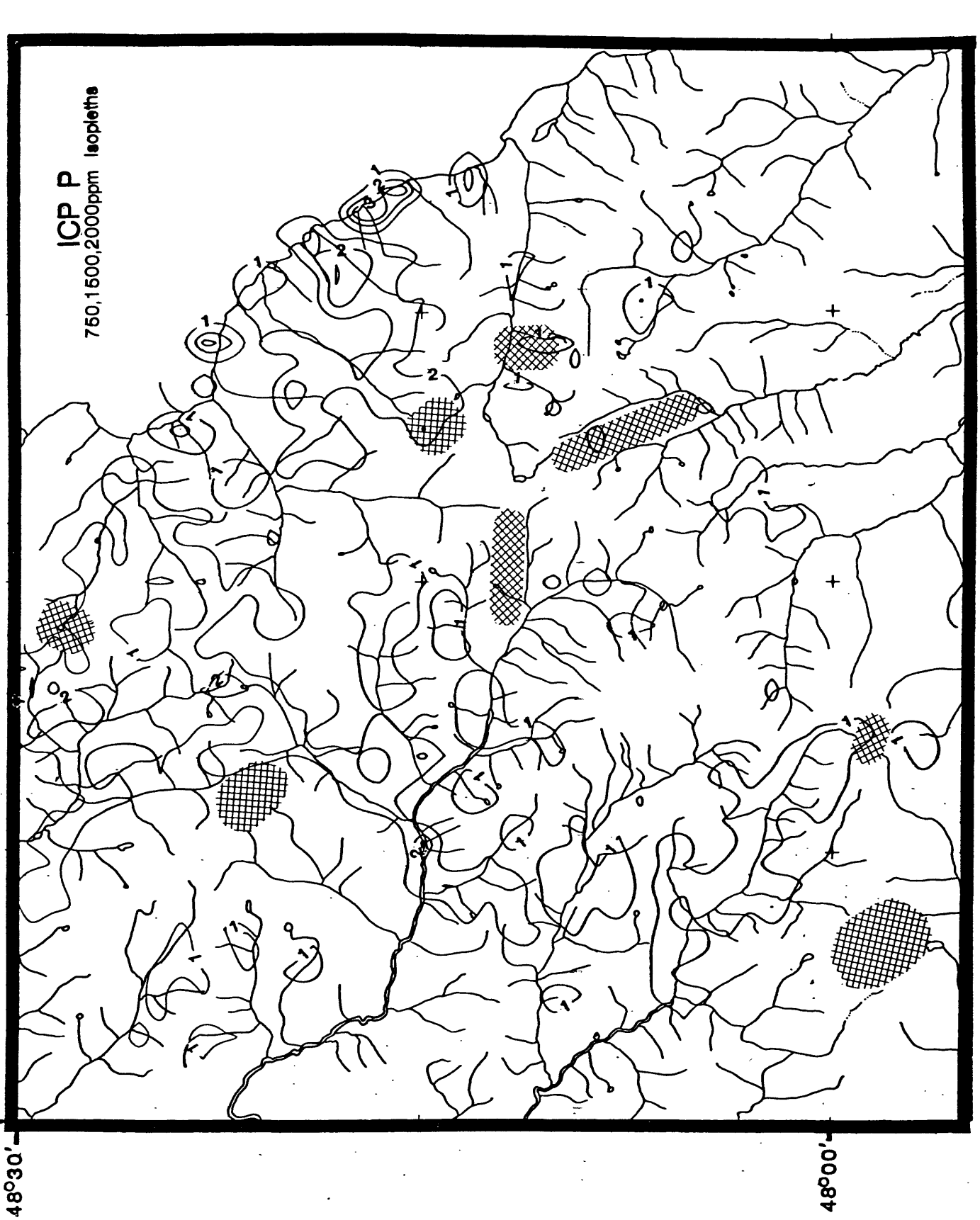


Figure 24. Plot of aqua-regia-soluble phosphorous (P) data from stream sediments. Isopleths were chosen to approximate the 60th (1 = 750 ppm), 90th (2 = 1500 ppm), and 98th (3 = 2000 ppm) percentiles (see data, table 6).

Table 1.—ICP-137100 instrumental array, sensitivities for elements, and limits of determination of elements reported in this study

Element	Wavelength (nm)	LQD[1] (μg/mL)	Lower limit of determination[2] (μg/g)
Mg	279.0	0.200	5.0
Ca	422.7	.030	0.75
Fe	259.9	.025	6.1
Ti	334.9	.001	1.6
Al	396.1	.052	1.5
V	311.0	.012	0.3
Cr	283.5	.010	3.6
Mn	257.9	.002	1.0
Co	345.3	.100	6.0
Ni	231.6	.050	3.0
Cu	324.7	.007	.4
Zn	202.5	.015	.4
Mo	287.1	.031	2.0
W	239.7	.130	8.5
Cd	226.5	.010	.75
Ag	328.0	.015	.60
Au	242.8	.050	3.0
Pb	220.3	.150	10.0
As	193.7	.175	20.0
Sb	217.5	.250	20.0
Bi	306.7	.400	30.0
Sn	189.9	.130	6.0
B	249.8	.007	1.3
Be	313.0	.001	0.05
Sr	407.7	.0003	0.01
Ba	455.4	.008	0.2
La	398.8	.018	1.0
Ce	418.6	.072	4.5
Y	371.0	.002	0.1
Nb	309.4	.013	0.8
P	213.6	.300	10.0

[1]Lowest quantitative determinable concentration is defined as that concentration of the element that will give a net signal equal to approximately 10 times the standard deviation of the background. The values given are those determined for the voltage biases and calibration used in this study.

[2]The lower limit of determination is the LQD times the dilution factor. For this study, one gram of sample was leached and the final solution diluted to 25 mL. Uncertainties due to interference corrections are also included for the level of uncertainty and concentrations found in an average sample. Empirical data have been used to evaluate the accuracy of the values given. Higher limits of determination are encountered when different dilution factors are used.

Table 2.—Geochemical signatures of several known deposits in the Glacier Peak study area

Location	Deposit Type	Known Geochemical Signature	Reference
Buckindy Area	porphyry molybdenum	Cu, Mo, Au, Ag, W	Grant, 1982
Epoch/Pioneer	galena veins	Pb, Ag, Zn	Grant, 1982
Glacier Peak Mines	porphyry copper	Cu, Mo, W, Pb, Zn, Ag, As, Au, Bi, K, Rb, Ti, In	Grant, 1982
Holden Lake/ Bonanza Area	quartz veins	Pb, Ag, Cu	Grant, 1982
Holden Mine Area	metamorphosed copper lode	Cu, Ag, Zn	Grant, 1982
Red Mountain Ridge/Trinity Mine	breccia pipes	Cu, As, Pb, Mo	Grant, 1982
Goff Prospect	altered zone	Cu, Au, Ag	Grant, 1982
Monte Cristo	epithermal vein system	Sb, As, Cu, Pb, Zn, Au, Ag	Church and others, 1982a

Table 3. ICP analytical data from aqua regia leaches of stream sediments from the Glacier Peak study area.

[The following qualifiers are used in reporting ICP analytical data: --, no determination made; <, concentration less than the given detection limit; L, detected, but data are qualitative only.]

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LFI556	48 6 20	120 50 3	5,800	7,300	33,000.0	12,000	2,600	730	300	85.0	L14.00
LFI557	48 6 20	120 50 3	6,200	8,100	19,000.0	17,000	1,500	550	260	36.0	14.00
LFI558	48 6 17	120 49 50	5,100	9,200	28,000.0	15,000	2,300	470	340	63.0	<.48
LFI560	48 5 52	120 49 43	5,100	5,700	24,000.0	9,100	2,000	840	270	57.0	L13.00
LFI562	48 5 48	120 49 35	2,300	3,800	12,000.0	9,700	780	280	120	31.0	<2.40
LFI564	48 5 12	120 49 58	4,100	5,000	20,000.0	11,000	1,400	540	210	47.0	L6.00
LFI566	48 4 30	120 50 48	4,900	4,400	39,000.0	10,000	1,700	970	280	110.0	<3.50
LFI568	48 6 33	120 53 4	1,300	2,300	10,000.0	11,000	1,100	320	110	26.0	<.25
LFI570	48 6 33	120 53 50	5,200	6,600	17,000.0	14,000	1,800	690	210	30.0	11.00
LFI571	48 6 29	120 53 50	9,300	7,500	20,000.0	16,000	1,300	610	250	38.0	63.00
LFI574	48 6 37	120 52 27	800	2,500	16,000.0	17,000	1,200	400	97	45.0	<.25
LFI575	48 7 2	120 52 30	950	3,700	13,000.0	13,000	940	630	210	37.0	<.25
LFI576	48 7 17	120 52 34	740	2,200	19,000.0	13,000	1,400	280	120	57.0	<.25
LFI577	48 7 39	120 52 41	1,500	3,700	13,000.0	16,000	790	730	170	34.0	<1.10
LFI578	48 7 49	120 52 52	2,900	4,200	18,000.0	14,000	1,000	500	160	42.0	<.25
LFI579	48 7 58	120 52 57	1,900	4,700	17,000.0	11,000	1,500	340	170	44.0	<.25
LFI580	48 8 10	120 53 5	2,100	3,100	15,000.0	15,000	1,100	420	170	36.0	<.25
LFI582	48 10 38	120 53 38	1,300	4,000	18,000.0	11,000	1,400	480	230	47.0	<.25
LFI583	48 11 30	120 54 44	410	2,700	8,800.0	13,000	900	250	46	27.0	<.25
LFI584	48 11 40	120 54 47	860	2,700	13,000.0	8,900	930	370	120	33.0	<.25
LFI586	48 12 19	120 53 16	1,500	3,300	16,000.0	9,700	1,100	300	140	40.0	<.25
LFI593	48 12 4	120 47 37	7,500	5,500	24,000.0	14,000	1,200	510	280	54.0	<.25
LFI594	48 9 3	120 46 55	8,800	7,800	20,000.0	14,000	1,000	770	230	42.0	L4.20
LFI595	48 9 5	120 46 59	9,300	7,700	22,000.0	17,000	1,100	800	260	44.0	<3.50
LFI597	48 9 14	120 44 30	5,000	6,200	23,000.0	13,000	1,700	430	260	58.0	L6.30
LFI599	48 9 16	120 43 18	4,000	6,700	20,000.0	18,000	1,100	770	360	34.0	<.25
LFI600	48 8 46	120 42 42	2,200	4,000	21,000.0	15,000	1,200	710	310	49.0	<.25
LFI601	48 6 0	120 43 14	7,100	6,400	19,000.0	15,000	1,100	510	240	38.0	<2.70
LFI603	48 7 23	120 42 46	4,100	4,500	23,000.0	13,000	980	470	330	45.0	<.25
LFI604	48 7 37	120 42 38	1,100	3,700	12,000.0	17,000	1,000	320	99	28.0	<.25
LFI605	48 11 19	120 58 16	2,900	3,500	13,000.0	8,300	660	580	160	28.0	<.25
LFI606	48 11 19	121 0 16	3,400	5,400	35,000.0	11,000	1,600	820	490	100.0	<.25
LFI607	48 11 18	120 59 47	1,500	3,900	50,000.0	8,100	520	550	280	45.0	<.25
LFI608	48 11 6	120 59 12	1,200	4,400	11,000.0	8,100	950	400	190	33.0	<1.70
LFI610	48 9 1	120 46 38	9,300	13,000	25,000.0	24,000	1,100	730	400	52.0	L5.40
LFI611	48 9 0	120 46 10	8,000	12,000	22,000.0	19,000	970	630	290	42.0	<3.70
LFI612	48 9 1	120 45 53	3,000	5,100	19,000.0	14,000	1,000	510	270	44.0	<.25
LFI613	48 8 55	120 45 17	6,900	5,000	42,000.0	15,000	450	530	750	64.0	<.25
LFI616	48 11 54	120 56 24	550	2,500	11,000.0	14,000	760	340	52	29.0	<.25
LFI617	48 11 48	120 56 54	830	3,100	14,000.0	15,000	870	430	210	32.0	<.26
LFI618	48 11 52	120 57 10	440	2,000	13,000.0	7,700	1,000	220	120	35.0	<.25
LFI619	48 11 50	120 57 20	1,300	3,300	15,000.0	10,000	360	420	170	36.0	<.25
LFI620	48 11 47	120 58 36	970	2,000	19,000.0	10,000	1,100	530	130	50.0	<.25
LFI622	48 11 54	120 59 28	1,500	3,200	15,000.0	14,000	350	360	160	33.0	<.48
LFI623	48 11 57	120 59 47	1,900	3,900	17,000.0	21,000	980	420	130	34.0	<.25

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LFI556	24.0	L17.0	12.00	71.0	<4.60	<20.0	<7.4	<2.20	<1.50	<22.0
LFI557	18.0	11.0	13.00	46.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI558	13.0	13.0	11.00	44.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI560	18.0	L13.0	73.00	67.0	<4.10	<18.0	<6.6	<2.00	<1.30	<20.0
LFI562	8.1	L5.5	6.70	19.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI564	14.0	9.1	27.00	39.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI566	23.0	16.0	36.00	65.0	<.77	<3.3	<1.3	<.38	<.40	<3.8
LFI568	6.3	L4.1	4.60	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI570	18.0	10.0	8.00	32.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI571	41.0	14.0	42.00	41.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI574	5.3	6.2	5.80	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI575	5.0	L5.2	6.20	30.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI576	5.5	6.9	3.60	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI577	<5.1	<10.0	13.00	20.0	<3.40	<14.0	<5.4	<1.60	<1.10	<16.0
LFI578	11.0	8.8	23.00	31.0	L.84	<3.3	<1.3	<.38	L.28	<3.8
LFI579	6.4	6.9	9.00	28.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI580	9.4	6.5	17.00	34.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI582	4.6	8.2	86.00	35.0	L1.50	<3.3	<1.3	<.38	<.25	10.0
LFI583	L2.0	<2.4	3.90	13.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI584	L2.9	L3.6	14.00	34.0	<.77	<3.3	<1.3	<.38	L.30	19.0
LFI586	4.0	L5.5	13.00	45.0	L.79	<3.3	<1.3	<.38	L.31	16.0
LFI593	12.0	12.0	29.00	67.0	L.88	<3.3	<1.3	<.38	L.38	L3.9
LFI594	11.0	11.0	19.00	35.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI595	11.0	12.0	24.00	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI597	12.0	L10.0	30.00	50.0	<1.60	<6.9	<2.6	<.78	<.52	<7.8
LFI599	5.4	7.4	9.60	46.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI600	5.4	7.1	6.60	42.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI601	16.0	10.0	17.00	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI603	12.0	9.8	19.00	72.0	L1.40	<3.3	<1.3	<.38	L.58	<3.8
LFI604	4.1	L5.4	5.50	18.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI605	7.0	L5.5	25.00	26.0	L1.00	<3.3	<1.3	<.38	<.25	<3.8
LFI606	9.4	11.0	32.00	37.0	L.90	<3.3	<1.3	<.38	<.25	<3.8
LFI607	3.3	7.5	28.00	22.0	3.60	<3.3	<1.3	<.38	L.79	<3.8
LFI608	<7.8	<16.0	9.70	24.0	<5.20	<22.0	<8.4	<2.50	<1.70	<25.0
LFI610	15.0	15.0	43.00	34.0	<.77	<3.3	<1.3	<.38	L.41	<3.8
LFI611	12.0	12.0	39.00	28.0	<.77	<3.3	<1.3	<.38	<.30	<3.8
LFI612	7.3	6.9	12.00	33.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI613	9.6	18.0	27.00	57.0	2.40	<3.3	<1.3	<.38	L.99	<3.8
LFI616	L2.0	<2.4	6.70	23.0	L1.40	<3.3	<1.3	<.38	<.25	<3.8
LFI617	3.9	L2.5	28.00	44.0	<.81	<3.5	<1.3	<.39	.75	<3.9
LFI618	L2.9	<2.4	18.00	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI619	4.7	L4.4	97.00	45.0	<.77	<3.3	<1.3	<.38	L.33	17.0
LFI620	4.5	<2.4	1,700.00	33.0	13.00	<3.3	<1.3	<.38	<.25	L7.3
LFI622	L4.0	<4.6	80.00	28.0	<1.50	<6.4	<2.4	<.72	<.48	<7.2
LFI623	6.0	L4.4	44.00	24.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LFI556	L32.0	<1.00	<.190	44.0	46.0	L6.60	<11.0	<.340	L3.70
LFI557	<8.0	<.18	.180	57.0	51.0	5.20	6.5	.960	2.30
LFI558	<6.1	<.18	.120	55.0	56.0	4.80	5.7	<.058	3.20
LFI560	L31.0	<.92	<.170	29.0	30.0	L5.40	<9.5	1.100	L3.30
LFI562	<5.6	<.18	.094	35.0	29.0	3.00	L4.0	<.058	1.20
LFI564	<11.0	<.18	.110	35.0	33.0	4.10	5.1	<.058	2.10
LFI566	L15.0	<.18	.120	17.0	34.0	4.30	4.5	<.058	L2.50
LFI568	<4.3	<.18	.120	24.0	33.0	2.40	L3.1	<.058	1.40
LFI570	<7.2	<.18	.150	34.0	54.0	3.40	L2.6	L.120	3.30
LFI571	<4.3	<.18	.160	23.0	54.0	2.40	<1.8	<.058	2.20
LFI574	<4.3	<.18	.190	22.0	18.0	4.20	8.0	L.100	1.90
LFI575	<4.3	<.18	.150	27.0	24.0	3.10	L4.1	<.058	1.30
LFI576	<4.3	<.18	.110	22.0	13.0	2.90	L4.0	<.058	2.10
LFI577	<19.0	64.00	L.160	27.0	22.0	L3.20	<7.8	L.550	<1.40
LFI578	<4.3	<.18	.250	27.0	37.0	3.30	L2.2	.820	1.50
LFI579	<4.3	<.18	.110	32.0	21.0	2.50	L2.5	<.058	2.10
LFI580	<4.3	<.18	.160	24.0	38.0	3.30	4.8	<.058	1.60
LFI582	<9.0	<.18	.180	31.0	20.0	4.20	5.8	<.058	2.00
LFI583	<4.3	<.18	.086	27.0	10.0	2.10	L3.3	<.058	1.10
LFI584	L29.0	<.18	.110	20.0	17.0	2.20	L2.5	<.058	1.10
LFI586	L22.0	<.18	.092	22.0	26.0	2.40	L2.9	<.058	1.70
LFI593	L19.0	<.18	.110	28.0	48.0	3.00	<1.8	<.058	1.90
LFI594	<8.6	<.18	.096	37.0	59.0	3.30	<1.8	<.058	1.50
LFI595	<6.1	<.18	.120	33.0	70.0	3.30	<1.8	<.058	1.60
LFI597	<11.0	1.30	.250	32.0	57.0	5.50	<3.7	1.500	2.40
LFI599	<4.3	<.18	.240	37.0	76.0	6.80	8.2	2.800	1.60
LFI600	<4.3	<.18	.180	25.0	41.0	4.30	5.6	<.058	1.90
LFI601	<5.5	<.18	.170	36.0	52.0	3.50	L2.0	<.058	1.70
LFI603	<6.3	<.18	.210	28.0	57.0	4.90	6.5	.650	1.50
LFI604	<4.3	<.18	.230	24.0	21.0	3.70	8.2	.980	1.70
LFI605	63.0	<.18	.098	21.0	48.0	3.80	5.5	2.000	1.30
LFI606	63.0	<.18	.110	24.0	61.0	7.30	11.0	2.400	3.20
LFI607	1,100.0	<.18	.100	24.0	53.0	3.80	L3.4	<.058	L1.00
LFI608	L31.0	41.00	<.220	34.0	40.0	L3.70	<12.0	L.660	<2.20
LFI610	<4.3	<.18	.190	69.0	32.0	3.50	<1.8	<.058	1.50
LFI611	<4.3	<.18	.140	59.0	27.0	2.60	<1.8	<.058	1.30
LFI612	<4.3	<.18	.180	27.0	47.0	3.20	L3.3	<.058	1.50
LFI613	<4.3	<.18	.310	18.0	110.0	5.20	7.2	3.600	L.97
LFI616	L23.0	<.18	.099	17.0	9.8	2.70	L3.6	L.066	L.56
LFI617	82.0	9.50	.180	19.0	36.0	3.10	L4.5	.460	L.82
LFI618	L11.0	<.18	L.077	14.0	14.0	1.50	<1.8	<.058	L.99
LFI619	260.0	<.18	.130	24.0	25.0	3.40	L4.0	<.058	L.86
LFI620	130.0	<.18	.120	15.0	16.0	2.50	L2.1	<.058	L1.30
LFI622	120.0	32.00	.170	21.0	34.0	2.80	<3.5	<.110	L.78
LFI623	180.0	<.18	.330	22.0	34.0	6.30	11.0	2.800	1.40

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LFI624	48 12 3	121 0 56	2,700	3,300	17,000.0	18,000	1,000	390	220	40.0	<.25
LFI626	48 11 59	121 1 41	2,800	4,200	15,000.0	16,000	750	470	170	36.0	<1.30
LFI627	48 6 17	120 49 50	4,100	4,500	27,000.0	9,400	1,700	360	230	67.0	<.32
LFP151	47 55 52	120 52 18	8,700	7,000	20,000.0	11,000	1,200	680	230	42.0	23.00
LFP152	47 55 59	120 52 17	4,700	3,800	11,000.0	6,400	850	760	130	15.0	17.00
LFP153	48 5 4	120 59 4	3,600	2,700	16,000.0	10,000	1,100	350	140	41.0	17.00
LFP154	48 5 8	120 58 59	6,600	3,900	14,000.0	7,700	870	610	170	17.0	26.00
LFP155	48 5 4	120 57 29	2,000	3,500	14,000.0	9,200	990	420	120	36.0	<.54
LFP156	48 5 3	120 57 46	4,500	3,000	9,500.0	5,500	570	440	120	13.0	18.00
LFP157	48 4 43	120 56 52	13,000	5,000	31,000.0	19,000	2,100	810	530	41.0	43.00
LFP158	48 4 23	120 56 17	4,500	3,800	21,000.0	9,700	1,400	530	180	54.0	L12.00
LFP159	48 3 51	120 55 50	12,000	5,700	24,000.0	15,000	1,500	1,100	290	37.0	47.00
LFP160	48 3 30	120 55 17	13,000	8,200	27,000.0	19,000	1,500	860	360	46.0	52.00
LFP161	48 3 10	120 54 43	15,000	9,100	26,000.0	15,000	1,600	1,500	280	34.0	43.00
LFP162	48 2 44	120 53 59	14,000	7,800	31,000.0	20,000	2,000	1,400	430	47.0	65.00
LFP163	48 8 48	120 52 32	1,100	3,200	18,000.0	20,000	1,200	840	700	48.0	<.25
LFP164	48 14 50	120 59 28	3,800	2,100	17,000.0	13,000	1,300	510	270	32.0	L6.90
LFP165	48 14 13	120 59 2	2,000	1,800	16,000.0	8,900	1,100	410	150	41.0	L5.60
LFP166	48 13 24	120 58 58	3,000	3,600	20,000.0	14,000	1,500	420	250	46.0	<.25
LFP167	48 13 17	120 58 47	4,000	3,000	17,000.0	12,000	1,100	530	270	37.0	<1.70
LFP168	48 12 41	120 58 50	3,000	2,500	16,000.0	9,700	870	440	360	29.0	<.25
LFP169	48 11 50	121 2 32	4,100	4,000	20,000.0	8,900	830	460	370	28.0	<.26
LFP170	48 11 58	121 2 51	2,800	2,700	14,000.0	6,400	450	260	250	14.0	<.25
LFP171	48 12 4	121 3 21	2,200	6,000	12,000.0	12,000	410	460	410	19.0	<.25
LFP172	48 12 17	121 3 55	2,200	8,200	13,000.0	13,000	390	430	630	22.0	<.25
LFP173	48 12 48	121 5 11	3,600	3,700	30,000.0	8,200	1,500	740	320	64.0	<.25
LFP174	48 12 45	121 6 1	6,100	5,100	15,000.0	9,500	950	1,000	250	16.0	13.00
LFP175	48 12 43	121 6 29	13,000	10,000	30,000.0	22,000	1,800	1,600	450	29.0	29.00
LFP176	48 12 46	121 7 11	11,000	12,000	26,000.0	17,000	1,500	1,500	410	28.0	46.00
LFP177	48 12 48	121 7 30	5,700	4,500	18,000.0	10,000	1,100	1,000	210	25.0	L11.00
LFP178	48 12 52	121 8 29	12,000	8,300	33,000.0	17,000	2,300	1,200	340	37.0	20.00
LFP179	48 13 18	121 9 31	11,000	5,700	20,000.0	13,000	1,100	490	340	30.0	69.00
LFP180	48 14 20	121 10 42	10,000	7,000	25,000.0	18,000	1,900	430	450	44.0	42.00
LFP181	48 8 10	120 56 58	760	2,300	11,000.0	14,000	610	540	390	28.0	<.25
LFP182	48 8 9	120 56 50	970	1,300	8,600.0	15,000	670	470	47	27.0	<1.00
LFP183	48 8 12	120 56 51	1,000	3,200	8,600.0	9,800	920	310	100	23.0	<.25
LFP184	48 7 57	120 56 38	490	1,900	7,300.0	8,900	580	410	170	22.0	<.25
LFP185	48 7 23	120 55 49	1,300	2,400	9,400.0	8,500	810	360	96	25.0	<.57
LFP186	48 7 10	120 55 12	3,100	4,500	14,000.0	12,000	1,100	440	190	33.0	<2.10
LFP187	48 7 4	120 54 58	790	1,800	11,000.0	9,500	880	350	81	33.0	<.25
LFP188	48 6 58	120 54 26	3,300	4,500	15,000.0	13,000	1,100	450	190	39.0	<2.60
LFP189	48 16 27	121 2 8	6,100	8,400	19,000.0	9,900	1,700	1,600	240	38.0	14.00
LFP190	48 16 28	121 2 21	10,000	5,700	25,000.0	15,000	1,000	1,200	470	36.0	47.00
LFP191	48 16 33	121 7 46	10,000	6,900	21,000.0	15,000	1,400	700	340	35.0	40.00
LFP192	48 7 55	120 52 55	2,000	2,500	15,000.0	13,000	840	440	120	36.0	<.25

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LFI624	4.2	L4.1	39.00	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFI626	<5.9	<12.0	22.00	45.0	<3.90	<17.0	<6.3	<1.90	<1.30	<19.0
LFI627	13.0	9.0	7.20	41.0	<.99	<4.3	<1.6	<.48	<.32	<4.8
LFP151	27.0	13.0	44.00	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP152	22.0	L5.3	18.00	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP153	30.0	6.4	13.00	29.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP154	39.0	7.1	38.00	31.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP155	8.5	L3.8	7.50	29.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP156	25.0	L4.8	30.00	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP157	58.0	23.0	61.00	76.0	L1.00	<3.3	<1.3	<.38	<.25	<3.8
LFP158	20.0	11.0	17.00	37.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP159	53.0	20.0	48.00	46.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP160	68.0	25.0	91.00	55.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP161	56.0	20.0	30.00	45.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP162	67.0	22.0	38.00	63.0	L1.00	<3.3	<1.3	<.38	<.25	<3.8
LFP163	9.6	65.0	210.00	41.0	3.80	<3.3	<1.3	L.40	L.29	18.0
LFP164	13.0	9.6	18.00	41.0	<.77	<3.3	<1.3	<.38	<.25	L4.8
LFP165	11.0	6.0	11.00	38.0	<.77	<3.3	<1.3	<.38	<.25	L9.1
LFP166	9.3	8.7	17.00	46.0	<.77	<3.3	<1.3	<.38	<.25	L9.2
LFP167	11.0	9.0	24.00	64.0	<.77	<3.3	<1.3	<.38	L.33	13.0
LFP168	9.9	8.1	51.00	66.0	<.77	<3.3	<1.3	<.38	L.52	20.0
LFP169	4.5	7.1	18.00	56.0	L1.50	<3.5	<1.3	<.39	L.49	14.0
LFP170	L1.5	L4.6	5.50	47.0	L1.10	<3.3	<1.3	<.38	L.36	12.0
LFP171	3.7	L4.3	20.00	120.0	L1.20	<3.3	<1.3	<.38	1.20	43.0
LFP172	3.8	L5.3	87.00	1,400.0	L1.10	<3.3	<1.3	<.38	16.00	200.0
LFP173	7.3	9.7	7.40	81.0	3.20	<3.3	<1.3	<.38	<.25	14.0
LFP174	10.0	7.8	4.40	55.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP175	19.0	15.0	4.90	90.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP176	21.0	13.0	5.00	80.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP177	9.9	7.5	3.80	48.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP178	35.0	19.0	25.00	63.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP179	120.0	16.0	30.00	47.0	<.77	<3.3	<1.3	<.38	<.30	<3.8
LFP180	43.0	17.0	35.00	60.0	L1.30	<3.3	<1.3	<.38	<.25	<3.8
LFP181	5.2	7.4	15.00	17.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP182	5.2	L2.4	6.10	13.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP183	4.1	L3.6	3.80	17.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP184	L2.9	<2.4	4.10	17.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP185	5.3	L2.5	4.60	20.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP186	11.0	L5.7	8.90	30.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP187	4.4	L2.7	3.80	20.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP188	11.0	6.2	9.10	30.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP189	16.0	9.0	7.30	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP190	38.0	14.0	14.00	73.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP191	45.0	13.0	23.00	57.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP192	8.7	L5.8	20.00	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LFI624	<11.0	<.18	.210	18.0	32.0	3.90	5.9	1.200	1.50
LFI626	<21.0	35.00	L.340	23.0	32.0	L3.20	<9.0	3.500	<1.60
LFI627	<9.4	<.22	L.087	26.0	34.0	2.90	<2.3	<.074	2.20
LFP151	<8.9	<.18	L.074	24.0	53.0	3.80	<1.8	<.058	1.40
LFP152	L9.3	<.18	L.066	9.4	61.0	2.30	<1.8	L.084	1.30
LFP153	<4.3	<.18	.120	21.0	48.0	2.50	L2.1	<.058	1.40
LFP154	<9.2	<.18	.083	8.7	130.0	2.40	<1.8	.170	L.72
LFP155	<4.3	<.18	.100	27.0	25.0	2.50	L2.1	<.058	1.20
LFP156	L7.7	<.18	L.061	7.5	84.0	1.80	<1.8	L.140	L.51
LFP157	<5.6	<.18	.220	12.0	200.0	3.70	<1.8	<.058	4.40
LFP158	<6.1	<.18	.082	18.0	47.0	2.30	<1.8	<.058	2.00
LFP159	<7.0	<.18	.091	7.8	120.0	1.40	<1.8	<.058	1.90
LFP160	<4.3	<.18	.120	16.0	140.0	2.20	<1.8	<.058	2.80
LFP161	<7.1	<.18	.150	18.0	110.0	2.20	<1.8	<.058	2.80
LFP162	<9.8	<.18	.170	14.0	130.0	3.10	<1.8	<.058	3.90
LFP163	<4.3	<.18	.830	25.0	14.0	20.00	36.0	37.000	1.60
LFP164	160.0	<.18	.150	11.0	46.0	4.20	6.8	1.200	2.70
LFP165	130.0	<.18	.095	12.0	20.0	3.00	L4.4	<.058	1.70
LFP166	130.0	<.18	.150	26.0	49.0	3.90	4.7	<.058	2.30
LFP167	240.0	<.18	.160	17.0	58.0	3.50	L3.6	<.058	1.80
LFP168	340.0	<.18	.150	18.0	49.0	3.90	5.7	.390	1.50
LFP169	<9.0	<.18	.230	17.0	38.0	5.00	6.5	3.100	1.90
LFP170	L8.0	<.18	.200	18.0	23.0	3.30	5.4	2.600	L.79
LFP171	<5.9	<.18	.290	33.0	30.0	5.20	7.2	3.000	.83
LFP172	<12.0	<.18	.410	39.0	38.0	6.70	11.0	3.400	.84
LFP173	34.0	<.18	.130	16.0	39.0	3.40	L3.5	<.058	2.60
LFP174	<11.0	<.18	.120	24.0	65.0	2.40	<1.8	<.058	1.50
LFP175	<7.2	<.18	.220	58.0	210.0	2.30	<1.8	<.058	2.00
LFP176	<13.0	<.18	.110	56.0	120.0	2.20	<1.8	<.058	2.00
LFP177	<11.0	<.18	.100	18.0	68.0	2.40	<1.8	<.058	1.50
LFP178	<12.0	<.18	.140	14.0	190.0	2.60	<1.8	<.058	3.20
LFP179	<8.4	<.18	.140	18.0	160.0	1.70	<1.8	<.058	1.60
LFP180	<4.3	<.18	.200	30.0	260.0	3.50	<1.8	<.058	3.60
LFP181	<4.3	<.18	.420	17.0	21.0	16.00	17.0	8.600	L.75
LFP182	<4.3	<.18	.190	12.0	14.0	3.20	6.2	.580	L.80
LFP183	<4.3	<.18	.100	30.0	29.0	2.30	L3.5	.230	1.20
LFP184	<4.3	<.18	.082	15.0	15.0	1.50	<1.8	<.058	L.57
LFP185	<4.3	<.18	L.077	21.0	29.0	1.90	L1.9	<.058	1.00
LFP186	<4.3	<.18	.120	34.0	48.0	3.20	L3.5	.490	1.40
LFP187	<4.3	<.18	.100	16.0	21.0	1.80	L2.3	<.058	1.10
LFP188	<4.3	<.18	.130	34.0	57.0	2.90	L2.6	.190	1.50
LFP189	L15.0	<.18	.140	24.0	70.0	6.00	8.9	2.400	2.90
LFP190	<11.0	<.18	.350	24.0	130.0	6.30	6.9	<.058	1.50
LFP191	<6.0	<.18	.200	12.0	130.0	2.30	<1.8	<.058	2.40
LFP192	<4.3	<.18	.170	18.0	30.0	2.50	L2.5	<.058	1.20

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LFP193	48 8 37	120 53 45	2,900	3,500	15,000.0	11,000	1,100	420	160	32.0	<1.40
LFP194	48 8 32	120 53 51	5,300	3,000	12,000.0	15,000	830	390	120	35.0	14.00
LFP195	48 8 12	120 53 28	3,600	3,400	14,000.0	11,000	920	460	160	31.0	L3.40
LFP196	48 8 7	120 53 29	2,000	6,700	11,000.0	9,500	440	780	730	21.0	<.61
LFP197	48 1 40	121 7 0	7,100	2,400	22,000.0	14,000	970	450	170	52.0	14.00
LFP198	48 1 46	121 6 36	3,600	3,200	14,000.0	19,000	810	620	61	47.0	12.00
LFP199	48 1 51	121 6 8	8,100	2,700	20,000.0	13,000	1,100	420	170	48.0	16.00
LFP200	48 1 52	121 5 19	6,600	3,200	20,000.0	11,000	990	460	220	43.0	L9.50
LFP201	48 1 55	121 5 2	9,000	4,300	23,000.0	13,000	920	870	190	52.0	L10.00
LFP202	48 1 58	121 4 5	4,800	2,100	16,000.0	9,500	1,300	190	100	43.0	L7.80
LFP203	48 1 52	121 3 14	4,700	3,400	14,000.0	9,400	1,000	480	130	39.0	L6.40
LFP204	48 1 47	121 2 11	1,700	2,300	19,000.0	16,000	1,100	670	190	48.0	<.25
LFP205	48 1 51	121 0 23	1,200	2,700	8,800.0	5,500	1,200	210	70	21.0	<.25
LFP206	48 1 43	120 59 59	3,200	3,800	12,000.0	9,300	950	570	150	25.0	<.25
LFP207	48 1 31	120 59 10	7,200	3,200	17,000.0	11,000	1,100	450	180	25.0	16.00
LFP208	48 3 18	121 8 59	7,300	2,700	22,000.0	11,000	780	670	160	47.0	14.00
LFP209	48 4 0	121 9 15	12,000	7,100	18,000.0	20,000	1,400	460	180	41.0	L4.20
LFP210	48 4 32	121 9 19	7,500	3,500	18,000.0	11,000	830	680	200	42.0	L7.20
LFP211	48 5 10	121 9 45	1,900	3,300	12,000.0	5,700	640	400	150	41.0	<.25
LFP212	48 5 36	121 10 4	2,100	4,400	12,000.0	9,000	930	400	170	37.0	<1.70
LFP213	48 6 1	121 10 20	810	4,200	7,100.0	6,700	640	380	46	25.0	<.25
LFP214	48 6 35	121 10 25	970	3,200	7,400.0	4,800	540	330	69	30.0	<.25
LFP215	48 6 38	121 10 31	1,000	2,600	6,300.0	4,300	390	310	90	22.0	<.25
LFP216	48 7 11	121 11 25	1,000	3,800	8,200.0	4,400	510	410	79	32.0	<.47
LFP217	48 7 38	121 11 53	540	3,900	8,900.0	6,500	720	380	100	32.0	<.25
LFP218	48 8 39	121 13 42	1,200	3,300	26,000.0	3,500	1,500	650	140	100.0	<.25
LFP219	48 8 53	121 13 54	1,100	3,600	16,000.0	6,400	930	470	130	52.0	<.25
LFP220	48 9 13	121 14 30	1,600	2,700	26,000.0	5,000	1,300	500	140	88.0	<.25
LFP221	48 5 20	121 10 22	5,000	3,000	16,000.0	6,500	680	720	160	45.0	L4.40
LFP222	48 6 18	121 11 8	670	2,500	16,000.0	7,000	1,200	310	250	43.0	<.25
LFP223	48 6 43	121 11 30	3,200	2,900	13,000.0	9,300	1,200	300	120	34.0	10.00
LFR452	48 9 17	120 53 27	1,700	3,700	15,000.0	9,500	860	480	130	38.0	<.25
LFR453	48 9 12	120 53 25	2,200	3,500	19,000.0	16,000	980	460	260	41.0	<.25
LFR454	48 9 22	120 53 29	1,300	4,100	12,000.0	12,000	750	490	180	32.0	<.25
LFR455	48 9 26	120 53 40	2,500	2,800	20,000.0	18,000	930	600	230	40.0	<.25
LFR456	48 9 24	120 53 47	4,300	2,800	17,000.0	15,000	880	540	150	37.0	17.00
LFR457	48 7 33	120 53 46	980	2,400	24,000.0	11,000	1,500	670	270	74.0	<.25
LFR458	48 7 49	120 54 34	910	2,600	12,000.0	10,000	920	430	140	37.0	<.25
LFR459	48 7 56	120 55 21	1,700	3,400	16,000.0	12,000	1,100	560	200	48.0	<.47
LFR460	48 8 4	120 55 52	1,100	3,000	12,000.0	13,000	1,000	480	83	39.0	<1.70
LFR461	48 8 28	120 56 13	990	2,700	21,000.0	10,000	1,400	520	200	69.0	<1.10
LFR462	48 8 48	120 56 21	2,300	2,900	18,000.0	11,000	1,200	530	180	49.0	<3.50
LFR463	48 8 50	120 56 40	1,800	3,900	23,000.0	9,200	1,900	640	200	70.0	L5.50
LFR464	48 8 32	120 52 32	4,400	1,800	43,000.0	19,000	670	960	640	52.0	<4.80
LFR465	48 12 25	121 4 12	2,300	8,600	13,000.0	13,000	720	560	530	20.0	<.89

