UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

CHEMICAL DATA FOR SAMPLES OF ROCK, STREAM SEDIMENT, AND NONMAGNETIC HEAVY-MINERAL CONCENTRATE, SUGARLOAF ROADLESS AREA, MINERAL AND ESMERALDA COUNTIES, NEVADA

By

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This report is preliminary and
has not been reviewed for conformity
with U.S. Geological Survey editorial
standards and stratigraphic nomenclature.

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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 survey of the Sugarloaf Roadless Area (5296) in the Inyo National Forest, Esmeralda and Mineral Counties, Nevada. Sugarloaf Roadless Area was classified as a further planning area during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

INTRODUCTION

The Sugarloaf Roadless Area covers 17.5 mi^2 in the northern part of the White Mountains in Esmeralda and Mineral Counties, Nevada (fig.1). It is about 40 mi north of Bishop, Calif., via State Highway 6 and an unpaved road into Queen Canyon. Access to the area is by roads that originate in Queen Canyon on the west and Montgomery Pass on the north. The highest point in the roadless area is Mustang Mountain, 10,288 ft above sea level. Queen Valley, located on the west edge of the roadless area at the north end of Owens Valley, has an elevation of 6,400 ft above sea level.

A helicopter-assisted geochemical sampling program was conducted in the Sugarloaf Roadless Area in Inyo National Forest during the summer of 1980. Locations of all sampling sites are shown on figure 2. Information regarding analytical limits and reporting is given in tables 1 through 3. Statistical summaries for the elements measured are given in tables 4 through 6; and a complete listing of the analyses along with geographic coordinates is given in tables 7 through 9. Frequency tables and histograms for samples of rock, stream sediment, and nonmagnetic heavy-mineral concentrate are given in tables 10, 11, and 12, respectively.

GEOLOGIC SETTING OF THE SUGARLOAF ROADLESS AREA

The rocks of the northern White Mountains cover and age span from Paleozoic to Holocene in age. The oldest are metamorphosed strata, now phyllite, slate, and marble that may be Cambrian in age. In thrust contact with these metamorphic rocks are dark shale, chert, and limestone of the Ordovician Palmetto Formation. Mesozoic plutonic rocks of the Inyo batholith, an eastern part of the Sierra Nevada batholith, intrude the Paleozoic rocks. Lying unconformably on the Mesozoic granitic and Paleozoic metamorphic rocks are late Cenozoic volcanic rocks and unconsolidated sedimentary debris. Structural features in the Sugarloaf area can be classified in three groups according to age and style. The oldest is thrust faulting, which is part of the middle Paleozoic Antler Orogeny that brought the Ordovician rocks into the White Mountains region from as much as 40 mi to the northwest. Small folds, local shearing, and some contact metamorphism are related to emplacement of granitic rocks of the Inyo batholith. The final phase of this intrusive event took place in Cretaceous time. Following intrusion of the batholith a long period of erosion occurred, accelerated by late Tertiary to Holocene uplift of the range by high-angle normal faulting. This basin-and-range faulting is responsible for formation of the White Mountains and is still active today.

Detailed geologic maps have been published for both of the 1:62,500 quadrangles (fig. 1): Benton (Crowder and others, 1972) and Davis Mountain

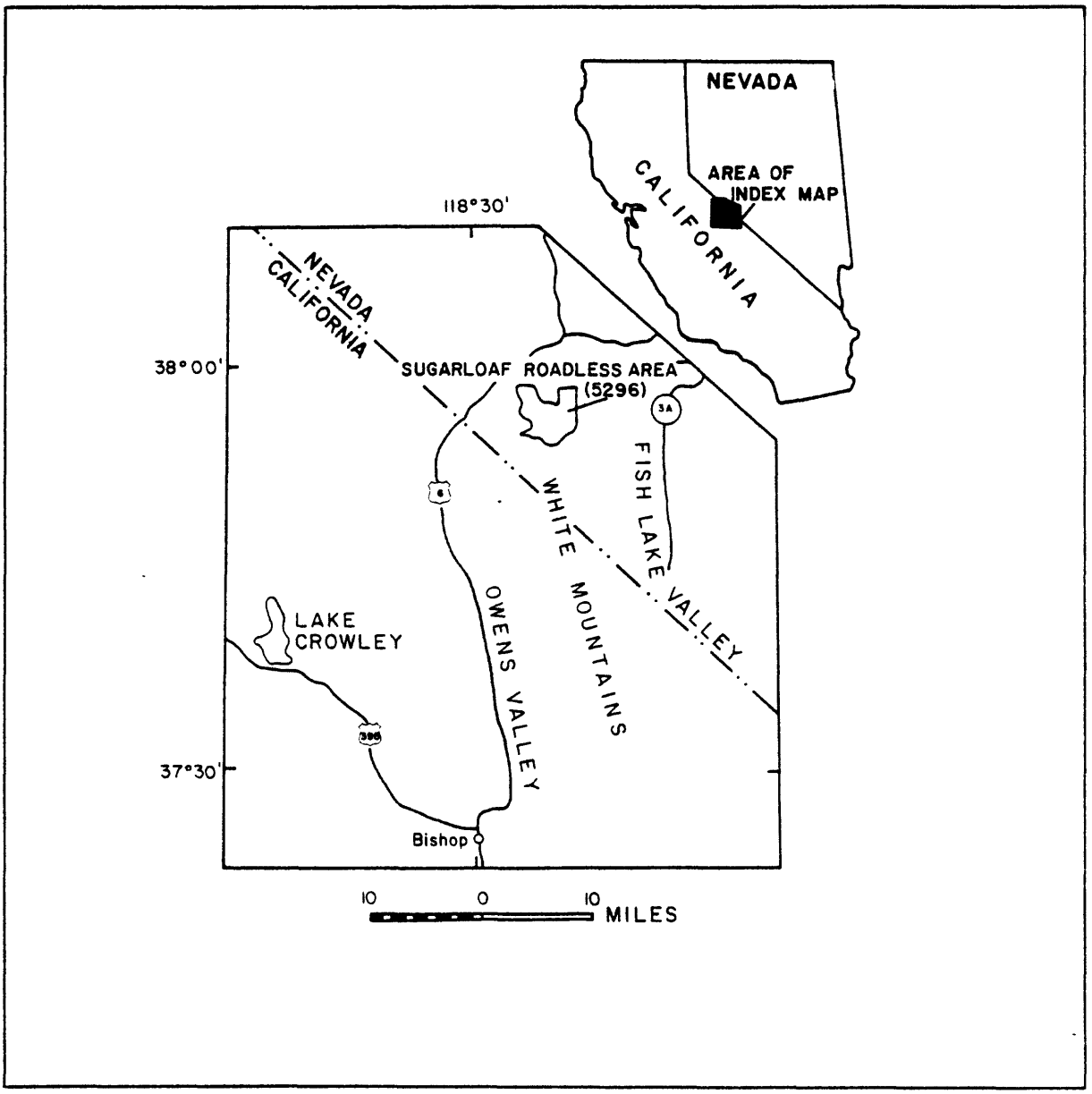

Figure 1--Index map showing location of Sugarloaf Roadless Area.

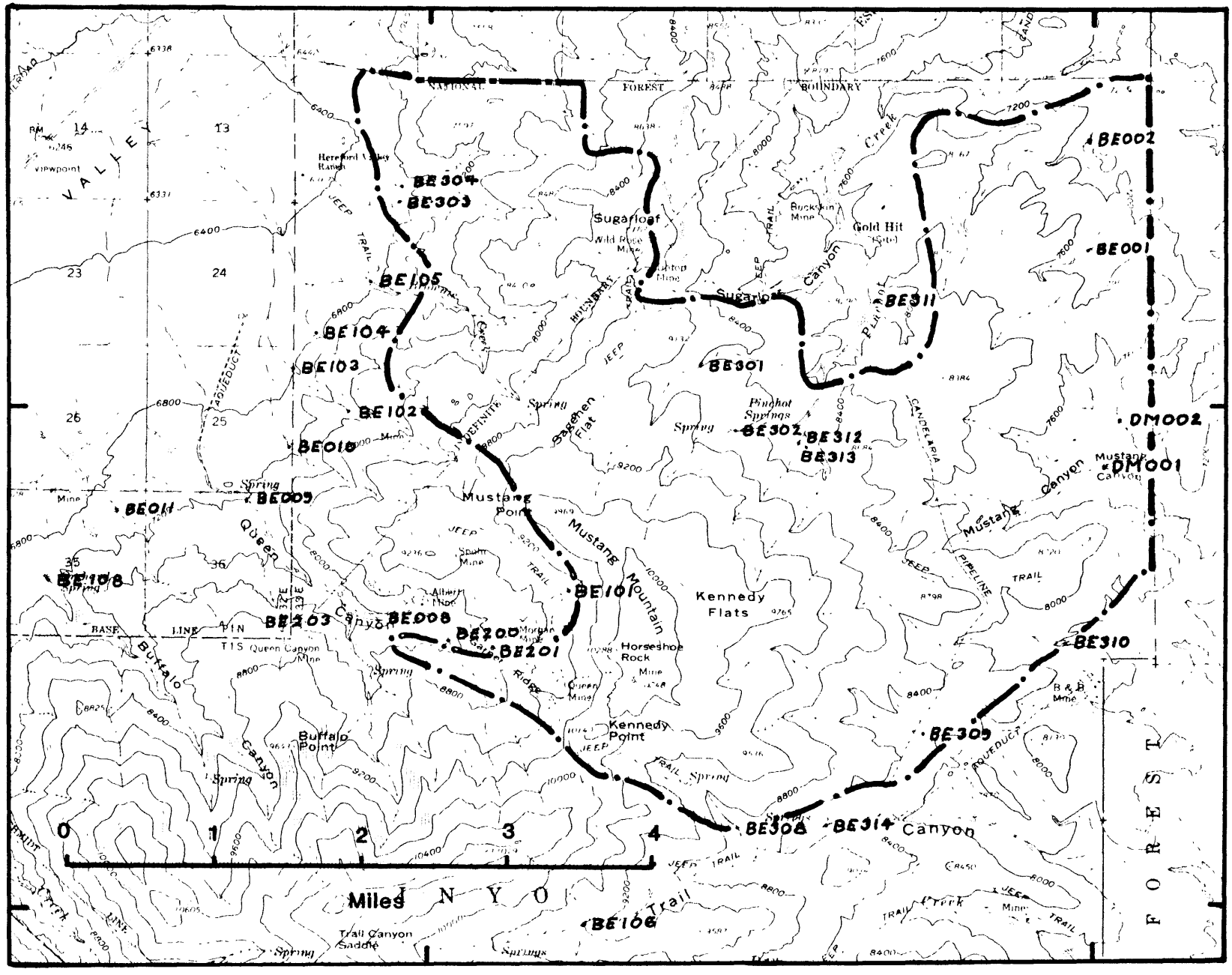

Figure 2--Map showing locations of sampling sites in the Sugarloaf Roadless Area. Base from U.S. Geological Survey Benton, 1962, Davis Mountain, 1963.

(Robinson and Crowder, 1973). A generalized geologic map of the Sugarloaf Roadless Area within the White Mountains was compiled by McKee (1982).

SAMPLE COLLECTION AND PREPARATION

At most sampling sites a rock sample, a stream-sediment sample, and a bulk stream-sediment sample to be used for panning were collected. When water was available, the bulk sample was pan-concentrated at the sampling site. At some sites only one or two of the three sample types were collected depending upon their availability. A total of 24 rock samples, 29 stream-sediment samples, and 29 bulk-sediment nonmagnetic heavy-mineral-concentrate samples were analyzed. The analyses for each sample type are listed in tables 7 through 9. Approximate sampling density was 1 sample/1.3 mi2 for rocks, and 1 sample/1.0 mi2 for the two sediment sample types.

Sample numbers

Each sampling site shown on figure 2 was assigned a station location number. A two-letter prefix denotes the name of the U.S. Geological Survey topographic quadrangle where the sample was collected: BE, Benton and DM, Davis Mountain. The following three digits are unique to the sampling sites within each designated quadrangle, 001-099 series samples were collected by E. H. McKee, the 100-199 series by M. F. Diggles, the 200-299 series by R. A. Howe, and the 300-399 series by D. A. Dellinger. Each sample has a station-location number followed by a suffix denoting the sample type; rock samples are suffixed by RK, stream-sediment samples by SS, and nonmagnetic concentrate samples by KN. The station location map (fig. 2) shows the locations and station-location numbers of all sampling sites in the study area.

Rock samples

At each station, a rock sample that was considered to be representative of the dominant lithology of the general area was collected within 150 ft of the sediment sampling site. A small number of samples were collected from outcrops that were conspicuously iron stained. Conspicuously-weathered material was avoided. Samples were crushed, split, and ground to minus 300-mesh in a pulverizer with ceramic plates; a split of this material was saved for analysis.

Stream-sediment samples

Sampling stations were located at first-order (unbranched) and second-order (below the junction of two first-order) streams as shown on 1:62,500-scale U.S. Geological Survey topographic maps. Samples of the most organic-free sediment available were collected from active channels. The samples are composites of material collected across the full width of the channel or, where necessary, along an active bar deposit. Areas where the sediment was composed predominantly of coarse material were avoided to insure that sufficient fine-grained material would be in the sample. Areas with only fine sediment often tend to have natural concentrations of low-density quartzo-feldspathic sediments that would not contain material from mineral deposits located upstream; these were also avoided. Fine-grained heavy minerals tend to occur with coarser grained quartzo-feldspathic minerals and rock fragments because of their similar behavior during deposition. Therefore, poorly sorted

coarse sand- to silt-size material was collected when available. All material was passed through a 8-mesh stainless steel screen on site to remove pebbles and cobbles before further processing. Wet samples were air dried, then sieved through a 60-mesh stainless-steel screen in an aluminum frame. The minus-60-mesh fraction was pulverized to minus 300-mesh in a pulverizer with ceramic plates and a split of this material was saved for analysis.

Nonmagnetic heavy-mineral-concentrate samples

The bulk material for the nonmagnetic-concentrate samples was gathered in the same manner as that described above for the minus-60-mesh stream-sediment samples. Each bulk sample was passed through an 8-mesh stainless steel screen to remove the coarsest material. The sediment passing through the screen was wet panned to remove organic and clay-size material and to concentrate the heavy minerals. The remaining sample was air dried and passed through an 18-mesh sieve. The less sense fraction was separated and removed by floatation in bromoform (sp. gr. 2.86). The highly magnetic minerals, primarily magnetite and ilmenite, were removed from the heavy-mineral fraction with a hand magnet and the remaining heavy-mineral fraction separated into magnetic and nonmagnetic fractions using a Frantz Isodynamic Separator at a setting of 0.6 amperes, with 15o forward and 15o side angle settings. The resulting nonmagnetic sample was split into two fractions; one fraction was ground in an agate morter prior to analysis and the other fraction was saved for future mineralogical studies. Sample preparation was done by W. W. Atkinson, D. L. Fey, G. C. Van Gaalen, David Huston, R. R. Oaks, and Mark Woempner.

CHEMICAL ANALYSIS PROCEDURE

Emission spectroscopy

Laboratory preparation and analysis was performed by members of the Branch of Exploration Geochemistry of the U.S. Geological Survey. All three sample types were analyzed for 31 elements (Fe, Mg, Ca, Ti, Mn, Ag, As, Au, B, Ba, Be, Bi, Cd, Co, Cr, Cu, La, Mo, Nb, Ni, Pb, Sb, Sc, Sn, Sr, Th, V, W, Y, Zn, and Zr) using a six-step semiquantitative emission spectrographic method similar to that described by Myers and others (1961) and Grimes and Marranzino (1968). The technique used for the spectrographic analysis of the heavy-mineral concentrate samples differed from that for rocks and bulk stream sediments in order to limit interference caused by high iron, calcium, titanium, manganese, and zirconium concentrations. Half of the sample material was replaced with a mixture of graphite and silica. The spectral lines were recorded on film and compared against standards in the usual manner; values were doubled to produce the analyses in table 9. Values that were produced by this method and which did not fall into one of the standard six-step reporting intervals were reported as the next higher reporting value. This procedure raises the upper and the lower limits of detection; detection limits for each sample type are given in table 1.

The spectrographic analytical values are reported as the approximate geometric midpoints of concentration ranges with six intervals in each order of magnitude. The reporting values and widths between range boundries are evenly spaced on a logarithmic-normal scale, which is consistent with the expected distribution of most elements in geologic materials (Rose and others, 1979). Analyses are reported at one of the six-step values listed in table 2, or appropriate integral powers of ten of these values.

In general, the precision of the spectrographic method is plus or minus

one reporting value of the value given by the analyst approximately 83 percent of the time and plus or minus two reporting values of the value given by the analyst 96 percent of the time (Motooka and Grimes, 1976). Because all of the samples for this report were analyzed by the same analyst using the same spectrographic instrument, our experience indicates that better precision can be expected. A reference-standard sample was analyzed with each batch of field samples to monitor the quality of the analyses. However, the analyses for these samples have been omitted from tables 7 through 9. Because the analysis of heavy-mineral concentrates by emission spectroscopy involves half of the amount of sample normally used in this type of analyses, and because of rounding errors on some values, the precision of these determinations is probably less than those of the other two sample types, particularly for values near the limits of detection (Diggles and others, 1980).

Atomic absorption and fluorometric analysis

In addition to the standard 31 element spectrographic analysis done for all samples and all sample types, all of the rock and stream-sediment samples were analysed for zinc by flame atomic-absorption spectrometry (Ward and others, 1969) and for gold by flameless atomic-absorption spectrometry (Meier, 1980) All of the stream-sediment samples were also analyzed for mercury by a modification of the atomic absorption methods of McNerney and others (1972) and Vaughn and McCarthy (1964). In this process, mercury is vaporized by heating, passed through the lamp beam on the atomic-absorption instrument, and measured. Twenty selected stream-sediment samples were also analyzed for uranium by fluorometry (Centanni and others, 1956). The samples selected for analysis for uranium were collected from areas with favorable geologic conditions for its occurrence. These analytical methods produce quantitative rather than semiquantitative results. In addition, lower concentrations of elements can be detected (Dellinger and others, 1982; Rose and others, 1979).

The precision of a determination varies both with the technique and the concentration of the element analyzed. Precision for these analytical methods is commonly reported as a percent relative standard deviation (%RSD), and is based on replicate analyses of samples selected to provide information at different concentration levels. In general, the precision for each method tends to be lowest for those samples containing a given element at or near its lower limit of determination. For the four elements discussed here, the reported ranges of percent relative standard deviation, as determined by replicate analyses of a limited sample set, are as follows:

Element	Range of % RSD	Source of data
Au	0.0 - 22.8	Meier (1980)
Hg	8.2 - 30.4	D. L. Fey, (unpub. data)
U	5.0 - 20.0	S. J. Sutley (oral commun., 1982)
Zn	3.4 - 30.2	Ward and others (1969, p. 21)

The analytical results for the atomic absorption and fluorometric analyses are presented as reported by the analyst in tables 7 through 9. In tables 10 through 12, however, these analyses are presented in terms of six-step intervals (table 2) and thus allow statistical treatment consistent with that for the semiquantitative analyses. Atomic-absorption spectrometric analyses were performed by D. L. Fey and R. H. Hill, fluorometry by H. M. Nakagawa, and emission spectroscopy by S. J. Sutley.

RESULTS OF ANALYSES

The analytical results for iron, magnesium, calcium, and titanium are reported in percent; analytical values for all other elements are given in parts per million (ppm). The analytical results were entered into the U.S. Geological Survey Rock Analysis Storage System (RASS). A standard binary STATPAC (Statistical Package) file was generated from the RASS file using RASS program RETRIEVAL (b860). The format of a STATPAC data set is a two-dimensional data matrix with a data set identifier, row and column identifiers, row indices and a location for each row. Each row contains all analyses for a single sample; each column contains analyses of all samples for an element with a separate column for each analytical method used for an element. The data-set format has provisions for analytical-value qualification codes. The codes used are listed in table 3. A comprehensive description of the RASS-STATPAC system is given by VanTrump and Miesch (1976).

Tables 7 through 9 are listings of the chemical analyses for the samples of rock, minus-60-mesh stream sediment, and nonmagnetic heavy-mineral concentrate, respectively. In each of the tables, the first column contains the USGS-assigned sample numbers which coincide with the numbers on the sampling-site location map (fig. 2). In tables 7 through 9 rock samples are suffixed by RK, stream-sediment samples by SS, and concentrate samples by KN. Columns 2 and 3 contain north latitudes and west longitudes in degrees, minutes and seconds. Columns 4 and 5 contain the Universal Transverse Mercator (UTM) coordinates for easting and northing. Columns for elements are headed with the element symbol, reporting units, and type of analysis. Percent is denoted by "pct", parts per million by "ppm", emission spectrographic analysis by "s", atomic absorption analysis by "aa", and fluorometric analysis by "INST". Because of the formatting used in the computer program that produced tables 7 through 9, some of the elements listed in these tables (Ca, Fe, Mg, Ti, Ag, and Be) carry one or more nonsignificant zeros to the right of the significant digits. The analyst did not determine these elements to the accuracy suggested by the extra zeros. Tables 7 through 9 were produced by formatting the data in the STATPAC file with the program PUBLST, written by J. B. Fyfe (written commun., 1980) of the U.S. Geological Survey.

Several of the elements have lower limits of analytical detection (using the semiquantitative spectrographic method) that are usually above the normal concentrations for these elements in natural materials. We found no rock samples that contained gold, bismuth, cadmium, tin, or thorium in concentrations as great as their lower limits of determination. Also, for the rock samples no analyses for mercury or uranium were made. These seven elements have been deleted from tables 4, 7, and 10. No stream-sediment samples analyzed by emission spectrography contained gold, bismuth, cadmium, tin, tungsten, or thorium in concentrations as great as their lower limits of detection. Consequently, these six elements have been deleted from tables 5, 8, and 11. No heavy-mineral concentrate samples were analyzed by atomic absorption or fluorometry; therefore, analyses for gold and zinc are only available from emission spectrographic analysis and no analyses are available for mercury or uranium. These four elements have been deleted from tables 6, 9, and 12. This editing and other format editing of the binary STATPAC data files was done using the program EDSTAT written by J. B. Fyfe (written commun., 1981).

STATISTICAL SUMMARIES

Tables 4 through 6 are summary statistics based on data provided by computer programs in the U.S. Geological Survey RASS-STATPAC system (VanTrump and Miesch, 1976). Tables 10 through 12 are statistical summaries of the analytical data, generated using the statistical program TOTS, written by Richard D. Koch (written commun., 1981) of the U.S. Geological Survey. The program was used to divide all data not already reported in six-step class intervals into the intervals listed in table 2. The program creates frequency tables and histograms based on these intervals and computes the arithmetic means, standard deviations, geometric means, and geometric deviations of the populations. Entries in tables 10 through 12 are identified in an explanation preceding table 10

In tables 10 through 12 values qualified with N, L, G, or H were not considered in the histograms; the resulting statistics are therefore biased. Many of the histograms show this bias by their truncated form.

The geometric mean of a set of analyses is the antilogarithm of the arithmetic mean of the logarithms of the analyses. This mean is an indication of central tendency and does not indicate geochemical abundance. Most elements are log-normally distributed in geologic materials (Ahrens, 1957; Siegel, 1974); histograms based on logarithmic scales like those used in tables 10 through 12 will be symmetrical for log-normal distributions. The geometric deviation of a set of analyses is the antilogarithm of the standard deviation of the logarithms of the analyses and is useful for noting the spread of a log-normally distributed population.

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Table 1.--Upper and lower limits of determination for samples of rock, stream sediment, and heavy-mineral concentrate

[All analyses by semiquantitative emission spectroscopy except as noted; aa, atomic absorption spectrometry; INST, fluorometry; ppm, parts per million]

Elements and reporting units	Limits for rock and stream-sediment samples		Limits for heavy-mineral concentrate samples	
	Lower	Upper	Lower	Upper
Ca, percent	0.05	20	0.1	50
Fe, percent	.05	20	.1	50
Mg, percent	.02	10	.05	20
Ti, percent	.002	1	.005	2
Ag, ppm	.5	5,000	1	10,000
As, ppm	200	10,000	500	20,000
Au, ppm	10	500	20	1,000
B, ppm	10	2,000	20	5,000
Ba, ppm	20	5,000	50	10,000
Be, ppm	1	1,000	2	2,000
Bi, ppm	10	1,000	20	2,000
Cd, ppm	20	500	50	1,000
Co, ppm	5	2,000	10	50
Cr, ppm	10	5,000	20	10,000
Cu, ppm	5	20,000	10	50,000
La, ppm	20	1,000	50	2,000
Mn, ppm	10	5,000	20	10,000
Mo, ppm	5	2,000	10	5,000
Nb, ppm	20	2,000	50	5,000
Ni, ppm	5	5,000	10	10,000
Pb, ppm	10	20,000	20	50,000
Th, ppm	100	2,000	200	5,000
Sb, ppm	100	10,000	200	20,000
Sc, ppm	5	100	10	200
Sn, ppm	10	1,000	20	2,000
Sr, ppm	100	5,000	200	10,000
V, ppm	10	10,000	100	20,000
W, ppm	50	10,000	100	20,000
Y, ppm	10	2,000	20	5,000
Zn, ppm	200	10,000	500	20,000
Zr, ppm	10	1,000	20	2,000
Au-aa, ppm	.002	1/	2/	--
Hg-aa, ppm	.02	1/	2/	--
Zn-aa, ppm	5	1/	2/	--
U-INST ppm	<.1	1/	2/	--

1/Dilution during sample preparation eliminates any upper detection limit.
2/No atomic absorption nor fluorometry analysis performed.

