UNITED STATES DEPARTMENT OF THE INTERIOR

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Analytical data and sample locality map for aqua-regia leachates of stream sediments analyzed by ICP, and emission spectrographic and ICP results for many NURE stream sediments from the Killik River quadrangle, Alaska

By

J. M. Motooka, B. M. Adrian, S. E. Church,

C. M. McDougal, and J. B. Fife

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STUDIES RELATED TO AMRAP

The U.S. Geological Survey, is required by the Alaska National Interests Lands Conservation Act (Public Law 96-487, 1980), to survey certain Federal lands to determine their mineral values, if any. Results from the Alaska Mineral Resource Assessment Program (AMRAP) must be made available to the public and be submitted to the President and the Congress. This report is one in a series of publications that presents geochemical and mineralogical data determined during the mineral assessment study of the Killik River quadrangle, Alaska. In this report, we present analytical results of aqua-regia leach studies of the stream sediments collected during the geochemical reconnaissance of the Killik River quadrangle, Alaska. In addition, we have included the emission spectrographic results obtained from NURE stream-sediment samples collected from the quadrangle generally south of 68° 45′ N. latitude.

INTRODUCTION

The Killik River quadrangle is located in the central Brooks Range and the Arctic foothills of northern Alaska about 250 mi north of Fairbanks (figure 1). Access is by chartered aircraft into privately owned gravel air strips from Bettles, Alaska. Sampling in the quadrangle began in 1981 field season and continued intermittently through 1986. Field teams from the U.S. Geological Survey collected stream-sediment samples from the southern part of the quadrangle. Semiquantative spectrographic results, along with some analyses by atomic absorption, from samples collected in 1981 are reported in Barton and others (1982) and for samples collected in 1983 and 1984 are reported in Sutley and others (1984).

The topographic relief in the Brooks Range portion of the study area exceeds 4000 ft with a maximum elevation of 7,420 ft. North of the Brooks Range, the Arctic foothills slope gently north with little relief. The climate is arctic.

GENERAL GEOLOGY

The southern boundary of the quadrangle is approximately coincident with the Brooks Range continental divide. Rocks of the Hunt Fork Shale, the Noatak Sandstone, the Kanayut Conglomerate, the Kayak Shale, the Lisburne Group, and the Siksikpuk, Otuk, and Shublik Formations form the Brooks Range in the southern Killik River quadrangle. These rocks, which are dominantly marine, range in age from Devonian through Jurassic. Early geologic mapping was reported by Brosge' and others (1960, 1979). The rocks of Killik River quadrangle in the Brooks Range have been severely deformed by thrusting. These rocks form the southern third of the quadrangle. North of the mountains, the Arctic foothills consist of Cretaceous to Tertiary age deltaic rocks derived from the Brooks Range. The clastic rocks of the

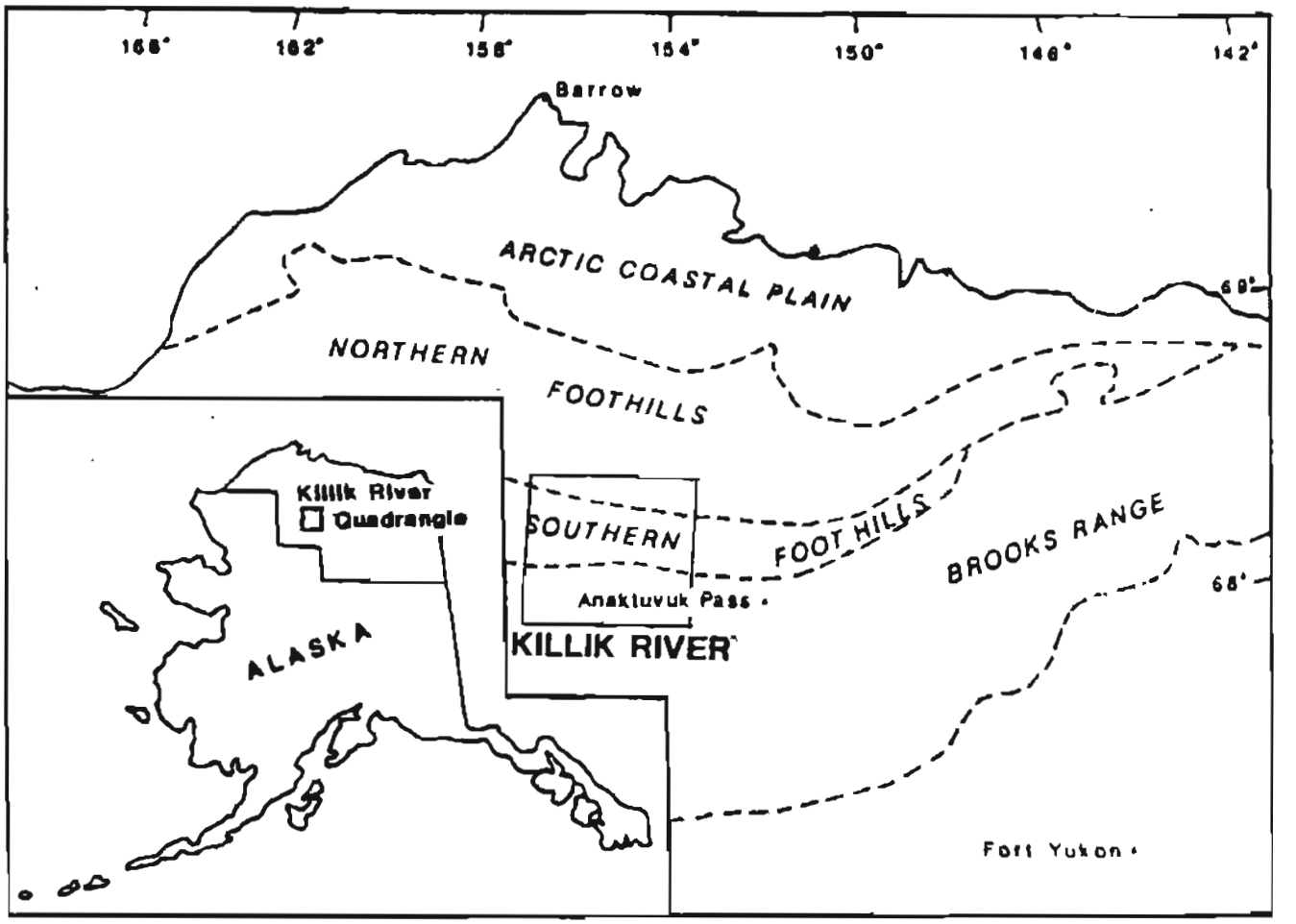

Figure 1. Index map of the central Brooks Range showing the location of the Brooks Range and Arctic foothills province and the outline of the Killik River quadrangle.

Arctic foothills were deformed into east-west trending anticlines and synclines and underlie the northern part of the quadrangle.

METHODS OF STUDY

Sample Media

Geochemical results presented in this report are from stream-sediment samples that were collected from active channels of perennial first-order (unbranched) streams and second-order (below the junction of two first-order) streams, as determined from topographic maps (scales 1:250,000 and 1:63,360). Sampling density was approximately 1 sample site per 2 mi^2 in the mountainous areas and 1 sample per 5 mi^2 in the foothills. The sample localities are shown on plate 1. Analyses of the stream-sediment samples represent the chemistry of the rock material eroded from the drainage basin upstream from each sample site. Such information is useful in identifying those basins which contain concentrations of elements that may be related to mineral deposits.

In general, the northern half of the Killik River quadrangle was not sampled by the U.S. Geological Survey because this area had been sampled previously during the National Uranium Resource Evaluation (NURE) program (Los Alamos National Laboratory, 1982). We have analyzed the samples located south of about 68°45′ N. latitude by both direct current-arc emission spectrographic methods (Grimes and Marranzino, 1968) and by aqua-regia leach methods for comparison with previously published results. The sample localities are shown on plate 2; samples analyzed are indicated by the field numbers. Only the last four digets of the field number are shown on the plate to simplify the map.

Sample Collection

The stream-sediment samples collected in the Killik River quadrangle (Barton and others, 1982; Sutley and others, 1984) were used for the ICP determinations. A total of 336 stream-sediment samples were collected by the U.S. Geological Survey in the quadrangle. The samples were wet-sieved on site to minus 2.0 mm (10-mesh) using a stainless steel sieve and a 14-inch gold pan. Composite samples within individual streams were collected whenever possible. At all sites, a representative portion of the sediment was taken directly from the gold pan and saved as the stream-sediment sample. The samples were air-dried in the field and then shipped to the laboratory for analysis.

Sample Preparation

In the laboratory, the stream-sediment samples were sieved using either a 30-mesh (0.59 mm) or an 80-mesh (0.177 mm) stainless steel sieve. The portion of the sediment that passed

through the sieve was saved. This minus-30-mesh or minus-80-mesh sediment was then ground to approximately minus-100-mesh (0.15 mm) and used for chemical analysis.

Sample Analysis using ICP Methods

One gram of prepared stream-sediment sample was weighed into a 50 mL beaker for digestion. Sample weights were determined to a precision of ±2 percent. The sample was first wetted with a small amount of 10 percent HCl (v/v) to react any carbonate minerals present. Following the completion of this reaction, 15 mL of aqua regia (1:3; HNO_3:HCl) was added to each sample. Initial oxidation of the nonsilicate phases present in the sample usually occurred as an immediate, vigorous reaction. When necessary, this reaction was contained by quenching with distilled water from a squirt bottle. The samples were then placed on a hot plate that was set at a constant temperature of approximately 80°C. The oxidation reaction was usually complete after the samples had been gently heated for approximately ten minutes. The low temperature of the hot plate is necessary to prevent spattering of the samples during the evaporation process. The solution was then taken slowly to dryness. Several mL of 20-percent HCl (v/v) were added to the sample residue and the sample was gently heated. Sample solutions were then filtered through Whatman no. 41 filter paper that had been previously wetted with 10 percent HCL (v/v) and the samples were diluted to constant final volume, usually 10 mL. These sample solutions were aspirated directly into the plasma for analysis.

The Inductively Coupled Plasma (ICP) instrumentation used is commercially available from Applied Research Laboratories. Two instruments were used, the earlier measurements were made on the ICPQ model and the later measurements on a model 34000 ICP. The two instruments have very similar spectral arrays, but the 34000 also had the capability of measuring some of the alkali elements (sodium, potassium, and lithium), and zirconium.

Corrections for spectral interferences and determination of qualifiers designating lower limits of determination and trace concentrations were determined using the procedures described by Church (1981) and Church and others (1983). Because the chemistry of each sample is different and analytical results from ICP utilize a fixed spectral array, the effect of spectral interferences on each element in each sample must be evaluated. This requires that the lower limit of determination for the elements in each sample be checked for possible spectral interferences. The lower limit of determination (N) will also vary because dilutions of the solutions analyzed may be required during analysis. This condition occurs when the sample must be diluted, usually so that the calcium or iron concentrations in the solution analyzed would be within the calibration range of the instrument, so that corrections for possible spectral interferences could be applied. This problem was particularily accute in this study because of the presence of high

concentrations of calcium from the limestones and the phosphatic members of the Lisburne Group. In table 1, we report the minimum determinate concentration for each element in ppm in column 2. We have summarized, in column 3 of table 1, the recommended value of N to be used for each element in tables 3 to 5 along with the number of samples to which this value applies. In column 4 of table 1, we list the number of samples which have higher values of N in tables 3 to 5. Values of N that are higher than the recommended N are indicated in tables 3 and 4 in parentheses, for example N(0.8). We suggest that the values for N assigned in table 1 be used for this data set if a single lower limit (N) is needed. Qualified values (<, trace concentrations) indicate that less than half, but more than one tenth of the total signal measured by the ICP remained after correction for spectral interferences (Church and others, 1983). Analytical results for 336 samples reported in tables 3 and 4 are expressed in parts per million and all values are rounded to two significant figures. Analytical results for 454 NURE samples reported in table 5 also are expressed in parts per million and all values are rounded to two significant figures. The major elements are listed first, followed by the minor and trace elements listed by group as shown on the periodic chart of the elements.

