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RECONNAISSANCE GEOLOGIC MAP AND GEOCHEMICAL ANALYSES  
OF STREAM SEDIMENT AND ROCK SAMPLES OF THE  
ANCHORAGE B-6 QUADRANGLE, ALASKA

By

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and nomenclature

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### Introduction

A reconnaissance geologic map and analytical data for 78 stream-sediment samples and 30 rock samples from the Anchorage B-6, 1:63,360-scale quadrangle are presented in this report, together with a statistical treatment of the data. The bedrock was mapped and the samples were collected in 1969 and 1970 as part of a U.S. Geological Survey project in the western Chugach Mountains.

The most comprehensive discussions of the geology of the Anchorage B-6 quadrangle and the surrounding areas are by S. R. Capps (1916 and 1940). More recent work in the northwest part of the quadrangle is summarized by A. W. Rose (1966). Interest in the northwest part of the quadrangle and the adjacent part of the Anchorage B-7 quadrangle was the result of construction of a tunnel and dam as part of a hydroelectric power development program by the City of Anchorage and also the occurrence of chromite associated with the Eklutna ultramafic body. Ernest Dobrovolsky and H. R. Schmoll of the U.S. Geological Survey are currently mapping the surficial deposits of the Anchorage Borough. In this report no attempt was made to differentiate units within the surficial deposits. The contacts between bedrock and surficial deposits in figure 1 and some of the information used in compiling the bedrock geologic map (fig. 1) are from unpublished maps by H. R. Schmoll and E. Dobrovolsky. Allen L. Clark and Ivan Barnes of the U.S. Geological Survey each spent approximately a week helping with mapping and sampling in the Anchorage B-6 and B-7 quadrangles.

### Geologic map

The age assignments and positions of units in figure 1 are based on lithologic similarities with units that are being mapped by the authors in adjacent areas in the western Chugach Mountains. Although little evidence of ages has been found in the Anchorage B-6 quadrangle, extensions of the units in adjacent areas have yielded a few diagnostic fossils and three radiometric age determinations. The age assignments and relations between the major units should be considered tentative at the present time.

Fossils have been identified from the heterogeneous assemblage in one locality (fig. 1) in the Anchorage B-6 quadrangle. The fossils are poorly preserved Radiolaria from a clast in a metaconglomeratic sandstone. Helen P. Foreman of Oberlin College, Oberlin, Ohio (written communication, 1971), reported that the clast contained two recognizable groups of typically Mesozoic Radiolaria: (1) long multi-segmented conical forms, "stichocyrtids," and (2) forms with a large globose terminal segment. She noted that species belonging to both of these groups have been reported from the Triassic through the Cretaceous.

Worm trails and plant fragments were found in the Valdez(?) Group (fig. 1), but were of no use in determining ages. Richard A. Scott of the U.S. Geological Survey reported that no plant microfossils were present in the material from locality 3 (fig. 1).

#### Mineral occurrences

No metal production has been reported from the Anchorage B-6 quadrangle, but several mineral occurrences are known in the area. Most of these are associated with the Eklutna ultramafic body, part of which is exposed in the northwest part of the quadrangle.

Chromite-rich zones are locally common in the ultramafic body. The U.S. Bureau of Mines conducted a program of trenching and drilling on the Highway chromite area and the Pioneer Peak chromite area (fig. 2). The work has been described by Bjorklund and Wright (1948). A. W. Rose (1966) reexamined the two known chromite occurrences and also described a new occurrence from the Twin Peaks area (fig. 2). Other chromite occurrences have been reported from the Eklutna ultramafic body in the Anchorage B-7 quadrangle. A. W. Rose (1966, p. 10) reported the presence of traces of gold and native copper in the ultramafic rocks.

A small kidney of cinnabar in fault gouge was reported by Atherton and Judd (1956) in the tunnel between Eklutna Lake and the Eklutna power plant (fig. 2). According to A. W. Rose (1966, p. 13), several other cinnabar occurrences have been prospected in the Eklutna River drainage, but there is no record of locations or extent.

S. R. Capps (1916, p. 192-193) described several lode gold prospects on quartz veins near the head of Peters Creek. The prospects are located approximately 2-1/2 miles upstream from sample locality 72 (fig. 2).

#### Data on stream sediment and rock samples

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

Rock samples are grab samples from typical and atypical outcrops. They were chosen for analysis to provide data on background or because they were strongly iron stained or contained visible sulfides. Descriptions of analyzed hand specimens are given in Table 1.

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

Rock samples were crushed and split, and one split was pulverized. Stream-sediment samples were dried and sieved. The pulverized splits of the rock samples and the minus 80 mesh fractions of the stream-sediment samples were analyzed for 30 elements by the six-step semiquantitative spectrographic method and for gold and mercury by the atomic absorption method.<sup>1/</sup>

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<sup>1/</sup>Analyses for 30 elements by semiquantitative analysis and for gold and mercury by atomic absorption are given in Tables 2 and 3.

Table 1.--Description of bedrock samples from the Anchorage B-6 quadrangle.  
Sample localities are shown by map number plotted on figure 2.

| <u>Map Number</u> | <u>Sample Description</u>                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1r                | Green metagraywacke with prehnite veinlets.                                                                                                                                                        |
| 2r                | Quartz-calcite vein, 3-5 inches wide, with minor pyrite.                                                                                                                                           |
| 3r                | Quartz vein, about 2 inches wide, and calcareous metagraywacke country rock.                                                                                                                       |
| 4r                | Fine-grained siliceous rock cut by carbonate-quartz veinlets; limonite stained surfaces. From a zone about 30 feet wide near the contact of the ultramafic body with the heterogeneous assemblage. |
| 5r                | Similar to 4r.                                                                                                                                                                                     |
| 6r                | Peridotite.                                                                                                                                                                                        |
| 7r                | Serpentinite                                                                                                                                                                                       |
| 8r                | Partially serpentized dunite.                                                                                                                                                                      |
| 9r                | Pyroxenite.                                                                                                                                                                                        |
| 10r               | Partially serpentized dunite.                                                                                                                                                                      |
| 11r               | Prehnite-pumpellyite bearing, calcareous, green metasandstone.                                                                                                                                     |
| 12r               | Hematitic, coarse-grained metagraywacke.                                                                                                                                                           |
| 13r               | Limonite-stained metagraywacke.                                                                                                                                                                    |
| 14r               | Green metasandstone with minor pyrite.                                                                                                                                                             |
| 15r               | Metagraywacke, limonite stain on fractures.                                                                                                                                                        |
| 16r               | Calcareous metagraywacke with small carbonate-quartz veinlets, limonite stain on fractures.                                                                                                        |
| 17r               | Metagraywacke with small limonite-stained carbonate-quartz veinlets.                                                                                                                               |
| 18r               | Calcareous, hematitic graywacke (red weathering).                                                                                                                                                  |
| 19r               | Pumpellyite-bearing hematitic metabasalt, from metamorphosed pillow lava.                                                                                                                          |
| 20r               | Metagraywacke.                                                                                                                                                                                     |
| 21r               | Limonite-stained metasandstone.                                                                                                                                                                    |
| 22r               | Strongly sheared argillite and metagraywacke.                                                                                                                                                      |
| 23r               | Pink felsic dike rock, limonite stained with quartz veinlets.                                                                                                                                      |
| 24r               | Same as 23r.                                                                                                                                                                                       |
| 25r               | Siltite with carbonate-quartz veinlets.                                                                                                                                                            |
| 26r               | Limonite-stained calcareous graywacke.                                                                                                                                                             |
| 27r               | Pyrrhotite-rich hornfelsed graywacke, limonite stained.                                                                                                                                            |
| 28r               | Greenstone (metabasalt?); associated with layered chert.                                                                                                                                           |
| 29r               | Massive, orange-weathering metagraywacke.                                                                                                                                                          |
| 30r               | Prehnite-pumpellyite bearing, green arkosic metasandstone.                                                                                                                                         |

The spectrographic analyses were reported in percentage (pct) or parts per million (ppm) to the nearest number in the series 1.0, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1, etc. The precision of a reported value is approximately plus 100 percent or minus 50 percent. Analyses for gold by the atomic absorption method are accurate to  $\pm 100$  percent. Minimum limits of determination for each element are given on page 5. Semiquantitative spectrographic analyses were done by K. J. Curry, and atomic absorption analyses were done by R. B. Tripp, H. D. King, R. L. Miller, A. L. Meier, and D. G. Murrey.

Locations of the rock and stream-sediment samples are shown on figure 2.

The results of the analyses of the stream-sediment and rock analyses have been processed by means of a computer program known as GEOSUM and are presented in Tables 2 and 3. The GEOSUM program is designed primarily for summarizing and tabulating geochemical data--especially data from semiquantitative spectrographic analyses (commonly referred to as six-step spectrographic analyses) by the laboratories of the U.S. Geological Survey. The computer output consists of: (a) a tabulation of the data, (b) histograms and cumulative frequency distributions for all elements for which there is sufficient data, (c) a statistical summary which includes geometric means and geometric deviations.<sup>1/</sup>

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<sup>1/</sup> The frequency tables and histograms for gold and mercury have been omitted because the classes used in calculating these tables are those used in the semiquantitative spectrographic method, and gold and mercury were analyzed by the quantitative atomic absorption method. The frequency tables and histograms that contain no valid data points and those for which the minimum and maximum are the same have also been omitted.

# Explanation of Tables 2 and 3

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

## Specified limits of detection

|                      |                      |          |          |           |          |
|----------------------|----------------------|----------|----------|-----------|----------|
| FE PCT               | MG PCT               | CA PCT   | TI PCT   | MN PPM    | AG PPM   |
| 0.05000              | 0.02000              | 0.05000  | 0.00200  | 10.00000  | 0.5000   |
| AS PPM               | AU PPM               | B PPM    | BA PPM   | BE PPM    | BI PPM   |
| 200.00               | 10.00000             | 10.00000 | 20.00000 | 1.00000   | 10.00000 |
| CD PPM               | CO PPM               | CR PPM   | CU PPM   | LA PPM    | MO PPM   |
| 20.00000             | 5.00000              | 5.00000  | 5.00000  | 20.00000  | 5.00000  |
| NB PPM               | NI PPM               | PB PPM   | SB PPM   | SC PPM    | SN PPM   |
| 10.00000             | 5.00000              | 10.00000 | 100.000  | 5.00000   | 10.00000 |
| SR PPM               | V PPM                | W PPM    | Y PPM    | ZN PPM    | ZR PPM   |
| 100.00000            | 10.00000             | 50.00000 | 10.00000 | 200.00000 | 10.00000 |
| AU PPM <sup>1/</sup> | HG PPM <sup>1/</sup> |          |          |           |          |
| 0.02000              | 0.01000              |          |          |           |          |

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

| Reported value (ppm) | Limits |      |
|----------------------|--------|------|
| 1.0                  | .83    | 1.2  |
| 1.5                  | 1.2    | 1.8  |
| 2.0                  | 1.8    | 2.6  |
| 3.0                  | 2.6    | 3.8  |
| 5.0                  | 3.8    | 5.6  |
| 7.0                  | 5.6    | 8.3  |
| 10.0                 | 8.3    | 12.0 |

<sup>1/</sup> Analyses by atomic absorption method.

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

7.0E-01 means  $7.0 \times 10^{-1}$  or 0.7

7.0E 00 means  $7.0 \times 10^0$  or 7.0

7.0E 01 means  $7.0 \times 10^1$  or 70.0

7.0E 02 means  $7.0 \times 10^2$  or 700.0

7.0E 03 means  $7.0 \times 10^3$  or 7,000.0

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

The histograms and the statistics given below them are derived only from data values within the ranges of analytical determination ("analytical values"). The histograms are, therefore, incomplete, and the statistics are biased if data values qualified with N, L, C, T, or H codes are present. Statistical estimates that are unbiased in this regard are given at the end of Tables 2 and 3. The geometric mean is the antilogarithm of the arithmetic mean of the logs of the analyses and an estimate of "central tendency," or of a characteristic value, of a frequency distribution that is approximately symmetrical on a log scale, and is therefore useful for characterizing many geochemical distributions. The geometric mean is not an estimate of geochemical abundance. The geometric deviation is the antilogarithm of the standard deviation of the logs of the analyses. See USGS Professional Paper 574-B (Miesch, 1967) for further discussion and USGS Bulletin 1147E (Miesch, 1963, p. 20-23), for further discussion and explanation of geometric deviation.

In the computations performed to produce the statistical summary at the end of Tables 2 and 3 all elements are ignored where one or more of the unqualified data values is less than the analytical limit of detection specified on input or where any data values are qualified with the G (greater than) code. Data values qualified with B or H are not used in the computations. Where none of the data values for an element are qualified the mean and deviation should be the same as those given in the preceding section. Where data are qualified with the codes N, L, or T, the estimates of geometric mean and deviation are based on a method by A. J. Cohen for treating censored distributions. The application of this method of geochemical problems is described in USGS Professional Paper 574-B (Miesch, 1967). The estimates are unbiased in a strict sense only where the data are derived from a lognormal parent population, but experiments have shown that large departures from this requirement may not greatly invalidate the results. Acceptance and use of the estimates, however, is the responsibility of the individual.

### Anomalous areas

The stream-sediment sampling revealed a few weak anomalies, but no strongly anomalous areas. The most interesting area is the headwaters of Thunder Bird Creek. Slightly anomalous amounts of copper, gold, molybdenum, and mercury were detected in several of the stream-sediment samples. The occurrence of these samples in streams draining the area of the felsic to intermediate dike swarm and several localities with orange to rusty weathering suggests that further work in the area might be warranted. In the drainages northeast of Lake Eklutna, zinc values of 200 to 300 ppm were detected in several of the streams draining a fairly large area. Weakly anomalous amounts of copper, mercury, lead, and zinc were found near the headwaters of two of these streams. Copper, lead, and zinc were weakly anomalous in sediments from Goat Creek, which drains approximately the same area from the northwest. No reason for the slightly anomalous concentrations of these metals is known. Rock samples from the Eklutna ultramafic body contained predictably high concentrations of chromium, nickel, magnesium, and cobalt. The highest concentrations of mercury were found in samples 4 and 13, both of which were collected a short distance upstream from the ultramafic body. A few other anomalous values are given in Tables 2 and 3 for single samples or for several samples collected near each other. The significance of these anomalous values is not known.

#### References cited

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TABLE 2.  
ANCHORAGE B-6 STREAM SEDIMENT

| MAP NO. | SAMPLE NO. | FE PCT  | MG PCT | CA PCT | TI PCT | MN PPM    | AG PPM  | AS PPM    | AU PPM   | B PPM    | BA PPM    |
|---------|------------|---------|--------|--------|--------|-----------|---------|-----------|----------|----------|-----------|
|         | 1 HAN289   | 7.0000  | 1.5000 | 1.0000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 300.0000  |
|         | 2 HAN284   | 10.0000 | 1.5000 | 1.0000 | 0.7000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 300.0000  |
|         | 3 AKC551   | 5.0000  | 1.5000 | 1.5000 | 0.7000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 700.0000  |
|         | 4 BAJ102   | 7.0000  | 1.5000 | 1.5000 | 0.3000 | 3000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 700.0000  |
|         | 5 BAJ148   | 10.0000 | 2.0000 | 0.5000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 200.0000 | 700.0000  |
|         | 6 BAJ147   | 15.0000 | 2.0000 | 0.3000 | 0.7000 | 2000.0000 | 0.5000N | 200.0000N | 10.0000N | 300.0000 | 700.0000  |
|         | 7 HAJ146   | 10.0000 | 2.0000 | 0.3000 | 0.7000 | 2000.0000 | 0.5000N | 200.0000N | 10.0000N | 300.0000 | 700.0000  |
|         | 8 HAJ145   | 10.0000 | 1.5000 | 0.3000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 200.0000 | 700.0000  |
|         | 9 BAJ144   | 10.0000 | 1.5000 | 1.5000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 200.0000 | 700.0000  |
|         | 10 BAJ143  | 15.0000 | 1.5000 | 0.3000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
|         | 11 BAJ142  | 10.0000 | 1.5000 | 0.3000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
|         | 12 AKC584  | 5.0000  | 1.5000 | 1.0000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 700.0000  |
|         | 13 BAJ103  | 7.0000  | 1.0000 | 0.3000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 300.0000  |
|         | 14 BAJ104  | 7.0000  | 1.0000 | 0.3000 | 0.3000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 300.0000  |
|         | 15 BAJ105  | 10.0000 | 1.5000 | 0.3000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 700.0000  |
|         | 16 AKC583  | 5.0000  | 1.5000 | 1.5000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 500.0000  |
|         | 17 AKC576  | 10.0000 | 1.5000 | 0.7000 | 0.7000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 1000.0000 |
|         | 18 BAN280  | 7.0000  | 1.5000 | 1.5000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 300.0000  |
|         | 19 AKC577  | 10.0000 | 1.5000 | 0.7000 | 0.7000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 700.0000  |
|         | 20 BAN271  | 7.0000  | 1.5000 | 0.7000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 300.0000  |
|         | 21 AKC578  | 10.0000 | 1.5000 | 0.7000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 700.0000  |
|         | 22 BAN272  | 7.0000  | 1.5000 | 7.0000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 300.0000  |
|         | 23 BAN273  | 10.0000 | 1.5000 | 1.0000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 300.0000  |
|         | 24 AKC579  | 7.0000  | 1.5000 | 1.0000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 700.0000  |
|         | 25 HAN255  | 10.0000 | 2.0000 | 1.0000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 300.0000  |
|         | 26 BAN274  | 7.0000  | 1.5000 | 1.5000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 300.0000  |
|         | 27 AKC580  | 10.0000 | 1.5000 | 0.7000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
|         | 28 BAN275  | 10.0000 | 2.0000 | 3.0000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 500.0000  |
|         | 29 BAN276  | 10.0000 | 1.5000 | 0.5000 | 0.7000 | 1500.0000 | 0.5000L | 200.0000N | 10.0000N | 150.0000 | 500.0000  |
|         | 30 BAN277  | 10.0000 | 1.5000 | 1.5000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 300.0000  |
|         | 31 AKC581  | 10.0000 | 2.0000 | 2.0000 | 0.7000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 50.0000  | 500.0000  |
|         | 32 BAN278  | 10.0000 | 1.5000 | 1.0000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 300.0000  |
|         | 33 AKC582  | 5.0000  | 2.0000 | 2.0000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 50.0000  | 300.0000  |
|         | 34 BAN279  | 10.0000 | 1.0000 | 0.7000 | 0.7000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 500.0000  |
|         | 35 AKC539  | 7.0000  | 1.5000 | 0.7000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 30.0000  | 500.0000  |
|         | 36 HAJ133  | 10.0000 | 1.5000 | 1.0000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 700.0000  |
|         | 37 AKC538  | 5.0000  | 1.5000 | 0.5000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 50.0000  | 500.0000  |
|         | 38 BAJ135  | 7.0000  | 2.0000 | 0.7000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 500.0000  |
|         | 39 BAJ141  | 15.0000 | 1.5000 | 0.3000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
|         | 40 BAJ140  | 10.0000 | 2.0000 | 0.5000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
|         | 41 BAN256  | 10.0000 | 3.0000 | 1.0000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 500.0000  |
|         | 42 BAJ123  | 7.0000  | 1.5000 | 0.5000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 200.0000 | 700.0000  |
|         | 43 HAJ122  | 10.0000 | 1.5000 | 0.5000 | 0.7000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 200.0000 | 700.0000  |
|         | 44 HAJ106  | 7.0000  | 1.5000 | 0.7000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 300.0000  |
|         | 45 BAJ107  | 7.0000  | 1.0000 | 0.3000 | 0.3000 | 700.0000  | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 300.0000  |
|         | 46 BAJ108  | 10.0000 | 1.5000 | 0.3000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
|         | 47 BAJ109  | 7.0000  | 1.0000 | 0.7000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
|         | 48 BAJ110  | 10.0000 | 1.5000 | 0.5000 | 0.5000 | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 500.0000  |
|         | 49 BAJ117  | 10.0000 | 1.5000 | 0.5000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 500.0000  |
|         | 50 BAJ118  | 7.0000  | 1.5000 | 0.5000 | 0.5000 | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 200.0000 | 700.0000  |