Table 2.--Reporting values and ranges for six-step, semiquantitative spectrographic analyses

Reporting values (class interval midpoints)	Concentration ranges	Class interval widths
1.5	1.2 - 1.8	0.6
2.0	1.8 - 2.6	.8
3.0	2.6 - 3.8	1.2
5.0	3.8 - 5.6	1.8
7.0	5.6 - 8.3	2.7
10	8.3 - 12	3.7

Table 3.--Qualification codes used in tables 7 through 12
[n refers to value of upper or lower limit of determination]

Code in tables 10 through 12	Code in tables 7 through 9	Meaning
B	--	Blank; no analysis performed
N	N	Not detected by analysis at the lower limit of determination shown in parentheses
L	<n	Detected, but below the lower limit of determination shown
G	>n	Element present in an amount greater than the upper limit of determination shown

Table 4.--Summary statistics for the analyses of rock samples

[All concentrations are in parts per million except those for Ca, Fe, Mg, and Ti, which are in percent. N, not detected at the lower limit of determination; L, detected, but below lower limit of determination shown in parentheses. All analyses are emission spectrographic unless otherwise indicated; aa following the element symbol indicates atomic-absorption analysis. There were no unqualified values reported for Au, Bi, Cd, Sn, and Th; thus, meaningful statistical information could not be derived for those elements]

Element	Range of values	Geometric mean	Geometric deviation	Percentiles				
				50	75	90	95	98
Ca	0.05-5	0.42	4.1	0.4	1.25	2.0	3.5	5
Fe	.5-7	1.4	2.4	1.25	2.5	5	5	6
Mg	.02-3	.28	3.5	.20	.85	1.0	1.5	2.5
Ti	.07-1	.20	2.5	.20	.50	.70	.70	.85
Ag	.7-.7	.70	0	N(.5)	N(.5)	N(.5)	L(.5)	.6
As	1,000-1,000	1,000	0	N(200)	N(200)	N(200)	N(200)	600
B	10-200	26	2.3	15	50	60	85	100
Ba	20-1,000	200	3.1	300	500	700	700	850
Be	1-5	2.1	1.7	2	3	5	5	5
Co	5-50	14	1.9	6	15	20	25	40
Cr	10-150	20	2.7	10	17.5	85	100	125
Cu	5-50	13	2.3	L(5)	8.5	20	35	50
La	30-100	58	1.3	50	70	70	85	100
Mn	150-700	290	1.7	300	500	500	600	700
Mo	5-10	6.1	1.4	N(5)	N(5)	5	6	8.5
Nb	20-30	22	1.2	L(20)	20	20	25	30
Ni	5-50	11	2.3	7	15	40	50	50
Pb	10-70	22	1.7	20	30	40	50	60
Sb	100-5,000	370	9.6	N(100)	N(100)	100	100	2,550
Sc	5-50	12	2.1	7	15	30	30	40
Sr	100-500	260	1.8	200	400	500	500	500
V	10-200	41	3.0	50	100	125	150	175
W	50-50	50	0	50	50	50	50	50
Y	10-20	15	1.3	15	20	20	20	20
Zn	700-700	700	0	N(200)	N(200)	N(200)	N(200)	450
Zr	30-150	86	1.4	100	100	100	125	150
Au-aa	.003-.016	.006	1.8	N(.002)	N(.002)	.004	.005	.011
Zn-aa	5-550	25	3	27.5	45	65	77	320

Table 5.--Summary statistics for the analyses of minus-60-mesh stream-sediment samples

[All concentrations are in parts per million except those for Ca, Fe, Mg, and Ti, which are in percent. N, not detected at the lower limit of determination; L, detected, but below lower limit of determination shown in parentheses. All analyses are emission spectrographic unless otherwise indicated; aa following the element symbol indicates atomic-absorption analysis; INST, fluorometric analysis. There were no unqualified values reported for Au, Bi, Cd, Sn, W, and Th; thus, meaningful statistical information could not be derived for those elements]

Element	Range of values	Geometric mean	Geometric deviation	Percentiles				
				50	75	90	95	98
Ca	0.3-1	0.62	1.4	0.7	0.7	1	1	1
Fe	1-3	1.7	1.4	1.5	2	3	3	3
Mg	.2-1	.46	1.6	.5	.7	.85	1	1
Ti	.1-.7	.24	1.8	.2	.3	.5	.6	.7
Ag	.5-7	1.1	2.7	N(.5)	.7	1	4	7
B	15-70	35	1.6	30	50	60	70	70
Ba	150-700	310	1.6	300	500	500	600	700
Be	2-5	2.7	1.3	3	3	3	4	5
Co	5-20	9	1.6	7	15	17	20	20
Cr	10-70	23	1.7	20	30	50	50	60
Cu	5-50	13	1.7	10	20	20	25	40
La	30-100	60	1.3	50	70	85	100	100
Mn	200-700	570	1.3	700	700	700	700	700
Mo	5-10	5.4	1.2	5	5	7	7	8.5
Nb	20-20	20	0	20	20	20	20	20
Ni	5-30	13	1.8	15	20	30	30	30
Pb	20-200	32	1.7	30	30	50	75	150
Sb	100-100	100	0	100	100	100	100	100
Sc	5-20	9.3	1.5	10	15	15	17.5	20
Sr	150-500	250	1.4	200	300	300	400	500
V	20-100	57	1.5	50	70	100	100	100
Y	10-20	18	1.2	20	20	20	20	20
Zn	200-200	200	0	200	200	200	200	200
Zr	70-200	120	2.3	100	150	175	200	200
Au-aa	.002-.076	.010	4.0	L(.002)	.005	.0375	.0605	.0745
Hg-aa	L(.02)-7	.16	3.2	.12	.35	.675	.70	3.85
Zn-aa	15-450	42	2.5	30	55	170	250	375
V-INST	.35-16	.76	2.4	.595	.79	2.5	9.9	9.9

Table 6.--Summary statistics for the analyses of minus-0.25-mm nonmagnetic-heavy-mineral concentrate samples

[All concentrations are in parts per million except those for Ca, Fe, Mg, and Ti, which are in percent. All analyses are emission spectrographic. N, not detected at the lower limit of determination; L, detected, but below lower limit of determination G, greater than upper limit of determination shown in parentheses]

Element	Range of values	Geometric mean	Geometric deviation	Percentiles				
				50	75	90	95	98
Ca	2-20	5.3	1.59	5	7	10	10	15
Fe	.5-5	1.3	1.82	1.5	2	3	3	4
Mg	.1-2	.41	1.98	.5	.7	.7	.85	1.5
Ti	2-G(2)	2	--	G(2)	G(2)	G(2)	G(2)	G(2)
Ag	2-200	16	4.04	N(1)	7	35	50	125
As	700-700	700	--	N(500)	N(500)	N(500)	N(500)	600
Au	50-50	50	--	N(20)	N(20)	N(20)	N(20)	35
B	20-700	79	2.51	100	150	250	300	500
Ba	150-10,000	770	4.05	700	10,000	10,000	10,000	G(10,000)
Be	2-70	4.1	4.05	L(2)	L(2)	2.5	3	36.5
Bi	150-150	150	--	N(20)	N(20)	N(20)	N(20)	85
Cd	100-100	100	--	N(50)	N(50)	N(50)	L(50)	75
Co	10-150	22	2.41	L(10)	20	40	75	125
Cr	20-100	48	1.59	50	70	70	70	85
Cu	10-100	21	2.21	10	20	50	75	100
La	200-1,500	500	1.73	500	700	1,000	1,250	1,500
Mn	200-3,000	650	1.76	700	1,000	1,000	1,500	2,500
Mo	10-30	14	1.39	10	15	20	20	25
Nb	100-500	190	1.77	150	200	500	500	500
Ni	20-70	34	1.62	N(10)	20	50	50	60
Pb	20-5,000	170	4.25	100	300	1,500	2,250	4,000
Sb	200-200	200	--	N(200)	N(200)	L(200)	L(200)	200
Sc	20-100	45	1.50	50	50	70	70	85
Sn	20-500	64	2.14	50	70	125	225	400
Sr	20-7,000	430	2.39	300	500	1,250	1,500	4,250
Th	20-1,500	330	1.77	200	500	700	700	1,100
V	100-200	180	1.22	200	200	200	200	200
W	100-500	160	2.05	N(100)	L(100)	100	200	400
Y	150-1,000	400	1.60	500	500	700	700	850
Zn	2,000-2,000	2,000	--	N(500)	N(500)	N(500)	N(500)	1,250
Zr	G(2,000)-G(2,000)	0	--	G(2,000)	G(2,000)	G(2,000)	G(2,000)	G(2,000)

Table 7. Data for rock samples in the Sugarloaf Roadless Area, Nevada

Sample	Latitude	Longitude	UTM Easting	UTM Northing	Fe-pct s	Mg-pct s	Ca-pct s	Ti-pct s	Mn-ppm s	Ag-ppm s	As-ppm s
BE001RK	37 55 56	118 15 2	390,100	4,198,840	1.0	.15	.50	.10	500	N	N
BE002RK	37 56 36	118 15 2	390,110	4,200,060	.7	.10	.15	.07	300	N	N
BE008RK	37 53 44	118 20 21	382,240	4,194,860	3.0	.20	.15	.70	300	N	N
BE009RK	37 54 27	118 21 21	380,800	4,196,210	7.0	.50	.15	.70	700	N	N
BE010RK	37 54 46	118 21 3	381,260	4,196,790	5.0	.70	.05	.50	200	N	N
BE011RK	37 54 23	118 22 20	379,370	4,196,120	1.5	.30	1.00	.20	200	N	N
BE101RK	37 53 54	118 18 55	384,350	4,195,160	.5	.15	.50	.07	300	N	N
BE102RK	37 54 59	118 20 36	381,930	4,197,180	2.0	1.00	2.00	.30	500	N	N
BE104RK	37 55 27	118 20 50	381,590	4,198,050	.7	.20	1.00	.15	300	.7	N
BE105RK	37 55 45	118 20 25	382,200	4,198,610	2.0	1.00	2.00	.20	500	N	N
BE200RK	37 53 37	118 19 50	383,010	4,194,630	2.0	.05	.05	.50	150	N	1,000
BE203RK	37 53 43	118 20 34	381,930	4,194,840	2.0	1.00	1.50	.20	200	N	N
BE301RK	37 55 15	118 17 56	385,820	4,197,630	.7	.07	.10	.10	200	N	N
BE302RK	37 54 52	118 17 41	386,200	4,196,910	.5	.02	.10	.07	200	<.5	N
BE303RK	37 56 14	118 20 12	382,540	4,199,480	5.0	3.00	5.00	.50	500	N	N
BE304RK	37 56 19	118 20 11	382,560	4,199,650	5.0	2.00	5.00	.70	700	N	N
BE308RK	37 52 29	118 17 39	386,170	4,192,500	1.5	1.00	.30	.20	200	N	N
BE309RK	37 53 3	118 16 16	388,220	4,193,520	.7	.20	.30	.10	200	N	N
BE310RK	37 53 36	118 15 12	389,810	4,194,500	3.0	.70	2.00	1.00	200	N	N
BE311RK	37 55 38	118 16 38	387,750	4,198,320	.5	.07	.05	.07	500	N	N
BE312RK	37 54 48	118 17 13	386,880	4,196,770	.7	.20	.70	.10	500	N	N
BE313RK	37 54 46	118 17 9	386,970	4,196,710	.5	.10	.20	.10	300	N	N
DM001RK	37 54 38	118 14 55	390,250	4,196,430	1.0	.50	1.00	.20	150	N	N
DM002RK	37 54 55	118 14 47	390,430	4,196,960	.5	.20	.20	.07	150	N	N

Table 7. Data for rock samples in the Sugarloaf Roadless Area, Nevada - (continued)

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
BE001RK	50	70	5.0	N	10	5	50	10	30	7	50
BE002RK	30	50	2.0	N	N	<5	70	5	20	7	30
BE008RK	100	300	2.0	20	150	20	70	N	<20	50	10
BE009RK	70	300	1.0	20	100	<5	70	N	<20	50	10
BE010RK	50	200	1.0	20	100	7	50	N	<20	50	N
BE011RK	<10	500	1.5	N	<10	<5	50	N	N	<5	20
BE101RK	30	30	5.0	N	N	<5	50	N	20	5	30
BE102RK	10	700	1.5	15	15	15	70	N	N	10	20
BE104RK	10	500	2.0	7	10	<5	70	N	N	7	15
BE105RK	10	700	1.0	10	10	7	70	N	N	7	20
BE200RK	100	200	2.0	7	70	20	50	5	N	20	70
BE203RK	<10	1,000	1.5	15	20	7	100	N	N	10	15
BE301RK	50	30	3.0	N	10	<5	70	7	30	7	30
BE302RK	50	20	3.0	N	N	<5	50	5	20	5	30
BE303RK	<10	500	<1.0	50	20	50	50	N	N	30	15
BE304RK	<10	500	1.0	30	10	50	50	N	N	20	15
BE308RK	<10	300	2.0	10	10	<5	50	N	N	10	10
BE309RK	10	300	2.0	N	10	<5	30	N	<20	5	20
BE310RK	10	700	1.0	15	10	10	70	N	<20	10	20
BE311RK	15	70	3.0	<5	<10	<5	<20	N	20	5	20
BE312RK	10	200	2.0	N	N	<5	50	N	<20	<5	20
BE313RK	15	100	5.0	N	<10	<5	50	N	<20	5	20
DM001RK	30	300	5.0	5	10	5	100	N	20	5	30
DM002RK	20	70	3.0	N	N	<5	50	N	20	<5	50

Table 7. Data for rock samples in the Sugarloaf Roadless Area, Nevada - (continued)

Sample	Sb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Zn-ppm aa
BE001RK	N	N	150	10	N	20	N	70	N	20
BE002RK	N	<5	N	10	N	15	N	100	N	15
BE008RK	N	30	100	100	N	20	N	150	N	90
BE009RK	N	30	100	100	N	20	N	100	N	65
BE010RK	N	30	N	150	N	15	N	100	N	65
BE011RK	N	5	200	10	N	15	N	100	N	10
BE101RK	N	5	100	<10	N	15	N	70	.016	5
BE102RK	N	10	500	70	N	15	N	100	N	55
BE104RK	100	7	300	50	N	15	N	70	.003	40
BE105RK	N	10	500	70	N	15	N	70	N	45
BE200RK	5,000	15	200	70	50	15	700	70	.006	550
BE203RK	N	10	500	100	N	15	N	100	N	40
BE301RK	N	N	N	<10	N	20	N	100	N	10
BE302RK	N	<5	N	<10	N	15	N	100	N	10
BE303RK	N	50	500	200	N	20	N	30	N	45
BE304RK	N	20	500	150	N	20	N	70	N	45
BE308RK	N	7	300	70	N	10	N	70	N	35
BE309RK	N	5	200	50	N	10	N	100	N	10
BE310RK	N	15	500	100	N	20	N	150	N	35
BE311RK	100	N	<100	10	N	15	N	100	.004	15
BE312RK	N	N	200	10	N	10	N	100	N	10
BE313RK	N	N	<100	10	N	15	N	70	N	10
DM001RK	N	7	300	30	N	15	N	100	.004	5
DM002RK	N	N	<100	10	N	10	N	70	N	10

Table 8. Data for stream-sediment samples in the Sugarloaf Roadless Area, Nevada

Sample	Latitude	Longitude	UTM Easting	UTM Northing	Fe-pct s	Mg-pct s	Ca-pct s	Ti-pct s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s
BE001SS	37 55 56	118 15 2	390,100	4,198,840	1.5	.5	.5	.10	500	N	50	200
BE002SS	37 56 36	118 15 2	390,110	4,200,060	1.0	.2	.3	.10	500	.5	50	200
BE008SS	37 53 44	118 20 21	382,240	4,194,860	2.0	.5	.5	.50	700	.7	70	300
BE009SS	37 54 27	118 21 21	380,800	4,196,210	2.0	.5	.7	.30	500	1.0	50	300
BE010SS	37 54 46	118 21 3	381,260	4,196,790	2.0	.7	.3	.50	500	.7	50	300
BE011SS	37 54 23	118 22 20	379,370	4,196,120	1.5	.5	.5	.20	500	.5	30	300
BE101SS	37 53 54	118 18 55	384,350	4,195,160	1.0	.3	.5	.10	500	N	50	150
BE102SS	37 54 59	118 20 36	381,930	4,197,180	3.0	.7	.7	.50	500	<.5	30	700
BE103SS	37 55 14	118 21 0	381,330	4,197,660	2.0	.7	.7	.50	700	.7	30	500
BE104SS	37 55 27	118 20 50	381,590	4,198,050	2.0	.5	.7	.30	700	7.0	30	500
BE105SS	37 55 45	118 20 25	382,200	4,198,610	3.0	.7	.7	.70	700	.7	30	500
BE106SS	37 51 55	118 18 49	384,470	4,191,470	1.0	.2	.5	.15	300	<.5	30	500
BE108SS	37 53 58	118 22 50	378,610	4,195,350	2.0	.7	1.0	.30	700	N	70	500
BE200SS	37 53 37	118 19 50	383,010	4,194,630	3.0	.5	.5	.70	700	7.0	70	300
BE201SS	37 53 34	118 19 30	383,500	4,194,550	1.5	.3	.7	.20	500	N	30	200
BE203SS	37 53 43	118 20 34	381,930	4,194,840	2.0	1.0	1.0	.20	500	N	20	300
BE301SS	37 55 15	118 17 56	385,820	4,197,630	1.5	.5	.5	.20	700	N	50	300
BE302SS	37 54 52	118 17 41	386,200	4,196,910	1.5	.2	.3	.15	700	N	50	150
BE303SS	37 56 14	118 20 12	382,540	4,199,480	2.0	1.0	.7	.50	700	1.0	20	500
BE304SS	37 56 19	118 20 11	382,560	4,199,650	3.0	1.0	1.0	.30	700	N	15	700
BE308SS	37 52 29	118 17 39	386,170	4,192,500	1.5	.5	.7	.20	500	<.5	50	200
BE309SS	37 53 3	118 16 16	388,220	4,193,520	1.0	.7	1.0	.20	700	N	20	500
BE310SS	37 53 36	118 15 12	389,810	4,194,500	1.5	.3	.5	.20	700	N	30	300
BE311SS	37 55 38	118 16 38	387,750	4,198,320	1.5	.5	.7	.30	700	N	50	300
BE312SS	37 54 48	118 17 13	386,880	4,196,770	1.0	.2	.5	.10	500	<.5	50	200
BE313SS	37 54 46	118 17 9	386,970	4,196,710	1.5	.3	.5	.20	500	N	20	200
BE314SS	37 52 30	118 16 59	387,150	4,192,520	1.0	.3	1.0	.15	200	N	15	300
DM001SS	37 54 38	118 14 55	390,250	4,196,430	2.0	.5	1.0	.20	700	N	30	200
DM002SS	37 54 55	118 14 47	390,430	4,196,960	2.0	.3	.7	.15	700	N	30	300

Table 8. Data for stream-sediment samples in the Sugarloaf Roadless Area, Nevada - (continued)

Sample	Be-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s
BE001SS	5	5	15	10	50	5	20	10	30	N	7
BE002SS	3	5	15	10	70	7	20	7	50	N	5
BE008SS	3	20	50	30	50	5	20	30	30	N	20
BE009SS	2	20	50	20	50	5	<20	30	20	N	15
BE010SS	2	15	70	20	50	5	<20	30	20	N	15
BE011SS	2	10	20	15	50	5	20	15	20	N	10
BE101SS	3	<5	20	7	50	5	20	10	20	N	5
BE102SS	2	15	50	20	100	7	<20	30	50	N	15
BE103SS	3	15	50	20	100	7	<20	20	30	N	20
BE104SS	2	7	30	20	70	5	<20	15	30	N	10
BE105SS	2	20	30	20	70	10	<20	15	20	N	15
BE106SS	3	N	10	5	70	5	<20	5	30	N	5
BE108SS	2	10	30	15	50	<5	<20	20	30	N	10
BE200SS	3	15	30	50	70	<5	20	30	200	100	15
BE201SS	3	10	15	15	50	N	<20	15	30	N	10
BE203SS	2	10	20	10	50	5	<20	15	20	N	10
BE301SS	5	7	30	15	70	5	20	20	30	N	7
BE302SS	3	5	10	10	50	5	20	7	30	N	7
BE303SS	3	15	20	20	100	5	<20	20	50	N	15
BE304SS	2	10	20	15	70	N	<20	10	20	N	15
BE308SS	3	10	20	10	50	5	<20	15	50	N	10
BE309SS	3	5	20	10	50	5	20	7	50	N	7
BE310SS	3	5	10	10	50	<5	<20	7	30	N	7
BE311SS	3	7	20	10	70	5	20	10	30	N	7
BE312SS	3	5	<10	7	50	5	20	5	30	N	5
BE313SS	3	7	15	10	70	5	20	10	20	N	7
BE314SS	2	5	15	5	30	N	<20	5	20	N	7
DM001SS	3	7	20	10	70	<5	20	10	100	N	7
DM002SS	3	7	20	7	70	<5	<20	10	30	N	7

Table 8. Data for stream-sediment samples in the Sugarloaf Roadless Area, Nevada - (continued)

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Au-ppm aa	Hg-ppm aa	Zn-ppm aa	U-INST
BE001SS	200	50	N	20	N	100	N	.35	60	.55
BE002SS	150	30	N	15	N	100	.002	.12	15	.36
BE008SS	200	100	N	20	<200	100	.076	.28	140	--
BE009SS	300	70	N	20	<200	100	.021	.35	100	--
BE010SS	200	70	N	20	N	100	.073	.10	65	--
BE011SS	200	50	N	20	N	150	N	.08	55	--
BE101SS	200	30	N	15	N	100	N	.55	20	.54
BE102SS	200	100	N	20	N	200	.005	<.02	55	.60
BE103SS	200	100	N	20	N	150	.027	.12	40	.88
BE104SS	200	70	N	20	N	150	<.002	.06	45	.56
BE105SS	200	100	N	20	N	200	.048	.08	450	.62
BE106SS	500	20	N	15	N	150	.003	.02	25	3.80
BE108SS	300	70	N	20	N	100	N	.14	300	1.00
BE200SS	200	70	<50	20	200	150	.002	.65	45	.35
BE201SS	300	50	N	15	N	150	<.002	.04	25	.42
BE203SS	300	70	N	15	N	70	N	.22	25	16.00
BE301SS	200	50	N	20	N	100	N	.08	55	.70
BE302SS	150	30	N	20	N	150	N	.06	20	.54
BE303SS	300	100	N	20	N	100	.006	.12	200	.66
BE304SS	300	100	N	20	N	150	.003	.22	50	.64
BE308SS	300	50	N	20	N	100	.016	.06	30	.51
BE309SS	300	70	N	20	N	150	N	.70	25	1.20
BE310SS	300	50	N	15	N	100	N	7.00	20	.59
BE311SS	200	50	N	20	N	200	N	.12	30	.53
BE312SS	200	30	N	15	N	100	N	.08	15	--
BE313SS	300	70	N	15	N	150	N	.22	25	--
BE314SS	500	50	N	10	N	150	<.002	.08	30	--
DM001SS	300	50	N	20	N	100	N	.70	20	--
DM002SS	200	50	N	15	N	100	.002	.40	20	--

Table 9. Data for nonmagnetic panned-concentrate samples in the Sugarloaf Roadless Area, Nevada

Sample	Latitude	Longitude	UTM Easting	UTM Northing	Fe-pct s	Mg-pct s	Ca-pct s	Ti-pct s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
BE001KN	37 55 56	118 15 2	390,100	4,198,840	1.0	.50	5	>2	1,000	N	N	N
BE002KN	37 56 36	118 15 2	390,110	4,200,060	1.5	.70	3	>2	1,000	N	N	N
BE008KN	37 53 44	118 20 21	382,240	4,194,860	3.0	2.00	7	>2	500	20	700	N
BE009KN	37 54 27	118 21 21	380,800	4,196,210	2.0	1.00	5	>2	700	50	N	N
BE010KN	37 54 46	118 21 3	381,260	4,196,790	2.0	.50	5	2	500	2	N	N
BE011KN	37 54 23	118 22 20	379,370	4,196,120	2.0	.70	3	>2	700	7	N	N
BE101KN	37 53 54	118 18 55	384,350	4,195,160	1.5	.70	7	>2	700	N	N	N
BE102KN	37 54 59	118 20 36	381,930	4,197,180	.7	.15	5	2	300	N	N	N
BE103KN	37 55 14	118 21 0	381,330	4,197,660	.7	.15	10	>2	300	N	N	N
BE104KN	37 55 27	118 20 50	381,590	4,198,050	2.0	.30	5	2	500	N	N	N
BE105KN	37 55 45	118 20 25	382,200	4,198,610	1.5	.10	3	>2	200	20	N	50
BE106KN	37 51 55	118 18 49	384,470	4,191,470	.5	.20	5	>2	700	N	N	N
BE108KN	37 53 58	118 22 50	378,610	4,195,350	1.5	.70	20	>2	700	N	N	N
BE200KN	37 53 37	118 19 50	383,010	4,194,630	3.0	.30	3	>2	500	200	N	N
BE201KN	37 53 34	118 19 30	383,500	4,194,550	1.0	.50	5	>2	500	7	N	N
BE203KN	37 53 43	118 20 34	381,930	4,194,840	1.0	.50	10	>2	700	50	N	N
BE301KN	37 55 15	118 17 56	385,820	4,197,630	3.0	.70	5	>2	3,000	N	N	N
BE302KN	37 54 52	118 17 41	386,200	4,196,910	.7	.30	5	>2	700	N	N	N
BE303KN	37 56 14	118 20 12	382,540	4,199,480	5.0	.20	3	2	300	3	N	N
BE304KN	37 56 19	118 20 11	382,560	4,199,650	2.0	.20	2	2	300	15	N	N
BE308KN	37 52 29	118 17 39	386,170	4,192,500	.5	.20	10	>2	500	N	N	N
BE309KN	37 53 3	118 16 16	388,220	4,193,520	1.0	.30	5	>2	500	N	N	N
BE310KN	37 53 36	118 15 12	389,810	4,194,500	1.5	.70	5	>2	1,000	N	N	N
BE311KN	37 55 38	118 16 38	387,750	4,198,320	.7	.70	7	>2	1,000	N	N	N
BE312KN	37 54 48	118 17 13	386,880	4,196,770	1.5	.70	5	>2	700	N	N	N
BE313KN	37 54 46	118 17 9	386,970	4,196,710	.7	.50	5	>2	1,000	N	N	N
BE314KN	37 52 30	118 16 59	387,150	4,192,520	.5	.20	7	>2	700	N	N	N
DM001KN	37 54 38	118 14 55	390,250	4,196,430	1.0	.70	7	>2	1,000	N	N	N
DM002KN	37 54 55	118 14 47	390,430	4,196,960	1.0	.50	5	>2	2,000	N	N	N

Table 9. Data for nonmagnetic panned-concentrate samples in the Sugarloaf Roadless Area, Nevada - (continued)

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
BE001KN	300	700	N	N	N	<10	50	<10	300	15	200	N
BE002KN	100	300	N	N	N	<10	50	<10	500	20	200	N
BE008KN	100	3,000	3	150	N	150	50	50	300	10	200	70
BE009KN	200	7,000	<2	N	N	100	50	30	500	10	200	30
BE010KN	100	700	2	N	N	10	100	20	200	10	100	30
BE011KN	150	10,000	<2	N	N	30	70	20	500	10	150	20
BE101KN	70	1,000	N	N	N	N	50	<10	500	30	200	N
BE102KN	20	>10,000	<2	N	N	<10	20	<10	300	15	150	N
BE103KN	30	10,000	<2	N	N	N	20	<10	700	N	150	N
BE104KN	300	>10,000	<2	N	N	<10	30	10	500	10	100	20
BE105KN	70	>10,000	<2	N	N	<10	70	10	300	<10	100	N
BE106KN	20	200	N	N	N	N	20	N	500	<10	500	N
BE108KN	20	10,000	3	N	N	20	50	10	700	<10	500	N
BE200KN	150	2,000	<2	N	100	20	70	100	200	10	100	50
BE201KN	100	1,000	<2	N	<50	10	70	20	200	10	150	N
BE203KN	20	150	<2	N	N	20	30	100	700	15	500	N
BE301KN	150	500	2	N	N	20	70	30	1,500	15	200	50
BE302KN	150	300	70	N	N	10	50	10	1,000	15	500	N
BE303KN	30	>10,000	<2	N	N	50	30	30	500	20	100	50
BE304KN	<20	>10,000	<2	N	N	15	20	15	500	<10	100	<10
BE308KN	70	500	N	N	N	10	50	10	500	10	150	N
BE309KN	100	700	<2	N	N	<10	70	<10	200	<10	150	N
BE310KN	100	2,000	<2	N	N	<10	70	<10	500	15	150	N
BE311KN	70	300	N	N	N	10	50	N	700	20	150	N
BE312KN	700	300	2	N	N	N	70	10	700	<10	300	20
BE313KN	50	150	<2	N	N	N	70	50	1,500	20	500	N
BE314KN	20	200	N	N	N	<10	30	<10	500	10	500	N
DM001KN	100	200	<2	N	N	N	70	<10	1,000	15	100	N
DM002KN	70	200	<2	N	N	N	70	10	700	20	200	N

Table 9. Data for nonmagnetic panned-concentrate samples in the Sugarloaf Roadless Area, Nevada - (continued)

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
BE001KN	100	N	20	30	500	200	200	N	500	N	>2,000
BE002KN	100	N	50	50	N	200	200	N	500	N	>2,000
BE008KN	1,500	N	30	100	300	200	150	<100	200	N	>2,000
BE009KN	1,500	<200	50	70	500	700	200	500	500	N	>2,000
BE010KN	70	N	20	<20	200	200	150	<100	200	N	>2,000
BE011KN	3,000	N	50	20	300	500	200	100	200	N	>2,000
BE101KN	100	N	50	50	200	300	200	N	700	N	>2,000
BE102KN	1,000	N	50	N	1,500	<200	100	N	300	N	>2,000
BE103KN	100	N	50	<20	500	<200	150	N	300	N	>2,000
BE104KN	50	N	50	<20	1,000	500	150	N	500	N	>2,000
BE105KN	50	N	70	<20	1,500	<200	200	N	200	N	>2,000
BE106KN	70	N	30	100	200	200	150	N	300	N	>2,000
BE108KN	70	N	50	30	700	300	200	<100	500	N	>2,000
BE200KN	5,000	200	30	500	500	200	200	100	150	2,000	>2,000
BE201KN	1,500	N	50	30	500	200	200	N	300	N	>2,000
BE203KN	50	<200	30	70	500	700	200	300	500	N	>2,000
BE301KN	70	N	70	50	200	300	200	N	500	N	>2,000
BE302KN	300	N	70	150	<200	500	200	<100	700	N	>2,000
BE303KN	300	N	100	<20	1,000	700	150	N	500	N	>2,000
BE304KN	500	N	20	N	7,000	200	100	N	200	N	>2,000
BE308KN	30	N	30	50	200	1,500	200	100	500	N	>2,000
BE309KN	150	N	50	30	200	300	200	<100	500	N	>2,000
BE310KN	70	N	50	50	500	200	200	<100	700	N	>2,000
BE311KN	100	N	50	300	200	500	200	100	500	N	>2,000
BE312KN	100	N	50	50	300	200	200	N	500	N	>2,000
BE313KN	50	N	70	100	N	500	200	<100	1,000	N	>2,000
BE314KN	20	N	50	50	200	500	200	N	500	N	>2,000
DM001KN	100	N	70	70	200	200	200	N	500	N	>2,000
DM002KN	100	N	50	50	200	200	150	N	300	N	>2,000

EXPLANATION OF TABLE HEADINGS AND ABBREVIATIONS
USED IN TABLES 10 THROUGH 12

VALUE = the analytical value
NO. = number of occurrences of this value
ANAL = total number of valid data values (= unqualified + N, L, or G)
% = NO. as percent of total number of data values (ANAL)
CUM = number of unqualified records at and below this value
CUM %
(col 1)= unqualified values at or below this value, as percent of ANAL
(col 2)= unqualified values above this value, as percent of ANAL
TOT CUM = number of values (N, L, + unqual.) at or below this value
TOT CUM %
(col 1)= values not B at or below this value, as percent of ANAL
(col 2)= values not B above this value, as percent of ANAL

B - value = number of values qualified with 'B' (= no data)
- percent = percent of all records read (READ)
N - value = number of values qualified with 'N' (= not detected)
- percent = percent of all values not B (ANAL)
L - value = number of values qualified with 'L' (= less than)
- percent = percent of all values not B (ANAL)
G - value = number of values qualified with 'G' (= greater than)
- percent = percent of all values not B (ANAL)
UNQUAL = number of unqualified data values
- percent = percent of values not B (ANAL)
READ = number of samples read

MIN = minimum unqualified value
MAX = maximum unqualified value
AMEAN = arithmetic mean of unqualified values
SD = standard deviation of the unqualified values
GMEAN = geometric mean of unqualified values
GD = geometric deviation of unqualified values
VALUES = number of data values used to compute the above statistics.