Previous studies of stream-sediment leachates analyzed by ICP have shown that the aqua-regia leach procedure can be effectively applied in regional geochemical exploration. Replicate analysis of geochemical exploration standards (USGS, GXR series; Allcott and Lakin, 1974) using ICP analysis of aqua-regia leachates has indicated an analytical precision of approximately 10 percent (Church and others, 1983). They also demonstrated that recoveries for the ore-related metals of greater that 85 percent. Church (1978) evaluated different digestion procedures for use in exploration geochemistry and showed that the aqua-regia leach was the most effective in releasing metals bound in many nonsilicate phases. Further studies (Church and others, 1987) demonstrated that the aqua-regia leach technique resulted in almost complete recovery of elements bound in the hydromorphic oxide phases. They also demonstrated that the application of the aqua-regia leach procedure resulted in high recoveries (generally greater than 90 percent) of metals bound in many carbonate, sulfide, and crystalline iron- and manganese-oxide minerals. These observations were verified by studies of hand-picked mineral separates (purity generally 90-99 percent). In contrast, the effect of leaching rock samples that contain largely silicate phases (standard silicate rocks were used) indicate that much lower total concentrations of transition metals were released from the silicate phases. The aqua-regia leach procedure can therefore be used to enhance the contrast between mineralization and lithologic background in regional geochemical exploration studies (Church and others, 1983; 1987).

Sample Analysis using Emission Spectrographic Methods

We analyzed 457 NURE stream-sediment samples (Los Alamos National Laboratory, 1982) for 31 elements using a semiquantitative, direct current-arc emission spectrographic method (Grimes and Marranzino, 1968). None of the lake-sediment samples collected during the NURE sampling in the quadrangle were analyzed. The elements analyzed and their lower limits of determination are listed in table 2. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (magnesium, calcium, iron, and titanium) are given in weight percent; all others are given in parts per million (micrograms/gram). Analytical results are reported in table 6.

ROCK ANALYSIS STORAGE SYSTEM

These analytical results were entered into a computer-based file called Rock Analysis Storage System (RASS). This data base contains both descriptive geological information and the analytical data. Any or all of this information may be retrieved and converted to a binary form (STATPAC) for computerized statistical analysis or publication (VanTrump and Miesch, 1977).

DESCRIPTION OF DATA TABLES

Tables 3 and 4 lists the ICP aqua-regia leachate data for the two suites of stream-sediment samples collected by the USGS and table 5 lists the ICP aqua-regia leachate data for the NURE stream-sediment samples from the Killik River quadrangle. Table 6 lists the emission spectrographic analyses for the NURE stream-sediment samples. For the four tables, the data are arranged so that column 1 contains the assigned field sample numbers. In table 6, columns in which the element headings show the letter "s" below the element symbol are emission spectrographic analyses. A letter "N" in the tables indicates that a given element was looked for but not detected at the lower limit of determination shown for that element in tables 1 and 2. If an element was observed but was below the lowest reporting value, a "less than" symbol (<) was entered in the tables in front of the lower limit of determination. If an element was observed but was above the highest reporting value, a "greater than" symbol (>)

was entered in the tables in front of the upper limit of determination. If an element was not looked for in a sample, two dashes (--) are entered in place of an analytical value.

The spectrographic determinations for As, Au, Bi, Cd, Sb, Th, and W in NURE stream-sediment samples were all below the lower limits of determinations shown in table 2; consequently, the columns for these elements have been deleted from table 6.

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Table 1. Minimum determinate values and recommended values of N for aqua-regia leachate data from stream sediments from the Killik River quadrangle, Alaska.

[All concentrations in parts per million,-- no values]

Element	Minimum Determinate Conc. (ppm)	Recommended value of N (no. of N values)		No. of samples having a higher value for N
Na	68	--		--
K	120	--		--
Mg	300	--		--
Ca	250	--		--
Fe	2700	--		--
Al	1100	--		--
Ti	0.22	0.2	(212)	1
P	41	5.0	(177)	--
Li	.63	.20	(2)	--
Be	.006	.015	(215)	6
Sr	2.7	2.0	(167)	--
Ba	10	2.0	(3)	--
La	.97	1.0	(42)	4
Ce	.92	.90	(229)	5
Y	.07	.04	(104)	3
Zr	.93	.90	(27)	--
Mn	50	--		--
V	4.3	1.0	(167)	--
Cr	5.0	2.4	(30)	12
Co	1.6	2.0	(2)	5
Ni	5.3	1.0	(167)	--
Cu	1.9	--		--
Zn	13.	--		--
Cd	.28	.26	(762)	10
Pb	4.8	2.7	(190)	12
Ag	.9	.60	(763)	6
Mo	.44	.40	(637)	8
Sn	4.5	4.0	(704)	5
As	4.6	4.5	(294)	5
Sb	7.6	5.0	(281)	37

Table 2. Limits of determination for the spectrographic analysis of stream sediments, based on a 10-mg sample

Elements	Lower determination limit	Upper determination limit
	Percent	
Magnesium (Mg)	0.02	10
Calcium (Ca)	.05	20
Iron (Fe)	.05	20
Titanium (Ti)	.002	1
	Parts per million	
Boron (B)	10	2,000
Beryllium (Be)	1	1,000
Strontium (Sr)	100	5,000
Barium (Ba)	20	5,000
Scandium (Sc)	5	100
Yttrium (Y)	10	2,000
Lanthanum (La)	20	1,000
Zirconium (Zr)	10	1,000
Thorium (Th)	100	2,000
Niobium (Nb)	20	2,000
Manganese (Mn)	10	5,000
Vanadium (V)	10	10,000
Chromium (Cr)	10	5,000
Cobalt (Co)	5	2,000
Nickel (Ni)	5	5,000
Copper (Cu)	5	20,000
Zinc (Zn)	200	10,000
Cadmium (Cd)	20	500
Lead (Pb)	10	20,000
Silver (Ag)	0.5	5,000
Gold (Au)	10	500
Molybdenum (Mo)	5	2,000
Tungsten (W)	50	10,000
Tin (Sn)	10	1,000
Arsenic (As)	200	10,000
Antimony (Sb)	100	10,000
Bismuth (Bi)	10	1,000

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
KR001S	68 17 35	155 56 0	--	--	1,100	960	35,000	2,500	.24	350
KR002S	68 18 15	155 47 20	--	--	1,000	940	34,000	1,900	1.1	330
KR003S	68 17 0	155 48 0	--	--	500	730	51,000	1,500	.47	420
KR004S	68 16 35	155 50 50	--	--	640	1,200	45,000	1,300	N	410
KR005S	68 15 30	155 51 10	--	--	3,800	1,000	31,000	8,200	1	330
KR006S	68 15 50	155 57 25	--	--	3,300	980	45,000	7,400	.6	380
KR007S	68 14 50	155 57 55	--	--	6,100	1,200	37,000	13,000	.86	350
KR008S	68 14 45	155 57 0	--	--	2,400	1,200	41,000	5,300	.68	380
KR009S	68 11 50	155 53 25	--	--	790	840	35,000	1,600	N	320
KR010S	68 12 27	155 41 0	--	--	1,200	1,100	54,000	2,700	N	480
KR011S	68 19 35	155 32 10	--	--	2,500	1,200	34,000	5,600	.55	340
KR012S	68 20 20	155 27 10	--	--	940	1,000	34,000	3,100	.5	360
KR013S	68 19 50	155 20 40	--	--	3,300	1,800	81,000	11,000	2	420
KR014S	68 21 5	155 14 50	--	--	3,300	3,000	27,000	8,200	2	610
KR015S	68 16 25	155 13 55	--	--	2,500	1,400	68,000	8,000	4.8	330
KR016S	68 16 10	155 8 20	--	--	2,400	2,500	57,000	7,300	2.5	320
KR017S	68 17 8	155 6 20	--	--	1,700	1,400	66,000	6,100	8.8	280
KR018S	68 17 20	154 59 0	--	--	1,500	1,200	58,000	5,700	7.5	240
KR019S	68 20 50	154 53 55	--	--	7,000	3,600	37,000	13,000	5.3	690
KR020S	68 23 15	154 53 20	--	--	5,600	1,700	36,000	11,000	12	350
KR021S	68 23 55	154 48 25	--	--	2,000	1,100	27,000	5,500	2.4	360
KR022S	68 22 45	154 46 55	--	--	3,100	1,800	32,000	8,100	1.9	570
KR023S	68 20 0	154 44 15	--	--	2,800	2,200	81,000	9,600	1.3	490
KR024S	68 20 35	154 47 35	--	--	5,000	8,400	24,000	8,600	4.7	1,700
KR025S	68 22 20	154 27 45	--	--	8,800	32,000	27,000	11,000	1.2	570
KR026S	68 22 20	154 20 25	--	--	21,000	9,800	39,000	20,000	1,300	230
KR027S	68 23 10	154 20 0	--	--	4,600	4,200	29,000	10,000	.96	290
KR028S	68 23 37	154 10 25	--	--	6,800	13,000	26,000	11,000	2	1,400
KR029S	68 24 15	154 14 0	--	--	22,000	160,000	2,700	1,100	2.6	120
KR030S	68 22 12	154 15 0	--	--	2,400	7,100	5,800	2,200	.65	220
KR031S	68 21 15	154 17 35	--	--	3,400	5,200	34,000	9,400	4.2	260
KR032S	68 21 10	154 18 10	--	--	3,300	4,200	32,000	8,000	.94	280
KR033S	68 17 57	154 12 25	--	--	4,700	1,600	41,000	11,000	6.6	290
KR034S	68 15 34	153 58 15	--	--	4,100	1,400	26,000	8,700	3.6	390
KR035S	68 20 20	154 7 55	--	--	4,300	5,900	34,000	7,800	3	330
KR036S	68 20 30	154 7 30	--	--	1,900	6,700	6,100	1,600	N	120
KR037S	68 21 40	153 58 0	--	--	1,800	2,700	7,400	2,200	N	140
KR038S	68 20 16	153 58 10	--	--	2,900	1,500	25,000	7,000	1.5	250
KR039S	68 20 20	153 56 25	--	--	3,900	2,700	39,000	9,000	9.9	380
KR040S	68 18 32	153 51 10	--	--	2,700	1,000	36,000	6,200	1.9	260
KR041S	68 16 45	153 54 55	--	--	3,100	1,100	26,000	7,100	3	330
KR042S	68 12 42	154 2 25	--	--	4,400	1,600	36,000	9,200	2.2	370
KR043S	68 14 38	153 51 35	--	--	4,200	1,200	20,000	7,300	12	350
KR044S	68 10 30	153 53 50	--	--	5,200	1,600	30,000	11,000	N	340
KR045S	68 12 10	153 55 45	--	--	1,800	1,200	31,000	4,900	.35	400
KR046S	68 11 20	154 4 55	--	--	3,000	1,500	31,000	6,300	2.5	310
KR047S	68 6 32	154 1 5	--	--	6,600	1,400	38,000	14,000	1.9	300
KR048S	68 7 0	153 50 15	--	--	6,800	1,500	40,000	14,000	1.2	340
KR049S	68 4 33	153 48 55	--	--	7,800	1,200	37,000	15,000	.64	300
KR050S	68 59 32	153 51 50	--	--	7,600	1,500	35,000	15,000	3.3	410
KR051S	68 2 36	154 6 55	--	--	2,500	1,200	36,000	5,500	.86	370
KR052S	68 2 28	154 3 55	--	--	4,700	1,800	33,000	9,300	.26	370
KR053S	68 2 52	154 16 15	--	--	3,300	1,200	36,000	6,800	1.3	390
KR054S	68 3 46	154 22 50	--	--	2,900	1,100	27,000	6,300	.74	330
KR055S	68 17 50	154 6 25	--	--	2,000	1,500	50,000	5,400	2.1	300
KR056S	68 15 0	154 7 30	--	--	8,400	1,900	32,000	17,000	3.5	350
KR057S	68 13 28	154 8 45	--	--	7,700	1,300	29,000	13,000	7.8	280
KR058S	68 12 25	154 12 35	--	--	2,200	1,400	44,000	5,100	.46	380
KR059S	68 12 7	154 16 20	--	--	1,400	1,200	39,000	3,700	.57	380
KR060S	68 12 2	154 21 25	--	--	1,400	950	36,000	4,100	.34	370