TABLE 2.  
ANCHORAGE B-6, STREAM SEDIMENT

| MAP<br>NO. | SAMPLE | BE PPM  | BI PPM   | CD PPM   | CO PPM  | CR PPM   | CU PPM   | LA PPM   | MD PPM  | NB PPM   | NI PPM   |
|------------|--------|---------|----------|----------|---------|----------|----------|----------|---------|----------|----------|
| 1          | BAN289 | 1.0000L | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 50.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 2          | BAN284 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 3          | AKC551 | 1.0000L | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 30.0000  | 20.0000L | 5.0000L | 10.0000  | 70.0000  |
| 4          | BAJ102 | 1.5000  | 10.0000N | 20.0000N | 50.0000 | 150.0000 | 200.0000 | 20.0000  | 5.0000  | 10.0000  | 150.0000 |
| 5          | BAJ148 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000L | 10.0000  | 100.0000 |
| 6          | BAJ147 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 300.0000 | 150.0000 | 30.0000  | 5.0000L | 10.0000  | 150.0000 |
| 7          | BAJ146 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 300.0000 | 150.0000 | 30.0000  | 5.0000L | 10.0000  | 150.0000 |
| 8          | BAJ145 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 200.0000 | 150.0000 | 30.0000  | 5.0000L | 10.0000  | 100.0000 |
| 9          | BAJ144 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 300.0000 | 100.0000 | 20.0000  | 5.0000L | 10.0000  | 150.0000 |
| 10         | BAJ143 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 300.0000 | 100.0000 | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 11         | BAJ142 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 150.0000 | 20.0000N | 5.0000L | 10.0000  | 100.0000 |
| 12         | AKC584 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 30.0000  | 20.0000L | 5.0000N | 15.0000  | 50.0000  |
| 13         | BAJ103 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000L | 5.0000N | 10.0000L | 100.0000 |
| 14         | BAJ104 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 30.0000  | 5.0000L | 10.0000  | 100.0000 |
| 15         | BAJ105 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 30.0000  | 5.0000L | 10.0000  | 100.0000 |
| 16         | AKC583 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 70.0000  | 20.0000  | 20.0000L | 5.0000L | 15.0000  | 30.0000  |
| 17         | AKC576 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000L | 15.0000  | 70.0000  |
| 18         | BAN280 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 19         | AKC577 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000L | 5.0000L | 15.0000  | 70.0000  |
| 20         | BAN271 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 21         | AKC578 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000  | 5.0000L | 15.0000  | 70.0000  |
| 22         | BAN272 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 23         | BAN273 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 24         | AKC579 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 70.0000  | 20.0000L | 5.0000N | 15.0000  | 70.0000  |
| 25         | BAN255 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 50.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 26         | BAN274 | 1.0000L | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 50.0000  |
| 27         | AKC580 | 2.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000L | 5.0000L | 15.0000  | 100.0000 |
| 28         | BAN275 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 29         | BAN276 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000N | 5.0000L | 10.0000  | 100.0000 |
| 30         | BAN277 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 100.0000 |
| 31         | AKC581 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 30.0000  | 20.0000L | 5.0000L | 15.0000  | 30.0000  |
| 32         | BAN278 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 33         | AKC582 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 30.0000  | 20.0000N | 5.0000L | 10.0000  | 30.0000  |
| 34         | BAN279 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 100.0000 |
| 35         | AKC539 | 1.0000L | 10.0000N | 20.0000N | 15.0000 | 150.0000 | 20.0000  | 20.0000N | 5.0000L | 10.0000  | 50.0000  |
| 36         | BAJ133 | 1.0000L | 10.0000N | 20.0000N | 20.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000N | 10.0000  | 70.0000  |
| 37         | AKC538 | 1.0000L | 10.0000N | 20.0000N | 15.0000 | 150.0000 | 30.0000  | 20.0000N | 5.0000L | 10.0000L | 70.0000  |
| 38         | BAJ135 | 1.0000L | 10.0000N | 20.0000N | 20.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000N | 10.0000  | 100.0000 |
| 39         | BAJ141 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 200.0000 | 150.0000 | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 40         | BAJ140 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000N | 10.0000  | 150.0000 |
| 41         | BAN256 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 42         | BAJ123 | 2.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000L | 10.0000  | 100.0000 |
| 43         | BAJ122 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 44         | BAJ106 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000L | 5.0000L | 10.0000L | 100.0000 |
| 45         | BAJ107 | 1.0000  | 10.0000N | 20.0000N | 20.0000 | 200.0000 | 70.0000  | 20.0000N | 5.0000N | 10.0000L | 100.0000 |
| 46         | BAJ108 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 150.0000 | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 47         | BAJ109 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 150.0000 | 30.0000  | 5.0000L | 10.0000  | 150.0000 |
| 48         | BAJ110 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 200.0000 | 30.0000  | 5.0000L | 10.0000  | 150.0000 |
| 49         | BAJ117 | 1.0000  | 10.0000N | 20.0000N | 50.0000 | 200.0000 | 100.0000 | 20.0000L | 5.0000  | 10.0000  | 150.0000 |
| 50         | BAJ118 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000L | 5.0000L | 10.0000  | 100.0000 |

TABLE 2.  
ANCHORAGE B-6, STREAM SEDIMENT

| MAP NO. | SAMPLE NO. | PB PPM   | SB PPM    | SC PPM  | SN PPM   | SR PPM   | V PPM    | W PPM    | Y PPM   | ZN PPM    | ZR PPM   |
|---------|------------|----------|-----------|---------|----------|----------|----------|----------|---------|-----------|----------|
|         | 1          | 15.0000  | 100.0000N | 20.0000 | 10.0000N | 300.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 2          | 15.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 300.0000 |
|         | 3          | 10.0000  | 100.0000N | 20.0000 | 10.0000N | 300.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
|         | 4          | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 100.0000 |
|         | 5          | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 150.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 6          | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 100.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 300.0000 |
|         | 7          | 70.0000  | 100.0000N | 30.0000 | 10.0000N | 100.0000 | 300.0000 | 50.0000N | 50.0000 | 200.0000N | 200.0000 |
|         | 8          | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 100.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 9          | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 10         | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 150.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 11         | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 100.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 12         | 15.0000  | 100.0000N | 15.0000 | 10.0000N | 300.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 100.0000 |
|         | 13         | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
|         | 14         | 15.0000  | 100.0000N | 20.0000 | 10.0000N | 200.0000 | 200.0000 | 50.0000N | 15.0000 | 200.0000N | 150.0000 |
|         | 15         | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 200.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 16         | 10.0000  | 100.0000N | 15.0000 | 10.0000N | 300.0000 | 200.0000 | 50.0000N | 15.0000 | 200.0000N | 150.0000 |
|         | 17         | 20.0000  | 100.0000N | 20.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 100.0000 |
|         | 18         | 20.0000  | 100.0000N | 20.0000 | 10.0000N | 300.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 19         | 30.0000  | 100.0000N | 20.0000 | 10.0000N | 200.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 20         | 15.0000  | 100.0000N | 15.0000 | 10.0000N | 300.0000 | 200.0000 | 50.0000N | 15.0000 | 200.0000N | 150.0000 |
|         | 21         | 20.0000  | 100.0000N | 20.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
|         | 22         | 30.0000  | 100.0000N | 20.0000 | 10.0000N | 300.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 23         | 30.0000  | 100.0000N | 20.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
|         | 24         | 20.0000  | 100.0000N | 15.0000 | 10.0000N | 200.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 100.0000 |
|         | 25         | 20.0000  | 100.0000N | 20.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
|         | 26         | 20.0000  | 100.0000N | 20.0000 | 10.0000N | 500.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 27         | 30.0000  | 100.0000N | 20.0000 | 10.0000N | 100.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 300.0000 |
|         | 28         | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 29         | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 30         | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 150.0000 |
|         | 31         | 15.0000  | 100.0000N | 30.0000 | 10.0000N | 500.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 32         | 20.0000  | 100.0000N | 20.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 33         | 15.0000  | 100.0000N | 20.0000 | 10.0000N | 500.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 100.0000 |
|         | 34         | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
|         | 35         | 10.0000L | 100.0000N | 15.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 15.0000 | 200.0000N | 100.0000 |
|         | 36         | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
|         | 37         | 10.0000L | 100.0000N | 15.0000 | 10.0000N | 150.0000 | 200.0000 | 50.0000N | 15.0000 | 200.0000N | 100.0000 |
|         | 38         | 15.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
|         | 39         | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 100.0000 | 300.0000 | 50.0000N | 50.0000 | 200.0000N | 300.0000 |
|         | 40         | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 100.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
|         | 41         | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
|         | 42         | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 43         | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 44         | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 200.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 45         | 15.0000  | 100.0000N | 20.0000 | 10.0000N | 150.0000 | 200.0000 | 50.0000N | 15.0000 | 200.0000N | 200.0000 |
|         | 46         | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 47         | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 48         | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 49         | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 150.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |
|         | 50         | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 300.0000 |

TABLE 2.  
ANCHORAGE B-6, STREAM SEDIMENT

| NO. | SAMPLE | AU PPM* | HG PPM* |
|-----|--------|---------|---------|
| 1   | BAN289 | 0.0200L | 0.26    |
| 2   | BAN284 | 0.0200L | 0.05    |
| 3   | AKC551 | 0.0200L | 0.12    |
| 4   | BAJ102 | 0.0400L | 3.00    |
| 5   | BAJ148 | 0.0200L | 0.28    |
| 6   | BAJ147 | 0.0200L | 0.50    |
| 7   | BAJ146 | 0.0200L | 0.50    |
| 8   | BAJ145 | 0.0200L | 0.40    |
| 9   | BAJ144 | 0.0400L | 0.35    |
| 10  | BAJ143 | 0.0200L | 0.45    |
| 11  | BAJ142 | 0.0200L | 0.80    |
| 12  | AKC584 | 0.0200L | 0.22    |
| 13  | BAJ103 | 0.0200L | 1.10    |
| 14  | BAJ104 | 0.0200L | 0.70    |
| 15  | BAJ105 | 0.0400L | 0.60    |
| 16  | AKC583 | 0.0200L | 0.35    |
| 17  | AKC576 | 0.0200L | 0.30    |
| 18  | BAN280 | 0.0200L | 0.16    |
| 19  | AKC577 | 0.0200L | 0.22    |
| 20  | BAN271 | 0.0200L | 0.18    |
| 21  | AKC578 | 0.0200L | 0.26    |
| 22  | BAN272 | 0.0200L | 0.18    |
| 23  | BAN273 | 0.0200L | 0.22    |
| 24  | AKC579 | 0.0200L | 0.20    |
| 25  | BAN255 | 0.0200L | 0.20    |
| 26  | BAN274 | 0.0200L | 0.18    |
| 27  | AKC580 | 0.0200L | 0.65    |
| 28  | BAN275 | 0.0200L | 0.50    |
| 29  | BAN276 | 0.0200L | 0.26    |
| 30  | BAN277 | 0.0200L | 0.50    |
| 31  | AKC581 | 0.0200L | 0.22    |
| 32  | BAN278 | 0.0200L | 0.24    |
| 33  | AKC582 | 0.0200L | 0.15    |
| 34  | BAN279 | 0.0200L | 0.35    |
| 35  | AKC539 | 0.0200L | 0.23    |
| 36  | BAJ133 | 0.0200L | 0.45    |
| 37  | AKC538 | 0.0200L | 0.26    |
| 38  | BAJ135 | 0.0200L | 0.30    |
| 39  | BAJ141 | 0.0200L | 1.00    |
| 40  | BAJ140 | 0.0200L | 0.55    |
| 41  | BAN256 | 0.0200L | 0.40    |
| 42  | BAJ123 | 0.0400L | 0.45    |
| 43  | BAJ122 | 0.0200L | 0.40    |
| 44  | BAJ106 | 0.0200L | 0.55    |
| 45  | BAJ107 | 0.0200L | 0.75    |
| 46  | BAJ108 | 0.0600  | 1.50    |
| 47  | BAJ109 | 0.0400L | 1.1     |
| 48  | BAJ110 | 0.0200L | 0.45    |
| 49  | BAJ117 | 0.0200L | 0.80    |
| 50  | BAJ118 | 0.0200L | 0.60    |

\* Atomic absorption  
analyses.

TABLE 2.  
ANCHORAGE B-6, STREAM SEDIMENT

| MAP NO. | SAMPLE | FE PCT  | MG PCT | CA PCT | TI PCT  | MN PPM    | AG PPM  | AS PPM    | AU PPM   | B PPM    | BA PPM    |
|---------|--------|---------|--------|--------|---------|-----------|---------|-----------|----------|----------|-----------|
| 51      | BAJ119 | 7.0000  | 1.5000 | 1.0000 | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 52      | BAJ120 | 7.0000  | 1.5000 | 0.7000 | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 53      | BAJ121 | 7.0000  | 1.5000 | 0.5000 | 0.5000  | 700.0000  | 0.5000N | 200.0000N | 10.0000N | 200.0000 | 500.0000  |
| 54      | BAJ113 | 7.0000  | 1.5000 | 0.3000 | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 55      | BAJ112 | 7.0000  | 1.0000 | 0.5000 | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 200.0000 | 700.0000  |
| 56      | BAJ111 | 10.0000 | 1.5000 | 0.5000 | 0.7000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 57      | BAJ115 | 10.0000 | 1.5000 | 0.3000 | 0.7000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 58      | BAJ116 | 10.0000 | 1.5000 | 0.5000 | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 200.0000 | 700.0000  |
| 59      | BAJ114 | 10.0000 | 1.5000 | 0.5000 | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 60      | BAJ124 | 10.0000 | 2.0000 | 1.5000 | 0.7000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 500.0000  |
| 61      | BAJ125 | 15.0000 | 1.5000 | 0.3000 | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 700.0000  |
| 62      | BAN116 | 10.0000 | 3.0000 | 3.0000 | 1.0000G | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 700.0000  |
| 63      | BAJ126 | 10.0000 | 1.5000 | 0.3000 | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 700.0000  |
| 64      | BAJ127 | 10.0000 | 2.0000 | 2.0000 | 0.7000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 500.0000  |
| 65      | BAJ130 | 10.0000 | 2.0000 | 0.3000 | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 66      | BAN105 | 15.0000 | 2.0000 | 0.7000 | 1.0000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 700.0000  |
| 67      | BAJ128 | 10.0000 | 3.0000 | 1.5000 | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 500.0000  |
| 68      | BAJ129 | 7.0000  | 2.0000 | 2.0000 | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 300.0000  |
| 69      | BAN106 | 10.0000 | 2.0000 | 1.5000 | 0.7000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 500.0000  |
| 70      | BAN107 | 10.0000 | 3.0000 | 2.0000 | 1.0000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000  | 500.0000  |
| 71      | BAJ132 | 10.0000 | 2.0000 | 2.0000 | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 72      | BAJ131 | 10.0000 | 3.0000 | 2.0000 | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 50.0000  | 700.0000  |
| 73      | BAJ134 | 7.0000  | 2.0000 | 1.5000 | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 700.0000  |
| 74      | AKC537 | 3.0000  | 1.5000 | 1.0000 | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 30.0000  | 300.0000  |
| 75      | BAJ136 | 10.0000 | 3.0000 | 0.7000 | 0.7000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 76      | BAJ138 | 15.0000 | 3.0000 | 3.0000 | 1.0000  | 2000.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000 | 500.0000  |
| 77      | BAJ137 | 10.0000 | 3.0000 | 0.5000 | 0.7000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 700.0000  |
| 78      | BAJ139 | 10.0000 | 3.0000 | 1.0000 | 0.7000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000 | 1000.0000 |