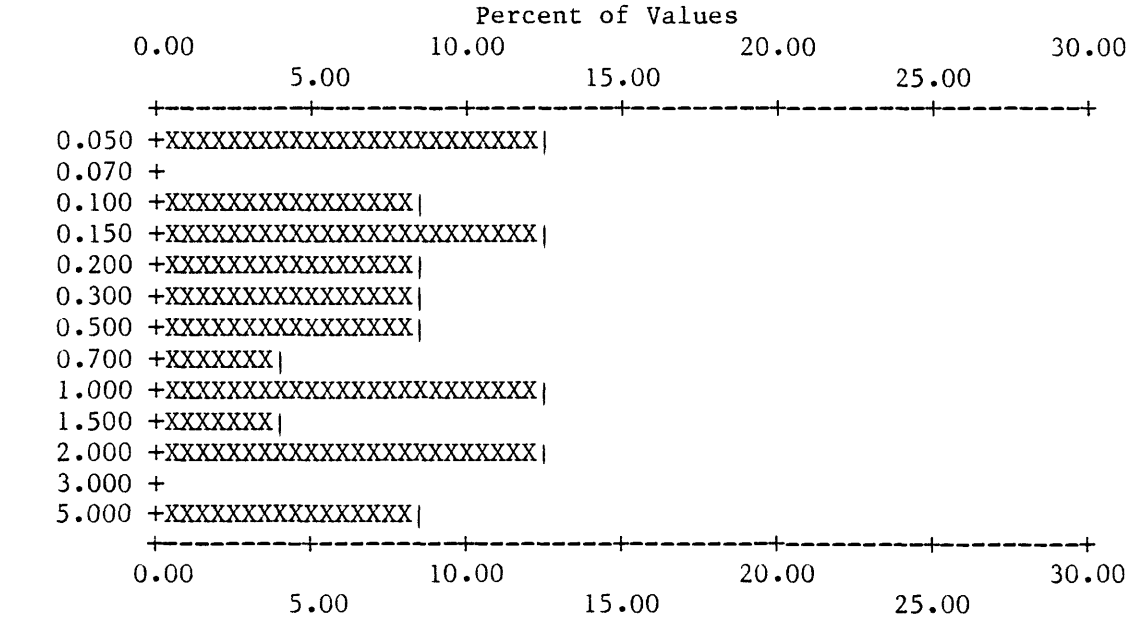
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada

S-CA%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.050	3	12.50	3	12.5	87.5	3	12.5	87.5
2	0.100	2	8.33	5	20.8	79.2	5	20.8	79.2
3	0.150	3	12.50	8	33.3	66.7	8	33.3	66.7
4	0.200	2	8.33	10	41.7	58.3	10	41.7	58.3
5	0.300	2	8.33	12	50.0	50.0	12	50.0	50.0
6	0.500	2	8.33	14	58.3	41.7	14	58.3	41.7
7	0.700	1	4.17	15	62.5	37.5	15	62.5	37.5
8	1.000	3	12.50	18	75.0	25.0	18	75.0	25.0
9	1.500	1	4.17	19	79.2	20.8	19	79.2	20.8
10	2.000	3	12.50	22	91.7	8.3	22	91.7	8.3
11	5.000	2	8.33	24	100.0	0.0	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	24	24	24	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.050	5.00	1.000	1.39	0.418	4.11	24



Each increment (each X or | plotted) = 0.500 %

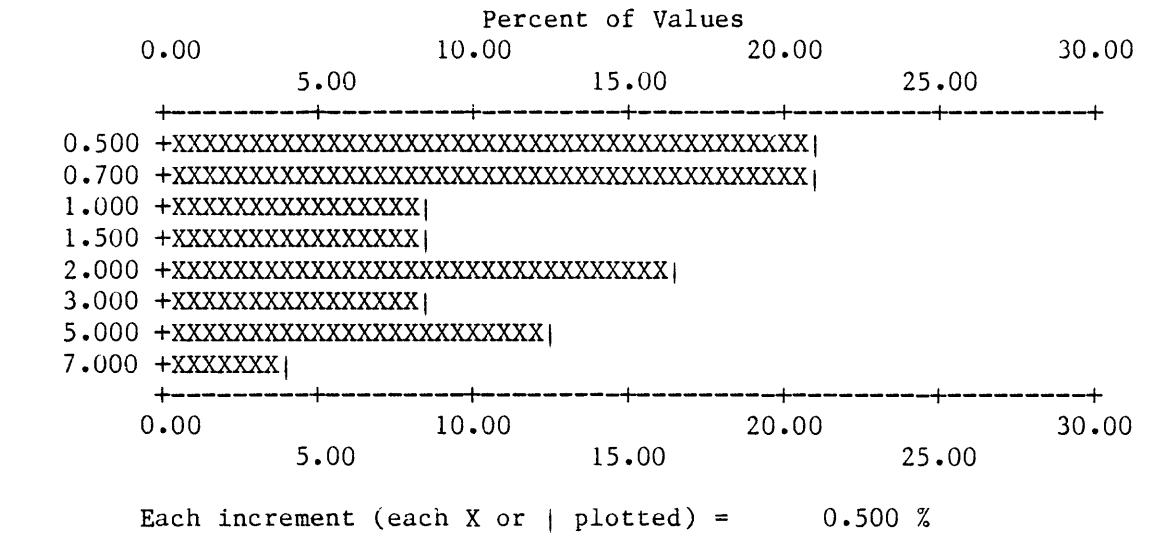
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-FE%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.500	5	20.83	5	20.8	79.2	5	20.8	79.2
2	0.700	5	20.83	10	41.7	58.3	10	41.7	58.3
3	1.000	2	8.33	12	50.0	50.0	12	50.0	50.0
4	1.500	2	8.33	14	58.3	41.7	14	58.3	41.7
5	2.000	4	16.67	18	75.0	25.0	18	75.0	25.0
6	3.000	2	8.33	20	83.3	16.7	20	83.3	16.7
7	5.000	3	12.50	23	95.8	4.2	23	95.8	4.2
8	7.000	1	4.17	24	100.0	0.0	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	24	24	24	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.500	7.00	1.958	1.82	1.356	2.36	24



Each increment (each X or | plotted) = 0.500 %

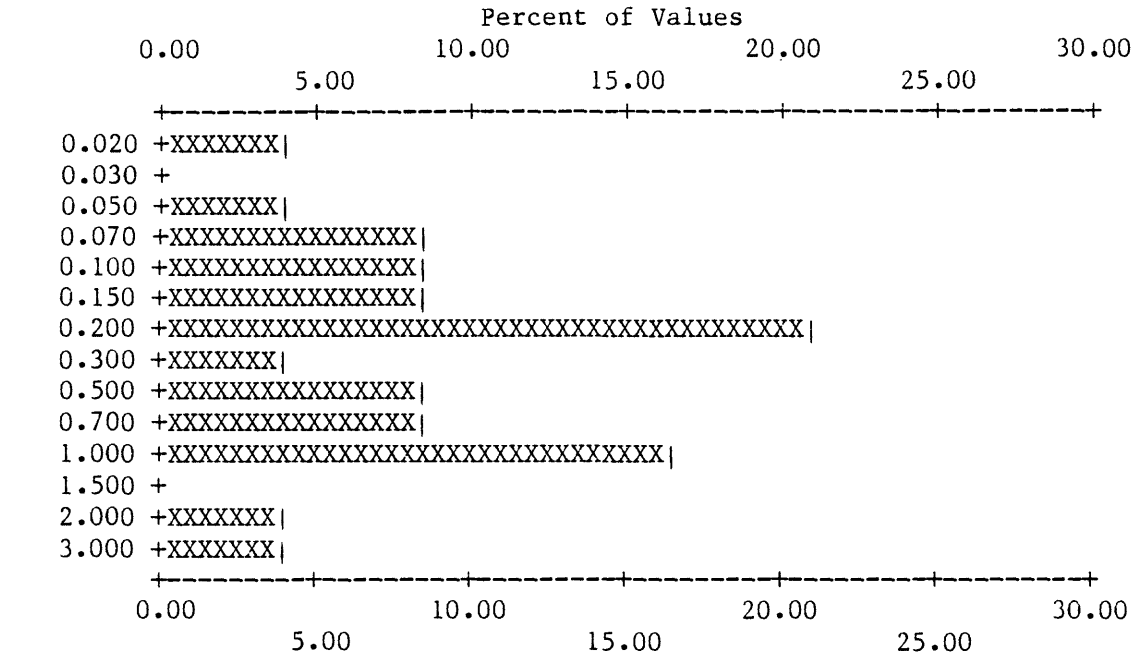
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-MG%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.020	1	4.17	1	4.2	95.8	1	4.2	95.8
2	0.050	1	4.17	2	8.3	91.7	2	8.3	91.7
3	0.070	2	8.33	4	16.7	83.3	4	16.7	83.3
4	0.100	2	8.33	6	25.0	75.0	6	25.0	75.0
5	0.150	2	8.33	8	33.3	66.7	8	33.3	66.7
6	0.200	5	20.83	13	54.2	45.8	13	54.2	45.8
7	0.300	1	4.17	14	58.3	41.7	14	58.3	41.7
8	0.500	2	8.33	16	66.7	33.3	16	66.7	33.3
9	0.700	2	8.33	18	75.0	25.0	18	75.0	25.0
10	1.000	4	16.67	22	91.7	8.3	22	91.7	8.3
11	2.000	1	4.17	23	95.8	4.2	23	95.8	4.2
12	3.000	1	4.17	24	100.0	0.0	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	24	24	24	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.020	3.00	0.559	0.70	0.284	3.47	24



Each increment (each X or | plotted) = 0.500 %

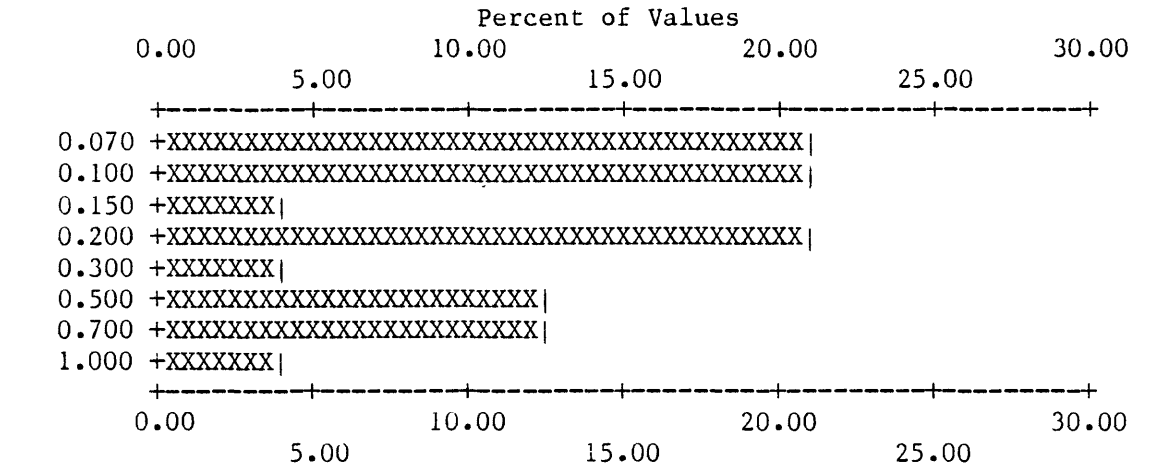
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-TI%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.070	5	20.83	5	20.8	79.2	5	20.8	79.2
2	0.100	5	20.83	10	41.7	58.3	10	41.7	58.3
3	0.150	1	4.17	11	45.8	54.2	11	45.8	54.2
4	0.200	5	20.83	16	66.7	33.3	16	66.7	33.3
5	0.300	1	4.17	17	70.8	29.2	17	70.8	29.2
6	0.500	3	12.50	20	83.3	16.7	20	83.3	16.7
7	0.700	3	12.50	23	95.8	4.2	23	95.8	4.2
8	1.000	1	4.17	24	100.0	0.0	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	24	24	24	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.070	1.00	0.288	0.27	0.196	2.42	24



Each increment (each X or | plotted) = 0.500 %

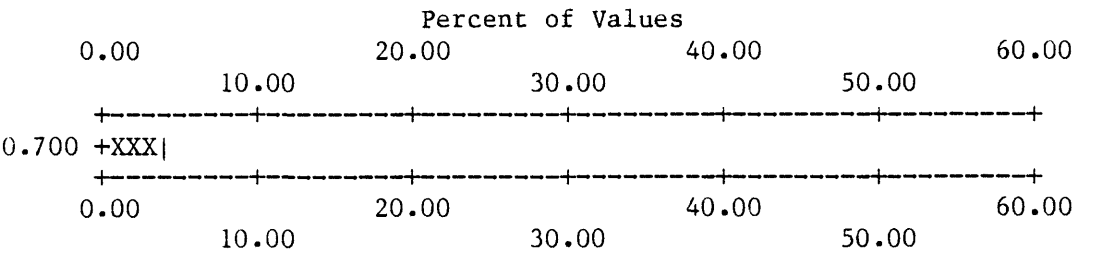
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-AG

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %	
1	0.700	1	4.17	1	4.2	95.8	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	22	1	0	0	1	24	24	VALUES
0.0	0.0	0.0	91.7	4.2	0.0	0.0	4.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.700	0.70	0.700	0.00	0.700	********	1



Each increment (each X or | plotted) = 1.000 %

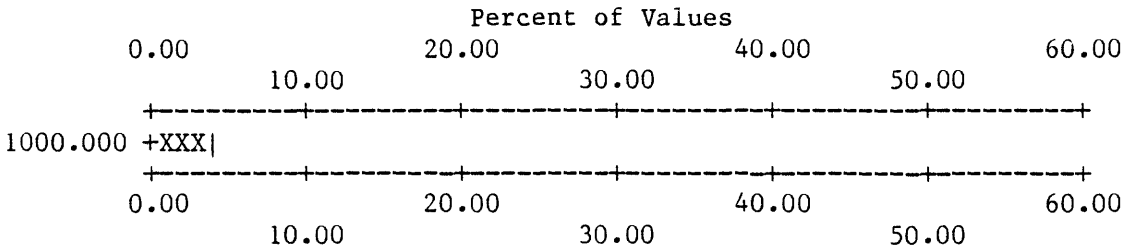
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-AS

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %	
1	1000.000	1	4.17	1	4.2	95.8	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	23	0	0	0	1	24	24	VALUES
0.0	0.0	0.0	95.8	0.0	0.0	0.0	4.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
1000.000	1000.00	1000.000	0.00	1000.000	********	1



Each increment (each X or | plotted) = 1.000 %

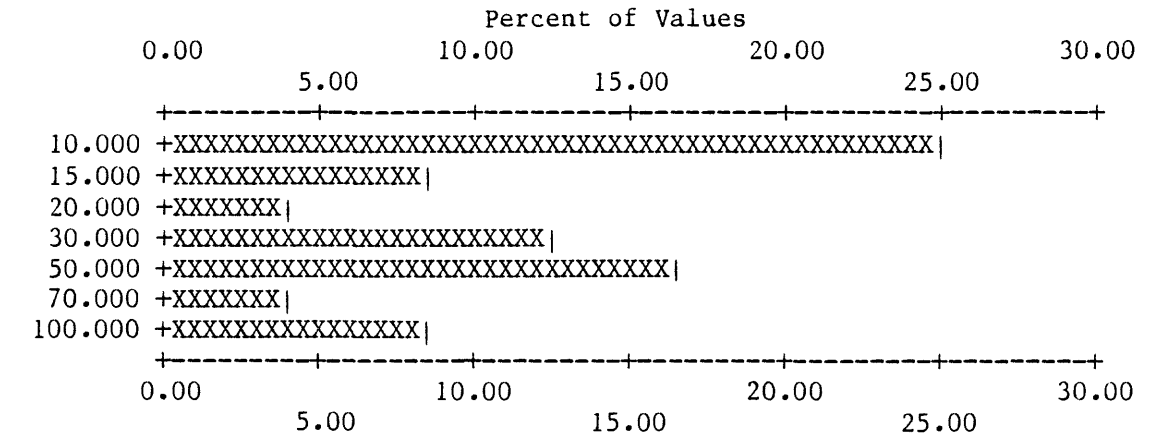
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-B

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	6	25.00	6	25.0	75.0	11	45.8	54.2
2	15.000	2	8.33	8	33.3	66.7	13	54.2	45.8
3	20.000	1	4.17	9	37.5	62.5	14	58.3	41.7
4	30.000	3	12.50	12	50.0	50.0	17	70.8	29.2
5	50.000	4	16.67	16	66.7	33.3	21	87.5	12.5
6	70.000	1	4.17	17	70.8	29.2	22	91.7	8.3
7	100.000	2	8.33	19	79.2	20.8	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	5	0	0	19	24	24	VALUES
0.0	0.0	0.0	0.0	20.8	0.0	0.0	79.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	100.00	35.263	29.27	25.504	2.30	19



Each increment (each X or | plotted) = 0.500 %

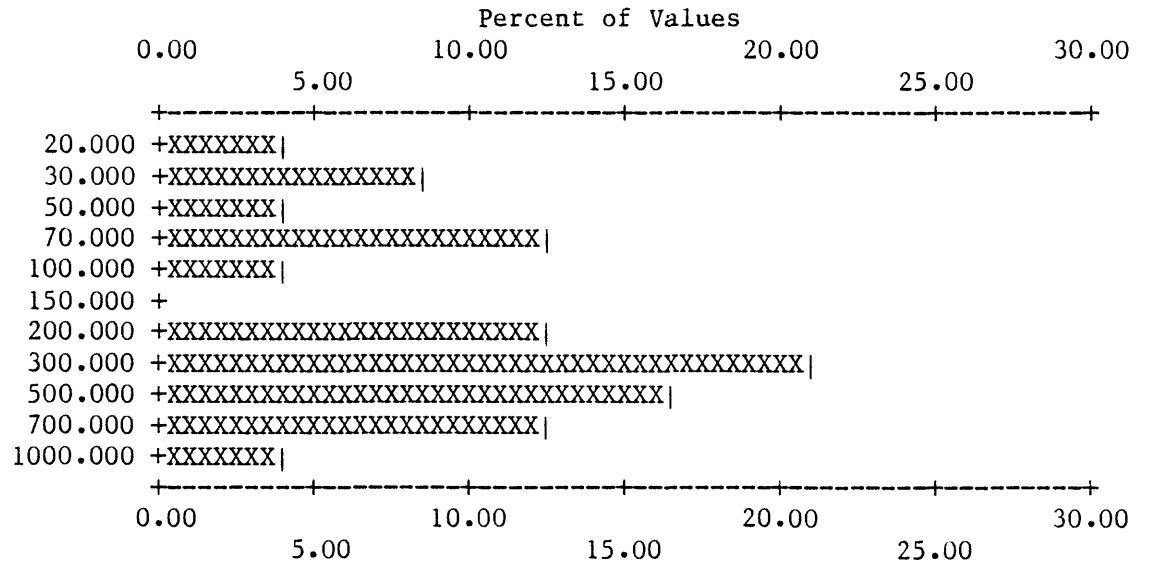
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-BA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	1	4.17	1	4.2	95.8	1	4.2	95.8
2	30.000	2	8.33	3	12.5	87.5	3	12.5	87.5
3	50.000	1	4.17	4	16.7	83.3	4	16.7	83.3
4	70.000	3	12.50	7	29.2	70.8	7	29.2	70.8
5	100.000	1	4.17	8	33.3	66.7	8	33.3	66.7
6	200.000	3	12.50	11	45.8	54.2	11	45.8	54.2
7	300.000	5	20.83	16	66.7	33.3	16	66.7	33.3
8	500.000	4	16.67	20	83.3	16.7	20	83.3	16.7
9	700.000	3	12.50	23	95.8	4.2	23	95.8	4.2
10	1000.000	1	4.17	24	100.0	0.0	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	24	24	24	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	1000.00	318.333	266.81	197.800	3.11	24



Each increment (each X or | plotted) = 0.500 %

Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-BE

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	1.000	5	20.83	5	20.8	79.2	6	25.0	75.0
2	1.500	3	12.50	8	33.3	66.7	9	37.5	62.5
3	2.000	7	29.17	15	62.5	37.5	16	66.7	33.3
4	3.000	4	16.67	19	79.2	20.8	20	83.3	16.7
5	5.000	4	16.67	23	95.8	4.2	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	1	0	0	23	24	24	VALUES
0.0	0.0	0.0	0.0	4.2	0.0	0.0	95.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
1.000	5.00	2.413	1.38	2.085	1.73	23

```
                      Percent of Values
       0.00                10.00               20.00               30.00
                 5.00                15.00               25.00
          +---------+---------+---------+---------+---------+---------+
    1.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
    1.500 +XXXXXXXXXXXXXXXXXXXXXXXX|
    2.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
    3.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
    5.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
          +---------+---------+---------+---------+---------+---------+
       0.00                10.00               20.00               30.00
                 5.00                15.00               25.00

       Each increment (each X or | plotted) =      0.500 %
```

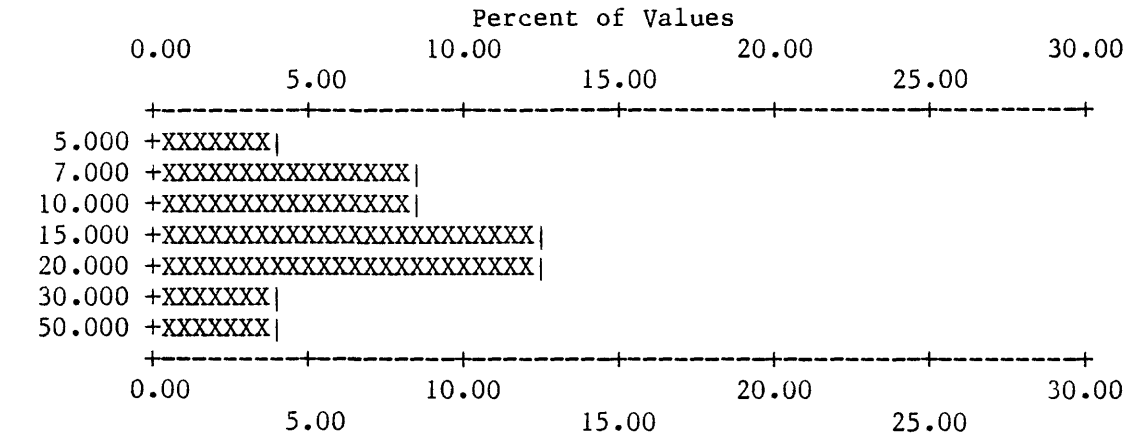
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	1	4.17	1	4.2	95.8	12	50.0	50.0
2	7.000	2	8.33	3	12.5	87.5	14	58.3	41.7
3	10.000	2	8.33	5	20.8	79.2	16	66.7	33.3
4	15.000	3	12.50	8	33.3	66.7	19	79.2	20.8
5	20.000	3	12.50	11	45.8	54.2	22	91.7	8.3
6	30.000	1	4.17	12	50.0	50.0	23	95.8	4.2
7	50.000	1	4.17	13	54.2	45.8	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	10	1	0	0	13	24	24	VALUES
0.0	0.0	0.0	41.7	4.2	0.0	0.0	54.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	50.00	17.231	12.04	14.243	1.89	13



Each increment (each X or | plotted) = 0.500 %

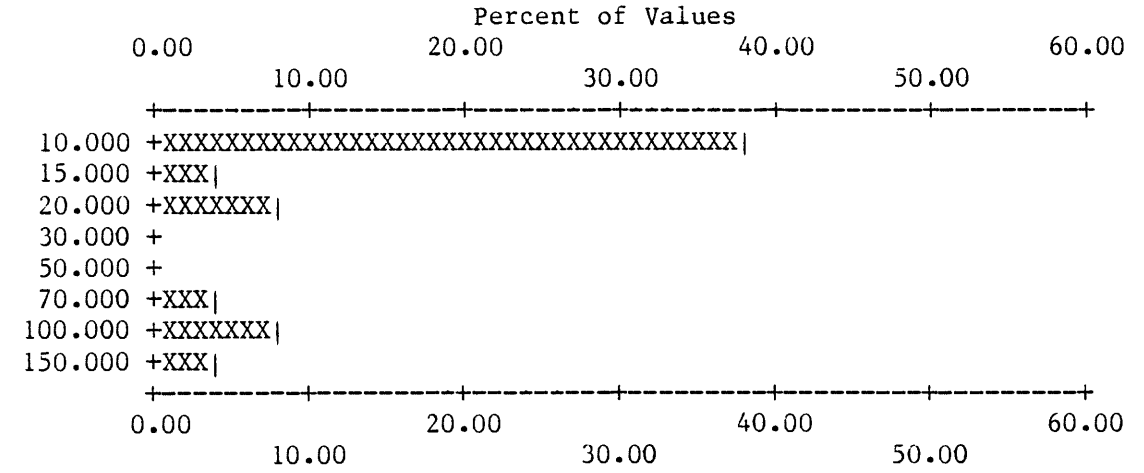
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	9	37.50	9	37.5	62.5	17	70.8	29.2
2	15.000	1	4.17	10	41.7	58.3	18	75.0	25.0
3	20.000	2	8.33	12	50.0	50.0	20	83.3	16.7
4	70.000	1	4.17	13	54.2	45.8	21	87.5	12.5
5	100.000	2	8.33	15	62.5	37.5	23	95.8	4.2
6	150.000	1	4.17	16	66.7	33.3	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	5	3	0	0	16	24	24	VALUES
0.0	0.0	0.0	20.8	12.5	0.0	0.0	66.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	150.00	35.313	44.25	19.951	2.74	16



Each increment (each X or | plotted) = 1.000 %

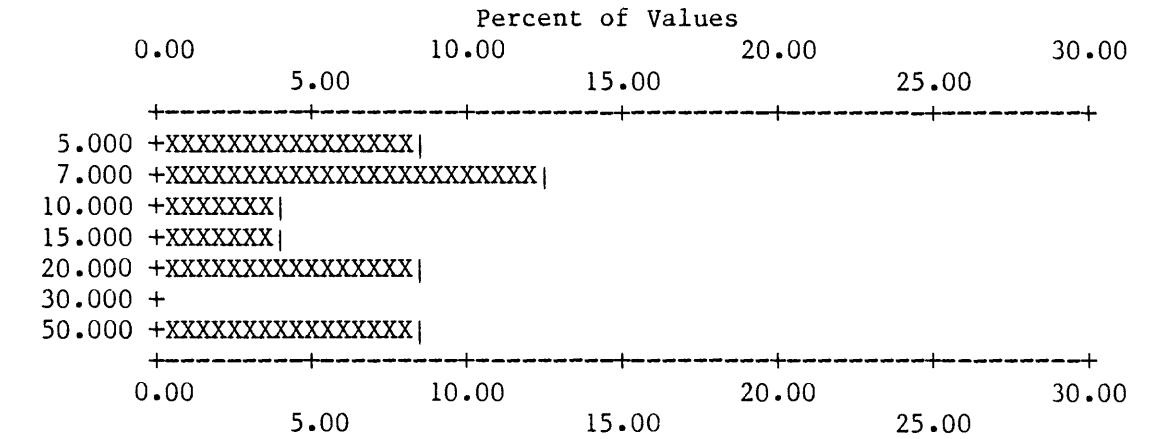
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CU

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	2	8.33	2	8.3	91.7	15	62.5	37.5
2	7.000	3	12.50	5	20.8	79.2	18	75.0	25.0
3	10.000	1	4.17	6	25.0	75.0	19	79.2	20.8
4	15.000	1	4.17	7	29.2	70.8	20	83.3	16.7
5	20.000	2	8.33	9	37.5	62.5	22	91.7	8.3
6	50.000	2	8.33	11	45.8	54.2	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	13	0	0	11	24	24	VALUES
0.0	0.0	0.0	0.0	54.2	0.0	0.0	45.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	50.00	17.818	16.82	12.614	2.32	11



Each increment (each X or | plotted) = 0.500 %

Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-LA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	30.000	1	4.17	1	4.2	95.8	2	8.3	91.7
2	50.000	12	50.00	13	54.2	45.8	14	58.3	41.7
3	70.000	8	33.33	21	87.5	12.5	22	91.7	8.3
4	100.000	2	8.33	23	95.8	4.2	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	1	0	0	23	24	24	VALUES
0.0	0.0	0.0	0.0	4.2	0.0	0.0	95.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
30.000	100.00	60.435	16.65	58.389	1.31	23

```
                          Percent of Values
        0.00                 20.00                40.00                60.00
                  10.00                30.00                50.00
          +---------+---------+---------+---------+---------+---------+
 30.000   +XXX|
 50.000   +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
 70.000   +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
100.000   +XXXXXXX|
          +---------+---------+---------+---------+---------+---------+
        0.00                 20.00                40.00                60.00
                  10.00                30.00                50.00

        Each increment (each X or | plotted) =     1.000 %
```

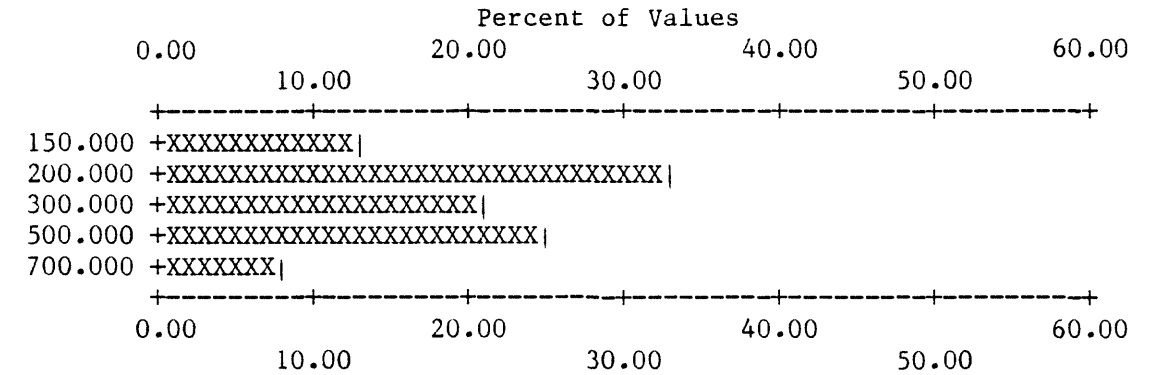
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-MN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	150.000	3	12.50	3	12.5	87.5	3	12.5	87.5
2	200.000	8	33.33	11	45.8	54.2	11	45.8	54.2
3	300.000	5	20.83	16	66.7	33.3	16	66.7	33.3
4	500.000	6	25.00	22	91.7	8.3	22	91.7	8.3
5	700.000	2	8.33	24	100.0	0.0	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	24	24	24	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
150.000	700.00	331.250	172.46	293.037	1.65	24