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LFP193	9.0	L4.9	23.00	33.0	L.98	<3.3	<1.3	<.38	<.25	<3.8
LFP194	12.0	L5.5	14.00	30.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP195	11.0	6.1	16.00	34.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP196	12.0	L6.3	13.00	31.0	<1.90	<8.1	<3.1	<.91	<.61	L14.0
LFP197	28.0	11.0	25.00	44.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP198	16.0	L5.7	21.00	36.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP199	23.0	10.0	23.00	45.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP200	18.0	9.1	19.00	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP201	23.0	11.0	28.00	52.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP202	11.0	6.0	7.80	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP203	12.0	6.1	8.80	32.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP204	6.0	6.8	9.00	30.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP205	3.7	L2.9	2.00	20.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP206	7.8	L5.0	8.70	28.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP207	28.0	8.8	29.00	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP208	27.0	11.0	25.00	50.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP209	33.0	13.0	9.20	31.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP210	21.0	10.0	20.00	51.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP211	8.6	L4.9	6.40	18.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP212	9.4	L4.6	6.90	34.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP213	6.0	<2.4	4.10	13.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP214	6.7	L2.7	5.50	11.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP215	6.2	L2.5	5.00	10.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP216	9.2	<4.5	7.40	15.0	<1.50	<6.3	<2.3	<.70	<.47	<7.1
LFP217	4.6	L2.5	5.60	17.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP218	12.0	9.1	3.00	29.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP219	8.3	6.3	5.90	24.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP220	9.5	7.2	3.00	34.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP221	17.0	7.0	13.00	34.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFP222	3.8	L4.3	1.70	26.0	L.93	<3.3	<1.3	<.38	<.25	<3.8
LFP223	9.6	L4.3	6.90	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR452	6.1	9.3	54.00	39.0	3.40	<3.3	<1.3	<.38	L.38	L4.6
LFR453	6.1	16.0	160.00	47.0	3.10	<3.3	<1.3	<.38	L.54	<3.8
LFR454	5.3	7.7	27.00	32.0	3.10	<3.3	<1.3	<.38	L.43	L8.1
LFR455	8.5	14.0	59.00	61.0	L1.70	<3.3	<1.3	<.38	L.50	<3.8
LFR456	17.0	7.3	13.00	45.0	L.80	<3.3	<1.3	<.38	L.39	9.5
LFR457	8.2	9.4	5.30	32.0	<.77	<3.3	<1.3	<.38	<.25	L7.1
LFR458	5.6	L4.8	4.50	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR459	11.0	6.5	7.80	35.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR460	6.9	L4.2	5.40	27.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR461	7.4	9.2	4.00	32.0	<.77	<3.3	<1.3	<.38	<.34	<3.8
LFR462	11.0	9.4	9.10	38.0	<.77	<3.3	<1.3	<.38	<.28	<3.8
LFR463	10.0	10.0	3.40	39.0	<.77	<3.3	<1.3	<.38	<.27	<3.8
LFR464	27.0	21.0	77.00	87.0	<.77	<3.3	<1.3	<.38	L1.50	L4.4
LFR465	L4.2	<8.5	9.60	96.0	<2.80	<12.0	<4.5	<1.30	L1.20	L29.0

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LFP193	L16.0	<.18	.120	26.0	33.0	3.60	L4.1	.990	1.50
LFP194	<4.3	<.18	.160	20.0	40.0	3.50	L2.9	.550	1.10
LFP195	<11.0	<.18	.130	24.0	52.0	3.10	L2.8	.570	1.30
LFP196	<10.0	27.00	L.180	48.0	75.0	4.70	L4.4	.830	<.79
LFP197	<4.3	<.18	.180	11.0	110.0	5.50	6.2	<.058	L1.30
LFP198	<4.3	<.18	.220	13.0	52.0	4.30	5.9	.430	1.40
LFP199	<4.3	<.18	.150	12.0	130.0	3.40	<1.8	<.058	1.40
LFP200	<4.3	<.18	.130	12.0	89.0	3.00	<1.8	.410	1.40
LFP201	<4.3	<.18	.140	17.0	100.0	3.40	<1.8	<.058	L1.10
LFP202	<4.3	<.18	.085	15.0	71.0	2.10	<1.8	<.058	1.50
LFP203	<4.3	<.18	.110	19.0	65.0	2.80	L2.2	<.058	L1.10
LFP204	<4.3	<.18	.300	17.0	45.0	6.40	12.0	.710	1.40
LFP205	<4.3	<.18	L.079	22.0	23.0	1.50	<1.8	<.058	1.50
LFP206	<4.3	<.18	.120	21.0	70.0	2.20	<1.8	<.058	1.30
LFP207	<4.3	<.18	.110	10.0	130.0	1.90	<1.8	<.058	1.80
LFP208	<4.3	<.18	.130	12.0	98.0	5.20	6.2	.410	L.95
LFP209	<4.3	<.18	.140	48.0	27.0	2.70	<1.8	<.058	1.40
LFP210	<4.3	<.18	.120	19.0	77.0	3.40	L2.6	.200	L1.10
LFP211	<4.3	<.18	.086	28.0	23.0	3.50	6.3	.770	L.87
LFP212	<4.3	<.18	.120	31.0	30.0	2.40	L2.7	<.058	1.10
LFP213	25.0	<.18	L.061	36.0	11.0	3.10	5.5	.880	L.81
LFP214	<4.3	<.18	L.057	26.0	9.9	2.90	5.5	.850	L.71
LFP215	<4.3	<.18	L.063	22.0	12.0	2.80	5.6	1.200	L.50
LFP216	<8.0	4.40	L.068	27.0	11.0	2.60	L4.2	.740	<.61
LFP217	<4.3	<.18	.086	32.0	13.0	3.00	L4.1	.760	L.84
LFP218	<4.3	<.18	.088	19.0	5.4	4.20	7.7	<.058	L2.10
LFP219	L9.1	<.18	.089	31.0	17.0	3.20	5.8	<.058	L1.30
LFP220	<6.1	<.18	L.052	20.0	20.0	2.90	L3.4	<.058	L1.70
LFP221	L10.0	<.18	L.068	16.0	40.0	3.30	L3.4	.580	L.85
LFP222	L20.0	<.18	.170	14.0	15.0	2.30	<1.8	L.073	1.40
LFP223	<7.7	<.18	.130	19.0	36.0	2.10	<1.8	<.058	1.50
LFR452	64.0	<.18	.120	31.0	19.0	4.00	5.1	.920	1.10
LFR453	L39.0	<.18	.200	26.0	23.0	3.90	5.3	.610	1.40
LFR454	L40.0	<.18	.180	32.0	14.0	3.70	5.6	.740	1.00
LFR455	79.0	<.18	.220	24.0	23.0	5.20	7.9	2.300	1.40
LFR456	60.0	<.18	.210	20.0	39.0	5.30	5.8	.960	1.40
LFR457	<4.3	<.18	.100	22.0	18.0	4.10	5.4	<.058	2.20
LFR458	<4.3	<.18	.130	25.0	21.0	3.00	L3.9	L.074	1.20
LFR459	<4.3	<.18	.190	29.0	40.0	4.30	5.1	.330	1.40
LFR460	<4.3	<.18	.120	29.0	25.0	2.80	5.4	<.058	1.50
LFR461	<4.3	<.18	.100	22.0	16.0	3.40	5.1	<.058	2.10
LFR462	<4.3	<.18	.110	22.0	42.0	4.20	6.4	L.078	1.80
LFR463	<4.3	<.18	.110	28.0	28.0	3.90	L4.1	<.058	2.70
LFR464	L44.0	<.18	.430	21.0	40.0	14.00	33.0	2.900	1.20
LFR465	<15.0	35.00	.390	42.0	40.0	5.90	L7.9	3.200	L1.20

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LFR466	48 4 5	120 56 17	2,400	3,100	18,000.0	7,300	1,200	600	130	62.0	L10.00
LFR467	48 3 49	120 56 8	4,000	3,700	14,000.0	4,000	990	860	200	15.0	16.00
LFR468	48 2 7	120 56 7	10,000	4,000	23,000.0	15,000	1,500	720	320	35.0	65.00
LFR469	48 2 1	120 56 39	13,000	4,800	30,000.0	18,000	1,800	1,000	360	39.0	44.00
LFR470	48 2 35	121 0 17	5,400	3,400	17,000.0	11,000	1,100	430	170	33.0	16.00
LFR471	48 3 6	121 1 6	2,900	4,700	13,000.0	8,700	980	760	140	24.0	<.25
LFR472	48 2 59	121 1 13	1,300	2,600	31,000.0	5,000	2,300	400	170	110.0	<4.20
LFR473	48 3 46	121 1 10	2,900	4,100	12,000.0	9,300	930	660	120	22.0	<.25
LFR474	48 3 44	121 1 24	2,800	4,000	12,000.0	8,700	910	680	120	23.0	<.25
LFR475	48 13 8	120 56 8	550	3,300	4,500.0	5,500	660	260	98	9.0	<.25
LFR476	48 13 8	120 56 2	1,400	3,700	12,000.0	9,200	1,100	360	230	31.0	<.25
LFR477	48 13 42	120 55 57	1,500	3,000	16,000.0	7,000	1,300	280	150	47.0	<.25
LFR478	48 14 27	120 56 4	2,200	3,900	17,000.0	11,000	1,000	430	300	39.0	<.25
LFR479	48 14 29	120 56 13	1,800	3,800	13,000.0	9,100	830	430	170	28.0	<.25
LFR480	48 15 18	120 55 26	4,700	4,500	22,000.0	10,000	800	500	230	64.0	<2.20
LFR481	48 15 41	120 55 33	3,000	3,300	13,000.0	9,300	870	420	180	28.0	<1.20
LFR482	48 16 8	120 55 39	4,900	4,100	19,000.0	13,000	1,000	540	320	42.0	<3.70
LFR483	48 18 31	120 55 5	6,900	5,500	24,000.0	13,000	1,000	550	370	54.0	<4.20
LFR484	48 19 9	120 55 1	5,500	7,100	20,000.0	20,000	1,400	640	480	34.0	28.00
LFR485	48 18 38	120 55 22	3,400	3,000	12,000.0	8,700	750	340	160	25.0	<.25
LFR486	48 18 18	120 55 22	3,600	2,900	13,000.0	9,200	780	390	180	30.0	<1.30
LFR487	48 17 0	121 1 19	3,100	4,300	23,000.0	7,200	510	940	160	90.0	<.25
LFR488	48 5 22	121 10 46	4,500	4,700	15,000.0	11,000	820	510	140	37.0	9.00
LFR489	48 1 18	121 6 48	8,000	2,500	21,000.0	16,000	1,400	460	160	59.0	28.00
LFR490	48 1 48	121 4 47	9,300	4,000	24,000.0	18,000	1,600	670	230	56.0	23.00
LFR491	48 1 51	121 3 46	11,000	4,000	27,000.0	18,000	1,700	650	200	71.0	30.00
LFR492	48 0 47	121 2 15	13,000	3,000	27,000.0	21,000	1,800	670	94	87.0	52.00
LFR493	48 1 33	121 0 1	3,500	8,300	16,000.0	13,000	1,500	860	250	27.0	<.25
LFR494	48 1 10	120 58 35	1,600	4,500	6,300.0	16,000	980	610	62	17.0	L3.00
LFR495	47 59 42	121 8 30	5,300	3,900	46,000.0	13,000	320	1,100	1,400	50.0	<.26
LFR496	47 59 44	121 8 32	5,600	3,700	38,000.0	12,000	340	1,100	900	47.0	<.25
LFR497	47 59 52	121 8 18	6,800	4,500	45,000.0	18,000	550	1,100	1,400	60.0	<3.10
LFR498	47 59 54	121 8 29	6,600	3,800	44,000.0	15,000	560	1,000	1,100	56.0	<.40
LFR499	48 1 35	121 10 1	9,200	4,400	33,000.0	15,000	980	1,100	310	65.0	38.00
LFR500	48 0 29	121 10 15	13,000	4,300	44,000.0	18,000	880	1,500	490	80.0	49.00
LFR501	48 8 23	121 13 15	1,700	7,600	18,000.0	9,500	1,200	650	190	57.0	L4.70
LFR503	48 7 10	121 12 15	8,800	7,400	26,000.0	21,000	1,600	1,200	380	68.0	26.00
LFR504	48 9 58	121 8 50	7,400	4,900	22,000.0	16,000	1,300	820	310	50.0	18.00
LFR505	48 9 51	121 7 57	2,200	5,700	9,700.0	8,500	730	480	140	24.0	<.93
LFR506	48 11 14	121 8 58	8,500	7,200	17,000.0	16,000	1,300	730	270	29.0	32.00
LFR508	48 12 42	121 9 56	6,100	5,100	17,000.0	13,000	1,100	670	160	38.0	20.00
LFR509	48 13 34	121 10 19	17,000	5,400	33,000.0	29,000	2,300	1,000	220	92.0	64.00
LFR510	48 13 57	121 10 46	7,200	4,900	19,000.0	14,000	1,300	640	290	41.0	20.00
LFR511	48 1 58	121 11 41	7,500	10,000	19,000.0	18,000	1,300	760	160	52.0	53.00
LFR513	48 2 40	121 12 30	12,000	4,600	28,000.0	19,000	1,300	970	320	62.0	73.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LFR466	16.0	<12.0	11.00	36.0	<3.90	<17.0	<6.3	<1.90	<1.30	<19.0
LFR467	200.0	16.0	50.00	21.0	L.88	<3.3	<1.3	<.38	L.35	<3.8
LFR468	58.0	17.0	38.00	52.0	L1.20	<3.3	<1.3	<.38	L.48	<3.8
LFR469	49.0	18.0	46.00	82.0	L1.40	<3.3	<1.3	<.38	L.71	<3.8
LFR470	19.0	8.9	23.00	42.0	<.77	<3.3	<1.3	<.38	L.31	<3.8
LFR471	4.9	L5.0	4.20	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR472	11.0	L10.0	<.50	46.0	<2.20	<9.5	<3.6	<1.10	<.71	<11.0
LFR473	4.4	L5.2	4.40	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR474	4.5	L4.9	4.20	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR475	L1.5	<2.4	8.10	29.0	<.77	<3.3	<1.3	<.38	.75	L3.8
LFR476	L2.5	L4.4	32.00	41.0	<.77	<3.3	<1.3	<.38	L.54	<3.8
LFR477	4.4	6.4	7.10	39.0	L.82	<3.3	<1.3	<.38	L.31	L7.2
LFR478	5.2	7.1	24.00	56.0	L1.00	<3.3	<1.3	<.38	.85	10.0
LFR479	3.1	L5.2	22.00	31.0	L1.50	<3.3	<1.3	<.38	L.43	<3.8
LFR480	8.0	9.5	22.00	38.0	<.77	<3.3	<1.3	<.38	L.84	L3.8
LFR481	5.4	6.3	24.00	37.0	L.94	<3.3	<1.3	<.38	L.48	L4.8
LFR482	L7.7	<12.0	55.00	50.0	<3.90	<17.0	<6.3	<1.90	<1.30	<19.0
LFR483	11.0	14.0	27.00	92.0	L.93	<3.3	<1.3	<.38	1.30	<3.8
LFR484	18.0	12.0	38.00	50.0	2.10	<3.3	<1.3	<.38	1.10	<3.8
LFR485	4.4	L5.7	18.00	30.0	L.78	<3.3	<1.3	<.38	L.47	<3.8
LFR486	L5.3	<8.5	19.00	32.0	<2.80	<12.0	<4.5	<1.30	<.89	<13.0
LFR487	L2.6	7.4	8.70	22.0	L1.00	<3.3	<1.3	<.38	L.74	<3.8
LFR488	13.0	8.0	11.00	30.0	<.77	<3.3	<1.3	<.38	L.44	<3.8
LFR489	22.0	13.0	25.00	73.0	<.77	<3.3	<1.3	<.38	L.44	<3.8
LFR490	23.0	16.0	30.00	54.0	L1.20	<3.3	<1.3	<.38	L.51	<3.8
LFR491	25.0	18.0	25.00	62.0	L1.60	<3.3	<1.3	<.38	L.65	<3.8
LFR492	38.0	19.0	32.00	62.0	L1.90	<4.2	<1.6	<.47	L.72	<4.7
LFR493	5.2	6.5	2.70	36.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR494	3.6	L2.4	5.20	22.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR495	25.0	22.0	85.00	360.0	L1.80	<3.5	<1.3	L.61	3.90	49.0
LFR496	28.0	19.0	60.00	230.0	L1.40	<3.3	<1.3	L.47	2.80	30.0
LFR497	33.0	26.0	79.00	260.0	L1.90	<3.9	<1.5	<.44	3.40	38.0
LFR498	32.0	22.0	68.00	260.0	L2.10	<5.3	<2.0	<.60	3.00	35.0
LFR499	48.0	18.0	30.00	83.0	<.97	<4.2	<1.6	<.47	L1.20	<4.7
LFR500	81.0	27.0	58.00	110.0	L1.20	<3.3	<1.3	<.38	L1.60	<3.8
LFR501	11.0	7.2	6.50	26.0	<.77	<3.3	<1.3	<.38	L.36	<3.8
LFR503	22.0	16.0	25.00	83.0	<.77	<3.3	<1.3	<.38	L.99	<3.8
LFR504	17.0	11.0	22.00	53.0	<.77	<3.3	<1.3	<.38	L.67	<3.8
LFR505	6.2	L4.2	6.80	22.0	<.77	<3.3	<1.3	<.38	L.29	<3.8
LFR506	66.0	11.0	14.00	49.0	<.77	<3.3	<1.3	<.38	L.51	<3.8
LFR508	21.0	8.3	15.00	40.0	<.77	<3.3	<1.3	<.38	L.38	<3.8
LFR509	64.0	23.0	64.00	86.0	<.77	<3.3	<1.3	<.38	L.79	<3.8
LFR510	17.0	10.0	16.00	49.0	<.77	<3.3	<1.3	<.38	L.57	<3.8
LFR511	38.0	13.0	30.00	70.0	L.84	<3.3	<1.3	<.38	L.73	<3.8
LFR513	54.0	19.0	33.00	74.0	<.77	<3.3	<1.3	<.38	L.99	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LFR466	<21.0	18.00	<.160	24.0	57.0	L3.60	<9.0	<.290	L1.70
LFR467	L8.3	<.18	L.045	7.6	66.0	2.50	L2.1	.760	1.70
LFR468	<4.3	<.18	.130	19.0	140.0	3.40	<1.8	<.058	2.20
LFR469	<4.3	<.18	.200	16.0	220.0	4.40	<1.8	<.058	2.50
LFR470	<4.3	<.18	.110	17.0	110.0	2.20	<1.8	<.058	1.60
LFR471	<4.3	<.18	L.072	25.0	71.0	2.40	L2.0	L.100	1.30
LFR472	<12.0	<.50	<.093	21.0	19.0	L2.30	<5.1	<.160	3.10
LFR473	<4.3	<.18	L.072	25.0	68.0	2.30	L1.8	L.110	1.30
LFR474	<4.3	<.18	L.068	23.0	67.0	2.10	<1.8	<.058	1.20
LFR475	20.0	<.18	L.061	23.0	18.0	1.70	L1.9	.360	L.68
LFR476	82.0	<.18	.093	29.0	29.0	2.80	L3.3	<.058	1.30
LFR477	L19.0	<.18	L.045	22.0	20.0	3.40	4.6	<.058	2.20
LFR478	160.0	<.18	.140	26.0	45.0	4.10	5.9	L.086	1.70
LFR479	75.0	<.18	.086	21.0	38.0	3.60	5.1	1.300	1.40
LFR480	<11.0	<.18	L.068	27.0	53.0	3.30	L2.9	<.058	1.50
LFR481	48.0	<.18	.094	20.0	50.0	3.30	L3.6	.510	1.50
LFR482	60.0	25.00	<.160	26.0	80.0	L3.30	<9.0	<.290	L1.80
LFR483	<6.8	<.18	.083	28.0	48.0	2.50	<1.8	<.058	1.70
LFR484	<12.0	<.18	.270	39.0	96.0	6.70	8.7	2.700	2.60
LFR485	L17.0	<.18	L.064	19.0	44.0	2.40	L2.2	<.058	1.20
LFR486	L25.0	16.00	<.120	17.0	50.0	L2.80	<6.4	<.210	L1.30
LFR487	<5.1	<.18	L.046	13.0	41.0	7.00	12.0	.730	1.40
LFR488	<4.3	<.18	.096	41.0	53.0	4.00	5.1	.510	1.10
LFR489	<4.3	<.18	.140	13.0	140.0	6.20	6.7	<.058	2.30
LFR490	<4.3	<.18	.150	16.0	170.0	3.00	<1.8	<.058	2.30
LFR491	<4.3	<.18	.140	22.0	210.0	5.10	L3.9	<.058	2.20
LFR492	<5.3	<.22	L.100	16.0	300.0	5.50	L2.7	<.072	2.40
LFR493	<4.3	<.18	.170	52.0	90.0	3.70	L4.1	.290	1.80
LFR494	<4.3	7.10	.210	36.0	42.0	3.80	5.3	1.400	1.00
LFR495	L24.0	<.18	.330	21.0	84.0	8.50	14.0	<.060	L.52
LFR496	L21.0	<.18	.270	20.0	87.0	7.70	12.0	.540	L.63
LFR497	<19.0	<.21	.410	31.0	110.0	11.00	17.0	1.200	L.89
LFR498	L24.0	<.28	.340	23.0	100.0	9.40	15.0	<.091	L1.00
LFR499	<5.3	<.22	.200	18.0	160.0	8.90	13.0	2.600	1.10
LFR500	<4.3	<.18	.270	23.0	150.0	7.70	8.2	1.700	1.20
LFR501	<4.3	<.18	L.054	54.0	35.0	4.30	6.4	<.058	1.50
LFR503	<4.3	<.18	.270	32.0	100.0	3.70	<1.8	1.000	1.90
LFR504	<12.0	<.18	.130	21.0	110.0	2.80	<1.8	.390	1.60
LFR505	<5.7	<.18	L.072	45.0	42.0	3.50	5.1	1.200	L.74
LFR506	<4.3	<.18	.180	57.0	63.0	4.50	L3.9	.210	2.20
LFR508	<4.3	<.18	.120	33.0	81.0	3.60	L2.9	.590	1.40
LFR509	<4.3	<.18	.180	18.0	330.0	4.10	<1.8	<.058	2.40
LFR510	<4.3	<.18	.140	21.0	110.0	3.70	L1.8	1.100	1.80
LFR511	<4.3	<.18	.240	41.0	100.0	6.90	5.3	1.200	1.70
LFR513	<4.3	<.18	.180	18.0	150.0	5.40	L3.9	1.200	1.50

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LFR514	48 2 44	121 12 38	9,900	3,700	25,000.0	15,000	1,100	1,000	270	58.0	65.00
LFR515	48 2 37	121 13 52	8,400	3,700	27,000.0	14,000	860	930	320	54.0	42.00
LFR516	48 2 43	121 14 28	16,000	7,500	38,000.0	25,000	1,200	1,400	610	98.0	68.00
LFR517	48 3 10	121 16 4	12,000	4,100	44,000.0	22,000	1,400	860	290	80.0	38.00
LFR518	48 25 46	121 7 29	11,000	6,400	37,000.0	19,000	1,500	1,000	450	58.0	<7.10
LFR519	48 25 26	121 7 27	11,000	7,500	39,000.0	20,000	1,500	1,200	740	64.0	30.00
LFR520	48 25 12	121 7 18	12,000	5,800	51,000.0	25,000	1,100	930	640	72.0	35.00
LFR521	48 24 53	121 6 55	11,000	10,000	61,000.0	32,000	1,200	740	630	85.0	<10.00
LFR522	48 24 48	121 6 49	23,000	6,200	46,000.0	31,000	920	720	570	81.0	92.00
LFR523	48 24 45	121 6 46	21,000	4,100	37,000.0	24,000	600	730	570	57.0	69.00
LFR524	48 24 34	121 6 38	12,000	6,200	49,000.0	16,000	570	950	1,000	58.0	<.25
LFR525	48 24 28	121 6 38	27,000	9,200	38,000.0	28,000	1,800	1,900	580	63.0	120.00
LFR526	48 24 58	121 21 44	8,600	4,400	29,000.0	21,000	1,800	490	330	69.0	21.00
LFR528	48 16 59	121 12 13	8,600	5,900	23,000.0	12,000	1,800	1,500	250	25.0	35.00
LFR529	48 17 38	121 11 52	12,000	9,300	28,000.0	17,000	2,500	1,300	290	36.0	55.00
LFR530	48 18 23	121 11 3	2,500	7,500	9,100.0	12,000	1,100	520	250	13.0	19.00
LFR531	48 18 58	121 9 57	9,000	8,500	25,000.0	16,000	1,900	870	480	38.0	52.00
LFR532	48 19 27	121 9 17	11,000	4,100	14,000.0	8,100	1,100	540	200	19.0	24.00
LFR533	48 17 16	121 12 18	7,000	3,900	16,000.0	13,000	1,100	460	150	40.0	13.00
LFR534	48 17 45	121 11 48	9,500	6,200	20,000.0	17,000	1,200	780	370	39.0	30.00
LFR535	48 17 52	121 11 40	7,100	5,400	18,000.0	14,000	1,300	480	260	32.0	30.00
LFR536	48 15 41	121 9 0	5,100	7,700	16,000.0	12,000	1,700	820	280	14.0	11.00
LFR537	48 15 33	121 9 22	5,400	6,000	17,000.0	16,000	1,900	730	210	18.0	13.00
LFR538	48 15 32	121 9 28	8,400	16,000	22,000.0	17,000	1,300	1,600	920	29.0	22.00
LFR539	48 15 28	121 10 11	7,700	6,100	19,000.0	14,000	1,400	900	300	20.0	20.00
LFR540	48 15 27	121 10 37	15,000	8,600	29,000.0	21,000	2,000	1,600	470	41.0	81.00
LFR541	48 15 22	121 10 48	13,000	6,500	28,000.0	19,000	1,900	910	430	45.0	63.00
LFR542	48 15 17	121 10 52	5,600	5,200	16,000.0	10,000	1,100	810	210	28.0	17.00
LFR543	48 15 53	121 8 30	3,300	5,000	12,000.0	9,100	930	740	210	15.0	L4.10
LFR544	48 16 17	121 7 53	6,900	8,300	22,000.0	15,000	1,700	1,700	260	19.0	L6.00
LFR547	48 25 53	121 20 40	1,300	3,500	7,300.0	7,500	400	350	310	8.7	L2.20
LFR548	48 25 50	121 20 29	1,300	1,700	4,900.0	4,500	310	240	78	4.8	<.46
LFR549	48 25 42	121 19 42	1,000	2,300	3,800.0	5,100	370	220	250	5.1	3.60
LFR550	48 25 38	121 19 28	1,200	2,000	5,700.0	5,100	320	300	170	5.9	<.92
LFR551	48 25 43	121 19 58	1,700	6,400	13,000.0	12,000	760	590	720	14.0	<.29
LFR552	48 25 47	121 20 50	3,800	9,900	19,000.0	14,000	1,900	L790	490	L25.0	<13.00
LFR554	48 24 11	121 20 49	6,500	4,300	24,000.0	12,000	1,200	720	200	41.0	<1.60
LFR555	48 7 10	121 11 38	2,400	190,000	46,000.0	380	L48	L230	650	<4.8	<4.00
LGD001	48 10 45	121 24 44	7,000	5,400	23,000.0	13,000	610	700	300	38.0	24.00
LGD002	48 10 40	121 23 35	13,000	8,000	49,000.0	22,000	2,900	650	610	98.0	51.00
LGD003	48 10 48	121 22 21	7,100	4,900	30,000.0	14,000	1,800	680	310	100.0	30.00
LGD004	48 7 45	121 24 35	16,000	10,000	38,000.0	24,000	2,900	620	650	70.0	62.00
LGD005	48 8 0	121 24 46	7,500	4,400	29,000.0	12,000	1,100	490	420	49.0	21.00
LGD006	48 8 34	121 25 11	12,000	5,400	46,000.0	22,000	360	820	660	53.0	L27.00
LGD008	48 11 6	121 21 29	8,400	5,000	25,000.0	16,000	1,400	810	350	52.0	38.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LFR514	53.0	L15.0	29.00	70.0	<4.80	<21.0	<7.8	<2.30	<1.60	<23.0
LFR515	36.0	14.0	25.00	92.0	<1.60	<7.1	<2.7	<.80	L1.10	<8.0
LFR516	60.0	30.0	65.00	110.0	L1.30	<3.3	<1.3	<.38	1.80	<3.8
LFR517	26.0	22.0	36.00	67.0	2.20	<3.3	<1.3	<.38	L1.50	<3.8
LFR518	14.0	24.0	230.00	60.0	18.00	L5.4	<1.3	<.38	1.60	<3.8
LFR519	27.0	24.0	180.00	93.0	73.00	<3.3	<1.3	<.38	2.20	14.0
LFR520	47.0	31.0	220.00	110.0	13.00	<3.3	<1.3	<.38	2.20	<3.8
LFR521	37.0	34.0	210.00	190.0	3.10	<3.3	<1.3	<.38	3.70	<3.8
LFR522	50.0	35.0	180.00	130.0	L1.50	<3.3	<1.3	<.38	2.50	<3.8
LFR523	39.0	24.0	79.00	78.0	L1.20	<3.3	<1.3	<.38	1.90	<3.8
LFR524	19.0	29.0	97.00	120.0	2.20	<3.3	<1.3	<.38	2.50	<3.8
LFR525	140.0	39.0	96.00	58.0	L.83	<3.3	<1.3	<.38	L1.60	<3.8
LFR526	21.0	14.0	35.00	57.0	<.77	<3.3	<1.3	<.38	L.50	<3.8
LFR528	45.0	15.0	24.00	46.0	<.77	<3.3	<1.3	<.38	L.47	<3.8
LFR529	51.0	21.0	27.00	52.0	<.77	<3.3	<1.3	<.38	L.61	<3.8
LFR530	11.0	7.1	7.40	35.0	L.91	<3.3	<1.3	<.38	<.25	<3.8
LFR531	42.0	15.0	20.00	67.0	<1.60	<7.1	<2.7	<.80	L.77	<8.0
LFR532	72.0	8.4	12.00	34.0	<.77	<3.3	<1.3	<.38	L.26	<3.8
LFR533	19.0	6.7	20.00	36.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR534	52.0	15.0	35.00	49.0	<.77	<3.3	<1.3	<.38	L.59	<3.8
LFR535	40.0	8.9	17.00	35.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR536	8.2	L4.8	2.80	51.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR537	12.0	6.2	5.80	48.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR538	L9.9	<20.0	9.50	93.0	<6.50	<28.0	<10.0	<3.10	<2.10	<31.0
LFR539	15.0	6.7	6.00	66.0	<.77	<3.3	<1.3	<.38	L.38	<3.8
LFR540	84.0	19.0	45.00	76.0	<.77	<3.3	<1.3	<.38	L.63	<3.8
LFR541	52.0	17.0	47.00	91.0	<.77	<3.3	<1.3	<.38	L.72	<3.8
LFR542	17.0	L5.3	11.00	48.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR543	4.3	<2.4	2.00	39.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR544	7.7	7.3	2.90	71.0	<.77	<3.3	<1.3	<.38	<.27	<3.8
LFR547	L2.2	<2.4	2.30	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR548	L1.2	<2.4	2.20	17.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR549	L1.7	L3.9	1.70	16.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR550	L1.7	<2.4	3.30	23.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR551	4.0	<2.8	4.40	35.0	<.91	<3.9	<1.5	<.44	L.35	<4.4
LFR552	<59.0	<120.0	24.00	87.0	<39.00	<170.0	<63.0	<19.00	<13.00	<190.0
LFR554	13.0	9.2	15.00	33.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LFR555	<19.0	<38.0	<2.80	L8.4	<12.00	<53.0	<20.0	<6.00	<4.00	<60.0
LGD001	26.0	13.0	23.00	52.0	<.77	L8.1	<1.3	<.38	<.25	<3.8
LGD002	40.0	28.0	33.00	75.0	<.77	13.0	<1.3	<.38	<.25	<3.8
LGD003	18.0	13.0	15.00	48.0	<.77	11.0	<1.3	<.38	<.25	<3.8
LGD004	44.0	26.0	41.00	58.0	<.77	12.0	<1.3	<.38	<.25	<3.8
LGD005	23.0	15.0	23.00	50.0	<.77	9.8	<1.3	<.38	<.25	<3.8
LGD006	48.0	22.0	53.00	110.0	<.77	12.0	<1.3	<.38	<.25	<3.8
LGD008	26.0	13.0	52.00	60.0	<.77	8.4	<1.3	4.30	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LFR514	<27.0	8.70	<.200	14.0	140.0	L5.10	<11.0	1.900	<2.00
LFR515	<9.0	<.37	L.170	14.0	110.0	6.00	L6.7	2.000	L1.40
LFR516	<4.3	<.18	.180	20.0	180.0	6.40	L4.1	1.100	1.80
LFR517	<8.0	<.18	.200	33.0	170.0	3.60	<1.8	<.058	2.00
LFR518	<4.3	<.18	.270	39.0	140.0	5.40	L4.3	<.058	2.60
LFR519	<4.3	<.18	.300	49.0	170.0	6.40	5.8	<.058	2.80
LFR520	<6.5	<.18	.310	45.0	130.0	4.60	<1.8	<.058	1.70
LFR521	150.0	<.18	.250	76.0	120.0	3.70	<1.8	<.058	1.50
LFR522	L100.0	<.18	.130	75.0	220.0	2.50	<1.8	<.058	L.67
LFR523	98.0	<.18	.110	26.0	77.0	2.30	<1.8	<.058	L.60
LFR524	210.0	<.18	.120	20.0	54.0	2.50	<1.8	<.058	L.67
LFR525	<4.3	<.18	.200	52.0	230.0	9.80	7.7	<.058	2.40
LFR526	<4.3	<.18	.180	15.0	130.0	3.00	<1.8	<.058	2.90
LFR528	<4.3	<.18	.170	13.0	120.0	3.00	<1.8	<.058	2.80
LFR529	<4.3	<.18	.170	16.0	130.0	2.30	<1.8	<.058	3.60
LFR530	<4.3	<.18	.210	31.0	37.0	4.20	5.1	.650	2.20
LFR531	<9.0	16.00	.300	27.0	130.0	4.90	<3.8	<.120	3.80
LFR532	<4.3	<.18	.130	11.0	52.0	2.70	<1.8	<.058	1.60
LFR533	<4.3	<.18	.094	12.0	130.0	1.40	<1.8	<.058	.86
LFR534	<4.3	<.18	.200	14.0	150.0	2.30	<1.8	<.058	1.20
LFR535	<4.3	<.18	.140	12.0	87.0	1.40	<1.8	<.058	1.70
LFR536	<4.3	<.18	.150	34.0	63.0	3.90	L4.3	<.058	2.80
LFR537	<4.3	<.18	.210	33.0	65.0	4.70	5.3	L.097	2.80
LFR538	<35.0	63.00	L.330	73.0	190.0	L6.40	<15.0	L.640	<2.70
LFR539	<4.3	<.18	.170	20.0	75.0	3.60	<1.8	<.058	1.70
LFR540	<4.3	<.18	.240	16.0	210.0	3.40	<1.8	<.058	2.20
LFR541	<4.3	<.18	.260	16.0	170.0	3.40	<1.8	<.058	2.10
LFR542	<4.3	<.18	.190	66.0	97.0	3.80	L3.0	<.058	1.50
LFR543	<4.3	<.18	.130	25.0	42.0	3.20	L3.2	<.058	1.20
LFR544	<4.3	<.18	.120	27.0	89.0	3.50	L2.4	<.058	2.20
LFR547	<4.3	<.18	.250	26.0	59.0	4.50	5.2	1.200	L.51
LFR548	<4.3	<.18	.110	13.0	27.0	2.20	L2.5	.370	<.32
LFR549	<4.3	<.18	.180	21.0	20.0	3.70	L3.7	1.100	L.34
LFR550	<4.3	6.20	.150	14.0	30.0	3.80	5.8	.500	<.32
LFR551	<5.0	33.00	.320	37.0	81.0	4.10	5.5	.230	L.76
LFR552	<210.0	230.00	<1.600	54.0	100.0	<23.00	<90.0	<2.900	<16.00
LFR554	<8.1	<.18	.100	25.0	110.0	3.50	L2.9	<.058	1.90
LFR555	L160.0	<2.80	3.700	990.0	730.0	L7.40	<29.0	24.000	<5.20
LGD001	<4.3	<.18	.180	36.0	60.0	4.80	5.3	.630	2.00
LGD002	<4.3	<.18	.180	25.0	50.0	5.40	<1.8	<.058	6.00
LGD003	<4.3	<.18	.150	20.0	97.0	5.00	L4.4	.930	5.50
LGD004	<4.3	<.18	.200	29.0	44.0	4.90	<1.8	1.500	5.20
LGD005	<4.3	<.18	.130	15.0	44.0	3.40	<1.8	<.058	2.90
LGD006	<4.3	<.18	.270	24.0	310.0	7.60	5.4	<.058	2.10
LGD008	<4.3	<.18	.170	22.0	110.0	5.70	5.3	1.900	3.60

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGD009	48 10 34	121 20 50	6,300	4,100	24,000.0	14,000	1,400	590	360	50.0	29.00
LGD010	48 10 14	121 19 21	5,700	3,400	19,000.0	12,000	1,200	570	250	42.0	26.00
LGD011	48 9 34	121 15 40	6,900	4,400	23,000.0	13,000	1,200	1,300	320	51.0	31.00
LGD012	48 9 33	121 15 39	7,100	4,400	24,000.0	14,000	1,500	1,500	270	59.0	31.00
LGD013	48 9 39	121 16 38	9,400	5,100	24,000.0	16,000	1,400	1,100	330	58.0	53.00
LGD014	48 9 48	121 17 18	6,800	5,100	21,000.0	14,000	1,500	1,100	320	44.0	33.00
LGD015	48 10 5	121 18 37	5,500	4,200	22,000.0	10,000	1,300	840	310	47.0	24.00
LGD016	48 9 48	121 19 27	9,400	4,900	28,000.0	17,000	1,600	860	370	72.0	51.00
LGD017	48 9 51	121 19 25	5,500	4,600	31,000.0	13,000	2,200	770	290	100.0	39.00
LGD018	48 9 54	121 19 55	7,100	7,900	28,000.0	18,000	1,800	550	450	64.0	L13.00
LGD019	48 10 18	121 20 15	4,100	5,000	45,000.0	9,900	2,300	760	340	150.0	29.00
LGD020	48 12 41	121 10 9	7,000	4,100	20,000.0	12,000	1,100	620	260	46.0	29.00
LGD021	48 12 40	121 9 57	4,100	4,800	25,000.0	8,200	1,800	760	290	80.0	29.00
LGD022	48 10 57	121 9 11	5,500	3,300	15,000.0	9,800	980	450	190	37.0	24.00
LGD023	48 10 20	121 8 50	12,000	4,700	24,000.0	18,000	1,600	990	260	70.0	55.00
LGD024	48 25 16	121 25 39	8,000	5,100	29,000.0	15,000	460	1,000	480	50.0	30.00
LGD025	48 25 18	121 24 32	5,400	4,300	24,000.0	13,000	250	610	400	37.0	L14.00
LGD026	48 24 50	121 23 28	7,900	4,600	24,000.0	14,000	420	800	490	37.0	22.00
LGD027	48 24 41	121 23 22	11,000	6,800	26,000.0	20,000	870	820	430	48.0	37.00
LGD028	48 24 48	121 21 38	9,000	3,700	25,000.0	17,000	1,600	450	290	68.0	29.00
LGD029	48 5 50	121 14 55	11,000	4,400	36,000.0	23,000	1,800	890	470	93.0	38.00
LGD030	48 5 55	121 14 52	6,400	4,400	18,000.0	13,000	1,400	730	250	40.0	25.00
LGD031	48 6 6	121 15 59	10,000	3,100	28,000.0	18,000	1,400	580	320	74.0	50.00
LGD032	48 6 13	121 15 55	5,200	3,200	22,000.0	10,000	1,400	830	420	44.0	23.00
LGD033	48 8 12	121 17 17	8,900	4,100	23,000.0	13,000	1,300	1,100	260	56.0	37.00
LGD034	48 8 15	121 17 28	8,100	3,900	22,000.0	11,000	1,000	740	380	50.0	33.00
LGD035	48 8 12	121 17 27	9,000	4,300	21,000.0	13,000	1,100	910	260	51.0	36.00
LGD036	48 8 58	121 16 43	6,700	3,600	18,000.0	9,500	930	880	230	43.0	27.00
LGD037	48 9 2	121 16 42	2,500	3,800	66,000.0	6,100	3,900	990	360	270.0	44.00
LGD038	48 5 55	121 4 0	1,500	4,200	25,000.0	5,000	1,500	670	240	100.0	L14.00
LGD039	48 5 46	121 3 59	3,800	5,300	21,000.0	7,300	1,300	750	210	76.0	24.00
LGD040	48 5 57	121 1 55	3,300	5,400	12,000.0	6,300	920	780	160	36.0	15.00
LGD041	48 6 4	121 1 23	5,200	6,400	14,000.0	7,000	1,100	780	200	39.0	18.00
LGD042	48 5 59	121 2 29	2,800	5,200	15,000.0	8,100	950	640	220	54.0	13.00
LGD043	48 6 48	121 2 43	2,000	4,600	48,000.0	7,200	3,100	720	250	200.0	32.00
LGD044	48 9 50	121 3 0	6,300	6,200	34,000.0	13,000	1,500	550	500	100.0	L13.00
LGD045	48 9 48	121 2 40	7,600	5,700	23,000.0	12,000	1,300	500	440	50.0	L6.80
LGD046	48 9 56	121 23 12	18,000	6,700	46,000.0	22,000	1,600	840	1,000	80.0	69.00
LGD047	48 9 58	121 23 12	17,000	11,000	38,000.0	28,000	2,400	820	500	110.0	50.00
LGD048	48 8 24	121 20 50	7,200	5,900	48,000.0	17,000	2,100	680	580	130.0	L10.00
LGD049	48 8 21	121 20 47	7,700	5,800	19,000.0	14,000	1,800	830	310	39.0	20.00
LGD050	48 7 35	121 20 40	7,700	5,700	43,000.0	16,000	940	570	710	92.0	<.25
LGD051	48 7 0	121 24 5	8,400	4,200	29,000.0	13,000	910	540	380	45.0	L17.00
LGD052	48 6 28	121 23 35	6,700	4,200	21,000.0	10,000	730	530	300	36.0	16.00
LGD053	48 6 24	121 23 20	9,000	4,100	24,000.0	9,700	890	490	300	41.0	20.00