TABLE 2.  
ANCHORAGE B-6, STREAM SEDIMENT

| MAP<br>NO. | SAMPLE | BE PPM  | BI PPM   | CD PPM   | CO PPM  | CR PPM   | CU PPM   | LA PPM   | MD PPM  | NB PPM   | NI PPM   |
|------------|--------|---------|----------|----------|---------|----------|----------|----------|---------|----------|----------|
| 51         | BAJ119 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 100.0000 |
| 52         | BAJ120 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000N | 5.0000N | 10.0000  | 100.0000 |
| 53         | BAJ121 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 54         | BAJ113 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000L | 5.0000L | 10.0000L | 150.0000 |
| 55         | BAJ112 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 56         | BAJ111 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 150.0000 | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 57         | BAJ115 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 200.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 150.0000 |
| 58         | BAJ116 | 2.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 59         | BAJ114 | 1.5000  | 10.0000N | 20.0000N | 50.0000 | 150.0000 | 150.0000 | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 60         | BAJ124 | 1.0000  | 10.0000N | 20.0000N | 20.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000  |
| 61         | BAJ125 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 200.0000 | 100.0000 | 20.0000L | 5.0000L | 10.0000L | 150.0000 |
| 62         | BAN116 | 1.0000L | 10.0000N | 20.0000N | 20.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000N | 10.0000L | 70.0000  |
| 63         | BAJ126 | 1.5000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000L | 10.0000L | 100.0000 |
| 64         | BAJ127 | 1.0000L | 10.0000N | 20.0000N | 20.0000 | 100.0000 | 70.0000  | 20.0000L | 5.0000N | 10.0000L | 70.0000  |
| 65         | BAJ130 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000L | 10.0000  | 150.0000 |
| 66         | BAN105 | 1.0000L | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000L | 5.0000  | 10.0000  | 150.0000 |
| 67         | BAJ128 | 1.0000L | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000L | 100.0000 |
| 68         | BAJ129 | 1.0000L | 10.0000N | 20.0000N | 20.0000 | 100.0000 | 70.0000  | 20.0000N | 5.0000N | 10.0000L | 70.0000  |
| 69         | BAN106 | 1.0000L | 10.0000N | 20.0000N | 30.0000 | 200.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000L | 70.0000  |
| 70         | BAN107 | 1.0000L | 10.0000N | 20.0000N | 30.0000 | 100.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000L | 70.0000  |
| 71         | BAJ132 | 1.0000L | 10.0000N | 20.0000N | 30.0000 | 150.0000 | 100.0000 | 20.0000N | 5.0000N | 10.0000  | 70.0000  |
| 72         | BAJ131 | 1.0000L | 10.0000N | 20.0000N | 20.0000 | 70.0000  | 70.0000  | 20.0000N | 5.0000N | 10.0000  | 50.0000  |
| 73         | BAJ134 | 1.0000L | 10.0000N | 20.0000N | 20.0000 | 150.0000 | 100.0000 | 20.0000N | 5.0000N | 10.0000  | 70.0000  |
| 74         | AKC537 | 1.0000N | 10.0000N | 20.0000N | 15.0000 | 150.0000 | 15.0000  | 20.0000N | 5.0000L | 10.0000L | 30.0000  |
| 75         | BAJ136 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 200.0000 | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 150.0000 |
| 76         | BAJ138 | 1.0000L | 10.0000N | 20.0000N | 30.0000 | 300.0000 | 150.0000 | 20.0000N | 5.0000N | 10.0000  | 100.0000 |
| 77         | BAJ137 | 1.0000  | 10.0000N | 20.0000N | 20.0000 | 150.0000 | 70.0000  | 20.0000N | 5.0000N | 10.0000  | 100.0000 |
| 78         | BAJ139 | 1.0000  | 10.0000N | 20.0000N | 30.0000 | 200.0000 | 100.0000 | 20.0000N | 5.0000N | 10.0000  | 100.0000 |

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TABLE 2  
ANCHORAGE B-6, STREAM SEDIMENT

| MAP NO. | SAMPLE | PB PPM   | SB PPM    | SC PPM  | SN PPM   | SR PPM   | V PPM    | W PPM    | Y PPM   | ZN PPM    | ZR PPM   |
|---------|--------|----------|-----------|---------|----------|----------|----------|----------|---------|-----------|----------|
| 51      | BAJ119 | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000L | 150.0000 |
| 52      | BAJ120 | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000L | 150.0000 |
| 53      | BAJ121 | 15.0000  | 100.0000N | 20.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000L | 200.0000 |
| 54      | BAJ113 | 15.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000L | 200.0000 |
| 55      | BAJ112 | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000L | 300.0000 |
| 56      | BAJ111 | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000L | 300.0000 |
| 57      | BAJ115 | 15.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000L | 300.0000 |
| 58      | BAJ116 | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000L | 200.0000 |
| 59      | BAJ114 | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000L | 200.0000 |
| 60      | BAJ124 | 15.0000  | 100.0000N | 30.0000 | 10.0000N | 700.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
| 61      | BAJ125 | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000L | 200.0000 |
| 62      | BAN116 | 15.0000  | 100.0000N | 30.0000 | 10.0000N | 700.0000 | 500.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
| 63      | BAJ126 | 30.0000  | 100.0000N | 20.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000L | 200.0000 |
| 64      | BAJ127 | 10.0000  | 100.0000N | 30.0000 | 10.0000N | 700.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
| 65      | BAJ130 | 50.0000  | 100.0000N | 30.0000 | 10.0000N | 100.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000L | 200.0000 |
| 66      | BAN105 | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
| 67      | BAJ128 | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 500.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000L | 150.0000 |
| 68      | BAJ129 | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 700.0000 | 200.0000 | 50.0000N | 15.0000 | 200.0000N | 150.0000 |
| 69      | HAN106 | 20.0000  | 100.0000N | 20.0000 | 10.0000N | 300.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 200.0000 |
| 70      | BAN107 | 15.0000  | 100.0000N | 30.0000 | 10.0000N | 700.0000 | 300.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
| 71      | BAJ132 | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 300.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000L | 150.0000 |
| 72      | BAJ131 | 10.0000  | 100.0000N | 30.0000 | 10.0000N | 700.0000 | 200.0000 | 50.0000N | 15.0000 | 200.0000N | 150.0000 |
| 73      | BAJ134 | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 500.0000 | 200.0000 | 50.0000N | 15.0000 | 200.0000N | 100.0000 |
| 74      | AKC537 | 10.0000N | 100.0000N | 15.0000 | 10.0000N | 150.0000 | 150.0000 | 50.0000N | 10.0000 | 200.0000N | 100.0000 |
| 75      | BAJ136 | 30.0000  | 100.0000N | 30.0000 | 10.0000N | 150.0000 | 200.0000 | 50.0000N | 20.0000 | 200.0000N | 150.0000 |
| 76      | BAJ138 | 15.0000  | 100.0000N | 50.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 50.0000 | 200.0000L | 200.0000 |
| 77      | BAJ137 | 10.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 150.0000 |
| 78      | BAJ139 | 20.0000  | 100.0000N | 30.0000 | 10.0000N | 200.0000 | 300.0000 | 50.0000N | 30.0000 | 200.0000N | 200.0000 |

TABLE 2.  
ANCHORAGE B-6, STREAM SEDIMENT

| MAP NO. | SAMPLE NO. | AU PPM* | HG PPM* |
|---------|------------|---------|---------|
| 51      | BAJ119     | 0.0200L | 0.65    |
| 52      | BAJ120     | 0.0200L | 0.55    |
| 53      | BAJ121     | 0.0400L | 0.40    |
| 54      | BAJ113     | 0.0200L | 0.22    |
| 55      | BAJ112     | 0.0200L | 0.40    |
| 56      | BAJ111     | 0.0200L | 0.35    |
| 57      | BAJ115     | 0.0200L | 0.26    |
| 58      | BAJ116     | 0.0200L | 1.0     |
| 59      | BAJ114     | 0.0200L | 0.35    |
| 60      | BAJ124     | 0.0200L | 0.26    |
| 61      | BAJ125     | 0.1000  | 0.35    |
| 62      | BAN116     | 0.0200L | 0.10    |
| 63      | BAJ126     | 0.0400L | 0.90    |
| 64      | BAJ127     | 0.0200L | 0.20    |
| 65      | BAJ130     | 0.0200L | 0.35    |
| 66      | BAN105     | 0.0200L | 0.20    |
| 67      | BAJ128     | 0.1000L | 0.80    |
| 68      | BAJ129     | 0.0200L | 0.22    |
| 69      | BAN106     | 0.0200L | 0.13    |
| 70      | BAN107     | 0.0200L | 0.14    |
| 71      | BAJ132     | 0.0200L | 0.30    |
| 72      | BAJ131     | 0.0200L | 0.35    |
| 73      | BAJ134     | 0.0200L | 0.75    |
| 74      | AKC537     | 0.0200L | 0.26    |
| 75      | BAJ136     | 0.0200L | 0.45    |
| 76      | BAJ138     | 0.0200L | 0.15    |
| 77      | BAJ137     | 0.0200L | 0.40    |
| 78      | BAJ139     | 0.0200L | 0.30    |

\*Atomic absorption  
analyses.

## TITLE

ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 1 ( FE PCT )

| LIMITS  |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------|---------|------|----------|--------------|------------------|
| LOWER   | UPPER   |      |          |              |                  |
| 3.8E-02 | 5.6E-02 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-02 | 8.3E-02 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-02 | 1.2E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E-01 | 1.8E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.8E-01 | 2.6E-01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E-01 | 3.8E-01 | 0    | 0        | 0.0          | 0.0              |
| 3.8E-01 | 5.6E-01 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-01 | 8.3E-01 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-01 | 1.2E 00 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 00 | 1.8E 00 | 0    | 0        | 0.0          | 0.0              |
| 1.8E 00 | 2.6E 00 | 0    | 0        | 0.0          | 0.0              |
| 2.6E 00 | 3.8E 00 | 1    | 1        | 1.28         | 1.28             |
| 3.8E 00 | 5.6E 00 | 5    | 6        | 6.41         | 7.69             |
| 5.6E 00 | 8.3E 00 | 23   | 29       | 29.49        | 37.18            |
| 8.3E 00 | 1.2E 01 | 43   | 72       | 55.13        | 92.31            |
| 1.2E 01 | 1.8E 01 | 6    | 78       | 7.69         | 100.00           |

HISTOGRAM FOR COLUMN 1 ( FE PCT )

```

3.0E 00 X
5.0E 00 XXXXX
7.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.5E 01 XXXXXXXX

```

| N   | L   | H | B | T   | G   | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|-----|----------------------|
| 0   | 0   | 0 | 0 | 0   | 0   | 78                   |
| 0.0 | 0.0 |   |   | 0.0 | 0.0 |                      |

MAXIMUM = 1.50000E 01  
 MINIMUM = 3.00000E 00  
 GEOMETRIC MEAN = 8.74701E 00  
 GEOMETRIC DEVIATION = 1.33327E 00

## TITLE

ANCHORAGE B-6, STREAM SEDIMENT

## FREQUENCY TABLE FOR COLUMN 2 ( MG PCT )

| LIMITS  |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------|---------|------|----------|--------------|------------------|
| LOWER   | UPPER   |      |          |              |                  |
| 1.8E-02 | 2.6E-02 | 0    | 0        | 0.0          | 0.0              |
| 2.6E-02 | 3.8E-02 | 0    | 0        | 0.0          | 0.0              |
| 3.8E-02 | 5.6E-02 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-02 | 8.3E-02 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-02 | 1.2E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E-01 | 1.8E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.8E-01 | 2.6E-01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E-01 | 3.8E-01 | 0    | 0        | 0.0          | 0.0              |
| 3.8E-01 | 5.6E-01 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-01 | 8.3E-01 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-01 | 1.2E 00 | 6    | 6        | 7.69         | 7.69             |
| 1.2E 00 | 1.8E 00 | 46   | 52       | 58.97        | 66.67            |
| 1.8E 00 | 2.6E 00 | 17   | 69       | 21.79        | 88.46            |
| 2.6E 00 | 3.8E 00 | 9    | 78       | 11.54        | 100.00           |

## HISTOGRAM FOR COLUMN 2 ( MG PCT )

```

1.0E 00 XXXXXXXX
1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E 00 XXXXXXXXXXXXXXXX

```

| N   | L   | H | B | T   | G   | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|-----|----------------------|
| 0   | 0   | 0 | 0 | 0   | 0   | 78                   |
| 0.0 | 0.0 |   |   | 0.0 | 0.0 |                      |

MAXIMUM = 3.00000E 00  
 MINIMUM = 1.00000E 00  
 GEOMETRIC MEAN = 1.67691E 00  
 GEOMETRIC DEVIATION = 1.31419E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 3 ( CA PCT )

| LIMITS  |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------|---------|------|----------|--------------|------------------|
| LOWER   | UPPER   |      |          |              |                  |
| 3.8E-02 | 5.6E-02 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-02 | 8.3E-02 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-02 | 1.2E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E-01 | 1.8E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.8E-01 | 2.6E-01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E-01 | 3.8E-01 | 16   | 16       | 20.51        | 20.51            |
| 3.8E-01 | 5.6E-01 | 15   | 31       | 19.23        | 39.74            |
| 5.6E-01 | 8.3E-01 | 13   | 44       | 16.67        | 56.41            |
| 8.3E-01 | 1.2E 00 | 12   | 56       | 15.38        | 71.79            |
| 1.2E 00 | 1.8E 00 | 11   | 67       | 14.10        | 85.90            |
| 1.8E 00 | 2.6E 00 | 7    | 74       | 8.97         | 94.87            |
| 2.6E 00 | 3.8E 00 | 3    | 77       | 3.85         | 98.72            |
| 3.8E 00 | 5.6E 00 | 0    | 77       | 0.0          | 98.72            |
| 5.6E 00 | 8.3E 00 | 1    | 78       | 1.28         | 100.00           |

HISTOGRAM FOR COLUMN 3 ( CA PCT )

3.0E-01 XXXXXXXXXXXXXXXXXXXX  
5.0E-01 XXXXXXXXXXXXXXXXXXXX  
7.0E-01 XXXXXXXXXXXXXXXXXXXX  
1.0E 00 XXXXXXXXXXXXXXXXXXXX  
1.5E 00 XXXXXXXXXXXXXXXXXXXX  
2.0E 00 XXXXXXXXXXXX  
3.0E 00 XXXX  
5.0E 00  
7.0E 00 X

| ANALYTICAL VALUES |     |   |   |     |
|-------------------|-----|---|---|-----|
| N                 | L   | H | B | T   |
| 0                 | 0   | 0 | 0 | 0   |
| 0.0               | 0.0 |   |   | 0.0 |

MAXIMUM = 7.00000E 00  
MINIMUM = 3.00000E-01  
GEOMETRIC MEAN = 7.76373E-01  
GEOMETRIC DEVIATION = 2.04920E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 4 ( TI PCT )

| LIMITS        |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------------|---------|------|----------|--------------|------------------|
| LOWER - UPPER |         |      |          |              |                  |
| 1.8E-03 -     | 2.6E-03 | 0    | 0        | 0.0          | 0.0              |
| 2.6E-03 -     | 3.8E-03 | 0    | 0        | 0.0          | 0.0              |
| 3.8E-03 -     | 5.6E-03 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-03 -     | 8.3E-03 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-03 -     | 1.2E-02 | 0    | 0        | 0.0          | 0.0              |
| 1.2E-02 -     | 1.8E-02 | 0    | 0        | 0.0          | 0.0              |
| 1.8E-02 -     | 2.6E-02 | 0    | 0        | 0.0          | 0.0              |
| 2.6E-02 -     | 3.8E-02 | 0    | 0        | 0.0          | 0.0              |
| 3.8E-02 -     | 5.6E-02 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-02 -     | 8.3E-02 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-02 -     | 1.2E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E-01 -     | 1.8E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.8E-01 -     | 2.6E-01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E-01 -     | 3.8E-01 | 3    | 3        | 3.85         | 3.85             |
| 3.8E-01 -     | 5.6E-01 | 43   | 46       | 55.13        | 58.97            |
| 5.6E-01 -     | 8.3E-01 | 28   | 74       | 35.90        | 94.87            |
| 8.3E-01 -     | 1.2E 00 | 3    | 77       | 3.85         | 98.72            |

HISTOGRAM FOR COLUMN 4 ( TI PCT )

3.0E-01 XXXX  
5.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
7.0E-01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
1.0E 00 XXXX

| N   | L   | H | B | T   | G    | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|------|----------------------|
| 0   | 0   | 0 | 0 | 0   | 1    | 77                   |
| 0.0 | 0.0 |   |   | 0.0 | 1.28 |                      |

MAXIMUM = 1.00000E 00  
MINIMUM = 3.00000E-01  
GEOMETRIC MEAN = 5.69107E-01  
GEOMETRIC DEVIATION = 1.26159E 00

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

## FREQUENCY TABLE FOR COLUMN 5 ( MN PPM )

| LIMITS    |         | FREQ | FREQ<br>CUM | PERCENT<br>FREQ | PERCENT<br>FREQ CUM |
|-----------|---------|------|-------------|-----------------|---------------------|
| LOWER     | UPPER   |      |             |                 |                     |
| 8.3E 00 - | 1.2E 01 | 0    | 0           | 0.0             | 0.0                 |
| 1.2E 01 - | 1.8E 01 | 0    | 0           | 0.0             | 0.0                 |
| 1.8E 01 - | 2.6E 01 | 0    | 0           | 0.0             | 0.0                 |
| 2.6E 01 - | 3.8E 01 | 0    | 0           | 0.0             | 0.0                 |
| 3.8E 01 - | 5.6E 01 | 0    | 0           | 0.0             | 0.0                 |
| 5.6E 01 - | 8.3E 01 | 0    | 0           | 0.0             | 0.0                 |
| 8.3E 01 - | 1.2E 02 | 0    | 0           | 0.0             | 0.0                 |
| 1.2E 02 - | 1.8E 02 | 0    | 0           | 0.0             | 0.0                 |
| 1.8E 02 - | 2.6E 02 | 0    | 0           | 0.0             | 0.0                 |
| 2.6E 02 - | 3.8E 02 | 0    | 0           | 0.0             | 0.0                 |
| 3.8E 02 - | 5.6E 02 | 0    | 0           | 0.0             | 0.0                 |
| 5.6E 02 - | 8.3E 02 | 2    | 2           | 2.56            | 2.56                |
| 8.3E 02 - | 1.2E 03 | 34   | 36          | 43.59           | 46.15               |
| 1.2E 03 - | 1.8E 03 | 38   | 74          | 48.72           | 94.87               |
| 1.8E 03 - | 2.6E 03 | 3    | 77          | 3.85            | 98.72               |
| 2.6E 03 - | 3.8E 03 | 1    | 78          | 1.28            | 100.00              |

## HISTOGRAM FOR COLUMN 5 ( MN PPM )

```

7.0E 02 XXX
1.0E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.5E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 03 XXXX
3.0E 03 X

```

| N   | L   | H | B | T   | G   | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|-----|----------------------|
| 0   | 0   | 0 | 0 | 0   | 0   | 78                   |
| 0.0 | 0.0 |   |   | 0.0 | 0.0 |                      |

MAXIMUM = 3.00000E 03  
 MINIMUM = 7.00000E 02  
 GEOMETRIC MEAN = 1.25750E 03  
 GEOMETRIC DEVIATION = 1.29151E 00

## TITLE

ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 9 ( B PPM )

| LIMITS    |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-----------|---------|------|----------|--------------|------------------|
| LOWER     | UPPER   |      |          |              |                  |
| 8.3E 00 - | 1.2E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 01 - | 1.8E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.8E 01 - | 2.6E 01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E 01 - | 3.8E 01 | 2    | 2        | 2.56         | 2.56             |
| 3.8E 01 - | 5.6E 01 | 4    | 6        | 5.13         | 7.69             |
| 5.6E 01 - | 8.3E 01 | 16   | 22       | 20.51        | 28.21            |
| 8.3E 01 - | 1.2E 02 | 22   | 44       | 28.21        | 56.41            |
| 1.2E 02 - | 1.8E 02 | 23   | 67       | 29.49        | 85.90            |
| 1.8E 02 - | 2.6E 02 | 9    | 76       | 11.54        | 97.44            |
| 2.6E 02 - | 3.8E 02 | 2    | 78       | 2.56         | 100.00           |

HISTOGRAM FOR COLUMN 9 ( B PPM )

```

3.0E 01 XXX
5.0E 01 XXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX
1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXX
2.0E 02 XXXXXXXXXXXXXXXX
3.0E 02 XXX