Each increment (each X or | plotted) = 1.000 %

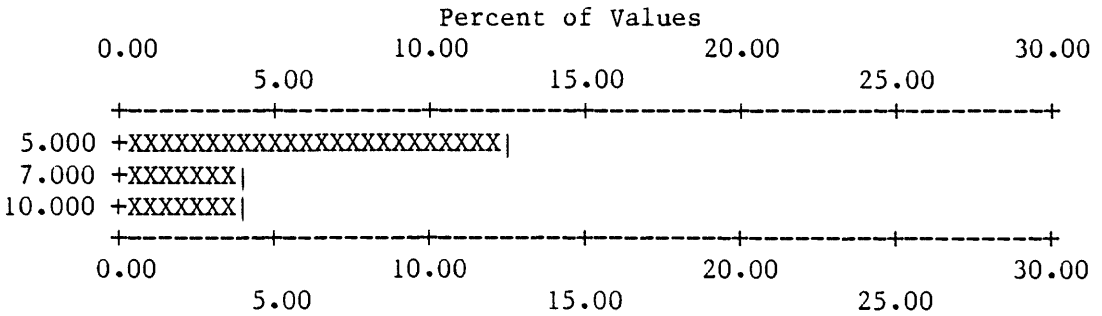
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-MO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	3	12.50	3	12.5	87.5	22	91.7	8.3
2	7.000	1	4.17	4	16.7	83.3	23	95.8	4.2
3	10.000	1	4.17	5	20.8	79.2	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	19	0	0	0	5	24	24	VALUES
0.0	0.0	0.0	79.2	0.0	0.0	0.0	20.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	10.00	6.400	2.19	6.143	1.36	5



Each increment (each X or | plotted) = 0.500 %

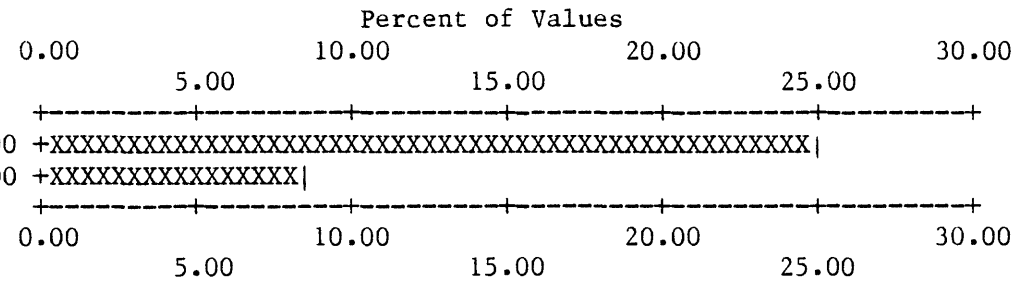
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-NB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	6	25.00	6	25.0	75.0	22	91.7	8.3
2	30.000	2	8.33	8	33.3	66.7	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	9	7	0	0	8	24	24	VALUES
0.0	0.0	0.0	37.5	29.2	0.0	0.0	33.3			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	30.00	22.500	4.63	22.134	1.21	8



Each increment (each X or | plotted) = 0.500 %

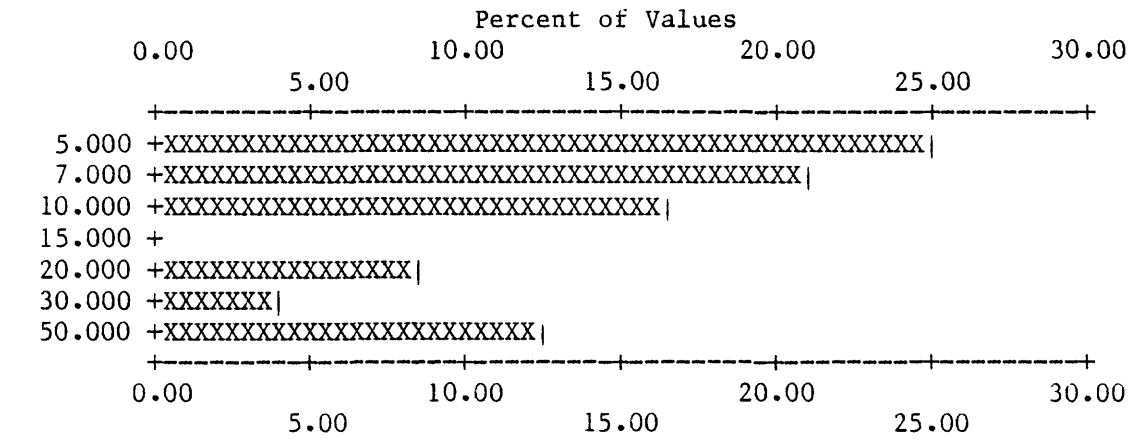
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-NI

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	6	25.00	6	25.0	75.0	9	37.5	62.5
2	7.000	5	20.83	11	45.8	54.2	14	58.3	41.7
3	10.000	4	16.67	15	62.5	37.5	18	75.0	25.0
4	20.000	2	8.33	17	70.8	29.2	20	83.3	16.7
5	30.000	1	4.17	18	75.0	25.0	21	87.5	12.5
6	50.000	3	12.50	21	87.5	12.5	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	3	0	0	21	24	24	VALUES
0.0	0.0	0.0	0.0	12.5	0.0	0.0	87.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	50.00	15.476	15.76	10.675	2.26	21



Each increment (each X or | plotted) = 0.500 %

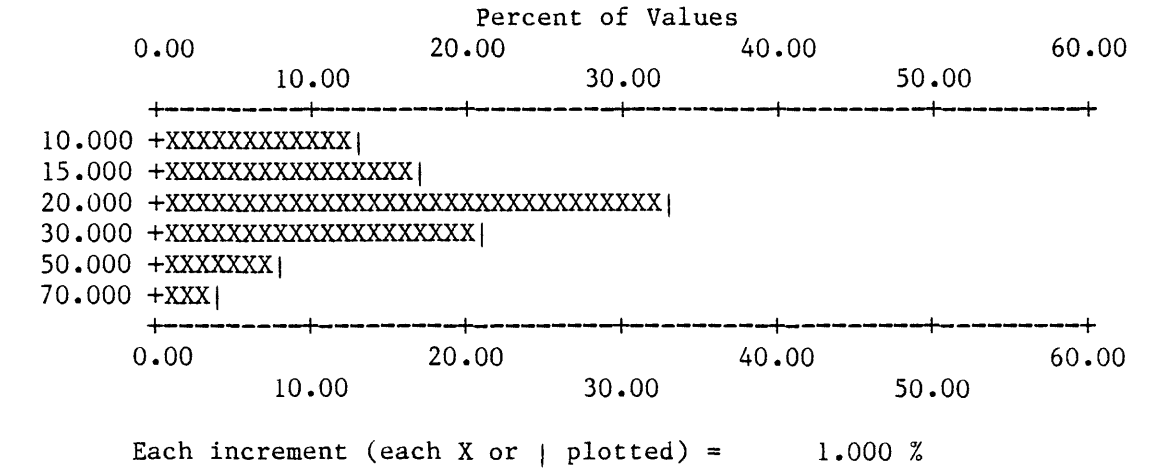
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-PB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	3	12.50	3	12.5	87.5	4	16.7	83.3
2	15.000	4	16.67	7	29.2	70.8	8	33.3	66.7
3	20.000	8	33.33	15	62.5	37.5	16	66.7	33.3
4	30.000	5	20.83	20	83.3	16.7	21	87.5	12.5
5	50.000	2	8.33	22	91.7	8.3	23	95.8	4.2
6	70.000	1	4.17	23	95.8	4.2	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	1	0	0	0	23	24	24	VALUES
0.0	0.0	0.0	4.2	0.0	0.0	0.0	95.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	70.00	24.783	14.58	21.706	1.66	23



Each increment (each X or | plotted) = 1.000 %

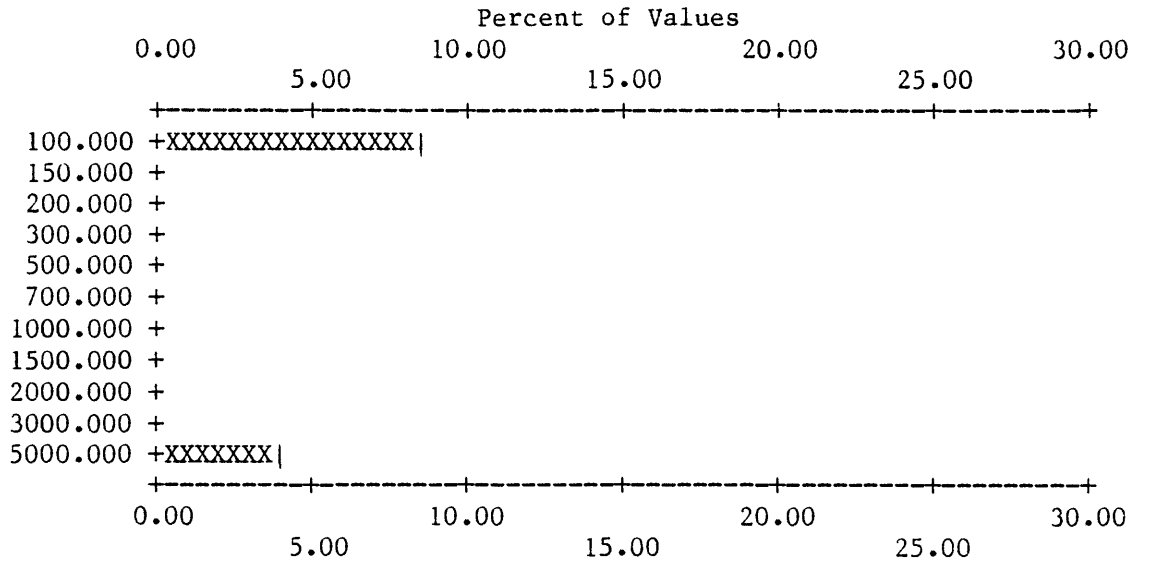
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	2	8.33	2	8.3	91.7	23	95.8	4.2
2	5000.000	1	4.17	3	12.5	87.5	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	21	0	0	0	3	24	24	VALUES
0.0	0.0	0.0	87.5	0.0	0.0	0.0	12.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	5000.00	1733.333	2829.02	368.403	9.57	3



Each increment (each X or | plotted) = 0.500 %

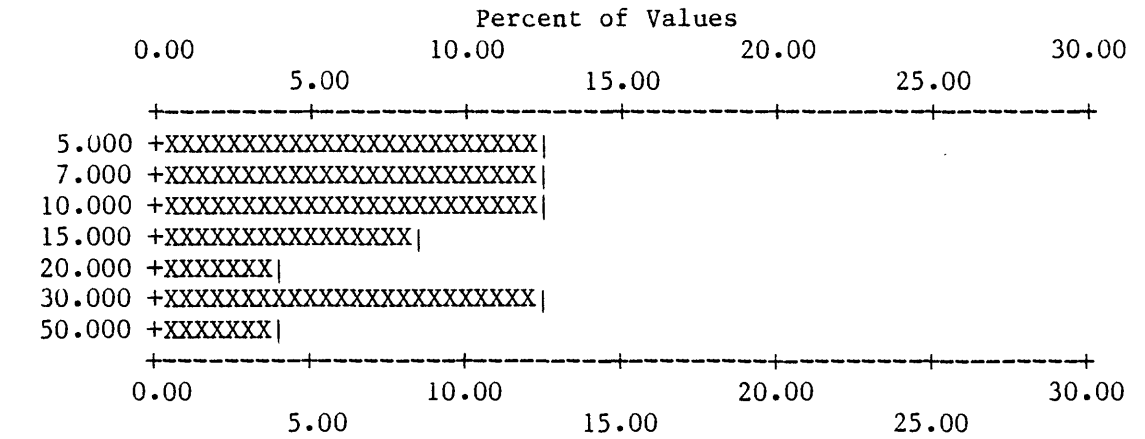
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SC

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	3	12.50	3	12.5	87.5	11	45.8	54.2
2	7.000	3	12.50	6	25.0	75.0	14	58.3	41.7
3	10.000	3	12.50	9	37.5	62.5	17	70.8	29.2
4	15.000	2	8.33	11	45.8	54.2	19	79.2	20.8
5	20.000	1	4.17	12	50.0	50.0	20	83.3	16.7
6	30.000	3	12.50	15	62.5	37.5	23	95.8	4.2
7	50.000	1	4.17	16	66.7	33.3	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	6	2	0	0	16	24	24	VALUES
0.0	0.0	0.0	25.0	8.3	0.0	0.0	66.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	50.00	16.000	12.85	12.260	2.09	16



Each increment (each X or | plotted) = 0.500 %

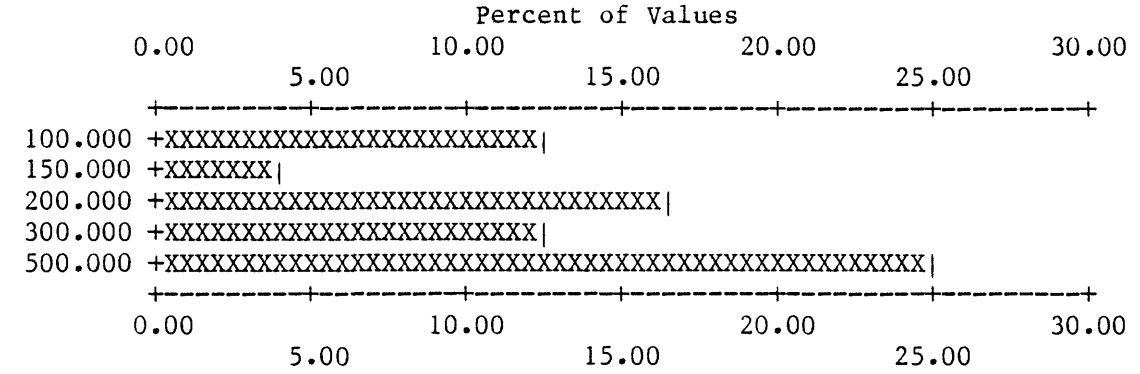
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	3	12.50	3	12.5	87.5	10	41.7	58.3
2	150.000	1	4.17	4	16.7	83.3	11	45.8	54.2
3	200.000	4	16.67	8	33.3	66.7	15	62.5	37.5
4	300.000	3	12.50	11	45.8	54.2	18	75.0	25.0
5	500.000	6	25.00	17	70.8	29.2	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	4	3	0	0	17	24	24	VALUES
0.0	0.0	0.0	16.7	12.5	0.0	0.0	70.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	500.00	302.941	162.47	258.275	1.84	17



Each increment (each X or | plotted) = 0.500 %

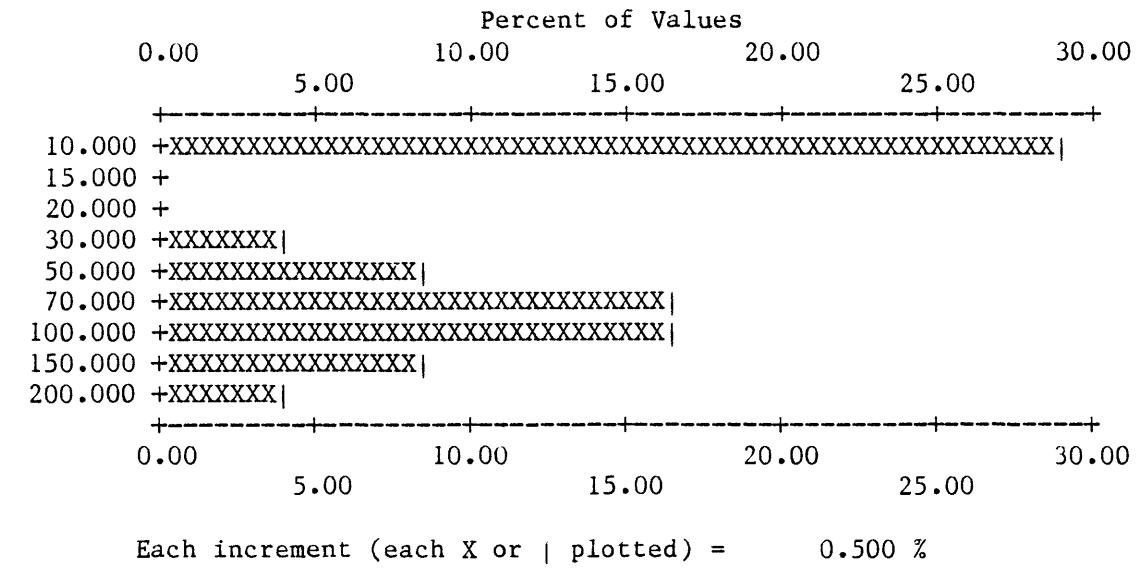
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-V

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	7	29.17	7	29.2	70.8	10	41.7	58.3
2	30.000	1	4.17	8	33.3	66.7	11	45.8	54.2
3	50.000	2	8.33	10	41.7	58.3	13	54.2	45.8
4	70.000	4	16.67	14	58.3	41.7	17	70.8	29.2
5	100.000	4	16.67	18	75.0	25.0	21	87.5	12.5
6	150.000	2	8.33	20	83.3	16.7	23	95.8	4.2
7	200.000	1	4.17	21	87.5	12.5	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	3	0	0	21	24	24	VALUES
0.0	0.0	0.0	0.0	12.5	0.0	0.0	87.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	200.00	65.714	55.01	41.181	3.01	21



Each increment (each X or | plotted) = 0.500 %

Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-W

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %	
1	50.000	1	4.17	1	4.2	95.8	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	23	0	0	0	1	24	24	VALUES
0.0	0.0	0.0	95.8	0.0	0.0	0.0	4.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
50.000	50.00	50.000	0.00	50.000	********	1

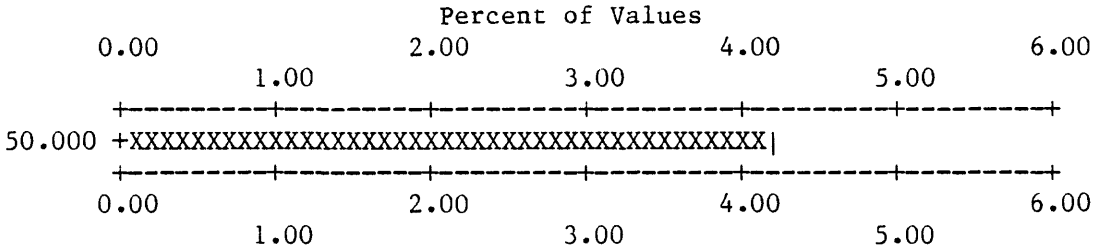


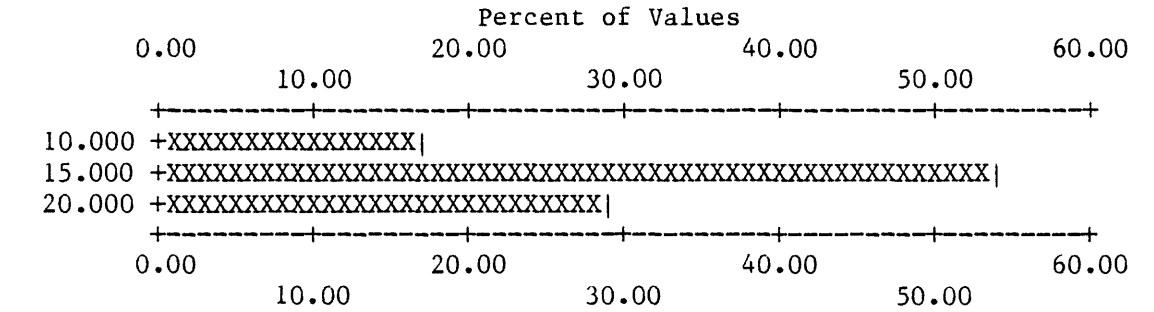
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-Y

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	4	16.67	4	16.7	83.3	4	16.7	83.3
2	15.000	13	54.17	17	70.8	29.2	17	70.8	29.2
3	20.000	7	29.17	24	100.0	0.0	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	24	24	24	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	20.00	15.625	3.40	15.247	1.26	24



Each increment (each X or | plotted) = 1.000 %

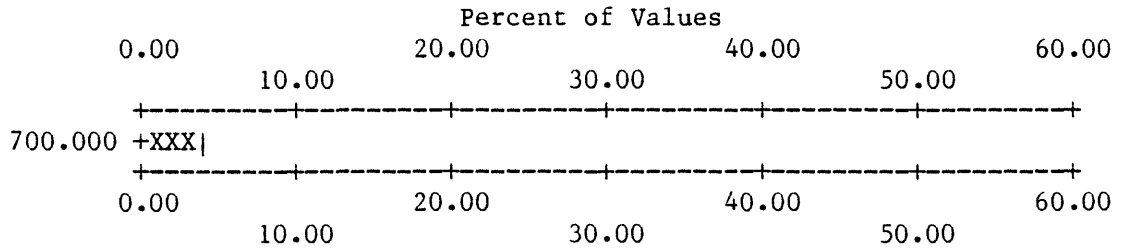
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-ZN

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %	
1	700.000	1	4.17	1	4.2	95.8	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	23	0	0	0	1	24	24	VALUES
0.0	0.0	0.0	95.8	0.0	0.0	0.0	4.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
700.000	700.00	700.000	0.00	700.000	********	1



Each increment (each X or | plotted) = 1.000 %

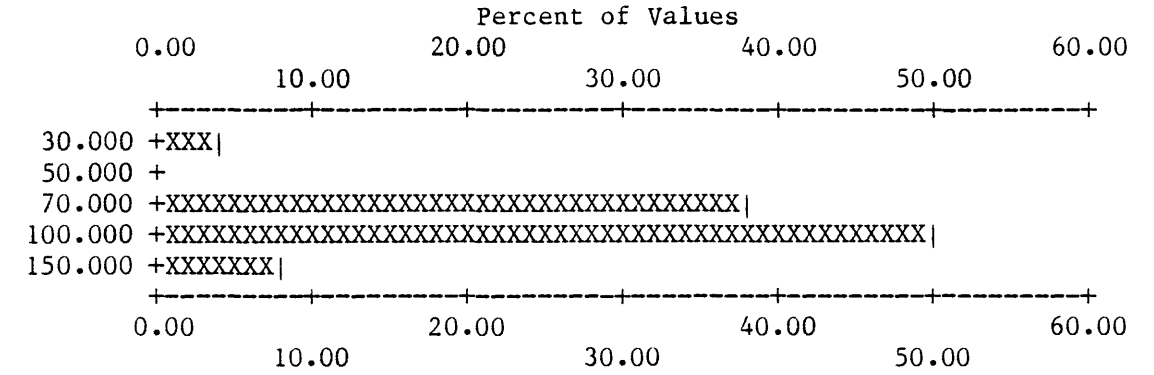
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-ZR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	30.000	1	4.17	1	4.2	95.8	1	4.2	95.8
2	70.000	9	37.50	10	41.7	58.3	10	41.7	58.3
3	100.000	12	50.00	22	91.7	8.3	22	91.7	8.3
4	150.000	2	8.33	24	100.0	0.0	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	24	24	24	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
30.000	150.00	90.000	26.04	86.060	1.38	24



Each increment (each X or | plotted) = 1.000 %

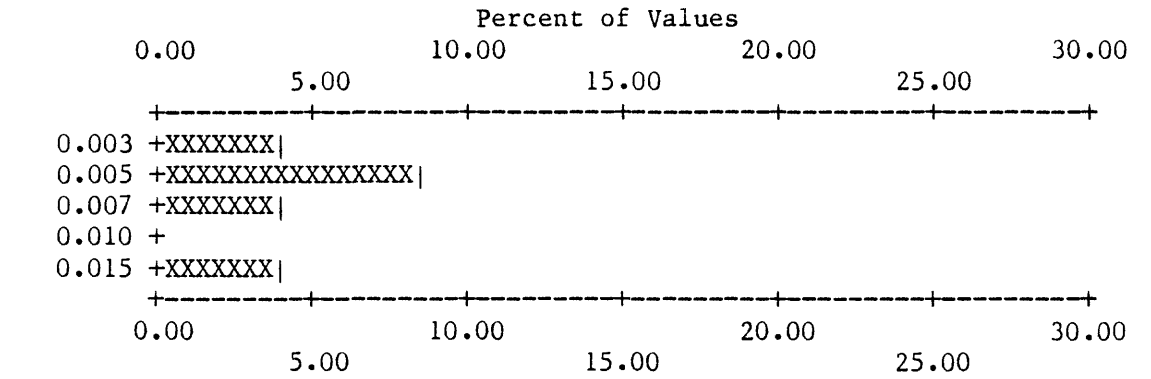
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

AA-AU

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.003	1	4.17	1	4.2	95.8	20	83.3	16.7
2	0.005	2	8.33	3	12.5	87.5	22	91.7	8.3
3	0.007	1	4.17	4	16.7	83.3	23	95.8	4.2
4	0.015	1	4.17	5	20.8	79.2	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	19	0	0	0	5	24	24	VALUES
0.0	0.0	0.0	79.2	0.0	0.0	0.0	20.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.003	0.02	0.007	0.00	0.006	1.81	5



Each increment (each X or | plotted) = 0.500 %

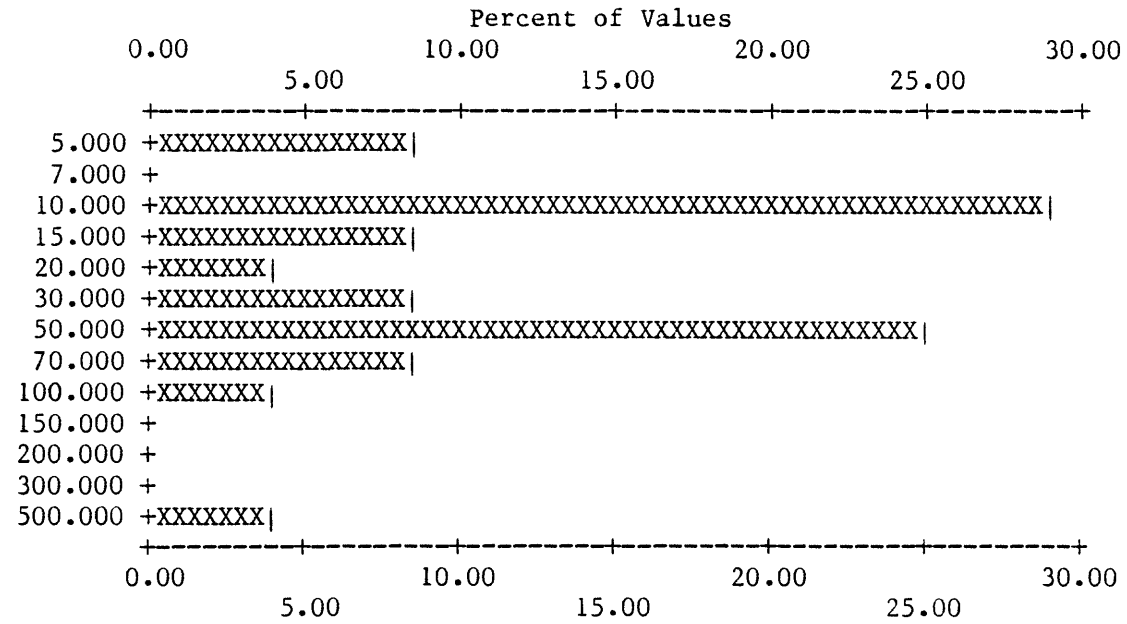
Table 10. Frequency tables and histograms for rock samples from the Sugarloaf Roadless Area, Nevada - (continued)

AA-ZN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	2	8.33	2	8.3	91.7	2	8.3	91.7
2	10.000	7	29.17	9	37.5	62.5	9	37.5	62.5
3	15.000	2	8.33	11	45.8	54.2	11	45.8	54.2
4	20.000	1	4.17	12	50.0	50.0	12	50.0	50.0
5	30.000	2	8.33	14	58.3	41.7	14	58.3	41.7
6	50.000	6	25.00	20	83.3	16.7	20	83.3	16.7
7	70.000	2	8.33	22	91.7	8.3	22	91.7	8.3
8	100.000	1	4.17	23	95.8	4.2	23	95.8	4.2
9	500.000	1	4.17	24	100.0	0.0	24	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	24	24	24	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	500.00	51.250	98.94	25.091	2.99	24