Table 3. ICP analytical data from aqua–regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGD009	18.0	12.0	13.00	49.0	<.77	L7.6	<1.3	<.38	<.25	<3.8
LGD010	17.0	8.4	12.00	41.0	<.77	L5.1	<1.3	<.38	<.25	<3.8
LGD011	24.0	11.0	21.00	49.0	<.77	L7.5	<1.3	<.38	<.25	<3.8
LGD012	28.0	13.0	24.00	50.0	<.77	8.9	<1.3	<.38	<.25	<3.8
LGD013	39.0	16.0	26.00	61.0	<.77	12.0	<1.3	<.38	<.25	<3.8
LGD014	19.0	11.0	15.00	47.0	<.77	L7.8	<1.3	<.38	<.25	<3.8
LGD015	16.0	9.5	11.00	44.0	<.77	L7.4	<1.3	<.38	<.25	<3.8
LGD016	21.0	12.0	12.00	60.0	<.77	8.9	<1.3	<.38	<.25	<3.8
LGD017	19.0	14.0	11.00	52.0	<.77	11.0	<1.3	<.38	<.25	<3.8
LGD018	9.6	13.0	15.00	51.0	<.77	11.0	<1.3	<.38	<.25	<3.8
LGD019	17.0	19.0	6.50	59.0	<.77	17.0	<1.3	<.38	<.25	<3.8
LGD020	17.0	9.1	17.00	44.0	<.77	L7.1	<1.3	<.38	<.25	<3.8
LGD021	18.0	12.0	6.70	39.0	<.77	14.0	<1.3	<.38	<.25	<3.8
LGD022	13.0	7.1	13.00	33.0	<.77	L5.9	<1.3	<.38	<.25	<3.8
LGD023	41.0	18.0	31.00	59.0	L1.10	11.0	<1.3	<.38	<.25	<3.8
LGD024	25.0	22.0	20.00	54.0	L1.40	19.0	<1.3	<.38	<.25	<3.8
LGD025	12.0	16.0	11.00	46.0	L1.30	11.0	<1.3	<.38	<.25	<3.8
LGD026	11.0	15.0	6.30	45.0	L1.00	11.0	<1.3	<.38	<.25	<3.8
LGD027	19.0	19.0	12.00	51.0	L1.10	12.0	<1.3	<.38	<.25	<3.8
LGD028	24.0	19.0	39.00	50.0	L1.40	11.0	<1.3	<.38	<.25	<3.8
LGD029	22.0	20.0	28.00	70.0	L1.60	13.0	<1.3	<.38	<.25	13.0
LGD030	15.0	14.0	12.00	32.0	L1.40	L8.2	<1.3	<.38	<.25	<3.8
LGD031	28.0	17.0	19.00	64.0	L1.80	12.0	<1.3	<.38	<.25	L3.8
LGD032	13.0	9.1	8.10	33.0	<.77	8.7	<1.3	L.76	<.25	<3.8
LGD033	19.0	11.0	12.00	49.0	<.77	10.0	<1.3	<.38	<.25	<3.8
LGD034	25.0	12.0	17.00	42.0	L.96	11.0	<1.3	<.38	<.25	<3.8
LGD035	27.0	11.0	18.00	44.0	<.77	9.0	<1.3	<.38	<.25	<3.8
LGD036	19.0	8.1	9.80	35.0	<.77	L7.4	<1.3	<.38	<.25	<3.8
LGD037	25.0	25.0	<.18	83.0	<.77	21.0	<1.3	<.38	<.25	<3.8
LGD038	28.0	11.0	3.20	29.0	<.77	10.0	<1.3	<.38	<.25	<3.8
LGD039	21.0	9.0	10.00	25.0	<.77	8.4	<1.3	<.38	<.25	<3.8
LGD040	11.0	6.2	5.80	18.0	<.77	L5.9	<1.3	<.38	<.25	<3.8
LGD041	38.0	7.8	5.10	22.0	<.77	L7.9	<1.3	<.38	<.25	<3.8
LGD042	14.0	8.9	7.60	21.0	<.77	L7.2	<1.3	<.38	<.25	<3.8
LGD043	32.0	20.0	.71	53.0	<.77	16.0	<1.3	<.38	<.25	<3.8
LGD044	25.0	14.0	7.40	48.0	L.80	13.0	<1.3	<.38	<.25	<3.8
LGD045	29.0	11.0	15.00	39.0	<.77	9.5	<1.3	<.38	<.25	<3.8
LGD046	67.0	34.0	64.00	81.0	<.77	15.0	<1.3	<.38	<.25	<3.8
LGD047	30.0	24.0	34.00	71.0	<.77	15.0	<1.3	<.38	<.25	<3.8
LGD048	17.0	18.0	12.00	65.0	<.77	16.0	<1.3	<.38	<.25	<3.8
LGD049	13.0	9.3	11.00	36.0	<.77	L6.6	<1.3	<.38	<.25	<3.8
LGD050	10.0	15.0	18.00	63.0	<.77	14.0	<1.3	<.38	<.25	<3.8
LGD051	31.0	14.0	18.00	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD052	37.0	11.0	12.00	35.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD053	52.0	13.0	12.00	35.0	<.77	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGD009	<4.3	<.18	.170	21.0	90.0	7.60	11.0	1.300	3.30
LGD010	<4.3	<.18	.120	14.0	86.0	7.40	11.0	2.500	3.00
LGD011	<4.3	<.18	.110	11.0	130.0	10.00	16.0	6.000	3.10
LGD012	<4.3	<.18	.120	13.0	150.0	8.10	12.0	4.900	3.60
LGD013	<4.3	<.18	.170	20.0	140.0	5.10	L4.1	2.100	3.80
LGD014	<4.3	<.18	.140	22.0	120.0	6.00	7.4	3.300	3.40
LGD015	<4.3	<.18	.110	14.0	72.0	5.30	6.6	2.700	3.20
LGD016	<4.3	<.18	.160	17.0	95.0	4.10	<1.8	1.700	4.40
LGD017	<4.3	<.18	.092	27.0	78.0	4.10	L3.6	<.058	5.80
LGD018	<4.3	<.18	.210	33.0	62.0	3.60	<1.8	1.400	4.30
LGD019	<4.5	<.18	.110	30.0	46.0	4.70	5.3	<.058	7.10
LGD020	<4.3	<.18	.100	15.0	86.0	2.00	<1.8	.290	2.80
LGD021	<5.0	<.18	L.064	21.0	49.0	3.80	L4.0	.730	4.80
LGD022	<4.3	<.18	.085	11.0	71.0	1.20	<1.8	L.120	2.30
LGD023	<4.3	<.18	.130	16.0	170.0	2.70	<1.8	<.058	4.90
LGD024	L36.0	<.18	.310	19.0	110.0	7.90	14.0	.430	3.00
LGD025	94.0	<.18	.250	20.0	170.0	6.90	12.0	.650	2.30
LGD026	L31.0	<.18	.250	19.0	150.0	6.80	10.0	1.600	2.50
LGD027	<12.0	<.18	.270	21.0	70.0	5.00	4.5	.600	3.40
LGD028	<4.3	<.18	.140	11.0	150.0	3.20	<1.8	<.058	4.90
LGD029	<6.2	<.18	.180	24.0	130.0	5.30	L4.2	1.700	5.90
LGD030	<5.5	<.18	.120	25.0	81.0	4.70	6.2	1.900	3.70
LGD031	<4.3	<.18	.160	17.0	170.0	5.00	L4.3	.590	4.90
LGD032	<4.3	<.18	L.064	7.2	80.0	13.00	23.0	6.100	3.30
LGD033	<4.3	<.18	.150	13.0	91.0	4.50	L3.8	1.200	3.90
LGD034	L18.0	<.18	.160	13.0	60.0	5.40	6.3	1.700	3.50
LGD035	<5.4	<.18	.170	15.0	75.0	4.80	L4.5	1.300	3.50
LGD036	<5.7	<.18	.120	11.0	56.0	3.70	L3.5	1.200	3.00
LGD037	<6.0	<.18	L.063	15.0	25.0	5.60	6.2	<.058	12.00
LGD038	L9.2	<.18	L.061	34.0	16.0	5.00	8.4	<.058	5.00
LGD039	L10.0	<.18	L.063	30.0	43.0	3.20	L3.0	.330	3.80
LGD040	L11.0	<.18	L.075	27.0	34.0	3.10	L3.8	1.400	2.20
LGD041	L13.0	<.18	L.074	20.0	43.0	2.50	<1.8	.620	2.80
LGD042	<8.6	<.18	.089	45.0	31.0	4.10	6.4	.830	3.00
LGD043	<5.4	<.18	L.036	38.0	15.0	4.60	5.2	<.058	9.40
LGD044	L19.0	<.18	.280	56.0	17.0	6.30	8.0	<.058	5.10
LGD045	<12.0	<.18	.200	46.0	29.0	5.80	7.4	1.200	3.80
LGD046	<4.3	<.18	.400	19.0	87.0	9.30	9.0	1.400	4.90
LGD047	110.0	<.18	.220	39.0	64.0	3.10	<1.8	1.400	6.20
LGD048	<5.0	<.18	.220	22.0	44.0	4.10	L1.9	<.058	6.80
LGD049	<4.3	<.18	.150	22.0	93.0	3.40	<1.8	1.500	3.90
LGD050	<7.2	<.18	.260	20.0	41.0	4.30	L3.7	1.400	4.10
LGD051	<9.6	<.18	.160	21.0	42.0	4.60	L3.4	<.058	2.40
LGD052	<8.8	<.18	.140	25.0	47.0	4.80	5.4	.410	2.00
LGD053	<9.8	<.18	.130	21.0	41.0	4.80	L4.1	.220	2.40

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGD054	48 5 57	121 21 42	10,000	8,300	25,000.0	14,000	1,800	1,600	300	38.0	19.00
LGD055	48 5 42	121 20 4	11,000	7,900	35,000.0	21,000	2,100	970	510	61.0	25.00
LGD056	48 5 38	121 19 35	8,500	4,300	36,000.0	19,000	740	780	710	65.0	L18.00
LGD057	48 5 11	121 18 19	7,000	3,400	28,000.0	14,000	1,900	430	450	40.0	25.00
LGD058	48 4 44	121 18 44	7,900	3,700	27,000.0	13,000	1,200	740	350	53.0	32.00
LGD059	48 5 55	121 17 30	11,000	4,900	33,000.0	21,000	2,000	800	360	77.0	50.00
LGD060	48 5 59	121 17 14	12,000	4,900	34,000.0	18,000	1,500	1,300	290	87.0	54.00
LGD061	48 6 7	121 16 48	12,000	4,000	33,000.0	19,000	1,400	990	220	95.0	56.00
LGD062	48 6 8	121 16 40	5,200	3,500	14,000.0	9,200	800	680	200	34.0	21.00
LGD063	48 0 1	121 15 54	17,000	6,700	33,000.0	23,000	1,700	690	490	65.0	110.00
LGD064	48 0 1	121 15 49	11,000	7,100	32,000.0	18,000	1,900	650	390	57.0	45.00
LGD065	48 0 12	121 14 45	9,100	3,700	27,000.0	17,000	1,300	520	240	61.0	38.00
LGD066	48 1 31	121 17 4	7,800	4,700	32,000.0	13,000	1,300	890	380	55.0	26.00
LGD067	48 4 5	121 17 26	13,000	7,000	38,000.0	20,000	1,400	1,400	450	68.0	58.00
LGD068	48 4 38	121 17 54	7,600	4,500	37,000.0	14,000	2,700	740	540	68.0	32.00
LGD069	48 4 22	121 19 32	8,900	3,600	32,000.0	13,000	1,300	860	380	66.0	32.00
LGD070	48 4 23	121 19 33	14,000	4,300	30,000.0	18,000	1,800	760	330	71.0	65.00
LGD071	48 5 16	121 23 8	10,000	3,900	33,000.0	19,000	630	610	430	51.0	23.00
LGD072	48 4 48	121 23 30	16,000	5,000	33,000.0	15,000	1,200	970	380	61.0	27.00
LGD073	48 3 18	121 24 52	7,000	4,300	37,000.0	15,000	1,200	510	450	130.0	L12.00
LGD074	47 59 42	121 24 25	11,000	7,800	45,000.0	33,000	1,300	710	580	49.0	<.25
LGD075	48 7 57	121 12 14	1,400	4,200	32,000.0	6,000	2,100	660	170	120.0	<6.10
LGD076	48 7 48	121 12 4	1,800	5,200	16,000.0	7,200	990	540	150	53.0	L3.30
LGD077	48 9 8	121 11 10	4,000	3,000	17,000.0	13,000	1,500	390	180	44.0	12.00
LGD078	48 8 20	121 9 34	3,200	4,100	17,000.0	9,800	1,400	460	140	55.0	13.00
LGD079	48 6 49	121 9 44	2,400	5,500	39,000.0	7,300	2,800	700	210	160.0	L15.00
LGD080	48 5 12	121 8 32	2,400	5,100	15,000.0	8,400	1,100	490	180	51.0	L9.00
LGD081	48 4 19	121 9 46	9,700	4,900	27,000.0	13,000	1,000	970	360	47.0	25.00
LGD082	48 4 20	121 9 53	5,300	4,100	31,000.0	10,000	950	1,200	500	47.0	L8.80
LGD083	48 3 12	121 16 2	16,000	6,300	53,000.0	31,000	2,000	890	420	95.0	42.00
LGD084	48 2 46	121 15 6	10,000	3,800	38,000.0	18,000	910	1,200	480	74.0	29.00
LGD085	48 2 31	121 14 29	13,000	6,400	39,000.0	23,000	1,700	970	640	77.0	51.00
LGD086	47 59 36	121 8 34	7,200	4,500	42,000.0	13,000	730	1,400	840	68.0	<5.90
LGD087	47 59 37	121 8 36	5,100	3,700	51,000.0	10,000	160	1,100	1,400	47.0	<.25
LGD088	47 59 54	121 8 26	8,400	2,900	33,000.0	13,000	520	690	490	57.0	L12.00
LGD089	48 3 48	121 13 22	6,900	4,400	23,000.0	12,000	1,400	830	240	51.0	30.00
LGD090	48 2 55	121 12 48	9,000	4,000	28,000.0	15,000	1,500	770	320	60.0	39.00
LGD091	48 1 5	121 12 43	10,000	4,200	34,000.0	20,000	1,500	680	410	77.0	35.00
LGD092	48 1 58	121 11 56	8,200	3,400	26,000.0	12,000	820	740	400	45.0	35.00
LGD093	48 1 43	121 11 26	9,900	4,500	36,000.0	15,000	750	1,500	440	63.0	35.00
LGD094	48 1 43	121 11 18	6,700	3,400	37,000.0	12,000	1,100	980	640	69.0	L11.00
LGD095	48 4 32	121 10 32	7,100	3,800	31,000.0	14,000	1,800	750	260	68.0	24.00
LGD096	48 2 27	121 13 17	8,200	4,600	27,000.0	16,000	1,200	720	470	53.0	31.00
LGD097	47 59 9	121 11 30	9,200	4,200	32,000.0	18,000	2,300	650	410	70.0	28.00
LGD098	47 59 37	121 12 38	11,000	5,500	34,000.0	24,000	1,800	710	450	71.0	39.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGD054	17.0	13.0	12.00	48.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD055	27.0	17.0	16.00	61.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD056	29.0	16.0	22.00	88.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD057	19.0	11.0	8.10	36.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD058	24.0	12.0	14.00	49.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD059	38.0	17.0	22.00	82.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD060	47.0	18.0	33.00	77.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD061	42.0	18.0	34.00	81.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD062	13.0	7.3	8.80	34.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD063	94.0	22.0	28.00	62.0	<.77	<3.3	L1.6	<.38	<.25	<3.8
LGD064	35.0	16.0	13.00	52.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD065	30.0	14.0	18.00	68.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD066	25.0	15.0	15.00	55.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD067	28.0	18.0	33.00	65.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD068	24.0	16.0	13.00	60.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD069	25.0	15.0	15.00	62.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD070	73.0	18.0	19.00	66.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD071	39.0	17.0	18.00	66.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD072	81.0	18.0	22.00	58.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD073	25.0	15.0	32.00	51.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGD074	28.0	25.0	68.00	88.0	L.86	<3.3	<1.3	<.38	<.25	L4.7
LGD075	14.0	13.0	2.50	36.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD076	10.0	9.6	4.50	18.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD077	12.0	8.8	8.60	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD078	16.0	8.9	11.00	32.0	<.77	<3.3	<1.3	<.38	<.25	L4.9
LGD079	21.0	17.0	3.90	41.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD080	13.0	8.4	7.00	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD081	34.0	14.0	16.00	48.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD082	19.0	12.0	16.00	42.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD083	30.0	25.0	38.00	77.0	L1.30	<3.3	<1.3	<.38	<.25	<3.8
LGD084	43.0	21.0	47.00	90.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD085	51.0	20.0	29.00	75.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD086	32.0	19.0	45.00	120.0	<.77	<3.3	<1.3	<.38	<.25	16.0
LGD087	24.0	19.0	72.00	370.0	L1.90	<3.3	L2.2	.95	L1.10	78.0
LGD088	36.0	16.0	40.00	76.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD089	26.0	10.0	14.00	51.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD090	30.0	14.0	15.00	60.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD091	32.0	16.0	22.00	74.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD092	38.0	13.0	21.00	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD093	56.0	19.0	33.00	65.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD094	27.0	15.0	28.00	110.0	L.84	<3.3	<1.3	<.38	<.25	12.0
LGD095	26.0	12.0	14.00	54.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD096	43.0	13.0	24.00	56.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD097	25.0	14.0	14.00	77.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD098	34.0	16.0	20.00	67.0	<.77	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGD054	<4.3	<.18	.130	19.0	86.0	4.90	L4.4	1.100	3.60
LGD055	<4.3	<.18	.240	25.0	110.0	5.20	L3.4	<.058	4.40
LGD056	L45.0	<.18	.310	21.0	97.0	6.20	7.6	1.700	2.90
LGD057	<4.3	<.18	L.067	15.0	89.0	6.10	6.5	4.500	3.70
LGD058	<16.0	<.18	.140	14.0	71.0	5.70	5.7	2.000	3.30
LGD059	<4.3	<.18	.250	22.0	130.0	6.70	5.7	1.000	5.00
LGD060	<4.3	<.18	.160	18.0	200.0	7.30	7.3	2.000	4.30
LGD061	<4.3	<.18	.190	17.0	200.0	5.70	L2.8	<.058	4.50
LGD062	<8.5	<.18	L.072	18.0	69.0	3.20	L3.1	2.200	2.10
LGD063	<4.3	<.18	.210	24.0	84.0	8.30	7.9	.770	4.10
LGD064	<4.3	<.18	.210	22.0	98.0	6.20	4.9	.730	4.10
LGD065	<12.0	<.18	.220	17.0	130.0	5.40	L4.5	.520	3.80
LGD066	L37.0	<.18	.160	16.0	94.0	5.60	5.6	1.900	3.40
LGD067	76.0	<.18	.160	27.0	200.0	5.00	L2.0	1.400	3.90
LGD068	<8.0	<.18	L.060	14.0	72.0	6.00	5.9	2.900	5.30
LGD069	50.0	<.18	.160	12.0	76.0	5.00	L4.1	.870	3.80
LGD070	<4.3	<.18	.190	15.0	140.0	6.00	L3.5	.650	4.90
LGD071	<4.3	<.18	.290	20.0	51.0	5.90	5.4	<.058	2.60
LGD072	<17.0	<.18	.230	21.0	75.0	5.30	<1.8	<.058	3.70
LGD073	L48.0	<.18	.190	19.0	68.0	5.00	L4.3	<.058	5.50
LGD074	<4.3	<.18	.440	62.0	63.0	7.10	6.8	<.058	3.60
LGD075	L10.0	<.18	<.033	36.0	14.0	4.40	6.1	<.058	5.90
LGD076	L15.0	<.18	L.049	52.0	14.0	4.80	8.6	.730	2.80
LGD077	<7.2	<.18	.170	21.0	55.0	2.90	L2.6	L.130	3.50
LGD078	37.0	<.18	.110	40.0	34.0	4.00	5.2	<.058	3.50
LGD079	L13.0	<.18	<.033	48.0	13.0	5.10	7.4	<.058	7.50
LGD080	L13.0	<.18	L.074	53.0	30.0	4.30	6.7	.800	2.80
LGD081	<11.0	<.18	.130	25.0	75.0	7.50	9.7	3.800	2.80
LGD082	L14.0	<.18	L.076	12.0	54.0	12.00	19.0	8.000	2.60
LGD083	<31.0	<.18	.260	47.0	190.0	5.70	<1.8	<.058	5.00
LGD084	110.0	<.18	.240	13.0	190.0	8.20	10.0	2.300	3.50
LGD085	<4.3	<.18	.270	25.0	150.0	10.00	12.0	5.100	4.60
LGD086	L32.0	<.18	.250	22.0	150.0	9.50	15.0	2.600	2.90
LGD087	59.0	<.18	.280	24.0	74.0	7.90	13.0	<.058	1.60
LGD088	L16.0	<.18	.250	15.0	150.0	7.10	9.7	1.100	2.40
LGD089	L16.0	<.18	.110	16.0	76.0	5.10	5.8	1.600	3.40
LGD090	<13.0	<.18	.140	16.0	93.0	6.40	6.9	1.400	3.90
LGD091	<4.3	<.18	.320	22.0	140.0	6.30	5.6	.720	4.40
LGD092	<9.5	<.18	.150	12.0	84.0	7.70	11.0	5.100	2.50
LGD093	<8.3	<.18	.190	18.0	110.0	11.00	16.0	5.900	2.90
LGD094	L17.0	<.18	.190	15.0	84.0	8.20	12.0	2.600	3.30
LGD095	<12.0	<.18	.130	23.0	88.0	6.30	7.4	.710	4.10
LGD096	<4.6	<.18	.220	19.0	120.0	8.10	10.0	4.200	3.10
LGD097	<14.0	<.18	.210	20.0	82.0	6.80	6.6	1.300	5.30
LGD098	<4.3	<.18	.270	24.0	140.0	7.60	7.4	4.700	4.50

Table 3. ICP analytical data from aqua regia–leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGD099	47 59 42	121 12 43	7,600	3,500	38,000.0	15,000	1,500	640	450	76.0	33.00
LGD100	47 59 44	121 13 54	11,000	6,200	34,000.0	19,000	1,700	820	430	63.0	50.00
LGD101	48 7 55	121 16 35	6,100	5,400	28,000.0	11,000	2,400	1,600	260	50.0	L17.00
LGD102	48 11 51	121 17 17	5,000	5,400	26,000.0	11,000	1,500	1,400	450	49.0	L14.00
LGD103	48 11 50	121 17 20	8,100	9,300	31,000.0	16,000	1,800	1,500	570	57.0	L17.00
LGD104	48 11 43	121 13 59	5,200	3,600	21,000.0	11,000	1,500	890	300	41.0	20.00
LGD105	48 11 42	121 13 51	4,400	3,200	18,000.0	7,900	1,200	850	250	39.0	16.00
LGD106	48 8 9	121 15 12	5,000	3,700	17,000.0	9,700	1,400	780	250	35.0	28.00
LGD107	48 8 10	121 15 17	6,400	3,800	32,000.0	13,000	2,300	590	380	70.0	22.00
LGD108	48 11 10	121 13 40	6,400	3,600	29,000.0	13,000	2,000	680	380	56.0	19.00
LGD109	48 11 17	121 13 25	4,600	3,300	23,000.0	7,800	1,300	820	290	48.0	15.00
LGD110	48 10 8	121 4 28	1,400	4,300	20,000.0	5,600	1,300	580	130	77.0	L12.00
LGD111	48 10 8	121 4 9	1,700	3,000	38,000.0	5,800	2,000	560	240	140.0	L19.00
LGD112	48 12 9	121 19 30	8,000	4,000	30,000.0	14,000	1,600	910	380	61.0	35.00
LGD113	48 20 5	121 9 41	11,000	3,800	22,000.0	11,000	1,300	670	260	30.0	43.00
LGD114	48 20 7	121 9 36	5,400	4,000	18,000.0	8,600	1,400	810	210	24.0	16.00
LGD115	48 19 47	121 9 25	7,900	3,600	18,000.0	7,600	1,300	680	230	24.0	25.00
LGD116	48 19 43	121 9 15	6,700	4,400	39,000.0	6,800	1,300	690	190	190.0	56.00
LGD117	48 19 11	121 9 41	8,100	4,200	25,000.0	8,600	1,300	690	210	78.0	35.00
LGD118	48 18 43	121 10 24	6,700	3,900	36,000.0	7,300	1,400	650	210	150.0	46.00
LGD119	48 18 19	121 11 12	6,500	4,000	23,000.0	7,000	1,100	630	180	82.0	29.00
LGD120	48 17 32	121 12 0	6,400	4,200	28,000.0	7,100	1,200	680	190	110.0	35.00
LGD121	48 9 5	121 4 33	1,800	2,400	36,000.0	6,600	1,800	430	250	110.0	L8.60
LGD122	48 9 25	121 5 10	2,000	4,800	33,000.0	6,300	1,900	740	190	130.0	L17.00
LGD123	48 2 27	121 3 2	5,500	3,800	11,000.0	7,500	870	640	130	30.0	25.00
LGD124	48 1 36	121 1 33	8,600	2,300	20,000.0	13,000	1,300	650	120	62.0	35.00
LGD125	48 6 38	121 2 0	2,300	3,700	36,000.0	5,700	2,200	650	200	130.0	L12.00
LGD126	48 7 32	121 2 22	1,500	4,500	69,000.0	4,200	3,900	1,200	320	300.0	L27.00
LGD127	48 12 11	121 4 31	3,300	3,500	17,000.0	6,700	870	540	230	42.0	L5.70
LGD128	48 12 32	121 7 44	7,700	5,400	23,000.0	13,000	1,900	870	330	39.0	38.00
LGD129	48 10 36	121 7 20	13,000	4,100	34,000.0	6,900	2,200	690	340	110.0	L16.00
LGD130	48 13 32	121 0 58	2,900	3,100	21,000.0	6,800	1,700	670	230	53.0	L8.60
LGD131	48 13 36	121 0 32	3,100	3,300	21,000.0	7,400	1,700	620	260	56.0	L8.60
LGD132	48 13 39	121 0 34	2,700	2,500	11,000.0	7,100	1,200	460	160	27.0	11.00
LGD133	48 12 56	120 56 43	7,900	3,100	37,000.0	15,000	1,600	650	800	55.0	L16.00
LGD134	48 14 28	120 57 11	5,500	4,100	28,000.0	11,000	1,500	770	350	63.0	<5.60
LGD135	48 10 56	120 55 59	4,100	3,700	17,000.0	7,800	620	620	230	50.0	L8.00
LGD136	48 11 25	120 57 12	1,500	3,200	34,000.0	6,700	2,200	520	220	100.0	<.25
LGD137	48 11 22	120 57 4	3,200	3,500	16,000.0	6,600	660	870	230	45.0	L7.80
LGD138	48 18 49	121 17 6	3,900	2,800	31,000.0	7,000	830	560	160	74.0	L6.30
LGD139	48 18 41	121 16 53	7,400	3,900	19,000.0	11,000	1,300	750	220	44.0	22.00
LGD140	48 18 44	121 16 52	5,900	2,700	20,000.0	7,400	1,300	520	190	35.0	20.00
LGD141	48 18 36	121 17 10	5,100	3,500	17,000.0	8,200	1,200	590	240	36.0	15.00
LGD142	48 18 12	121 17 30	4,500	2,900	23,000.0	7,500	810	570	150	47.0	L8.80
LGD143	48 18 17	121 17 29	4,900	3,400	32,000.0	8,200	1,000	610	200	68.0	L12.00

Table 3. ICP analytical data from aqua regia-leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGD099	36.0	17.0	20.00	79.0	L.95	<3.3	<1.3	<.38	<.25	<3.8
LGD100	23.0	18.0	15.00	71.0	L1.00	<3.3	<1.3	<.38	<.25	<3.8
LGD101	15.0	12.0	5.60	54.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD102	16.0	12.0	12.00	52.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD103	20.0	16.0	20.00	66.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD104	16.0	9.0	10.00	50.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD105	13.0	6.9	7.40	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD106	17.0	8.3	9.00	49.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD107	19.0	14.0	8.50	71.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD108	18.0	12.0	11.00	62.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD109	14.0	11.0	7.90	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD110	13.0	10.0	4.70	22.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD111	18.0	15.0	2.10	48.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD112	28.0	13.0	19.00	68.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD113	55.0	15.0	60.00	49.0	2.60	<3.3	<1.3	<.38	<.25	<3.8
LGD114	15.0	11.0	27.00	49.0	2.40	<3.3	<1.3	<.38	<.25	<3.8
LGD115	39.0	12.0	41.00	40.0	2.50	<3.3	<1.3	<.38	<.25	<3.8
LGD116	39.0	15.0	12.00	24.0	L.81	<3.3	<1.3	<.38	<.25	<3.8
LGD117	45.0	11.0	28.00	33.0	L.98	<3.3	<1.3	<.38	<.25	<3.8
LGD118	35.0	13.0	19.00	30.0	L1.20	<3.3	<1.3	<.38	<.25	<3.8
LGD119	32.0	11.0	17.00	27.0	L.85	<3.3	<1.3	<.38	<.25	<3.8
LGD120	34.0	13.0	17.00	28.0	L1.40	<3.3	<1.3	<.38	<.25	<3.8
LGD121	15.0	16.0	4.80	46.0	L1.50	<3.3	<1.3	<.38	<.25	<3.8
LGD122	19.0	13.0	4.80	32.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD123	14.0	7.3	6.70	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD124	28.0	11.0	18.00	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD125	16.0	14.0	1.40	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD126	24.0	28.0	<.18	76.0	L.93	<3.3	<1.3	<.38	<.25	<3.8
LGD127	15.0	7.9	8.00	37.0	<.77	<3.3	<1.3	<.38	<.25	L4.2
LGD128	21.0	11.0	7.80	81.0	<.77	<3.3	<1.3	<.38	<.25	L6.7
LGD129	120.0	18.0	9.40	54.0	<.77	<3.3	<1.3	1.70	<.25	<3.8
LGD130	11.0	8.7	8.30	39.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD131	12.0	8.7	14.00	41.0	<.77	<3.3	<1.3	<.38	<.25	L5.7
LGD132	8.3	L3.8	5.20	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD133	28.0	19.0	94.00	140.0	<.77	<3.3	<1.3	<.38	<.25	43.0
LGD134	13.0	11.0	64.00	56.0	<.77	<3.3	<1.3	<.38	<.25	14.0
LGD135	12.0	8.0	50.00	29.0	L.89	<3.3	<1.3	<.38	<.25	<3.8
LGD136	8.8	13.0	45.00	55.0	<.77	9.3	<1.3	<.38	<.25	L4.2
LGD137	8.4	6.4	20.00	21.0	L.79	<3.3	<1.3	<.38	<.25	<3.8
LGD138	7.5	8.6	21.00	26.0	3.10	<3.3	<1.3	<.38	<.25	<3.8
LGD139	17.0	8.1	15.00	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD140	24.0	7.7	33.00	43.0	2.50	<3.3	<1.3	<.38	<.25	<3.8
LGD141	13.0	7.8	8.50	34.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD142	14.0	7.3	20.00	34.0	L1.20	<3.3	<1.3	<.38	<.25	<3.8
LGD143	13.0	8.6	18.00	36.0	L1.20	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGD099	<4.3	<.18	.210	15.0	110.0	9.10	13.0	2.300	4.10
LGD100	L40.0	<.18	.240	20.0	130.0	8.70	10.0	2.100	4.40
LGD101	<12.0	<.18	.100	19.0	79.0	5.60	7.4	.830	4.70
LGD102	<8.8	<.18	.130	18.0	73.0	11.00	18.0	6.400	3.50
LGD103	<9.9	<.18	.270	50.0	80.0	8.40	11.0	6.600	4.10
LGD104	<9.8	<.18	.150	16.0	74.0	7.10	10.0	3.300	3.30
LGD105	L11.0	<.18	L.065	9.4	58.0	3.00	L2.7	2.200	2.60
LGD106	<10.0	<.18	.110	16.0	55.0	4.20	4.6	1.400	2.90
LGD107	<7.6	<.18	.110	16.0	97.0	4.70	L3.9	.290	5.00
LGD108	<5.3	<.18	.150	17.0	91.0	7.60	10.0	2.200	4.40
LGD109	L13.0	<.18	L.055	9.0	54.0	3.00	L2.4	1.900	3.10
LGD110	L11.0	<.18	<.033	40.0	12.0	4.80	8.7	L.075	4.00
LGD111	L9.8	<.18	.120	30.0	27.0	4.80	6.8	<.058	6.20
LGD112	<7.5	<.18	.130	14.0	120.0	6.30	6.4	2.000	3.80
LGD113	L13.0	<.18	.140	13.0	90.0	2.20	<1.8	<.058	3.50
LGD114	L15.0	<.18	.120	17.0	64.0	3.70	L3.8	<.058	3.40
LGD115	L19.0	<.18	.100	12.0	58.0	2.80	<1.8	L.140	3.50
LGD116	L16.0	<.18	<.033	18.0	36.0	4.20	L3.3	<.058	7.90
LGD117	L12.0	<.18	.084	17.0	57.0	3.20	<1.8	<.058	4.60
LGD118	L16.0	<.18	L.048	16.0	43.0	3.50	L1.9	<.058	7.00
LGD119	L15.0	<.18	L.067	16.0	40.0	3.40	L2.9	<.058	4.50
LGD120	L15.0	<.18	L.060	16.0	41.0	3.60	L3.0	<.058	5.60
LGD121	L12.0	<.18	.230	28.0	77.0	5.80	9.5	<.058	5.50
LGD122	L12.0	<.18	<.033	43.0	14.0	5.70	9.7	<.058	6.10
LGD123	L14.0	<.18	L.067	17.0	61.0	2.50	<1.8	.450	2.20
LGD124	<8.8	<.18	L.072	9.0	180.0	4.10	L2.0	<.058	3.70
LGD125	L11.0	<.18	<.033	30.0	19.0	3.60	L4.3	<.058	6.30
LGD126	L14.0	<.18	<.033	28.0	6.3	7.20	11.0	<.058	13.00
LGD127	L18.0	<.18	.160	36.0	26.0	5.70	10.0	1.100	2.50
LGD128	<14.0	<.18	.160	40.0	72.0	3.60	<1.8	<.058	4.30
LGD129	L28.0	<.18	L.067	36.0	27.0	5.70	L4.3	<.058	6.30
LGD130	70.0	<.18	.082	16.0	40.0	3.30	L3.6	.440	4.20
LGD131	110.0	<.18	.092	20.0	43.0	3.30	L3.2	L.140	4.20
LGD132	41.0	<.18	.096	16.0	37.0	2.70	L2.6	1.200	3.00
LGD133	1,300.0	<.18	.280	21.0	150.0	10.00	14.0	1.700	4.30
LGD134	230.0	<.18	.140	23.0	72.0	4.90	4.6	.540	4.10
LGD135	63.0	<.18	.110	20.0	64.0	4.80	6.6	2.400	2.60
LGD136	130.0	<.18	L.055	25.0	21.0	3.50	L3.6	<.058	5.80
LGD137	61.0	<.18	L.071	14.0	47.0	3.80	5.2	3.300	2.50
LGD138	L9.3	<.18	L.071	15.0	61.0	2.70	<1.8	<.058	3.60
LGD139	<10.0	<.18	L.074	10.0	130.0	1.50	<1.8	<.058	3.00
LGD140	L12.0	<.18	L.070	10.0	61.0	2.00	<1.8	<.058	3.10
LGD141	L13.0	<.18	L.054	7.8	79.0	1.40	<1.8	.610	2.80
LGD142	<7.4	<.18	L.064	12.0	76.0	2.10	<1.8	<.058	2.30
LGD143	<8.6	<.18	L.061	12.0	79.0	2.40	<1.8	<.058	3.20