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V
KR001S	--	N	4.4	33	1.4	2.4	N	--	780	13
KR002S	--	N	5.5	41	1.8	2.7	N	--	990	12
KR003S	--	N	5.6	45	1.3	1.2	N	--	1,300	15
KR004S	--	N	5.8	37	1.8	2.2	N	--	870	13
KR005S	--	N	5.8	43	1.4	1.8	N	--	520	15
KR006S	--	N	5.7	47	1.3	1.1	N	--	930	16
KR007S	--	N	6.5	22	1.3	N	N	--	530	18
KR008S	--	N	6.1	39	1.7	1.9	N	--	850	16
KR009S	--	N	4.9	18	1.7	2.4	N	--	620	9.9
KR010S	--	N	5.1	26	1.7	2.2	N	--	1,100	13
KR011S	--	N	5.4	62	1.4	1.9	N	--	730	14
KR012S	--	N	10	N	1.7	1.6	N	--	1,400	15
KR013S	--	N	11	230	1.5	N	N	--	1,400	30
KR014S	--	N	25	66	2.3	3.3	1.9	--	4,900	22
KR015S	--	N	5.8	110	1.3	N	N	--	910	33
KR016S	--	N	10	100	1.5	N	N	--	630	29
KR017S	--	N	7	130	N	N	N	--	650	37
KR018S	--	N	6.3	86	N	N	N	--	690	37
KR019S	--	N	13	240	3.3	3.8	1.1	--	1,400	32
KR020S	--	N	12	N	3.3	5.9	N	--	2,000	25
KR021S	--	N	10	190	2.6	5	N	--	1,300	14
KR022S	--	N	16	40	2.6	4.2	.59	--	720	18
KR023S	--	N	11	230	1.8	N	N	--	1,100	28
KR024S	--	N	32	48	5.2	3.9	8.9	--	1,300	32
KR025S	--	N(.02)	39	310	2.2	N(1.8)	2.6	--	750	24
KR026S	--	N	13	N	4.6	5.9	.69	--	640	60
KR027S	--	N	29	41	1.4	1.5	N	--	1,100	20
KR028S	--	N(.02)	29	50	4.9	2.2	6	--	570	27
KR029S	--	N(.06)	130	25	N(8)	N(7.2)	3.7	--	53	6.7
KR030S	--	N	10	54	1.4	.92	1.9	--	220	6.9
KR031S	--	N	14	110	1.8	1.3	.75	--	620	31
KR032S	--	N	11	120	1.8	1.6	.91	--	530	29
KR033S	--	N	6.6	120	1.9	2	N	--	560	30
KR034S	--	N	8.7	60	1.9	3.2	1.5	--	300	17
KR035S	--	N	9.4	46	1.7	1.1	N	--	450	20
KR036S	--	N	5.9	11	N	N	.64	--	150	4.3
KR037S	--	N	3.7	25	N	N	.34	--	120	5.6
KR038S	--	N	6.4	59	1.6	1.9	N	--	350	16
KR039S	--	N	8.6	71	1.9	1.6	N	--	660	23
KR040S	--	N	7	87	1.7	2.5	.27	--	400	20
KR041S	--	N	8	53	1.7	3	.51	--	470	16
KR042S	--	N	9.2	60	1.9	1.9	N	--	460	18
KR043S	--	.26	8.1	49	2.1	4.1	1.9	--	200	16
KR044S	--	N	9.2	25	1.5	1	N	--	390	19
KR045S	--	N	8.8	70	1.8	2.9	1.2	--	730	15
KR046S	--	N	6.6	27	1.3	N	N	--	530	14
KR047S	--	N	10	23	1.5	N	N	--	400	18
KR048S	--	N	12	26	2.1	N	N	--	410	18
KR049S	--	N	9.7	28	2.6	2.3	N	--	330	18
KR050S	--	N	14	68	1.7	N	N	--	400	22
KR051S	--	N	7.8	40	1.5	1.5	N	--	610	15
KR052S	--	N	11	43	1.9	2	N	--	400	17
KR053S	--	N	8.3	40	2.5	3.4	N	--	520	16
KR054S	--	N	7.6	25	1.3	1.2	N	--	380	13
KR055S	--	N	8.6	89	1.7	1	N	--	600	29
KR056S	--	N	12	82	2.2	2.2	N	--	410	26
KR057S	--	N	7.4	120	2	2.7	N	--	260	24
KR058S	--	.17	10	55	2	2.4	N	--	780	17
KR059S	--	.26	8.8	150	1.8	2.7	N	--	850	13
KR060S	--	N	8.6	170	1.5	1.9	N	--	1,100	13

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Cr	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
KR001S	<11	11	25	16	40	N	4.8	N	N	N	N
KR002S	<11	12	31	18	250	<.75	27	N	N	N	N
KR003S	N(5.9)	14	31	18	32	N	<5	N	N	N	N
KR004S	N(6.8)	12	26	14	39	N	<4.9	N	N	N	N
KR005S	<16	11	23	18	47	N	<6.3	N	N	N	N
KR006S	<17	13	28	15	37	N	N	N	N	N	N
KR007S	24	13	28	24	55	N	N	N	N	N	N
KR008S	<14	11	26	12	42	N	<4.3	N	N	N	N
KR009S	<11	11	24	12	51	N	6.1	N	N	N	N
KR010S	N(9.9)	16	33	20	110	N	30	N	N	N	N
KR011S	<16	11	23	11	57	N	<4.3	N	N	N	N
KR012S	<15	14	30	12	160	N	16	N	N	N	N
KR013S	<18	18	42	28	160	N	15	N	N	N	N
KR014S	21	16	64	37	160	N	<5.1	N	1.5	N	N
KR015S	<23	17	35	32	93	N	<9.8	N	N	N	N
KR016S	<25	14	31	23	88	N	15	N	N	N	N
KR017S	<26	14	29	33	85	N	11	N	N	N	N
KR018S	<28	14	30	38	66	N	<5.8	N	N	N	N
KR019S	31	15	42	28	87	N	<5.4	N	N	N	N
KR020S	30	19	46	24	93	N	<6.9	N	N	N	N
KR021S	19	9.3	36	16	66	N	<4.7	N	N	N	N
KR022S	26	14	57	31	120	N	<5.8	N	N	N	N
KR023S	<18	14	37	22	97	N	<6.8	N	N	N	N
KR024S	23	11	48	33	130	1.2	<3.9	N	1.9	N	N
KR025S	28	6.4	35	35	75	N(.4)	N(4)	N	N(.8)	N	N
KR026S	28	15	39	54	60	N	N	N	N	N	N
KR027S	24	11	46	41	96	N	<5.3	N	.44	N	N
KR028S	28	7.7	38	36	95	N(.4)	N(4)	N	N(.8)	N	N
KR029S	--	N(16)	36	1.9	29	N(1.8)	N(16)	N(2.4)	N(3.2)	N(16)	N(16)
KR030S	7.7	2.5	8.6	9.1	24	.20	N	N	.56	N	<8.4
KR031S	30	15	32	26	72	N	<6.5	N	N	N	N
KR032S	35	14	28	24	63	N	<5.3	N	N	N	N
KR033S	30	14	29	24	62	N	<5.7	N	N	N	N
KR034S	20	8.6	21	12	42	N	<4.7	N	N	N	N
KR035S	22	8.7	22	15	53	N	<4.5	N	N	N	N
KR036S	6.6	N	5.3	2.7	13	N	N	N	N	N	<4.1
KR037S	9.2	N	6.9	3.9	17	N	N	N	N	N	N
KR038S	20	6.9	19	18	42	N	<3.1	N	N	N	N
KR039S	24	11	26	16	63	N	<5	N	N	N	N
KR040S	19	9	28	16	45	N	<4.6	N	N	N	N
KR041S	20	9.3	21	13	44	N	6.1	N	N	N	N
KR042S	24	12	25	16	52	N	<6.4	N	N	N	N
KR043S	21	8.8	20	10	36	N	6	N	N	N	N
KR044S	28	11	25	17	50	N	<5	N	N	N	N
KR045S	<17	12	24	18	53	N	7	N	N	N	N
KR046S	20	8.8	23	15	55	N	<5.8	N	N	N	N
KR047S	30	12	30	22	64	N	<6.3	N	N	N	N
KR048S	<28	14	35	32	78	N	<7.4	N	N	N	N
KR049S	31	11	32	22	64	N	<6.8	N	N	N	N
KR050S	34	12	34	18	69	N	<7.1	N	N	N	N
KR051S	<19	9.5	28	15	61	N	<5.8	N	N	N	N
KR052S	24	11	28	19	64	N	<6.3	N	N	N	N
KR053S	<20	12	28	16	63	N	8.4	N	N	N	N
KR054S	19	6.9	23	13	49	N	<4.3	N	N	N	N
KR055S	<24	15	29	24	70	N	7.7	N	N	N	N
KR056S	37	15	32	24	62	N	<5.5	N	N	N	N
KR057S	28	11	24	16	46	N	<5.8	N	N	N	N
KR058S	<17	15	28	21	58	N	8	N	N	N	N
KR059S	<15	15	28	20	73	N	12	N	N	N	N
KR060S	<14	13	28	17	70	N	8.5	N	N	N	N