```

ANALYTICAL  
VALUES  
78

| N   | L   | H | B | T   | G   |
|-----|-----|---|---|-----|-----|
| 0   | 0   | 0 | 0 | 0   | 0   |
| 0.0 | 0.0 |   |   | 0.0 | 0.0 |

MAXIMUM = 3.00000E 02  
 MINIMUM = 3.00000E 01  
 GEOMETRIC MEAN = 1.09212E 02  
 GEOMETRIC DEVIATION = 1.59469E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 10 ( BA PPM )

| LIMITS        |         | FREQ | FREQ | PERCENT | PERCENT  |
|---------------|---------|------|------|---------|----------|
| LOWER - UPPER |         | CUM  | CUM  | FREQ    | FREQ CUM |
| 1.8E 01 -     | 2.6E 01 | 0    | 0    | 0.0     | 0.0      |
| 2.6E 01 -     | 3.8E 01 | 0    | 0    | 0.0     | 0.0      |
| 3.8E 01 -     | 5.6E 01 | 0    | 0    | 0.0     | 0.0      |
| 5.6E 01 -     | 8.3E 01 | 0    | 0    | 0.0     | 0.0      |
| 8.3E 01 -     | 1.2E 02 | 0    | 0    | 0.0     | 0.0      |
| 1.2E 02 -     | 1.8E 02 | 0    | 0    | 0.0     | 0.0      |
| 1.8E 02 -     | 2.6E 02 | 0    | 0    | 0.0     | 0.0      |
| 2.6E 02 -     | 3.8E 02 | 17   | 17   | 21.79   | 21.79    |
| 3.8E 02 -     | 5.6E 02 | 19   | 36   | 24.36   | 46.15    |
| 5.6E 02 -     | 8.3E 02 | 40   | 76   | 51.28   | 97.44    |
| 8.3E 02 -     | 1.2E 03 | 2    | 78   | 2.56    | 100.00   |

HISTOGRAM FOR COLUMN 10 ( BA PPM )

3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX  
5.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX  
7.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX  
1.0E 03 XXXXXXXXXXXXXXXXXXXXXXXX

| ANALYTICAL |     | VALUES |     |
|------------|-----|--------|-----|
| N          | L   | H      | B   |
| 0          | 0   | 0      | 0   |
| 0.0        | 0.0 | 0.0    | 0.0 |

MAXIMUM = 1.00000E 03  
MINIMUM = 3.00000E 02  
GEOMETRIC MEAN = 5.41086E 02  
GEOMETRIC DEVIATION = 1.41915E 00

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 11 ( BE PPM )

| LIMITS        |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------------|---------|------|----------|--------------|------------------|
| LOWER - UPPER |         |      |          |              |                  |
| 8.3E-01 -     | 1.2E 00 | 31   | 31       | 39.74        | 39.74            |
| 1.2E 00 -     | 1.8E 00 | 25   | 56       | 32.05        | 71.79            |
| 1.8E 00 -     | 2.6E 00 | 3    | 59       | 3.85         | 75.64            |

HISTOGRAM FOR COLUMN 11 ( BE PPM )

1.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
1.5E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
2.0E 00 XXXX

| ANALYTICAL VALUES |       | ANALYTICAL VALUES |     |
|-------------------|-------|-------------------|-----|
| N                 | L     | H                 | B   |
| 1                 | 18    | 0                 | 0   |
| 1.28              | 23.08 | 0.0               | 0.0 |

MAXIMUM = 2.00000E 00  
MINIMUM = 1.00000E 00  
GEOMETRIC MEAN = 1.23005E 00  
GEOMETRIC DEVIATION = 1.25642E 00

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 14 ( CO PPM )

| LIMITS  |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------|---------|------|----------|--------------|------------------|
| LOWER   | UPPER   |      |          |              |                  |
| 3.8E 00 | 5.6E 00 | 0    | 0        | 0.0          | 0.0              |
| 5.6E 00 | 8.3E 00 | 0    | 0        | 0.0          | 0.0              |
| 8.3E 00 | 1.2E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 01 | 1.8E 01 | 3    | 3        | 3.85         | 3.85             |
| 1.8E 01 | 2.6E 01 | 10   | 13       | 12.82        | 16.67            |
| 2.6E 01 | 3.8E 01 | 62   | 75       | 79.49        | 96.15            |
| 3.8E 01 | 5.6E 01 | 3    | 78       | 3.85         | 100.00           |

HISTOGRAM FOR COLUMN 14 ( CO PPM )

1.5E 01 XXXX  
2.0E 01 XXXXXXXXXXXX  
3.0E 01 XXXXXXXXXXXX  
5.0E 01 XXXX

| ANALYTICAL VALUES |     |   |   |     |
|-------------------|-----|---|---|-----|
| N                 | L   | H | B | T   |
| 0                 | 0   | 0 | 0 | 0   |
| 0.0               | 0.0 | 0 | 0 | 0.0 |

MAXIMUM = 5.00000E 01  
MINIMUM = 1.50000E 01  
GEOMETRIC MEAN = 2.82808E 01  
GEOMETRIC DEVIATION = 1.24155E 00

DATE 4/21/71

A470 GEUCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE

ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 15 ( CR PPM )

| LIMITS        |         | FREQ | FREQ | PERCENT | PERCENT | PERCENT  |
|---------------|---------|------|------|---------|---------|----------|
| LOWER - UPPER |         | CUM  | CUM  | FREQ    | FREQ    | FREQ CUM |
| 3.8E 00 -     | 5.6E 00 | 0    | 0    | 0.0     | 0.0     | 0.0      |
| 5.6E 00 -     | 8.3E 00 | 0    | 0    | 0.0     | 0.0     | 0.0      |
| 8.3E 00 -     | 1.2E 01 | 0    | 0    | 0.0     | 0.0     | 0.0      |
| 1.2E 01 -     | 1.8E 01 | 0    | 0    | 0.0     | 0.0     | 0.0      |
| 1.8E 01 -     | 2.6E 01 | 0    | 0    | 0.0     | 0.0     | 0.0      |
| 2.6E 01 -     | 3.8E 01 | 0    | 0    | 0.0     | 0.0     | 0.0      |
| 3.8E 01 -     | 5.6E 01 | 0    | 0    | 0.0     | 0.0     | 0.0      |
| 5.6E 01 -     | 8.3E 01 | 2    | 2    | 2.56    | 2.56    | 2.56     |
| 8.3E 01 -     | 1.2E 02 | 12   | 14   | 15.38   | 17.95   | 17.95    |
| 1.2E 02 -     | 1.8E 02 | 50   | 64   | 64.10   | 82.05   | 82.05    |
| 1.8E 02 -     | 2.6E 02 | 9    | 73   | 11.54   | 93.59   | 93.59    |
| 2.6E 02 -     | 3.8E 02 | 5    | 78   | 6.41    | 100.00  | 100.00   |

HISTOGRAM FOR COLUMN 15 ( CR PPM )

7.0E 01 XXX  
1.0E 02 XXXXXXXXXXXXXXXX  
1.5E 02 XXXXXXXXXXXXXXXX  
2.0E 02 XXXXXXXXXXXXXXXX  
3.0E 02 XXXXXXXX

| ANALYTICAL |     | VALUES |     |
|------------|-----|--------|-----|
| N          | L   | H      | B   |
| 0          | 0   | 0      | 0   |
| 0.0        | 0.0 | 0.0    | 0.0 |

MAXIMUM = 3.00000E 02  
MINIMUM = 7.00000E 01  
GEOMETRIC MEAN = 1.49356E 02  
GEOMETRIC DEVIATION = 1.33055E 00

TITLE

ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 16 ( CU PPM )

| LIMITS        |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------------|---------|------|----------|--------------|------------------|
| LOWER - UPPER |         |      |          |              |                  |
| 3.8E 00 -     | 5.6E 00 | 0    | 0        | 0.0          | 0.0              |
| 5.6E 00 -     | 8.3E 00 | 0    | 0        | 0.0          | 0.0              |
| 8.3E 00 -     | 1.2E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 01 -     | 1.8E 01 | 1    | 1        | 1.28         | 1.28             |
| 1.8E 01 -     | 2.6E 01 | 2    | 3        | 2.56         | 3.85             |
| 2.6E 01 -     | 3.8E 01 | 5    | 8        | 6.41         | 10.26            |
| 3.8E 01 -     | 5.6E 01 | 2    | 10       | 2.56         | 12.82            |
| 5.6E 01 -     | 8.3E 01 | 35   | 45       | 44.87        | 57.69            |
| 8.3E 01 -     | 1.2E 02 | 21   | 66       | 26.92        | 84.62            |
| 1.2E 02 -     | 1.8E 02 | 10   | 76       | 12.82        | 97.44            |
| 1.8E 02 -     | 2.6E 02 | 2    | 78       | 2.56         | 100.00           |

HISTOGRAM FOR COLUMN 16 ( CU PPM )

```

1.5E 01 X
2.0E 01 XXX
3.0E 01 XXXXX
5.0E 01 XXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.5E 02 XXXXXXXXXXXXXXX
2.0E 02 XXX
    
```

| N   | L   | H | B | T   | G   | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|-----|----------------------|
| 0.0 | 0   | 0 | 0 | 0   | 0   | 78                   |
| 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 |                      |

MAXIMUM = 2.00000E 02  
 MINIMUM = 1.50000E 01  
 GEOMETRIC MEAN = 7.78145E 01  
 GEOMETRIC DEVIATION = 1.64633E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE

ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 17 ( LA PPM )

| LIMITS            |   | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-------------------|---|------|----------|--------------|------------------|
| LOWER - UPPER     |   |      |          |              |                  |
| 1.8E 01 - 2.6E 01 | 4 | 4    | 4        | 5.13         | 5.13             |
| 2.6E 01 - 3.8E 01 | 5 | 5    | 9        | 6.41         | 11.54            |

HISTOGRAM FOR COLUMN 17 ( LA PPM )

2.0E 01 XXXXX  
3.0E 01 XXXXX

| N     | L     | H | B | T   | G   | ANALYTICAL VALUES |
|-------|-------|---|---|-----|-----|-------------------|
| 39    | 30    | 0 | 0 | 0   | 0   | 9                 |
| 50.00 | 38.46 | 0 | 0 | 0.0 | 0.0 | 0.0               |

MAXIMUM = 3.00000E 01  
MINIMUM = 2.00000E 01  
GEOMETRIC MEAN = 2.50529E 01  
GEOMETRIC DEVIATION = 1.23822E 00

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 19 ( NB PPM )

| LIMITS        |         | FREQ     |    | PERCENT          |       |
|---------------|---------|----------|----|------------------|-------|
| LOWER - UPPER |         | FREQ CUM |    | PERCENT FREQ CUM |       |
| 8.3E 00 -     | 1.2E 01 | 55       | 55 | 70.51            | 70.51 |
| 1.2E 01 -     | 1.8E 01 | 8        | 63 | 10.26            | 80.77 |

HISTOGRAM FOR COLUMN 19 ( NB PPM )

1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

| ANALYTICAL |       | VALUES |     |
|------------|-------|--------|-----|
| N          | L     | H      | B   |
| 0          | 15    | 0      | 0   |
| 0.0        | 19.23 | 0      | 0.0 |

MAXIMUM = 1.50000E 01  
MINIMUM = 1.00000E 01  
GEOMETRIC MEAN = 1.05281E 01  
GEOMETRIC DEVIATION = 1.14601E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 20 ( NI PPM )

| LIMITS    |         | FREQ | FREQ | PERCENT | PERCENT  |
|-----------|---------|------|------|---------|----------|
| LOWER     | UPPER   |      | CUM  | FREQ    | FREQ CUM |
| 3.8E 00 - | 5.6E 00 | 0    | 0    | 0.0     | 0.0      |
| 5.6E 00 - | 8.3E 00 | 0    | 0    | 0.0     | 0.0      |
| 8.3E 00 - | 1.2E 01 | 0    | 0    | 0.0     | 0.0      |
| 1.2E 01 - | 1.8E 01 | 0    | 0    | 0.0     | 0.0      |
| 1.8E 01 - | 2.6E 01 | 0    | 0    | 0.0     | 0.0      |
| 2.6E 01 - | 3.8E 01 | 4    | 4    | 5.13    | 5.13     |
| 3.8E 01 - | 5.6E 01 | 4    | 8    | 5.13    | 10.26    |
| 5.6E 01 - | 8.3E 01 | 25   | 33   | 32.05   | 42.31    |
| 8.3E 01 - | 1.2E 02 | 22   | 55   | 28.21   | 70.51    |
| 1.2E 02 - | 1.8E 02 | 23   | 78   | 29.49   | 100.00   |

HISTOGRAM FOR COLUMN 20 ( NI PPM )

3.0E 01 XXXX  
5.0E 01 XXXX  
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
1.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

| ANALYTICAL |     | VALUES |     |
|------------|-----|--------|-----|
| N          | L   | H      | B   |
| 0          | 0   | 0      | 0   |
| 0.0        | 0.0 | 0.0    | 0.0 |

MAXIMUM = 1.50000E 02  
MINIMUM = 3.00000E 01  
GEOMETRIC MEAN = 9.12052E 01  
GEOMETRIC DEVIATION = 1.53223E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE

ANCHORAGE 8-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 21 ( PB PPM )

| LIMITS        |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------------|---------|------|----------|--------------|------------------|
| LOWER - UPPER |         |      |          |              |                  |
| 8.3E 00 -     | 1.2E 01 | 5    | 5        | 6.41         | 6.41             |
| 1.2E 01 -     | 1.8E 01 | 16   | 21       | 20.51        | 26.92            |
| 1.8E 01 -     | 2.6E 01 | 23   | 44       | 29.49        | 56.41            |
| 2.6E 01 -     | 3.8E 01 | 20   | 64       | 25.64        | 82.05            |
| 3.8E 01 -     | 5.6E 01 | 10   | 74       | 12.82        | 94.87            |
| 5.6E 01 -     | 8.3E 01 | 1    | 75       | 1.28         | 96.15            |

HISTOGRAM FOR COLUMN 21 ( PB PPM )

1.0E 01 XXXXX  
1.5E 01 XXXXXXXXXXXXXXXXXXXX  
2.0E 01 XXXXXXXXXXXXXXXXXXXX  
3.0E 01 XXXXXXXXXXXXXXXXXXXX  
5.0E 01 XXXXXXXXXXXXXXXX  
7.0E 01 X

| N    | L    | H | B | T   | G   | ANALYTICAL<br>VALUES |
|------|------|---|---|-----|-----|----------------------|
| 1    | 2    | 0 | 0 | 0   | 0   | 75                   |
| 1.28 | 2.56 |   |   | 0.0 | 0.0 |                      |

MAXIMUM = 7.00000E 01  
MINIMUM = 1.00000E 01  
GEOMETRIC MEAN = 2.29917E 01  
GEOMETRIC DEVIATION = 1.58099E 00

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 23 ( SC PPM )

| LIMITS        |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------------|---------|------|----------|--------------|------------------|
| LOWER - UPPER |         |      |          |              |                  |
| 3.8E 00 -     | 5.6E 00 | 0    | 0        | 0.0          | 0.0              |
| 5.6E 00 -     | 8.3E 00 | 0    | 0        | 0.0          | 0.0              |
| 8.3E 00 -     | 1.2E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 01 -     | 1.8E 01 | 7    | 7        | 8.97         | 8.97             |
| 1.8E 01 -     | 2.6E 01 | 19   | 26       | 24.36        | 33.33            |
| 2.6E 01 -     | 3.8E 01 | 51   | 77       | 65.38        | 98.72            |
| 3.8E 01 -     | 5.6E 01 | 1    | 78       | 1.28         | 100.00           |

HISTOGRAM FOR COLUMN 23 ( SC PPM )

1.5E 01 XXXXXXXXX  
 2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 5.0E 01 X

| N   | L   | H | B | T   | G   | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|-----|----------------------|
| 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 78                   |

MAXIMUM = 5.0000E 01  
 MINIMUM = 1.5000E 01  
 GEOMETRIC MEAN = 2.57068E 01  
 GEOMETRIC DEVIATION = 1.28674E 00

TITLE  
ANCHORAGE 8-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 25 ( SR PPM )

| LIMITS    |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-----------|---------|------|----------|--------------|------------------|
| LOWER     | UPPER   |      |          |              |                  |
| 8.3E 01 - | 1.2E 02 | 8    | 8        | 10.26        | 10.26            |
| 1.2E 02 - | 1.8E 02 | 7    | 15       | 8.97         | 19.23            |
| 1.8E 02 - | 2.6E 02 | 26   | 41       | 33.33        | 52.56            |
| 2.6E 02 - | 3.8E 02 | 26   | 67       | 33.33        | 85.90            |
| 3.8E 02 - | 5.6E 02 | 5    | 72       | 6.41         | 92.31            |
| 5.6E 02 - | 8.3E 02 | 6    | 78       | 7.69         | 100.00           |

HISTOGRAM FOR COLUMN 25 ( SR PPM )

1.0E 02 XXXXXXXXXX  
1.5E 02 XXXXXXXXXX  
2.0E 02 XXXXXXXXXX  
3.0E 02 XXXXXXXXXX  
5.0E 02 XXXXXX  
7.0E 02 XXXXXXXXXX

| ANALYTICAL VALUES |     |   |   |     |     |
|-------------------|-----|---|---|-----|-----|
| N                 | L   | H | B | T   | G   |
| 0                 | 0   | 0 | 0 | 0   | 0   |
| 0.0               | 0.0 | 0 | 0 | 0.0 | 0.0 |

MAXIMUM = 7.00000E 02  
MINIMUM = 1.00000E 02  
GEOMETRIC MEAN = 2.42657E 02  
GEOMETRIC DEVIATION = 1.65175E 00

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 26 ( V PPM )

| LIMITS    |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-----------|---------|------|----------|--------------|------------------|
| LOWER     | UPPER   |      |          |              |                  |
| 8.3E 00 - | 1.2E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 01 - | 1.8E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.8E 01 - | 2.6E 01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E 01 - | 3.8E 01 | 0    | 0        | 0.0          | 0.0              |
| 3.8E 01 - | 5.6E 01 | 0    | 0        | 0.0          | 0.0              |
| 5.6E 01 - | 8.3E 01 | 0    | 0        | 0.0          | 0.0              |
| 8.3E 01 - | 1.2E 02 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 02 - | 1.8E 02 | 1    | 1        | 1.28         | 1.28             |
| 1.8E 02 - | 2.6E 02 | 24   | 25       | 30.77        | 32.05            |
| 2.6E 02 - | 3.8E 02 | 52   | 77       | 66.67        | 98.72            |
| 3.8E 02 - | 5.6E 02 | 1    | 78       | 1.28         | 100.00           |