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGD144	48 17 34	121 18 17	3,800	3,000	27,000.0	6,200	720	650	170	60.0	L11.00
LGD145	48 5 42	120 57 33	1,200	3,000	38,000.0	5,100	2,300	500	180	130.0	L9.30
LGD146	48 5 5	120 56 2	2,900	3,300	60,000.0	6,600	3,500	670	310	220.0	L30.00
LGD147	48 4 3	120 57 31	6,500	3,300	13,000.0	4,800	730	570	200	14.0	39.00
LGD148	48 3 28	120 56 22	8,900	5,000	19,000.0	9,200	1,500	1,100	240	20.0	32.00
LGD149	48 7 16	120 58 22	1,800	3,000	29,000.0	4,800	1,800	540	160	86.0	L7.50
LGD150	48 8 12	121 0 0	4,800	5,300	29,000.0	8,100	1,700	1,200	260	73.0	21.00
LGD297	48 18 13	121 5 11	30,000	2,100	54,000.0	4,300	1,100	290	400	170.0	80.00
LGD297	48 18 13	121 5 11	84,000	2,200	52,000.0	4,300	1,100	290	380	160.0	76.00
LGD298	48 15 12	121 5 33	4,600	5,700	21,000.0	11,000	1,600	960	260	29.0	<4.00
LGD299	48 16 38	121 4 24	6,200	6,700	21,000.0	12,000	1,100	1,200	470	22.0	L11.00
LGD300	48 16 56	121 6 9	7,400	5,600	22,000.0	13,000	1,500	760	310	33.0	32.00
LGD301	48 16 45	121 6 1	5,000	6,600	24,000.0	12,000	1,700	1,200	260	34.0	L8.80
LGD302	48 15 52	121 1 32	9,500	6,100	22,000.0	13,000	1,400	1,400	270	25.0	50.00
LGD303	48 16 29	121 2 5	4,600	5,100	21,000.0	11,000	720	560	260	49.0	<.25
LGD304	48 14 35	120 44 56	6,800	12,000	50,000.0	21,000	1,800	810	280	140.0	<.25
LGD305	48 15 0	120 44 48	5,500	10,000	29,000.0	18,000	1,300	640	260	72.0	<.25
LGD306	48 15 32	120 44 43	5,300	4,900	30,000.0	9,300	750	990	360	58.0	L6.70
LGD307	48 15 55	120 44 27	4,500	2,700	24,000.0	8,800	550	610	320	35.0	<.25
LGD308	48 15 52	120 44 24	4,700	6,600	29,000.0	12,000	1,300	620	300	61.0	<.25
LGD309	48 13 13	121 12 11	9,300	6,000	29,000.0	19,000	1,600	1,200	360	63.0	23.00
LGD310	48 8 4	121 3 7	1,600	5,300	28,000.0	5,400	1,400	720	160	98.0	<1.70
LGD311	48 10 27	121 2 8	5,800	6,500	27,000.0	12,000	1,200	560	460	62.0	<.25
LGD312	48 10 54	121 3 8	1,200	4,800	24,000.0	6,000	1,400	640	150	93.0	<4.60
LGD313	48 11 57	121 3 59	2,200	7,400	24,000.0	11,000	1,700	600	200	68.0	<.25
LGD314	48 20 57	121 9 49	5,200	4,500	20,000.0	11,000	1,100	1,100	210	15.0	<2.10
LGD315	48 20 55	121 9 55	3,800	2,800	14,000.0	7,500	910	580	140	15.0	L4.70
LGD316	48 20 33	121 9 38	6,000	5,100	21,000.0	11,000	1,700	900	260	24.0	14.00
LGD317	48 15 48	120 47 34	3,400	7,300	29,000.0	14,000	1,100	700	210	72.0	<.25
LGD318	48 15 49	120 47 27	8,800	12,000	67,000.0	18,000	1,200	2,500	360	150.0	<.25
LGD319	48 15 52	120 47 22	7,800	8,800	38,000.0	17,000	740	1,000	790	66.0	L8.70
LGD320	48 16 9	120 47 22	6,000	4,400	23,000.0	11,000	690	670	390	27.0	<.25
LGD321	48 16 11	120 47 25	8,800	13,000	43,000.0	27,000	1,600	1,100	520	100.0	<.25
LGD322	48 16 34	120 47 25	4,100	3,100	22,000.0	8,000	410	620	350	25.0	<.25
LGD323	48 17 11	120 47 34	3,400	4,200	27,000.0	11,000	1,800	450	240	56.0	<.25
LGD324	48 17 34	120 47 51	6,100	6,400	56,000.0	13,000	1,500	810	310	150.0	<.25
LGD325	48 18 32	120 47 18	7,600	6,800	27,000.0	13,000	2,100	1,500	280	47.0	19.00
LGD326	48 13 18	120 56 3	3,400	3,200	27,000.0	9,900	1,200	530	390	57.0	<.25
LGD327	48 13 18	120 56 0	3,100	3,900	34,000.0	11,000	1,600	500	370	100.0	<.25
LGD328	48 13 28	120 55 53	2,200	3,600	29,000.0	9,400	1,700	340	220	90.0	<.25
LGD329	48 9 47	121 0 9	6,200	6,700	34,000.0	11,000	1,700	1,000	310	100.0	L7.50
LGD330	48 14 41	120 54 14	4,800	4,600	21,000.0	9,700	840	450	220	56.0	<1.30
LGD331	48 19 55	121 13 28	8,400	2,600	26,000.0	9,900	980	520	210	24.0	19.00
LGD332	48 19 50	121 13 30	7,800	5,400	24,000.0	13,000	1,800	710	330	35.0	27.00
LGD333	48 12 13	120 52 30	3,000	4,500	27,000.0	10,000	1,200	550	150	69.0	<.25

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGD144	13.0	6.8	14.00	30.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD145	13.0	11.0	<.18	53.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD146	26.0	21.0	7.30	76.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD147	180.0	12.0	42.00	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD148	58.0	11.0	23.00	41.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD149	12.0	10.0	<.18	52.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD150	21.0	10.0	7.60	54.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD297	710.0	53.0	6.80	50.0	7.00	<3.3	<1.3	<.38	L2.10	<3.8
LGD297	690.0	54.0	6.90	46.0	<.77	<3.3	<1.3	<.38	L1.70	<3.8
LGD298	10.0	8.1	1.90	61.0	<.77	<3.3	<1.3	<.38	<.27	<3.8
LGD299	13.0	9.8	4.60	82.0	<.77	<3.3	<1.3	<.38	L.49	<3.8
LGD300	38.0	12.0	16.00	46.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD301	10.0	9.3	2.40	65.0	<.77	<3.3	<1.3	<.38	<.27	<3.8
LGD302	30.0	12.0	7.70	64.0	<.77	<3.3	<1.3	<.38	<.32	<3.8
LGD303	3.8	8.0	12.00	31.0	<.77	<3.3	<1.3	<.38	L.46	<3.8
LGD304	12.0	19.0	12.00	45.0	<.77	<3.3	<1.3	<.38	L1.00	<3.8
LGD305	10.0	12.0	11.00	41.0	<.77	<3.3	<1.3	<.38	L.66	<3.8
LGD306	13.0	12.0	10.00	47.0	<.77	<3.3	<1.3	<.38	L.89	<3.8
LGD307	6.9	9.0	5.70	47.0	<.77	<3.3	<1.3	<.38	L.60	<3.8
LGD308	8.3	11.0	5.90	44.0	<.77	<3.3	<1.3	<.38	L.58	<3.8
LGD309	24.0	15.0	28.00	82.0	<.77	<3.3	<1.3	<.38	L.58	<3.8
LGD310	12.0	10.0	3.60	31.0	<.77	<3.3	<1.3	<.38	<.29	<3.8
LGD311	14.0	12.0	9.20	45.0	<.77	<3.3	<1.3	<.38	L.55	<3.8
LGD312	12.0	9.5	3.90	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD313	7.7	8.5	3.30	33.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD314	9.2	7.9	9.60	74.0	<.77	<3.3	<1.3	<.38	L.36	<3.8
LGD315	8.8	L5.2	63.00	30.0	7.10	<3.3	<1.3	<.38	L.28	<3.8
LGD316	18.0	11.0	21.00	56.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD317	6.5	10.0	12.00	33.0	<.77	<3.3	<1.3	<.38	L.68	<3.8
LGD318	17.0	26.0	18.00	76.0	<.77	<3.3	<1.3	<.38	3.00	<3.8
LGD319	18.0	19.0	27.00	350.0	L1.70	<3.3	<1.3	<.38	3.90	20.0
LGD320	6.7	9.4	5.00	50.0	<.77	<3.3	<1.3	<.38	L.57	<3.8
LGD321	23.0	22.0	27.00	61.0	<.77	<3.3	<1.3	<.38	L1.20	<3.8
LGD322	5.5	8.2	4.30	48.0	<.77	<3.3	<1.3	<.38	L.52	<3.8
LGD323	8.8	9.8	9.70	47.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD324	10.0	20.0	7.50	60.0	<.77	<3.3	<1.3	<.38	L1.10	<3.8
LGD325	21.0	13.0	9.10	63.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD326	11.0	11.0	34.00	79.0	<.77	<3.3	<1.3	<.38	L.83	14.0
LGD327	7.1	11.0	33.00	67.0	L1.20	<3.3	<1.3	<.38	L.98	<3.8
LGD328	4.7	8.4	13.00	53.0	<.77	<3.3	<1.3	<.38	<.25	L8.6
LGD329	12.0	13.0	6.90	56.0	<.77	<3.3	<1.3	<.38	L.74	<3.8
LGD330	9.0	7.9	20.00	39.0	<.77	<3.3	<1.3	<.38	L.51	<3.8
LGD331	45.0	11.0	160.00	57.0	9.50	<3.3	<1.3	<.38	L.63	<3.8
LGD332	33.0	14.0	18.00	68.0	L1.20	<3.3	<1.3	<.38	<.31	<3.8
LGD333	6.6	9.0	39.00	33.0	L.94	<3.3	<1.3	<.38	L.50	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGD144	<7.3	<.18	L.047	9.1	59.0	2.20	<1.8	<.058	2.60
LGD145	<4.5	<.18	<.033	24.0	12.0	3.20	L2.6	<.058	6.00
LGD146	<8.5	<.18	<.033	18.0	29.0	4.00	L1.9	<.058	9.60
LGD147	L12.0	<.18	L.056	8.3	72.0	2.10	<1.8	.380	1.50
LGD148	L14.0	<.18	.086	16.0	120.0	4.20	L1.9	<.058	2.80
LGD149	L8.9	<.18	<.033	23.0	21.0	4.10	4.6	<.058	4.90
LGD150	L29.0	<.18	L.078	25.0	67.0	4.20	L3.2	<.058	4.40
LGD297	L18.0	<.18	<.033	7.9	24.0	2.30	<1.8	<.058	8.90
LGD297	<4.3	<.18	<.033	7.9	24.0	2.10	<1.8	<.058	2.80
LGD298	<4.3	<.18	.140	28.0	44.0	3.50	L3.5	<.058	3.00
LGD299	<7.1	<.18	.330	32.0	73.0	8.20	12.0	.490	2.30
LGD300	<4.3	<.18	.210	18.0	74.0	3.60	L2.4	<.058	2.80
LGD301	<4.3	<.18	.160	27.0	56.0	4.10	L4.0	<.058	2.90
LGD302	<4.3	<.18	.200	25.0	130.0	4.40	L2.2	<.058	1.80
LGD303	<4.3	<.18	.084	22.0	75.0	4.70	5.7	.240	1.10
LGD304	<4.3	<.18	.110	77.0	45.0	3.40	<1.8	<.058	2.70
LGD305	<4.3	<.18	.140	66.0	48.0	3.50	<1.8	<.058	2.00
LGD306	<4.3	<.18	.250	20.0	80.0	10.00	17.0	1.500	1.40
LGD307	<8.2	<.18	.220	15.0	53.0	14.00	25.0	3.800	.95
LGD308	<4.3	<.18	.170	41.0	65.0	8.80	13.0	.850	2.10
LGD309	<4.3	<.18	.250	25.0	130.0	5.00	L3.5	.170	2.00
LGD310	<4.3	<.18	<.033	39.0	22.0	4.70	7.6	<.058	2.10
LGD311	<10.0	<.18	.250	53.0	24.0	6.20	8.5	.430	1.90
LGD312	<4.3	<.18	<.033	40.0	13.0	4.90	8.8	<.058	2.20
LGD313	<4.3	<.18	.130	61.0	24.0	4.70	6.7	<.058	2.70
LGD314	<4.3	<.18	.160	20.0	83.0	3.80	L4.5	<.058	1.70
LGD315	<4.3	<.18	.085	15.0	52.0	2.50	L1.9	<.058	1.90
LGD316	<4.3	<.18	.170	19.0	86.0	2.90	<1.8	<.058	3.40
LGD317	<4.3	<.18	.093	38.0	28.0	2.30	<1.8	<.058	1.60
LGD318	<4.3	<.18	.110	62.0	45.0	3.70	<1.8	<.058	2.40
LGD319	L40.0	<.18	.320	42.0	110.0	8.90	14.0	1.500	1.80
LGD320	<4.3	<.18	.210	25.0	93.0	9.70	17.0	3.200	1.30
LGD321	<4.3	<.18	.230	78.0	110.0	5.30	L2.9	<.058	2.30
LGD322	<4.3	<.18	.210	15.0	83.0	9.90	19.0	5.200	.98
LGD323	<4.3	<.18	.130	27.0	61.0	6.80	11.0	<.058	3.00
LGD324	<4.3	<.18	.096	35.0	61.0	7.20	8.9	<.058	3.10
LGD325	<4.3	<.18	.140	33.0	99.0	8.60	13.0	.630	4.30
LGD326	380.0	<.18	.160	21.0	69.0	5.60	7.6	<.058	2.50
LGD327	120.0	<.18	.120	25.0	61.0	4.20	5.0	<.058	3.00
LGD328	51.0	<.18	L.058	27.0	30.0	3.60	L3.7	<.058	2.90
LGD329	<8.2	<.18	.110	25.0	77.0	6.30	7.9	<.058	3.10
LGD330	L13.0	<.18	L.061	27.0	47.0	3.10	L2.1	<.058	1.50
LGD331	<4.3	<.18	.130	16.0	53.0	2.80	<1.8	<.058	2.00
LGD332	<4.3	<.18	.180	13.0	79.0	1.90	<1.8	<.058	3.50
LGD333	L19.0	<.18	L.066	29.0	35.0	2.70	<1.8	<.058	2.10

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGD334	48 13 31	121 1 28	3,200	8,800	21,000.0	15,000	1,400	530	410	40.0	<.25
LGD335	48 13 37	121 1 42	5,700	7,500	18,000.0	15,000	1,800	1,200	410	27.0	28.00
LGD336	48 13 32	121 1 58	1,800	7,100	22,000.0	17,000	1,000	720	930	31.0	<.25
LGD337	48 13 32	121 2 10	1,600	3,800	26,000.0	12,000	1,300	540	350	52.0	<.25
LGD338	48 13 43	121 2 40	3,300	4,400	17,000.0	8,000	1,200	1,000	280	31.0	L6.00
LGD339	48 13 38	121 3 4	2,600	4,000	23,000.0	8,300	1,600	690	240	53.0	<3.10
LGD340	48 13 37	121 3 52	3,700	5,100	26,000.0	9,300	1,600	1,100	290	55.0	<2.10
LGD341	48 13 39	121 4 2	5,000	5,800	24,000.0	13,000	2,100	620	350	24.0	<.25
LGD342	48 20 43	120 57 50	15,000	8,100	36,000.0	22,000	1,900	1,000	580	53.0	40.00
LGD343	48 20 23	120 57 47	3,700	7,500	35,000.0	12,000	700	510	200	150.0	<.25
LGD344	48 20 32	120 56 48	10,000	4,800	29,000.0	15,000	1,600	970	340	40.0	36.00
LGD345	48 20 19	120 56 7	3,400	6,700	20,000.0	11,000	480	460	160	71.0	<.25
LGD346	48 20 45	120 54 28	3,000	6,000	34,000.0	8,900	610	560	160	150.0	<.25
LGD409	48 20 44	121 5 25	16,000	4,700	31,000.0	8,400	1,000	840	210	140.0	74.00
LGD410	48 20 48	121 6 20	6,500	7,500	19,000.0	9,700	2,000	1,500	260	28.0	33.00
LGD411	48 20 48	121 6 26	8,000	6,400	20,000.0	11,000	1,600	1,100	270	29.0	42.00
LGD412	48 20 31	121 6 30	4,400	5,800	22,000.0	7,800	880	630	140	88.0	18.00
LGD413	48 20 30	121 6 46	6,200	6,800	22,000.0	9,000	1,000	670	180	86.0	25.00
LGD414	48 22 40	121 11 34	4,100	4,100	21,000.0	9,000	1,500	730	200	30.0	L6.50
LGD415	48 22 42	121 11 40	2,500	3,000	17,000.0	5,800	860	610	140	27.0	<1.80
LGD416	48 23 18	121 11 45	3,200	3,300	22,000.0	7,300	1,000	620	170	37.0	<.79
LGD417	48 23 20	121 11 55	3,800	2,800	39,000.0	9,800	1,100	430	230	100.0	L8.80
LGD418	48 23 27	121 19 31	3,600	3,200	35,000.0	6,500	870	640	160	87.0	L18.00
LGD419	48 23 48	121 20 5	10,000	7,500	28,000.0	15,000	1,300	1,300	340	43.0	L15.00
LGD420	48 23 59	121 20 12	3,100	3,100	54,000.0	5,600	810	710	170	140.0	L23.00
LGD421	48 24 3	121 20 28	4,100	3,800	59,000.0	7,400	1,000	800	230	170.0	36.00
LGD422	48 24 0	121 20 30	6,800	7,400	18,000.0	11,000	1,100	870	220	32.0	28.00
LGD423	48 24 15	121 20 58	3,400	3,500	56,000.0	6,000	890	730	180	150.0	L30.00
LGD424	48 24 42	121 21 43	2,500	4,200	<6.1	4,800	1,400	1,300	320	500.0	390.00
LGD424	48 24 42	121 21 43	2,800	4,600	170,000.0	5,100	1,400	1,300	350	540.0	110.00
LGD425	48 15 19	120 49 49	8,400	6,000	31,000.0	19,000	1,800	660	370	77.0	21.00
LGD426	48 15 19	120 49 53	9,400	11,000	37,000.0	33,000	2,200	1,200	1,400	100.0	31.00
LGD427	48 15 40	120 49 55	6,700	12,000	41,000.0	23,000	2,200	830	360	110.0	<.25
LGD428	48 16 15	120 50 10	7,700	11,000	38,000.0	22,000	2,200	850	460	100.0	L10.00
LGD429	48 16 19	120 50 15	13,000	11,000	36,000.0	27,000	1,700	910	780	77.0	L9.70
LGD430	48 16 49	120 50 0	12,000	6,600	37,000.0	18,000	1,500	1,100	430	77.0	33.00
LGD431	48 22 21	121 16 32	3,600	3,600	31,000.0	9,100	1,000	430	210	74.0	L6.50
LGD432	48 22 20	121 16 35	4,900	4,100	17,000.0	8,600	1,000	590	160	27.0	L7.20
LGD433	48 22 14	121 16 15	2,600	3,400	60,000.0	6,000	720	640	180	170.0	L20.00
LGD434	48 22 0	121 15 51	3,000	3,100	42,000.0	7,500	940	550	210	110.0	L8.80
LGD435	48 21 52	121 15 46	6,000	4,000	38,000.0	12,000	1,600	800	320	95.0	L12.00
LGD436	48 21 21	121 15 53	3,600	3,500	31,000.0	7,800	840	580	180	70.0	<3.70
LGD437	48 21 10	121 15 51	5,100	3,100	34,000.0	11,000	1,300	560	260	50.0	<.25
LGD438	48 20 53	121 16 24	9,500	5,500	28,000.0	22,000	2,200	730	300	62.0	26.00
LGD439	48 20 13	121 16 50	4,600	3,800	28,000.0	9,900	1,100	600	200	63.0	<5.50

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGD334	4.5	8.0	4.80	48.0	L1.00	<3.3	<1.3	<.38	L.45	<3.8
LGD335	16.0	9.8	13.00	100.0	L1.00	<3.3	<1.3	<.38	L.61	42.0
LGD336	6.7	11.0	7.20	62.0	<.77	<3.3	<1.3	<.38	L.91	<3.8
LGD337	4.5	8.2	3.40	37.0	L.87	<3.3	<1.3	<.38	L.54	<3.8
LGD338	6.5	6.5	3.60	92.0	<.77	<3.3	<1.3	<.38	L.40	23.0
LGD339	8.1	8.0	7.20	46.0	<.77	<3.3	<1.3	<.38	<.26	<3.8
LGD340	7.9	8.8	5.60	78.0	<.77	<3.3	<1.3	<.38	<.41	L5.0
LGD341	5.8	9.5	12.00	120.0	L1.40	<3.3	<1.3	<.38	L.61	10.0
LGD342	43.0	24.0	31.00	130.0	L1.50	<3.3	<1.3	<.38	1.70	<3.8
LGD343	9.1	9.3	9.20	20.0	<.77	<3.3	<1.3	<.38	L.98	<3.8
LGD344	38.0	16.0	180.00	220.0	3.00	<3.3	<1.3	<.38	1.50	<3.8
LGD345	8.6	6.1	9.80	18.0	<.77	<3.3	<1.3	<.38	L.51	<3.8
LGD346	7.9	7.9	11.00	20.0	<.77	<3.3	<1.3	<.38	L1.00	<3.8
LGD409	120.0	17.0	9.00	32.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD410	25.0	12.0	14.00	45.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD411	34.0	11.0	15.00	51.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD412	10.0	9.3	21.00	18.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD413	24.0	11.0	18.00	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD414	5.6	7.5	16.00	55.0	L.83	<3.3	<1.3	<.38	<.25	L5.5
LGD415	L1.9	L5.0	43.00	46.0	2.90	<3.3	<1.3	<.38	<.25	L4.4
LGD416	L2.9	6.4	44.00	51.0	4.50	<3.3	<1.3	<.38	<.25	<3.8
LGD417	4.0	11.0	72.00	29.0	9.40	<3.3	<1.3	<.38	<.25	<3.8
LGD418	5.1	9.2	4.40	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD419	11.0	14.0	9.80	110.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD420	4.9	12.0	1.90	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD421	8.9	15.0	4.60	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD422	9.3	8.3	6.80	27.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD423	5.7	12.0	2.90	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD424	17.0	32.0	11.00	33.0	8.30	220.0	66.0	1.70	14.00	17.0
LGD424	13.0	34.0	<.35	39.0	<1.50	<6.6	<2.5	<.75	<.50	<7.5
LGD425	20.0	14.0	31.00	66.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD426	24.0	45.0	37.00	150.0	3.00	<3.3	6.4	<.38	<.25	<3.8
LGD427	9.1	16.0	25.00	47.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD428	15.0	18.0	25.00	86.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD429	18.0	34.0	88.00	160.0	L.80	<3.3	<1.3	<.38	<.25	<3.8
LGD430	35.0	20.0	41.00	110.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGD431	3.3	7.4	3.10	22.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGD432	3.7	6.5	6.60	22.0	L.95	<3.3	<1.3	<.38	<.25	<3.8
LGD433	3.6	12.0	3.30	16.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD434	6.2	9.6	5.50	19.0	L1.20	<3.3	<1.3	<.38	<.25	<3.8
LGD435	5.2	13.0	100.00	64.0	23.00	<3.3	<1.3	<.38	<.25	12.0
LGD436	3.7	8.7	20.00	20.0	2.90	<3.3	<1.3	<.38	<.25	<3.8
LGD437	4.0	11.0	190.00	54.0	20.00	<3.3	<1.3	<.38	<.25	<3.8
LGD438	19.0	13.0	25.00	56.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD439	5.8	8.3	31.00	31.0	4.20	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGD334	<4.3	<.18	.290	40.0	32.0	5.80	8.0	2.200	2.80
LGD335	<4.3	<.18	.180	34.0	66.0	3.80	L3.4	.480	3.10
LGD336	<4.3	<.18	.680	41.0	78.0	6.70	12.0	2.300	2.20
LGD337	<4.3	<.18	.310	19.0	33.0	5.70	12.0	1.500	2.80
LGD338	<4.3	<.18	.130	22.0	30.0	2.40	L2.0	<.058	2.00
LGD339	41.0	<.18	.110	19.0	34.0	3.50	L4.0	<.058	2.70
LGD340	L25.0	<.18	.110	19.0	45.0	3.30	L2.9	<.058	2.70
LGD341	<4.3	<.18	.170	33.0	55.0	4.90	6.5	1.200	4.80
LGD342	<24.0	<.18	.240	43.0	140.0	5.90	L2.7	<.058	3.50
LGD343	<4.3	<.18	L.068	36.0	54.0	5.50	6.5	<.058	2.10
LGD344	<4.3	<.18	.250	33.0	130.0	7.30	7.4	<.058	2.90
LGD345	<4.3	<.18	L.074	33.0	45.0	4.70	5.8	<.058	1.10
LGD346	<4.3	<.18	L.047	27.0	36.0	5.30	6.5	<.058	2.00
LGD409	L19.0	<.18	L.047	24.0	51.0	5.10	L2.3	<.058	6.30
LGD410	L14.0	<.18	.150	21.0	77.0	5.90	7.9	1.600	5.60
LGD411	<12.0	<.18	.170	23.0	80.0	2.90	<1.8	<.058	4.60
LGD412	L11.0	<.18	<.033	25.0	32.0	3.30	L3.3	<.058	3.80
LGD413	L13.0	<.18	L.046	28.0	38.0	3.70	L3.3	.140	4.00
LGD414	<9.5	<.18	.100	24.0	64.0	4.00	L4.2	<.058	4.00
LGD415	L9.3	<.18	L.054	18.0	55.0	3.60	4.8	<.058	2.70
LGD416	<6.6	<.18	.083	21.0	58.0	3.90	L4.0	<.058	3.40
LGD417	<4.3	<.18	.094	21.0	60.0	4.40	L4.2	<.058	5.10
LGD418	L8.8	<.18	L.047	21.0	67.0	4.70	6.5	<.058	3.90
LGD419	L30.0	<.18	.120	26.0	110.0	2.60	<1.8	<.058	3.40
LGD420	<5.9	<.18	<.033	17.0	56.0	5.20	6.4	<.058	5.30
LGD421	<5.8	<.18	<.033	15.0	73.0	5.80	6.4	<.058	6.40
LGD422	L15.0	<.18	.093	20.0	40.0	3.00	<1.8	.250	2.60
LGD423	<7.1	<.18	<.033	17.0	57.0	5.20	6.2	<.058	5.60
LGD424	64.0	220.00	<.033	12.0	39.0	12.00	27.0	5.700	18.00
LGD424	<13.0	<.35	<.065	13.0	40.0	12.00	16.0	<.120	17.00
LGD425	<4.3	<.18	.170	31.0	78.0	3.30	<1.8	<.058	4.80
LGD426	<4.3	<.18	.420	61.0	79.0	7.30	7.4	5.800	5.80
LGD427	<4.3	<.18	.100	65.0	43.0	2.90	<1.8	<.058	5.30
LGD428	<4.3	<.18	.170	53.0	52.0	4.10	<1.8	.210	5.50
LGD429	<4.3	<.18	.230	53.0	100.0	5.40	L2.9	9.400	4.30
LGD430	<7.3	<.18	.220	41.0	76.0	5.60	L2.9	<.058	4.60
LGD431	<4.3	<.18	.090	30.0	76.0	3.80	L3.9	<.058	4.00
LGD432	L11.0	<.18	L.059	20.0	87.0	1.60	<1.8	<.058	2.40
LGD433	<4.8	<.18	L.039	23.0	53.0	4.90	6.0	<.058	6.10
LGD434	<7.2	<.18	.100	21.0	58.0	3.80	L4.1	<.058	4.80
LGD435	L35.0	<.18	.160	23.0	70.0	4.60	4.7	<.058	5.60
LGD436	L11.0	<.18	L.074	22.0	66.0	3.20	L3.2	<.058	3.60
LGD437	<8.8	<.18	.180	22.0	67.0	3.60	L2.3	<.058	3.90
LGD438	<4.3	<.18	.140	27.0	130.0	3.90	<1.8	<.058	4.80
LGD439	<5.4	<.18	.100	22.0	85.0	2.80	<1.8	<.058	3.50

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGD440	48 20 7	121 16 55	6,700	5,700	17,000.0	11,000	1,300	620	250	34.0	25.00
LGD441	48 22 55	121 25 45	12,000	8,900	38,000.0	22,000	1,500	760	830	79.0	43.00
LGD442	48 22 50	121 25 37	16,000	9,600	36,000.0	23,000	700	1,100	490	69.0	60.00
LGD443	48 22 29	121 25 24	10,000	7,400	33,000.0	19,000	1,400	920	450	56.0	31.00
LGD444	48 21 37	121 25 31	11,000	5,100	31,000.0	15,000	650	690	390	56.0	34.00
LGD445	48 20 44	120 54 5	7,400	4,400	27,000.0	10,000	920	830	320	47.0	25.00
LGD446	48 17 38	120 55 49	4,200	4,200	17,000.0	9,500	1,000	490	200	51.0	<2.30
LGD447	48 17 37	120 55 46	4,000	4,200	17,000.0	9,100	1,000	450	220	47.0	L4.50
LGD448	48 16 2	120 55 41	3,200	3,500	12,000.0	7,700	880	390	160	35.0	L6.50
LGD449	48 15 18	120 55 32	5,000	4,500	24,000.0	9,500	850	480	220	75.0	L7.30
LGD450	48 15 18	120 55 39	2,300	3,300	14,000.0	7,800	1,400	530	150	37.0	L6.90
LGD451	48 16 48	120 59 13	4,400	5,900	28,000.0	14,000	1,400	550	370	88.0	<.25
LGD452	48 16 47	120 59 12	4,800	5,600	35,000.0	12,000	1,600	740	340	130.0	<6.10
LGD453	48 17 2	120 58 25	5,000	5,200	32,000.0	11,000	950	470	260	120.0	<.25
LGD454	48 17 13	120 58 3	6,300	6,100	41,000.0	13,000	1,300	600	350	160.0	<.25
LGD455	48 17 12	120 57 45	4,300	4,500	22,000.0	10,000	1,000	580	230	70.0	<1.90
LGD456	48 17 10	120 57 28	4,400	4,200	25,000.0	13,000	1,100	530	310	75.0	<.25
LGD457	48 17 13	120 57 13	4,100	5,700	26,000.0	13,000	1,500	440	330	76.0	<.25
LGD458	48 17 24	120 57 7	4,700	6,200	46,000.0	16,000	1,800	660	350	190.0	<.25
LGD796	48 10 47	120 46 51	8,200	7,200	21,000.0	10,000	1,100	1,400	250	32.0	21.00
LGD797	48 10 47	120 46 46	8,600	9,800	26,000.0	16,000	1,400	950	400	43.0	18.00
LGD798	48 15 36	120 51 13	6,500	4,000	33,000.0	18,000	980	440	280	42.0	<.25
LGD799	48 15 32	120 51 11	9,000	11,000	21,000.0	17,000	930	1,600	340	45.0	20.00
LGD800	48 19 2	120 46 56	6,300	6,900	24,000.0	14,000	1,800	710	260	47.0	15.00
LGD801	48 19 12	120 46 51	8,300	7,800	31,000.0	16,000	2,400	1,100	370	63.0	37.00
LGD802	48 10 30	120 42 32	2,900	4,200	19,000.0	8,800	1,600	620	210	44.0	L7.40
LGD803	48 11 20	120 49 5	7,300	6,300	24,000.0	14,000	1,000	770	520	51.0	24.00
LGD804	48 14 3	120 50 5	9,600	12,000	23,000.0	20,000	1,200	1,500	530	47.0	L8.20
LGD805	48 13 4	120 49 3	9,500	4,500	52,000.0	16,000	1,600	640	300	140.0	L24.00
LGD806	48 13 24	120 49 13	8,200	3,500	50,000.0	15,000	1,600	380	390	150.0	<.25
LGD807	48 13 24	120 49 25	12,000	11,000	37,000.0	27,000	1,700	730	840	91.0	L19.00
LGD808	48 13 26	120 49 20	9,900	5,600	48,000.0	19,000	1,800	530	400	140.0	<.49
LGD809	48 13 46	121 17 42	7,100	5,600	28,000.0	15,000	1,500	1,500	330	52.0	23.00
LGD810	48 13 8	121 16 59	4,300	6,200	21,000.0	13,000	1,200	1,400	310	36.0	14.00
LGD811	48 12 48	121 16 49	6,900	6,300	27,000.0	14,000	1,400	1,600	320	57.0	23.00
LGD812	48 12 52	121 16 14	4,000	3,200	13,000.0	7,200	750	890	180	30.0	17.00
LGD813	48 14 47	121 11 50	3,500	2,700	16,000.0	12,000	1,300	390	210	40.0	18.00
LGD814	48 14 56	121 15 4	5,200	7,000	30,000.0	10,000	1,400	2,100	340	70.0	L16.00
LGD815	48 14 59	121 17 31	4,900	4,400	22,000.0	9,100	1,200	1,200	270	40.0	14.00
LGD816	48 16 4	121 13 21	10,000	8,500	27,000.0	17,000	1,700	980	260	55.0	36.00
LGD817	48 15 35	121 13 23	6,000	4,600	34,000.0	6,300	1,200	830	190	140.0	46.00
LGD818	48 15 41	121 16 27	6,300	3,300	22,000.0	11,000	1,200	660	210	46.0	26.00
LGD819	48 15 35	121 16 18	4,600	2,600	19,000.0	9,500	1,200	400	200	40.0	18.00
LGD820	48 16 1	121 19 58	3,900	3,200	20,000.0	6,400	680	650	160	44.0	16.00
LGD821	48 10 12	120 50 13	7,300	8,300	23,000.0	16,000	970	740	290	51.0	20.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGD440	12.0	8.6	13.00	31.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD441	44.0	24.0	47.00	64.0	<.77	<3.3	L1.6	<.38	<.25	<3.8
LGD442	35.0	22.0	28.00	49.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD443	31.0	17.0	32.00	50.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD444	43.0	18.0	28.00	49.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD445	20.0	13.0	39.00	51.0	L.86	<3.3	<1.3	<.38	<.25	<3.8
LGD446	4.6	8.2	9.90	26.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD447	7.1	8.7	27.00	36.0	<.77	<3.3	<1.3	<.38	<.25	L4.5
LGD448	6.0	6.9	15.00	31.0	<.77	<3.3	<1.3	<.38	<.25	L6.7
LGD449	13.0	10.0	20.00	35.0	<.77	<3.3	<1.3	<.38	<.25	L5.4
LGD450	5.2	7.2	13.00	37.0	L1.10	L5.0	<1.3	<.38	<.25	11.0
LGD451	5.6	11.0	10.00	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD452	8.4	13.0	12.00	32.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD453	3.2	10.0	14.00	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD454	4.5	13.0	16.00	36.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD455	6.0	8.1	15.00	27.0	L.89	<3.3	<1.3	<.38	<.25	<3.8
LGD456	6.1	9.3	15.00	29.0	2.50	<3.3	<1.3	<.38	<.25	<3.8
LGD457	4.5	10.0	20.00	35.0	2.10	<3.3	<1.3	<.38	<.25	<3.8
LGD458	4.4	14.0	12.00	31.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD796	29.0	10.0	25.00	27.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD797	24.0	13.0	26.00	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD798	7.1	9.8	26.00	61.0	4.20	<3.3	<1.3	<.38	<.25	<3.8
LGD799	16.0	14.0	37.00	71.0	<.77	<3.3	<1.3	<.38	<.25	L4.8
LGD800	15.0	11.0	9.30	73.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD801	31.0	13.0	17.00	94.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGD802	7.8	7.9	2.90	36.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD803	16.0	12.0	18.00	40.0	<.77	<3.3	L2.0	<.38	<.25	<3.8
LGD804	12.0	14.0	42.00	120.0	<.77	<3.3	L2.8	<.38	<.25	10.0
LGD805	29.0	20.0	42.00	180.0	L1.70	<3.3	<1.3	<.38	<.25	<3.8
LGD806	8.2	17.0	50.00	140.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD807	19.0	24.0	89.00	190.0	<.77	<3.3	L2.9	<.38	L.59	12.0
LGD808	12.0	20.0	47.00	66.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD809	23.0	13.0	18.00	80.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD810	15.0	10.0	13.00	55.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD811	21.0	13.0	21.00	69.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD812	13.0	6.9	8.70	35.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD813	18.0	7.4	9.80	37.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD814	20.0	12.0	20.00	54.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD815	17.0	9.8	13.00	45.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD816	32.0	15.0	32.00	64.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD817	38.0	12.0	15.00	28.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD818	28.0	9.4	16.00	50.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD819	17.0	8.1	11.00	46.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD820	13.0	7.6	15.00	30.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGD821	17.0	13.0	35.00	34.0	<.77	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGD440	<8.4	<.18	.084	14.0	75.0	1.60	<1.8	.320	2.80
LGD441	<4.3	<.18	.280	28.0	100.0	4.90	L1.9	1.200	4.00
LGD442	<4.3	<.18	.190	41.0	63.0	3.90	<1.8	1.400	2.80
LGD443	<7.4	<.18	.220	24.0	96.0	5.70	L4.3	1.900	3.80
LGD444	<11.0	<.18	.180	20.0	62.0	3.80	<1.8	.250	2.60
LGD445	<12.0	<.18	.130	22.0	68.0	3.90	L3.1	<.058	2.90
LGD446	L20.0	<.18	L.074	20.0	56.0	3.70	L3.9	.600	3.30
LGD447	39.0	<.18	L.059	25.0	53.0	3.50	L3.6	L.100	3.00
LGD448	49.0	<.18	L.065	22.0	39.0	2.80	L3.4	.430	2.50
LGD449	L21.0	<.18	L.052	28.0	49.0	3.10	L2.0	<.058	3.50
LGD450	92.0	<.18	L.074	17.0	35.0	3.60	5.2	.880	3.40
LGD451	<11.0	<.18	.140	32.0	70.0	4.70	5.2	<.058	4.70
LGD452	L36.0	<.18	.084	26.0	78.0	6.60	8.3	.850	6.70
LGD453	<7.4	<.18	L.060	23.0	56.0	4.40	L3.9	<.058	5.00
LGD454	<9.5	<.18	L.060	24.0	76.0	5.00	L4.0	<.058	6.60
LGD455	L31.0	<.18	.085	21.0	69.0	4.30	4.6	.500	3.70
LGD456	L32.0	<.18	.110	19.0	69.0	4.10	L4.3	<.058	4.10
LGD457	L22.0	<.18	.120	31.0	56.0	4.00	L4.3	<.058	4.30
LGD458	<16.0	<.18	.085	29.0	99.0	5.90	6.5	<.058	8.00
LGD796	<9.6	<.18	L.061	38.0	63.0	5.60	6.0	<.058	2.40
LGD797	<4.3	<.18	.110	37.0	75.0	4.20	<1.8	.510	3.40
LGD798	<4.3	<.18	.110	22.0	40.0	3.00	L2.3	3.100	2.80
LGD799	<11.0	<.18	L.066	52.0	29.0	4.50	L3.5	L.100	2.70
LGD800	<4.3	<.18	.100	43.0	66.0	5.60	5.0	<.058	4.50
LGD801	<4.3	<.18	.180	50.0	160.0	8.20	9.6	<.058	6.40
LGD802	<6.8	<.18	.120	26.0	35.0	4.30	L4.5	L.093	3.70
LGD803	<10.0	<.18	.110	35.0	55.0	4.10	L3.3	<.058	3.20
LGD804	<4.3	<.18	L.075	49.0	43.0	3.90	<1.8	.240	3.20
LGD805	<4.3	<.18	.110	23.0	78.0	3.20	<1.8	<.058	7.00
LGD806	<4.3	<.18	L.046	15.0	56.0	1.80	<1.8	<.058	6.40
LGD807	<11.0	<.18	.170	40.0	120.0	2.50	<1.8	<.058	4.80
LGD808	<4.3	<.18	L.061	19.0	84.0	1.80	<1.8	<.058	6.20
LGD809	<5.8	<.18	.160	16.0	99.0	7.20	9.7	3.500	4.00
LGD810	<7.8	<.18	.160	27.0	65.0	8.90	14.0	4.100	3.10
LGD811	<7.6	<.18	.140	22.0	100.0	6.10	7.3	3.300	3.80
LGD812	L10.0	<.18	L.065	9.0	66.0	3.40	L4.0	2.000	2.00
LGD813	<4.3	<.18	.140	17.0	87.0	2.20	<1.8	<.058	2.90
LGD814	<11.0	<.18	L.053	12.0	66.0	7.70	11.0	4.400	3.90
LGD815	<7.8	<.18	L.064	11.0	72.0	5.90	8.1	3.700	2.90
LGD816	<4.3	<.18	.140	27.0	170.0	2.60	<1.8	<.058	4.20
LGD817	L11.0	<.18	<.033	14.0	39.0	3.60	L2.2	<.058	6.40
LGD818	<4.3	<.18	.096	12.0	110.0	3.70	L2.4	.390	3.30
LGD819	<6.6	<.18	L.073	11.0	74.0	2.80	<1.8	.360	3.00
LGD820	L12.0	<.18	L.049	10.0	59.0	2.20	<1.8	<.058	2.50
LGD821	<4.3	<.18	.100	45.0	63.0	3.60	L2.0	<.058	3.10