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
KR061S	68 14 0	154 21 55	--	--	3,500	1,500	35,000	6,600	6.8	290
KR062S	68 8 45	154 13 0	--	--	4,100	1,900	40,000	8,900	.76	400
KR063S	68 7 20	153 36 15	--	--	7,100	1,200	36,000	14,000	2.6	300
KR064S	68 9 55	153 37 35	--	--	8,600	1,600	41,000	17,000	1.6	360
KR065S	68 12 0	153 42 30	--	--	4,100	1,600	47,000	8,800	1.2	350
KR066S	68 18 25	154 34 55	--	--	2,600	1,400	47,000	5,800	3.6	290
KR067S	68 15 25	154 35 0	--	--	2,900	1,600	38,000	4,800	3.8	260
KR068S	68 14 28	154 38 15	--	--	2,400	1,100	31,000	5,100	4.6	250
KR069S	68 13 37	154 36 35	--	--	3,600	3,600	53,000	3,900	.78	380
KR070S	68 14 28	154 31 5	--	--	2,100	1,200	40,000	3,000	.82	260
KR071S	68 11 55	154 29 35	--	--	1,600	1,000	33,000	4,900	1	310
KR072S	68 9 18	154 33 10	--	--	940	930	28,000	2,800	N	350
KR073S	68 9 53	154 19 40	--	--	760	570	40,000	2,500	N	350
KR074S	68 6 19	154 33 0	--	--	3,400	1,100	37,000	8,000	1.7	340
KR075S	68 7 40	154 39 35	--	--	6,800	2,000	38,000	12,000	1.9	290
KR076S	68 10 5	154 44 0	--	--	2,900	1,200	30,000	6,300	9.2	310
KR077S	68 8 17	154 21 20	--	--	7,600	1,400	39,000	16,000	3.9	340
KR078S	68 9 10	154 53 50	--	--	1,800	920	37,000	5,600	5.5	300
KR079S	68 9 11	154 54 50	--	--	1,800	930	51,000	5,800	2	290
KR080S	68 10 45	153 32 55	--	--	7,400	1,600	42,000	16,000	2.1	320
KR081S	68 10 50	153 32 5	--	--	8,500	1,700	56,000	18,000	7.9	320
KR082S	68 12 30	153 28 5	--	--	7,700	2,900	68,000	14,000	.88	350
KR083S	68 11 0	153 23 35	--	--	6,900	2,500	58,000	9,300	.58	310
KR084S	68 12 25	153 22 40	--	--	6,600	3,000	69,000	11,000	.93	330
KR085S	68 12 35	153 16 10	--	--	6,800	2,000	63,000	15,000	1.7	300
KR086S	68 12 10	153 7 50	--	--	4,200	1,400	48,000	9,700	.89	280
KR087S	68 9 50	153 5 40	--	--	6,200	2,200	63,000	9,800	1.3	290
KR088S	68 13 40	153 4 10	--	--	3,400	1,000	28,000	7,700	5.7	280
KR089S	68 9 10	153 9 5	--	--	7,200	2,600	61,000	15,000	.39	370
KR090S	68 7 45	153 16 35	--	--	5,200	1,800	46,000	12,000	N	350
KR091S	68 7 58	153 22 55	--	--	6,500	1,700	54,000	14,000	.52	350
KR092S	68 15 25	153 43 35	--	--	4,900	1,200	24,000	9,400	.68	290
KR093S	68 16 45	153 44 0	--	--	2,100	1,200	28,000	4,600	3.3	360
KR094S	68 4 0	153 32 12	--	--	710	1,100	37,000	1,700	N	460
KR095S	68 1 25	153 29 50	--	--	1,300	1,300	31,000	2,700	.22	400
KR096S	68 0 0	153 28 35	--	--	2,000	1,500	29,000	3,800	.3	360
KR097S	68 4 40	153 6 35	--	--	1,100	500	33,000	3,100	1.2	310
KR098S	68 5 2	153 16 55	--	--	890	850	35,000	2,900	N	390
KR099S	68 6 28	153 24 0	--	--	2,200	990	30,000	4,700	.48	400
KR100S	68 10 34	153 53 45	--	--	7,700	1,500	36,000	15,000	1.1	340
KR101S	68 11 37	153 57 50	--	--	2,100	1,500	35,000	5,200	N	380
KR102S	68 7 15	154 2 25	--	--	5,900	1,600	42,000	13,000	.75	340
KR103S	68 7 30	153 57 30	--	--	4,200	1,500	35,000	9,400	.4	330
KR104S	68 6 45	153 48 0	--	--	7,800	1,500	58,000	18,000	.39	330
KR105S	68 6 18	153 44 25	--	--	11,000	3,000	64,000	22,000	N	390
KR106S	68 4 12	153 50 25	--	--	10,000	1,100	49,000	20,000	.66	260
KR107S	68 1 25	153 56 30	--	--	1,400	1,300	32,000	3,100	.31	390
KR108S	68 2 0	153 58 15	--	--	3,300	1,600	38,000	6,600	.8	420
KR109S	68 5 20	154 11 55	--	--	5,000	1,000	38,000	11,000	.76	430
KR110S	68 4 47	154 15 40	--	--	3,500	1,100	24,000	7,600	2.9	310
KR111S	68 8 6	154 23 15	--	--	1,600	1,200	29,000	4,300	1.9	360
KR112S	68 16 4	154 6 0	--	--	5,800	1,500	33,000	13,000	5.1	270
KR113S	68 15 0	154 12 40	--	--	5,300	1,900	20,000	9,800	9.4	200
KR114S	68 12 40	154 10 20	--	--	2,190	910	24,000	4,800	3.1	270
KR115S	68 12 25	154 12 32	--	--	1,800	1,100	34,000	4,700	1.7	350
KR116S	68 11 58	154 19 20	--	--	1,100	1,100	34,000	3,100	1.6	360
KR117S	68 13 35	154 28 50	--	--	3,500	1,200	25,000	7,000	18	250
KR118S	68 9 25	153 39 55	--	--	780	1,400	38,000	17,000	4.4	330
KR119S	68 11 26	153 54 35	--	--	7,200	1,500	29,000	14,000	3	350
KR120S	68 12 58	153 42 35	--	--	5,800	1,400	29,000	13,000	2.1	310

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V
KR061S	--	N	7.9	170	1.6	1.6	N	--	360	25
KR062S	--	N	11	26	2	1.7	N	--	800	18
KR063S	--	N	9.4	27	1.2	N	N	--	330	21
KR064S	--	N	13	28	1.6	N	N	--	360	22
KR065S	--	N	13	48	2.1	1.8	N	--	510	23
KR066S	--	N	6.3	89	1.4	N	N	--	540	23
KR067S	--	N	6.7	180	1.2	N	N	--	460	19
KR068S	--	N	4.9	77	N	N	N	--	350	19
KR069S	--	N	9.8	58	1.7	N	N	--	590	22
KR070S	--	N	6.9	140	1.4	N	N	--	620	19
KR071S	--	N	11	170	1.2	N	N	--	530	14
KR072S	--	N	6.7	45	1.7	2.6	.49	--	940	9.3
KR073S	--	N	12	46	1.6	1.3	N	--	1,000	16
KR074S	--	.026	7.5	61	1.4	.94	N	--	610	15
KR075S	--	N	11	59	1.5	N	N	--	420	17
KR076S	--	N	6.8	70	1.2	1.4	.64	--	490	18
KR077S	--	N	7.6	47	1.1	N	N	--	560	20
KR078S	--	N	6.9	76	N	N	N	--	660	18
KR079S	--	N	7.3	61	N	N	N	--	890	18
KR080S	--	N	12	27	1.4	N	N	--	360	21
KR081S	--	N	12	24	1.5	N	N	--	370	22
KR082S	--	N	15	26	1.6	N	N	--	440	20
KR083S	--	N	17	23	1.6	N	N	--	420	16
KR084S	--	N	15	27	1.6	N	N	--	470	18
KR085S	--	N	18	40	1.6	N	N	--	630	23
KR086S	--	N	12	45	1.4	N	N	--	690	18
KR087S	--	N	13	27	1.5	N	N	--	420	22
KR088S	--	N	6.3	78	1.2	1.4	N	--	270	19
KR089S	--	N	16	46	1.6	N	N	--	520	24
KR090S	--	N	12	25	1.5	N	N	--	440	19
KR091S	--	N	12	22	1.2	N	N	--	460	21
KR092S	--	N	9.1	53	2	3.6	.46	--	280	17
KR093S	--	N	7.6	51	1.7	3.2	1.2	--	580	15
KR094S	--	N	8.6	18	1.8	1.9	N	--	680	6.9
KR095S	--	N	8.2	14	1.9	2.2	N	--	460	7.4
KR096S	--	N	7.5	11	1	N	N	--	380	6.9
KR097S	--	N	8.6	26	1.1	1.3	N	--	580	8.4
KR098S	--	N	7.7	20	1.6	1.8	N	--	600	9.3
KR099S	--	N	9.5	28	1.3	1.5	N	--	620	11
KR100S	--	N	9.3	25	5.3	8.8	N	--	340	21
KR101S	--	N	8.7	25	1.6	1.6	N	--	560	13
KR102S	--	N	9.8	26	1.5	N	N	--	560	20
KR103S	--	N	7.6	19	1.4	N	N	--	470	16
KR104S	--	N	12	26	1	N	N	--	560	23
KR105S	--	N	19	29	N	N	N	--	520	25
KR106S	--	N	9.5	24	2.9	2.3	N	--	390	23
KR107S	--	N	8.2	35	1.7	2.8	N	--	540	9.4
KR108S	--	N	9.9	38	2.2	2.7	N	--	480	17
KR109S	--	N	9.4	47	2.1	2.4	N	--	530	19
KR110S	--	.91	6.4	26	<1.1	<.84	N	--	310	12
KR111S	--	.25	7.4	37	<1.4	<1.3	N	--	800	11
KR112S	--	.22	6.4	77	<1.3	N	N	--	350	25
KR113S	--	1.2	5.3	74	<1.1	<.92	N	--	180	16
KR114S	--	.81	5.3	75	<.98	<.85	N	--	390	12
KR115S	--	.58	7.7	70	<1.3	<1.1	N	--	620	13
KR116S	--	.3	10	180	<1.2	N	N	--	890	13
KR117S	--	.79	6	130	<1	N	N	--	280	19
KR118S	--	.006	13	24	N	N	N	--	480	21
KR119S	--	.33	19	61	<1.6	<1.3	1.3	--	450	21
KR120S	--	.2	7.9	42	<1.4	N	N	--	380	22

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Cr	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
KR061S	24	12	25	18	48	N	<4.8	N	N	N	N
KR062S	<22	13	29	21	54	N	<6.7	N	N	N	N
KR063S	29	11	29	21	58	N	<5.9	N	N	N	N
KR064S	30	14	34	29	67	N	<6.3	N	N	N	N
KR065S	<20	14	30	24	62	N	<6	N	N	N	N
KR066S	<19	13	27	25	72	N	<6.5	N	N	N	N
KR067S	<19	11	24	23	50	N	<4.5	N	N	N	N
KR068S	19	7.3	22	19	41	N	<2.9	N	N	N	N
KR069S	<15	14	29	24	56	N	<4.2	N	N	N	N
KR070S	<17	13	28	22	57	N	<4.6	N	N	N	N
KR071S	<14	12	26	32	82	N	16	N	N	N	N
KR072S	<9.9	11	27	13	64	N	6.2	N	N	N	<4.3
KR073S	N(9.6)	12	28	16	70	N	24	N	N	N	N
KR074S	<17	11	28	20	58	N	<6.7	N	N	N	N
KR075S	<22	13	34	27	67	N	<8.2	N	N	N	N
KR076S	<17	10	26	24	43	N	6.4	N	N	N	N
KR077S	28	13	32	24	59	N	<4.6	N	N	N	N
KR078S	<18	12	28	26	56	N	7.3	N	N	N	N
KR079S	<19	16	29	29	120	N	16	N	N	N	N
KR080S	32	14	31	29	69	N	N(3.9)	N	N	N	N
KR081S	<31	15	34	33	77	N	N(3.8)	N	N	N	N
KR082S	<24	15	34	37	84	N	<5	N	N	N	N
KR083S	<21	12	29	33	77	N	<7.1	N	N	N	N
KR084S	<20	14	33	42	85	N	<8.1	N	N	N	N
KR085S	<26	16	35	31	84	N	<7.1	N	N	N	N
KR086S	<24	15	32	31	72	N	<6.3	N	N	N	N
KR087S	<21	12	36	32	86	N	<8.5	N	N	N	N
KR088S	20	8.9	24	18	50	N	<4.9	N	N	N	N
KR089S	<26	16	39	32	81	N	<6.3	N	N	N	N
KR090S	<26	13	33	29	70	N	<7.4	N	N	N	N
KR091S	<29	16	38	34	75	N	<5.7	N	N	N	N
KR092S	19	8.7	20	16	38	N	<5.1	N	N	N	N
KR093S	<16	8.5	22	17	44	N	<4.9	N	N	N	N
KR094S	<11	10	24	11	75	N	8.1	N	N	N	<4.1
KR095S	<11	9.4	23	12	54	N	6.9	N	N	N	N
KR096S	<13	6.1	20	14	41	N	<3.4	N	N	N	N
KR097S	<10	9.3	21	9.5	39	N	5.8	N	N	N	N
KR098S	<9.1	11	27	14	63	N	8.1	N	N	N	N
KR099S	<14	10	25	12	70	N	10	N	N	N	N
KR100S	29	12	28	19	53	N	N(2.8)	N	N	N	N
KR101S	<12	9.6	22	14	49	N	<4.6	N	N	N	N
KR102S	26	14	31	22	62	N	<4.4	N	N	N	N
KR103S	<20	12	26	18	51	N	<4.9	N	N	N	N
KR104S	<28	15	37	32	79	N	N(4.7)	N	N	N	N
KR105S	<28	15	41	35	81	N	N(3)	N	N	N	N
KR106S	<29	14	36	24	73	N	N(3.6)	N	N	N	N
KR107S	<8.8	10	23	14	47	N	6.3	N	N	N	N
KR108S	<19	11	28	17	64	N	7	N	N	N	N
KR109S	<22	12	29	16	64	N	<5.2	N	N	N	N
KR110S	17	5.7	22	11	45	N	<2.8	N	N	N	N
KR111S	<13	6.6	20	13	28	N	<4.1	N	N	N	N
KR112S	27	8.2	25	21	49	N	N(2.8)	N	N	N	N
KR113S	20	5.7	16	10	32	N	N	N	N	N	N
KR114S	<14	6.3	16	10	38	N	5	N	N	N	N
KR115S	<15	8.8	22	15	55	N	10	N	N	N	N
KR116S	<15	9.1	26	17	81	N	8.1	N	N	N	N
KR117S	20	6	18	13	38	N	<3.3	N	N	N	N
KR118S	34	11	32	29	70	N	<6.9	N	N	N	N
KR119S	26	10	25	23	52	N	<7.9	N	N	N	N
KR120S	26	7.6	30	18	52	N	N	N	N	N	N