Each increment (each X or | plotted) = 0.500 %

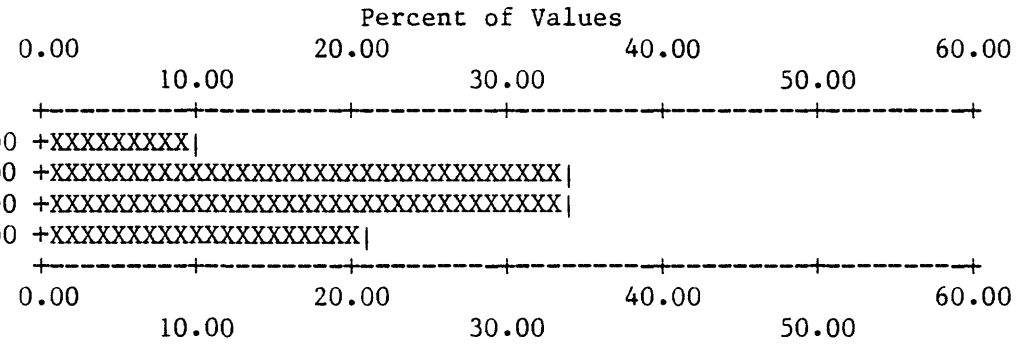
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada

S-CA%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.300	3	10.34	3	10.3	89.7	3	10.3	89.7
2	0.500	10	34.48	13	44.8	55.2	13	44.8	55.2
3	0.700	10	34.48	23	79.3	20.7	23	79.3	20.7
4	1.000	6	20.69	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.300	1.00	0.652	0.22	0.615	1.43	29



Each increment (each X or | plotted) = 1.000 %

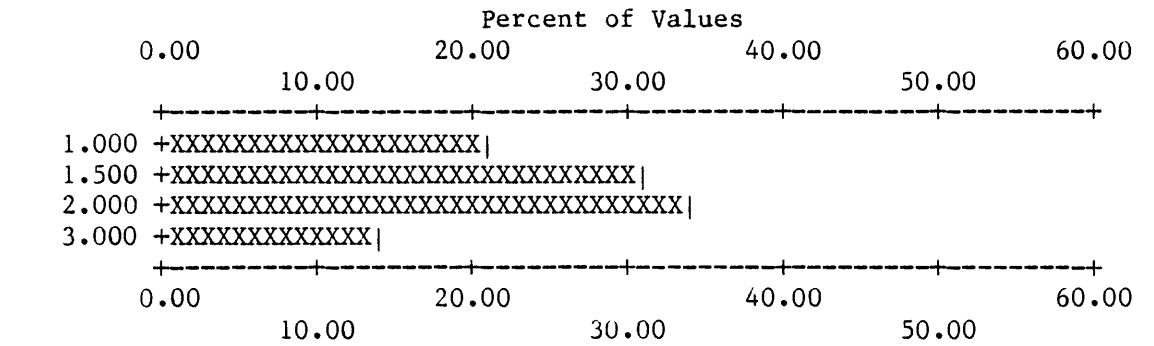
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-FE%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	1.000	6	20.69	6	20.7	79.3	6	20.7	79.3
2	1.500	9	31.03	15	51.7	48.3	15	51.7	48.3
3	2.000	10	34.48	25	86.2	13.8	25	86.2	13.8
4	3.000	4	13.79	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
1.000	3.00	1.776	0.62	1.676	1.42	29



Each increment (each X or | plotted) = 1.000 %

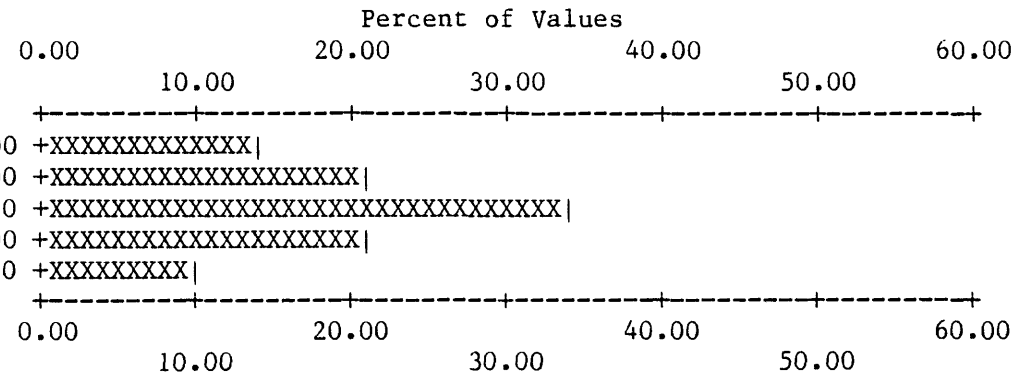
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-MG%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.200	4	13.79	4	13.8	86.2	4	13.8	86.2
2	0.300	6	20.69	10	34.5	65.5	10	34.5	65.5
3	0.500	10	34.48	20	69.0	31.0	20	69.0	31.0
4	0.700	6	20.69	26	89.7	10.3	26	89.7	10.3
5	1.000	3	10.34	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.200	1.00	0.510	0.24	0.457	1.64	29



Each increment (each X or | plotted) = 1.000 %

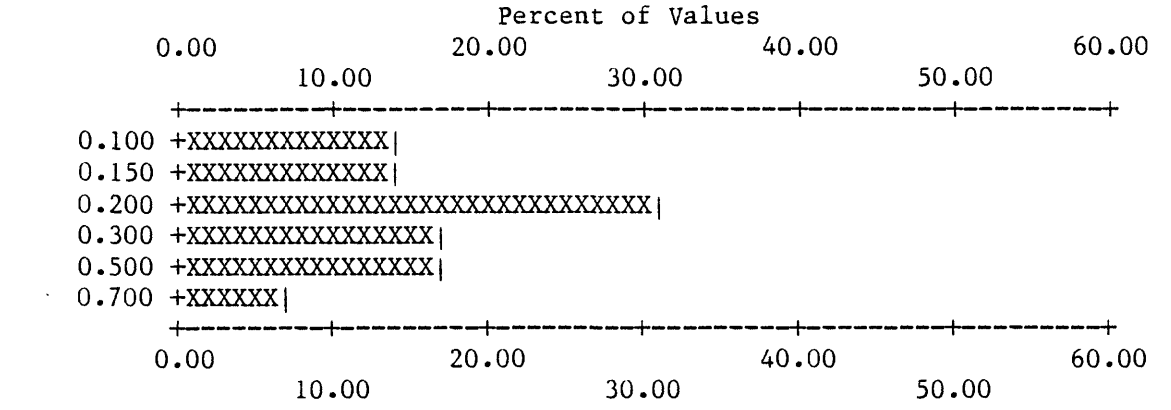
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-TI%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.100	4	13.79	4	13.8	86.2	4	13.8	86.2
2	0.150	4	13.79	8	27.6	72.4	8	27.6	72.4
3	0.200	9	31.03	17	58.6	41.4	17	58.6	41.4
4	0.300	5	17.24	22	75.9	24.1	22	75.9	24.1
5	0.500	5	17.24	27	93.1	6.9	27	93.1	6.9
6	0.700	2	6.90	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.100	0.70	0.283	0.17	0.239	1.79	29



Each increment (each X or | plotted) = 1.000 %

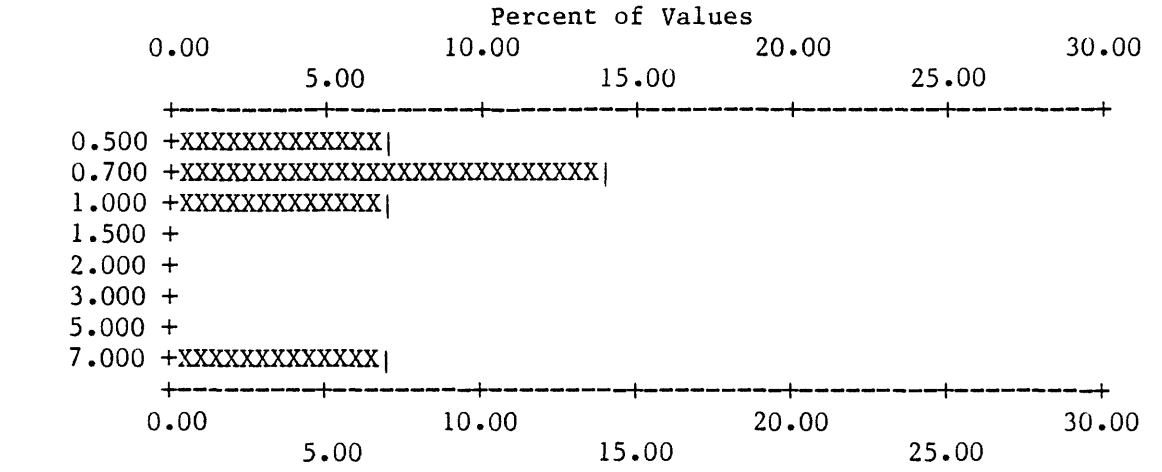
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-AG

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.500	2	6.90	2	6.9	93.1	21	72.4	27.6
2	0.700	4	13.79	6	20.7	79.3	25	86.2	13.8
3	1.000	2	6.90	8	27.6	72.4	27	93.1	6.9
4	7.000	2	6.90	10	34.5	65.5	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	15	4	0	0	10	29	29	VALUES
0.0	0.0	0.0	51.7	13.8	0.0	0.0	34.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.500	7.00	1.980	2.65	1.114	2.71	10



Each increment (each X or | plotted) = 0.500 %

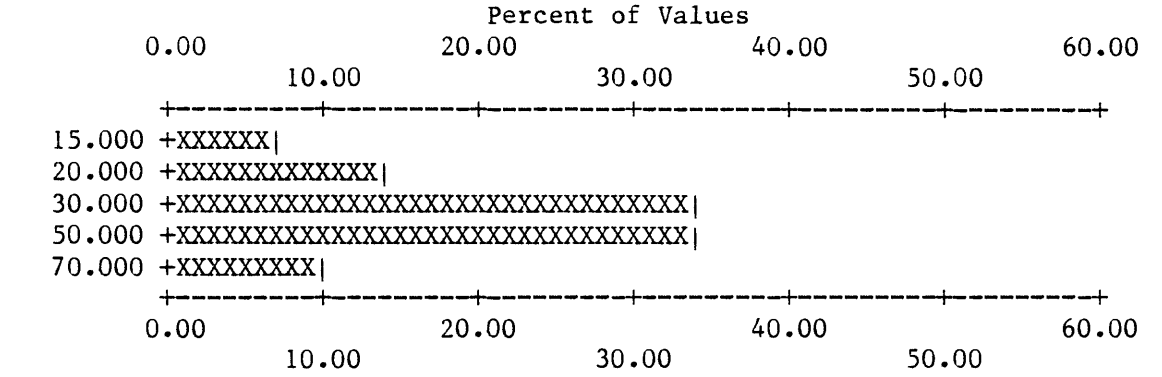
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-B

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	15.000	2	6.90	2	6.9	93.1	2	6.9	93.1
2	20.000	4	13.79	6	20.7	79.3	6	20.7	79.3
3	30.000	10	34.48	16	55.2	44.8	16	55.2	44.8
4	50.000	10	34.48	26	89.7	10.3	26	89.7	10.3
5	70.000	3	10.34	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
15.000	70.00	38.621	16.36	35.208	1.57	29



Each increment (each X or | plotted) = 1.000 %

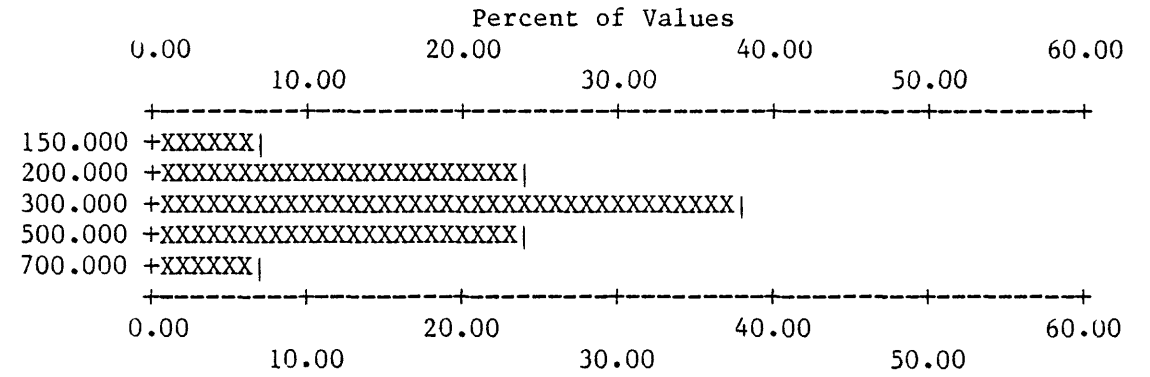
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-BA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	150.000	2	6.90	2	6.9	93.1	2	6.9	93.1
2	200.000	7	24.14	9	31.0	69.0	9	31.0	69.0
3	300.000	11	37.93	20	69.0	31.0	20	69.0	31.0
4	500.000	7	24.14	27	93.1	6.9	27	93.1	6.9
5	700.000	2	6.90	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
150.000	700.00	341.379	154.15	311.016	1.55	29



Each increment (each X or | plotted) = 1.000 %

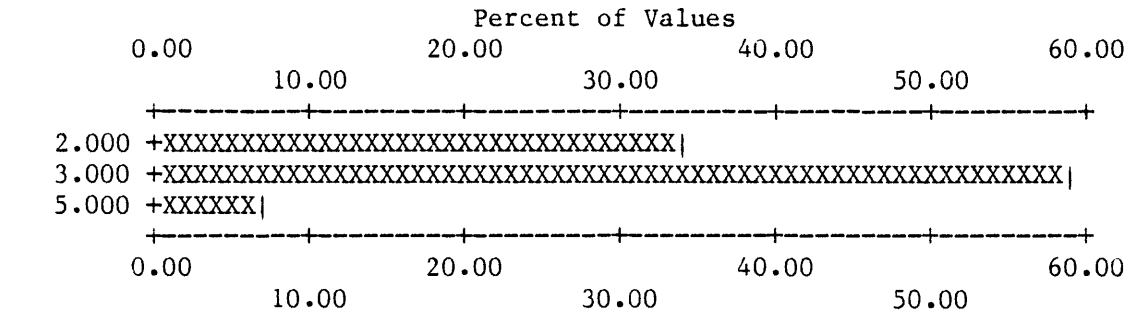
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-BE

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	2.000	10	34.48	10	34.5	65.5	10	34.5	65.5
2	3.000	17	58.62	27	93.1	6.9	27	93.1	6.9
3	5.000	2	6.90	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
2.000	5.00	2.793	0.77	2.702	1.29	29



Each increment (each X or | plotted) = 1.000 %

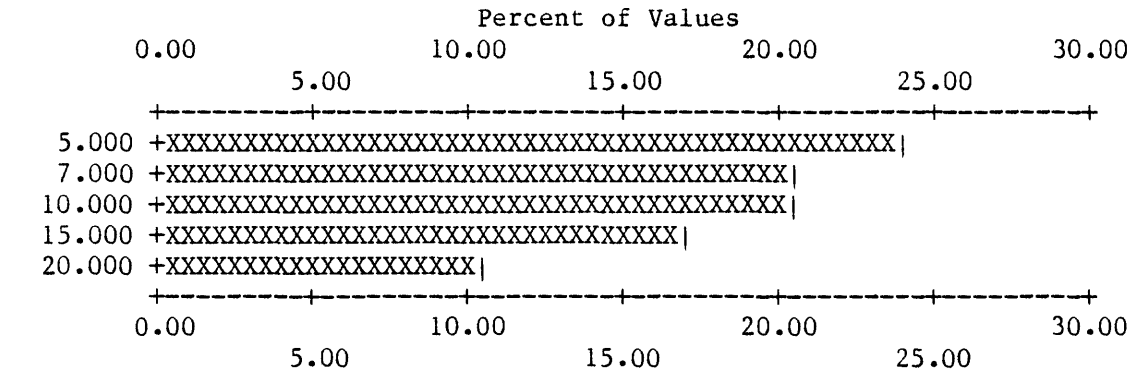
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	7	24.14	7	24.1	75.9	9	31.0	69.0
2	7.000	6	20.69	13	44.8	55.2	15	51.7	48.3
3	10.000	6	20.69	19	65.5	34.5	21	72.4	27.6
4	15.000	5	17.24	24	82.8	17.2	26	89.7	10.3
5	20.000	3	10.34	27	93.1	6.9	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	1	1	0	0	27	29	29	VALUES
0.0	0.0	0.0	3.4	3.4	0.0	0.0	93.1			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	20.00	10.074	5.01	8.986	1.62	27



Each increment (each X or | plotted) = 0.500 %

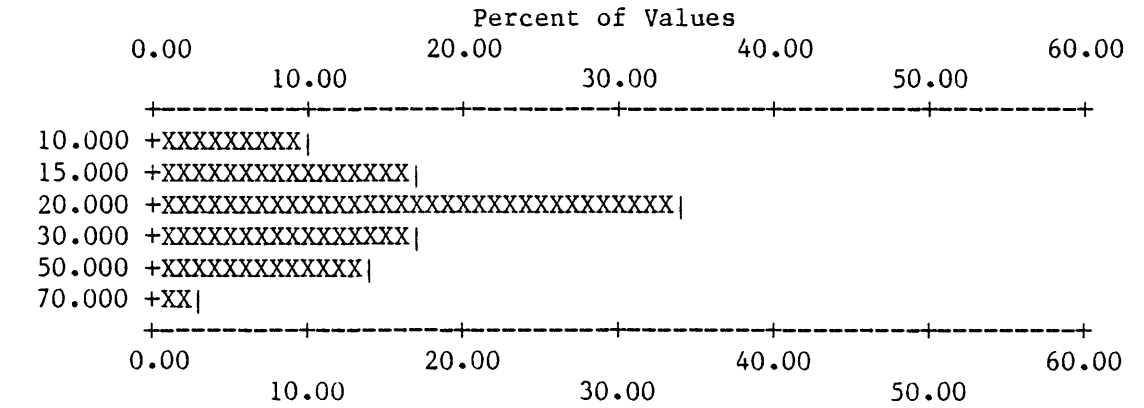
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	3	10.34	3	10.3	89.7	4	13.8	86.2
2	15.000	5	17.24	8	27.6	72.4	9	31.0	69.0
3	20.000	10	34.48	18	62.1	37.9	19	65.5	34.5
4	30.000	5	17.24	23	79.3	20.7	24	82.8	17.2
5	50.000	4	13.79	27	93.1	6.9	28	96.6	3.4
6	70.000	1	3.45	28	96.6	3.4	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	1	0	0	28	29	29	VALUES
0.0	0.0	0.0	0.0	3.4	0.0	0.0	96.6			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	70.00	25.893	14.97	22.604	1.68	28



Each increment (each X or | plotted) = 1.000 %

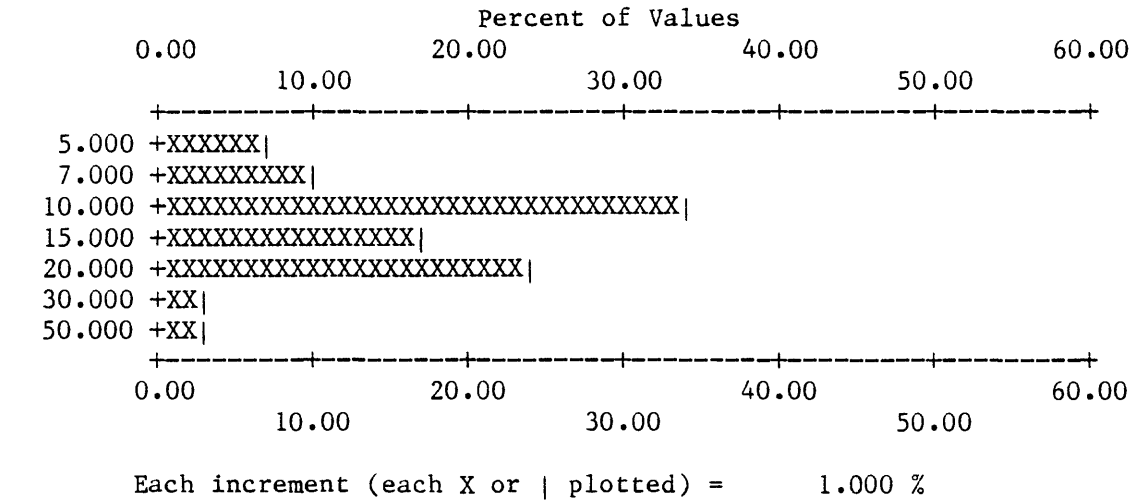
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CU

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	2	6.90	2	6.9	93.1	2	6.9	93.1
2	7.000	3	10.34	5	17.2	82.8	5	17.2	82.8
3	10.000	10	34.48	15	51.7	48.3	15	51.7	48.3
4	15.000	5	17.24	20	69.0	31.0	20	69.0	31.0
5	20.000	7	24.14	27	93.1	6.9	27	93.1	6.9
6	30.000	1	3.45	28	96.6	3.4	28	96.6	3.4
7	50.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	50.00	14.690	8.99	12.788	1.68	29



Each increment (each X or | plotted) = 1.000 %

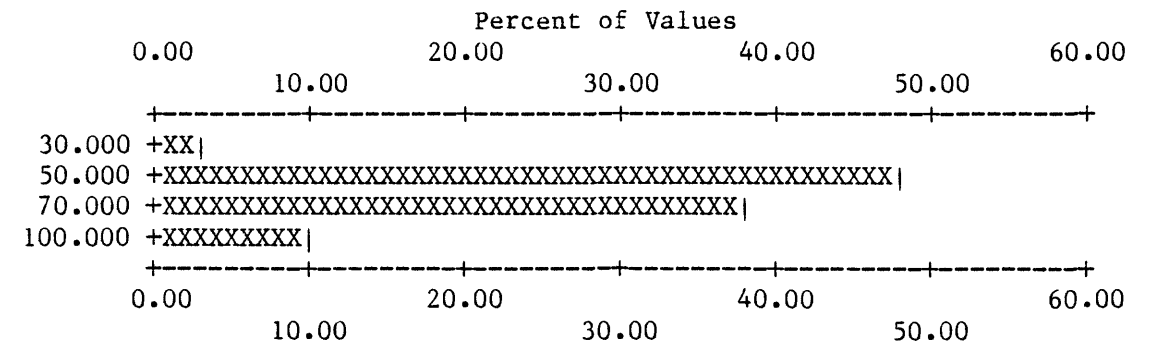
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-LA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	30.000	1	3.45	1	3.4	96.6	1	3.4	96.6
2	50.000	14	48.28	15	51.7	48.3	15	51.7	48.3
3	70.000	11	37.93	26	89.7	10.3	26	89.7	10.3
4	100.000	3	10.34	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
30.000	100.00	62.069	16.98	59.964	1.31	29



Each increment (each X or | plotted) = 1.000 %

Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-MN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	200.000	1	3.45	1	3.4	96.6	1	3.4	96.6
2	300.000	1	3.45	2	6.9	93.1	2	6.9	93.1
3	500.000	12	41.38	14	48.3	51.7	14	48.3	51.7
4	700.000	15	51.72	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	700.00	586.207	135.55	566.476	1.34	29

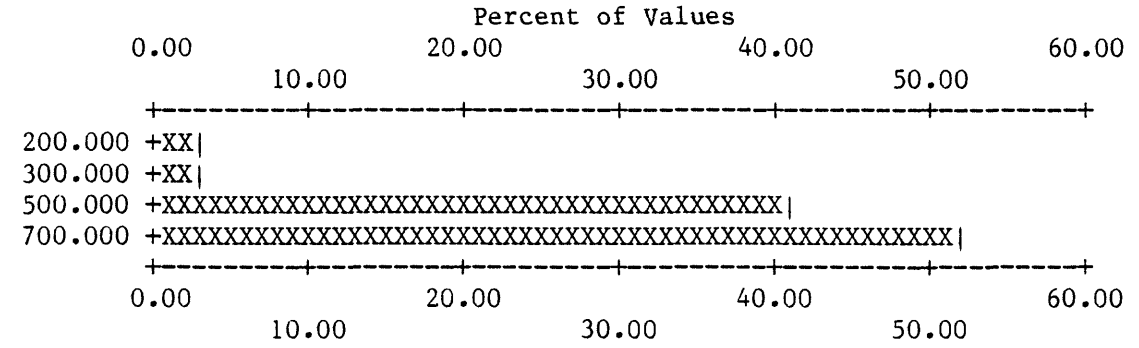


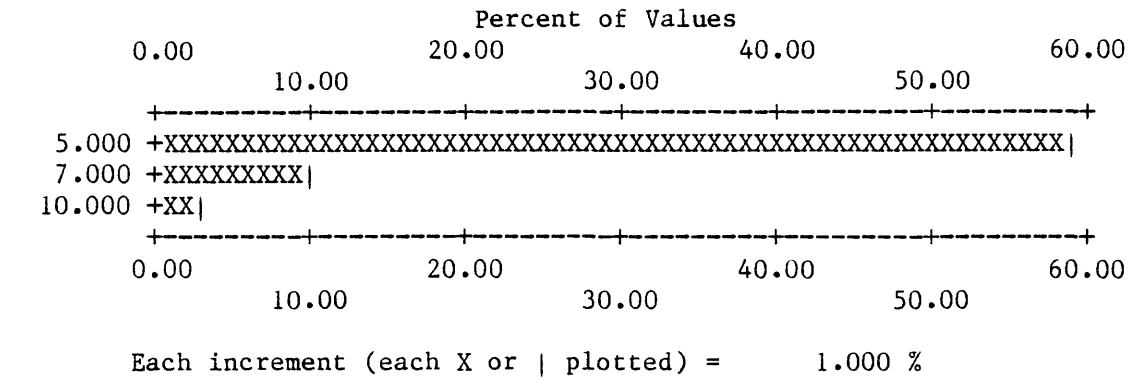
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-MO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	17	58.62	17	58.6	41.4	25	86.2	13.8
2	7.000	3	10.34	20	69.0	31.0	28	96.6	3.4
3	10.000	1	3.45	21	72.4	27.6	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	3	5	0	0	21	29	29	VALUES
0.0	0.0	0.0	10.3	17.2	0.0	0.0	72.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	10.00	5.524	1.25	5.422	1.20	21



Each increment (each X or | plotted) = 1.000 %

Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-NB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	13	44.83	13	44.8	55.2	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	16	0	0	13	29	29	VALUES
0.0	0.0	0.0	0.0	55.2	0.0	0.0	44.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	20.00	20.000	0.00	20.000	1.00	13

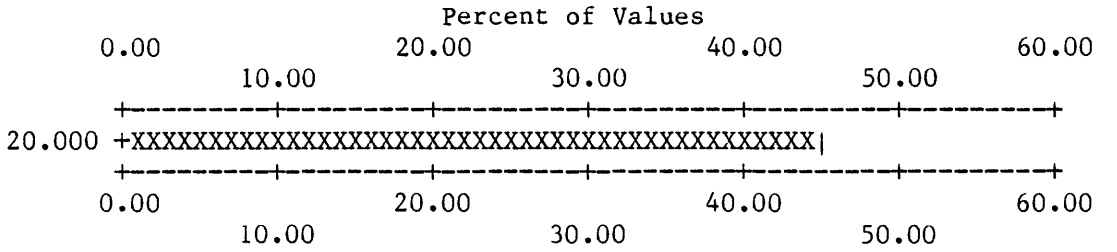


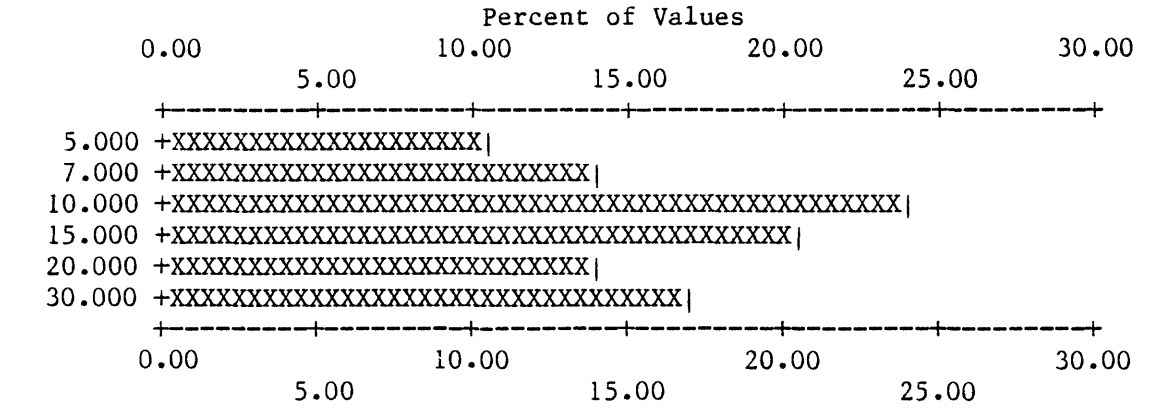
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-NI

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	3	10.34	3	10.3	89.7	3	10.3	89.7
2	7.000	4	13.79	7	24.1	75.9	7	24.1	75.9
3	10.000	7	24.14	14	48.3	51.7	14	48.3	51.7
4	15.000	6	20.69	20	69.0	31.0	20	69.0	31.0
5	20.000	4	13.79	24	82.8	17.2	24	82.8	17.2
6	30.000	5	17.24	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	30.00	14.931	8.36	12.815	1.77	29