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGD822	48 18 51	120 47 21	7,300	8,400	27,000.0	13,000	2,300	1,600	320	39.0	21.00
LGD823	48 7 45	120 38 0	5,100	3,800	38,000.0	11,000	170	790	1,300	42.0	<.25
LGD824	48 10 22	120 45 13	11,000	6,000	31,000.0	18,000	2,100	470	280	89.0	52.00
LGD825	48 10 20	120 45 5	11,000	9,000	27,000.0	21,000	1,300	770	240	50.0	28.00
LGD826	48 14 11	120 47 23	8,200	6,100	30,000.0	13,000	1,000	860	290	74.0	31.00
LGD827	48 13 28	120 46 40	9,600	8,600	47,000.0	18,000	1,400	910	320	150.0	L23.00
LGD828	48 7 12	120 46 53	9,300	14,000	36,000.0	25,000	2,100	790	380	84.0	L20.00
LGD829	48 20 58	121 24 55	9,100	5,300	23,000.0	12,000	830	720	270	39.0	39.00
LGD830	48 20 14	121 23 36	6,000	4,800	20,000.0	8,900	590	870	230	38.0	18.00
LGD831	48 19 7	121 21 45	7,700	7,900	28,000.0	17,000	1,600	920	450	53.0	24.00
LGD832	48 19 3	121 21 14	5,900	5,800	28,000.0	12,000	1,200	880	580	41.0	17.00
LGD833	48 18 53	121 20 19	6,600	6,400	23,000.0	13,000	1,300	800	310	44.0	20.00
LGD834	48 19 31	121 22 0	8,200	5,700	26,000.0	16,000	1,400	860	290	54.0	28.00
LGD835	48 9 10	121 12 42	4,400	3,700	22,000.0	10,000	1,500	600	230	53.0	17.00
LGD836	48 9 12	121 12 58	5,900	4,400	26,000.0	11,000	1,900	680	280	55.0	18.00
LGD837	48 9 22	121 14 3	6,100	4,100	29,000.0	11,000	1,400	1,400	250	62.0	27.00
LGD838	48 16 12	121 21 0	5,200	2,900	22,000.0	9,100	1,000	660	200	46.0	23.00
LGD839	48 16 24	121 22 0	8,600	3,800	30,000.0	15,000	760	570	270	57.0	27.00
LGD840	48 17 25	120 49 3	8,000	6,400	31,000.0	14,000	2,400	650	410	58.0	39.00
LGD841	48 8 32	120 39 10	3,400	3,600	19,000.0	7,600	770	710	220	44.0	L6.80
LGD842	48 8 30	120 39 0	2,700	3,200	17,000.0	9,500	910	580	190	41.0	L10.00
LGD843	48 13 56	120 50 13	9,700	5,800	16,000.0	13,000	550	590	410	34.0	15.00
LGD844	48 11 57	120 53 25	2,800	3,500	36,000.0	14,000	2,500	470	640	100.0	<5.60
LGD845	48 6 31	120 45 50	1,800	3,200	19,000.0	8,300	2,200	380	150	58.0	17.00
LGE043	48 18 33	120 51 54	11,000	4,800	36,000.0	14,000	680	970	570	60.0	47.00
LGE044	48 18 30	120 52 0	20,000	9,500	44,000.0	27,000	1,100	1,100	830	88.0	60.00
LGE045	48 21 5	120 54 21	6,700	4,700	38,000.0	9,300	1,800	910	360	70.0	28.00
LGE046	48 21 36	120 53 21	4,800	5,000	32,000.0	8,900	1,500	1,000	320	56.0	L7.40
LGE047	48 22 17	120 54 40	3,600	4,400	25,000.0	6,000	370	1,100	290	38.0	<3.90
LGE048	48 23 3	121 1 26	12,000	4,900	43,000.0	15,000	610	920	640	56.0	<2.10
LGE049	48 23 2	121 1 23	13,000	8,000	49,000.0	14,000	590	910	600	68.0	<.25
LGE050	48 25 2	120 56 40	10,000	8,200	30,000.0	14,000	2,200	1,400	400	48.0	49.00
LGE051	48 25 28	120 54 40	6,800	11,000	25,000.0	13,000	1,900	1,400	440	37.0	23.00
LGE052	48 25 43	120 54 48	7,000	4,900	16,000.0	8,400	1,100	1,200	220	28.0	26.00
LGE053	48 24 50	120 59 22	21,000	9,600	40,000.0	24,000	1,200	1,700	700	71.0	79.00
LGE054	48 24 55	120 59 22	13,000	5,900	36,000.0	16,000	800	1,100	410	65.0	39.00
LGE055	48 24 56	120 59 10	12,000	5,800	33,000.0	15,000	1,300	1,100	490	41.0	56.00
LGE056	48 24 11	120 58 31	10,000	5,700	33,000.0	15,000	1,900	960	530	48.0	46.00
LGE057	48 24 0	120 58 58	10,000	4,800	38,000.0	13,000	550	930	430	58.0	L22.00
LGE058	48 6 38	120 45 40	8,300	5,900	27,000.0	12,000	1,000	1,100	300	40.0	30.00
LGE059	48 9 17	120 51 49	5,900	5,100	25,000.0	13,000	1,600	650	270	54.0	40.00
LGE060	48 17 38	120 53 54	6,600	5,700	30,000.0	12,000	1,100	440	390	63.0	L9.10
LGE061	48 19 50	120 50 0	7,900	7,200	30,000.0	10,000	1,400	1,900	330	43.0	38.00
LGE062	48 23 3	120 56 50	9,200	5,100	33,000.0	13,000	1,900	890	390	52.0	48.00
LGE063	48 23 20	121 0 40	11,000	4,300	37,000.0	15,000	710	870	500	49.0	L18.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGD822	20.0	13.0	6.10	63.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD823	10.0	15.0	65.00	300.0	L1.10	<3.3	6.2	<.38	1.90	31.0
LGD824	38.0	16.0	25.00	97.0	L1.30	<3.3	<1.3	<.38	<.25	<3.8
LGD825	31.0	19.0	26.00	51.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD826	34.0	15.0	26.00	89.0	L1.40	<3.3	<1.3	<.38	<.25	<3.8
LGD827	29.0	21.0	23.00	87.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD828	19.0	19.0	39.00	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD829	37.0	13.0	23.00	47.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD830	23.0	11.0	19.00	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD831	25.0	14.0	17.00	70.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD832	21.0	15.0	11.00	50.0	<.77	<3.3	L1.7	<.38	<.25	<3.8
LGD833	17.0	11.0	12.00	56.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD834	28.0	14.0	22.00	93.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD835	14.0	9.6	8.50	45.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD836	15.0	11.0	11.00	55.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD837	34.0	14.0	20.00	63.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD838	23.0	9.1	13.00	44.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD839	34.0	15.0	31.00	69.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD840	25.0	15.0	16.00	64.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD841	9.1	6.8	5.70	46.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGD842	9.0	6.4	9.80	39.0	L1.40	<3.3	<1.3	<.38	<.25	<3.8
LGD843	13.0	10.0	33.00	71.0	<.77	<3.3	L2.1	<.38	<.25	L7.1
LGD844	20.0	27.0	70.00	86.0	2.50	<3.3	<1.3	<.38	<.25	13.0
LGD845	8.7	8.2	2.00	36.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE043	32.0	18.0	20.00	56.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE044	38.0	25.0	39.00	90.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE045	33.0	17.0	63.00	79.0	<.77	8.5	<1.3	<.38	<.25	<3.8
LGE046	18.0	13.0	15.00	48.0	L1.50	<3.3	<1.3	<.38	<.25	<3.8
LGE047	14.0	11.0	20.00	33.0	3.00	<3.3	<1.3	<.38	<.25	<3.8
LGE048	29.0	20.0	44.00	100.0	L1.30	<3.3	<1.3	<.38	<.25	<3.8
LGE049	44.0	26.0	62.00	110.0	L1.20	<3.3	<1.3	<.38	<.25	<3.8
LGE050	34.0	15.0	100.00	72.0	L.98	<3.3	<1.3	<.38	<.25	<3.8
LGE051	24.0	11.0	12.00	52.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE052	20.0	8.6	17.00	39.0	<.77	<3.3	<1.3	<.38	<.25	L4.5
LGE053	57.0	26.0	37.00	74.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE054	31.0	17.0	26.00	50.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE055	44.0	18.0	150.00	130.0	5.90	<3.3	<1.3	<.38	<.25	14.0
LGE056	42.0	17.0	100.00	220.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE057	28.0	18.0	33.00	75.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE058	19.0	12.0	13.00	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE059	31.0	11.0	17.00	59.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE060	11.0	13.0	26.00	96.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE061	26.0	14.0	20.00	61.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE062	38.0	17.0	110.00	140.0	2.10	<3.3	<1.3	<.38	<.25	<3.8
LGE063	22.0	16.0	26.00	80.0	<.77	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua–regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGD822	<11.0	<.18	.120	41.0	100.0	9.70	14.0	2.200	5.90
LGD823	L19.0	<.18	.270	21.0	60.0	8.40	15.0	1.700	1.80
LGD824	<4.3	<.18	.150	35.0	83.0	4.20	<1.8	<.058	6.40
LGD825	<4.3	<.18	.160	58.0	81.0	3.70	<1.8	<.058	3.50
LGD826	<13.0	<.18	.120	33.0	55.0	3.80	<1.8	.270	4.00
LGD827	<5.7	<.18	.110	52.0	57.0	3.70	<1.8	<.058	6.60
LGD828	<4.3	<.18	.170	79.0	47.0	4.00	<1.8	<.058	5.40
LGD829	L15.0	<.18	.130	17.0	66.0	3.60	<1.8	L.120	2.70
LGD830	L14.0	<.18	.089	14.0	68.0	2.40	<1.8	.230	2.20
LGD831	<6.3	<.18	.200	23.0	98.0	4.20	L2.2	.270	4.10
LGD832	<11.0	<.18	.110	15.0	77.0	3.70	L2.7	.440	3.10
LGD833	L16.0	<.18	.120	17.0	73.0	2.70	<1.8	L.080	3.50
LGD834	<7.0	<.18	.160	16.0	100.0	2.60	<1.8	<.058	3.50
LGD835	<8.6	<.18	.110	19.0	74.0	2.40	<1.8	<.058	3.90
LGD836	<6.0	<.18	.100	16.0	92.0	3.10	<1.8	<.058	4.30
LGD837	<7.2	<.18	.120	11.0	91.0	10.00	16.0	2.900	3.80
LGD838	<7.3	<.18	.087	10.0	70.0	5.20	6.4	1.600	2.70
LGD839	L42.0	<.18	.250	14.0	77.0	5.00	L4.2	L.120	2.90
LGD840	<4.3	<.18	.120	31.0	84.0	5.60	L2.8	<.058	6.20
LGD841	L12.0	<.18	.110	28.0	37.0	3.50	L3.9	.560	2.40
LGD842	<6.1	<.18	.150	25.0	32.0	3.70	L4.2	.590	2.50
LGD843	<6.6	<.18	L.049	28.0	33.0	1.20	<1.8	<.058	1.90
LGD844	L34.0	<.18	.120	23.0	49.0	4.00	L4.0	<.058	6.30
LGD845	<8.4	<.18	.120	23.0	30.0	4.60	L3.4	<.058	4.60
LGE043	<8.5	<.18	.230	22.0	100.0	7.10	7.1	.310	2.80
LGE044	<19.0	<.18	.330	46.0	130.0	7.10	L2.3	2.900	4.10
LGE045	L24.0	<.18	.200	19.0	100.0	4.80	L2.9	<.058	4.80
LGE046	L20.0	<.18	.230	25.0	92.0	11.00	18.0	.990	4.30
LGE047	27.0	<.18	.260	19.0	49.0	11.00	18.0	.520	1.80
LGE048	160.0	<.18	.100	21.0	74.0	3.20	<1.8	<.058	2.40
LGE049	430.0	<.18	.110	34.0	89.0	3.50	<1.8	<.058	2.70
LGE050	<14.0	<.18	.240	44.0	140.0	8.90	9.4	.760	5.40
LGE051	<14.0	<.18	.300	58.0	140.0	14.00	18.0	5.300	4.80
LGE052	L20.0	<.18	.140	28.0	47.0	6.50	8.9	1.000	2.80
LGE053	<4.3	<.18	.270	43.0	300.0	8.20	L4.2	<.058	3.70
LGE054	<14.0	<.18	.140	38.0	82.0	4.60	<1.8	<.058	3.20
LGE055	<4.3	<.18	.340	35.0	200.0	6.60	L4.0	<.058	3.30
LGE056	<5.8	<.18	.280	35.0	150.0	6.70	4.8	<.058	4.60
LGE057	98.0	<.18	.091	25.0	59.0	3.30	<1.8	<.058	2.40
LGE058	<10.0	<.18	.120	33.0	77.0	6.50	6.7	.220	2.60
LGE059	L24.0	<.18	.160	34.0	50.0	3.70	<1.8	<.058	4.10
LGE060	L16.0	<.18	L.068	28.0	44.0	2.10	<1.8	<.058	3.30
LGE061	<12.0	<.18	.210	36.0	84.0	13.00	20.0	1.400	4.00
LGE062	<8.2	<.18	.210	32.0	110.0	6.00	L3.1	<.058	4.60
LGE063	L32.0	<.18	.097	23.0	59.0	3.70	<1.8	<.058	2.50

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGE064	48 24 2	120 54 38	3,200	5,100	20,000.0	9,900	1,200	600	430	33.0	L8.10
LGE065	48 20 11	120 46 3	10,000	6,900	30,000.0	15,000	2,700	1,200	290	46.0	55.00
LGE066	48 23 57	120 51 20	7,900	9,600	26,000.0	15,000	2,400	1,800	400	34.0	22.00
LGE067	48 24 13	120 51 36	8,500	7,500	23,000.0	15,000	2,300	1,200	290	30.0	32.00
LGE068	48 27 5	120 59 31	8,200	5,600	28,000.0	12,000	1,600	1,100	460	41.0	28.00
LGE069	48 16 51	120 53 6	7,300	6,200	22,000.0	13,000	900	360	430	45.0	L11.00
LGE070	48 19 25	120 52 52	9,800	5,600	31,000.0	14,000	1,300	900	420	46.0	44.00
LGE071	48 19 16	120 50 0	5,500	3,700	26,000.0	7,600	450	1,000	360	34.0	16.00
LGE072	48 19 14	120 49 58	4,800	3,300	24,000.0	6,500	410	890	300	33.0	15.00
LGE073	48 22 1	120 52 7	4,000	4,100	19,000.0	8,900	2,000	350	230	24.0	L11.00
LGE074	48 22 12	120 51 22	7,900	5,800	23,000.0	15,000	1,400	560	280	45.0	35.00
LGE075	48 20 47	120 47 17	6,300	6,000	27,000.0	15,000	1,900	800	410	44.0	28.00
LGE076	48 16 50	120 43 48	8,100	6,400	29,000.0	15,000	2,000	1,200	320	47.0	32.00
LGE077	48 16 48	120 43 43	5,500	4,200	23,000.0	9,500	780	770	310	35.0	L8.60
LGE078	48 16 59	120 43 31	8,700	7,200	26,000.0	14,000	2,500	1,500	260	37.0	39.00
LGE079	48 17 19	120 43 1	13,000	8,000	34,000.0	17,000	2,600	2,200	370	49.0	67.00
LGE080	48 18 57	120 40 44	7,600	6,400	26,000.0	11,000	1,800	1,700	250	37.0	20.00
LGE081	48 10 21	120 50 20	8,100	5,700	24,000.0	13,000	1,100	880	320	46.0	28.00
LGE082	48 17 54	120 48 0	3,100	10,000	18,000.0	15,000	1,600	980	500	35.0	L11.00
LGE083	48 9 0	120 41 10	4,100	5,700	18,000.0	13,000	1,000	660	270	45.0	12.00
LGE084	48 8 59	120 41 1	3,300	4,600	17,000.0	10,000	1,600	460	230	43.0	23.00
LGE085	48 9 25	120 40 41	2,200	4,600	23,000.0	10,000	2,000	530	240	62.0	L11.00
LGE086	48 10 10	120 43 36	2,700	4,200	8,500.0	10,000	1,100	530	90	24.0	12.00
LGE087	48 6 20	120 40 12	3,800	4,400	21,000.0	9,800	1,400	450	250	49.0	22.00
LGE088	48 6 20	120 40 18	5,600	4,600	25,000.0	14,000	1,900	470	250	56.0	L8.60
LGE089	48 6 16	120 40 28	4,300	7,000	28,000.0	16,000	1,700	780	400	61.0	<5.20
LGE090	48 6 0	120 40 52	2,700	5,100	26,000.0	9,700	3,400	460	180	62.0	<.25
LGE091	48 5 51	120 41 8	3,000	7,500	22,000.0	15,000	1,800	750	260	47.0	L4.80
LGE092	48 5 41	120 41 20	3,900	7,600	26,000.0	13,000	2,100	840	290	59.0	17.00
LGE174	48 22 32	120 49 15	9,500	7,200	32,000.0	15,000	2,300	1,000	390	45.0	46.00
LGE175	48 22 25	120 47 21	4,900	7,300	24,000.0	13,000	2,800	810	270	34.0	20.00
LGE176	48 22 19	120 46 30	16,000	17,000	31,000.0	25,000	3,700	2,200	370	37.0	63.00
LGE177	48 12 8	120 48 12	6,100	6,200	33,000.0	11,000	1,700	780	260	80.0	21.00
LGE178	48 28 43	121 4 37	7,000	3,900	22,000.0	8,300	1,700	1,100	250	36.0	45.00
LGE179	48 12 12	120 48 8	8,000	7,200	59,000.0	18,000	2,200	580	600	170.0	<7.50
LGE180	48 13 14	120 37 15	3,700	5,800	23,000.0	7,200	1,800	1,500	200	41.0	L9.70
LGE181	48 14 0	120 37 40	7,300	9,600	24,000.0	14,000	2,700	1,600	250	33.0	29.00
LGE182	48 15 38	120 37 57	7,400	8,300	24,000.0	9,800	2,000	2,700	230	35.0	28.00
LGE183	48 16 15	120 38 32	8,400	9,000	24,000.0	15,000	2,500	1,600	250	34.0	<3.50
LGE184	48 16 26	120 38 41	7,400	6,700	23,000.0	9,000	1,400	2,300	250	30.0	31.00
LGE185	48 17 16	120 39 21	9,300	7,800	28,000.0	11,000	1,800	2,600	300	34.0	42.00
LGE186	48 11 58	120 45 16	6,800	9,500	60,000.0	17,000	1,800	730	260	190.0	<1.00
LGE187	48 11 19	120 41 0	4,900	8,500	25,000.0	15,000	1,800	690	370	37.0	<.73
LGE188	48 11 48	120 43 42	5,300	8,700	53,000.0	18,000	2,300	800	330	130.0	<.25
LGE189	48 17 4	120 53 8	8,000	7,400	32,000.0	17,000	1,500	750	450	74.0	L11.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGE064	7.9	6.4	3.20	46.0	<.77	<3.3	L1.7	<.38	<.25	<3.8
LGE065	61.0	15.0	33.00	74.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE066	18.0	11.0	7.50	70.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE067	26.0	11.0	6.20	70.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE068	22.0	14.0	62.00	130.0	2.00	<3.3	<1.3	<.38	<.25	33.0
LGE069	12.0	14.0	41.00	78.0	<.77	<3.3	L1.9	<.38	<.25	<3.8
LGE070	28.0	17.0	50.00	85.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE071	19.0	14.0	39.00	58.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGE072	17.0	12.0	33.00	51.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE073	7.8	8.0	2.80	44.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE074	34.0	9.3	16.00	74.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE075	23.0	10.0	7.60	73.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE076	29.0	12.0	9.60	76.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE077	12.0	8.5	6.40	54.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE078	26.0	12.0	8.70	73.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE079	52.0	19.0	21.00	89.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE080	22.0	10.0	9.60	57.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE081	18.0	10.0	12.00	45.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE082	9.5	6.9	8.20	43.0	<.77	<3.3	L1.7	<.38	<.25	<3.8
LGE083	10.0	6.9	6.40	39.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE084	15.0	7.3	7.70	33.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGE085	9.9	7.4	3.20	33.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE086	8.0	<2.4	5.10	22.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE087	16.0	8.1	7.60	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE088	12.0	9.1	12.00	59.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE089	23.0	12.0	18.00	87.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE090	<1.2	<2.4	<.18	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE091	8.5	7.1	6.60	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE092	11.0	9.0	8.10	39.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE174	39.0	16.0	14.00	64.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE175	16.0	10.0	5.30	50.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE176	44.0	20.0	24.00	63.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE177	16.0	12.0	12.00	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE178	25.0	13.0	31.00	78.0	L1.90	<3.3	<1.3	<.38	<.25	L4.1
LGE179	16.0	25.0	40.00	99.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE180	13.0	9.7	6.90	44.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE181	25.0	11.0	11.00	57.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE182	23.0	12.0	12.00	56.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE183	27.0	13.0	11.00	59.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE184	27.0	12.0	13.00	60.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE185	39.0	16.0	17.00	69.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGE186	16.0	22.0	28.00	64.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE187	8.4	9.4	41.00	82.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE188	11.0	20.0	11.00	64.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE189	21.0	15.0	28.00	150.0	L1.40	<3.3	<1.3	<.38	<.25	L4.6

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGE064	<7.4	<.18	.210	35.0	82.0	9.60	12.0	2.200	3.00
LGE065	<6.7	<.18	.110	39.0	130.0	8.50	9.2	.880	6.10
LGE066	<7.9	<.18	.240	51.0	130.0	11.00	15.0	3.700	5.50
LGE067	<11.0	<.18	.190	37.0	90.0	9.20	12.0	2.200	5.50
LGE068	47.0	<.18	.140	28.0	58.0	5.90	5.0	<.058	4.50
LGE069	<12.0	<.18	L.059	30.0	40.0	1.90	<1.8	<.058	2.70
LGE070	<16.0	<.18	.170	31.0	100.0	5.30	L3.9	<.058	3.90
LGE071	L15.0	<.18	.230	13.0	81.0	9.30	15.0	1.400	2.00
LGE072	L13.0	<.18	.180	12.0	68.0	7.30	11.0	.720	1.80
LGE073	<9.3	<.18	.098	29.0	62.0	7.80	12.0	1.500	4.80
LGE074	<4.3	<.18	.250	38.0	86.0	7.70	8.5	1.100	4.20
LGE075	<4.3	<.18	.320	37.0	82.0	12.00	14.0	.330	4.60
LGE076	<8.0	<.18	.210	35.0	110.0	11.00	15.0	1.500	5.20
LGE077	L16.0	<.18	.170	22.0	66.0	7.10	10.0	2.500	2.50
LGE078	<9.7	<.18	.130	40.0	140.0	9.80	13.0	.930	6.20
LGE079	<8.6	<.18	.180	42.0	220.0	11.00	15.0	2.400	6.60
LGE080	<13.0	<.18	.110	31.0	100.0	8.80	13.0	2.100	4.00
LGE081	<14.0	<.18	.130	34.0	58.0	4.30	L3.3	<.058	3.20
LGE082	<4.3	<.18	.260	57.0	95.0	8.30	9.6	5.600	3.40
LGE083	<4.3	<.18	.270	43.0	32.0	4.40	L2.9	1.700	2.60
LGE084	<9.9	<.18	.160	39.0	33.0	3.10	L2.0	<.058	3.40
LGE085	<6.7	<.18	.120	33.0	26.0	2.70	<1.8	<.058	4.30
LGE086	<5.9	<.18	.100	37.0	23.0	3.30	L4.3	.880	2.30
LGE087	<5.3	<.18	.160	28.0	45.0	3.50	L2.9	.180	3.40
LGE088	<11.0	<.18	.170	26.0	74.0	5.70	L4.3	.310	4.40
LGE089	<4.3	<.18	.270	40.0	61.0	9.60	8.1	4.100	4.00
LGE090	<6.6	<.18	.130	32.0	47.0	<.45	L4.4	2.900	<.32
LGE091	<4.3	<.18	.190	45.0	70.0	6.80	6.4	2.000	4.10
LGE092	<4.3	<.18	.270	49.0	71.0	14.00	8.9	6.900	5.00
LGE174	<4.3	<.18	.170	38.0	130.0	11.00	15.0	2.400	5.10
LGE175	<4.3	<.18	.160	44.0	73.0	10.00	14.0	1.600	5.70
LGE176	<4.3	<.18	.290	100.0	250.0	18.00	28.0	1.500	7.90
LGE177	<4.3	<.18	L.057	30.0	41.0	3.70	L1.8	<.058	4.30
LGE178	L17.0	<.18	.086	14.0	90.0	6.00	5.7	<.058	3.80
LGE179	<20.0	<.18	L.074	32.0	79.0	3.80	<1.8	<.058	7.40
LGE180	<7.5	<.18	L.071	21.0	68.0	20.00	38.0	3.600	4.40
LGE181	<4.3	<.18	.140	55.0	130.0	15.00	24.0	3.200	6.70
LGE182	<10.0	<.18	L.078	29.0	120.0	13.00	21.0	5.300	4.10
LGE183	<9.0	<.18	.150	65.0	140.0	13.00	20.0	2.200	6.20
LGE184	L17.0	<.18	.140	32.0	98.0	12.00	19.0	3.500	3.70
LGE185	L18.0	<.18	.160	42.0	140.0	12.00	19.0	3.700	4.90
LGE186	<4.3	<.18	L.061	62.0	67.0	3.40	<1.8	<.058	7.60
LGE187	<4.9	<.18	.170	46.0	120.0	8.90	13.0	5.500	4.60
LGE188	<4.3	<.18	.096	53.0	68.0	5.10	L3.9	<.058	6.60
LGE189	L29.0	<.18	.180	39.0	85.0	4.10	<1.8	<.058	4.60

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGE190	48 17 10	120 53 13	12,000	13,000	33,000.0	26,000	2,000	1,100	530	52.0	73.00
LGE191	48 17 7	120 53 14	6,400	6,000	28,000.0	14,000	1,300	430	420	56.0	<4.90
LGE192	48 21 16	120 53 3	6,500	9,100	25,000.0	15,000	2,400	740	350	30.0	17.00
LGE193	48 21 30	120 52 36	3,800	4,900	17,000.0	14,000	1,800	390	200	30.0	18.00
LGE194	48 21 33	120 52 28	3,800	6,000	17,000.0	9,700	2,000	450	200	26.0	11.00
LGE195	48 21 46	120 52 6	4,800	6,300	25,000.0	13,000	2,300	640	300	41.0	L13.00
LGE196	48 17 41	120 42 36	12,000	9,300	33,000.0	18,000	3,000	2,000	370	41.0	54.00
LGE197	48 17 37	120 42 34	8,900	7,300	30,000.0	12,000	2,200	1,900	300	50.0	30.00
LGE198	48 11 22	120 42 10	9,900	6,600	23,000.0	16,000	2,300	630	290	33.0	64.00
LGE199	48 11 34	120 43 15	6,100	7,300	28,000.0	15,000	1,700	860	370	53.0	26.00
LGE200	48 11 41	120 44 38	8,600	6,800	33,000.0	16,000	1,800	670	290	78.0	29.00
LGE201	48 11 44	120 46 23	13,000	5,600	38,000.0	11,000	1,400	750	300	76.0	L12.00
LGE202	48 28 42	121 4 54	13,000	7,100	26,000.0	15,000	1,300	1,500	380	41.0	62.00
LGE203	48 28 33	121 4 40	8,200	4,100	29,000.0	14,000	1,800	970	420	49.0	48.00
LGE204	48 28 18	121 9 33	18,000	3,900	39,000.0	20,000	2,100	560	520	91.0	170.00
LGE205	48 28 47	121 8 53	21,000	10,000	44,000.0	20,000	2,900	1,200	680	87.0	160.00
LGE206	48 29 2	121 8 30	19,000	7,000	39,000.0	26,000	2,600	1,800	480	63.0	99.00
LGE207	48 29 14	121 8 14	20,000	7,800	43,000.0	18,000	2,600	1,700	450	71.0	100.00
LGE208	48 29 33	121 7 22	14,000	6,100	32,000.0	17,000	2,000	1,200	480	54.0	51.00
LGE209	48 29 28	121 6 28	12,000	5,800	23,000.0	14,000	1,700	1,100	370	44.0	48.00
LGE210	48 29 22	121 5 20	11,000	8,800	24,000.0	14,000	2,000	1,700	370	39.0	33.00
LGE211	48 29 12	121 4 57	14,000	6,900	30,000.0	11,000	1,200	1,900	480	56.0	110.00
LGE212	48 29 13	121 4 58	5,300	3,400	17,000.0	7,000	1,300	1,000	480	33.0	19.00
LGE213	48 29 17	121 5 2	6,400	4,400	22,000.0	8,200	1,300	1,200	600	39.0	16.00
LGE214	48 18 13	121 16 7	5,800	3,400	19,000.0	9,000	1,400	570	190	41.0	16.00
LGE215	48 21 12	121 14 37	4,600	2,300	52,000.0	10,000	1,300	640	280	86.0	<.25
LGE216	48 22 23	121 9 44	7,900	5,100	22,000.0	12,000	1,200	1,100	240	24.0	21.00
LGE217	48 21 57	121 19 15	5,200	3,800	11,000.0	6,700	670	760	140	21.0	24.00
LGE218	48 21 5	121 20 5	9,300	5,800	20,000.0	14,000	1,100	760	290	33.0	35.00
LGE219	48 19 19	121 15 18	6,100	3,300	22,000.0	9,900	1,400	630	170	51.0	15.00
LGE220	48 21 56	121 19 14	5,000	3,500	12,000.0	7,400	740	690	180	23.0	22.00
LGE221	48 21 10	121 20 8	12,000	11,000	28,000.0	24,000	2,000	1,000	730	40.0	45.00
LGE222	48 11 19	120 41 0	5,500	15,000	24,000.0	20,000	1,600	1,000	540	33.0	<.25
LGE305	48 21 6	121 20 39	9,700	2,800	33,000.0	14,000	600	670	360	45.0	38.00
LGE306	48 18 14	121 6 58	4,800	4,300	14,000.0	8,800	1,600	530	250	25.0	25.00
LGE307	48 20 18	121 7 37	12,000	6,800	36,000.0	20,000	2,600	1,300	460	53.0	35.00
LGE308	48 17 29	121 4 10	3,800	3,800	37,000.0	6,300	1,100	730	290	130.0	25.00
LGE309	48 19 55	121 16 55	6,700	3,900	19,000.0	10,000	890	720	190	38.0	20.00
LGE310	48 19 7	121 8 22	6,800	4,800	25,000.0	11,000	1,700	710	310	42.0	36.00
LGE311	48 20 16	121 7 16	38,000	4,200	31,000.0	9,800	1,400	660	370	41.0	130.00
LGE312	48 20 19	121 7 12	6,000	4,300	21,000.0	7,000	740	760	130	81.0	24.00
LGE313	48 16 52	121 4 35	3,600	3,600	49,000.0	5,500	990	900	270	190.0	L28.00
LGE314	48 16 48	121 4 37	3,600	5,500	22,000.0	5,300	740	1,900	170	72.0	L11.00
LGE315	48 21 20	121 20 54	6,400	5,700	16,000.0	12,000	1,100	740	280	26.0	29.00
LGE316	48 17 58	121 9 25	12,000	6,200	29,000.0	14,000	1,800	1,000	400	43.0	74.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGE190	48.0	27.0	55.00	250.0	<.77	<3.3	<1.3	<.38	<.42	<3.8
LGE191	11.0	13.0	31.00	110.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE192	13.0	12.0	9.90	49.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE193	13.0	9.8	5.30	34.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE194	8.8	10.0	3.80	37.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE195	10.0	12.0	5.20	44.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE196	31.0	18.0	13.00	81.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE197	28.0	14.0	13.00	62.0	L1.60	<3.3	<1.3	<.38	<.25	<3.8
LGE198	37.0	13.0	9.90	44.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE199	16.0	12.0	13.00	49.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE200	30.0	16.0	28.00	70.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGE201	39.0	18.0	55.00	70.0	3.10	<3.3	<1.3	<.38	<.25	<3.8
LGE202	40.0	16.0	33.00	65.0	<.77	<3.3	<1.3	<.38	<.25	12.0
LGE203	28.0	13.0	110.00	170.0	5.60	<3.3	<1.3	<.38	<.25	95.0
LGE204	120.0	28.0	48.00	64.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGE205	110.0	31.0	44.00	64.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE206	94.0	29.0	41.00	66.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE207	82.0	27.0	30.00	54.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE208	42.0	18.0	140.00	110.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE209	3.4	14.0	65.00	110.0	L1.30	<3.3	<1.3	<.38	<.25	16.0
LGE210	27.0	15.0	20.00	43.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE211	49.0	19.0	32.00	120.0	L1.20	<3.3	<1.3	<.38	<.25	83.0
LGE212	12.0	7.6	37.00	73.0	2.10	<3.3	L2.5	<.38	<.25	19.0
LGE213	16.0	12.0	64.00	64.0	4.90	<3.3	3.3	<.38	<.25	29.0
LGE214	14.0	7.6	9.90	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE215	6.4	15.0	240.00	57.0	30.00	<3.3	<1.3	<.38	<.25	12.0
LGE216	19.0	10.0	14.00	72.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE217	13.0	6.7	8.30	21.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE218	19.0	9.7	12.00	47.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE219	18.0	9.0	15.00	42.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE220	11.0	8.1	9.00	25.0	<.77	<3.3	<1.3	<.38	<.25	L5.3
LGE221	31.0	20.0	22.00	58.0	<.77	<3.3	L2.3	<.38	<.25	L8.8
LGE222	8.4	9.1	75.00	100.0	<.77	<3.3	<1.3	<.38	<.25	L7.0
LGE305	27.0	17.0	24.00	68.0	L1.40	<3.3	<1.3	<.38	<.25	14.0
LGE306	23.0	9.1	9.80	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE307	35.0	20.0	33.00	86.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE308	11.0	12.0	11.00	60.0	L1.30	<3.3	<1.3	<.38	<.25	13.0
LGE309	15.0	11.0	16.00	41.0	2.60	<3.3	<1.3	<.38	<.25	<3.8
LGE310	34.0	14.0	17.00	65.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE311	330.0	30.0	14.00	46.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE312	30.0	12.0	20.00	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE313	14.0	14.0	9.20	53.0	L1.60	<3.3	<1.3	<.38	<.25	L7.4
LGE314	11.0	8.3	5.70	35.0	<.77	<3.3	<1.3	2.20	<.25	<3.8
LGE315	16.0	7.5	14.00	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE316	67.0	15.0	28.00	66.0	<.77	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGE190	<4.3	<.18	.300	59.0	130.0	6.80	L3.8	1.300	5.30
LGE191	L19.0	<.18	.098	31.0	45.0	2.20	<1.8	<.058	3.50
LGE192	<5.3	<.18	.190	45.0	98.0	8.00	9.4	2.000	5.60
LGE193	<7.5	<.18	.190	34.0	47.0	5.70	10.0	2.900	4.20
LGE194	L13.0	<.18	.100	35.0	46.0	7.60	11.0	1.500	4.80
LGE195	<9.7	<.18	.140	36.0	65.0	9.20	14.0	1.700	5.70
LGE196	<8.0	<.18	.180	53.0	190.0	15.00	22.0	1.700	6.90
LGE197	L17.0	<.18	.120	33.0	120.0	11.00	16.0	2.800	5.50
LGE198	<8.3	<.18	.110	41.0	95.0	5.00	L2.3	.290	5.10
LGE199	<6.0	<.18	.200	49.0	98.0	5.90	6.0	<.058	4.30
LGE200	<5.5	<.18	.170	40.0	83.0	4.40	<1.8	<.058	5.30
LGE201	<13.0	<.18	L.068	27.0	130.0	3.90	<1.8	<.058	4.60
LGE202	59.0	<.18	.120	53.0	110.0	4.60	<1.8	<.058	3.20
LGE203	84.0	<.18	.170	27.0	130.0	7.70	9.0	<.058	4.80
LGE204	L67.0	<.18	.140	8.7	68.0	4.10	<1.8	<.058	5.90
LGE205	L40.0	<.18	.190	16.0	150.0	9.00	5.9	.960	8.00
LGE206	<4.3	<.18	.270	30.0	190.0	7.40	L2.5	<.058	7.10
LGE207	<19.0	<.18	.220	35.0	150.0	9.50	7.9	<.058	6.50
LGE208	<6.4	<.18	.220	47.0	160.0	4.50	<1.8	<.058	4.30
LGE209	L26.0	<.18	.120	29.0	140.0	3.90	<1.8	<.058	3.90
LGE210	<16.0	<.18	.180	42.0	140.0	6.70	5.8	L.130	4.80
LGE211	58.0	<.18	L.080	46.0	85.0	8.90	8.5	<.058	4.00
LGE212	26.0	<.18	L.050	15.0	76.0	6.10	8.3	.350	3.20
LGE213	32.0	<.18	L.070	20.0	76.0	5.80	7.3	.600	3.40
LGE214	<9.5	<.18	L.054	8.0	100.0	L1.10	<1.8	<.058	2.90
LGE215	<7.4	<.18	.170	16.0	53.0	3.90	L2.2	<.058	4.50
LGE216	<13.0	<.18	.170	32.0	75.0	3.60	<1.8	<.058	2.50
LGE217	L16.0	<.18	L.046	14.0	25.0	2.60	<1.8	<.058	1.50
LGE218	L29.0	<.18	.100	19.0	36.0	2.50	<1.8	<.058	2.60
LGE219	<9.0	<.18	L.069	8.5	100.0	1.20	<1.8	<.058	3.30
LGE220	L26.0	<.18	L.058	15.0	36.0	2.30	<1.8	<.058	1.80
LGE221	<23.0	<.18	.320	42.0	88.0	4.60	<1.8	<.058	4.00
LGE222	<4.3	<.18	.280	70.0	190.0	9.20	12.0	11.000	3.90
LGE305	<10.0	<.18	.130	21.0	66.0	2.50	<1.8	<.058	2.10
LGE306	L15.0	<.18	.150	19.0	52.0	2.80	L1.8	L.069	3.50
LGE307	<4.3	<.18	.280	26.0	150.0	3.20	<1.8	<.058	6.40
LGE308	L21.0	<.18	L.061	15.0	40.0	6.00	9.2	<.058	5.60
LGE309	L13.0	<.18	.087	14.0	80.0	1.40	<1.8	<.058	2.50
LGE310	L14.0	<.18	.230	19.0	86.0	3.90	L2.0	<.058	4.10
LGE311	L21.0	<.18	.140	15.0	54.0	3.20	<1.8	<.058	4.60
LGE312	L16.0	<.18	L.047	21.0	41.0	4.00	4.9	<.058	3.70
LGE313	L17.0	<.18	L.049	12.0	36.0	6.70	11.0	<.058	7.10
LGE314	22.0	<.18	.088	15.0	43.0	4.00	5.2	.210	3.20
LGE315	L22.0	<.18	.120	22.0	45.0	2.60	<1.8	<.058	2.20
LGE316	<9.0	<.18	.260	16.0	150.0	3.60	<1.8	<.058	4.60