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
KR121S	68 16 25	154 38 20	--	--	2,400	1,200	29,000	6,800	4.6	230
KR122S	68 15 5	154 37 50	--	--	7,700	900	26,000	2,600	2.8	200
KR123S	68 13 0	154 37 37	--	--	1,600	1,100	30,000	5,200	2	220
KR124S	68 13 28	154 38 35	--	--	2,700	1,400	31,000	5,000	2.5	240
KR125S	68 15 37	154 32 40	--	--	3,100	1,000	26,000	6,700	3.7	240
KR126S	68 13 32	154 31 5	--	--	740	700	34,000	3,700	3.4	240
KR127S	68 8 15	154 28 32	--	--	1,200	1,000	30,000	3,800	2.3	370
KR128S	68 8 22	154 38 0	--	--	1,500	930	30,000	4,500	1.4	320
KR129S	68 9 42	154 42 5	--	--	1,400	1,200	26,000	4,400	3.4	320
KR130S	68 9 50	154 35 55	--	--	1,600	1,000	54,000	5,500	3	370
KR131S	68 7 45	154 50 58	--	--	11,000	2,000	42,000	22,000	5.6	400
KR132S	68 8 32	155 0 12	--	--	6,900	1,700	39,000	15,000	3	380
KR133S	68 8 12	154 59 45	--	--	2,500	2,000	33,000	5,300	.7	470
KR134S	68 14 0	153 30 0	--	--	4,600	1,500	39,000	11,000	1.2	320
KR135S	68 13 42	153 30 35	--	--	8,000	2,000	47,000	18,000	1.9	420
KR136S	68 11 40	153 28 0	--	--	5,200	3,600	48,000	7,400	1.1	360
KR137S	68 13 28	153 25 35	--	--	4,500	2,100	48,000	9,900	N	340
KR138S	68 13 47	153 20 35	--	--	5,600	2,200	40,000	12,000	1.1	320
KR139S	68 11 22	153 15 52	--	--	7,400	2,000	46,000	15,000	1.4	400
KR140S	68 13 30	153 15 0	--	--	6,900	2,100	49,000	14,000	1.1	380
KR141S	68 11 13	153 4 58	--	--	7,100	1,900	39,000	16,000	1.2	360
KR142S	68 9 15	153 5 25	--	--	13,000	4,100	83,000	11,000	2	420
KR143S	68 9 45	153 9 0	--	--	4,000	1,000	44,000	8,000	.9	380
KR144S	68 8 2	153 9 27	--	--	8,300	2,400	46,000	16,000	1	440
KR145S	68 7 42	153 10 55	--	--	6,300	1,400	45,000	15,000	5.8	360
KR146S	68 7 47	153 32 8	--	--	8,300	3,100	49,000	16,000	.59	330
KR147S	68 16 55	153 42 50	--	--	3,700	990	19,000	7,800	2.9	290
KR148S	68 16 28	153 44 0	--	--	2,100	1,100	26,000	5,400	4.1	340
KR149S	68 3 33	153 36 55	--	--	678	1,100	28,000	1,600	.46	330
KR150S	68 8 2	153 24 55	--	--	2,300	1,400	32,000	5,400	<.45	350
KR151S	68 4 50	153 11 2	--	--	320	250	29,000	1,700	.88	250
KR152S	68 6 2	153 19 55	--	--	840	740	33,000	2,700	.69	320
KR153S	68 14 35	153 35 25	--	--	7,300	2,900	36,000	13,000	2	280
KR154S	68 16 28	153 36 35	--	--	3,700	1,700	26,000	7,700	5.4	400
KR155S	68 10 57	153 41 37	--	--	3,600	1,100	17,000	7,300	2.5	270
KR156S	68 17 45	153 33 20	--	--	3,000	1,100	20,000	6,200	9.6	230
KR157S	68 20 25	153 45 25	--	--	1,700	510	12,000	3,400	2.7	130
KR158S	68 22 50	153 32 0	--	--	1,700	1,300	25,000	3,800	6.1	320
KR159S	68 21 0	153 33 7	--	--	1,400	1,200	41,000	3,900	6.1	280
KR160S	68 20 15	153 23 55	--	--	2,000	1,000	24,000	4,000	.76	210
KR161S	68 16 32	153 15 2	--	--	5,700	3,400	36,000	8,900	.88	280
KR162S	68 22 50	153 2 25	--	--	940	1,700	37,000	2,600	2.9	340
KR163S	68 18 30	153 7 5	--	--	4,500	9,700	34,000	9,800	2.1	300
KR164S	68 20 13	153 2 35	--	--	12,000	93,000	8,300	3,600	2	530
KR165S	68 22 6	153 11 57	--	--	35,000	260,000	4,600	4,700	11	260
KR166S	68 22 9	153 17 23	--	--	5,100	6,200	17,000	5,600	3.9	250
KR167S	68 12 42	155 5 7	--	--	3,100	1,200	33,000	6,900	10	260
KR168S	68 14 32	155 12 35	--	--	1,200	1,300	47,000	3,000	89	280
KR169S	68 12 47	155 9 52	--	--	4,300	1,600	36,000	9,600	28	260
KR170S	68 11 37	155 10 35	--	--	2,100	1,100	35,000	5,100	23	240
KR171S	68 9 45	155 11 58	--	--	5,100	1,100	37,000	11,000	.36	330
KR172S	68 8 56	156 8 28	--	--	3,300	1,200	36,000	6,900	2.6	380
KR173S	68 9 29	155 6 2	--	--	3,100	1,100	53,000	8,000	2.7	360
KR174S	68 5 8	156 0 2	--	--	1,400	1,600	38,000	2,800	N	440
KR175S	68 5 10	155 48 8	--	--	6,200	1,500	37,000	12,000	.57	380
KR176S	68 5 0	155 46 18	--	--	6,000	1,200	37,000	13,000	1.5	370
KR177S	68 4 54	155 40 10	--	--	1,700	1,100	37,000	4,800	.81	360
KR178S	68 1 23	156 43 0	--	--	3,600	1,500	46,000	8,300	.53	370
KR179S	68 1 31	155 64 2	--	--	2,500	1,700	37,000	5,700	N	370
KR180S	68 0 10	155 32 35	--	--	690	1,100	50,000	2,400	N	340

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V
KR121S	--	.43	7.6	69	N	N	N	--	370	18
KR122S	--	.61	5.5	92	N	N	N	--	360	18
KR123S	--	.81	6.3	76	N	N	N	--	460	15
KR124S	--	.34	5.8	93	N	N	N	--	330	15
KR125S	--	.62	7.3	82	N	N	N	--	310	17
KR126S	--	.94	7.6	93	N	N	N	--	570	19
KR127S	--	.56	6.6	39	<1.2	<1.1	N	--	820	11
KR128S	--	1	7.1	80	<.94	N	N	--	830	9.4
KR129S	--	1.4	7	74	<.91	N	.25	--	450	9.5
KR130S	--	N	7.4	75	N	N	N	--	890	24
KR131S	--	N	10	31	N	N	N	--	550	23
KR132S	--	N	11	29	N	N	N	--	570	17
KR133S	--	N	10	43	<1.5	<1.3	N	--	530	12
KR134S	--	N	10	65	<1.4	N	N	--	490	23
KR135S	--	N	17	45	<1.9	N	N	--	490	26
KR136S	--	N	20	28	<2.1	N	N	--	400	14
KR137S	--	N	12	73	<1.8	N	N	--	540	28
KR138S	--	N	14	53	<1.7	N	N	--	410	24
KR139S	--	N	16	25	<1.7	N	N	--	420	21
KR140S	--	N	14	35	<1.6	N	N	--	480	22
KR141S	--	N	16	39	<1.6	N	N	--	410	24
KR142S	--	N	19	30	<2.6	N	N	--	530	27
KR143S	--	N	13	27	<1.4	N	N	--	510	16
KR144S	--	N	16	25	<1.5	N	N	--	460	25
KR145S	--	N	11	27	<1.4	N	N	--	600	24
KR146S	--	N	16	25	<1.6	N	N	--	380	20
KR147S	--	N	7.4	47	<1.7	3.2	1.2	--	260	16
KR148S	--	N	7.6	50	<1.7	3.3	1.4	--	510	16
KR149S	--	.049	9.1	16	<2.2	3.1	N	--	500	8
KR150S	--	N	8.1	15	<1.6	<1.1	N	--	370	9.4
KR151S	--	.28	5.5	18	<.96	N	N	--	250	7.9
KR152S	--	N	10	25	<1.6	<2.1	N	--	660	8
KR153S	--	N	15	50	<1.9	<1.4	N	--	400	19
KR154S	--	N	9.6	84	<2.2	3.8	3.1	--	200	19
KR155S	--	N	6.8	52	<1.6	3.6	2	--	190	15
KR156S	--	N	5.2	76	<1.9	3.6	1	--	310	17
KR157S	--	N	2.7	38	<.98	<2	.49	--	160	9.8
KR158S	--	N	8.3	150	<2	3.4	.86	--	490	17
KR159S	--	.26	4.9	92	<1.8	3.3	<.04	--	1,100	22
KR160S	--	N	5.2	58	1.8	2.6	.69	--	380	16
KR161S	--	N	16	67	2.2	2	N	--	410	23
KR162S	--	N	6.5	100	1.9	3	N	--	780	16
KR163S	--	N(.04)	22	96	N(4)	N(3.6)	.35	--	580	30
KR164S	--	N(.08)	100	1,700	N(8)	N(7.2)	5.6	--	110	10
KR165S	--	.097	7.3	39	17	3.9	2.9	--	88	14
KR166S	--	N	6.8	55	1.8	2.4	2.1	--	210	14
KR167S	--	N	6.2	110	N	N	.4	--	560	26
KR168S	--	N	6.6	170	1	N	N	--	610	47
KR169S	--	N	8.4	140	1.1	N	.5	--	340	32
KR170S	--	N	6	100	N	N	N	--	690	26
KR171S	--	N	8.1	31	1.4	N	N	--	640	17
KR172S	--	N	7.5	26	1.3	1	N	--	630	16
KR173S	--	N	9.4	44	N	N	N	--	990	22
KR174S	--	N	11	33	2.2	3.2	N	--	610	14
KR175S	--	N	9.7	27	1.7	1.5	N	--	420	16
KR176S	--	N	9.2	27	5.8	12	N	--	450	19
KR177S	--	N	9.3	46	1.5	1.9	N	--	1,100	11
KR178S	--	N	9.6	33	1.9	2.1	N	--	750	15
KR179S	--	N	10	34	2.5	3.8	N	--	800	13
KR180S	--	N	13	47	2.2	2.2	N	--	1,200	14