HISTOGRAM FOR COLUMN 26 ( V PPM )

1.5E 02 X  
2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
5.0E 02 X

| ANALYTICAL |     | VALUES |     |
|------------|-----|--------|-----|
| N          | L   | H      | B   |
| 0          | 0   | 0      | 0   |
| 0.0        | 0.0 | 0.0    | 0.0 |

MAXIMUM = 5.00000E 02  
MINIMUM = 1.50000E 02  
GEOMETRIC MEAN = 2.64189E 02  
GEOMETRIC DEVIATION = 1.23456E 00

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 28 ( Y PPM )

| LIMITS        |         | FREQ |    | PERCENT |  | PERCENT  |  |
|---------------|---------|------|----|---------|--|----------|--|
| LOWER - UPPER |         | FREQ |    | FREQ    |  | FREQ CUM |  |
| 8.3E 00 -     | 1.2E 01 | 1    | 1  | 1.28    |  | 1.28     |  |
| 1.2E 01 -     | 1.8E 01 | 9    | 10 | 11.54   |  | 12.82    |  |
| 1.8E 01 -     | 2.6E 01 | 41   | 51 | 52.56   |  | 65.38    |  |
| 2.6E 01 -     | 3.8E 01 | 24   | 75 | 30.77   |  | 96.15    |  |
| 3.8E 01 -     | 5.6E 01 | 3    | 78 | 3.85    |  | 100.00   |  |

HISTOGRAM FOR COLUMN 28 ( Y PPM )

1.0E 01 X  
1.5E 01 XXXXXXXXXXXX  
2.0E 01 XXXXXXXXXXXX  
3.0E 01 XXXXXXXXXXXX  
5.0E 01 XXXX

| ANALYTICAL |  | VALUES |  |
|------------|--|--------|--|
| N          |  | G      |  |
| O          |  | T      |  |
| 0.0        |  | 0.0    |  |
| L          |  | B      |  |
| O          |  | O      |  |
| 0.0        |  | 0.0    |  |

MAXIMUM = 5.00000E 01  
MINIMUM = 1.00000E 01  
GEOMETRIC MEAN = 2.25027E 01  
GEOMETRIC DEVIATION = 1.34039E 00

TITLE

ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 29 ( ZN PPM )

| LIMITS    |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-----------|---------|------|----------|--------------|------------------|
| LOWER -   | UPPER   |      |          |              |                  |
| 1.8E 02 - | 2.6E 02 | 6    | 6        | 7.69         | 7.69             |
| 2.6E 02 - | 3.8E 02 | 1    | 7        | 1.28         | 8.97             |

HISTOGRAM FOR COLUMN 29 ( ZN PPM )

2.0E 02 XXXXXXXX  
3.0E 02 X

| N     | L     | H | B | T   | G   | ANALYTICAL<br>VALUES |
|-------|-------|---|---|-----|-----|----------------------|
| 19    | 52    | 0 | 0 | 0   | 0   | 7                    |
| 24.36 | 66.67 |   |   | 0.0 | 0.0 |                      |

MAXIMUM = 3.00000E 02  
MINIMUM = 2.00000E 02  
GEOMETRIC MEAN = 2.11926E 02  
GEOMETRIC DEVIATION = 1.16561E 00

TITLE

ANCHORAGE B-6, STREAM SEDIMENT

FREQUENCY TABLE FOR COLUMN 30 ( ZR PPM )

| LIMITS    |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-----------|---------|------|----------|--------------|------------------|
| LOWER     | UPPER   |      |          |              |                  |
| 8.3E 00 - | 1.2E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 01 - | 1.8E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.8E 01 - | 2.6E 01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E 01 - | 3.8E 01 | 0    | 0        | 0.0          | 0.0              |
| 3.8E 01 - | 5.6E 01 | 0    | 0        | 0.0          | 0.0              |
| 5.6E 01 - | 8.3E 01 | 0    | 0        | 0.0          | 0.0              |
| 8.3E 01 - | 1.2E 02 | 9    | 9        | 11.54        | 11.54            |
| 1.2E 02 - | 1.8E 02 | 24   | 33       | 30.77        | 42.31            |
| 1.8E 02 - | 2.6E 02 | 37   | 70       | 47.44        | 89.74            |
| 2.6E 02 - | 3.8E 02 | 8    | 78       | 10.26        | 100.00           |

HISTOGRAM FOR COLUMN 30 ( ZR PPM )

1.0E 02 XXXXXXXXXXXX  
 1.5E 02 XXXXXXXXXXXX  
 2.0E 02 XXXXXXXXXXXX  
 3.0E 02 XXXXXXXXXXXX

| ANALYTICAL VALUES |     |     |     |     |
|-------------------|-----|-----|-----|-----|
| N                 | L   | H   | B   | T   |
| 0                 | 0   | 0   | 0   | 0   |
| 0.0               | 0.0 | 0.0 | 0.0 | 0.0 |

MAXIMUM = 3.00000E 02  
 MINIMUM = 1.00000E 02  
 GEOMETRIC MEAN = 1.76160E 02  
 GEOMETRIC DEVIATION = 1.33315E 00

TITLE  
ANCHORAGE B-6, STREAM SEDIMENT

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

| ELEMENT | N  | L  | H | B | T | G | ANALYTICAL<br>VALUES |
|---------|----|----|---|---|---|---|----------------------|
| FE PCT  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| MG PCT  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| CA PCT  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| TI PCT  | 0  | 0  | 0 | 0 | 0 | 1 | 77                   |
| MN PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| B PPM   | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| BA PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| BE PPM  | 1  | 18 | 0 | 0 | 0 | 0 | 59                   |
| CO PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| CR PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| CU PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| LA PPM  | 39 | 30 | 0 | 0 | 0 | 0 | 9                    |
| NB PPM  | 0  | 15 | 0 | 0 | 0 | 0 | 63                   |
| NI PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| PB PPM  | 1  | 2  | 0 | 0 | 0 | 0 | 75                   |
| SC PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| SR PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| V PPM   | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| Y PPM   | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| ZN PPM  | 19 | 52 | 0 | 0 | 0 | 0 | 7                    |
| ZR PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 78                   |
| AU PPM  | 0  | 76 | 0 | 0 | 0 | 0 | 2                    |

| ELEMENT | GEOMETRIC<br>MEAN | GEOMETRIC<br>DEVIATION | REMARKS                                      |
|---------|-------------------|------------------------|----------------------------------------------|
| FE PCT  | 8.747000          | 1.33                   | 78 SAMPLES AND 78 ANALYTICAL VALUES.         |
| MG PCT  | 1.676909          | 1.31                   | 78 SAMPLES AND 78 ANALYTICAL VALUES.         |
| CA PCT  | 0.776373          | 2.05                   | 78 SAMPLES AND 78 ANALYTICAL VALUES.         |
| TI PCT  | *****             | *****                  | 1 GREATER THAN VALUES. NO COMPUTATIONS.      |
| MN PPM  | 1257.495117       | 1.29                   | 78 SAMPLES AND 78 ANALYTICAL VALUES.         |
| B PPM   | 109.211243        | 1.59                   | 78 SAMPLES AND 78 ANALYTICAL VALUES.         |
| BA PPM  | 541.084473        | 1.42                   | 78 SAMPLES AND 78 ANALYTICAL VALUES.         |
| BE PPM  | 1.065610          | 1.39                   | 19 NOT DETECTED, LESS THAN, OR TRACE VALUES. |
| CO PPM  | 28.280746         | 1.24                   | 78 SAMPLES AND 78 ANALYTICAL VALUES.         |
| CR PPM  | 149.355240        | 1.33                   | 78 SAMPLES AND 78 ANALYTICAL VALUES.         |
| CU PPM  | 77.814301         | 1.65                   | 78 SAMPLES AND 78 ANALYTICAL VALUES.         |
| LA PPM  | 7.979842          | 1.94                   | 69 NOT DETECTED, LESS THAN, OR TRACE VALUES. |
| NB PPM  | 9.855510          | 1.20                   | 15 NOT DETECTED, LESS THAN, OR TRACE VALUES. |

59 REPORTED VALUES.

9 REPORTED VALUES.

63 REPORTED VALUES.

|        |            |       |                 |                             |                                       |
|--------|------------|-------|-----------------|-----------------------------|---------------------------------------|
| NI PPM | 91.204956  | 1.53  | 78 SAMPLES AND  | 78 ANALYTICAL VALUES.       | 75 REPORTED VALUES.                   |
| PB PPM | 21.938843  | 1.66  | 3 NOT DETECTED, | LESS THAN, OR TRACE VALUES. |                                       |
| SC PPM | 25.706757  | 1.29  | 78 SAMPLES AND  | 78 ANALYTICAL VALUES.       |                                       |
| SR PPM | 242.656479 | 1.65  | 78 SAMPLES AND  | 78 ANALYTICAL VALUES.       |                                       |
| V PPM  | 264.188721 | 1.23  | 78 SAMPLES AND  | 78 ANALYTICAL VALUES.       |                                       |
| Y PPM  | 22.502701  | 1.34  | 78 SAMPLES AND  | 78 ANALYTICAL VALUES.       |                                       |
| ZN PPM | *****      | ***** | COHEN'S TABLE   | EXCEEDED. H( 0.9) OR GAMMA( | 0.8) GTR THAN ALLOW. NO COMPUTATIONS. |
| ZR PPM | 176.159958 | 1.33  | 78 SAMPLES AND  | 78 ANALYTICAL VALUES.       |                                       |
| AU PPM | *****      | ***** | COHEN'S TABLE   | EXCEEDED. H( 1.0) OR GAMMA( | 0.1) GTR THAN ALLOW. NO COMPUTATIONS. |

TABLE 3.  
ANCHORAGE B-6, ROCK SAMPLES

| MAP NO. | SAMPLE | FE PCT  | MG PCT   | CA PCT  | TI PCT  | MN PPM    | AG PPM  | AS PPM    | AU PPM   | B PPM      | BA PPM   |
|---------|--------|---------|----------|---------|---------|-----------|---------|-----------|----------|------------|----------|
| 1r      | BAN299 | 10.0000 | 3.0000   | 2.0000  | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 30.0000    | 150.0000 |
| 2r      | BAN002 | 1.5000  | 0.5000   | 20.0000 | 0.0700  | 300.0000  | 0.5000L | 200.0000N | 10.0000N | 2000.0000G | 300.0000 |
| 3r      | BAN005 | 5.0000  | 1.5000   | 5.0000  | 0.3000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000   | 500.0000 |
| 4r      | BAN003 | 7.0000  | 1.0000   | 1.5000  | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 200.0000   | 300.0000 |
| 5r      | BAN004 | 15.0000 | 7.0000   | 5.0000  | 1.0000G | 2000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000   | 300.0000 |
| 6r      | AKC038 | 10.0000 | 10.0000  | 5.0000  | 0.0500  | 700.0000  | 0.5000N | 200.0000N | 10.0000N | 10.0000L   | 20.0000L |
| 7r      | AKC037 | 10.0000 | 10.0000G | 0.1000  | 0.0300  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 10.0000L   | 20.0000L |
| 8r      | BAJ043 | 10.0000 | 10.0000G | 0.7000  | 0.0070  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 10.0000L   | 20.0000L |
| 9r      | BAJ039 | 10.0000 | 10.0000G | 15.0000 | 0.1000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 10.0000L   | 20.0000L |
| 10r     | BAJ033 | 15.0000 | 10.0000G | 0.7000  | 0.0100  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 10.0000L   | 20.0000L |
| 11r     | BAJ022 | 7.0000  | 3.0000   | 3.0000  | 0.5000  | 2000.0000 | 0.5000N | 200.0000N | 10.0000N | 30.0000    | 300.0000 |
| 12r     | BAN007 | 10.0000 | 0.3000   | 0.5000  | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 100.0000   | 200.0000 |
| 13r     | BAN006 | 5.0000  | 0.7000   | 0.2000  | 0.5000  | 500.0000  | 0.5000N | 200.0000N | 10.0000N | 150.0000   | 300.0000 |
| 14r     | BAN008 | 15.0000 | 5.0000   | 15.0000 | 0.7000  | 2000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000    | 50.0000  |
| 15r     | BAN300 | 7.0000  | 1.5000   | 0.5000  | 0.5000  | 700.0000  | 0.5000N | 200.0000N | 10.0000N | 70.0000    | 300.0000 |
| 16r     | BAN301 | 7.0000  | 1.5000   | 0.5000  | 0.3000  | 700.0000  | 0.5000N | 200.0000L | 10.0000N | 50.0000    | 200.0000 |
| 17r     | BAN290 | 7.0000  | 1.5000   | 7.0000  | 0.3000  | 3000.0000 | 0.5000N | 200.0000L | 10.0000N | 30.0000    | 100.0000 |
| 18r     | BAN292 | 10.0000 | 0.7000   | 0.7000  | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 50.0000    | 150.0000 |
| 19r     | BAN291 | 10.0000 | 5.0000   | 7.0000  | 1.0000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 20.0000    | 100.0000 |
| 20r     | BAN294 | 7.0000  | 1.5000   | 1.0000  | 0.7000  | 700.0000  | 0.5000N | 200.0000L | 10.0000N | 50.0000    | 300.0000 |
| 21r     | BAN296 | 7.0000  | 0.5000   | 0.3000  | 0.5000  | 1000.0000 | 0.5000N | 200.0000N | 10.0000N | 70.0000    | 150.0000 |
| 22r     | BAJ018 | 7.0000  | 1.5000   | 0.7000  | 0.7000  | 700.0000  | 0.5000N | 200.0000N | 10.0000N | 100.0000   | 300.0000 |
| 23r     | BAJ019 | 3.0000  | 1.0000   | 1.5000  | 0.3000  | 500.0000  | 0.5000N | 200.0000N | 10.0000N | 100.0000   | 300.0000 |
| 24r     | BAJ020 | 3.0000  | 1.0000   | 1.5000  | 0.3000  | 500.0000  | 0.5000N | 200.0000N | 10.0000N | 100.0000   | 150.0000 |
| 25r     | BAJ021 | 10.0000 | 1.5000   | 0.3000  | 0.7000  | 2000.0000 | 0.5000N | 200.0000N | 10.0000N | 150.0000   | 700.0000 |
| 26r     | BAN295 | 5.0000  | 1.0000   | 1.5000  | 0.3000  | 700.0000  | 0.5000N | 200.0000L | 10.0000N | 70.0000    | 300.0000 |
| 27r     | BAN298 | 10.0000 | 2.0000   | 0.3000  | 0.3000  | 2000.0000 | 0.7000  | 3000.0000 | 10.0000N | 20.0000    | 150.0000 |
| 28r     | BAN297 | 10.0000 | 5.0000   | 3.0000  | 1.0000  | 5000.0000 | 0.5000N | 200.0000N | 10.0000N | 20.0000    | 200.0000 |
| 29r     | BAN014 | 7.0000  | 2.0000   | 1.0000  | 0.5000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 50.0000    | 300.0000 |
| 30r     | AKC028 | 10.0000 | 2.0000   | 3.0000  | 0.7000  | 1500.0000 | 0.5000N | 200.0000N | 10.0000N | 30.0000    | 700.0000 |

TABLE 3.  
ANCHORAGE B-6, ROCK SAMPLES

| MAP NO. | SAMPLE | BE PPM  | BI PPM   | CD PPM   | CO PPM   | CR PPM     | CU PPM   | LA PPM   | MO PPM  | NB PPM   | NI PPM    |
|---------|--------|---------|----------|----------|----------|------------|----------|----------|---------|----------|-----------|
| 1r      | BAN299 | 1.0000L | 10.0000N | 20.0000N | 30.0000  | 50.0000    | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 30.0000   |
| 2r      | BAN002 | 1.0000N | 10.0000N | 20.0000N | 5.0000N  | 20.0000    | 70.0000  | 20.0000N | 5.0000N | 10.0000N | 15.0000   |
| 3r      | BAN005 | 1.0000L | 10.0000N | 20.0000N | 10.0000  | 50.0000    | 30.0000  | 20.0000L | 5.0000N | 10.0000L | 30.0000   |
| 4r      | BAN003 | 1.5000  | 10.0000N | 20.0000N | 10.0000  | 70.0000    | 70.0000  | 20.0000L | 5.0000N | 10.0000L | 70.0000   |
| 5r      | BAN004 | 1.0000L | 10.0000N | 20.0000N | 50.0000  | 700.0000   | 70.0000  | 20.0000L | 5.0000L | 10.0000  | 300.0000  |
| 6r      | AKC038 | 1.0000N | 10.0000N | 20.0000N | 150.0000 | 3000.0000  | 70.0000  | 20.0000N | 5.0000N | 10.0000  | 300.0000  |
| 7r      | AKC037 | 1.0000N | 10.0000N | 20.0000N | 200.0000 | 5000.0000  | 20.0000  | 20.0000N | 5.0000L | 10.0000  | 2000.0000 |
| 8r      | BAJ043 | 1.0000N | 10.0000N | 20.0000N | 150.0000 | 5000.0000G | 15.0000  | 20.0000N | 5.0000N | 10.0000  | 1500.0000 |
| 9r      | BAJ039 | 1.0000N | 10.0000N | 20.0000N | 100.0000 | 5000.0000G | 30.0000  | 20.0000N | 5.0000L | 10.0000  | 500.0000  |
| 10r     | BAJ033 | 1.0000N | 10.0000N | 20.0000N | 300.0000 | 5000.0000G | 20.0000  | 20.0000N | 5.0000L | 10.0000  | 3000.0000 |
| 11r     | BAJ022 | 1.0000L | 10.0000N | 20.0000N | 20.0000  | 70.0000    | 70.0000  | 20.0000N | 5.0000N | 10.0000L | 15.0000   |
| 12r     | BAN007 | 1.0000L | 10.0000N | 20.0000N | 20.0000  | 70.0000    | 100.0000 | 20.0000N | 5.0000N | 10.0000L | 50.0000   |
| 13r     | BAN006 | 1.0000L | 10.0000N | 20.0000N | 20.0000  | 150.0000   | 50.0000  | 20.0000N | 5.0000N | 10.0000L | 70.0000   |
| 14r     | BAN008 | 1.0000N | 10.0000N | 20.0000N | 30.0000  | 700.0000   | 100.0000 | 20.0000N | 5.0000L | 10.0000L | 150.0000  |
| 15r     | BAN300 | 1.0000  | 10.0000N | 20.0000N | 30.0000  | 100.0000   | 70.0000  | 20.0000L | 5.0000N | 10.0000  | 70.0000   |
| 16r     | BAN301 | 1.0000  | 10.0000N | 20.0000N | 20.0000  | 70.0000    | 15.0000  | 20.0000N | 5.0000N | 10.0000  | 50.0000   |
| 17r     | BAN290 | 1.0000L | 10.0000N | 20.0000N | 15.0000  | 70.0000    | 30.0000  | 20.0000L | 5.0000N | 10.0000L | 50.0000   |
| 18r     | BAN292 | 1.0000L | 10.0000N | 20.0000N | 20.0000  | 70.0000    | 70.0000  | 20.0000N | 5.0000N | 10.0000  | 30.0000   |
| 19r     | BAN291 | 1.0000N | 10.0000N | 20.0000N | 30.0000  | 150.0000   | 70.0000  | 20.0000N | 5.0000L | 10.0000  | 70.0000   |
| 20r     | BAN294 | 1.0000  | 10.0000N | 20.0000N | 20.0000  | 70.0000    | 50.0000  | 20.0000L | 5.0000N | 10.0000  | 50.0000   |
| 21r     | BAN296 | 1.0000L | 10.0000N | 20.0000N | 20.0000  | 150.0000   | 70.0000  | 20.0000N | 5.0000N | 10.0000  | 50.0000   |
| 22r     | BAJ018 | 1.0000  | 10.0000N | 20.0000N | 20.0000  | 150.0000   | 100.0000 | 20.0000N | 5.0000N | 10.0000L | 70.0000   |
| 23r     | BAJ019 | 1.0000  | 10.0000N | 20.0000N | 15.0000  | 70.0000    | 20.0000  | 20.0000N | 5.0000N | 10.0000L | 70.0000   |
| 24r     | BAJ020 | 1.0000  | 10.0000N | 20.0000N | 30.0000  | 70.0000    | 20.0000  | 20.0000L | 5.0000N | 10.0000L | 70.0000   |
| 25r     | BAJ021 | 1.5000  | 10.0000N | 20.0000N | 30.0000  | 150.0000   | 70.0000  | 20.0000L | 5.0000L | 10.0000  | 70.0000   |
| 26r     | BAN295 | 1.0000  | 10.0000N | 20.0000N | 20.0000  | 70.0000    | 70.0000  | 20.0000N | 5.0000N | 10.0000  | 50.0000   |
| 27r     | BAN298 | 1.0000L | 10.0000N | 20.0000N | 30.0000  | 50.0000    | 700.0000 | 20.0000N | 5.0000L | 10.0000  | 50.0000   |
| 28r     | BAN297 | 1.0000N | 10.0000N | 20.0000N | 30.0000  | 300.0000   | 100.0000 | 20.0000N | 5.0000L | 10.0000  | 70.0000   |
| 29r     | BAN014 | 1.0000L | 10.0000N | 20.0000N | 30.0000  | 100.0000   | 100.0000 | 20.0000N | 5.0000N | 10.0000L | 50.0000   |
| 30r     | AKC028 | 1.0000  | 10.0000N | 20.0000N | 20.0000  | 30.0000    | 30.0000  | 20.0000N | 5.0000L | 10.0000L | 30.0000   |