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGE317	48 20 0	121 8 3	17,000	6,300	21,000.0	11,000	1,300	1,200	310	25.0	55.00
LGE318	48 16 2	121 8 31	7,000	6,600	22,000.0	10,000	1,800	860	310	34.0	37.00
LGE319	48 16 36	121 2 31	7,100	5,500	22,000.0	10,000	1,500	1,300	290	38.0	34.00
LGE320	48 27 54	121 13 0	8,500	3,200	28,000.0	11,000	970	940	360	34.0	36.00
LGE321	48 27 32	121 11 52	9,000	3,600	30,000.0	13,000	1,000	710	360	55.0	L15.00
LGE322	48 27 42	121 12 34	3,300	2,000	12,000.0	5,900	640	420	130	19.0	L6.80
LGE323	48 26 42	121 12 23	20,000	7,800	39,000.0	26,000	2,700	1,200	510	66.0	90.00
LGE535	48 26 10	121 3 41	6,700	4,700	27,000.0	7,500	260	1,000	260	34.0	30.00
LGE536	48 26 13	121 3 40	11,000	4,100	37,000.0	16,000	690	790	510	66.0	32.00
LGE537	48 26 31	121 3 56	16,000	8,400	45,000.0	28,000	1,400	1,500	780	85.0	54.00
LGE538	48 26 32	121 4 13	6,800	4,300	44,000.0	7,700	310	1,200	270	54.0	L25.00
LGE539	48 26 39	121 4 59	8,500	3,800	37,000.0	12,000	480	780	410	56.0	36.00
LGE540	48 26 33	121 5 14	28,000	8,500	40,000.0	33,000	1,800	1,200	460	83.0	230.00
LGE541	48 26 35	121 5 40	24,000	5,600	39,000.0	21,000	1,800	950	380	79.0	160.00
LGE542	48 26 18	121 6 5	11,000	4,400	36,000.0	13,000	400	1,300	430	61.0	44.00
LGE543	48 2 11	121 5 59	8,300	3,400	23,000.0	12,000	1,200	820	170	58.0	27.00
LGE544	48 6 15	120 44 12	6,100	3,700	24,000.0	10,000	1,400	660	270	63.0	32.00
LGE545	48 6 41	120 42 59	2,900	3,400	23,000.0	8,300	1,800	480	190	62.0	L12.00
LGE546	48 18 27	120 44 12	13,000	11,000	30,000.0	22,000	2,200	1,900	330	55.0	60.00
LGE547	48 28 42	121 20 11	3,800	2,400	12,000.0	9,700	910	490	190	16.0	15.00
LGE548	48 28 42	121 20 8	4,100	2,600	14,000.0	9,600	1,000	620	210	21.0	15.00
LGE549	48 29 26	121 20 59	4,700	2,900	17,000.0	14,000	960	650	270	24.0	17.00
LGE550	48 29 33	121 21 5	4,700	3,100	27,000.0	27,000	1,600	540	230	42.0	18.00
LGE551	48 29 54	121 21 25	3,700	3,200	27,000.0	9,900	540	630	780	27.0	L8.00
LGE552	48 25 28	121 15 51	1,100	1,300	10,000.0	2,300	210	440	45	16.0	7.50
LGE553	48 25 21	121 15 44	3,800	1,700	16,000.0	13,000	830	700	730	14.0	10.00
LGE554	48 26 36	121 16 9	1,600	1,900	17,000.0	6,300	1,000	380	230	30.0	<2.60
LGE555	48 25 21	121 22 20	2,400	1,900	10,000.0	3,900	560	610	100	21.0	9.80
LGE556	48 27 32	121 18 30	4,400	2,900	14,000.0	5,600	700	870	150	24.0	16.00
LGE557	48 27 0	121 21 6	3,300	2,900	9,700.0	8,200	720	450	210	11.0	13.00
LGE558	48 29 10	121 16 55	8,800	5,300	24,000.0	15,000	940	1,400	390	48.0	<2.90
LGE559	48 26 31	121 6 16	23,000	6,800	36,000.0	24,000	1,500	1,400	540	67.0	150.00
LGE560	48 26 21	121 6 10	11,000	3,500	34,000.0	13,000	360	970	440	55.0	39.00
LGE561	48 26 25	121 6 11	6,600	3,600	33,000.0	7,600	300	1,100	250	44.0	26.00
LGE562	48 25 29	121 5 12	11,000	2,900	31,000.0	12,000	370	910	450	47.0	47.00
LGE563	48 23 50	121 6 38	10,000	5,400	32,000.0	14,000	700	1,300	490	58.0	34.00
LGE564	48 23 45	121 6 48	11,000	5,700	35,000.0	18,000	1,800	1,700	480	52.0	32.00
LGE565	48 22 55	121 13 6	3,300	1,700	30,000.0	7,500	720	400	130	68.0	<.25
LGE566	48 22 53	121 9 43	5,000	3,100	28,000.0	9,700	1,200	810	240	44.0	L10.00
LGE567	48 23 52	121 11 24	6,800	5,000	52,000.0	13,000	1,400	670	330	110.0	<.25
LGE568	48 25 56	121 12 22	2,600	2,700	54,000.0	5,500	740	840	170	140.0	<.25
LGE569	48 24 22	121 8 35	5,300	4,000	25,000.0	13,000	1,100	690	440	47.0	<2.30
LGE570	48 24 15	121 8 48	2,900	2,900	13,000.0	6,100	610	840	160	15.0	<2.00
LGE571	48 24 17	121 8 48	6,500	3,000	22,000.0	9,100	640	900	260	23.0	26.00
LGE572	48 27 37	121 10 34	17,000	5,200	41,000.0	21,000	960	1,400	670	75.0	120.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGE317	110.0	15.0	17.00	42.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE318	29.0	11.0	17.00	54.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE319	20.0	11.0	14.00	61.0	<.77	<3.3	<1.3	<.38	<.25	L4.8
LGE320	38.0	17.0	32.00	53.0	L1.10	<3.3	<1.3	<.38	<.25	<3.8
LGE321	17.0	15.0	28.00	63.0	L.87	<3.3	<1.3	<.38	<.25	<3.8
LGE322	8.2	9.2	20.00	35.0	3.60	L5.0	<1.3	<.38	<.25	<3.8
LGE323	80.0	30.0	27.00	71.0	L.82	<3.3	<1.3	<.38	<.25	<3.8
LGE535	19.0	11.0	24.00	28.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE536	21.0	14.0	21.00	52.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE537	35.0	26.0	68.00	79.0	<.77	<3.3	<1.3	<.38	<.25	L5.0
LGE538	20.0	18.0	27.00	31.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE539	21.0	12.0	15.00	52.0	<.77	<3.3	<1.3	<.38	<.25	L4.6
LGE540	280.0	33.0	53.00	95.0	<.77	<3.3	<1.3	<.38	<.25	17.0
LGE541	180.0	24.0	30.00	75.0	<.77	<3.3	<1.3	<.38	<.25	L9.1
LGE542	30.0	15.0	29.00	62.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE543	25.0	10.0	25.00	52.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE544	13.0	6.9	8.90	45.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE545	8.8	L5.4	3.10	41.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE546	40.0	14.0	15.00	73.0	<.77	<3.3	<1.3	<.38	<.25	L5.0
LGE547	5.8	<2.4	2.60	31.0	<.77	<3.3	<1.3	<.38	<.25	L4.6
LGE548	7.3	L3.9	3.60	34.0	<.77	<3.3	<1.3	<.38	<.25	L5.2
LGE549	9.0	L5.9	6.80	37.0	<.77	<3.3	<1.3	<.38	<.25	L5.6
LGE550	13.0	7.0	8.60	45.0	<.77	<3.3	<1.3	<.38	<.25	L5.3
LGE551	23.0	9.1	43.00	120.0	<.77	<3.3	<1.3	<.38	L.55	L3.8
LGE552	3.0	<2.4	4.80	14.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE553	12.0	L4.7	11.00	110.0	<.77	<3.3	<1.3	<.38	<.25	33.0
LGE554	4.1	L3.5	1.30	52.0	<.77	<3.3	<1.3	<.38	<.25	L3.9
LGE555	6.0	<2.4	4.80	22.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE556	10.0	L2.5	5.20	28.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE557	6.6	<2.4	3.40	41.0	<.77	<3.3	<1.3	<.38	<.25	10.0
LGE558	9.9	9.6	18.00	54.0	<.77	<3.3	<1.3	<.38	<.25	12.0
LGE559	140.0	27.0	47.00	71.0	<.77	<3.3	<1.3	<.38	<.25	L8.1
LGE560	28.0	14.0	32.00	54.0	<.77	<3.3	<1.3	<.38	<.25	L6.2
LGE561	19.0	10.0	19.00	31.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE562	29.0	14.0	28.00	47.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE563	23.0	12.0	23.00	61.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE564	40.0	16.0	50.00	130.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE565	3.4	6.7	73.00	25.0	11.00	<3.3	<1.3	<.38	L.48	<3.8
LGE566	19.0	12.0	25.00	92.0	<.77	<3.3	<1.3	<.38	L.75	34.0
LGE567	5.3	17.0	120.00	42.0	18.00	<3.3	<1.3	<.38	<.65	<3.8
LGE568	4.5	11.0	29.00	45.0	5.70	<3.3	<1.3	<.38	<.67	<3.8
LGE569	14.0	9.6	28.00	97.0	<.77	<3.3	<1.3	<.38	1.20	<3.8
LGE570	8.4	L5.0	8.00	50.0	<.77	<3.3	<1.3	<.38	L.45	<3.8
LGE571	26.0	16.0	74.00	70.0	3.40	<3.3	<1.3	<.38	L.77	11.0
LGE572	83.0	27.0	36.00	64.0	<.77	<3.3	<1.3	<.38	L1.20	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGE317	<12.0	<.18	.180	18.0	69.0	4.20	<1.8	<.058	3.90
LGE318	<9.8	<.18	.160	13.0	85.0	3.50	<1.8	<.058	4.50
LGE319	L23.0	<.18	.120	17.0	78.0	3.30	<1.8	<.058	3.80
LGE320	L16.0	<.18	.190	9.9	110.0	5.30	L4.3	<.058	2.70
LGE321	<12.0	<.18	.100	13.0	110.0	2.10	<1.8	<.058	3.30
LGE322	L9.7	<.18	L.068	13.0	54.0	2.20	L2.8	<.058	2.20
LGE323	<4.3	<.18	.250	17.0	200.0	3.80	<1.8	<.058	6.90
LGE535	<4.3	<.18	L.059	22.0	27.0	2.40	<1.8	<.058	.90
LGE536	<4.3	<.18	.120	22.0	67.0	2.60	<1.8	<.058	2.30
LGE537	L61.0	<.18	.250	66.0	170.0	7.30	L4.3	<.058	3.70
LGE538	<10.0	<.18	L.059	23.0	27.0	2.80	<1.8	<.058	1.40
LGE539	<5.5	<.18	.086	22.0	38.0	2.90	<1.8	<.058	1.90
LGE540	L58.0	<.18	.340	49.0	200.0	4.60	<1.8	<.058	4.70
LGE541	L35.0	<.18	.230	33.0	140.0	4.10	<1.8	<.058	4.50
LGE542	61.0	<.18	.120	23.0	44.0	3.90	<1.8	<.058	1.80
LGE543	<4.3	<.18	.091	12.0	120.0	2.10	<1.8	<.058	2.30
LGE544	<4.3	<.18	.120	26.0	52.0	2.90	<1.8	<.058	2.70
LGE545	<4.3	<.18	L.077	21.0	46.0	5.20	5.5	<.058	3.40
LGE546	<4.3	<.18	.150	85.0	140.0	8.90	7.1	.350	4.70
LGE547	<4.3	<.18	.190	12.0	59.0	6.20	11.0	1.100	1.70
LGE548	<4.3	<.18	.140	12.0	63.0	6.40	11.0	1.200	2.00
LGE549	48.0	<.18	.210	15.0	73.0	6.90	12.0	1.100	2.00
LGE550	<4.3	<.18	.340	22.0	64.0	6.70	8.5	<.058	3.50
LGE551	L24.0	<.18	.230	16.0	81.0	9.00	14.0	1.100	1.30
LGE552	<4.3	<.18	L.033	8.7	16.0	L.84	<1.8	<.058	<.32
LGE553	<4.3	<.18	.310	13.0	46.0	2.80	L3.0	<.058	1.30
LGE554	<4.3	<.18	.230	14.0	24.0	3.60	L4.2	<.058	1.70
LGE555	<4.3	<.18	L.053	7.4	36.0	6.90	12.0	1.700	1.10
LGE556	<4.3	<.18	L.076	10.0	35.0	5.00	7.3	1.100	1.20
LGE557	<4.3	<.18	.230	21.0	44.0	5.70	6.8	.890	1.10
LGE558	<4.3	<.18	.150	31.0	86.0	L.92	<1.8	<.058	1.70
LGE559	<4.3	<.18	.190	30.0	180.0	4.30	<1.8	<.058	4.00
LGE560	86.0	<.18	.100	22.0	41.0	2.70	<1.8	<.058	1.60
LGE561	<4.3	<.18	L.055	22.0	25.0	2.60	<1.8	<.058	1.20
LGE562	58.0	<.18	.100	17.0	37.0	3.20	<1.8	<.058	1.50
LGE563	<4.3	<.18	.120	34.0	57.0	4.50	<1.8	<.058	2.20
LGE564	<4.3	<.18	.240	24.0	150.0	4.20	<1.8	<.058	4.40
LGE565	<4.3	<.18	L.075	12.0	42.0	1.70	<1.8	<.058	1.50
LGE566	L16.0	<.18	.200	19.0	36.0	3.60	L3.3	<.058	1.80
LGE567	<4.3	<.18	.150	36.0	84.0	3.90	<1.8	<.058	3.20
LGE568	<5.8	<.18	L.050	12.0	40.0	2.60	<1.8	<.058	2.30
LGE569	<4.3	<.18	.300	24.0	94.0	3.00	<1.8	<.058	1.80
LGE570	L11.0	<.18	.130	15.0	25.0	2.50	L2.8	<.058	.90
LGE571	L18.0	<.18	.270	20.0	45.0	4.10	4.9	<.058	1.10
LGE572	<14.0	<.18	.220	36.0	110.0	6.50	L3.9	<.058	1.50

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGE573	48 27 9	121 6 46	29,000	6,900	43,000.0	28,000	1,400	1,700	560	95.0	130.00
LGE574	48 22 17	121 5 5	7,500	6,600	26,000.0	14,000	1,200	1,000	770	33.0	18.00
LGE575	48 22 11	121 5 5	5,900	5,000	14,000.0	6,900	720	1,700	160	21.0	43.00
LGE576	48 27 29	121 2 14	11,000	4,200	31,000.0	14,000	710	1,100	410	46.0	34.00
LGE577	48 27 36	121 2 33	10,000	4,300	27,000.0	15,000	510	970	420	39.0	47.00
LGE578	48 20 21	121 1 30	14,000	6,400	30,000.0	17,000	1,300	1,400	360	51.0	78.00
LGE579	48 21 39	121 0 15	16,000	4,500	43,000.0	20,000	740	1,200	620	85.0	L16.00
LGE580	48 25 12	121 0 20	11,000	5,300	32,000.0	14,000	500	920	400	57.0	L17.00
LGE581	48 25 14	121 0 19	15,000	10,000	36,000.0	23,000	1,300	1,600	650	58.0	63.00
LGE582	48 23 19	120 52 36	6,000	4,800	25,000.0	13,000	1,700	750	450	36.0	<5.00
LGE583	48 22 33	121 2 18	6,300	5,800	39,000.0	12,000	1,300	990	230	89.0	<.25
LGE584	48 23 0	121 0 51	16,000	6,000	44,000.0	18,000	1,300	1,500	630	62.0	L25.00
LGE585	48 23 19	121 3 9	11,000	3,400	55,000.0	15,000	860	1,000	670	84.0	L21.00
LGE586	48 26 59	120 59 22	10,000	8,400	32,000.0	14,000	1,500	1,400	480	52.0	43.00
LGE587	48 24 17	121 12 0	5,800	3,400	19,000.0	11,000	1,400	840	190	26.0	41.00
LGE588	48 25 50	121 20 27	1,500	1,200	7,100.0	4,500	380	280	120	9.1	L2.00
LGE589	48 22 8	121 22 59	11,000	2,700	31,000.0	20,000	1,000	650	400	49.0	31.00
LGE590	48 2 36	121 18 6	11,000	4,400	32,000.0	16,000	1,100	840	330	68.0	30.00
LGE591	48 4 24	121 18 27	6,700	5,500	20,000.0	9,900	800	1,600	200	41.0	14.00
LGE592	47 58 41	121 2 45	16,000	6,100	40,000.0	24,000	2,500	1,400	310	110.0	59.00
LGE593	47 59 18	120 58 54	6,800	2,600	21,000.0	11,000	1,300	610	130	54.0	18.00
LGE594	47 57 34	121 16 48	7,100	2,600	27,000.0	17,000	1,100	340	330	68.0	24.00
LGE595	47 57 24	121 16 48	6,500	4,000	37,000.0	20,000	1,000	690	790	85.0	27.00
LGE596	47 56 53	121 8 42	14,000	2,800	41,000.0	41,000	1,300	1,300	330	93.0	62.00
LGE597	47 56 54	121 8 36	9,100	5,600	30,000.0	17,000	880	950	440	63.0	38.00
LGE598	47 55 59	121 14 15	8,000	6,300	26,000.0	18,000	1,200	690	220	72.0	36.00
LGE599	48 11 13	121 1 42	2,600	2,900	53,000.0	6,200	920	670	220	210.0	L11.00
LGE600	48 13 28	120 42 30	3,000	2,800	20,000.0	8,100	1,200	460	180	48.0	L8.50
LGE601	48 13 25	120 42 33	8,500	3,300	21,000.0	9,900	770	600	190	50.0	69.00
LGE602	48 13 29	120 41 25	2,600	3,800	21,000.0	12,000	1,300	450	250	49.0	L9.50
LGE603	48 13 25	120 41 29	1,300	2,700	19,000.0	7,000	1,800	440	230	48.0	L10.00
LGE604	48 13 41	120 40 54	1,600	2,200	17,000.0	5,400	1,500	290	150	41.0	L10.00
LGE605	48 13 37	120 40 55	3,200	4,100	20,000.0	9,200	1,300	510	250	46.0	19.00
LGE606	48 27 13	121 15 27	9,700	2,900	22,000.0	10,000	950	580	320	36.0	69.00
LGE607	48 27 9	121 15 30	13,000	4,700	27,000.0	19,000	1,400	840	420	46.0	61.00
LGE608	48 27 8	121 15 32	9,600	3,500	23,000.0	17,000	1,100	670	390	38.0	51.00
LGE609	48 27 6	121 15 31	10,000	4,900	25,000.0	16,000	1,300	920	390	40.0	49.00
LGE610	48 27 6	121 15 22	6,700	2,300	20,000.0	13,000	1,100	570	330	25.0	28.00
LGE611	48 27 13	121 15 19	9,300	3,400	22,000.0	14,000	1,200	610	340	34.0	58.00
LGE612	48 20 22	120 42 48	5,400	9,600	20,000.0	14,000	1,400	1,500	450	29.0	24.00
LGE613	48 21 2	120 43 33	8,600	6,700	31,000.0	14,000	1,500	1,200	340	72.0	22.00
LGE614	48 21 21	120 43 53	6,000	5,200	19,000.0	9,600	920	990	280	33.0	16.00
LGE615	48 19 50	121 2 15	11,000	4,600	30,000.0	10,000	1,100	1,200	300	100.0	56.00
LGE616	48 19 48	121 2 15	17,000	4,200	42,000.0	7,500	830	920	420	180.0	73.00
LGE617	48 20 0	121 1 40	1,500	4,200	66,000.0	4,400	360	670	140	340.0	<.25

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGE573	120.0	35.0	42.00	60.0	<.77	<3.3	<1.3	<.38	L.98	<3.8
LGE574	26.0	L16.0	25.00	96.0	<2.30	<10.0	<3.8	<1.10	L1.40	<11.0
LGE575	29.0	9.1	25.00	38.0	<.77	<3.3	<1.3	<.38	L.43	<3.8
LGE576	34.0	19.0	66.00	59.0	<.77	<3.3	<1.3	<.38	L.98	<3.8
LGE577	34.0	17.0	120.00	70.0	L1.70	<3.3	<1.3	<.38	L.90	L9.3
LGE578	68.0	20.0	36.00	82.0	<.77	<3.3	<1.3	<.38	L.83	<3.8
LGE579	32.0	28.0	82.00	82.0	<.77	<3.3	<1.3	<.38	L1.30	<3.8
LGE580	21.0	16.0	27.00	58.0	<.77	<3.3	<1.3	<.38	L.98	<3.8
LGE581	53.0	28.0	39.00	77.0	<.77	<3.3	<1.3	<.38	L1.20	<3.8
LGE582	12.0	11.0	4.90	57.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE583	13.0	26.0	28.00	49.0	<.77	<3.3	<1.3	<.38	L.85	<3.8
LGE584	39.0	25.0	57.00	110.0	<.77	<3.3	<1.3	<.38	L1.30	<3.8
LGE585	47.0	27.0	69.00	100.0	L1.60	<3.3	<1.3	<.38	L1.30	<3.8
LGE586	39.0	22.0	51.00	66.0	L1.50	<3.3	<1.3	<.38	L.77	<3.8
LGE587	21.0	10.0	8.60	56.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE588	3.0	<2.4	1.70	23.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE589	40.0	17.0	34.00	64.0	<.77	<3.3	<1.3	<.38	L.50	<3.8
LGE590	35.0	16.0	68.00	67.0	<.89	<3.8	<1.4	<.43	L.66	<4.3
LGE591	14.0	9.1	43.00	39.0	L1.60	<3.3	<1.3	<.38	L.40	<3.8
LGE592	<59.0	<120.0	54.00	190.0	<39.00	<170.0	<63.0	<19.00	<13.00	<190.0
LGE593	22.0	9.4	12.00	42.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE594	19.0	11.0	13.00	62.0	<.77	<3.3	<1.3	<.38	L.55	<3.8
LGE595	22.0	24.0	28.00	53.0	3.50	<3.3	<1.3	<.38	L1.20	<3.8
LGE596	72.0	28.0	72.00	200.0	<.77	<3.3	<1.3	<.38	L1.30	<3.8
LGE597	37.0	15.0	26.00	120.0	<.77	<3.3	<1.3	1.00	L1.20	<3.8
LGE598	29.0	13.0	28.00	63.0	<.77	<3.3	<1.3	<.38	L.50	<3.8
LGE599	8.0	14.0	47.00	38.0	L1.00	<3.3	<1.3	<.38	<.25	<3.8
LGE600	7.4	7.8	5.40	36.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE601	43.0	14.0	13.00	39.0	L.99	<3.3	<1.3	<.38	<.25	<3.8
LGE602	7.9	7.4	5.70	38.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE603	5.6	6.9	2.20	37.0	L.78	<3.3	<1.3	<.38	<.25	<3.8
LGE604	5.2	6.2	.45	33.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE605	12.0	7.2	5.20	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE606	80.0	15.0	30.00	54.0	L.85	<3.3	<1.3	<.38	<.25	<3.8
LGE607	55.0	17.0	27.00	79.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE608	48.0	13.0	21.00	69.0	<.77	<3.3	<1.3	<.38	<.25	L4.2
LGE609	53.0	15.0	26.00	74.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE610	21.0	8.7	19.00	63.0	<.77	<3.3	<1.3	<.38	<.25	L4.0
LGE611	54.0	12.0	25.00	64.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE612	17.0	8.4	12.00	67.0	<.77	<3.3	<1.3	<.38	<.25	L5.9
LGE613	26.0	16.0	18.00	91.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE614	12.0	7.3	8.90	52.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE615	64.0	14.0	14.00	57.0	<.77	<3.3	<1.3	<.38	<.25	L5.9
LGE616	150.0	20.0	24.00	45.0	<.77	<3.3	<1.3	<.38	<.25	L5.5
LGE617	L2.0	10.0	12.00	12.0	<.77	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGE573	<4.3	<.18	.250	15.0	98.0	4.80	<1.8	<.058	2.00
LGE574	L20.0	<.53	L.230	27.0	140.0	5.50	<5.5	1.700	2.70
LGE575	L8.8	<.18	.100	13.0	62.0	2.70	<1.8	.350	1.00
LGE576	L39.0	<.18	.150	23.0	80.0	4.60	L2.9	<.058	1.20
LGE577	L25.0	<.18	.180	39.0	66.0	4.90	L3.6	<.058	.83
LGE578	L24.0	<.18	.250	32.0	150.0	3.90	<1.8	<.058	1.90
LGE579	<10.0	<.18	.130	20.0	56.0	5.00	<1.8	<.058	1.40
LGE580	<9.3	<.18	.100	26.0	79.0	3.40	<1.8	<.058	.92
LGE581	<4.3	<.18	.300	72.0	130.0	7.30	6.2	<.058	2.80
LGE582	<4.3	<.18	.270	29.0	100.0	7.90	12.0	2.300	3.10
LGE583	<5.5	<.18	L.050	39.0	43.0	2.40	<1.8	<.058	1.80
LGE584	L51.0	<.18	.200	36.0	110.0	6.40	5.3	<.058	2.00
LGE585	220.0	<.18	.180	18.0	47.0	5.10	L2.8	<.058	1.50
LGE586	L18.0	<.18	.380	60.0	120.0	7.90	10.0	<.058	2.80
LGE587	<4.3	<.18	.200	17.0	74.0	2.60	<1.8	<.058	2.30
LGE588	<4.3	<.18	.130	7.9	22.0	2.00	L2.7	.150	L.65
LGE589	<4.3	<.18	.220	11.0	90.0	4.10	<1.8	<.058	1.30
LGE590	84.0	<.20	.200	14.0	110.0	3.30	<2.1	<.066	1.80
LGE591	L15.0	<.18	L.075	15.0	82.0	2.90	L2.6	1.800	1.20
LGE592	<210.0	<8.80	<1.600	21.0	330.0	<23.00	<90.0	<2.900	<16.00
LGE593	<4.3	<.18	L.075	9.4	100.0	2.50	<1.8	<.058	1.70
LGE594	<4.3	<.18	.300	10.0	82.0	3.40	<1.8	<.058	1.80
LGE595	<4.3	<.18	.300	14.0	60.0	6.20	8.7	<.058	1.80
LGE596	<4.3	<.18	.520	11.0	170.0	9.00	22.0	.980	1.00
LGE597	<4.3	<.18	.250	23.0	110.0	6.60	7.7	.430	1.30
LGE598	<4.3	<.18	.220	36.0	170.0	4.30	<1.8	<.058	2.30
LGE599	48.0	<.18	<.033	12.0	46.0	4.10	L3.6	<.058	6.00
LGE600	<4.3	<.18	.100	18.0	42.0	3.00	L2.3	<.058	2.80
LGE601	<4.3	<.18	L.079	18.0	36.0	2.30	<1.8	<.058	2.40
LGE602	<4.3	<.18	.230	26.0	41.0	6.00	8.6	2.800	3.00
LGE603	<4.3	<.18	.110	19.0	28.0	4.60	4.6	.490	3.40
LGE604	<4.3	<.18	L.051	14.0	21.0	8.20	14.0	.910	3.10
LGE605	<4.3	<.18	.120	28.0	41.0	5.70	6.3	1.300	2.90
LGE606	<4.3	<.18	.110	7.5	97.0	2.30	<1.8	<.058	2.70
LGE607	<4.3	<.18	.290	27.0	130.0	3.40	<1.8	<.058	3.70
LGE608	<4.3	<.18	.230	16.0	90.0	2.70	<1.8	<.058	2.80
LGE609	<4.3	<.18	.290	28.0	100.0	3.90	<1.8	<.058	3.60
LGE610	<4.3	<.18	.210	12.0	89.0	2.50	<1.8	<.058	2.30
LGE611	<4.3	<.18	.180	14.0	100.0	2.60	<1.8	<.058	2.90
LGE612	<4.3	<.18	.330	73.0	120.0	11.00	13.0	2.600	3.60
LGE613	<4.3	<.18	.110	34.0	65.0	5.90	5.5	.740	4.40
LGE614	<4.3	<.18	.100	29.0	51.0	4.60	L3.7	.220	2.40
LGE615	<4.3	<.18	.093	23.0	56.0	5.30	4.8	.160	4.50
LGE616	<4.3	<.18	L.068	21.0	46.0	5.50	<1.8	<.058	4.70
LGE617	<4.3	<.18	<.033	12.0	21.0	4.50	L3.3	<.058	7.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGE618	48 2 11	121 6 5	6,400	3,300	23,000.0	10,000	1,100	930	190	56.0	23.00
LGE619	48 6 22	120 44 13	7,100	5,600	30,000.0	9,900	1,100	1,500	270	65.0	29.00
LGE620	48 15 16	120 42 26	3,300	3,200	18,000.0	9,700	1,100	540	270	38.0	13.00
LGE621	48 15 17	120 42 22	4,200	3,700	21,000.0	9,900	1,600	750	240	46.0	19.00
LGE622	48 22 20	121 22 7	3,500	2,700	9,300.0	7,800	780	290	110	15.0	19.00
LGE623	48 16 13	120 42 11	3,500	3,800	19,000.0	7,700	1,600	1,100	170	47.0	22.00
LGE624	48 23 15	121 22 4	8,600	7,400	19,000.0	19,000	940	880	310	22.0	40.00
LGE625	48 25 35	121 18 48	2,200	2,300	10,000.0	8,500	640	470	360	11.0	8.70
LGE626	48 25 31	121 18 44	2,100	2,500	11,000.0	12,000	650	470	410	6.9	L6.00
LGE627	48 25 29	121 18 45	1,600	1,300	8,700.0	3,500	430	380	100	15.0	5.60
LGE628	48 28 10	121 15 15	9,300	5,000	22,000.0	17,000	1,300	960	360	31.0	L8.70
LGE629	48 27 48	121 15 23	5,800	4,200	21,000.0	11,000	1,400	570	350	34.0	L5.30
LGE630	48 27 58	121 18 25	11,000	3,200	25,000.0	15,000	1,500	540	590	46.0	55.00
LGE631	48 27 8	121 19 44	2,500	1,400	19,000.0	5,200	810	440	160	35.0	<3.70
LGE632	48 29 13	121 17 55	4,800	3,800	15,000.0	8,100	730	1,000	170	25.0	13.00
LGE633	48 28 55	121 14 22	8,200	3,300	21,000.0	11,000	950	830	260	31.0	21.00
LGE634	48 23 3	121 6 20	11,000	6,600	33,000.0	21,000	2,300	1,200	490	54.0	77.00
LGE635	48 23 2	121 6 22	5,800	6,500	16,000.0	8,000	1,100	2,200	200	23.0	43.00
LGE636	48 23 3	121 6 25	4,800	4,000	14,000.0	7,200	740	1,400	150	18.0	21.00
LGE637	48 23 56	121 4 36	10,000	4,100	34,000.0	13,000	390	1,300	480	47.0	44.00
LGE638	48 23 23	121 4 54	14,000	7,300	37,000.0	29,000	1,300	1,000	710	78.0	50.00
LGE639	48 23 22	121 4 56	4,300	2,800	28,000.0	10,000	1,100	560	430	51.0	L11.00
LGE640	48 24 55	121 14 6	2,400	1,800	8,400.0	4,200	520	540	83	14.0	16.00
LGE641	48 26 27	121 12 25	18,000	5,300	27,000.0	17,000	1,200	810	440	46.0	170.00
LGE642	48 25 56	121 12 25	2,200	1,700	8,300.0	3,600	480	610	77	14.0	13.00
LGE643	48 25 52	121 10 30	8,100	3,300	30,000.0	16,000	1,800	800	430	58.0	41.00
LGE644	48 22 52	121 7 48	1,800	2,500	6,500.0	2,900	440	1,000	60	7.7	7.30
LGE645	48 25 54	121 8 0	14,000	12,000	41,000.0	28,000	1,100	1,400	500	75.0	41.00
LGE646	48 28 12	121 13 53	16,000	6,900	44,000.0	28,000	1,900	910	470	130.0	<.25
LGE647	48 27 35	121 8 33	16,000	4,300	35,000.0	14,000	1,100	970	370	77.0	130.00
LGE648	48 28 2	121 7 39	18,000	7,000	38,000.0	21,000	1,900	1,900	500	77.0	97.00
LGE649	48 25 12	121 7 25	7,300	3,700	26,000.0	13,000	1,200	720	220	40.0	42.00
LGE650	48 22 28	121 7 20	2,200	2,900	7,800.0	3,500	480	1,100	72	9.5	5.20
LGE651	48 29 15	121 5 46	15,000	6,500	28,000.0	15,000	1,700	1,900	400	49.0	77.00
LGE652	48 26 33	121 0 58	8,200	3,700	55,000.0	11,000	760	1,200	280	86.0	L14.00
LGE653	48 26 28	121 0 51	8,700	3,700	39,000.0	10,000	610	1,200	270	63.0	25.00
LGE654	48 15 43	120 59 2	5,400	3,300	22,000.0	11,000	1,400	850	460	45.0	22.00
LGE655	48 20 28	120 58 52	8,500	5,200	28,000.0	13,000	1,600	600	310	75.0	25.00
LGE656	48 20 45	120 59 11	14,000	4,600	42,000.0	16,000	1,100	1,100	560	80.0	30.00
LGE657	48 20 42	120 59 50	18,000	3,900	42,000.0	22,000	570	1,200	570	79.0	28.00
LGE658	48 23 20	120 59 36	14,000	6,500	40,000.0	17,000	730	1,600	420	84.0	55.00
LGE659	48 23 57	120 59 32	12,000	8,800	41,000.0	19,000	870	2,200	590	65.0	41.00
LGE660	48 22 34	121 1 22	11,000	3,000	41,000.0	14,000	470	980	480	86.0	L19.00
LGE661	48 23 47	121 2 58	11,000	4,500	31,000.0	13,000	660	1,100	370	47.0	27.00
LGE662	48 26 48	120 57 52	13,000	8,700	36,000.0	19,000	1,300	1,500	500	56.0	37.00

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGE618	20.0	10.0	23.00	49.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE619	18.0	15.0	14.00	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE620	12.0	L5.7	6.20	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE621	19.0	7.8	11.00	51.0	2.80	<3.3	<1.3	<.38	<.25	<3.8
LGE622	7.2	<2.4	4.70	19.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE623	15.0	7.3	4.40	41.0	L1.00	<3.3	<1.3	<.38	<.25	<3.8
LGE624	17.0	10.0	16.00	37.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE625	5.2	L2.4	3.10	41.0	<.77	<3.3	<1.3	<.38	<.25	L5.9
LGE626	5.7	<3.5	2.70	67.0	<1.10	<4.9	<1.8	<.55	<.37	L7.0
LGE627	L2.9	<2.4	3.60	22.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE628	13.0	12.0	17.00	72.0	<.77	<3.3	<1.3	<.38	<.25	30.0
LGE629	9.6	8.0	13.00	52.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE630	86.0	22.0	40.00	61.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE631	4.3	L4.8	.55	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE632	8.1	L4.2	5.50	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE633	24.0	10.0	33.00	48.0	L1.60	<3.3	<1.3	<.38	<.25	L5.5
LGE634	47.0	16.0	50.00	110.0	2.70	<3.3	<1.3	<.38	<.25	<3.8
LGE635	24.0	7.6	25.00	40.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE636	13.0	L5.7	12.00	45.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE637	28.0	15.0	24.00	58.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE638	30.0	21.0	56.00	84.0	<.77	<3.3	<1.3	<.38	<.25	L5.5
LGE639	14.0	12.0	28.00	58.0	L1.10	<3.3	<1.3	<.38	<.25	L8.7
LGE640	8.1	<2.4	7.40	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE641	130.0	22.0	48.00	64.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE642	7.0	<2.4	8.50	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE643	24.0	14.0	34.00	100.0	3.40	<3.3	<1.3	<.38	<.25	<3.8
LGE644	6.0	<2.4	7.60	25.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE645	34.0	25.0	69.00	93.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE646	5.4	24.0	30.00	56.0	<.77	<3.3	<1.3	<.38	<.25	15.0
LGE647	95.0	25.0	40.00	56.0	<.77	<3.3	<1.3	<.38	<.25	L9.0
LGE648	80.0	27.0	38.00	66.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE649	24.0	10.0	53.00	56.0	3.40	<3.3	<1.3	<.38	<.25	L4.4
LGE650	5.7	<2.4	7.70	24.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE651	50.0	19.0	44.00	74.0	<.77	<3.3	<1.3	<.38	<.25	45.0
LGE652	21.0	23.0	48.00	42.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE653	22.0	16.0	28.00	37.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE654	16.0	9.0	32.00	49.0	L.82	<3.3	<1.3	<.38	<.25	12.0
LGE655	<11.0	<22.0	34.00	51.0	<7.00	<30.0	<11.0	<3.40	<2.30	<34.0
LGE656	47.0	20.0	40.00	120.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE657	30.0	25.0	67.00	61.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE658	49.0	21.0	35.00	60.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE659	44.0	25.0	29.00	61.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE660	17.0	21.0	69.00	55.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE661	23.0	15.0	34.00	53.0	<.77	<3.3	<1.3	<.38	<.25	<3.8
LGE662	29.0	18.0	20.00	61.0	<.77	<3.3	<1.3	<.38	<.25	<3.8

Table 3. ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGE618	<4.3	<.18	.084	8.9	82.0	3.10	<1.8	<.058	2.40
LGE619	<4.3	<.18	.085	28.0	63.0	7.00	8.8	<.058	2.80
LGE620	<4.3	<.18	.200	26.0	43.0	7.00	9.2	2.300	2.40
LGE621	<4.3	<.18	.120	31.0	94.0	5.10	L4.4	<.058	3.10
LGE622	<4.3	<.18	L.068	19.0	21.0	L.98	<1.8	<.058	.94
LGE623	<4.3	<.18	.110	28.0	45.0	7.70	11.0	1.000	3.40
LGE624	<4.3	<.18	.150	130.0	210.0	4.10	<1.8	<.058	1.50
LGE625	<4.3	<.18	.280	17.0	46.0	4.90	7.4	.590	1.20
LGE626	<6.2	<.26	.430	20.0	49.0	4.30	L4.3	.500	1.50
LGE627	<4.3	<.18	.088	9.6	27.0	2.00	L2.0	L.130	1.00
LGE628	<4.3	<.18	.180	31.0	210.0	1.20	<1.8	<.058	2.20
LGE629	<4.3	<.18	L.068	20.0	170.0	L1.10	<1.8	<.058	2.30
LGE630	<4.3	<.18	.170	7.5	150.0	2.70	<1.8	<.058	3.40
LGE631	<4.3	<.18	.110	5.9	21.0	5.90	9.4	<.058	1.60
LGE632	<4.3	<.18	.085	23.0	39.0	3.50	L2.0	<.058	1.40
LGE633	<4.3	<.18	.090	13.0	110.0	1.50	<1.8	<.058	1.80
LGE634	<4.3	<.18	.260	27.0	160.0	6.20	L3.8	<.058	6.00
LGE635	<4.3	<.18	.100	18.0	62.0	4.30	L4.0	1.500	2.10
LGE636	<4.3	<.18	.091	14.0	57.0	1.90	<1.8	<.058	1.40
LGE637	L29.0	<.18	.130	29.0	44.0	5.00	L3.4	<.058	1.80
LGE638	<4.3	<.18	.230	55.0	130.0	3.70	<1.8	<.058	3.40
LGE639	<4.3	<.18	.270	19.0	89.0	4.00	L2.2	<.058	2.40
LGE640	<4.3	<.18	L.045	9.2	32.0	1.50	<1.8	.530	.98
LGE641	<4.3	<.18	.200	21.0	140.0	1.90	<1.8	<.058	2.90
LGE642	<4.3	<.18	L.042	7.9	25.0	2.00	L1.9	.720	1.00
LGE643	<4.3	<.18	.280	16.0	150.0	3.00	<1.8	<.058	4.20
LGE644	<4.3	<.18	L.063	11.0	23.0	2.70	L3.6	.430	L.76
LGE645	L65.0	<.18	.140	88.0	130.0	3.20	<1.8	<.058	3.20
LGE646	<4.3	<.18	.110	23.0	190.0	1.90	<1.8	<.058	4.80
LGE647	<8.3	<.18	.100	12.0	72.0	3.00	<1.8	<.058	4.10
LGE648	<4.3	<.18	.190	22.0	150.0	6.20	<1.8	<.058	6.30
LGE649	<4.3	<.18	.250	34.0	90.0	3.30	<1.8	<.058	2.90
LGE650	<4.3	<.18	L.042	8.9	30.0	1.20	<1.8	<.058	L.74
LGE651	<4.3	<.18	.120	37.0	180.0	5.30	<1.8	<.058	3.60
LGE652	L21.0	<.18	L.075	18.0	42.0	2.20	<1.8	<.058	2.90
LGE653	<6.4	<.18	L.072	18.0	43.0	2.80	<1.8	<.058	2.20
LGE654	99.0	<.18	.150	13.0	100.0	4.60	L4.0	2.000	3.50
LGE655	<39.0	<1.60	<.300	24.0	140.0	<4.10	<16.0	<.520	<3.00
LGE656	<6.3	<.18	.140	23.0	86.0	4.50	<1.8	<.058	3.30
LGE657	<4.3	<.18	.092	16.0	34.0	3.10	<1.8	<.058	2.70
LGE658	<4.3	<.18	.140	43.0	110.0	4.50	<1.8	<.058	2.80
LGE659	<4.3	<.18	.260	55.0	150.0	6.80	4.5	<.058	2.70
LGE660	<4.3	<.18	L.074	12.0	31.0	2.20	<1.8	<.058	2.50
LGE661	<4.3	<.18	.094	23.0	62.0	3.50	<1.8	<.058	2.00
LGE662	<4.3	<.18	.400	62.0	86.0	8.30	9.5	<.058	3.00

Table 3. ICP analytical data from aqua regia leaches of stream sediments from the Glacier Peak study area.--continued

Sample	Latitude	Longitude	MG	CA	FE	AL	TI	P	MN	V	CR
LGE663	48 25 1	120 58 2	11,000	7,800	30,000.0	15,000	1,800	1,500	430	50.0	59.00
LGE664	48 19 58	120 56 30	9,500	7,700	29,000.0	22,000	1,500	940	400	57.0	50.00
LGE665	48 20 29	120 59 59	2,500	3,600	45,000.0	4,200	320	770	140	220.0	<4.10
LGE666	48 24 28	121 11 59	3,200	2,300	34,000.0	6,500	360	660	180	86.0	<2.80
LGE786	48 19 24	120 41 25	6,400	5,400	22,000.0	14,000	1,600	980	330	36.0	25.00
LGE863	48 2 15	121 18 3	10,000	7,400	49,000.0	20,000	900	1,500	770	100.0	35.00

Sample	NI	CO	CU	ZN	MO	W	AU	AG	CD	PB
LGE663	38.0	14.0	75.00	73.0	<.77	<3.3	<1.3	<.38	<.25	L4.7
LGE664	25.0	13.0	63.00	56.0	<.77	<3.3	<1.3	<.38	<.25	L4.2
LGE665	9.6	7.3	11.00	16.0	<.77	<3.3	<1.3	<.38	<.25	<3.3
LGE666	L2.9	L4.4	48.00	45.0	5.10	<3.3	<1.3	<.38	<.25	<3.8
LGE786	19.0	6.7	16.00	70.0	<.77	<3.3	<1.3	<.38	<.25	L4.2
LGE863	42.0	22.0	58.00	140.0	<.77	<3.3	<1.3	<.38	<.25	L5.5

Sample	AS	B	BE	SR	BA	LA	CE	Y	NB
LGE663	<4.3	<.18	.360	48.0	75.0	6.30	L3.0	<.058	4.00
LGE664	<4.3	<.18	.200	47.0	120.0	4.80	<1.8	1.300	3.40
LGE665	<4.3	<.18	<.033	10.0	24.0	4.30	L4.5	<.058	4.90
LGE666	<4.3	<.18	L.059	13.0	52.0	1.70	<1.8	<.058	3.00
LGE786	<4.3	<.18	.240	39.0	97.0	7.80	8.9	1.100	3.40
LGE863	L54.0	<.18	.470	31.0	200.0	8.10	6.9	2.100	2.90

Table 4. Fisher-K statistics for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

[The following qualifiers are used in reporting spectrographic data: --, no determination made; N, concentration less than the detection limit; L, detected, but present at a concentration less than the value reported; G, element present at a concentration greater than the upper calibration limit; and H, interfering spectra render analytical lines unusable.]