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Cr	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
KR121S	20	8	26	25	89	N	16	N	N	N	N
KR122S	19	5.8	20	19	26	N	<2.8	N	N	N	N
KR123S	<17	8	24	24	50	N	<5	N	N	N	N
KR124S	<18	6	20	16	43	N	<3	N	N	N	N
KR125S	20	6.1	21	18	75	N	<5.1	N	N	N	N
KR126S	<16	12	26	27	48	N	<5	N	N	N	N
KR127S	<11	5.9	20	11	36	N	6.2	N	N	N	N
KR128S	<11	9.3	29	15	100	N	5.8	N	N	N	N
KR129S	<11	7.1	22	20	38	N	4.9	N	N	N	N
KR130S	<10	13	33	30	59	N	<6.5	N	N	N	N
KR131S	34	12	38	28	140	N	210	N	N	N	N
KR132S	27	9.7	34	27	77	N	<11	N	N	N	N
KR133S	<14	6.7	27	16	74	N	32	N	N	N	N
KR134S	<23	8.6	31	25	59	N	<4.5	N	N	N	N
KR135S	32	12	37	31	79	N	<7.8	N	N	N	N
KR136S	<17	11	31	35	87	N	9.6	N	N	N	N
KR137S	<22	11	31	25	71	N	<6.3	N	N	N	N
KR138S	25	9.4	30	24	63	N	<4.9	N	N	N	N
KR139S	<20	12	36	36	81	N	<8.9	N	N	N	N
KR140S	<25	12	35	30	80	N	<7.2	N	N	N	N
KR141S	27	10	34	27	73	N	<6.3	N	N	N	N
KR142S	<19	16	49	46	130	N	26	N	N	N	N
KR143S	<18	11	31	26	81	N	9.2	N	N	N	N
KR144S	32	14	39	34	82	N	<7.9	N	N	N	N
KR145S	30	16	36	32	77	N	<8.9	N	N	N	N
KR146S	<27	15	36	31	78	N	<6	N	N	N	N
KR147S	15	7	17	10	31	N	<3.4	N	N	N	N
KR148S	<15	8.2	20	19	41	N	<4	N	N	N	N
KR149S	<7.4	9.7	22	12	57	N	7.3	N	N	N	<8.4
KR150S	<15	9.7	27	17	53	N	<4.6	N	N	N	N
KR151S	<8.6	5.2	12	7.0	47	N	7.4	N	N	N	N
KR152S	<11	9.9	22	14	66	N	8.4	N	N	N	N
KR153S	22	14	28	32	62	N	<3.6	N	N	N	N
KR154S	10	8.1	22	14	33	N	<2.8	N	N	N	N
KR155S	16	7.6	17	11	36	N	<4.4	N	N	N	N
KR156S	18	8.2	18	12	29	N	<3	N	N	N	N
KR157S	11	5.1	9.4	7	19	N	<2.3	N	N	N	N
KR158S	16	8.9	17	13	40	N	<5	N	<.50	N	N
KR159S	<16	16	26	28	61	N	6.9	N	N	N	N
KR160S	<14	6.6	18	13	39	N	<4.6	N	N	N	N
KR161S	<20	9.6	27	25	62	N	10	N	N	N	N
KR162S	<10	11	25	17	46	N	7	N	N	N	<7.6
KR163S	32	N(8)	38	18	100	N(.8)	13	N(1.20	N(1.6)	N(8)	N(11)
KR164S	--	N(16)	17	8.4	59	N(1.6)	N(16)	N(2.4)	N(3.2)	N(16)	N(16)
KR165S	N(4)	N(8)	12	2.6	34	N(.8)	8.9	N(1.2)	N(1.6)	N(8)	N(8)
KR166S	12	4.4	14	12	32	N	<3.7	N	N	N	N
KR167S	22	10	29	28	320	1.5	23	N	N	N	N
KR168S	<22	11	28	30	49	N	<6.2	N	N	N	N
KR169S	25	10	33	32	40	N	<3.9	N	N	N	N
KR170S	<18	10	28	29	410	2	39	N	N	N	N
KR171S	23	11	30	28	190	N	35	N	N	N	N
KR172S	<17	12	29	19	73	N	12	N	N	N	N
KR173S	<16	15	34	33	170	N	25	N	N	N	N
KR174S	<9.3	11	29	17	55	N	8.7	N	N	N	N
KR175S	<20	13	31	23	62	N	<7.2	N	N	N	N
KR176S	23	14	32	22	58	N	<6.5	N	N	N	N
KR177S	<10	9.4	26	14	40	N	<2.8	N	N	N	N
KR178S	<14	11	30	19	63	N	<4.7	N	N	N	N
KR179S	<11	12	28	17	80	N	10	N	N	N	N
KR180S	N(4.9)	14	29	21	61	N	7.7	N	N	N	N

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
KR181S	68 1 56	155 40 5	--	--	790	930	48,000	2,200	1.2	320
KR182S	68 4 35	155 24 40	--	--	1,500	1,900	55,000	2,500	N	380
KR183S	68 3 40	155 12 25	--	--	860	1,000	35,000	1,800	N	330
KR184S	68 5 32	155 17 2	--	--	1,400	2,000	41,000	2,300	N	390
KR185S	68 12 32	154 48 10	--	--	3,100	1,200	40,000	7,000	9.2	290
KR186S	68 13 50	154 47 58	--	--	1,800	1,300	33,000	5,000	6.9	270
KR187S	68 16 38	154 51 55	--	--	2,200	1,200	43,000	7,200	3.3	250
KR188S	68 4 27	154 38 9	--	--	2,400	1,300	39,000	8,300	3.2	260
KR189S	68 2 53	154 26 13	--	--	2,400	1,600	34,000	6,000	7	230
KR190S	68 3 37	154 24 35	--	--	1,200	1,300	37,000	2,800	61	220
KR191S	68 6 2	155 20 27	--	--	3,000	1,800	29,000	6,100	N	470
KR192S	68 6 47	155 31 33	--	--	2,200	1,300	32,000	4,500	N	440
KR193S	68 7 33	155 45 28	--	--	850	1,100	29,000	1,800	N	430
KR194S	68 8 12	155 53 40	--	--	880	1,000	36,000	2,400	N	460
KR195S	68 10 33	155 59 36	--	--	930	1,300	37,000	1,800	N	440
KR196S	68 12 30	155 35 58	--	--	5,700	1,100	37,000	12,000	.59	320
KR197S	68 14 37	155 39 0	--	--	4,500	1,200	42,000	10,000	.73	340
KR198S	68 15 45	155 38 28	--	--	2,400	1,000	37,000	5,400	.32	370
KR199S	68 16 35	155 37 58	--	--	790	990	33,000	1,700	N	400
KR200S	68 14 2	155 35 58	--	--	6,800	1,500	36,000	14,000	1.2	350
KR201S	68 17 32	153 38 55	--	--	5,300	1,600	31,000	10,000	.89	360
KR202S	68 19 37	153 38 58	--	--	2,500	860	30,000	7,300	1.4	280
KR203S	68 18 34	153 34 10	--	--	2,200	1,100	16,000	4,700	3	270
KR204S	68 22 50	153 48 5	--	--	2,100	1,300	15,000	4,300	1.5	230
KR205S	68 23 35	153 37 25	--	--	2,200	1,900	53,000	7,600	1.8	500
KR206S	68 21 35	153 30 25	--	--	2,000	1,300	16,000	4,000	2.1	380
KR207S	68 21 28	153 25 25	--	--	1,800	840	26,000	4,200	.77	260
KR208S	68 17 12	153 27 35	--	--	2,000	1,300	37,000	3,900	N	300
KR209S	68 17 12	153 28 15	--	--	2,800	1,000	19,000	6,000	5.3	310
KR210S	68 15 55	153 11 50	--	--	6,800	3,800	36,000	12,000	.54	320
KR211S	68 15 45	153 2 57	--	--	2,000	900	29,000	5,100	9.1	260
KR212S	68 19 20	153 7 2	--	--	6,900	5,600	39,000	4,400	N	280
KR213S	68 20 25	153 2 35	--	--	9,400	54,000	45,000	16,000	4.3	500
KR214S	68 21 20	153 7 32	--	--	3,100	1,100	18,000	5,700	7.3	270
KR215S	68 24 35	153 11 0	--	--	3,700	7,500	20,000	4,900	N(.8)	440
KR216S	68 12 0	155 2 0	--	--	1,800	1,000	43,000	5,200	6.2	330
KR217S	68 14 35	155 8 10	--	--	2,400	1,300	40,000	5,700	11	340
KR218S	68 13 12	155 10 55	--	--	2,800	960	41,000	6,400	2.8	360
KR219S	68 12 38	155 13 38	--	--	1,300	1,300	55,000	3,800	22	350
KR220S	68 11 10	155 12 45	--	--	2,600	1,100	41,000	6,300	2.8	380
KR221S	68 9 22	155 18 35	--	--	3,100	1,400	36,000	5,900	N	430
KR222S	68 5 2	155 3 28	--	--	1,200	1,500	44,000	2,100	N	490
KR223S	68 4 32	154 58 28	--	--	4,600	1,400	54,000	9,800	1	460
KR224S	68 4 33	154 46 56	--	--	1,900	1,100	44,000	4,000	N	460
KR225S	68 4 58	154 42 3	--	--	2,700	1,200	32,000	5,900	.62	440
KR226S	68 3 18	154 36 58	--	--	3,300	1,300	37,000	7,900	.56	560
KR227S	68 0 25	154 46 55	--	--	3,900	1,400	50,000	9,200	1.2	550
KR228S	68 1 27	155 5 12	--	--	1,600	950	37,000	3,200	N	480
KR229S	68 0 0	155 15 0	--	--	2,100	1,400	50,000	4,700	.25	560
KR230S	68 0 0	155 18 40	--	--	1,600	1,400	57,000	3,400	N	570
KR231S	68 1 0	155 35 43	--	--	860	1,100	48,000	2,500	N	500
KR232S	68 4 32	155 31 33	--	--	1,300	1,300	52,000	3,100	N	550
KR233S	68 4 28	155 20 58	--	--	1,100	1,600	43,000	2,300	N	540
KR234S	68 4 28	155 12 32	--	--	1,400	1,700	41,000	2,600	N	540
KR235S	68 12 37	154 42 6	--	--	3,000	1,100	26,000	6,100	6.6	350
KR236S	68 13 50	154 54 2	--	--	1,900	1,100	32,000	4,900	4.5	360
KR237S	68 17 5	154 45 33	--	--	1,900	950	36,000	5,900	2.8	370
KR238S	68 18 52	154 26 54	--	--	2,000	1,600	38,000	6,300	8.6	460
KR239S	68 17 40	154 20 24	--	--	6,300	1,400	33,000	13,000	1.9	400
KR240S	68 6 35	155 24 45	--	--	2,000	1,400	41,000	3,700	N	520