TABLE 3.  
ANCHORAGE B-6, ROCK SAMPLES

| MAP | NO. | SAMPLE | PB PPM   | SB PPM    | SC PPM   | SN PPM   | SR PPM    | V PPM    | W PPM    | Y PPM    | ZN PPM    | ZR PPM   |
|-----|-----|--------|----------|-----------|----------|----------|-----------|----------|----------|----------|-----------|----------|
|     | 1r  | BAN299 | 10.0000L | 100.0000N | 30.0000  | 10.0000N | 300.0000  | 300.0000 | 50.0000N | 15.0000  | 200.0000N | 150.0000 |
|     | 2r  | BAN002 | 30.0000  | 100.0000N | 5.0000N  | 10.0000N | 700.0000  | 50.0000  | 50.0000N | 10.0000N | 200.0000N | 10.0000L |
|     | 3r  | BAN005 | 50.0000  | 100.0000N | 15.0000  | 10.0000N | 300.0000  | 200.0000 | 50.0000N | 10.0000  | 200.0000N | 70.0000  |
|     | 4r  | BAN003 | 30.0000  | 100.0000N | 15.0000  | 10.0000N | 150.0000  | 200.0000 | 50.0000N | 15.0000  | 200.0000N | 150.0000 |
|     | 5r  | BAN004 | 30.0000  | 100.0000N | 30.0000  | 10.0000N | 500.0000  | 300.0000 | 50.0000N | 30.0000  | 200.0000N | 300.0000 |
|     | 6r  | AKC038 | 10.0000N | 100.0000N | 50.0000  | 10.0000N | 100.0000N | 150.0000 | 50.0000N | 10.0000L | 200.0000N | 10.0000L |
|     | 7r  | AKC037 | 10.0000N | 100.0000N | 5.0000L  | 10.0000N | 100.0000L | 70.0000  | 50.0000N | 10.0000L | 200.0000N | 10.0000L |
|     | 8r  | BAJ043 | 10.0000N | 100.0000N | 10.0000  | 10.0000N | 100.0000N | 20.0000  | 50.0000N | 10.0000N | 200.0000N | 10.0000N |
|     | 9r  | BAJ039 | 10.0000N | 100.0000N | 100.0000 | 10.0000N | 100.0000N | 200.0000 | 50.0000N | 10.0000N | 200.0000N | 10.0000N |
|     | 10r | BAJ033 | 10.0000N | 100.0000N | 15.0000  | 10.0000N | 100.0000N | 30.0000  | 50.0000N | 10.0000N | 200.0000N | 10.0000N |
|     | 11r | BAJ022 | 10.0000  | 100.0000N | 15.0000  | 10.0000N | 700.0000  | 200.0000 | 50.0000N | 10.0000  | 200.0000N | 70.0000  |
|     | 12r | BAN007 | 20.0000  | 100.0000N | 20.0000  | 10.0000N | 300.0000  | 300.0000 | 50.0000N | 15.0000  | 200.0000N | 150.0000 |
|     | 13r | BAN006 | 20.0000  | 100.0000N | 15.0000  | 10.0000N | 200.0000  | 200.0000 | 50.0000N | 15.0000  | 200.0000N | 200.0000 |
|     | 14r | BAN008 | 20.0000  | 100.0000N | 70.0000  | 10.0000N | 500.0000  | 700.0000 | 50.0000N | 30.0000  | 200.0000N | 70.0000  |
|     | 15r | BAN300 | 15.0000  | 100.0000N | 15.0000  | 10.0000N | 150.0000  | 150.0000 | 50.0000N | 15.0000  | 200.0000N | 200.0000 |
|     | 16r | BAN301 | 15.0000  | 100.0000N | 15.0000  | 10.0000N | 150.0000  | 150.0000 | 50.0000N | 15.0000  | 200.0000N | 200.0000 |
|     | 17r | BAN290 | 50.0000  | 100.0000N | 15.0000  | 10.0000N | 300.0000  | 150.0000 | 50.0000N | 20.0000  | 200.0000N | 70.0000  |
|     | 18r | BAN292 | 10.0000L | 100.0000N | 15.0000  | 10.0000N | 300.0000  | 150.0000 | 50.0000N | 15.0000  | 200.0000N | 70.0000  |
|     | 19r | BAN291 | 10.0000N | 100.0000N | 50.0000  | 10.0000N | 700.0000  | 300.0000 | 50.0000N | 30.0000  | 200.0000N | 70.0000  |
|     | 20r | BAN294 | 15.0000  | 100.0000N | 15.0000  | 10.0000N | 300.0000  | 150.0000 | 50.0000N | 20.0000  | 200.0000N | 150.0000 |
|     | 21r | BAN296 | 15.0000  | 100.0000N | 20.0000  | 10.0000N | 150.0000  | 150.0000 | 50.0000N | 15.0000  | 200.0000N | 100.0000 |
|     | 22r | BAJ018 | 10.0000  | 100.0000N | 15.0000  | 10.0000N | 200.0000  | 300.0000 | 50.0000N | 15.0000  | 200.0000N | 150.0000 |
|     | 23r | BAJ019 | 10.0000N | 100.0000N | 10.0000  | 10.0000N | 700.0000  | 50.0000  | 50.0000N | 10.0000L | 200.0000N | 150.0000 |
|     | 24r | BAJ020 | 15.0000  | 100.0000N | 5.0000   | 10.0000N | 500.0000  | 70.0000  | 50.0000N | 10.0000L | 200.0000N | 150.0000 |
|     | 25r | BAJ021 | 30.0000  | 100.0000N | 20.0000  | 10.0000N | 100.0000  | 300.0000 | 50.0000N | 20.0000  | 200.0000L | 200.0000 |
|     | 26r | BAN295 | 15.0000  | 100.0000N | 15.0000  | 10.0000N | 500.0000  | 150.0000 | 50.0000N | 15.0000  | 200.0000N | 150.0000 |
|     | 27r | BAN298 | 10.0000N | 100.0000N | 20.0000  | 10.0000N | 300.0000  | 150.0000 | 50.0000N | 15.0000  | 200.0000L | 200.0000 |
|     | 28r | BAN297 | 10.0000N | 100.0000N | 50.0000  | 10.0000N | 300.0000  | 300.0000 | 50.0000N | 30.0000  | 200.0000L | 150.0000 |
|     | 29r | BAN014 | 20.0000  | 100.0000N | 20.0000  | 10.0000N | 300.0000  | 200.0000 | 50.0000N | 15.0000  | 200.0000N | 150.0000 |
|     | 30r | AKC028 | 10.0000N | 100.0000N | 20.0000  | 10.0000N | 300.0000  | 300.0000 | 50.0000N | 10.0000  | 200.0000L | 100.0000 |

TABLE 3.  
ANCHORAGE B-6, ROCK SAMPLES

| MAP NO. | SAMPLE NO. | AU PPM * | HG PPM* |
|---------|------------|----------|---------|
| 1r      | BAN299     | 0.0200L  | 0.16    |
| 2r      | BAN002     | 0.0200L  | 0.45    |
| 3r      | BAN005     | 0.0200L  | 0.26    |
| 4r      | BAN003     | 0.0200L  | 0.50    |
| 5r      | BAN004     | 0.0200L  | 0.13    |
| 6r      | AKC038     | 0.0200L  | B       |
| 7r      | AKC037     | 0.0200L  | B       |
| 8r      | BAJ043     | 0.0200L  | 0.45    |
| 9r      | BAJ039     | 0.0200L  | 0.18    |
| 10r     | BAJ033     | 0.0200L  | 0.80    |
| 11r     | BAJ022     | 0.0200L  | 0.75    |
| 12r     | BAN007     | 0.0200L  | 0.40    |
| 13r     | BAN006     | 0.0200L  | 0.50    |
| 14r     | BAN008     | 0.0200L  | 0.04    |
| 15r     | BAN300     | 0.0200L  | 0.12    |
| 16r     | BAN301     | 0.0200L  | 0.22    |
| 17r     | BAN290     | 0.0200L  | 0.35    |
| 18r     | BAN292     | 0.0200L  | 2.4     |
| 19r     | BAN291     | 0.0200L  | 0.24    |
| 20r     | BAN294     | 0.0200L  | 0.14    |
| 21r     | BAN296     | 0.0200L  | 0.16    |
| 22r     | BAJ018     | 0.0200L  | 0.75    |
| 23r     | BAJ019     | 0.0200L  | 0.55    |
| 24r     | BAJ020     | 0.0200L  | 0.75    |
| 25r     | BAJ021     | 0.0200L  | 0.75    |
| 26r     | BAN295     | 0.0200L  | 0.22    |
| 27r     | BAN298     | 0.1000   | 0.20    |
| 28r     | BAN297     | 0.0200L  | 0.10    |
| 29r     | BAN014     | 0.0200L  | 0.11    |
| 30r     | AKC028     | 0.0200L  | B       |

\*Atomic absorption  
analyses.

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 1 ( FE PCT )

| LIMITS  |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------|---------|------|----------|--------------|------------------|
| LOWER   | UPPER   |      |          |              |                  |
| 3.8E-02 | 5.6E-02 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-02 | 8.3E-02 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-02 | 1.2E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E-01 | 1.8E-01 | 0    | 0        | 0.0          | 0.0              |
| 1.8E-01 | 2.6E-01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E-01 | 3.8E-01 | 0    | 0        | 0.0          | 0.0              |
| 3.8E-01 | 5.6E-01 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-01 | 8.3E-01 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-01 | 1.2E 00 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 00 | 1.8E 00 | 1    | 1        | 3.33         | 3.33             |
| 1.8E 00 | 2.6E 00 | 0    | 1        | 0.0          | 3.33             |
| 2.6E 00 | 3.8E 00 | 2    | 3        | 6.67         | 10.00            |
| 3.8E 00 | 5.6E 00 | 3    | 6        | 10.00        | 20.00            |
| 5.6E 00 | 8.3E 00 | 9    | 15       | 30.00        | 50.00            |
| 8.3E 00 | 1.2E 01 | 12   | 27       | 40.00        | 90.00            |
| 1.2E 01 | 1.8E 01 | 3    | 30       | 10.00        | 100.00           |

HISTOGRAM FOR COLUMN 1 ( FE PCT )

```

1.5E 00 XXX
2.0E 00
3.0E 00 XXXXXX
5.0E 00 XXXXXXXXXX
7.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.5E 01 XXXXXXXXXXXX

```

| N   | L   | H   | B   | T   | G   | ANALYTICAL<br>VALUES |
|-----|-----|-----|-----|-----|-----|----------------------|
| 0   | 0   | 0   | 0   | 0   | 0   | 30                   |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0                  |

MAXIMUM = 1.50000E 01  
 MINIMUM = 1.50000E 00  
 GEOMETRIC MEAN = 7.56324E 00  
 GEOMETRIC DEVIATION = 1.64807E 00

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

## FREQUENCY TABLE FOR COLUMN 2 ( MG PCT )

| LIMITS  |         | FREQ | FREQ<br>CUM | PERCENT<br>FREQ | PERCENT<br>FREQ CUM |
|---------|---------|------|-------------|-----------------|---------------------|
| LOWER   | UPPER   |      |             |                 |                     |
| 1.8E-02 | 2.6E-02 | 0    | 0           | 0.0             | 0.0                 |
| 2.6E-02 | 3.8E-02 | 0    | 0           | 0.0             | 0.0                 |
| 3.8E-02 | 5.6E-02 | 0    | 0           | 0.0             | 0.0                 |
| 5.6E-02 | 8.3E-02 | 0    | 0           | 0.0             | 0.0                 |
| 8.3E-02 | 1.2E-01 | 0    | 0           | 0.0             | 0.0                 |
| 1.2E-01 | 1.8E-01 | 0    | 0           | 0.0             | 0.0                 |
| 1.8E-01 | 2.6E-01 | 0    | 0           | 0.0             | 0.0                 |
| 2.6E-01 | 3.8E-01 | 1    | 1           | 3.33            | 3.33                |
| 3.8E-01 | 5.6E-01 | 2    | 3           | 6.67            | 10.00               |
| 5.6E-01 | 8.3E-01 | 2    | 5           | 6.67            | 16.67               |
| 8.3E-01 | 1.2E 00 | 4    | 9           | 13.33           | 30.00               |
| 1.2E 00 | 1.8E 00 | 7    | 16          | 23.33           | 53.33               |
| 1.8E 00 | 2.6E 00 | 3    | 19          | 10.00           | 63.33               |
| 2.6E 00 | 3.8E 00 | 2    | 21          | 6.67            | 70.00               |
| 3.8E 00 | 5.6E 00 | 3    | 24          | 10.00           | 80.00               |
| 5.6E 00 | 8.3E 00 | 1    | 25          | 3.33            | 83.33               |
| 8.3E 00 | 1.2E 01 | 1    | 26          | 3.33            | 86.67               |

## HISTOGRAM FOR COLUMN 2 ( MG PCT )

```

3.0E-01 XXX
5.0E-01 XXXXXXXX
7.0E-01 XXXXXXXX
1.0E 00 XXXXXXXX
1.5E 00 XXXXXXXX
2.0E 00 XXXXXXXX
3.0E 00 XXXXXXXX
5.0E 00 XXXXXXXX
7.0E 00 XXX
1.0E 01 XXX

```

| N   | L   | H | B | T   | G | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|---|----------------------|
| 0   | 0   | 0 | 0 | 0   | 4 | 26                   |
| 0.0 | 0.0 |   |   | 0.0 |   | 13.33                |

MAXIMUM = 1.00000E 01  
 MINIMUM = 3.00000E-01  
 GEOMETRIC MEAN = 1.64164E 00  
 GEOMETRIC DEVIATION = 2.34400E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE

ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 3 ( CA PCT )

| LIMITS  |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------|---------|------|----------|--------------|------------------|
| LOWER   | UPPER   |      |          |              |                  |
| 3.8E-02 | 5.6E-02 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-02 | 8.3E-02 | 0    | 0        | 0.0          | 0.0              |
| 8.3E-02 | 1.2E-01 | 1    | 1        | 3.33         | 3.33             |
| 1.2E-01 | 1.8E-01 | 0    | 1        | 0.0          | 3.33             |
| 1.8E-01 | 2.6E-01 | 1    | 2        | 3.33         | 6.67             |
| 2.6E-01 | 3.8E-01 | 3    | 5        | 10.00        | 16.67            |
| 3.8E-01 | 5.6E-01 | 3    | 8        | 10.00        | 26.67            |
| 5.6E-01 | 8.3E-01 | 4    | 12       | 13.33        | 40.00            |
| 8.3E-01 | 1.2E 00 | 2    | 14       | 6.67         | 46.67            |
| 1.2E 00 | 1.8E 00 | 4    | 18       | 13.33        | 60.00            |
| 1.8E 00 | 2.6E 00 | 1    | 19       | 3.33         | 63.33            |
| 2.6E 00 | 3.8E 00 | 3    | 22       | 10.00        | 73.33            |
| 3.8E 00 | 5.6E 00 | 3    | 25       | 10.00        | 83.33            |
| 5.6E 00 | 8.3E 00 | 2    | 27       | 6.67         | 90.00            |
| 8.3E 00 | 1.2E 01 | 0    | 27       | 0.0          | 90.00            |
| 1.2E 01 | 1.8E 01 | 2    | 29       | 6.67         | 96.67            |
| 1.8E 01 | 2.6E 01 | 1    | 30       | 3.33         | 100.00           |

HISTOGRAM FOR COLUMN 3 ( CA PCT )

1.0E-01 XXX  
1.5E-01  
2.0E-01 XXX  
3.0E-01 XXXXXXXXXXXX  
5.0E-01 XXXXXXXXXXXX  
7.0E-01 XXXXXXXXXXXX  
1.0E 00 XXXXXX  
1.5E 00 XXXXXXXXXXXX  
2.0E 00 XXX  
3.0E 00 XXXXXXXXXXXX  
5.0E 00 XXXXXXXXXXXX  
7.0E 00 XXXXXX  
1.0E 01  
1.5E 01 XXXXXX  
2.0E 01 XXX

| N   | L   | H | B | T   | G   | ANALYTICAL VALUES |
|-----|-----|---|---|-----|-----|-------------------|
| 0   | 0   | 0 | 0 | 0   | 0   | 30                |
| 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0               |