NO	COLUMN	N	H	L	G	B	T	NO OF UNQUAL VALUES	NO OF IMPROPER QUAL VALUES	MINIMUM	MAXIMUM	NO
1	LATITUDE	0	0	0	0	0	0	771	0	47.931111	48.498333	1
2	LONGITUD	0	0	0	0	0	0	771	0	120.62083	121.42917	2
3	MG	0	0	0	0	0	0	771	0	410.00000	84000.000	3
4	CA	0	0	0	0	0	0	771	0	1200.0000	190000.00	4
5	FE	1	0	0	0	0	0	770	0	3800.0000	170000.00	5
6	AL	0	0	0	0	0	0	771	0	380.00000	41000.000	6
7	TI	0	0	1	0	0	0	770	0	160.00000	3900.0000	7
8	P	0	0	2	0	0	0	769	0	190.00000	2700.0000	8
9	MN	0	0	0	0	0	0	771	0	45.000000	1400.0000	9
10	V	1	0	1	0	0	0	769	0	4.8000000	540.00000	10
11	CR	203	0	137	0	0	0	431	0	3.6000000	390.00000	11
12	NI	8	0	23	0	0	0	740	0	3.0000000	710.00000	12
13	CO	40	0	71	0	0	0	660	0	6.0000000	65.000000	13
14	CU	8	0	0	0	0	0	763	0	0.4500000	1700.0000	14
15	ZN	0	0	1	0	0	0	770	0	10.000000	1400.0000	15
16	MO	583	0	130	0	0	0	58	0	2.0000000	73.000000	16
17	W	716	0	17	0	0	0	38	0	8.4000000	220.00000	17
18	AU	754	0	13	0	0	0	4	0	3.3000000	66.000000	18
19	AG	761	0	4	0	0	0	6	0	0.9500000	4.3000000	19
20	CD	621	0	124	0	0	0	26	0	0.7500000	16.000000	20
21	PB	645	0	68	0	0	0	58	0	9.5000000	200.00000	21
22	AS	542	0	160	0	0	0	69	0	20.000000	1300.0000	22
23	B	751	0	0	0	0	0	20	0	1.3000000	230.00000	23
24	BE	35	0	139	0	0	0	597	0	0.0820000	3.7000000	24
25	SR	0	0	0	0	0	0	771	0	5.9000000	990.00000	25
26	BA	0	0	0	0	0	0	771	0	5.4000000	730.00000	26
27	LA	4	0	17	0	0	0	750	0	1.2000000	20.000000	27
28	CE	258	0	216	0	0	0	297	0	4.5000000	38.000000	28
29	Y	422	0	29	0	0	0	320	0	0.1400000	37.000000	29
30	NB	15	0	51	0	0	0	705	0	0.8300000	18.000000	30

Table 4. Fisher-K statistics for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

NO	COLUMN	K1 MEAN	SQRT(K2) STD DEVIATION	K2 VARIANCE	K3	G1 SKEWNESS	K4	G2 KURTOSIS	NO
1	LATITUDE	48.240676	0.1345818	0.0181123	-1.2343252D-05	-0.0050637	-3.1702793D-04	-0.9663884	1
2	LONGITUD	121.06307	0.1967109	0.0386952	-0.0016115	-0.2117118	-0.0012862	-0.8589947	2
3	MG	6994.7860	5354.7205	28673031.	7.4080966D+11	4.8249879	4.7058725D+16	57.239119	3
4	CA	5319.8444	7033.2260	49466268.	8.2136759D+12	23.608796	1.5153260D+18	619.28104	4
5	FE	26399.351	12117.261	1.4682802D+08	4.8608949D+12	2.7321391	5.4771337D+17	25.405950	5
6	AL	12933.956	5393.2319	29086950.	1.5387410D+11	0.9808854	1.4631396D+15	1.7293759	6
7	TI	1294.0909	562.80971	316754.76	1.6084203D+08	0.9022249	1.6572346D+11	1.6517248	7
8	P	813.42003	384.93016	148171.23	79567977.	1.3950587	5.5743908D+10	2.5390405	8
9	MN	323.46952	182.90853	33455.530	12548823.	2.0506953	8.3111781D+09	7.4255181	9
10	V	57.868270	43.353741	1879.5468	379496.45	4.6572333	1.3440871D+08	38.047061	10
11	CR	37.962181	31.587708	997.78329	153361.20	4.8658773	40498360.	40.678505	11
12	NI	26.668243	44.417106	1972.8793	923610.02	10.539933	5.7164742D+08	146.86801	12
13	CO	13.988636	6.7499480	45.561798	663.51888	2.1575060	18274.193	8.8031178	13
14	CU	28.148506	67.484098	4554.1035	6235202.3	20.288325	1.0285970D+10	495.95179	14
15	ZN	58.535065	61.546768	3788.0046	3343935.3	14.343070	4.2505312D+09	296.22534	15
16	MO	6.9362069	10.532434	110.93217	5588.3465	4.7829632	340587.96	27.676695	16
17	W	17.457895	33.875644	1147.5593	236746.32	6.0900458	49208053.	37.366803	17
18	AU	20.475000	30.383041	923.12917	55725.469	1.9868269	3372893.9	3.9580177	18
19	AG	1.9750000	1.2335923	1.5217500	3.1602376	1.6834676	7.3963296	3.1939612	19
20	CD	3.1019231	3.6403703	13.252296	145.53024	3.0165919	1537.2508	8.7531117	20
21	PB	26.405172	29.414977	865.24085	105688.87	4.1526347	16138827.	21.557477	21
22	AS	134.59420	203.28662	41325.451	38062319.	4.5307369	3.8477586D+10	22.530593	22
23	B	44.610000	64.184683	4119.6736	663812.38	2.5104475	94772277.	5.5841323	23
24	BE	0.1825662	0.1657687	0.0274793	0.0742889	16.308584	0.2576881	341.25884	24
25	SR	27.546693	37.552598	1410.1976	1165508.0	22.008746	1.1174400D+09	561.90681	25
26	BA	78.324773	54.879847	3011.7976	531971.07	3.2184690	2.4566643D+08	27.082843	26
27	LA	4.8398667	2.6281362	6.9071001	32.561197	1.7937286	232.16611	4.8663947	27
28	CE	9.4575758	5.1401130	26.420762	301.50865	2.2201472	4882.3925	6.9942640	28
29	Y	1.8808125	2.8347384	8.0357417	178.63838	7.8421622	5486.8585	84.971215	29
30	NB	3.2631631	1.8207577	3.3151586	13.435941	2.2259307	128.27549	11.671726	30

NOTE: THE ABOVE STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY.

Table 5. Correlation coefficients for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

COLUMN	VERSUS	COLUMN	CORRELATION COEFFICIENT	NO. OF PAIRS
1 (MG)	2 (CA)		0.4729	771
1 (MG)	3 (FE)		0.5745	770
1 (MG)	4 (AL)		0.5879	771
1 (MG)	5 (TI)		0.2525	770
1 (MG)	6 (P)		0.5854	769
1 (MG)	7 (MN)		0.6120	771
1 (MG)	8 (V)		0.2500	769
1 (MG)	9 (CR)		0.7499	431
1 (MG)	10 (NI)		0.7770	740
1 (MG)	11 (CO)		0.6506	660
1 (MG)	12 (CU)		0.5113	763
1 (MG)	13 (ZN)		0.5701	770
1 (MG)	14 (MO)		0.0335	58
1 (MG)	15 (W)		-0.2439	38
1 (MG)	16 (AU)		-0.8473	4
1 (MG)	17 (AG)		0.0314	6
1 (MG)	18 (CD)		0.1499	26
1 (MG)	19 (PB)		0.0770	58
1 (MG)	20 (AS)		0.1104	69
1 (MG)	21 (B)		0.0598	20
1 (MG)	22 (BE)		0.1767	597
1 (MG)	23 (SR)		0.0784	771
1 (MG)	24 (BA)		0.7339	771
1 (MG)	25 (LA)		0.1695	750
1 (MG)	26 (CE)		0.1686	297
1 (MG)	27 (Y)		0.0742	320
1 (MG)	28 (NB)		0.2673	705
2 (CA)	3 (FE)		0.3734	770
2 (CA)	4 (AL)		0.4396	771
2 (CA)	5 (TI)		0.4308	770
2 (CA)	6 (P)		0.5715	769
2 (CA)	7 (MN)		0.4997	771
2 (CA)	8 (V)		0.2012	769
2 (CA)	9 (CR)		0.3705	431
2 (CA)	10 (NI)		0.3036	740
2 (CA)	11 (CO)		0.3415	660
2 (CA)	12 (CU)		0.2248	763
2 (CA)	13 (ZN)		0.3862	770
2 (CA)	14 (MO)		-0.1454	58
2 (CA)	15 (W)		0.0229	38
2 (CA)	16 (AU)		-0.2048	4
2 (CA)	17 (AG)		0.3055	6
2 (CA)	18 (CD)		0.2986	26
2 (CA)	19 (PB)		0.1545	58
2 (CA)	20 (AS)		-0.0445	69
2 (CA)	21 (B)		0.3433	20
2 (CA)	22 (BE)		0.3003	597
2 (CA)	23 (SR)		0.7204	771
2 (CA)	24 (BA)		0.4427	771
2 (CA)	25 (LA)		0.3020	750
2 (CA)	26 (CE)		0.1334	297
2 (CA)	27 (Y)		0.2302	320
2 (CA)	28 (NB)		0.3209	705
3 (FE)	4 (AL)		0.3797	770
3 (FE)	5 (TI)		0.3166	769
3 (FE)	6 (P)		0.4706	768
3 (FE)	7 (MN)		0.6370	770
3 (FE)	8 (V)		0.8146	768
3 (FE)	9 (CR)		0.6661	430
3 (FE)	10 (NI)		0.4349	739
3 (FE)	11 (CO)		0.7347	659
3 (FE)	12 (CU)		0.4389	762
3 (FE)	13 (ZN)		0.5447	769
3 (FE)	14 (MO)		0.3325	57
3 (FE)	15 (W)		0.6890	37
3 (FE)	16 (AU)		0.9963	3
3 (FE)	17 (AG)		-0.6941	5
3 (FE)	18 (CD)		0.4215	25
3 (FE)	19 (PB)		0.0896	57
3 (FE)	20 (AS)		0.3804	68
3 (FE)	21 (B)		0.1934	19
3 (FE)	22 (BE)		0.2509	597
3 (FE)	23 (SR)		0.1834	770
3 (FE)	24 (BA)		0.3916	770
3 (FE)	25 (LA)		0.3457	749
3 (FE)	26 (CE)		0.2105	296
3 (FE)	27 (Y)		0.2642	319
3 (FE)	28 (NB)		0.5775	704
4 (AL)	5 (TI)		0.3473	770
4 (AL)	6 (P)		0.3414	769
4 (AL)	7 (MN)		0.5552	771
4 (AL)	8 (V)		0.1867	769
4 (AL)	9 (CR)		0.4821	431
4 (AL)	10 (NI)		0.3774	740
4 (AL)	11 (CO)		0.5226	660
4 (AL)	12 (CU)		0.4951	763
4 (AL)	13 (ZN)		0.5613	770
4 (AL)	14 (MO)		0.0040	58
4 (AL)	15 (W)		-0.3031	38
4 (AL)	16 (AU)		-0.5385	4
4 (AL)	17 (AG)		-0.0000	6
4 (AL)	18 (CD)		-0.0792	26
4 (AL)	19 (PB)		0.0449	58
4 (AL)	20 (AS)		0.3843	69
4 (AL)	21 (B)		0.0696	20
4 (AL)	22 (BE)		0.3161	597
4 (AL)	23 (SR)		0.3091	771
4 (AL)	24 (BA)		0.5377	771
4 (AL)	25 (LA)		0.2420	750
4 (AL)	26 (CE)		0.0794	297

Table 5. Correlation coefficients for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

COLUMN	VERSUS COLUMN	CORRELATION COEFFICIENT	NO. OF PAIRS
4 (AL)	27 (Y)	0.1229	320
4 (AL)	28 (NB)	0.0863	705
5 (TI)	6 (P)	0.2239	769
5 (TI)	7 (MN)	0.1673	770
5 (TI)	8 (V)	0.3289	769
5 (TI)	9 (CR)	0.3190	431
5 (TI)	10 (NI)	0.2380	740
5 (TI)	11 (CO)	0.1502	660
5 (TI)	12 (CU)	0.0110	763
5 (TI)	13 (ZN)	0.2514	770
5 (TI)	14 (MO)	0.0777	58
5 (TI)	15 (W)	0.0754	38
5 (TI)	16 (AU)	0.1829	4
5 (TI)	17 (AG)	0.5404	6
5 (TI)	18 (CD)	-0.1815	26
5 (TI)	19 (PB)	-0.3653	58
5 (TI)	20 (AS)	0.0425	69
5 (TI)	21 (B)	0.2344	20
5 (TI)	22 (BE)	0.0146	596
5 (TI)	23 (SR)	0.2849	770
5 (TI)	24 (BA)	0.2900	770
5 (TI)	25 (LA)	0.2121	750
5 (TI)	26 (CE)	0.0416	297
5 (TI)	27 (Y)	0.1905	319
5 (TI)	28 (NB)	0.6378	705
6 (P)	7 (MN)	0.4855	769
6 (P)	8 (V)	0.1781	769
6 (P)	9 (CR)	0.3874	431
6 (P)	10 (NI)	0.4648	740
6 (P)	11 (CO)	0.4128	660
6 (P)	12 (CU)	0.3033	762
6 (P)	13 (ZN)	0.4649	769
6 (P)	14 (MO)	0.0303	58
6 (P)	15 (W)	0.3165	38
6 (P)	16 (AU)	0.3796	4
6 (P)	17 (AG)	-0.0625	6
6 (P)	18 (CD)	0.4016	26
6 (P)	19 (PB)	0.2356	58
6 (P)	20 (AS)	-0.1271	69
6 (P)	21 (B)	0.5042	19
6 (P)	22 (BE)	0.1970	596
6 (P)	23 (SR)	0.2180	769
6 (P)	24 (BA)	0.5336	769
6 (P)	25 (LA)	0.4357	750
6 (P)	26 (CE)	0.4264	297
6 (P)	27 (Y)	0.2724	319
6 (P)	28 (NB)	0.2652	705
7 (MN)	8 (V)	0.2848	769
7 (MN)	9 (CR)	0.5236	431
7 (MN)	10 (NI)	0.4493	740
7 (MN)	11 (CO)	0.6695	660
7 (MN)	12 (CU)	0.4672	763
7 (MN)	13 (ZN)	0.7430	770
7 (MN)	14 (MO)	-0.0254	58
7 (MN)	15 (W)	0.0976	38
7 (MN)	16 (AU)	-0.6868	4
7 (MN)	17 (AG)	-0.5827	6
7 (MN)	18 (CD)	0.4374	26
7 (MN)	19 (PB)	0.4454	58
7 (MN)	20 (AS)	0.3207	69
7 (MN)	21 (B)	0.4365	20
7 (MN)	22 (BE)	0.5294	597
7 (MN)	23 (SR)	0.2756	771
7 (MN)	24 (BA)	0.5254	771
7 (MN)	25 (LA)	0.4353	750
7 (MN)	26 (CE)	0.3085	297
7 (MN)	27 (Y)	0.3302	320
7 (MN)	28 (NB)	0.3061	705
8 (V)	9 (CR)	0.5411	431
8 (V)	10 (NI)	0.2159	740
8 (V)	11 (CO)	0.4498	660
8 (V)	12 (CU)	0.2368	762
8 (V)	13 (ZN)	0.2051	769
8 (V)	14 (MO)	0.2765	58
8 (V)	15 (W)	0.7310	38
8 (V)	16 (AU)	0.9571	4
8 (V)	17 (AG)	-0.0004	6
8 (V)	18 (CD)	0.5172	26
8 (V)	19 (PB)	-0.1384	58
8 (V)	20 (AS)	0.1312	69
8 (V)	21 (B)	0.3606	19
8 (V)	22 (BE)	0.0211	596
8 (V)	23 (SR)	0.1284	769
8 (V)	24 (BA)	0.0647	769
8 (V)	25 (LA)	0.2045	750
8 (V)	26 (CE)	-0.0276	297
8 (V)	27 (Y)	0.1546	319
8 (V)	28 (NB)	0.5751	705
9 (CR)	10 (NI)	0.7490	426
9 (CR)	11 (CO)	0.7207	398
9 (CR)	12 (CU)	0.5155	429
9 (CR)	13 (ZN)	0.4747	431
9 (CR)	14 (MO)	0.2108	26
9 (CR)	15 (W)	0.8063	29
9 (CR)	16 (AU)	0.9999	3
9 (CR)	17 (AG)	-0.1554	3
9 (CR)	18 (CD)	0.9000	9
9 (CR)	19 (PB)	0.1729	21
9 (CR)	20 (AS)	0.4058	21
9 (CR)	21 (B)	0.5353	4

Table 5. Correlation coefficients for ICP analytical data from aqua–regia leaches of stream sediments from the Glacier Peak study area

COLUMN	VERSUS	COLUMN	CORRELATION COEFFICIENT	NO. OF PAIRS
9 (CR)	22 (BE)		0.2806	355
9 (CR)	23 (SR)		0.1756	431
9 (CR)	24 (BA)		0.4555	431
9 (CR)	25 (LA)		0.2078	424
9 (CR)	26 (CE)		0.1484	151
9 (CR)	27 (Y)		0.1204	192
9 (CR)	28 (NB)		0.3860	416
10 (NI)	11 (CO)		0.6412	657
10 (NI)	12 (CU)		0.4246	734
10 (NI)	13 (ZN)		0.4273	740
10 (NI)	14 (MO)		-0.1471	55
10 (NI)	15 (W)		-0.0408	38
10 (NI)	16 (AU)		0.1110	4
10 (NI)	17 (AG)		-0.1621	6
10 (NI)	18 (CD)		0.1029	25
10 (NI)	19 (PB)		0.1931	56
10 (NI)	20 (AS)		0.0664	65
10 (NI)	21 (B)		0.0954	10
10 (NI)	22 (BE)		0.2326	581
10 (NI)	23 (SR)		-0.0247	740
10 (NI)	24 (BA)		0.5066	740
10 (NI)	25 (LA)		0.1515	730
10 (NI)	26 (CE)		0.1616	292
10 (NI)	27 (Y)		0.0292	309
10 (NI)	28 (NB)		0.2755	696
11 (CO)	12 (CU)		0.5554	655
11 (CO)	13 (ZN)		0.5591	660
11 (CO)	14 (MO)		0.1532	54
11 (CO)	15 (W)		0.5899	38
11 (CO)	16 (AU)		0.5060	4
11 (CO)	17 (AG)		-0.3441	6
11 (CO)	18 (CD)		0.6491	22
11 (CO)	19 (PB)		0.2319	50
11 (CO)	20 (AS)		0.2163	56
11 (CO)	21 (B)		1.0000	2
11 (CO)	22 (BE)		0.3879	528
11 (CO)	23 (SR)		0.1501	660
11 (CO)	24 (BA)		0.3597	660
11 (CO)	25 (LA)		0.2097	657
11 (CO)	26 (CE)		0.1941	266
11 (CO)	27 (Y)		0.2172	267
11 (CO)	28 (NB)		0.3075	638
12 (CU)	13 (ZN)		0.5187	763
12 (CU)	14 (MO)		0.4961	58
12 (CU)	15 (W)		-0.1435	37
12 (CU)	16 (AU)		-0.9611	4
12 (CU)	17 (AG)		-0.1137	6
12 (CU)	18 (CD)		0.1662	26
12 (CU)	19 (PB)		0.2208	58
12 (CU)	20 (AS)		0.4417	69
12 (CU)	21 (B)		0.0402	20
12 (CU)	22 (BE)		0.2527	595
12 (CU)	23 (SR)		0.0490	763
12 (CU)	24 (BA)		0.4419	763
12 (CU)	25 (LA)		0.0525	745
12 (CU)	26 (CE)		0.0414	293
12 (CU)	27 (Y)		0.1603	318
12 (CU)	28 (NB)		0.0399	699
13 (ZN)	14 (MO)		-0.0528	58
13 (ZN)	15 (W)		-0.0542	38
13 (ZN)	16 (AU)		-0.6035	4
13 (ZN)	17 (AG)		-0.6217	6
13 (ZN)	18 (CD)		0.5424	26
13 (ZN)	19 (PB)		0.6818	58
13 (ZN)	20 (AS)		0.2677	69
13 (ZN)	21 (B)		0.2454	20
13 (ZN)	22 (BE)		0.4491	596
13 (ZN)	23 (SR)		0.2193	770
13 (ZN)	24 (BA)		0.5455	770
13 (ZN)	25 (LA)		0.3339	750
13 (ZN)	26 (CE)		0.2507	297
13 (ZN)	27 (Y)		0.2224	319
13 (ZN)	28 (NB)		0.2150	705
14 (MO)	15 (W)		********	1
14 (MO)	16 (AU)		0.7551	3
14 (MO)	17 (AG)		********	1
14 (MO)	18 (CD)		0.0867	8
14 (MO)	19 (PB)		-0.2627	13
14 (MO)	20 (AS)		0.1261	12
14 (MO)	21 (B)		********	1
14 (MO)	22 (BE)		0.0671	45
14 (MO)	23 (SR)		0.0577	58
14 (MO)	24 (BA)		0.0301	58
14 (MO)	25 (LA)		0.0137	58
14 (MO)	26 (CE)		-0.0446	19
14 (MO)	27 (Y)		0.2816	12
14 (MO)	28 (NB)		0.0866	54
15 (W)	16 (AU)		********	1
15 (W)	17 (AG)		-1.0000	2
15 (W)	18 (CD)		********	1
15 (W)	19 (PB)		1.0000	2
15 (W)	20 (AS)		-0.9125	4
15 (W)	21 (B)		********	1
15 (W)	22 (BE)		0.3986	30
15 (W)	23 (SR)		-0.1082	38
15 (W)	24 (BA)		-0.2009	38
15 (W)	25 (LA)		0.3827	38
15 (W)	26 (CE)		0.4520	17
15 (W)	27 (Y)		0.2943	24
15 (W)	28 (NB)		0.6659	38

Table 5. Correlation coefficients for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

COLUMN	VERSUS COLUMN	CORRELATION COEFFICIENT	NO. OF PAIRS
16 (AU)	17 (AG)	********	1
16 (AU)	18 (CD)	1.0000	2
16 (AU)	19 (PB)	-0.9546	3
16 (AU)	20 (AS)	1.0000	2
16 (AU)	21 (B)	********	1
16 (AU)	22 (BE)	1.0000	2
16 (AU)	23 (SR)	-0.5408	4
16 (AU)	24 (BA)	-0.9317	4
16 (AU)	25 (LA)	0.9473	4
16 (AU)	26 (CE)	0.8812	4
16 (AU)	27 (Y)	0.6820	4
16 (AU)	28 (NB)	0.8470	4
17 (AG)	18 (CD)	********	1
17 (AG)	19 (PB)	-1.0000	2
17 (AG)	20 (AS)	-0.6885	3
17 (AG)	21 (B)	********	1
17 (AG)	22 (BE)	-0.5946	4
17 (AG)	23 (SR)	-0.1571	6
17 (AG)	24 (BA)	0.0213	6
17 (AG)	25 (LA)	-0.3594	6
17 (AG)	26 (CE)	-0.4434	5
17 (AG)	27 (Y)	0.2393	4
17 (AG)	28 (NB)	0.3669	6
18 (CD)	19 (PB)	0.5070	11
18 (CD)	20 (AS)	0.1805	7
18 (CD)	21 (B)	1.0000	2
18 (CD)	22 (BE)	0.3785	24
18 (CD)	23 (SR)	0.0245	26
18 (CD)	24 (BA)	0.0660	26
18 (CD)	25 (LA)	0.5124	26
18 (CD)	26 (CE)	0.6799	13
18 (CD)	27 (Y)	0.6273	11
18 (CD)	28 (NB)	0.2802	17
19 (PB)	20 (AS)	-0.0790	19
19 (PB)	21 (B)	********	1
19 (PB)	22 (BE)	0.3539	51
19 (PB)	23 (SR)	0.1955	58
19 (PB)	24 (BA)	0.1517	58
19 (PB)	25 (LA)	0.2990	57
19 (PB)	26 (CE)	0.3629	34
19 (PB)	27 (Y)	0.1122	25
19 (PB)	28 (NB)	-0.1718	52
20 (AS)	21 (B)	-0.3062	4
20 (AS)	22 (BE)	0.1654	55
20 (AS)	23 (SR)	0.0548	69
20 (AS)	24 (BA)	0.2249	69
20 (AS)	25 (LA)	0.0325	68
20 (AS)	26 (CE)	0.0427	32
20 (AS)	27 (Y)	0.3032	33
20 (AS)	28 (NB)	-0.0628	59
21 (B)	22 (BE)	0.3309	8
21 (B)	23 (SR)	0.2086	20
21 (B)	24 (BA)	0.2010	20
21 (B)	25 (LA)	0.5337	11
21 (B)	26 (CE)	0.8857	4
21 (B)	27 (Y)	0.3933	11
21 (B)	28 (NB)	0.8079	4
22 (BE)	23 (SR)	0.2913	597
22 (BE)	24 (BA)	0.3285	597
22 (BE)	25 (LA)	0.5012	594
22 (BE)	26 (CE)	0.3306	245
22 (BE)	27 (Y)	0.3939	267
22 (BE)	28 (NB)	0.0406	559
23 (SR)	24 (BA)	0.0908	771
23 (SR)	25 (LA)	0.3089	750
23 (SR)	26 (CE)	-0.0152	297
23 (SR)	27 (Y)	0.1299	320
23 (SR)	28 (NB)	0.1465	705
24 (BA)	25 (LA)	0.2756	750
24 (BA)	26 (CE)	0.2688	297
24 (BA)	27 (Y)	0.2298	320
24 (BA)	28 (NB)	0.2089	705
25 (LA)	26 (CE)	0.8518	297
25 (LA)	27 (Y)	0.5854	315
25 (LA)	28 (NB)	0.3240	700
26 (CE)	27 (Y)	0.4838	207
26 (CE)	28 (NB)	0.1098	276
27 (Y)	28 (NB)	0.1881	286

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

[The following qualifiers are used in reporting spectrographic data: --, no determination made; N, concentration less than the detection limit; L, detected, but present at a concentration less than the value reported; G, element present at a concentration greater than the upper calibration limit; and H, interfering spectra render analytical lines unusable.]

FREQUENCY TABLE FOR VARIABLE 3 (MG)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		0	0	0.00	0.00		
	L		0	0	0.00	0.00		
	T		0	0	0.00	0.00	0.16	0.16
2.583E+00	-	2.750E+00	6	6	0.78	0.78	0.80	33.54
2.750E+00	-	2.916E+00	6	12	0.78	1.56	3.65	1.52
2.916E+00	-	3.083E+00	24	36	3.11	4.67	12.80	9.79
3.083E+00	-	3.250E+00	35	71	4.54	9.21	34.82	0.00
3.250E+00	-	3.416E+00	55	126	7.13	16.34	73.39	4.61
3.416E+00	-	3.583E+00	95	221	12.32	28.66	119.88	5.16
3.583E+00	-	3.750E+00	124	345	16.08	44.75	151.75	5.07
3.750E+00	-	3.916E+00	183	528	23.74	68.48	148.88	7.82
3.916E+00	-	4.083E+00	168	696	21.79	90.27	113.21	26.52
4.083E+00	-	4.250E+00	54	750	7.00	97.28	66.71	2.42
4.250E+00	-	4.416E+00	15	765	1.95	99.22	30.47	7.85
4.416E+00	-	4.583E+00	5	770	0.65	99.87	10.78	3.10
4.583E+00	-	4.750E+00	0	770	0.00	99.87	2.96	2.96
4.750E+00	-	4.916E+00	0	770	0.00	99.87	0.63	0.63
4.916E+00	-	5.083E+00	1	771	0.13	100.00	0.12	6.60
	G		0	771	0.00	100.00	0.16	0.16
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 3 (MG)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
4.638E+02 X
6.808E+02 X
9.992E+02 XXX
1.467E+03 XXXXX
2.153E+03 XXXXXXX
3.160E+03 XXXXXXXXXXXX
4.638E+03 XXXXXXXXXXXXXXXX
6.808E+03 XXXXXXXXXXXXXXXXXXXXXXXX
9.992E+03 XXXXXXXXXXXXXXXXXXXXXX
1.467E+04 XXXXXXX
2.153E+04 XX
3.160E+04 X
4.638E+04
6.808E+04
9.992E+04
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG	= 4.10000E+02	GEOMETRIC DEVIATION	= 2.12122E+00
MAXIMUM ANTILOG	= 8.40000E+04	VARIANCE OF LOGS	= 1.06659E-01
GEOMETRIC MEAN	= 5.45998E+03		

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 4 (CA)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		0	0	0.00	0.00		
	L		0	0	0.00	0.00		
	T		0	0	0.00	0.00	0.03	0.03
2.916E+00	-	3.083E+00	1	1	0.13	0.13	0.83	0.04
3.083E+00	-	3.249E+00	8	9	1.04	1.17	10.17	0.46
3.249E+00	-	3.416E+00	47	56	6.10	7.26	61.03	3.22
3.416E+00	-	3.583E+00	208	264	26.98	34.24	179.35	4.58
3.583E+00	-	3.749E+00	255	519	33.07	67.32	259.07	0.06
3.749E+00	-	3.916E+00	178	697	23.09	90.40	184.18	0.21
3.916E+00	-	4.083E+00	66	763	8.56	98.96	64.36	0.04
4.083E+00	-	4.249E+00	7	770	0.91	99.87	11.02	1.47
4.249E+00	-	4.416E+00	0	770	0.00	99.87	0.92	0.92
4.416E+00	-	4.583E+00	0	770	0.00	99.87	0.00	0.00
4.583E+00	-	4.749E+00	0	770	0.00	99.87	0.00	0.00
4.749E+00	-	4.916E+00	0	770	0.00	99.87	0.00	0.00
4.916E+00	-	5.083E+00	0	770	0.00	99.87	0.00	0.00
5.083E+00	-	5.249E+00	0	770	0.00	99.87	0.00	0.00
5.249E+00	-	5.416E+00	1	771	0.13	100.00	0.04	24.34
	G		0	771	0.00	100.00	0.03	0.03
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 4 (CA)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
9.985E+02
1.466E+03 X
2.151E+03 XXXXXX
3.157E+03 XXXXXXXXXXXXXXXXXXXXXXXXX
4.634E+03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
6.802E+03 XXXXXXXXXXXXXXXXXXXXXX
9.985E+03 XXXXXXXXX
1.466E+04 X
2.151E+04
3.157E+04
4.635E+04
6.803E+04
9.985E+04
1.466E+05
2.151E+05
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 1.20000E+03
MAXIMUM ANTILOG = 1.90000E+05
GEOMETRIC MEAN = 4.66793E+03
GEOMETRIC DEVIATION = 1.55524E+00
VARIANCE OF LOGS = 3.67865E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 5 (FE)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		1	1	0.13	0.13		
	L		0	1	0.00	0.13		
	T		0	1	0.00	0.13	0.02	0.02
3.416E+00	-	3.583E+00	1	2	0.13	0.26	0.25	2.20
3.583E+00	-	3.749E+00	2	4	0.26	0.52	2.59	0.13
3.749E+00	-	3.916E+00	11	15	1.43	1.95	16.21	1.67
3.916E+00	-	4.083E+00	49	64	6.36	8.30	62.14	2.78
4.083E+00	-	4.249E+00	105	169	13.62	21.92	146.21	11.61
4.249E+00	-	4.416E+00	266	435	34.50	56.42	211.30	14.16
4.416E+00	-	4.583E+00	242	677	31.39	87.81	187.63	15.75
4.583E+00	-	4.749E+00	83	760	10.77	98.57	102.37	3.66
4.749E+00	-	4.916E+00	10	770	1.30	99.87	34.29	17.21
4.916E+00	-	5.083E+00	0	770	0.00	99.87	7.04	7.04
5.083E+00	-	5.249E+00	1	771	0.13	100.00	0.96	0.00
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 5 (FE)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
3.157E+03
4.634E+03
6.802E+03 X
9.985E+03 XXXXXX
1.466E+04 XXXXXXXXXXXXX
2.151E+04 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.157E+04 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
4.634E+04 XXXXXXXXXXX
6.803E+04 X
9.985E+04
1.466E+05
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 3.80000E+03
MAXIMUM ANTILOG = 1.70000E+05
GEOMETRIC MEAN = 2.39891E+04
GEOMETRIC DEVIATION = 1.56613E+00
VARIANCE OF LOGS = 3.79577E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 6 (AL)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		0	0	0.00	0.00		
	L		0	0	0.00	0.00		
	T		0	0	0.00	0.00	0.00	0.00
2.416E+00	-	2.583E+00	1	1	0.13	0.13	0.00	0.00
2.583E+00	-	2.749E+00	0	1	0.00	0.13	0.00	0.00
2.749E+00	-	2.916E+00	0	1	0.00	0.13	0.00	0.00
2.916E+00	-	3.083E+00	0	1	0.00	0.13	0.00	0.00
3.083E+00	-	3.249E+00	0	1	0.00	0.13	0.00	0.00
3.249E+00	-	3.416E+00	1	2	0.13	0.26	0.24	2.45
3.416E+00	-	3.583E+00	5	7	0.65	0.91	3.85	0.34
3.583E+00	-	3.749E+00	35	42	4.54	5.45	31.23	0.46
3.749E+00	-	3.916E+00	104	146	13.49	18.94	123.95	3.21
3.916E+00	-	4.083E+00	237	383	30.74	49.68	241.69	0.09
4.083E+00	-	4.249E+00	254	637	32.94	82.62	231.98	2.09
4.249E+00	-	4.416E+00	114	751	14.79	97.41	109.60	0.18
4.416E+00	-	4.583E+00	19	770	2.46	99.87	25.42	1.62
4.583E+00	-	4.749E+00	1	771	0.13	100.00	3.05	1.37
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 6 (AL)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
3.157E+02
4.634E+02
6.802E+02
9.985E+02
1.466E+03
2.151E+03
3.157E+03 X
4.634E+03 XXXXX
6.803E+03 XXXXXXXXXXXX
9.985E+03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.466E+04 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.151E+04 XXXXXXXXXXXXXX
3.157E+04 XX
4.635E+04
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 3.80000E+02
MAXIMUM ANTILOG = 4.10000E+04
GEOMETRIC MEAN = 1.18311E+04
GEOMETRIC DEVIATION = 1.55550E+00
VARIANCE OF LOGS = 3.68142E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 7 (TI)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		0	0	0.00	0.00		
	L		1	1	0.13	0.13		
	T		0	1	0.00	0.13	0.00	0.00
2.083E+00	-	2.250E+00	2	3	0.26	0.39	0.04	102.56
2.250E+00	-	2.416E+00	3	6	0.39	0.78	0.70	7.50
2.416E+00	-	2.583E+00	14	20	1.82	2.59	7.37	5.95
2.583E+00	-	2.750E+00	36	56	4.67	7.26	42.20	0.91
2.750E+00	-	2.916E+00	92	148	11.93	19.20	132.16	12.20
2.916E+00	-	3.083E+00	249	397	32.30	51.49	226.98	2.14
3.083E+00	-	3.250E+00	222	619	28.79	80.29	214.02	0.30
3.250E+00	-	3.416E+00	136	755	17.64	97.92	110.78	5.74
3.416E+00	-	3.583E+00	14	769	1.82	99.74	31.44	9.67
3.583E+00	-	3.750E+00	2	771	0.26	100.00	5.31	2.07
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 7 (TI)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
1.467E+02
2.153E+02
3.160E+02 XX
4.638E+02 XXXXX
6.808E+02 XXXXXXXXXXXX
9.992E+02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.467E+03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.153E+03 XXXXXXXXXXXXXXXXX
3.160E+03 XX
4.638E+03
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 1.60000E+02
MAXIMUM ANTILOG = 3.90000E+03
GEOMETRIC MEAN = 1.17074E+03
GEOMETRIC DEVIATION = 1.59859E+00
VARIANCE OF LOGS = 4.15093E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 8 (P)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		0	0	0.00	0.00		
	L		2	2	0.26	0.26		
	T		0	2	0.00	0.26	0.56	0.56
2.250E+00	-	2.417E+00	8	10	1.04	1.30	7.25	0.08
2.417E+00	-	2.583E+00	38	48	4.93	6.23	47.71	1.98
2.583E+00	-	2.750E+00	169	217	21.92	28.15	155.81	1.12
2.750E+00	-	2.917E+00	262	479	33.98	62.13	253.27	0.30
2.917E+00	-	3.083E+00	198	677	25.68	87.81	205.22	0.25
3.083E+00	-	3.250E+00	74	751	9.60	97.41	82.84	0.94
3.250E+00	-	3.417E+00	19	770	2.46	99.87	16.61	0.34
3.417E+00	-	3.583E+00	1	771	0.13	100.00	1.73	0.31
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 8 (P)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
2.154E+02 X
3.162E+02 XXXXX
4.642E+02 XXXXXXXXXXXXXXXXXXXX
6.813E+02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.000E+03 XXXXXXXXXXXXXXXXXXXXXXXX
1.468E+03 XXXXXXXXXX
2.154E+03 XX
3.162E+03
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

```
MINIMUM ANTILOG      = 1.90000E+02
MAXIMUM ANTILOG      = 2.70000E+03
GEOMETRIC MEAN       = 7.36059E+02
GEOMETRIC DEVIATION  = 1.55981E+00
VARIANCE OF LOGS     = 3.72769E-02
```