Each increment (each X or | plotted) = 0.500 %

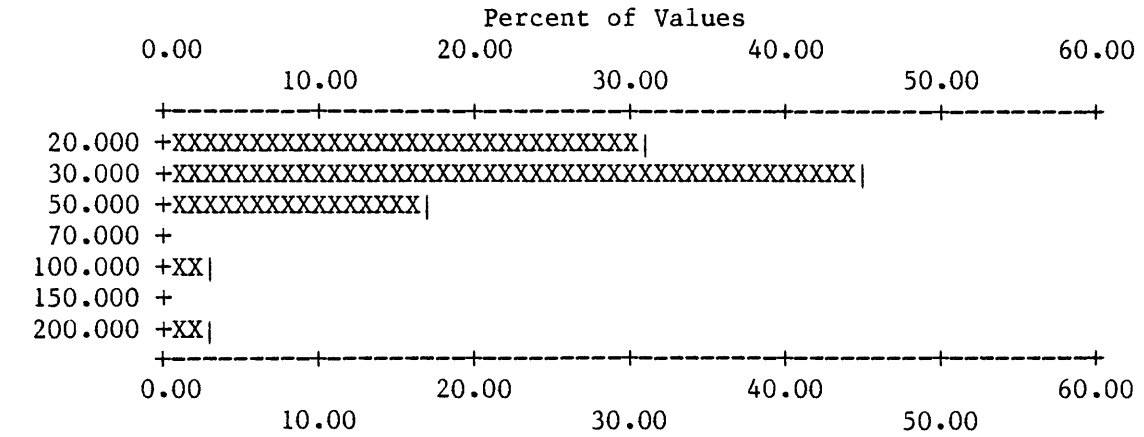
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-PB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	9	31.03	9	31.0	69.0	9	31.0	69.0
2	30.000	13	44.83	22	75.9	24.1	22	75.9	24.1
3	50.000	5	17.24	27	93.1	6.9	27	93.1	6.9
4	100.000	1	3.45	28	96.6	3.4	28	96.6	3.4
5	200.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	200.00	38.621	35.12	32.149	1.69	29



Each increment (each X or | plotted) = 1.000 %

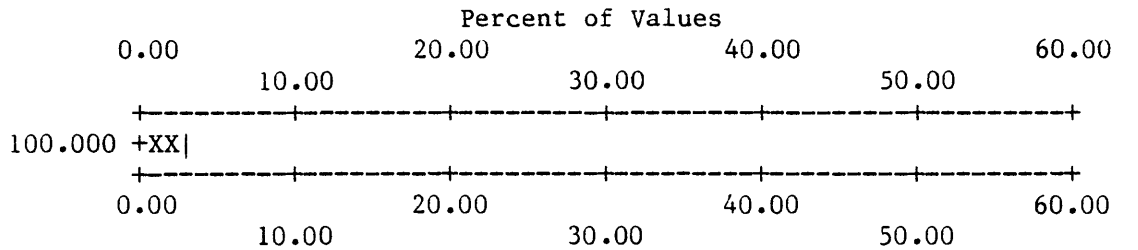
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	1	3.45	1	3.4	96.6	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	28	0	0	0	1	29	29	VALUES
0.0	0.0	0.0	96.6	0.0	0.0	0.0	3.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	100.00	100.000	0.00	100.000	********	1



Each increment (each X or | plotted) = 1.000 %

Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SC

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	4	13.79	4	13.8	86.2	4	13.8	86.2
2	7.000	10	34.48	14	48.3	51.7	14	48.3	51.7
3	10.000	6	20.69	20	69.0	31.0	20	69.0	31.0
4	15.000	7	24.14	27	93.1	6.9	27	93.1	6.9
5	20.000	2	6.90	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	20.00	10.172	4.49	9.297	1.54	29

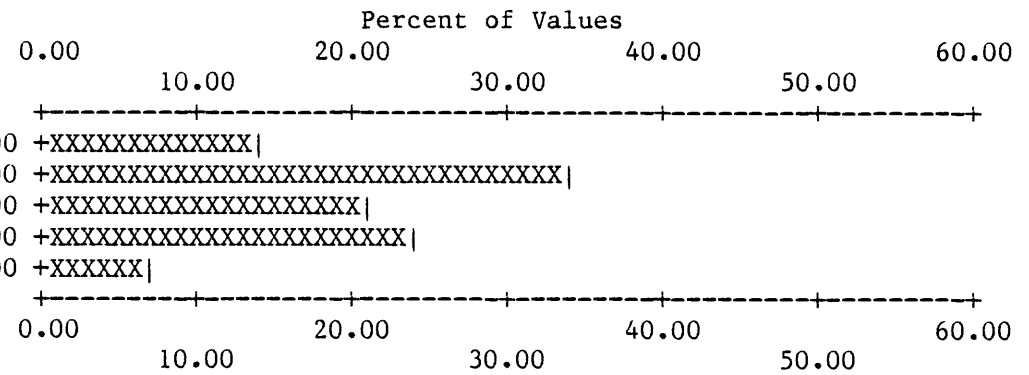


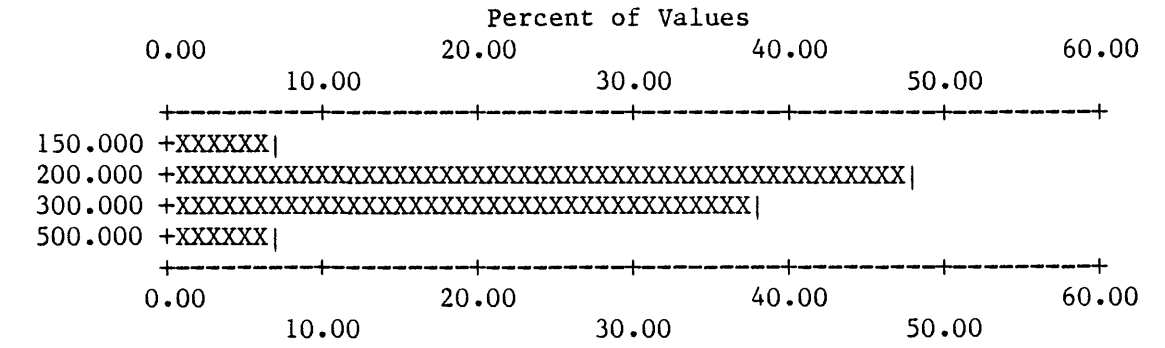
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	150.000	2	6.90	2	6.9	93.1	2	6.9	93.1
2	200.000	14	48.28	16	55.2	44.8	16	55.2	44.8
3	300.000	11	37.93	27	93.1	6.9	27	93.1	6.9
4	500.000	2	6.90	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
150.000	500.00	255.172	85.92	243.585	1.35	29



Each increment (each X or | plotted) = 1.000 %

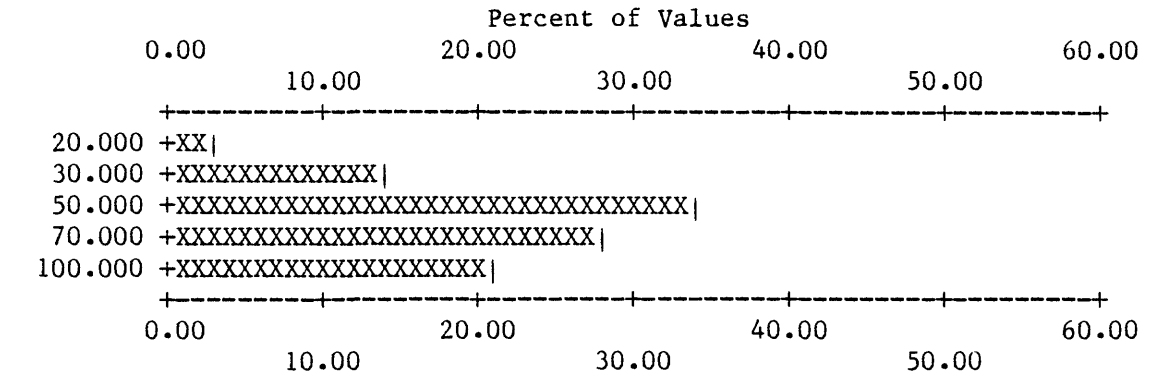
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-V

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	1	3.45	1	3.4	96.6	1	3.4	96.6
2	30.000	4	13.79	5	17.2	82.8	5	17.2	82.8
3	50.000	10	34.48	15	51.7	48.3	15	51.7	48.3
4	70.000	8	27.59	23	79.3	20.7	23	79.3	20.7
5	100.000	6	20.69	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	100.00	62.069	24.26	57.180	1.54	29



Each increment (each X or | plotted) = 1.000 %

Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-W

NO UNQUALIFIED VALUES FOUND

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	28	1	0	0	0	29	29	VALUES
0.0	0.0	0.0	96.6	3.4	0.0	0.0	0.0			PERCENT

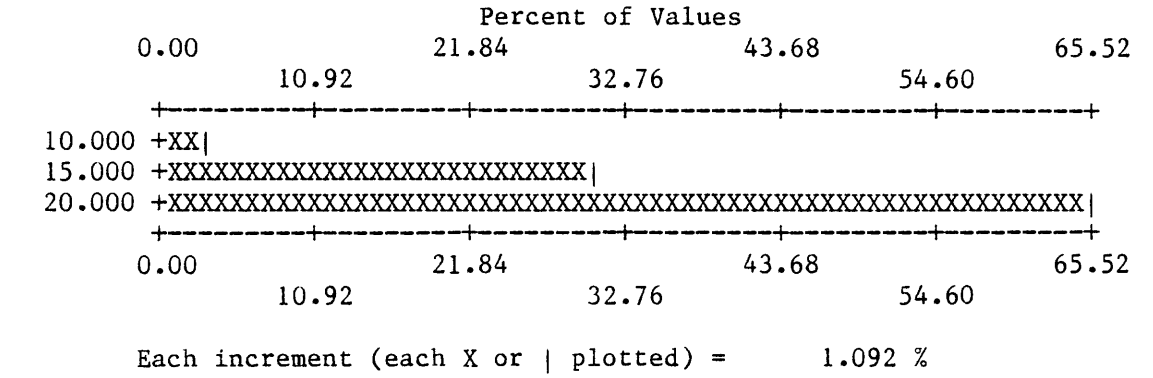
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-Y

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	1	3.45	1	3.4	96.6	1	3.4	96.6
2	15.000	9	31.03	10	34.5	65.5	10	34.5	65.5
3	20.000	19	65.52	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	20.00	18.103	2.81	17.860	1.19	29



Each increment (each X or | plotted) = 1.092 %

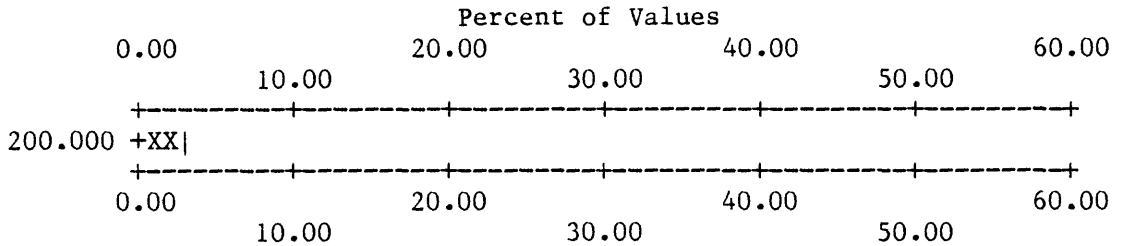
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-ZN

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %	
1	200.000	1	3.45	1	3.4	96.6	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	26	2	0	0	1	29	29	VALUES
0.0	0.0	0.0	89.7	6.9	0.0	0.0	3.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	200.00	200.000	0.00	200.000	********	1



Each increment (each X or | plotted) = 1.000 %

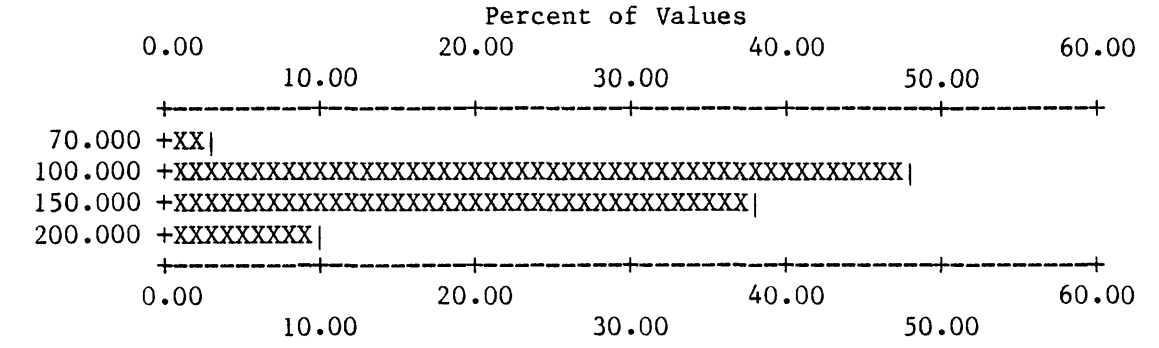
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-ZR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	70.000	1	3.45	1	3.4	96.6	1	3.4	96.6
2	100.000	14	48.28	15	51.7	48.3	15	51.7	48.3
3	150.000	11	37.93	26	89.7	10.3	26	89.7	10.3
4	200.000	3	10.34	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
70.000	200.00	128.276	35.46	123.764	1.31	29



Each increment (each X or | plotted) = 1.000 %

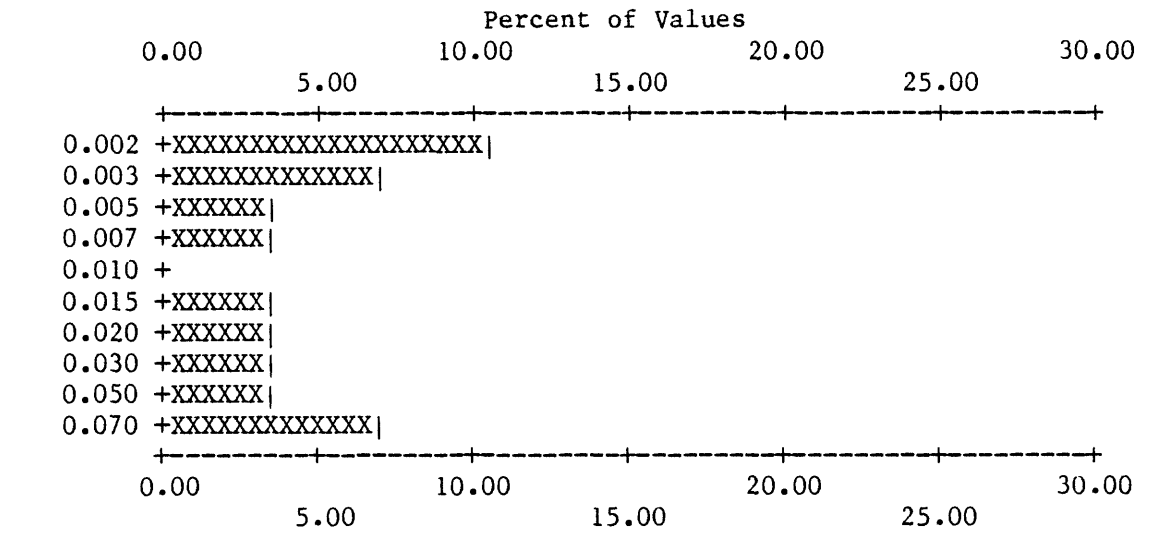
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

AA-AU

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.002	3	10.34	3	10.3	89.7	19	65.5	34.5
2	0.003	2	6.90	5	17.2	82.8	21	72.4	27.6
3	0.005	1	3.45	6	20.7	79.3	22	75.9	24.1
4	0.007	1	3.45	7	24.1	75.9	23	79.3	20.7
5	0.015	1	3.45	8	27.6	72.4	24	82.8	17.2
6	0.020	1	3.45	9	31.0	69.0	25	86.2	13.8
7	0.030	1	3.45	10	34.5	65.5	26	89.7	10.3
8	0.050	1	3.45	11	37.9	62.1	27	93.1	6.9
9	0.070	2	6.90	13	44.8	55.2	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	13	3	0	0	13	29	29	VALUES
0.0	0.0	0.0	44.8	10.3	0.0	0.0	44.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.002	0.07	0.021	0.03	0.010	4.02	13



Each increment (each X or | plotted) = 0.500 %

Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

AA-HG

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.020	1	3.45	1	3.4	96.6	2	6.9	93.1
2	0.050	1	3.45	2	6.9	93.1	3	10.3	89.7
3	0.070	8	27.59	10	34.5	65.5	11	37.9	62.1
4	0.100	5	17.24	15	51.7	48.3	16	55.2	44.8
5	0.150	1	3.45	16	55.2	44.8	17	58.6	41.4
6	0.200	3	10.34	19	65.5	34.5	20	69.0	31.0
7	0.300	3	10.34	22	75.9	24.1	23	79.3	20.7
8	0.500	2	6.90	24	82.8	17.2	25	86.2	13.8
9	0.700	3	10.34	27	93.1	6.9	28	96.6	3.4
10	7.000	1	3.45	28	96.6	3.4	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	1	0	0	28	29	29	VALUES
0.0	0.0	0.0	0.0	3.4	0.0	0.0	96.6			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.020	7.00	0.460	1.30	0.164	3.22	28

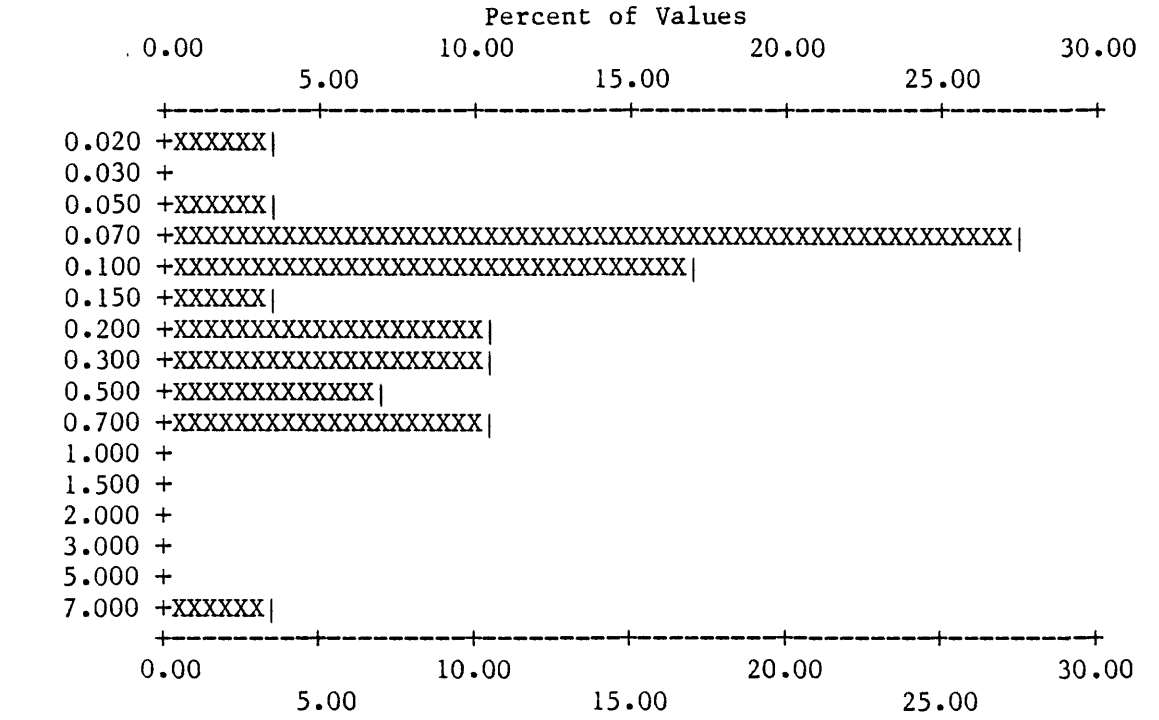


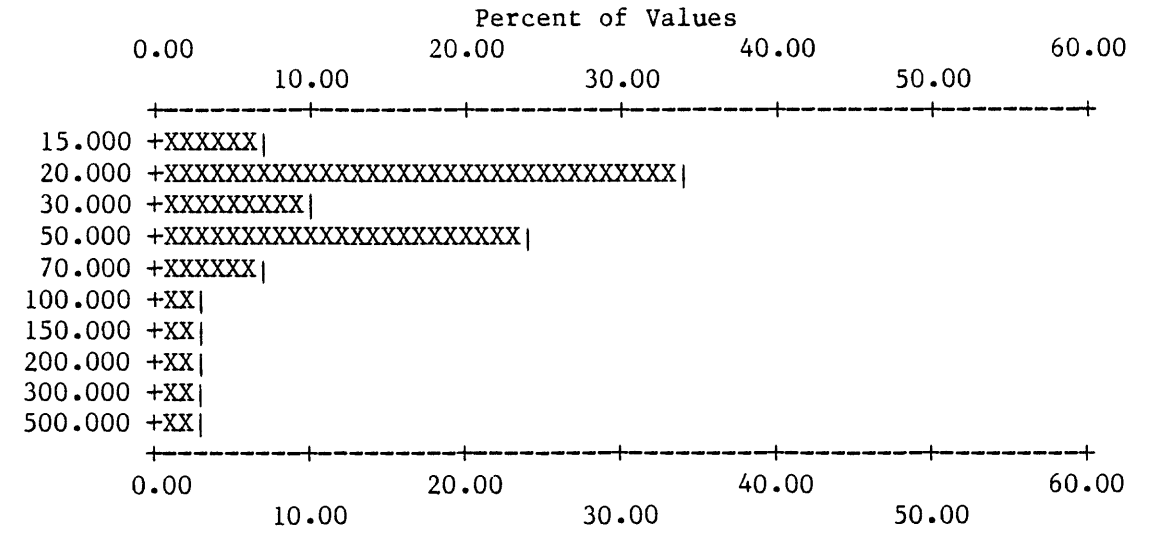
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

AA-ZN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	15.000	2	6.90	2	6.9	93.1	2	6.9	93.1
2	20.000	10	34.48	12	41.4	58.6	12	41.4	58.6
3	30.000	3	10.34	15	51.7	48.3	15	51.7	48.3
4	50.000	7	24.14	22	75.9	24.1	22	75.9	24.1
5	70.000	2	6.90	24	82.8	17.2	24	82.8	17.2
6	100.000	1	3.45	25	86.2	13.8	25	86.2	13.8
7	150.000	1	3.45	26	89.7	10.3	26	89.7	10.3
8	200.000	1	3.45	27	93.1	6.9	27	93.1	6.9
9	300.000	1	3.45	28	96.6	3.4	28	96.6	3.4
10	500.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
15.000	500.00	71.034	103.62	41.853	2.50	29



Each increment (each X or | plotted) = 1.000 %

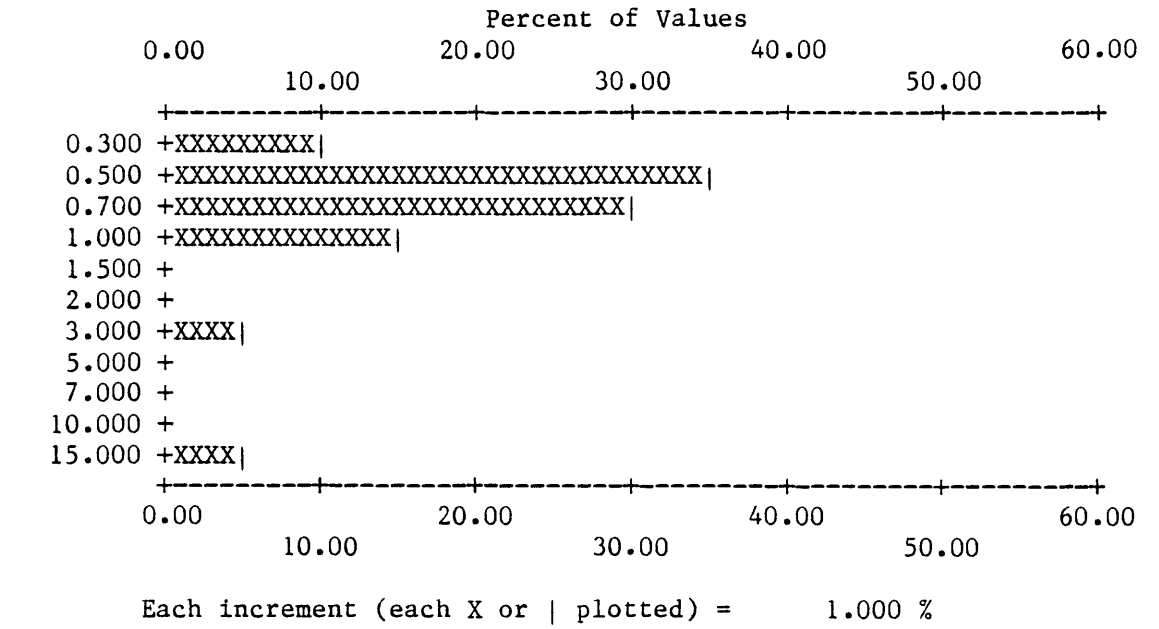
Table 11. Frequency tables and histograms for stream-sediment samples from the Sugarloaf Roadless Area, Nevada - (continued)

U-INST

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.300	2	10.00	2	10.0	90.0	2	10.0	90.0
2	0.500	7	35.00	9	45.0	55.0	9	45.0	55.0
3	0.700	6	30.00	15	75.0	25.0	15	75.0	25.0
4	1.000	3	15.00	18	90.0	10.0	18	90.0	10.0
5	3.000	1	5.00	19	95.0	5.0	19	95.0	5.0
6	15.000	1	5.00	20	100.0	0.0	20	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
9	0	0	0	0	0	0	20	20	29	VALUES
31.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.300	15.00	1.465	3.24	0.756	2.36	20



Each increment (each X or | plotted) = 1.000 %

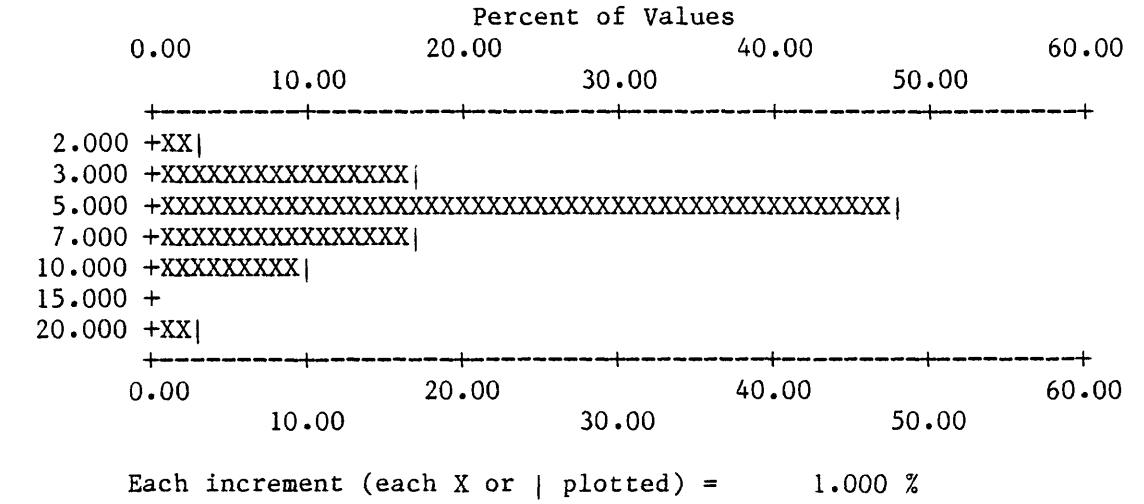
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada

S-CA%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	2.000	1	3.45	1	3.4	96.6	1	3.4	96.6
2	3.000	5	17.24	6	20.7	79.3	6	20.7	79.3
3	5.000	14	48.28	20	69.0	31.0	20	69.0	31.0
4	7.000	5	17.24	25	86.2	13.8	25	86.2	13.8
5	10.000	3	10.34	28	96.6	3.4	28	96.6	3.4
6	20.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
2.000	20.00	5.931	3.40	5.298	1.59	29



Each increment (each X or | plotted) = 1.000 %

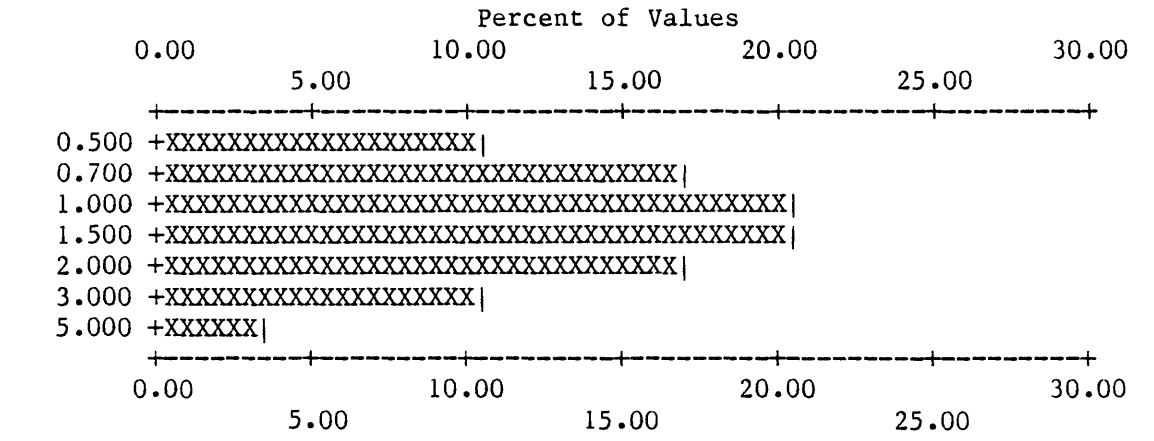
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-FE%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.500	3	10.34	3	10.3	89.7	3	10.3	89.7
2	0.700	5	17.24	8	27.6	72.4	8	27.6	72.4
3	1.000	6	20.69	14	48.3	51.7	14	48.3	51.7
4	1.500	6	20.69	20	69.0	31.0	20	69.0	31.0
5	2.000	5	17.24	25	86.2	13.8	25	86.2	13.8
6	3.000	3	10.34	28	96.6	3.4	28	96.6	3.4
7	5.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.500	5.00	1.517	1.00	1.270	1.82	29