MAXIMUM = 2.00000E 01  
MINIMUM = 1.00000E-01  
GEOMETRIC MEAN = 1.47761E 00  
GEOMETRIC DEVIATION = 3.88256E 00

## TITLE

ANCHORAGE B-6, ROCK SAMPLES

## FREQUENCY TABLE FOR COLUMN 4 ( TI PCT )

| LIMITS  |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------|---------|------|----------|--------------|------------------|
| LOWER   | UPPER   |      |          |              |                  |
| 1.8E-03 | 2.6E-03 | 0    | 0        | 0.0          | 0.0              |
| 2.6E-03 | 3.8E-03 | 0    | 0        | 0.0          | 0.0              |
| 3.8E-03 | 5.6E-03 | 0    | 0        | 0.0          | 0.0              |
| 5.6E-03 | 8.3E-03 | 1    | 1        | 3.33         | 3.33             |
| 8.3E-03 | 1.2E-02 | 1    | 2        | 3.33         | 6.67             |
| 1.2E-02 | 1.8E-02 | 0    | 2        | 0.0          | 6.67             |
| 1.8E-02 | 2.6E-02 | 0    | 2        | 0.0          | 6.67             |
| 2.6E-02 | 3.8E-02 | 1    | 3        | 3.33         | 10.00            |
| 3.8E-02 | 5.6E-02 | 1    | 4        | 3.33         | 13.33            |
| 5.6E-02 | 8.3E-02 | 1    | 5        | 3.33         | 16.67            |
| 8.3E-02 | 1.2E-01 | 1    | 6        | 3.33         | 20.00            |
| 1.2E-01 | 1.8E-01 | 0    | 6        | 0.0          | 20.00            |
| 1.8E-01 | 2.6E-01 | 0    | 6        | 0.0          | 20.00            |
| 2.6E-01 | 3.8E-01 | 7    | 13       | 23.33        | 43.33            |
| 3.8E-01 | 5.6E-01 | 9    | 22       | 30.00        | 73.33            |
| 5.6E-01 | 8.3E-01 | 5    | 27       | 16.67        | 90.00            |
| 8.3E-01 | 1.2E 00 | 2    | 29       | 6.67         | 96.67            |

## HISTOGRAM FOR COLUMN 4 ( TI PCT )

```

7.0E-03 XXX
1.0E-02 XXX
1.5E-02
2.0E-02
3.0E-02 XXX
5.0E-02 XXX
7.0E-02 XXX
1.0E-01 XXX
1.5E-01
2.0E-01
3.0E-01 XXXXXXXXXXXXXXXXXXXX
5.0E-01 XXXXXXXXXXXXXXXXXXXX
7.0E-01 XXXXXXXXXXXXXXXXXXXX
1.0E 00 XXXXXXXX

```

| N   | L   | H | B | T   | G    | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|------|----------------------|
| 0   | 0   | 0 | 0 | 0   | 1    | 29                   |
| 0.0 | 0.0 |   |   | 0.0 | 3.33 |                      |

MAXIMUM = 1.00000E 00  
 MINIMUM = 7.00000E-03  
 GEOMETRIC MEAN = 2.74602E-01  
 GEOMETRIC DEVIATION = 3.60975E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE

ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 5 ( MN PPM )

| LIMITS    |         | FREQ | FREQ<br>CUM | PERCENT<br>FREQ | PERCENT<br>FREQ CUM |
|-----------|---------|------|-------------|-----------------|---------------------|
| LOWER     | UPPER   |      |             |                 |                     |
| 8.3E 00 - | 1.2E 01 | 0    | 0           | 0.0             | 0.0                 |
| 1.2E 01 - | 1.8E 01 | 0    | 0           | 0.0             | 0.0                 |
| 1.8E 01 - | 2.6E 01 | 0    | 0           | 0.0             | 0.0                 |
| 2.6E 01 - | 3.8E 01 | 0    | 0           | 0.0             | 0.0                 |
| 3.8E 01 - | 5.6E 01 | 0    | 0           | 0.0             | 0.0                 |
| 5.6E 01 - | 8.3E 01 | 0    | 0           | 0.0             | 0.0                 |
| 8.3E 01 - | 1.2E 02 | 0    | 0           | 0.0             | 0.0                 |
| 1.2E 02 - | 1.8E 02 | 0    | 0           | 0.0             | 0.0                 |
| 1.8E 02 - | 2.6E 02 | 0    | 0           | 0.0             | 0.0                 |
| 2.6E 02 - | 3.8E 02 | 1    | 1           | 3.33            | 3.33                |
| 3.8E 02 - | 5.6E 02 | 3    | 4           | 10.00           | 13.33               |
| 5.6E 02 - | 8.3E 02 | 6    | 10          | 20.00           | 33.33               |
| 8.3E 02 - | 1.2E 03 | 3    | 13          | 10.00           | 43.33               |
| 1.2E 03 - | 1.8E 03 | 10   | 23          | 33.33           | 76.67               |
| 1.8E 03 - | 2.6E 03 | 5    | 28          | 16.67           | 93.33               |
| 2.6E 03 - | 3.8E 03 | 1    | 29          | 3.33            | 96.67               |
| 3.8E 03 - | 5.6E 03 | 1    | 30          | 3.33            | 100.00              |

HISTOGRAM FOR COLUMN 5 ( MN PPM )

3.0E 02 XXX  
5.0E 02 XXXXXXXXXXXX  
7.0E 02 XXXXXXXXXXXXXXXXXXXX  
1.0E 03 XXXXXXXXXXXX  
1.5E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
2.0E 03 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
3.0E 03 XXX  
5.0E 03 XXX

ANALYTICAL

VALUES

| N   | L   | H | B | T   | G   |
|-----|-----|---|---|-----|-----|
| 0.0 | 0   | 0 | 0 | 0   | 0   |
| 0.0 | 0.0 | 0 | 0 | 0.0 | 0.0 |

MAXIMUM = 5.00000E 03  
MINIMUM = 3.00000E 02  
GEOMETRIC MEAN = 1.17369E 03  
GEOMETRIC DEVIATION = 1.83727E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE

ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 9 ( B PPM )

| LIMITS        |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------------|---------|------|----------|--------------|------------------|
| LOWER - UPPER |         |      |          |              |                  |
| 8.3E 00 -     | 1.2E 01 | 1    | 1        | 3.33         | 3.33             |
| 1.2E 01 -     | 1.8E 01 | 0    | 1        | 0.0          | 3.33             |
| 1.8E 01 -     | 2.6E 01 | 3    | 4        | 10.00        | 13.33            |
| 2.6E 01 -     | 3.8E 01 | 4    | 8        | 13.33        | 26.67            |
| 3.8E 01 -     | 5.6E 01 | 4    | 12       | 13.33        | 40.00            |
| 5.6E 01 -     | 8.3E 01 | 4    | 16       | 13.33        | 53.33            |
| 8.3E 01 -     | 1.2E 02 | 4    | 20       | 13.33        | 66.67            |
| 1.2E 02 -     | 1.8E 02 | 4    | 24       | 13.33        | 80.00            |
| 1.8E 02 -     | 2.6E 02 | 1    | 25       | 3.33         | 83.33            |

HISTOGRAM FOR COLUMN 9 ( B PPM )

1.0E 01 XXX  
1.5E 01  
2.0E 01 XXXXXXXXXXXX  
3.0E 01 XXXXXXXXXXXX  
5.0E 01 XXXXXXXXXXXX  
7.0E 01 XXXXXXXXXXXX  
1.0E 02 XXXXXXXXXXXX  
1.5E 02 XXXXXXXXXXXX  
2.0E 02 XXX

ANALYTICAL

VALUES

25  
1  
3.33

T

0  
0.0

B

0

H

0

L

4

13.33

MAXIMUM = 2.00000E 02  
MINIMUM = 1.00000E 01  
GEOMETRIC MEAN = 5.75074E 01  
GEOMETRIC DEVIATION = 2.19238E 00

TITLE  
ANCHORAGE 8-6, ROCK SAMPLES

## FREQUENCY TABLE FOR COLUMN 10 ( BA PPM )

| LIMITS    |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-----------|---------|------|----------|--------------|------------------|
| LOWER     | UPPER   |      |          |              |                  |
| 1.8E 01 - | 2.6E 01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E 01 - | 3.8E 01 | 0    | 0        | 0.0          | 0.0              |
| 3.8E 01 - | 5.6E 01 | 1    | 1        | 3.33         | 3.33             |
| 5.6E 01 - | 8.3E 01 | 0    | 1        | 0.0          | 3.33             |
| 8.3E 01 - | 1.2E 02 | 2    | 3        | 6.67         | 10.00            |
| 1.2E 02 - | 1.8E 02 | 5    | 8        | 16.67        | 26.67            |
| 1.8E 02 - | 2.6E 02 | 3    | 11       | 10.00        | 36.67            |
| 2.6E 02 - | 3.8E 02 | 11   | 22       | 36.67        | 73.33            |
| 3.8E 02 - | 5.6E 02 | 1    | 23       | 3.33         | 76.67            |
| 5.6E 02 - | 8.3E 02 | 2    | 25       | 6.67         | 83.33            |

## HISTOGRAM FOR COLUMN 10 ( BA PPM )

```

5.0E 01 XXX
7.0E 01
1.0E 02 XXXXXX
1.5E 02 XXXXXXXXXXXXXXXX
2.0E 02 XXXXXXXXXXXX
3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E 02 XXX
7.0E 02 XXXXXXXX

```

| N   | L     | H | B | T   | G   | ANALYTICAL<br>VALUES |
|-----|-------|---|---|-----|-----|----------------------|
| 0   | 5     | 0 | 0 | 0   | 0   | 25                   |
| 0.0 | 16.67 |   |   | 0.0 | 0.0 |                      |

MAXIMUM = 7.00000E 02  
 MINIMUM = 5.00000E 01  
 GEOMETRIC MEAN = 2.31630E 02  
 GEOMETRIC DEVIATION = 1.81620E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE

ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 11 ( BE PPM )

| LIMITS    |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-----------|---------|------|----------|--------------|------------------|
| LOWER -   | UPPER   |      |          |              |                  |
| 8.3E-01 - | 1.2E 00 | 8    | 8        | 26.67        | 26.67            |
| 1.2E 00 - | 1.8E 00 | 2    | 10       | 6.67         | 33.33            |

HISTOGRAM FOR COLUMN 11 ( BE PPM )

1.0E 00 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
1.5E 00 XXXXXXXX

ANALYTICAL  
VALUES  
10

| N     | L     | H | B | T   | G   |
|-------|-------|---|---|-----|-----|
| 9     | 11    | 0 | 0 | 0   | 0   |
| 30.00 | 36.67 |   |   | 0.0 | 0.0 |

MAXIMUM = 1.50000E 00  
MINIMUM = 1.00000E 00  
GEOMETRIC MEAN = 1.08447E 00  
GEOMETRIC DEVIATION = 1.18644E 00

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 14 ( CO PPM )

| LIMITS  |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------|---------|------|----------|--------------|------------------|
| LOWER   | UPPER   |      |          |              |                  |
| 3.8E 00 | 5.6E 00 | 0    | 0        | 0.0          | 0.0              |
| 5.6E 00 | 8.3E 00 | 0    | 0        | 0.0          | 0.0              |
| 8.3E 00 | 1.2E 01 | 2    | 2        | 6.67         | 6.67             |
| 1.2E 01 | 1.8E 01 | 3    | 5        | 10.00        | 16.67            |
| 1.8E 01 | 2.6E 01 | 10   | 15       | 33.33        | 50.00            |
| 2.6E 01 | 3.8E 01 | 8    | 23       | 26.67        | 76.67            |
| 3.8E 01 | 5.6E 01 | 1    | 24       | 3.33         | 80.00            |
| 5.6E 01 | 8.3E 01 | 0    | 24       | 0.0          | 80.00            |
| 8.3E 01 | 1.2E 02 | 1    | 25       | 3.33         | 83.33            |
| 1.2E 02 | 1.8E 02 | 2    | 27       | 6.67         | 90.00            |
| 1.8E 02 | 2.6E 02 | 1    | 28       | 3.33         | 93.33            |
| 2.6E 02 | 3.8E 02 | 1    | 29       | 3.33         | 96.67            |

HISTOGRAM FOR COLUMN 14 ( CO PPM )

```

1.0E 01 XXXXXX
1.5E 01 XXXXXX
2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
5.0E 01 XXX
7.0E 01
1.0E 02 XXX
1.5E 02 XXXXXX
2.0E 02 XXX
3.0E 02 XXX
    
```

| N    | L   | H | B | T   | G   | ANALYTICAL VALUES |
|------|-----|---|---|-----|-----|-------------------|
| 1    | 0   | 0 | 0 | 0   | 0   | 29                |
| 3.33 | 0.0 |   |   | 0.0 | 0.0 |                   |

MAXIMUM = 3.00000E 02  
 MINIMUM = 1.00000E 01  
 GEOMETRIC MEAN = 3.08409E 01  
 GEOMETRIC DEVIATION = 2.39070E 00

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

## FREQUENCY TABLE FOR COLUMN 15 ( CR PPM )

| LIMITS        |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT CUM |
|---------------|---------|------|----------|--------------|-------------|
| LOWER - UPPER |         |      |          |              |             |
| 3.8E 00 -     | 5.6E 00 | 0    | 0        | 0.0          | 0.0         |
| 5.6E 00 -     | 8.3E 00 | 0    | 0        | 0.0          | 0.0         |
| 8.3E 00 -     | 1.2E 01 | 0    | 0        | 0.0          | 0.0         |
| 1.2E 01 -     | 1.8E 01 | 0    | 0        | 0.0          | 0.0         |
| 1.8E 01 -     | 2.6E 01 | 1    | 1        | 3.33         | 3.33        |
| 2.6E 01 -     | 3.8E 01 | 1    | 2        | 3.33         | 6.67        |
| 3.8E 01 -     | 5.6E 01 | 3    | 5        | 10.00        | 16.67       |
| 5.6E 01 -     | 8.3E 01 | 10   | 15       | 33.33        | 50.00       |
| 8.3E 01 -     | 1.2E 02 | 2    | 17       | 6.67         | 56.67       |
| 1.2E 02 -     | 1.8E 02 | 5    | 22       | 16.67        | 73.33       |
| 1.8E 02 -     | 2.6E 02 | 0    | 22       | 0.0          | 73.33       |
| 2.6E 02 -     | 3.8E 02 | 1    | 23       | 3.33         | 76.67       |
| 3.8E 02 -     | 5.6E 02 | 0    | 23       | 0.0          | 76.67       |
| 5.6E 02 -     | 8.3E 02 | 2    | 25       | 6.67         | 83.33       |
| 8.3E 02 -     | 1.2E 03 | 0    | 25       | 0.0          | 83.33       |
| 1.2E 03 -     | 1.8E 03 | 0    | 25       | 0.0          | 83.33       |
| 1.8E 03 -     | 2.6E 03 | 0    | 25       | 0.0          | 83.33       |
| 2.6E 03 -     | 3.8E 03 | 1    | 26       | 3.33         | 86.67       |
| 3.8E 03 -     | 5.6E 03 | 1    | 27       | 3.33         | 90.00       |

## HISTOGRAM FOR COLUMN 15 ( CR PPM )

```

2.0E 01 XXX
3.0E 01 XXX
5.0E 01 XXXXXXXXXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXX
1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXX
2.0E 02
3.0E 02 XXX
5.0E 02
7.0E 02 XXXXXXXX
1.0E 03
1.5E 03
2.0E 03 XXX
3.0E 03 XXX
5.0E 03 XXX

```

| N   | L   | H | B | T   | G     | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|-------|----------------------|
| 0   | 0   | 0 | 0 | 0   | 3     | 27                   |
| 0.0 | 0.0 | 0 | 0 | 0.0 | 10.00 |                      |

MAXIMUM = 5.00000E 03  
 MINIMUM = 2.00000E 01  
 GEOMETRIC MEAN = 1.24290E 02  
 GEOMETRIC DEVIATION = 3.56176E 00

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 16 ( CU PPM )

| LIMITS    |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-----------|---------|------|----------|--------------|------------------|
| LOWER     | UPPER   |      |          |              |                  |
| 3.8E 00 - | 5.6E 00 | 0    | 0        | 0.0          | 0.0              |
| 5.6E 00 - | 8.3E 00 | 0    | 0        | 0.0          | 0.0              |
| 8.3E 00 - | 1.2E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 01 - | 1.8E 01 | 2    | 2        | 6.67         | 6.67             |
| 1.8E 01 - | 2.6E 01 | 4    | 6        | 13.33        | 20.00            |
| 2.6E 01 - | 3.8E 01 | 4    | 10       | 13.33        | 33.33            |
| 3.8E 01 - | 5.6E 01 | 2    | 12       | 6.67         | 40.00            |
| 5.6E 01 - | 8.3E 01 | 12   | 24       | 40.00        | 80.00            |
| 8.3E 01 - | 1.2E 02 | 5    | 29       | 16.67        | 96.67            |
| 1.2E 02 - | 1.8E 02 | 0    | 29       | 0.0          | 96.67            |
| 1.8E 02 - | 2.6E 02 | 0    | 29       | 0.0          | 96.67            |
| 2.6E 02 - | 3.8E 02 | 0    | 29       | 0.0          | 96.67            |
| 3.8E 02 - | 5.6E 02 | 0    | 29       | 0.0          | 96.67            |
| 5.6E 02 - | 8.3E 02 | 1    | 30       | 3.33         | 100.00           |

HISTOGRAM FOR COLUMN 16 ( CU PPM )

```

1.5E 01 XXXXXX
2.0E 01 XXXXXXXXXXXX
3.0E 01 XXXXXXXXXXXX
5.0E 01 XXXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02 XXXXXXXXXXXXXXXXXXXX
1.5E 02
2.0E 02
3.0E 02
5.0E 02
7.0E 02 XXX
    
```

| ANALYTICAL VALUES |     | G | T | B | H | L | N |
|-------------------|-----|---|---|---|---|---|---|
| 30                | 0   |   |   |   |   |   |   |
| 0.0               | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 |