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska—continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V
KR1815	--	N	7.5	27	1.3	N	N	--	1,100	13
KR1825	--	N	9.2	25	2.2	1.8	N	--	790	12
KR1835	--	.33	8.8	18	2	2	N	--	600	13
KR1845	--	N	11	23	2.3	1.9	N	--	640	13
KR1855	--	N	6	81	N	N	N	--	520	25
KR1865	--	N	6	130	1.2	N	N	--	530	25
KR1875	--	.092	5.7	120	1.1	N	N	--	790	25
KR1885	--	N	5.9	83	N	N	N	--	760	24
KR1895	--	N	6.4	110	1.3	N	N	--	400	25
KR1905	--	N	5.1	100	1	N	N	--	530	28
KR1915	--	.057	9.9	23	1.8	2.5	.38	--	680	17
KR1925	--	N	6.8	22	1.2	1	N	--	620	16
KR1935	--	N	5.8	31	1.3	2	.69	--	880	14
KR1945	--	.58	5.5	52	1.1	1.5	N	--	1,300	20
KR1955	--	N	7.8	42	1.4	1.7	1	--	1,900	23
KR1965	--	N	8.3	49	N	N	N	--	530	19
KR1975	--	N	7.1	77	1.1	N	N	--	630	21
KR1985	--	N	5.2	32	1.1	N	N	--	680	14
KR1995	--	.067	4.8	37	1.4	2.1	.25	--	990	9.5
KR2005	--	N	11	32	1.3	N	N	--	380	21
KR2015	--	N	8.8	40	1.4	N	N	--	350	19
KR2025	--	N	5.7	75	1.1	1.4	N	--	550	18
KR2035	--	N	4.4	71	1.1	2	1.3	--	380	14
KR2045	--	1.4	3.9	58	1.3	2.2	.94	--	350	13
KR2055	--	N	5.8	170	1.8	1.5	N	--	1,000	24
KR2065	--	.26	5.7	64	1.1	2.6	2.7	--	390	12
KR2075	--	.14	4.3	51	1.2	1.5	.18	--	460	17
KR2085	--	N	7.3	62	1.9	1.9	.52	--	490	20
KR2095	--	N	5.2	60	1.3	2	1.2	--	270	14
KR2105	--	N	13	54	1.4	N	N	--	450	23
KR2115	--	N	4.8	97	N	N	N	--	390	22
KR2125	--	N	14	70	1.5	N	N	--	540	22
KR2135	--	.94	81	180	8.2	6.3	2.4	--	650	29
KR2145	--	N	5.2	74	1.3	1.9	1.6	--	190	15
KR2155	--	N(.4)	15	120	N(4)	N(3.6)	2.4	--	1,100	21
KR2165	--	N	5.8	62	N	N	N	--	830	22
KR2175	--	.36	5.1	87	N	N	N	--	730	25
KR2185	--	N	5.3	39	N	N	N	--	730	17
KR2195	--	.025	5.6	140	N	N	N	--	820	38
KR2205	--	.63	5.8	43	N	N	N	--	890	18
KR2215	--	N	7.2	31	1.2	N	N	--	690	14
KR2225	--	.75	8.7	27	2.4	2.8	N	--	670	15
KR2235	--	.88	7.5	36	1.3	N	N	--	700	10
KR2245	--	.33	6	22	1.3	N	N	--	700	13
KR2255	--	1.3	7.8	33	1.5	1.3	N	--	680	13
KR2265	--	N	8.3	31	1.8	2.2	N	--	620	17
KR2275	--	N	8.1	34	1.5	N	N	--	790	17
KR2285	--	N	6.4	24	2	3.1	N	--	650	11
KR2295	--	N	7.9	26	2	2.3	N	--	760	15
KR2305	--	N	8.8	31	2.1	2.1	N	--	990	15
KR2315	--	.098	12	31	1.9	2	N	--	1,800	15
KR2325	--	N	8.3	26	2	1.9	N	--	880	14
KR2335	--	.64	9.7	23	2.7	3.8	N	--	660	15
KR2345	--	N	10	24	2.7	3.6	N	--	670	14
KR2355	--	N	5.8	120	1.2	1.5	.071	--	380	22
KR2365	--	N	5.5	81	1.1	1.1	N	--	560	22
KR2375	--	N	6.1	100	1.2	N	N	--	610	25
KR2385	--	N	6.6	91	1.4	2	1.3	--	740	26
KR2395	--	N	5.7	98	1.6	1.3	N	--	330	25
KR2405	--	N	7.6	21	1.9	2.3	N	--	640	14

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Cr	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
KR181S	N(6.7)	11	30	18	78	N	8.1	N	N	N	N
KR182S	N(2.9)	12	34	24	72	N	<5.8	N	N	N	N
KR183S	<11	8.1	25	15	48	N	<3.3	N	N	N	N
KR184S	<11	8.7	29	21	60	N	<3.2	N	N	N	N
KR185S	<21	11	29	27	80	N	<6.2	N	N	N	N
KR186S	22	8.4	25	22	39	N	<2.1	N	N	N	N
KR187S	<20	13	28	26	160	N	18	N	N	N	N
KR188S	<21	10	28	32	110	N	21	N	N	N	N
KR189S	23	6.7	23	21	37	N	N	N	N	N	N
KR190S	24	7.9	21	22	38	N	<3.1	N	N	N	N
KR191S	25	13	30	23	230	<.96	35	N	N	N	N
KR192S	23	11	28	20	57	N	8.5	N	N	N	N
KR193S	22	13	30	21	60	N	7.7	N	N	N	<5.8
KR194S	28	18	36	19	72	N(.28)	9.9	N	N	N	<6.3
KR195S	26	17	36	21	42	N	6.7	N	N	N	<7.4
KR196S	26	12	31	23	74	N	<8.8	N	N	N	N
KR197S	<22	14	32	29	180	N	30	N	N	N	N
KR198S	<13	9.9	26	18	47	N	6.5	N	N	N	N
KR199S	<9.5	10	25	13	29	N	4.9	N	N	N	<3.4
KR200S	26	9.7	27	24	58	N	<5.7	N	N	N	N
KR201S	21	8	24	18	51	N	<5	N	N	N	N
KR202S	<18	8.2	24	19	63	N	7	N	N	N	N
KR203S	13	2.9	15	7.8	28	N	<2.1	N	N	N	N
KR204S	10	5.8	13	7.6	35	N	<3.3	N	N	N	N
KR205S	<14	9.5	29	24	72	N	<6.5	N	N	N	N
KR206S	<9.7	3.3	15	11	35	N	7	N	N	N	N
KR207S	<12	6.2	19	14	40	N	<3.7	N	N	N	N
KR208S	<12	9.6	25	21	61	N	5.6	N	N	N	N
KR209S	13	3.8	17	9.7	30	N	<2.7	N	N	N	N
KR210S	23	8.3	27	26	68	N	<4.5	N	N	N	N
KR211S	<15	3.9	20	18	37	N	<2.8	N	N	N	N
KR212S	<12	7.5	24	23	56	N	<4.3	N	N	N	N
KR213S	N	14	49	27	110	N(.4)	22	N(.6)	N(.8)	N	N
KR214S	12	2.8	17	11	29	N	N	N	N	N	N
KR215S	14	N(8)	24	12	75	N(.8)	N(8)	N(1.2)	N(1.6)	N(8)	N
KR216S	<14	12	28	38	290	N	40	N	N	N	N
KR217S	<14	10	28	31	220	N	20	N	N	N	N
KR218S	<13	8.8	27	24	130	N	16	N	N	N	N
KR219S	N(11)	11	25	28	46	N	<5.9	N	N	N	N
KR220S	<12	13	30	28	110	N	10	N	N	N	N
KR221S	<11	9.3	28	18	120	N	15	N	N	N	N
KR222S	N(5.7)	13	31	21	63	N	9.8	N	N	N	<4.5
KR223S	N(10)	14	34	26	94	N	16	N	N	N	N
KR224S	N(6.2)	12	28	19	55	N	7.4	N	N	N	N
KR225S	<12	11	25	14	50	N	7.7	N	N	N	N
KR226S	30	13	30	20	63	N	<6.7	N	N	N	N
KR227S	<28	14	32	24	93	N	12	N	N	N	N
KR228S	<20	13	30	22	62	N	7.1	N	N	N	N
KR229S	<23	15	36	24	88	N	8.3	N	N	N	N
KR230S	<19	15	35	23	76	N	<7	N	N	N	N
KR231S	<21	17	34	24	71	N	8.3	N	N	N	N
KR232S	<20	16	36	23	100	N	10	N	N	N	N
KR233S	<19	15	34	24	63	N	5.8	N	N	N	<4.6
KR234S	<10	14	33	22	62	N	5.5	N	N	N	<6
KR235S	27	10	22	15	53	N	8.3	N	N	N	N
KR236S	24	13	26	26	210	<.42	14	N	N	N	N
KR237S	28	13	28	27	53	N	<4.6	N	N	N	N
KR238S	29	15	30	36	45	N	<5.5	N	N	N	N
KR239S	36	11	26	21	50	N	<3.9	N	N	N	N
KR240S	<22	13	27	17	100	N	20	N	N	N	N

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
KR241S	68 6 32	155 38 2	--	--	1,500	1,400	46,000	3,200	N	540
KR242S	68 7 47	155 48 25	--	--	770	930	40,000	2,000	N	480
KR243S	68 9 35	155 57 30	--	--	830	810	62,000	2,600	N	540
KR244S	68 11 56	155 36 45	--	--	2,200	1,600	38,000	4,300	N	570
KR245S	68 14 2	155 36 8	--	--	5,100	850	35,000	13,000	.46	380
KR246S	68 15 32	155 35 4	--	--	3,000	1,200	34,000	9,100	.58	380
KR247S	68 17 28	155 33 58	--	--	2,000	1,100	26,000	6,000	.32	370
KR248S	68 18 25	155 41 0	--	--	1,100	940	42,000	2,800	.65	450
KR249S	68 10 58	155 23 50	--	--	780	840	39,000	3,000	.9	420
KR250S	68 11 48	155 24 5	--	--	640	640	72,000	2,300	.97	650
KR251S	68 13 47	155 21 2	--	--	2,000	1,100	52,000	6,500	8.5	430
KR252S	68 15 28	155 22 2	--	--	1,800	1,000	48,000	6,700	4.7	390
KR253S	68 17 22	155 21 35	--	--	1,200	1,200	32,000	3,400	1.3	390
KR254S	68 18 2	155 19 35	--	--	730	1,000	47,000	2,000	1.6	450
KR255S	68 15 48	155 1 18	--	--	2,100	1,200	36,000	4,800	5.8	390
KR262S	68 2 15	153 3 5	--	--	690	910	25,000	1,500	2	450
KR263S	68 1 58	153 12 28	--	--	1,000	1,200	27,000	1,900	3.7	470
KR300S	68 9 35	155 22 0	--	--	6,000	1,200	38,000	12,000	1.2	510
KR301S	68 10 50	155 25 58	--	--	6,000	1,200	36,000	12,000	1.1	470
KR302S	68 12 15	155 27 25	--	--	5,700	1,300	37,000	12,000	.92	510
KR303S	68 14 32	155 27 48	--	--	3,200	1,100	31,000	9,200	.44	330
KR304S	68 15 57	155 26 45	--	--	7,100	1,000	36,000	14,000	2	490
KR305S	68 16 47	155 26 25	--	--	2,000	1,200	36,000	4,400	1	400
KR306S	68 17 50	155 26 12	--	--	1,100	1,100	56,000	3,100	1.1	490
KR315S	68 2 0	153 10 45	--	--	500	860	28,000	1,700	N	530
KR316S	68 2 8	153 15 35	--	--	1,400	1,100	26,000	2,900	N	450
KR414S	68 7 5	153 2 5	--	--	3,600	1,300	47,000	8,500	2.3	350

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V
KR241S	--	N	7.1	22	4.1	N	N	--	750	16
KR242S	--	N	5.6	30	1.7	2.2	N	--	890	14
KR243S	--	N	7.3	55	1.7	1	N	--	1,700	22
KR244S	--	N	9.9	30	2.3	3	N	--	670	18
KR245S	--	N	7.4	53	N	N	N	--	700	20
KR246S	--	N	5.9	41	1.4	1.5	N	--	590	17
KR247S	--	N	4.2	32	1.1	1.1	N	--	520	14
KR248S	--	N	6.6	49	1.8	2.5	N	--	1,100	15
KR249S	--	N	6.1	41	1.2	1.5	N	--	830	20
KR250S	--	N	5.1	39	1.6	1.8	N	--	1,800	26
KR251S	--	N	5.6	97	1.3	N	N	--	870	34
KR252S	--	N	4.3	130	N	N	N	--	1,100	31
KR253S	--	N	5.1	41	N	1.4	N	--	860	14
KR254S	--	N	5.1	47	N	N	N	--	1,400	17
KR255S	--	N	5.2	120	1.3	1.4	N	--	730	25
KR262S	--	N	11	13	1.8	3	.21	--	490	9.8
KR263S	--	N	9	13	2.1	3.2	N	--	390	6.3
KR300S	--	N	8.9	39	1.4	.92	N	--	630	18
KR301S	--	N	8.1	36	1.2	N	N	--	690	16
KR302S	--	N	7.6	35	1.7	2	N	--	690	19
KR303S	--	N	6.2	44	N	N	N	--	490	17
KR304S	--	N	6.1	42	1.5	1.9	N	--	640	24
KR305S	--	N	5.1	37	1.2	1.9	N	--	860	17
KR306S	--	N	5	61	1.2	.93	N	--	1,100	18
KR315S	--	N	13	18	1.2	1.4	N	--	550	6.4
KR316S	--	N	7.6	10	1.6	2	N	--	390	7.1
KR414S	--	N	8.9	22	1.7	.97	N	--	530	23