Each increment (each X or | plotted) = 0.500 %

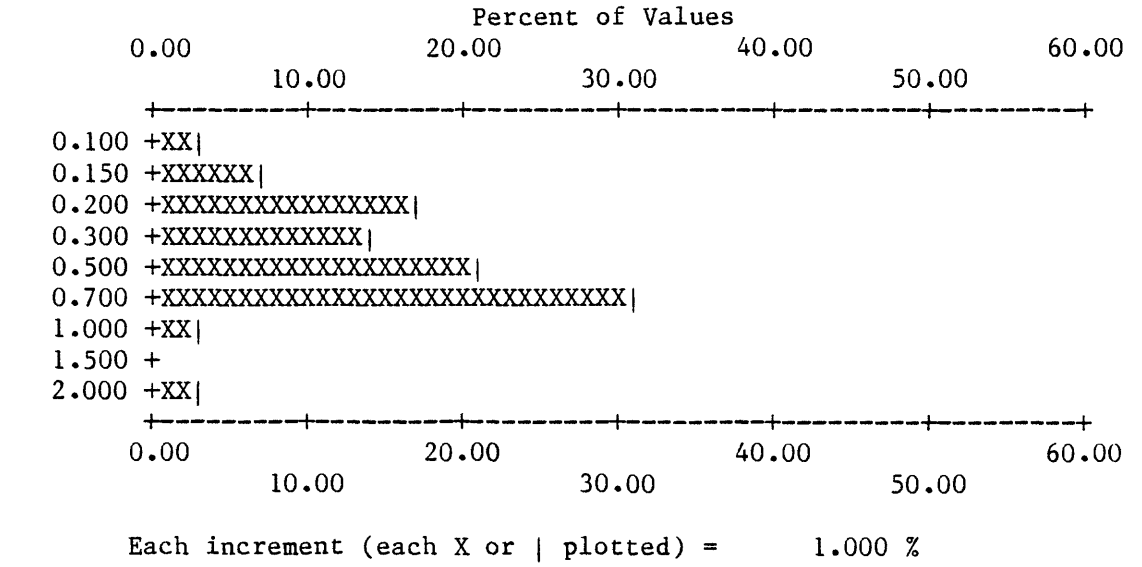
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-MG%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.100	1	3.45	1	3.4	96.6	1	3.4	96.6
2	0.150	2	6.90	3	10.3	89.7	3	10.3	89.7
3	0.200	5	17.24	8	27.6	72.4	8	27.6	72.4
4	0.300	4	13.79	12	41.4	58.6	12	41.4	58.6
5	0.500	6	20.69	18	62.1	37.9	18	62.1	37.9
6	0.700	9	31.03	27	93.1	6.9	27	93.1	6.9
7	1.000	1	3.45	28	96.6	3.4	28	96.6	3.4
8	2.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.100	2.00	0.514	0.37	0.413	1.98	29



Each increment (each X or | plotted) = 1.000 %

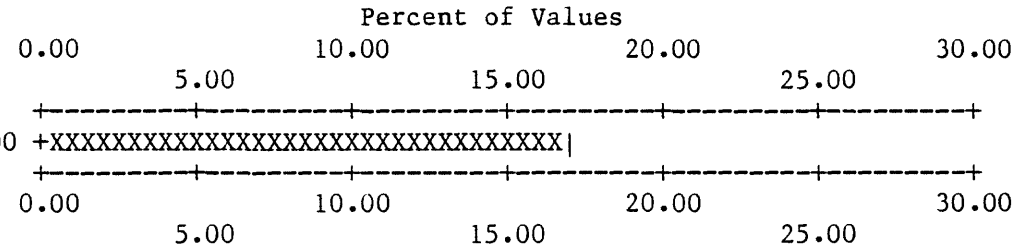
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-TI%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	2.000	5	17.24	5	17.2	82.8	5	17.2	82.8

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	24	0	5	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	82.8	0.0	17.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
2.000	2.00	2.000	0.00	2.000	1.00	5



Each increment (each X or | plotted) = 0.500 %

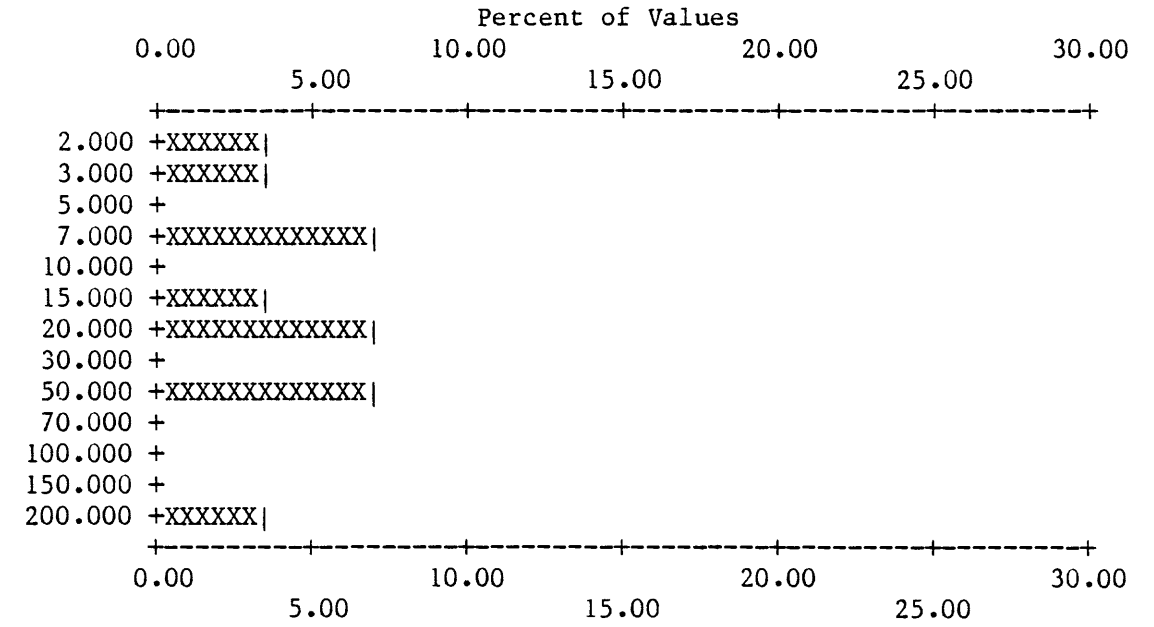
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-AG

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	2.000	1	3.45	1	3.4	96.6	20	69.0	31.0
2	3.000	1	3.45	2	6.9	93.1	21	72.4	27.6
3	7.000	2	6.90	4	13.8	86.2	23	79.3	20.7
4	15.000	1	3.45	5	17.2	82.8	24	82.8	17.2
5	20.000	2	6.90	7	24.1	75.9	26	89.7	10.3
6	50.000	2	6.90	9	31.0	69.0	28	96.6	3.4
7	200.000	1	3.45	10	34.5	65.5	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	19	0	0	0	10	29	29	VALUES
0.0	0.0	0.0	65.5	0.0	0.0	0.0	34.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
2.000	200.00	37.400	59.77	15.651	4.04	10



Each increment (each X or | plotted) = 0.500 %

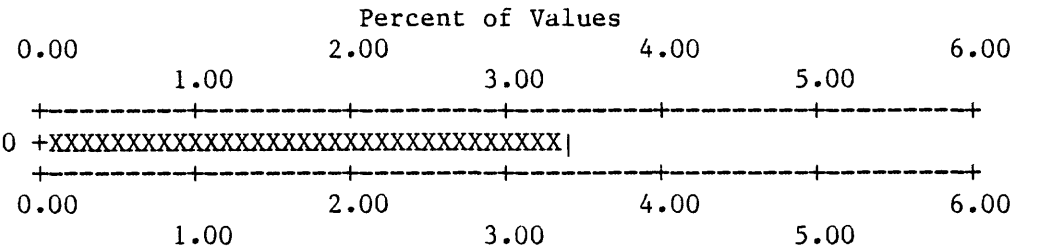
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-AS

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %	
1	700.000	1	3.45	1	3.4 96.6	29	100.0 0.0	

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	28	0	0	0	1	29	29	VALUES
0.0	0.0	0.0	96.6	0.0	0.0	0.0	3.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
700.000	700.00	700.000	0.00	700.000	********	1



Each increment (each X or | plotted) = 0.100 %

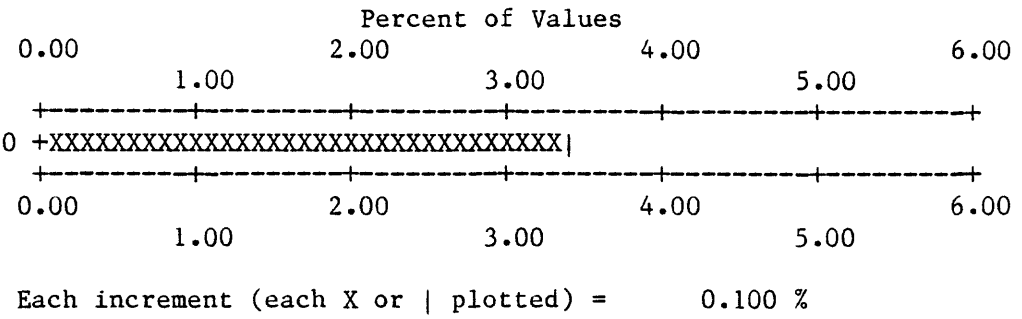
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-AU

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	50.000	1	3.45	1	3.4	96.6	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	28	0	0	0	1	29	29	VALUES
0.0	0.0	0.0	96.6	0.0	0.0	0.0	3.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
50.000	50.00	50.000	0.00	50.000	********	1



Each increment (each X or | plotted) = 0.100 %

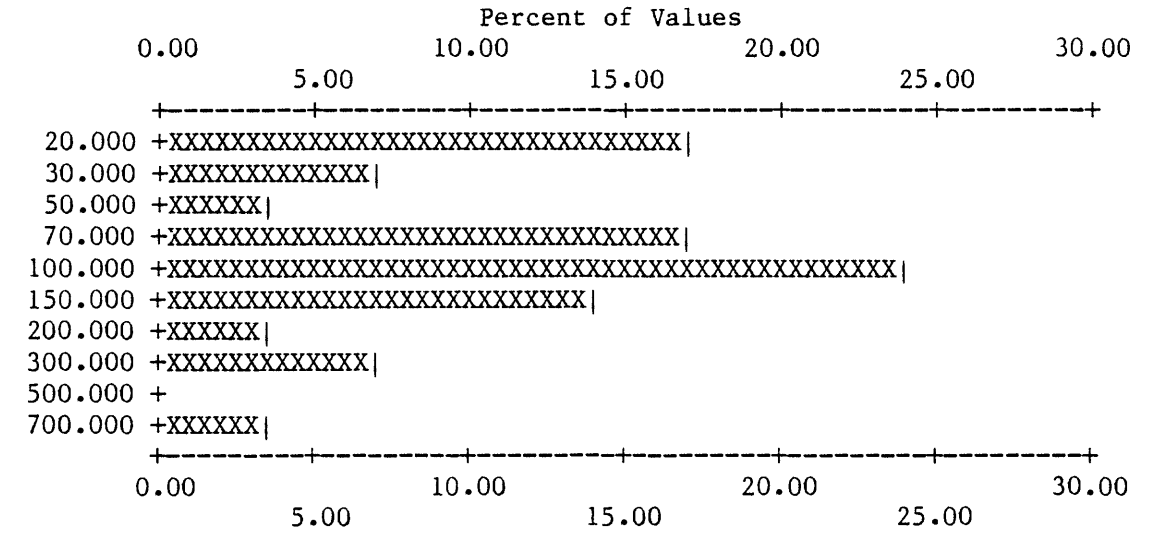
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-B

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	5	17.24	5	17.2	82.8	6	20.7	79.3
2	30.000	2	6.90	7	24.1	75.9	8	27.6	72.4
3	50.000	1	3.45	8	27.6	72.4	9	31.0	69.0
4	70.000	5	17.24	13	44.8	55.2	14	48.3	51.7
5	100.000	7	24.14	20	69.0	31.0	21	72.4	27.6
6	150.000	4	13.79	24	82.8	17.2	25	86.2	13.8
7	200.000	1	3.45	25	86.2	13.8	26	89.7	10.3
8	300.000	2	6.90	27	93.1	6.9	28	96.6	3.4
9	700.000	1	3.45	28	96.6	3.4	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	1	0	0	28	29	29	VALUES
0.0	0.0	0.0	0.0	3.4	0.0	0.0	96.6			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	700.00	120.000	135.76	79.358	2.51	28



Each increment (each X or | plotted) = 0.500 %

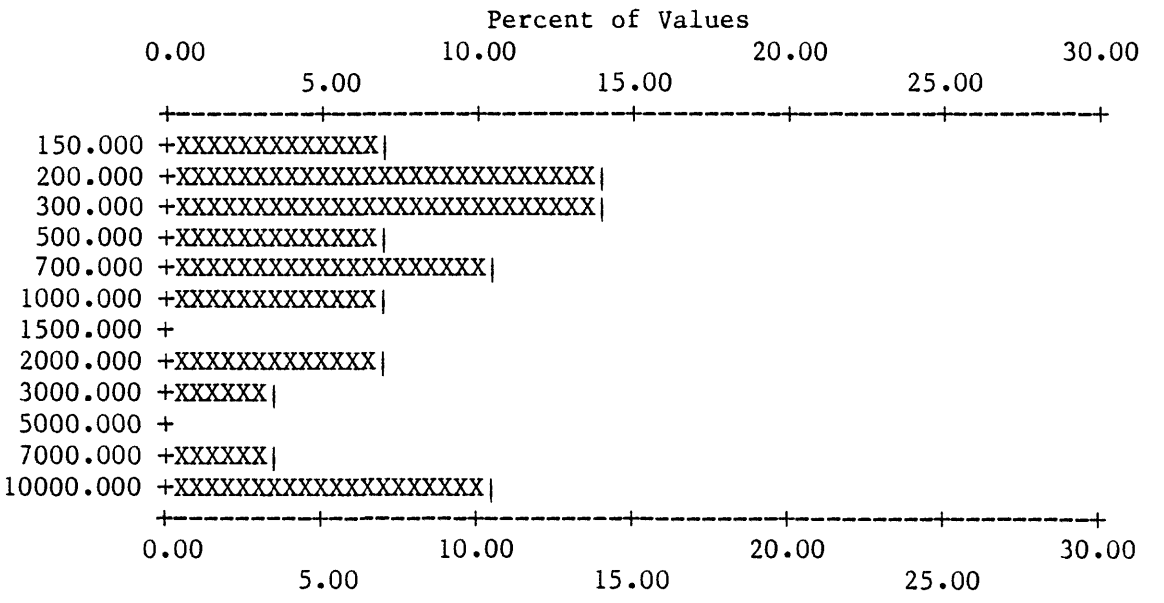
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-BA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	150.000	2	6.90	2	6.9	93.1	2	6.9	93.1
2	200.000	4	13.79	6	20.7	79.3	6	20.7	79.3
3	300.000	4	13.79	10	34.5	65.5	10	34.5	65.5
4	500.000	2	6.90	12	41.4	58.6	12	41.4	58.6
5	700.000	3	10.34	15	51.7	48.3	15	51.7	48.3
6	1000.000	2	6.90	17	58.6	41.4	17	58.6	41.4
7	2000.000	2	6.90	19	65.5	34.5	19	65.5	34.5
8	3000.000	1	3.45	20	69.0	31.0	20	69.0	31.0
9	7000.000	1	3.45	21	72.4	27.6	21	72.4	27.6
10	10000.000	3	10.34	24	82.8	17.2	24	82.8	17.2

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	5	0	24	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	17.2	0.0	82.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
150.000	10000.00	2141.667	3365.12	773.445	4.05	24



Each increment (each X or | plotted) = 0.500 %

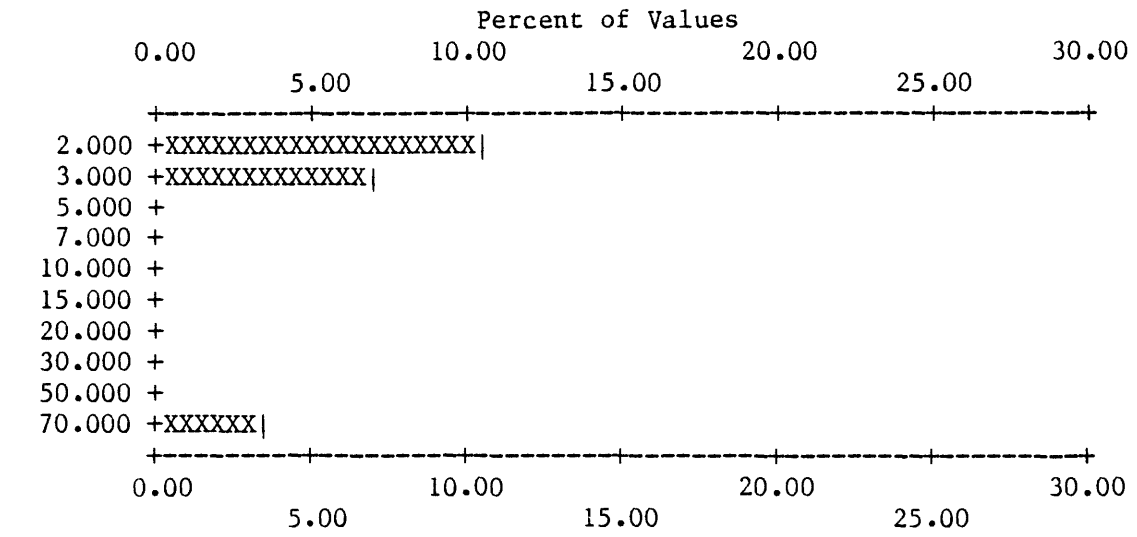
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-BE

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	2.000	3	10.34	3	10.3	89.7	26	89.7	10.3
2	3.000	2	6.90	5	17.2	82.8	28	96.6	3.4
3	70.000	1	3.45	6	20.7	79.3	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	7	16	0	0	6	29	29	VALUES
0.0	0.0	0.0	24.1	55.2	0.0	0.0	20.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
2.000	70.00	13.667	27.60	4.141	4.05	6



Each increment (each X or | plotted) = 0.500 %

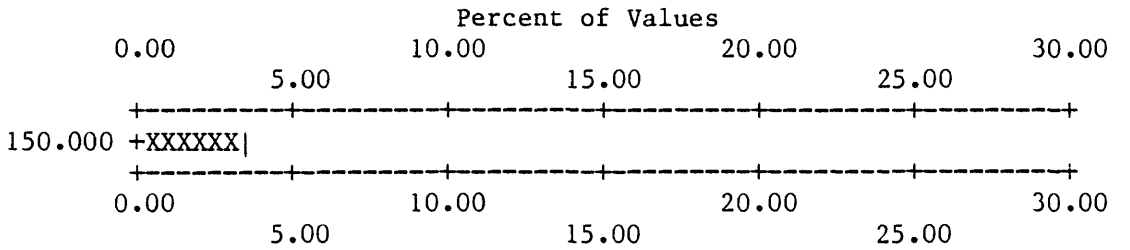
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-BI

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	150.000	1	3.45	1	3.4	96.6	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	28	0	0	0	1	29	29	VALUES
0.0	0.0	0.0	96.6	0.0	0.0	0.0	3.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
150.000	150.00	150.000	0.00	150.000	********	1



Each increment (each X or | plotted) = 0.500 %

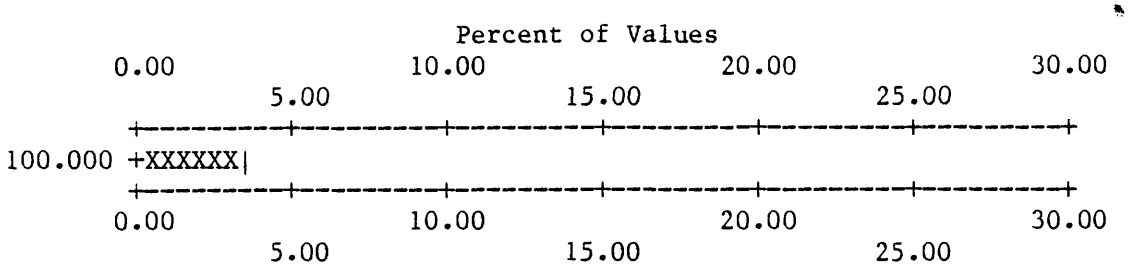
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CD

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	1	3.45	1	3.4	96.6	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	27	1	0	0	1	29	29	VALUES
0.0	0.0	0.0	93.1	3.4	0.0	0.0	3.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	100.00	100.000	0.00	100.000	********	1



Each increment (each X or | plotted) = 0.500 %

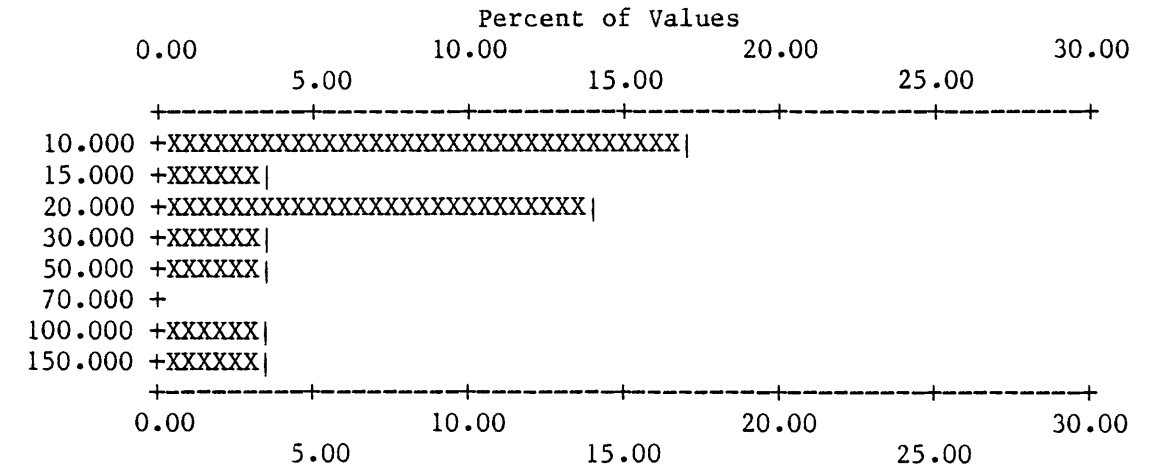
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	5	17.24	5	17.2	82.8	20	69.0	31.0
2	15.000	1	3.45	6	20.7	79.3	21	72.4	27.6
3	20.000	4	13.79	10	34.5	65.5	25	86.2	13.8
4	30.000	1	3.45	11	37.9	62.1	26	89.7	10.3
5	50.000	1	3.45	12	41.4	58.6	27	93.1	6.9
6	100.000	1	3.45	13	44.8	55.2	28	96.6	3.4
7	150.000	1	3.45	14	48.3	51.7	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	7	8	0	0	14	29	29	VALUES
0.0	0.0	0.0	24.1	27.6	0.0	0.0	48.3			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	150.00	33.929	41.24	21.779	2.41	14



Each increment (each X or | plotted) = 0.500 %

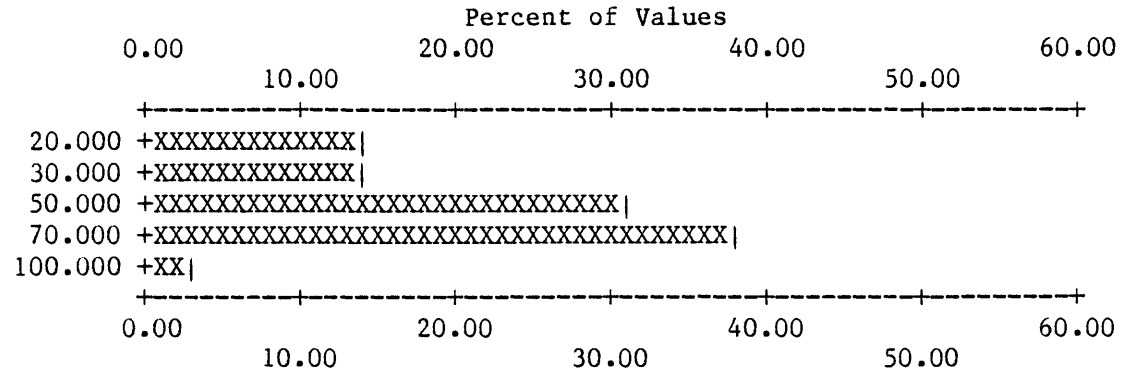
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	4	13.79	4	13.8	86.2	4	13.8	86.2
2	30.000	4	13.79	8	27.6	72.4	8	27.6	72.4
3	50.000	9	31.03	17	58.6	41.4	17	58.6	41.4
4	70.000	11	37.93	28	96.6	3.4	28	96.6	3.4
5	100.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	100.00	52.414	20.64	47.785	1.59	29



Each increment (each X or | plotted) = 1.000 %

Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-CU

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	7	24.14	7	24.1	75.9	18	62.1	37.9
2	15.000	1	3.45	8	27.6	72.4	19	65.5	34.5
3	20.000	3	10.34	11	37.9	62.1	22	75.9	24.1
4	30.000	3	10.34	14	48.3	51.7	25	86.2	13.8
5	50.000	2	6.90	16	55.2	44.8	27	93.1	6.9
6	100.000	2	6.90	18	62.1	37.9	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	2	9	0	0	18	29	29	VALUES
0.0	0.0	0.0	6.9	31.0	0.0	0.0	62.1			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	100.00	29.722	28.62	21.294	2.21	18

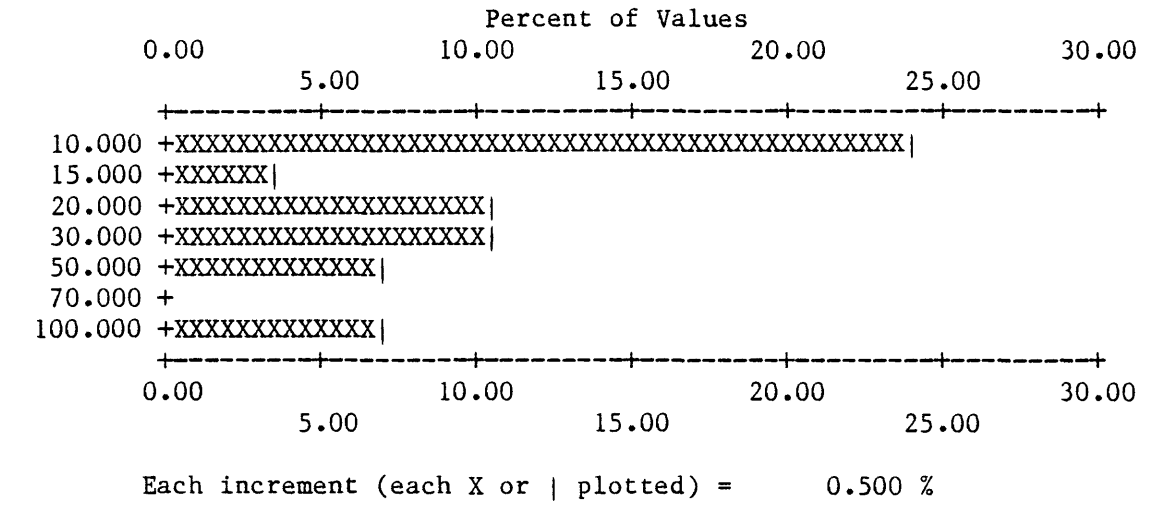


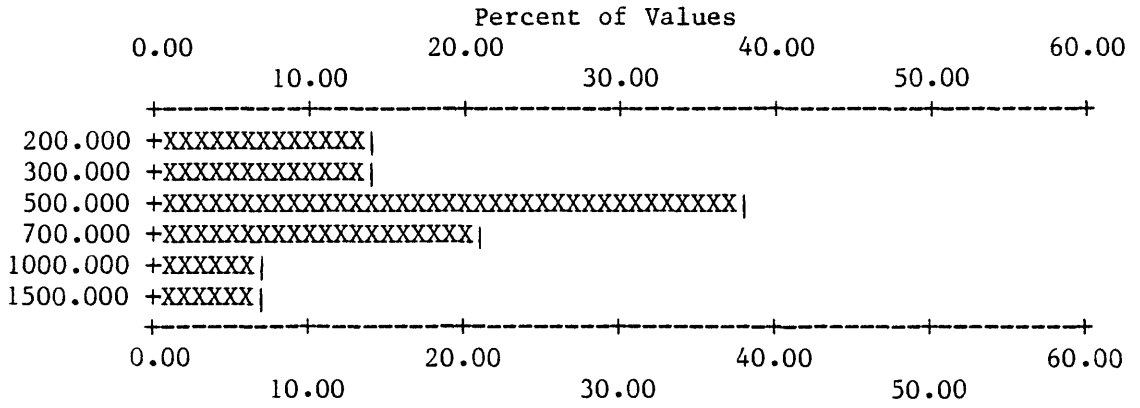
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-LA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	200.000	4	13.79	4	13.8	86.2	4	13.8	86.2
2	300.000	4	13.79	8	27.6	72.4	8	27.6	72.4
3	500.000	11	37.93	19	65.5	34.5	19	65.5	34.5
4	700.000	6	20.69	25	86.2	13.8	25	86.2	13.8
5	1000.000	2	6.90	27	93.1	6.9	27	93.1	6.9
6	1500.000	2	6.90	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	1500.00	575.862	332.37	498.174	1.73	29