MAXIMUM = 7.00000E 02  
 MINIMUM = 1.50000E 01  
 GEOMETRIC MEAN = 5.34929E 01  
 GEOMETRIC DEVIATION = 2.19338E 00

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

## FREQUENCY TABLE FOR COLUMN 20 ( NI PPM )

| LIMITS    |         | FREQ | FREQ<br>CUM | PERCENT<br>FREQ | PERCENT<br>FREQ CUM |
|-----------|---------|------|-------------|-----------------|---------------------|
| LOWER     | UPPER   |      |             |                 |                     |
| 3.8E 00 - | 5.6E 00 | 0    | 0           | 0.0             | 0.0                 |
| 5.6E 00 - | 8.3E 00 | 0    | 0           | 0.0             | 0.0                 |
| 8.3E 00 - | 1.2E 01 | 0    | 0           | 0.0             | 0.0                 |
| 1.2E 01 - | 1.8E 01 | 2    | 2           | 6.67            | 6.67                |
| 1.8E 01 - | 2.6E 01 | 0    | 2           | 0.0             | 6.67                |
| 2.6E 01 - | 3.8E 01 | 4    | 6           | 13.33           | 20.00               |
| 3.8E 01 - | 5.6E 01 | 8    | 14          | 26.67           | 46.67               |
| 5.6E 01 - | 8.3E 01 | 9    | 23          | 30.00           | 76.67               |
| 8.3E 01 - | 1.2E 02 | 0    | 23          | 0.0             | 76.67               |
| 1.2E 02 - | 1.8E 02 | 1    | 24          | 3.33            | 80.00               |
| 1.8E 02 - | 2.6E 02 | 0    | 24          | 0.0             | 80.00               |
| 2.6E 02 - | 3.8E 02 | 2    | 26          | 6.67            | 86.67               |
| 3.8E 02 - | 5.6E 02 | 1    | 27          | 3.33            | 90.00               |
| 5.6E 02 - | 8.3E 02 | 0    | 27          | 0.0             | 90.00               |
| 8.3E 02 - | 1.2E 03 | 0    | 27          | 0.0             | 90.00               |
| 1.2E 03 - | 1.8E 03 | 1    | 28          | 3.33            | 93.33               |
| 1.8E 03 - | 2.6E 03 | 1    | 29          | 3.33            | 96.67               |
| 2.6E 03 - | 3.8E 03 | 1    | 30          | 3.33            | 100.00              |

## HISTOGRAM FOR COLUMN 20 ( NI PPM )

```

1.5E 01 XXXXXX
2.0E 01
3.0E 01 XXXXXXXXXXXX
5.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1.0E 02
1.5E 02 XXX
2.0E 02
3.0E 02 XXXXXX
5.0E 02 XXX
7.0E 02
1.0E 03
1.5E 03 XXX
2.0E 03 XXX
3.0E 03 XXX

```

| N   | L   | H | B | T   | G   | ANALYTICAL<br>VALUES |
|-----|-----|---|---|-----|-----|----------------------|
| 0   | 0   | 0 | 0 | 0   | 0   | 30                   |
| 0.0 | 0.0 |   |   | 0.0 | 0.0 |                      |

MAXIMUM = 3.00000E 03  
 MINIMUM = 1.50000E 01  
 GEOMETRIC MEAN = 8.73751E 01  
 GEOMETRIC DEVIATION = 3.74127E 00

TITLE

ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 21 ( PB PPM )

| LIMITS        |         | FREQ |    | PERCENT |       | PERCENT  |  |
|---------------|---------|------|----|---------|-------|----------|--|
| LOWER - UPPER |         | FREQ |    | FREQ    |       | FREQ CUM |  |
| 8.3E 00 -     | 1.2E 01 | 2    | 2  | 6.67    | 6.67  | 6.67     |  |
| 1.2E 01 -     | 1.8E 01 | 6    | 8  | 20.00   | 26.67 | 26.67    |  |
| 1.8E 01 -     | 2.6E 01 | 4    | 12 | 13.33   | 40.00 | 40.00    |  |
| 2.6E 01 -     | 3.8E 01 | 4    | 16 | 13.33   | 53.33 | 53.33    |  |
| 3.8E 01 -     | 5.6E 01 | 2    | 18 | 6.67    | 60.00 | 60.00    |  |

HISTOGRAM FOR COLUMN 21 ( PB PPM )

1.0E 01 XXXXXX  
 1.5E 01 XXXXXXXXXXXXXXXXXXXX  
 2.0E 01 XXXXXXXXXXXXXXXX  
 3.0E 01 XXXXXXXXXXXXXXXX  
 5.0E 01 XXXXXX

| ANALYTICAL |      | VALUES |     |
|------------|------|--------|-----|
| N          |      | G      |     |
| 10         | L    | 8      | T   |
| 33.33      | 2    | 0      | 0   |
|            | 6.67 | 0      | 18  |
|            |      | 0.0    | 0.0 |

MAXIMUM = 5.00000E 01  
 MINIMUM = 1.00000E 01  
 GEOMETRIC MEAN = 2.03835E 01  
 GEOMETRIC DEVIATION = 1.60327E 00

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 23 ( SC PPM )

| LIMITS    |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|-----------|---------|------|----------|--------------|------------------|
| LOWER     | UPPER   |      |          |              |                  |
| 3.8E 00 - | 5.6E 00 | 1    | 1        | 3.33         | 3.33             |
| 5.6E 00 - | 8.3E 00 | 0    | 1        | 0.0          | 3.33             |
| 8.3E 00 - | 1.2E 01 | 2    | 3        | 6.67         | 10.00            |
| 1.2E 01 - | 1.8E 01 | 12   | 15       | 40.00        | 50.00            |
| 1.8E 01 - | 2.6E 01 | 6    | 21       | 20.00        | 70.00            |
| 2.6E 01 - | 3.8E 01 | 2    | 23       | 6.67         | 76.67            |
| 3.8E 01 - | 5.6E 01 | 3    | 26       | 10.00        | 86.67            |
| 5.6E 01 - | 8.3E 01 | 1    | 27       | 3.33         | 90.00            |
| 8.3E 01 - | 1.2E 02 | 1    | 28       | 3.33         | 93.33            |

HISTOGRAM FOR COLUMN 23 ( SC PPM )

```

5.0E 00 XXX
7.0E 00
1.0E 01 XXXXXX
1.5E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2.0E 01 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3.0E 01 XXXXXX
5.0E 01 XXXXXXXXXX
7.0E 01 XXX
1.0E 02 XXX
    
```

| N    | L    | H | B | T   | G   | ANALYTICAL VALUES |
|------|------|---|---|-----|-----|-------------------|
| 1    | 1    | 0 | 0 | 0   | 0   | 28                |
| 3.33 | 3.33 |   |   | 0.0 | 0.0 |                   |

MAXIMUM = 1.00000E 02  
 MINIMUM = 5.00000E 00  
 GEOMETRIC MEAN = 2.01411E 01  
 GEOMETRIC DEVIATION = 1.88676E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 25 ( SR PPM )

| LIMITS        |         | FREQ |    | PERCENT |  | PERCENT  |  |
|---------------|---------|------|----|---------|--|----------|--|
| LOWER - UPPER |         | CUM  |    | FREQ    |  | FREQ CUM |  |
| 8.3E 01 -     | 1.2E 02 | 1    | 1  | 3.33    |  | 3.33     |  |
| 1.2E 02 -     | 1.8E 02 | 4    | 5  | 13.33   |  | 16.67    |  |
| 1.8E 02 -     | 2.6E 02 | 2    | 7  | 6.67    |  | 23.33    |  |
| 2.6E 02 -     | 3.8E 02 | 10   | 17 | 33.33   |  | 56.67    |  |
| 3.8E 02 -     | 5.6E 02 | 4    | 21 | 13.33   |  | 70.00    |  |
| 5.6E 02 -     | 8.3E 02 | 4    | 25 | 13.33   |  | 83.33    |  |

HISTOGRAM FOR COLUMN 25 ( SR PPM )

1.0E 02 xxx  
1.5E 02 xxxxxxxxxxxx  
2.0E 02 xxxxxx  
3.0E 02 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
5.0E 02 xxxxxxxxxxxxxx  
7.0E 02 xxxxxxxxxxxxxx

| ANALYTICAL |       | VALUES |      | G |     |
|------------|-------|--------|------|---|-----|
| N          |       | L      |      | T |     |
| 4          | 13.33 | 1      | 3.33 | 0 | 0.0 |
|            |       |        |      | 0 | 0.0 |

MAXIMUM = 7.00000E 02  
MINIMUM = 1.00000E 02  
GEOMETRIC MEAN = 3.09136E 02  
GEOMETRIC DEVIATION = 1.73935E 00

DATE 4/21/71

A470 GEOCHEMICAL SUMMARY - U S G S STATPAC (04/12/71)

TITLE  
ANCHORAGE 8-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 26 ( V PPM )

| LIMITS  |         | FREQ | FREQ<br>CUM | PERCENT<br>FREQ | PERCENT<br>FREQ CUM |
|---------|---------|------|-------------|-----------------|---------------------|
| LOWER   | UPPER   |      |             |                 |                     |
| 8.3E 00 | 1.2E 01 | 0    | 0           | 0.0             | 0.0                 |
| 1.2E 01 | 1.8E 01 | 0    | 0           | 0.0             | 0.0                 |
| 1.8E 01 | 2.6E 01 | 1    | 1           | 3.33            | 3.33                |
| 2.6E 01 | 3.8E 01 | 1    | 2           | 3.33            | 6.67                |
| 3.8E 01 | 5.6E 01 | 2    | 4           | 6.67            | 13.33               |
| 5.6E 01 | 8.3E 01 | 2    | 6           | 6.67            | 20.00               |
| 8.3E 01 | 1.2E 02 | 0    | 6           | 0.0             | 20.00               |
| 1.2E 02 | 1.8E 02 | 9    | 15          | 30.00           | 50.00               |
| 1.8E 02 | 2.6E 02 | 6    | 21          | 20.00           | 70.00               |
| 2.6E 02 | 3.8E 02 | 8    | 29          | 26.67           | 96.67               |
| 3.8E 02 | 5.6E 02 | 0    | 29          | 0.0             | 96.67               |
| 5.6E 02 | 8.3E 02 | 1    | 30          | 3.33            | 100.00              |

HISTOGRAM FOR COLUMN 26 ( V PPM )

2.0E 01 XXX  
3.0E 01 XXX  
5.0E 01 XXXXXX  
7.0E 01 XXXXXX  
1.0E 02  
1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXX  
2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX  
3.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX  
5.0E 02  
7.0E 02 XXX

| ANALYTICAL<br>VALUES |     |     |     |     |
|----------------------|-----|-----|-----|-----|
| N                    | L   | H   | B   | T   |
| 0                    | 0   | 0   | 0   | 0   |
| 0.0                  | 0.0 | 0.0 | 0.0 | 0.0 |

MAXIMUM = 7.00000E 02  
MINIMUM = 2.00000E 01  
GEOMETRIC MEAN = 1.57509E 02  
GEOMETRIC DEVIATION = 2.14405E 00

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 28 ( Y PPM )

| LIMITS        |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------------|---------|------|----------|--------------|------------------|
| LOWER - UPPER |         |      |          |              |                  |
| 8.3E 00 -     | 1.2E 01 | 3    | 3        | 10.00        | 10.00            |
| 1.2E 01 -     | 1.8E 01 | 12   | 15       | 40.00        | 50.00            |
| 1.8E 01 -     | 2.6E 01 | 3    | 18       | 10.00        | 60.00            |
| 2.6E 01 -     | 3.8E 01 | 4    | 22       | 13.33        | 73.33            |

HISTOGRAM FOR COLUMN 28 ( Y PPM )

1.0E 01 XXXXXXXXXXXX  
 1.5E 01 XXXXXXXXXXXX  
 2.0E 01 XXXXXXXXXXXX  
 3.0E 01 XXXXXXXXXXXX

|   |       | ANALYTICAL VALUES |   |   |     |
|---|-------|-------------------|---|---|-----|
|   |       | N                 | L | H | G   |
| 4 | 13.33 | 4                 | 4 | 0 | 0   |
|   |       |                   |   |   | 22  |
|   |       |                   |   |   | 0.0 |

MAXIMUM = 3.00000E 01  
 MINIMUM = 1.00000E 01  
 GEOMETRIC MEAN = 1.67435E 01  
 GEOMETRIC DEVIATION = 1.40197E 00

TITLE

ANCHORAGE B-6, ROCK SAMPLES

FREQUENCY TABLE FOR COLUMN 30 ( ZR PPM )

| LIMITS  |         | FREQ | FREQ CUM | PERCENT FREQ | PERCENT FREQ CUM |
|---------|---------|------|----------|--------------|------------------|
| LOWER   | UPPER   |      |          |              |                  |
| 8.3E 00 | 1.2E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.2E 01 | 1.8E 01 | 0    | 0        | 0.0          | 0.0              |
| 1.8E 01 | 2.6E 01 | 0    | 0        | 0.0          | 0.0              |
| 2.6E 01 | 3.8E 01 | 0    | 0        | 0.0          | 0.0              |
| 3.8E 01 | 5.6E 01 | 0    | 0        | 0.0          | 0.0              |
| 5.6E 01 | 8.3E 01 | 6    | 6        | 20.00        | 20.00            |
| 8.3E 01 | 1.2E 02 | 2    | 8        | 6.67         | 26.67            |
| 1.2E 02 | 1.8E 02 | 10   | 18       | 33.33        | 60.00            |
| 1.8E 02 | 2.6E 02 | 5    | 23       | 16.67        | 76.67            |
| 2.6E 02 | 3.8E 02 | 1    | 24       | 3.33         | 80.00            |

HISTOGRAM FOR COLUMN 30 ( ZR PPM )

7.0E 01 XXXXXXXXXXXXXXXXXXXXXXXX  
 1.0E 02 XXXXXX  
 1.5E 02 XXXXXXXXXXXXXXXXXXXXXXXX  
 2.0E 02 XXXXXXXXXXXXXXXXXXXXXXXX  
 3.0E 02 XXX

| N     | L     | H | B | T   | G   | ANALYTICAL<br>VALUES |
|-------|-------|---|---|-----|-----|----------------------|
| 3     | 3     | 0 | 0 | 0   | 0   | 24                   |
| 10.00 | 10.00 |   |   | 0.0 | 0.0 |                      |

MAXIMUM = 3.00000E 02  
 MINIMUM = 7.00000E 01  
 GEOMETRIC MEAN = 1.30990E 02  
 GEOMETRIC DEVIATION = 1.53846E 00

TITLE  
ANCHORAGE B-6, ROCK SAMPLES

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

| ELEMENT | N  | L  | H | B | T | G | ANALYTICAL<br>VALUES |
|---------|----|----|---|---|---|---|----------------------|
| FE PCT  | 0  | 0  | 0 | 0 | 0 | 0 | 30                   |
| MG PCT  | 0  | 0  | 0 | 0 | 0 | 4 | 26                   |
| CA PCT  | 0  | 0  | 0 | 0 | 0 | 0 | 30                   |
| TI PCT  | 0  | 0  | 0 | 0 | 0 | 1 | 29                   |
| MN PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 30                   |
| B PPM   | 0  | 4  | 0 | 0 | 0 | 1 | 25                   |
| BA PPM  | 0  | 5  | 0 | 0 | 0 | 0 | 25                   |
| BE PPM  | 9  | 11 | 0 | 0 | 0 | 0 | 10                   |
| CD PPM  | 1  | 0  | 0 | 0 | 0 | 0 | 29                   |
| CR PPM  | 0  | 0  | 0 | 0 | 0 | 3 | 27                   |
| CU PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 30                   |
| NI PPM  | 0  | 0  | 0 | 0 | 0 | 0 | 30                   |
| PB PPM  | 10 | 2  | 0 | 0 | 0 | 0 | 18                   |
| SC PPM  | 1  | 1  | 0 | 0 | 0 | 0 | 28                   |
| SR PPM  | 4  | 1  | 0 | 0 | 0 | 0 | 25                   |
| V PPM   | 0  | 0  | 0 | 0 | 0 | 0 | 30                   |
| Y PPM   | 4  | 4  | 0 | 0 | 0 | 0 | 22                   |
| ZR PPM  | 3  | 3  | 0 | 0 | 0 | 0 | 24                   |

| ELEMENT | GEOMETRIC<br>MEAN | GEOMETRIC<br>DEVIATION | REMARKS                                      |
|---------|-------------------|------------------------|----------------------------------------------|
| FE PCT  | 7.563236          | 1.65                   | 30 SAMPLES AND 30 ANALYTICAL VALUES.         |
| MG PCT  | *****             | *****                  | 4 GREATER THAN VALUES. NO COMPUTATIONS.      |
| CA PCT  | 1.477606          | 3.88                   | 30 SAMPLES AND 30 ANALYTICAL VALUES.         |
| TI PCT  | *****             | *****                  | 1 GREATER THAN VALUES. NO COMPUTATIONS.      |
| MN PPM  | 1173.688232       | 1.84                   | 30 SAMPLES AND 30 ANALYTICAL VALUES.         |
| B PPM   | *****             | *****                  | 1 GREATER THAN VALUES. NO COMPUTATIONS.      |
| BA PPM  | 137.384537        | 3.68                   | 5 NOT DETECTED, LESS THAN, OR TRACE VALUES.  |
| BE PPM  | 0.706375          | 1.47                   | 20 NOT DETECTED, LESS THAN, OR TRACE VALUES. |
| CD PPM  | 28.434052         | 2.62                   | 1 NOT DETECTED, LESS THAN, OR TRACE VALUES.  |
| CR PPM  | *****             | *****                  | 3 GREATER THAN VALUES. NO COMPUTATIONS.      |
| CU PPM  | 53.492722         | 2.19                   | 30 SAMPLES AND 30 ANALYTICAL VALUES.         |
| NI PPM  | 87.374908         | 3.74                   | 30 SAMPLES AND 30 ANALYTICAL VALUES.         |
| PB PPM  | 11.172336         | 2.40                   | 12 NOT DETECTED, LESS THAN, OR TRACE VALUES. |
| SC PPM  | 17.675095         | 2.20                   | 2 NOT DETECTED, LESS THAN, OR TRACE VALUES.  |
| SR PPM  | 232.027634        | 2.29                   | 5 NOT DETECTED, LESS THAN, OR TRACE VALUES.  |
| V PPM   | 157.508850        | 2.14                   | 30 SAMPLES AND 30 ANALYTICAL VALUES.         |
| Y PPM   | 12.735259         | 1.74                   | 8 NOT DETECTED, LESS THAN, OR TRACE VALUES.  |
|         |                   |                        | 25 REPORTED VALUES.                          |
|         |                   |                        | 10 REPORTED VALUES.                          |
|         |                   |                        | 29 REPORTED VALUES.                          |
|         |                   |                        | 18 REPORTED VALUES.                          |
|         |                   |                        | 28 REPORTED VALUES.                          |
|         |                   |                        | 25 REPORTED VALUES.                          |
|         |                   |                        | 22 REPORTED VALUES.                          |

| ZR PPM | 66.285721 | 4.21 | 6 NOT DETECTED, LESS THAN, OR TRACE VALUES. | 24 REPORTED VALUES. |
|--------|-----------|------|---------------------------------------------|---------------------|
|--------|-----------|------|---------------------------------------------|---------------------|