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 9 (MN)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		0	0	0.00	0.00		
	L		0	0	0.00	0.00		
	T		0	0	0.00	0.00	0.07	0.07
1.583E+00	-	1.750E+00	5	5	0.65	0.65	0.87	19.74
1.750E+00	-	1.916E+00	10	15	1.30	1.95	7.09	1.19
1.916E+00	-	2.083E+00	29	44	3.76	5.71	35.15	1.08
2.083E+00	-	2.250E+00	93	137	12.06	17.77	105.55	1.49
2.250E+00	-	2.416E+00	208	345	26.98	44.75	192.26	1.29
2.416E+00	-	2.583E+00	214	559	27.76	72.50	212.56	0.01
2.583E+00	-	2.750E+00	144	703	18.68	91.18	142.66	0.01
2.750E+00	-	2.916E+00	53	756	6.87	98.05	58.10	0.45
2.916E+00	-	3.083E+00	10	766	1.30	99.35	14.34	1.32
3.083E+00	-	3.250E+00	5	771	0.65	100.00	2.35	2.99
	G		0	771	0.00	100.00	0.07	0.07
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 9 (MN)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
4.638E+01 X
6.808E+01 X
9.992E+01 XXXX
1.467E+02 XXXXXXXXXXXX
2.153E+02 XXXXXXXXXXXXXXXXXXXXXXXXXXX
3.160E+02 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
4.638E+02 XXXXXXXXXXXXXXXXXX
6.808E+02 XXXXXXX
9.992E+02 X
1.467E+03 X
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 4.50000E+01
MAXIMUM ANTILOG = 1.40000E+03
GEOMETRIC MEAN = 2.81746E+02
GEOMETRIC DEVIATION = 1.70152E+00
VARIANCE OF LOGS = 5.32855E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 10 (V)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		1	1	0.13	0.13		
	L		1	2	0.13	0.26		
	T		0	2	0.00	0.26	0.00	0.00
5.830E-01	-	7.497E-01	2	4	0.26	0.52	0.09	41.10
7.497E-01	-	9.163E-01	3	7	0.39	0.91	0.86	5.27
9.163E-01	-	1.083E+00	6	13	0.78	1.69	5.90	0.00
1.083E+00	-	1.250E+00	22	35	2.85	4.54	26.53	0.77
1.250E+00	-	1.416E+00	55	90	7.13	11.67	78.59	7.08
1.416E+00	-	1.583E+00	153	243	19.84	31.52	153.52	0.00
1.583E+00	-	1.750E+00	253	496	32.81	64.33	197.86	15.37
1.750E+00	-	1.916E+00	159	655	20.62	84.95	168.26	0.51
1.916E+00	-	2.083E+00	69	724	8.95	93.90	94.41	6.84
2.083E+00	-	2.250E+00	33	757	4.28	98.18	34.94	0.11
2.250E+00	-	2.416E+00	9	766	1.17	99.35	8.52	0.03
2.416E+00	-	2.583E+00	3	769	0.39	99.74	1.37	1.94
2.583E+00	-	2.750E+00	2	771	0.26	100.00	0.16	21.91
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 10 (V)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
4.638E+00
6.808E+00
9.992E+00 X
1.467E+01 XXX
2.153E+01 XXXXXXX
3.160E+01 XXXXXXXXXXXXXXXXXXX
4.638E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
6.808E+01 XXXXXXXXXXXXXXXXXXXX
9.992E+01 XXXXXXXXX
1.467E+02 XXXX
2.153E+02 X
3.160E+02
4.638E+02
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

```
MINIMUM ANTILOG      =  4.80000E+00
MAXIMUM ANTILOG      =  5.40000E+02
GEOMETRIC MEAN       =  4.85725E+01
GEOMETRIC DEVIATION  =  1.78401E+00
VARIANCE OF LOGS     =  6.32010E-02
```

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 11 (CR)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		203	203	26.33	26.33		
	L		137	340	17.77	44.10		
	T		0	340	0.00	44.10	197.95	197.95
4.160E-01	-	5.827E-01	1	341	0.13	44.23	54.25	52.27
5.827E-01	-	7.493E-01	2	343	0.26	44.49	59.46	55.53
7.493E-01	-	9.160E-01	2	345	0.26	44.75	62.49	58.55
9.160E-01	-	1.083E+00	13	358	1.69	46.43	62.97	39.65
1.083E+00	-	1.249E+00	52	410	6.74	53.18	60.83	1.28
1.249E+00	-	1.416E+00	104	514	13.49	66.67	56.34	40.31
1.416E+00	-	1.583E+00	112	626	14.53	81.19	50.04	76.74
1.583E+00	-	1.749E+00	85	711	11.02	92.22	42.60	42.19
1.749E+00	-	1.916E+00	40	751	5.19	97.41	34.78	0.78
1.916E+00	-	2.083E+00	10	761	1.30	98.70	27.22	10.90
2.083E+00	-	2.249E+00	8	769	1.04	99.74	20.43	7.56
2.249E+00	-	2.416E+00	1	770	0.13	99.87	14.70	12.77
2.416E+00	-	2.583E+00	0	770	0.00	99.87	10.14	10.14
2.583E+00	-	2.749E+00	1	771	0.13	100.00	16.80	14.86
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 11 (CR)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
3.157E+00
4.634E+00
6.802E+00
9.985E+00 XX
1.466E+01 XXXXXXX
2.151E+01 XXXXXXXXXXXXX
3.157E+01 XXXXXXXXXXXXXXX
4.634E+01 XXXXXXXXXXX
6.803E+01 XXXXX
9.985E+01 X
1.466E+02 X
2.151E+02
3.157E+02
4.635E+02
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 3.60000E+00
MAXIMUM ANTILOG = 3.90000E+02
GEOMETRIC MEAN = 3.10758E+01
GEOMETRIC DEVIATION = 1.82978E+00
VARIANCE OF LOGS = 6.88530E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 12 (NI)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		8	8	1.04	1.04		
	L		23	31	2.98	4.02		
	T		0	31	0.00	4.02	14.09	14.09
4.160E-01	-	5.827E-01	17	48	2.20	6.23	23.35	1.73
5.827E-01	-	7.493E-01	55	103	7.13	13.36	47.27	1.26
7.493E-01	-	9.160E-01	63	166	8.17	21.53	79.65	3.48
9.160E-01	-	1.083E+00	117	283	15.18	36.71	111.70	0.25
1.083E+00	-	1.249E+00	106	389	13.75	50.45	130.37	4.56
1.249E+00	-	1.416E+00	149	538	19.33	69.78	126.65	3.94
1.416E+00	-	1.583E+00	116	654	15.05	84.82	102.41	1.80
1.583E+00	-	1.749E+00	70	724	9.08	93.90	68.91	0.02
1.749E+00	-	1.916E+00	23	747	2.98	96.89	38.60	6.30
1.916E+00	-	2.083E+00	13	760	1.69	98.57	17.99	1.39
2.083E+00	-	2.249E+00	4	764	0.52	99.09	6.98	1.27
2.249E+00	-	2.416E+00	3	767	0.39	99.48	2.25	0.25
2.416E+00	-	2.583E+00	2	769	0.26	99.74	0.61	3.21
2.583E+00	-	2.749E+00	0	769	0.00	99.74	0.14	0.14
2.749E+00	-	2.916E+00	2	771	0.26	100.00	0.03	131.00
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 12 (NI)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
3.157E+00 XX
4.634E+00 XXXXXXX
6.802E+00 XXXXXXXX
9.985E+00 XXXXXXXXXXXXXXX
1.466E+01 XXXXXXXXXXXXXX
2.151E+01 XXXXXXXXXXXXXXXXXXXX
3.157E+01 XXXXXXXXXXXXXX
4.634E+01 XXXXXXXXX
6.803E+01 XXX
9.985E+01 XX
1.466E+02 X
2.151E+02
3.157E+02
4.635E+02
6.803E+02
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 3.00000E+00
MAXIMUM ANTILOG = 7.10000E+02
GEOMETRIC MEAN = 1.77729E+01
GEOMETRIC DEVIATION = 2.29335E+00
VARIANCE OF LOGS = 1.29939E-01

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 13 (CO)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		40	40	5.19	5.19		
	L		71	111	9.21	14.40		
	T		0	111	0.00	14.40	96.66	96.66
7.500E-01	-	9.167E-01	110	221	14.27	28.66	142.19	7.29
9.167E-01	-	1.083E+00	223	444	28.92	57.59	194.35	4.22
1.083E+00	-	1.250E+00	180	624	23.35	80.93	176.21	0.08
1.250E+00	-	1.417E+00	113	737	14.66	95.59	105.97	0.47
1.417E+00	-	1.583E+00	29	766	3.76	99.35	42.26	4.16
1.583E+00	-	1.750E+00	4	770	0.52	99.87	11.17	4.60
1.750E+00	-	1.917E+00	1	771	0.13	100.00	2.20	0.65
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 13 (CO)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
6.813E+00 XXXXXXXXXXXXX
1.000E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.468E+01 XXXXXXXXXXXXXXXXXXXXXX
2.154E+01 XXXXXXXXXXXXXX
3.162E+01 XXXX
4.642E+01 X
6.813E+01
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 6.00000E+00
MAXIMUM ANTILOG = 6.50000E+01
GEOMETRIC MEAN = 1.27459E+01
GEOMETRIC DEVIATION = 1.51938E+00
VARIANCE OF LOGS = 3.30029E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 14 (CU)

LOG LIMITS LOWER	- UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
N		8	8	1.04	1.04		
L		0	8	0.00	1.04		
T		0	8	0.00	1.04	0.14	0.14
-4.170E-01	-2.503E-01	2	10	0.26	1.30	0.39	6.57
-2.503E-01	-8.367E-02	1	11	0.13	1.43	1.25	0.05
-8.367E-02	8.300E-02	0	11	0.00	1.43	3.48	3.48
8.300E-02	2.497E-01	5	16	0.65	2.08	8.49	1.44
2.497E-01	4.163E-01	12	28	1.56	3.63	18.15	2.09
4.163E-01	5.830E-01	30	58	3.89	7.52	34.00	0.47
5.830E-01	7.497E-01	52	110	6.74	14.27	55.78	0.26
7.497E-01	9.163E-01	73	183	9.47	23.74	80.18	0.64
9.163E-01	1.083E+00	109	292	14.14	37.87	100.98	0.64
1.083E+00	1.250E+00	99	391	12.84	50.71	111.42	1.38
1.250E+00	1.416E+00	129	520	16.73	67.44	107.71	4.21
1.416E+00	1.583E+00	110	630	14.27	81.71	91.22	3.86
1.583E+00	1.750E+00	68	698	8.82	90.53	67.69	0.00
1.750E+00	1.916E+00	42	740	5.45	95.98	44.01	0.09
1.916E+00	2.083E+00	17	757	2.20	98.18	25.06	2.59
2.083E+00	2.250E+00	4	761	0.52	98.70	12.51	5.79
2.250E+00	2.416E+00	9	770	1.17	99.87	5.47	2.28
2.416E+00	2.583E+00	0	770	0.00	99.87	2.09	2.09
2.583E+00	2.750E+00	0	770	0.00	99.87	0.70	0.70
2.750E+00	2.916E+00	0	770	0.00	99.87	0.21	0.21
2.916E+00	3.083E+00	0	770	0.00	99.87	0.05	0.05
3.083E+00	3.250E+00	1	771	0.13	100.00	0.01	65.33
G		0	771	0.00	100.00	0.00	0.00
H		0	771				
B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 14 (CU)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
 4.638E-01
 6.808E-01
 9.992E-01
 1.467E+00 X
 2.153E+00 XX
 3.160E+00 XXXX
 4.638E+00 XXXXXXX
 6.808E+00 XXXXXXXXX
 9.992E+00 XXXXXXXXXXXXX
 1.467E+01 XXXXXXXXXXXX
 2.153E+01 XXXXXXXXXXXXXXXX      2.153E+02 X
 3.160E+01 XXXXXXXXXXXXX         3.160E+02
 4.638E+01 XXXXXXXXX             4.638E+02
 6.808E+01 XXXXX                 6.808E+02
 9.992E+01 XX                    9.992E+02
 1.467E+02 X                     1.467E+03
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG	=	4.50000E-01
MAXIMUM ANTILOG	=	1.70000E+03
GEOMETRIC MEAN	=	1.67854E+01
GEOMETRIC DEVIATION	=	2.63609E+00
VARIANCE OF LOGS	=	1.77207E-01

Table 6. Frequency tables and histograms for ICP analytical data from aqua–regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 15 (ZN)

LOG LIMITS LOWER	- UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
N		0	0	0.00	0.00		
L		1	1	0.13	0.13		
T		0	1	0.00	0.13	0.34	0.34
9.160E-01 -	1.083E+00	3	4	0.39	0.52	3.14	0.01
1.083E+00 -	1.249E+00	13	17	1.69	2.20	18.83	1.80
1.249E+00 -	1.416E+00	77	94	9.99	12.19	69.12	0.90
1.416E+00 -	1.583E+00	142	236	18.42	30.61	155.37	1.15
1.583E+00 -	1.749E+00	243	479	31.52	62.13	213.98	3.93
1.749E+00 -	1.916E+00	197	676	25.55	87.68	180.66	1.48
1.916E+00 -	2.083E+00	66	742	8.56	96.24	93.47	8.07
2.083E+00 -	2.249E+00	13	755	1.69	97.92	29.62	9.33
2.249E+00 -	2.416E+00	11	766	1.43	99.35	5.74	4.81
2.416E+00 -	2.583E+00	4	770	0.52	99.87	0.68	16.21
2.583E+00 -	2.749E+00	0	770	0.00	99.87	0.00	0.00
2.749E+00 -	2.916E+00	0	770	0.00	99.87	0.00	0.00
2.916E+00 -	3.083E+00	0	770	0.00	99.87	0.00	0.00
3.083E+00 -	3.249E+00	1	771	0.13	100.00	0.05	17.53
G		0	771	0.00	100.00	0.00	0.00
H		0	771				
B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 15 (ZN)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
 9.985E+00
 1.466E+01 XX
 2.151E+01 XXXXXXXXXX
 3.157E+01 XXXXXXXXXXXXXXXXX
 4.634E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 6.802E+01 XXXXXXXXXXXXXXXXXXXXXXXXX
 9.985E+01 XXXXXXXXX
 1.466E+02 XX
 2.151E+02 X
 3.157E+02 X
 4.635E+02
 6.803E+02
 9.985E+02
 1.466E+03
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 1.00000E+01
MAXIMUM ANTILOG = 1.40000E+03
GEOMETRIC MEAN = 4.92805E+01
GEOMETRIC DEVIATION = 1.70495E+00
VARIANCE OF LOGS = 5.36906E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 16 (MO)

LOG LIMITS LOWER	- UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
N		583	583	75.62	75.62		
L		130	713	16.86	92.48		
T		0	713	0.00	92.48	644.23	644.23
2.500E-01 -	4.167E-01	15	728	1.95	94.42	85.95	58.57
4.167E-01 -	5.833E-01	21	749	2.72	97.15	31.57	3.54
5.833E-01 -	7.500E-01	6	755	0.78	97.92	7.79	0.41
7.500E-01 -	9.167E-01	4	759	0.52	98.44	1.29	5.68
9.167E-01 -	1.083E+00	4	763	0.52	98.96	0.14	103.45
1.083E+00 -	1.250E+00	2	765	0.26	99.22	0.00	0.00
1.250E+00 -	1.417E+00	4	769	0.52	99.74	0.00	0.00
1.417E+00 -	1.583E+00	1	770	0.13	99.87	0.00	0.00
1.583E+00 -	1.750E+00	0	770	0.00	99.87	0.00	0.00
1.750E+00 -	1.917E+00	1	771	0.13	100.00	0.01	86.65
G		0	771	0.00	100.00	0.00	0.00
H		0	771				
B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 16 (MO)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
2.154E+00 XX
3.162E+00 XXX
4.642E+00 X
6.813E+00 X
1.000E+01 X
1.468E+01
2.154E+01 X
3.162E+01
4.642E+01
6.813E+01
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

```
MINIMUM ANTILOG      = 2.00000E+00
MAXIMUM ANTILOG      = 7.30000E+01
GEOMETRIC MEAN       = 4.50917E+00
GEOMETRIC DEVIATION  = 2.18180E+00
VARIANCE OF LOGS     = 1.14796E-01
```

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 17 (W)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		716	716	92.87	92.87		
	L		17	733	2.20	95.07		
	T		0	733	0.00	95.07	739.37	739.37
9.160E-01	-	1.083E+00	25	758	3.24	98.31	27.97	0.32
1.083E+00	-	1.249E+00	10	768	1.30	99.61	3.44	12.48
1.249E+00	-	1.416E+00	2	770	0.26	99.87	0.00	0.00
1.416E+00	-	1.583E+00	0	770	0.00	99.87	0.00	0.00
1.583E+00	-	1.749E+00	0	770	0.00	99.87	0.00	0.00
1.749E+00	-	1.916E+00	0	770	0.00	99.87	0.00	0.00
1.916E+00	-	2.083E+00	0	770	0.00	99.87	0.00	0.00
2.083E+00	-	2.249E+00	0	770	0.00	99.87	0.00	0.00
2.249E+00	-	2.416E+00	1	771	0.13	100.00	0.22	2.81
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 17 (W)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
9.985E+00 XXX
1.466E+01 X
2.151E+01
3.157E+01
4.634E+01
6.802E+01
9.985E+01
1.466E+02
2.151E+02
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

```
MINIMUM ANTILOG      = 8.40000E+00
MAXIMUM ANTILOG      = 2.20000E+02
GEOMETRIC MEAN       = 1.25918E+01
GEOMETRIC DEVIATION  = 1.69818E+00
VARIANCE OF LOGS     = 5.28922E-02
```

Table 6. Frequency tables and histograms for ICP analytical data from aqua–regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 18 (AU)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		754	754	97.80	97.80		
	L		13	767	1.69	99.48		
	T		0	767	0.00	99.48	740.53	740.53
4.160E-01	-	5.827E-01	1	768	0.13	99.61	28.68	26.72
5.827E-01	-	7.493E-01	0	768	0.00	99.61	1.75	1.75
7.493E-01	-	9.160E-01	2	770	0.26	99.87	0.00	0.00
9.160E-01	-	1.083E+00	0	770	0.00	99.87	0.00	0.00
1.083E+00	-	1.249E+00	0	770	0.00	99.87	0.00	0.00
1.249E+00	-	1.416E+00	0	770	0.00	99.87	0.00	0.00
1.416E+00	-	1.583E+00	0	770	0.00	99.87	0.00	0.00
1.583E+00	-	1.749E+00	0	770	0.00	99.87	0.00	0.00
1.749E+00	-	1.916E+00	1	771	0.13	100.00	0.04	25.73
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 18 (AU)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

3.157E+00
4.634E+00
6.802E+00
9.985E+00
1.466E+01
2.151E+01
3.157E+01
4.634E+01
6.803E+01

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 3.30000E+00
MAXIMUM ANTILOG = 6.60000E+01
GEOMETRIC MEAN = 9.64178E+00
GEOMETRIC DEVIATION = 3.73649E+00
VARIANCE OF LOGS = 3.27715E-01

Table 6. Frequency tables and histograms for ICP analytical data from aqua–regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 19 (AG)

LOG LIMITS LOWER	- UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
N		761	761	98.70	98.70		
L		4	765	0.52	99.22		
T		0	765	0.00	99.22	755.45	755.45
-8.400E-02 -	8.267E-02	2	767	0.26	99.48	14.95	11.21
8.267E-02 -	2.493E-01	2	769	0.26	99.74	0.00	0.00
2.493E-01 -	4.160E-01	1	770	0.13	99.87	0.00	0.00
4.160E-01 -	5.827E-01	0	770	0.00	99.87	0.00	0.00
5.827E-01 -	7.493E-01	1	771	0.13	100.00	0.61	0.25
G		0	771	0.00	100.00	0.00	0.00
H		0	771				
B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 19 (AG)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

9.985E-01
1.466E+00
2.151E+00
3.157E+00
4.634E+00

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 9.50000E-01
MAXIMUM ANTILOG = 4.30000E+00
GEOMETRIC MEAN = 1.72089E+00
GEOMETRIC DEVIATION = 1.74408E+00
VARIANCE OF LOGS = 5.83542E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 20 (CD)

LOG LIMITS LOWER	- UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N	621	621	80.54	80.54		
	L	124	745	16.08	96.63		
	T	0	745	0.00	96.63	621.93	621.93
-2.500E-01	-8.333E-02	2	747	0.26	96.89	96.23	92.27
-8.333E-02	8.333E-02	4	751	0.52	97.41	39.33	31.74
8.333E-02	2.500E-01	4	755	0.52	97.92	11.06	4.50
2.500E-01	4.167E-01	7	762	0.91	98.83	2.14	11.07
4.167E-01	5.833E-01	5	767	0.65	99.48	0.28	78.40
5.833E-01	7.500E-01	2	769	0.26	99.74	0.00	0.00
7.500E-01	9.167E-01	0	769	0.00	99.74	0.00	0.00
9.167E-01	1.083E+00	0	769	0.00	99.74	0.00	0.00
1.083E+00	1.250E+00	2	771	0.26	100.00	0.03	141.22
	G	0	771	0.00	100.00	0.00	0.00
	H	0	771				
	B	0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 20 (CD)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
6.813E-01
1.000E+00 X
1.468E+00 X
2.154E+00 X
3.162E+00 X
4.642E+00
6.813E+00
1.000E+01
1.468E+01
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

```
MINIMUM ANTILOG      = 7.50000E-01
MAXIMUM ANTILOG      = 1.60000E+01
GEOMETRIC MEAN       = 2.20544E+00
GEOMETRIC DEVIATION  = 2.10614E+00
VARIANCE OF LOGS     = 1.04644E-01
```

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 21 (PB)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		645	645	83.66	83.66		
	L		68	713	8.82	92.48		
	T		0	713	0.00	92.48	648.66	648.66
9.160E-01	-	1.083E+00	16	729	2.08	94.55	86.35	57.31
1.083E+00	-	1.249E+00	18	747	2.33	96.89	28.87	4.09
1.249E+00	-	1.416E+00	6	753	0.78	97.67	6.19	0.01
1.416E+00	-	1.583E+00	9	762	1.17	98.83	0.85	78.01
1.583E+00	-	1.749E+00	5	767	0.65	99.48	0.00	0.00
1.749E+00	-	1.916E+00	1	768	0.13	99.61	0.00	0.00
1.916E+00	-	2.083E+00	2	770	0.26	99.87	0.00	0.00
2.083E+00	-	2.249E+00	0	770	0.00	99.87	0.00	0.00
2.249E+00	-	2.416E+00	1	771	0.13	100.00	0.08	10.69
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 21 (PB)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
9.985E+00 XX
1.466E+01 XX
2.151E+01 X
3.157E+01 X
4.634E+01 X
6.802E+01
9.985E+01
1.466E+02
2.151E+02
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

```
MINIMUM ANTILOG      = 9.50000E+00
MAXIMUM ANTILOG      = 2.00000E+02
GEOMETRIC MEAN       = 1.99153E+01
GEOMETRIC DEVIATION  = 1.93134E+00
VARIANCE OF LOGS     = 8.17158E-02
```

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 22 (AS)

LOG LIMITS LOWER	- UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N	542	542	70.30	70.30		
	L	160	702	20.75	91.05		
	T	0	702	0.00	91.05	566.75	566.75
1.250E+00 -	1.417E+00	4	706	0.52	91.57	84.54	76.73
1.417E+00 -	1.583E+00	4	710	0.52	92.09	57.44	49.72
1.583E+00 -	1.750E+00	10	720	1.30	93.39	33.69	16.66
1.750E+00 -	1.917E+00	19	739	2.46	95.85	17.06	0.22
1.917E+00 -	2.083E+00	13	752	1.69	97.54	7.46	4.12
2.083E+00 -	2.250E+00	8	760	1.04	98.57	2.81	9.56
2.250E+00 -	2.417E+00	6	766	0.78	99.35	0.92	28.21
2.417E+00 -	2.583E+00	2	768	0.26	99.61	0.26	11.79
2.583E+00 -	2.750E+00	1	769	0.13	99.74	0.06	14.06
2.750E+00 -	2.917E+00	0	769	0.00	99.74	0.00	0.00
2.917E+00 -	3.083E+00	1	770	0.13	99.87	0.00	0.00
3.083E+00 -	3.250E+00	1	771	0.13	100.00	0.02	60.98
	G	0	771	0.00	100.00	0.00	0.00
	H	0	771				
	B	0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 22 (AS)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
2.154E+01 X
3.162E+01 X
4.642E+01 X
6.813E+01 XX
1.000E+02 XX
1.468E+02 X
2.154E+02 X
3.162E+02
4.642E+02
6.813E+02
1.000E+03
1.468E+03
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 2.00000E+01
MAXIMUM ANTILOG = 1.30000E+03
GEOMETRIC MEAN = 8.70836E+01
GEOMETRIC DEVIATION = 2.25796E+00
VARIANCE OF LOGS = 1.25115E-01

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 23 (B)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		751	751	97.41	97.41		
	L		0	751	0.00	97.41		
	T		0	751	0.00	97.41	759.08	759.08
8.300E-02	-	2.497E-01	1	752	0.13	97.54	8.62	6.73
2.497E-01	-	4.163E-01	0	752	0.00	97.54	2.55	2.55
4.163E-01	-	5.830E-01	0	752	0.00	97.54	0.61	0.61
5.830E-01	-	7.497E-01	1	753	0.13	97.67	0.12	6.69
7.497E-01	-	9.163E-01	2	755	0.26	97.92	0.00	0.00
9.163E-01	-	1.083E+00	2	757	0.26	98.18	0.00	0.00
1.083E+00	-	1.250E+00	2	759	0.26	98.44	0.00	0.00
1.250E+00	-	1.416E+00	2	761	0.26	98.70	0.00	0.00
1.416E+00	-	1.583E+00	5	766	0.65	99.35	0.00	0.00
1.583E+00	-	1.750E+00	1	767	0.13	99.48	0.00	0.00
1.750E+00	-	1.916E+00	2	769	0.26	99.74	0.00	0.00
1.916E+00	-	2.083E+00	0	769	0.00	99.74	0.00	0.00
2.083E+00	-	2.250E+00	0	769	0.00	99.74	0.00	0.00
2.250E+00	-	2.416E+00	2	771	0.26	100.00	0.02	191.56
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 23 (B)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
1.467E+00
2.153E+00
3.160E+00
4.638E+00
6.808E+00
9.992E+00
1.467E+01
2.153E+01
3.160E+01 X
4.638E+01
6.808E+01
9.992E+01
1.467E+02
2.153E+02
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

```
MINIMUM ANTILOG      = 1.30000E+00
MAXIMUM ANTILOG      = 2.30000E+02
GEOMETRIC MEAN       = 2.19922E+01
GEOMETRIC DEVIATION  = 3.47827E+00
VARIANCE OF LOGS     = 2.93074E-01
```

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 24 (BE)

LOG LIMITS LOWER	- UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N	35	35	4.54	4.54		
	L	139	174	18.03	22.57		
	T	0	174	0.00	22.57	59.62	59.62
-1.250E+00	- -1.083E+00	3	177	0.39	22.96	107.24	101.33
-1.083E+00	- -9.167E-01	187	364	24.25	47.21	174.08	0.96
-9.167E-01	- -7.500E-01	160	524	20.75	67.96	190.43	4.86
-7.500E-01	- -5.833E-01	166	690	21.53	89.49	140.40	4.67
-5.833E-01	- -4.167E-01	66	756	8.56	98.05	69.75	0.20
-4.167E-01	- -2.500E-01	12	768	1.56	99.61	23.34	5.51
-2.500E-01	- -8.333E-02	1	769	0.13	99.74	5.26	3.45
-8.333E-02	- 8.334E-02	1	770	0.13	99.87	0.80	0.05
8.334E-02	- 2.500E-01	0	770	0.00	99.87	0.00	0.00
2.500E-01	- 4.167E-01	0	770	0.00	99.87	0.00	0.00
4.167E-01	- 5.833E-01	1	771	0.13	100.00	0.09	9.57
	G	0	771	0.00	100.00	0.00	0.00
	H	0	771				
	B	0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 24 (BE)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
 6.813E-02
 1.000E-01 XXXXXXXXXXXXXXXXXXXXXXX
 1.468E-01 XXXXXXXXXXXXXXXXXXX
 2.154E-01 XXXXXXXXXXXXXXXXXXXXXX
 3.162E-01 XXXXXXXXX
 4.642E-01 XX
 6.813E-01
 1.000E+00
 1.468E+00
 2.154E+00
 3.162E+00
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 8.20000E-02
MAXIMUM ANTILOG = 3.70000E+00
GEOMETRIC MEAN = 1.62672E-01
GEOMETRIC DEVIATION = 1.53286E+00
VARIANCE OF LOGS = 3.44109E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 25 (SR)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		0	0	0.00	0.00		
	L		0	0	0.00	0.00		
	T		0	0	0.00	0.00	2.16	2.16
7.500E-01	-	9.167E-01	14	14	1.82	1.82	14.45	0.01
9.167E-01	-	1.083E+00	68	82	8.82	10.64	61.38	0.71
1.083E+00	-	1.250E+00	139	221	18.03	28.66	152.58	1.21
1.250E+00	-	1.417E+00	259	480	33.59	62.26	222.29	6.06
1.417E+00	-	1.583E+00	168	648	21.79	84.05	189.88	2.52
1.583E+00	-	1.750E+00	88	736	11.41	95.46	95.09	0.53
1.750E+00	-	1.917E+00	30	766	3.89	99.35	27.89	0.16
1.917E+00	-	2.083E+00	3	769	0.39	99.74	4.78	0.66
2.083E+00	-	2.250E+00	1	770	0.13	99.87	0.48	0.57
2.250E+00	-	2.417E+00	0	770	0.00	99.87	0.00	0.00
2.417E+00	-	2.583E+00	0	770	0.00	99.87	0.00	0.00
2.583E+00	-	2.750E+00	0	770	0.00	99.87	0.00	0.00
2.750E+00	-	2.917E+00	0	770	0.00	99.87	0.00	0.00
2.917E+00	-	3.083E+00	1	771	0.13	100.00	0.03	32.66
	G		0	771	0.00	100.00	2.16	2.16
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 25 (SR)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
6.813E+00 XX
1.000E+01 XXXXXXXXX
1.468E+01 XXXXXXXXXXXXXXXXX
2.154E+01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.162E+01 XXXXXXXXXXXXXXXXXXXXX
4.642E+01 XXXXXXXXXXX
6.813E+01 XXXX
1.000E+02
1.468E+02
2.154E+02
3.162E+02
4.642E+02
6.813E+02
1.000E+03
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

```
MINIMUM ANTILOG      = 5.90000E+00
MAXIMUM ANTILOG      = 9.90000E+02
GEOMETRIC MEAN       = 2.33064E+01
GEOMETRIC DEVIATION  = 1.67050E+00
VARIANCE OF LOGS     = 4.96605E-02
```

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 26 (BA)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		0	0	0.00	0.00		
	L		0	0	0.00	0.00		
	T		0	0	0.00	0.00	0.01	0.01
5.830E-01	-	7.497E-01	1	1	0.13	0.13	0.10	7.86
7.497E-01	-	9.163E-01	1	2	0.13	0.26	0.77	0.07
9.163E-01	-	1.083E+00	8	10	1.04	1.30	4.25	3.31
1.083E+00	-	1.250E+00	21	31	2.72	4.02	16.91	0.99
1.250E+00	-	1.416E+00	50	81	6.49	10.51	48.86	0.03
1.416E+00	-	1.583E+00	78	159	10.12	20.62	102.52	5.86
1.583E+00	-	1.750E+00	150	309	19.46	40.08	156.25	0.25
1.750E+00	-	1.916E+00	187	496	24.25	64.33	172.99	1.13
1.916E+00	-	2.083E+00	145	641	18.81	83.14	139.13	0.25
2.083E+00	-	2.250E+00	93	734	12.06	95.20	81.28	1.69
2.250E+00	-	2.416E+00	31	765	4.02	99.22	34.49	0.35
2.416E+00	-	2.583E+00	5	770	0.65	99.87	10.63	2.98
2.583E+00	-	2.750E+00	0	770	0.00	99.87	2.38	2.38
2.750E+00	-	2.916E+00	1	771	0.13	100.00	0.44	0.73
	G		0	771	0.00	100.00	0.01	0.01
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 26 (BA)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
4.638E+00
6.808E+00
9.992E+00 X
1.467E+01 XXX
2.153E+01 XXXXXX
3.160E+01 XXXXXXXXXX
4.638E+01 XXXXXXXXXXXXXXXXXXX
6.808E+01 XXXXXXXXXXXXXXXXXXXXXXX
9.992E+01 XXXXXXXXXXXXXXXXXX
1.467E+02 XXXXXXXXXXX
2.153E+02 XXXX
3.160E+02 X
4.638E+02
6.808E+02
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 5.40000E+00
MAXIMUM ANTILOG = 7.30000E+02
GEOMETRIC MEAN = 6.34959E+01
GEOMETRIC DEVIATION = 1.95345E+00
VARIANCE OF LOGS = 8.45659E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 27 (LA)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		4	4	0.52	0.52		
	L		17	21	2.20	2.72		
	T		0	21	0.00	2.72	0.56	0.56
-8.400E-02	-	8.267E-02	5	26	0.65	3.37	5.12	0.00
8.267E-02	-	2.493E-01	17	43	2.20	5.58	29.21	5.11
2.493E-01	-	4.160E-01	102	145	13.23	18.81	97.72	0.19
4.160E-01	-	5.827E-01	206	351	26.72	45.53	191.82	1.05
5.827E-01	-	7.493E-01	209	560	27.11	72.63	221.18	0.67
7.493E-01	-	9.160E-01	137	697	17.77	90.40	149.83	1.10
9.160E-01	-	1.083E+00	60	757	7.78	98.18	59.60	0.00
1.083E+00	-	1.249E+00	11	768	1.43	99.61	13.90	0.61
1.249E+00	-	1.416E+00	3	771	0.39	100.00	2.06	0.43
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 27 (LA)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
9.985E-01 X
1.466E+00 XX
2.151E+00 XXXXXXXXXXXXX
3.157E+00 XXXXXXXXXXXXXXXXXXXXXXXXXX
4.634E+00 XXXXXXXXXXXXXXXXXXXXXXXXXX
6.802E+00 XXXXXXXXXXXXXXXXX
9.985E+00 XXXXXXXX
1.466E+01 X
2.151E+01
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG	=	1.20000E+00
MAXIMUM ANTILOG	=	2.00000E+01
GEOMETRIC MEAN	=	4.27620E+00
GEOMETRIC DEVIATION	=	1.63357E+00
VARIANCE OF LOGS	=	4.54281E-02

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 28 (CE)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		258	258	33.46	33.46		
	L		216	474	28.02	61.48		
	T		0	474	0.00	61.48	367.66	367.66
5.830E-01	-	7.497E-01	61	535	7.91	69.39	151.49	54.06
7.497E-01	-	9.163E-01	100	635	12.97	82.36	121.21	3.71
9.163E-01	-	1.083E+00	78	713	10.12	92.48	75.39	0.09
1.083E+00	-	1.250E+00	37	750	4.80	97.28	36.45	0.01
1.250E+00	-	1.416E+00	16	766	2.08	99.35	13.70	0.39
1.416E+00	-	1.583E+00	5	771	0.65	100.00	5.09	0.00
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 28 (CE)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
4.638E+00 XXXXXXXX
6.808E+00 XXXXXXXXXXXX
9.992E+00 XXXXXXXXXX
1.467E+01 XXXXX
2.153E+01 XX
3.160E+01 X
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

```
MINIMUM ANTILOG      = 4.50000E+00
MAXIMUM ANTILOG      = 3.80000E+01
GEOMETRIC MEAN       = 8.47816E+00
GEOMETRIC DEVIATION  = 1.55869E+00
VARIANCE OF LOGS     = 3.71567E-02
```

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 29 (Y)

LOG LIMITS LOWER	- UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N	422	422	54.73	54.73		
	L	29	451	3.76	58.50		
	T	0	451	0.00	58.50	277.98	277.98
-9.170E-01	-7.503E-01	5	456	0.65	59.14	72.04	62.39
-7.503E-01	-5.837E-01	16	472	2.08	61.22	74.07	45.53
-5.837E-01	-4.170E-01	19	491	2.46	63.68	71.87	38.89
-4.170E-01	-2.503E-01	33	524	4.28	67.96	65.80	16.35
-2.503E-01	-8.367E-02	38	562	4.93	72.89	56.85	6.25
-8.367E-02	8.300E-02	55	617	7.13	80.03	46.35	1.61
8.300E-02	2.497E-01	47	664	6.10	86.12	35.66	3.61
2.497E-01	4.163E-01	46	710	5.97	92.09	25.89	15.62
4.163E-01	5.830E-01	33	743	4.28	96.37	17.74	13.14
5.830E-01	7.497E-01	14	757	1.82	98.18	11.47	0.56
7.497E-01	9.163E-01	9	766	1.17	99.35	7.00	0.57
9.163E-01	1.083E+00	3	769	0.39	99.74	4.03	0.26
1.083E+00	1.250E+00	0	769	0.00	99.74	2.19	2.19
1.250E+00	1.416E+00	1	770	0.13	99.87	1.12	0.01
1.416E+00	1.583E+00	1	771	0.13	100.00	0.97	0.00
	G	0	771	0.00	100.00	0.00	0.00
	H	0	771				
	B	0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 29 (Y)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
1.467E-01 X
2.153E-01 XX
3.160E-01 XX
4.638E-01 XXXX
6.808E-01 XXXXX
9.992E-01 XXXXXXX
1.467E+00 XXXXXX
2.153E+00 XXXXXX
3.160E+00 XXXX
4.638E+00 XX
6.808E+00 X
9.992E+00
1.467E+01
2.153E+01
3.160E+01
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 1.40000E-01
MAXIMUM ANTILOG = 3.70000E+01
GEOMETRIC MEAN = 1.17655E+00
GEOMETRIC DEVIATION = 2.56293E+00
VARIANCE OF LOGS = 1.67065E-01

Table 6. Frequency tables and histograms for ICP analytical data from aqua-regia leaches of stream sediments from the Glacier Peak study area

FREQUENCY TABLE FOR VARIABLE 30 (NB)

LOG LIMITS LOWER	-	UPPER	OBS FREQ	CUM FREQ	PERCENT FREQ	PERCENT CUM FREQ	THEOR FREQ (NORMAL DIST)	(THEOR FREQ - OBS FREQ)**2/THEOR FREQ
	N		15	15	1.95	1.95		
	L		51	66	6.61	8.56		
	T		0	66	0.00	8.56	23.83	23.83
-8.400E-02	-	8.267E-02	47	113	6.10	14.66	58.13	2.13
8.267E-02	-	2.493E-01	96	209	12.45	27.11	123.06	5.95
2.493E-01	-	4.160E-01	148	357	19.20	46.30	179.24	5.44
4.160E-01	-	5.827E-01	198	555	25.68	71.98	179.67	1.87
5.827E-01	-	7.493E-01	153	708	19.84	91.83	123.95	6.81
7.493E-01	-	9.160E-01	56	764	7.26	99.09	58.84	0.14
9.160E-01	-	1.083E+00	4	768	0.52	99.61	19.21	12.05
1.083E+00	-	1.249E+00	2	770	0.26	99.87	4.31	1.24
1.249E+00	-	1.416E+00	1	771	0.13	100.00	0.74	0.09
	G		0	771	0.00	100.00	0.00	0.00
	H		0	771				
	B		0	771				

TOTALS LESS H AND B 771

HISTOGRAM FOR VARIABLE 30 (NB)
MIDPOINTS ARE EXPRESSED AS ANTILOGS

```
9.985E-01 XXXXXX
1.466E+00 XXXXXXXXXXX
2.151E+00 XXXXXXXXXXXXXXXXXX
3.157E+00 XXXXXXXXXXXXXXXXXXXXXXXXX
4.634E+00 XXXXXXXXXXXXXXXXXX
6.802E+00 XXXXXXX
9.985E+00 X
1.466E+01
2.151E+01
```

THE FOLLOWING STATISTICS ARE COMPUTED FOR THE UNQUALIFIED VALUES ONLY

MINIMUM ANTILOG = 8.30000E-01
MAXIMUM ANTILOG = 1.80000E+01
GEOMETRIC MEAN = 2.84877E+00
GEOMETRIC DEVIATION = 1.68912E+00
VARIANCE OF LOGS = 5.18295E-02