Each increment (each X or | plotted) = 1.000 %

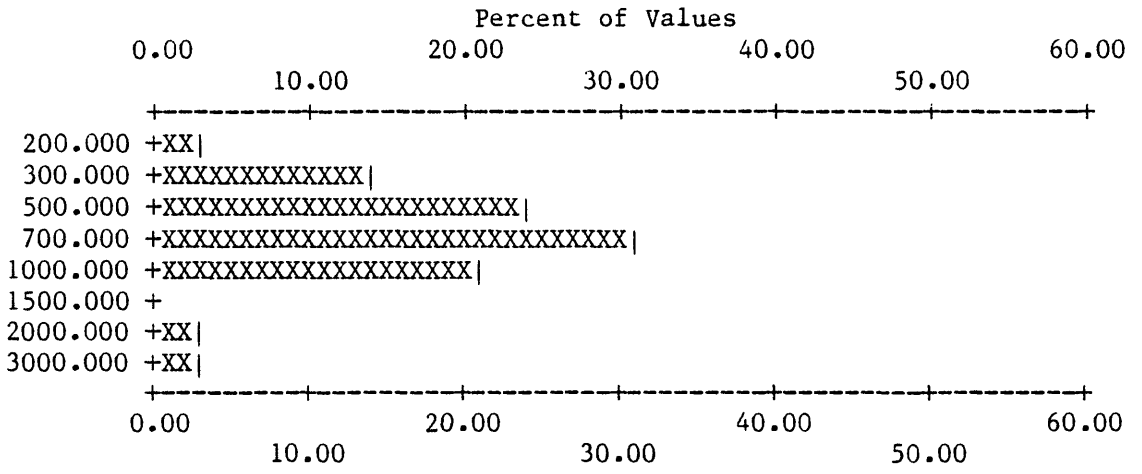
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-MN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	200.000	1	3.45	1	3.4	96.6	1	3.4	96.6
2	300.000	4	13.79	5	17.2	82.8	5	17.2	82.8
3	500.000	7	24.14	12	41.4	58.6	12	41.4	58.6
4	700.000	9	31.03	21	72.4	27.6	21	72.4	27.6
5	1000.000	6	20.69	27	93.1	6.9	27	93.1	6.9
6	2000.000	1	3.45	28	96.6	3.4	28	96.6	3.4
7	3000.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	3000.00	765.517	553.09	645.467	1.76	29



Each increment (each X or | plotted) = 1.000 %

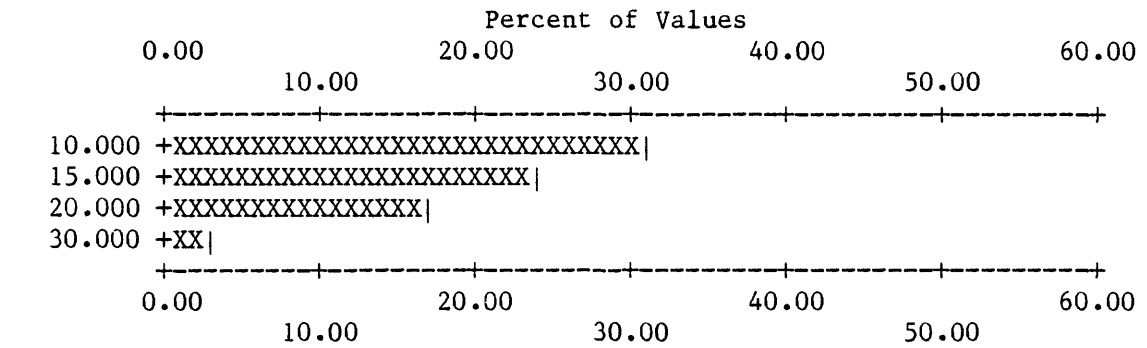
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-MO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	9	31.03	9	31.0	69.0	16	55.2	44.8
2	15.000	7	24.14	16	55.2	44.8	23	79.3	20.7
3	20.000	5	17.24	21	72.4	27.6	28	96.6	3.4
4	30.000	1	3.45	22	75.9	24.1	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	1	6	0	0	22	29	29	VALUES
0.0	0.0	0.0	3.4	20.7	0.0	0.0	75.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	30.00	14.773	5.23	14.000	1.39	22



Each increment (each X or | plotted) = 1.000 %

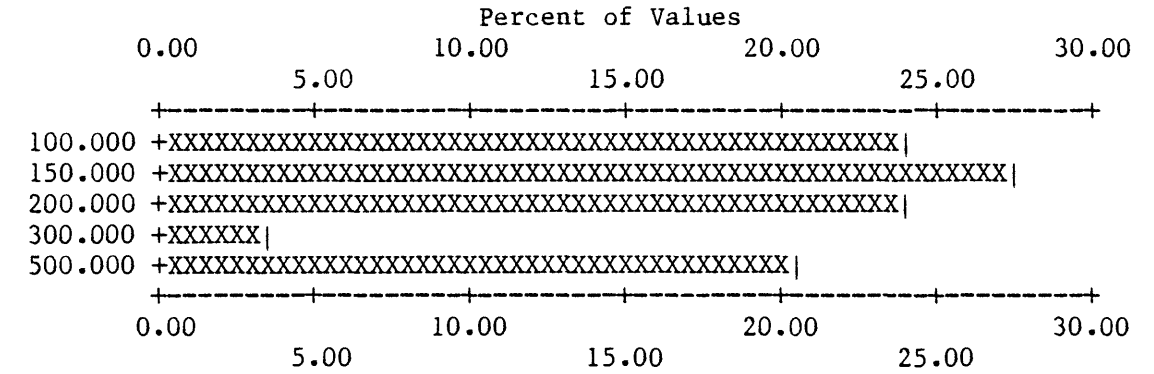
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-NB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	7	24.14	7	24.1	75.9	7	24.1	75.9
2	150.000	8	27.59	15	51.7	48.3	15	51.7	48.3
3	200.000	7	24.14	22	75.9	24.1	22	75.9	24.1
4	300.000	1	3.45	23	79.3	20.7	23	79.3	20.7
5	500.000	6	20.69	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	500.00	227.586	148.56	191.561	1.77	29



Each increment (each X or | plotted) = 0.500 %

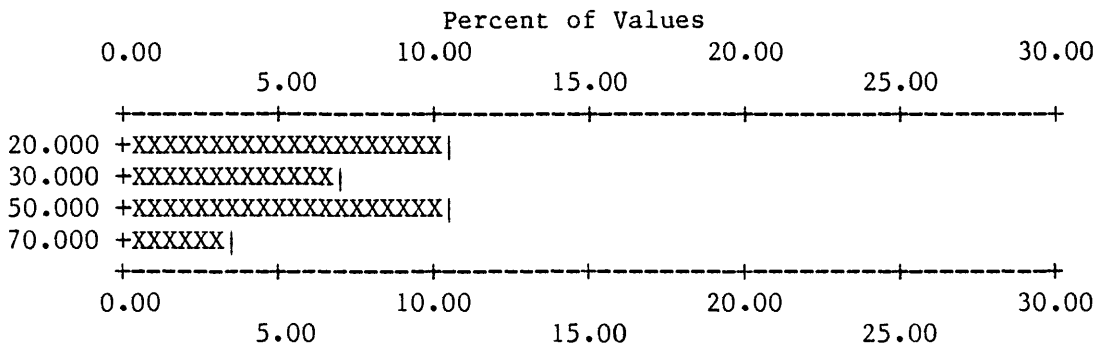
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-NI

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	3	10.34	3	10.3	89.7	23	79.3	20.7
2	30.000	2	6.90	5	17.2	82.8	25	86.2	13.8
3	50.000	3	10.34	8	27.6	72.4	28	96.6	3.4
4	70.000	1	3.45	9	31.0	69.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	19	1	0	0	9	29	29	VALUES
0.0	0.0	0.0	65.5	3.4	0.0	0.0	31.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	70.00	37.778	17.87	34.140	1.62	9



Each increment (each X or | plotted) = 0.500 %

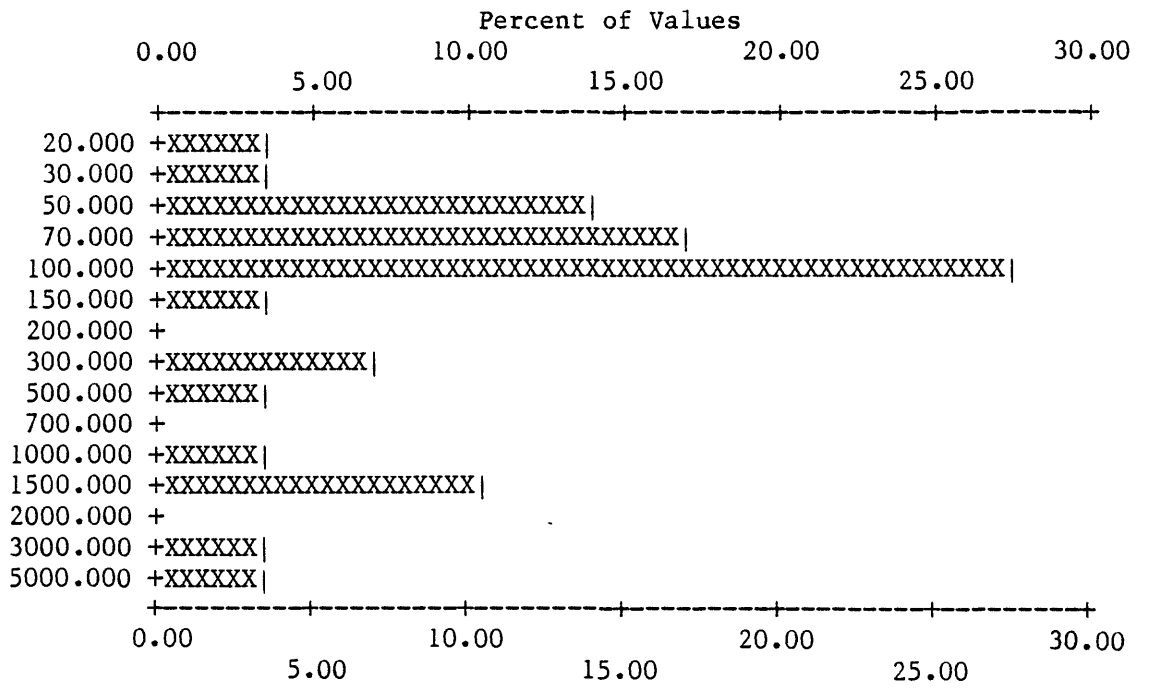
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-PB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	1	3.45	1	3.4	96.6	1	3.4	96.6
2	30.000	1	3.45	2	6.9	93.1	2	6.9	93.1
3	50.000	4	13.79	6	20.7	79.3	6	20.7	79.3
4	70.000	5	17.24	11	37.9	62.1	11	37.9	62.1
5	100.000	8	27.59	19	65.5	34.5	19	65.5	34.5
6	150.000	1	3.45	20	69.0	31.0	20	69.0	31.0
7	300.000	2	6.90	22	75.9	24.1	22	75.9	24.1
8	500.000	1	3.45	23	79.3	20.7	23	79.3	20.7
9	1000.000	1	3.45	24	82.8	17.2	24	82.8	17.2
10	1500.000	3	10.34	27	93.1	6.9	27	93.1	6.9
11	3000.000	1	3.45	28	96.6	3.4	28	96.6	3.4
12	5000.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	5000.00	556.897	1090.94	165.343	4.25	29



Each increment (each X or | plotted) = 0.500 %

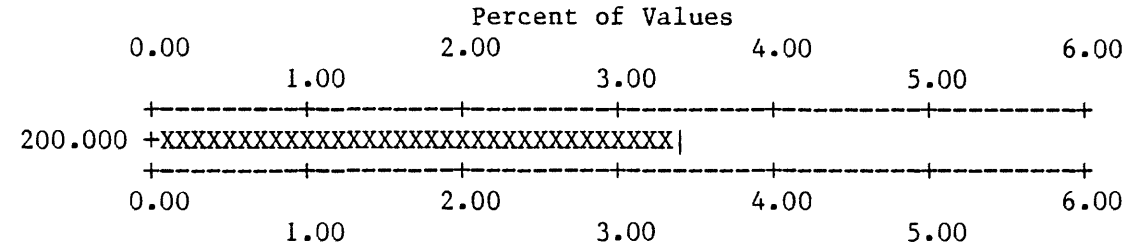
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	200.000	1	3.45	1	3.4	96.6	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	26	2	0	0	1	29	29	VALUES
0.0	0.0	0.0	89.7	6.9	0.0	0.0	3.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	200.00	200.000	0.00	200.000	********	1



Each increment (each X or | plotted) = 0.100 %

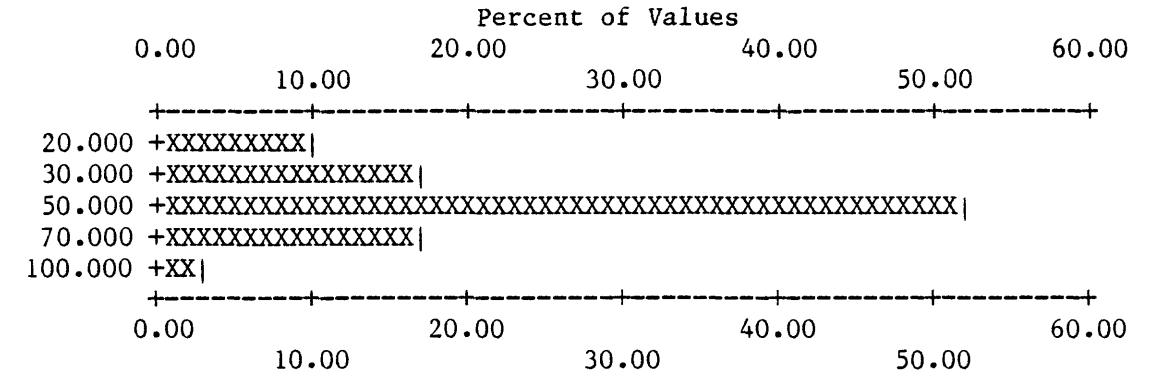
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SC

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	3	10.34	3	10.3	89.7	3	10.3	89.7
2	30.000	5	17.24	8	27.6	72.4	8	27.6	72.4
3	50.000	15	51.72	23	79.3	20.7	23	79.3	20.7
4	70.000	5	17.24	28	96.6	3.4	28	96.6	3.4
5	100.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	100.00	48.621	18.07	45.199	1.50	29



Each increment (each X or | plotted) = 1.000 %

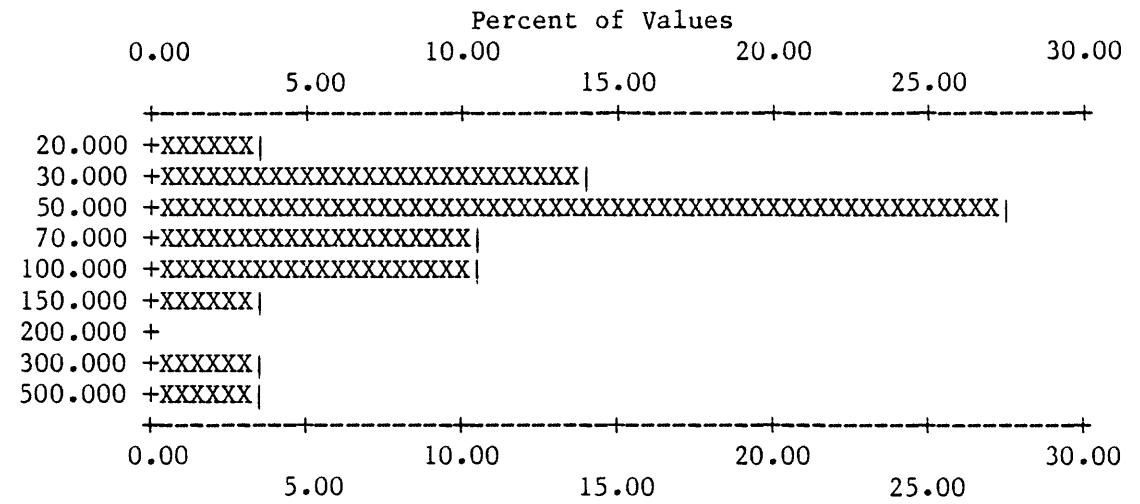
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	1	3.45	1	3.4	96.6	8	27.6	72.4
2	30.000	4	13.79	5	17.2	82.8	12	41.4	58.6
3	50.000	8	27.59	13	44.8	55.2	20	69.0	31.0
4	70.000	3	10.34	16	55.2	44.8	23	79.3	20.7
5	100.000	3	10.34	19	65.5	34.5	26	89.7	10.3
6	150.000	1	3.45	20	69.0	31.0	27	93.1	6.9
7	300.000	1	3.45	21	72.4	27.6	28	96.6	3.4
8	500.000	1	3.45	22	75.9	24.1	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	2	5	0	0	22	29	29	VALUES
0.0	0.0	0.0	6.9	17.2	0.0	0.0	75.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	500.00	90.909	108.97	63.685	2.14	22



Each increment (each X or | plotted) = 0.500 %

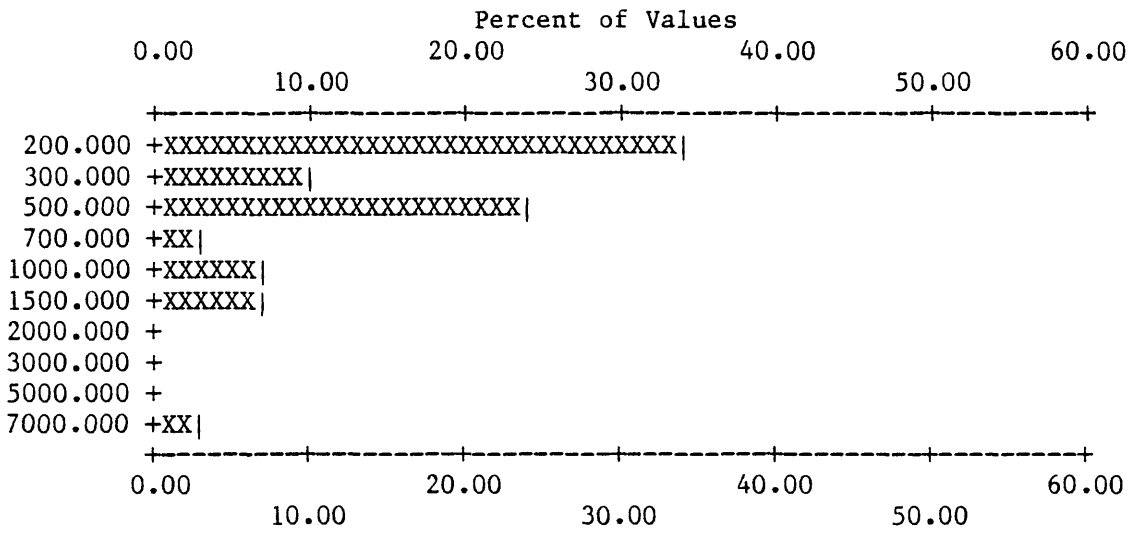
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-SR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	200.000	10	34.48	10	34.5	65.5	13	44.8	55.2
2	300.000	3	10.34	13	44.8	55.2	16	55.2	44.8
3	500.000	7	24.14	20	69.0	31.0	23	79.3	20.7
4	700.000	1	3.45	21	72.4	27.6	24	82.8	17.2
5	1000.000	2	6.90	23	79.3	20.7	26	89.7	10.3
6	1500.000	2	6.90	25	86.2	13.8	28	96.6	3.4
7	7000.000	1	3.45	26	89.7	10.3	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	2	1	0	0	26	29	29	VALUES
0.0	0.0	0.0	6.9	3.4	0.0	0.0	89.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	7000.00	734.615	1332.35	426.460	2.39	26



Each increment (each X or | plotted) = 1.000 %

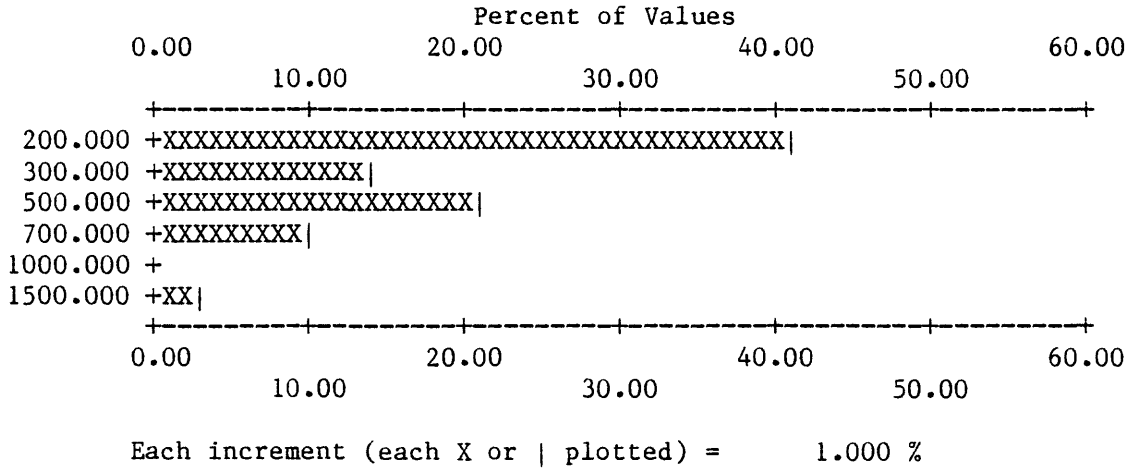
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-TH

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	200.000	12	41.38	12	41.4	58.6	15	51.7	48.3
2	300.000	4	13.79	16	55.2	44.8	19	65.5	34.5
3	500.000	6	20.69	22	75.9	24.1	25	86.2	13.8
4	700.000	3	10.34	25	86.2	13.8	28	96.6	3.4
5	1500.000	1	3.45	26	89.7	10.3	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	3	0	0	26	29	29	VALUES
0.0	0.0	0.0	0.0	10.3	0.0	0.0	89.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	1500.00	392.308	286.95	328.387	1.77	26



Each increment (each X or | plotted) = 1.000 %

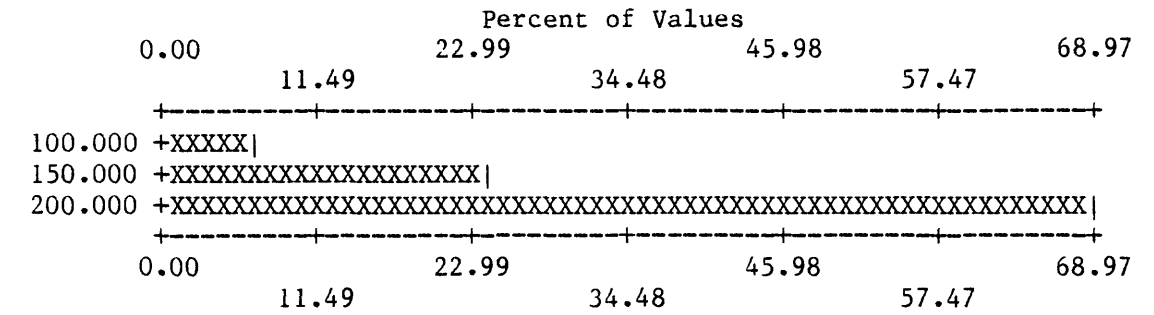
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-V

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	2	6.90	2	6.9	93.1	2	6.9	93.1
2	150.000	7	24.14	9	31.0	69.0	9	31.0	69.0
3	200.000	20	68.97	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	200.00	181.034	31.09	177.874	1.22	29



Each increment (each X or | plotted) = 1.149 %

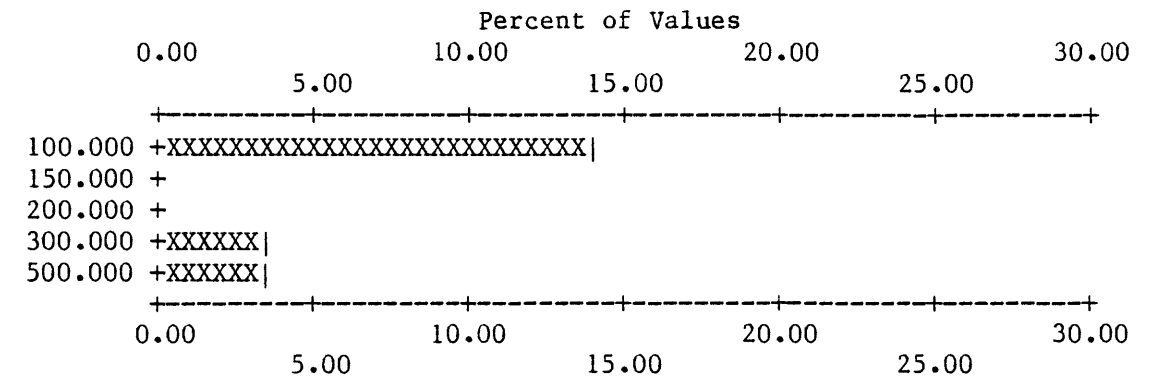
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-W

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	4	13.79	4	13.8	86.2	27	93.1	6.9
2	300.000	1	3.45	5	17.2	82.8	28	96.6	3.4
3	500.000	1	3.45	6	20.7	79.3	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	16	7	0	0	6	29	29	VALUES
0.0	0.0	0.0	55.2	24.1	0.0	0.0	20.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	500.00	200.000	167.33	157.042	2.05	6



Each increment (each X or | plotted) = 0.500 %

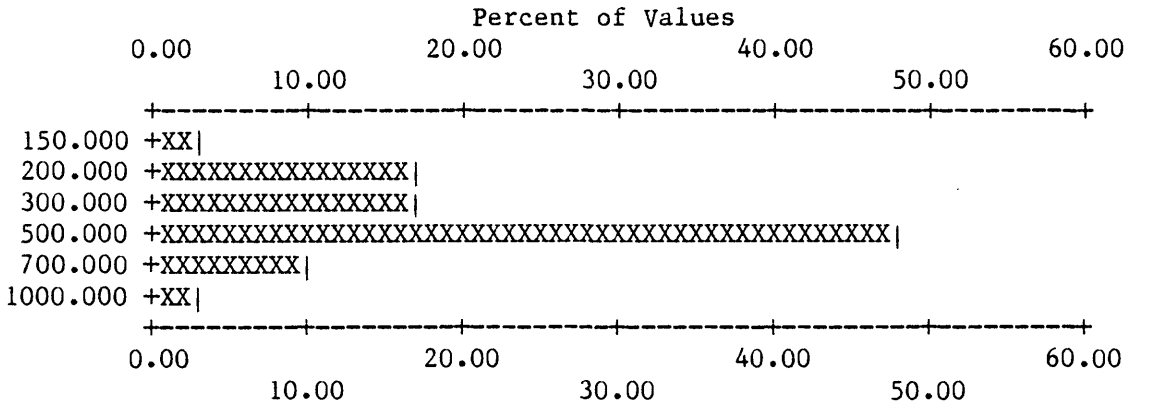
Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-Y

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	150.000	1	3.45	1	3.4	96.6	1	3.4	96.6
2	200.000	5	17.24	6	20.7	79.3	6	20.7	79.3
3	300.000	5	17.24	11	37.9	62.1	11	37.9	62.1
4	500.000	14	48.28	25	86.2	13.8	25	86.2	13.8
5	700.000	3	10.34	28	96.6	3.4	28	96.6	3.4
6	1000.000	1	3.45	29	100.0	0.0	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	29	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
150.000	1000.00	439.655	192.44	397.719	1.60	29



Each increment (each X or | plotted) = 1.000 %

Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-ZN

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %	
1	2000.000	1	3.45	1	3.4 96.6	29	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	28	0	0	0	1	29	29	VALUES
0.0	0.0	0.0	96.6	0.0	0.0	0.0	3.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
2000.000	2000.00	2000.000	0.00	2000.000	********	1

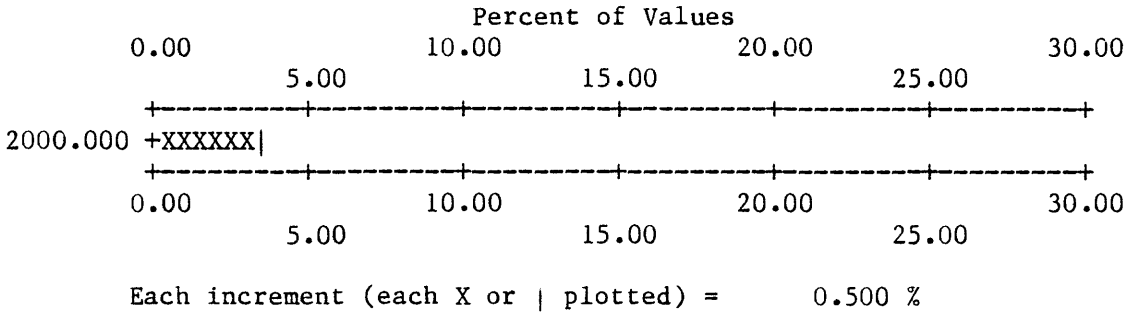


Table 12. Frequency tables and histograms for nonmagnetic panned-concentrate samples from the Sugarloaf Roadless Area, Nevada - (continued)

S-ZR

NO UNQUALIFIED VALUES FOUND

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	29	0	0	29	29	VALUES
0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0			PERCENT