Table 3. Aqua-regia leachate data for minus-30-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Cr	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
KR241S	<21	15	33	22	69	N	7.2	N	N	N	N
KR242S	<20	13	29	16	54	N	6	N	N	N	N
KR243S	<21	15	35	13	56	N	8.1	N	N	N	N
KR244S	24	13	31	24	70	N	6.1	N	N	N	N
KR245S	34	15	38	25	170	N	27	N	N	N	N
KR246S	26	12	27	18	45	N	<5.4	N	N	N	N
KR247S	21	8.5	22	15	60	N	<3.6	N	N	N	N
KR248S	<23	15	38	29	130	N	24	N	N	N	N
KR249S	24	12	28	24	48	N	6.9	N	N	N	N
KR250S	<18	18	39	30	38	N	<5.4	N	N	N	N
KR251S	<20	15	29	31	70	N	<7.3	N	N	N	N
KR252S	32	16	33	33	80	N	9.3	N	N	N	N
KR253S	<18	12	27	22	150	N	13	N	N	N	N
KR254S	<18	16	35	31	490	<1.7	47	N	N	N	N
KR255S	24	13	28	27	54	N	<5.1	N	N	N	N
KR262S	<11	9.9	24	13	56	N	7	N	N	N	<7.1
KR263S	<11	9.5	25	14	52	N	8.2	N	N	N	<6.8
KR300S	31	14	33	25	79	N	10	N	N	N	N
KR301S	25	14	32	25	72	N	13	N	N	N	N
KR302S	27	14	32	24	85	N	<8.9	N	N	N	N
KR303S	26	9.8	28	21	50	N	<6.3	N	N	N	N
KR304S	31	14	32	20	49	N	<5.2	N	N	N	N
KR305S	<17	13	29	22	210	N(.28)	45	N	N	N	N
KR306S	<15	16	34	25	280	N	16	N	N	N	N
KR315S	<13	9.7	28	15	72	N	8	N	N	N	11
KR316S	<10	8.5	24	15	46	N	6.2	N	N	N	N
KR414S	29	17	39	37	86	N	8.9	N	N	N	N

Table 4. Aqua-regia leachate data for minus-80-mesh stream sediments from the Killik River quadrangle, Alaska
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
82KR500S	68 24 3	154 20 7	280	720	7,100	3,800	33,000	11,000	27	190
82KR501S	68 24 19	154 20 28	320	820	6,000	3,100	38,000	13,000	10	190
82KR502S	68 24 0	154 14 31	180	410	11,000	5,900	37,000	14,000	540	89
82KR503S	68 24 18	154 14 21	170	420	9,500	4,200	39,000	14,000	490	120
82KR504S	68 24 21	154 10 45	140	190	2,600	1,800	25,000	6,300	2.1	240
82KR505S	68 22 9	154 10 44	290	940	9,200	41,000	23,000	8,500	11	4,600
82KR506S	68 23 9	154 15 44	230	530	10,000	4,200	36,000	13,000	160	150
82KR507S	68 7 25	155 16 31	150	290	2,200	2,300	41,000	3,500	.96	210
82KR508S	68 7 47	155 17 38	160	340	4,900	2,100	45,000	9,900	2.2	200
82KR509S	68 7 26	155 30 55	180	320	3,800	2,000	42,000	7,800	1.9	180
82KR510S	68 7 10	155 32 6	140	260	1,900	2,200	58,000	3,300	.81	160
82KR511S	68 27 45	155 24 27	340	1,100	7,900	36,000	19,000	2,900	7.4	4,400
82KR512S	68 28 51	155 25 9	290	570	2,400	9,200	18,000	3,300	2.7	990
82KR513S	68 28 9	155 26 37	270	690	3,100	13,000	10,000	3,400	4.3	2,500
82KR514S	68 27 54	155 33 7	330	840	5,100	14,000	17,000	4,000	5.8	1,700
82KR515S	68 27 19	155 29 11	300	630	16,000	48,000	13,000	3,000	7	3,500
82KR516S	68 28 22	155 39 17	230	800	1,800	6,500	13,000	2,700	5	1,400
82KR517S	68 27 48	155 50 25	170	450	2,800	2,300	44,000	6,500	3.9	220
82KR518S	68 20 53	155 49 48	120	320	1,400	1,500	65,000	3,200	1.5	51
82KR519S	68 22 37	155 42 51	270	570	5,100	2,500	34,000	9,700	34	190
82KR520S	68 22 44	155 46 12	120	270	1,300	1,400	47,000	4,500	1.5	170
82KR521S	68 26 9	155 39 48	200	480	4,300	2,800	47,000	9,300	7.7	350
82KR522S	68 24 4	155 33 29	230	470	3,600	2,000	46,000	8,500	2.9	100
82KR523S	68 25 28	155 29 5	180	590	3,100	2,000	42,000	8,600	3.9	260
82KR524S	68 23 36	155 26 30	150	370	2,100	1,600	31,000	6,000	4	210
82KR525S	68 35 24	154 15 1	150	190	6,200	3,300	39,000	9,600	390	160
82KR526S	68 36 19	154 10 48	160	320	3,800	1,900	35,000	8,700	21	260
82KR527S	68 27 0	154 13 51	130	170	2,000	1,300	10,000	5,500	2.9	220
82KR528S	68 28 12	154 15 31	140	270	3,000	2,400	35,000	7,400	20	180
82KR529S	68 30 1	154 15 53	130	310	3,700	1,800	31,000	6,400	72	240
82KR530S	68 30 5	154 20 55	180	560	6,800	2,600	38,000	13,000	40	210
82KR531S	68 28 29	154 24 44	210	810	11,000	3,700	45,000	18,000	21	380
82KR532S	68 27 13	154 25 6	180	430	2,900	1,000	41,000	7,500	3.3	220
82KR533S	68 27 3	154 28 5	200	710	4,800	3,900	40,000	12,000	3.1	590
82KR534S	68 29 6	154 32 11	140	400	1,800	1,200	50,000	5,800	2.8	180
82KR536S	68 25 25	154 38 19	150	370	1,600	1,800	43,000	6,000	1.7	130
82KR537S	68 25 21	154 40 9	150	310	1,600	1,800	48,000	6,500	1.8	55
82KR538S	68 25 35	154 48 36	130	240	930	1,000	23,000	3,200	2	130
82KR539S	68 28 18	154 52 33	130	200	790	970	24,000	2,900	2.3	120
82KR540S	68 24 22	154 55 10	170	330	1,700	1,500	26,000	4,600	3.2	180
82KR541S	68 24 39	154 59 54	--	--	4,300	1,500	53,000	15,000	20	710
82KR542S	68 24 43	155 0 50	--	--	3,700	1,600	42,000	13,000	6.2	760
82KR543S	68 22 53	155 3 51	--	--	1,800	1,600	67,000	9,700	4.5	740
82KR544S	68 23 44	155 6 11	--	--	1,700	1,200	65,000	9,600	5.2	650
82KR545S	68 23 10	155 11 39	--	--	2,500	2,300	41,000	12,000	3.9	980
82KR546S	68 24 45	155 15 2	--	--	3,800	2,500	45,000	14,000	49	880
82KR560S	68 23 45	154 0 0	--	--	3,500	3,400	39,000	12,000	4.5	1,400
82KR561S	68 27 38	153 42 19	--	--	3,200	1,100	31,000	12,000	3.1	500
82KR562S	68 27 7	153 48 34	--	--	2,100	690	28,000	8,700	12	430
82KR563S	68 25 48	153 36 53	--	--	1,600	2,000	72,000	9,200	3.5	1,200
82KR564S	68 27 43	153 28 44	--	--	2,900	1,100	29,000	8,800	190	400
82KR565S	68 27 54	153 25 23	--	--	3,400	1,000	30,000	11,000	17	450
82KR566S	68 31 2	153 7 48	--	--	3,200	2,000	46,000	14,000	62	600
82KR568S	68 34 23	153 23 36	--	--	5,700	3,400	35,000	15,000	850	710
82KR569S	68 33 30	154 31 54	--	--	2,100	4,200	33,000	9,300	6.3	940
82KR570S	68 22 15	154 27 4	--	--	3,600	1,600	38,000	13,000	17	600
82KR571S	68 35 59	154 21 56	--	--	2,900	1,200	43,000	12,000	9.9	800
82KR572S	68 40 24	154 28 47	--	--	6,200	7,500	72,000	21,000	120	4,100
82KR573S	68 47 35	154 16 32	--	--	21,000	3,400	39,000	18,000	370	630
82KR574S	68 49 7	154 20 58	--	--	20,000	3,800	33,000	17,000	510	658

Table 4. Aqua-regia leachate data for minus-80-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
82KR5080S	19	.56	29	270	5.8	11	7.4	2.2	790	35	18
82KR5081S	20	.78	32	270	2.6	4.9	6.5	1.3	970	35	22
82KR5082S	12	.46	16	240	5.1	8.9	6.8	5.6	690	48	18
82KR5083S	11	.47	13	350	3.5	6.1	6.3	5.5	830	47	17
82KR5084S	8.2	.3	7.3	62	1.9	N	4.1	1.3	760	17	12
82KR5085S	14	.61	60	480	24	9.4	44	N	1,300	47	21
82KR5086S	14	.48	22	280	5.9	11	7	3.3	780	41	19
82KR5087S	5.4	.63	11	22	2.4	N	5.9	3.9	680	19	8.8
82KR5088S	15	.64	13	29	2.1	N	5.5	4.5	710	25	18
82KR5089S	12	.53	9.1	21	1.9	N	4.7	4.3	680	20	14
82KR5105S	4.7	.61	9.9	29	2.1	N	6.2	5.3	780	25	9.8
82KR5115S	2.3	.4	45	260	15	7.1	28	N	330	30	8.6
82KR5125S	2.6	.46	30	580	9.4	13	16	.97	1,300	38	10
82KR5135S	3.4	.41	35	760	10	9.4	17	1.5	1,000	27	8.3
82KR5145S	3.4	.47	37	490	7.9	10	15	1.5	1,400	33	10
82KR5155S	3.1	.4	36	480	12	N	24	N	750	34	10
82KR5165S	2.9	.26	39	180	5.5	5.8	11	1.9	300	14	7.5
82KR5175S	7.8	.73	14	510	2.7	8.2	5.9	1.9	2,000	25	13
82KR5185S	2.7	.79	8	240	.97	N	5.7	2	2,400	24	9.1
82KR5195S	13	.59	20	740	3.3	8.3	4.7	2.9	2,700	36	16
82KR5205S	3	.76	7	210	1	N	4.6	1.8	3,100	22	11
82KR5215S	12	.73	17	790	3.1	9.2	7.2	2.6	2,200	34	18
82KR5225S	9.9	.61	12	240	2.7	6.3	5.5	3	1,700	26	17
82KR5235S	8.9	.79	18	920	3.1	11	6.1	2.9	8,900	36	14
82KR5245S	5	.56	14	1,100	2.5	6.3	4.1	1.9	5,500	26	10
82KR5255S	7.3	.48	12	170	3.1	5.7	5	4.9	1,700	52	15
82KR5265S	11	.40	11	360	3	7.1	4.8	2.4	2,300	32	10
82KR5275S	6.4	.24	5.9	39	1.8	N	2.6	1.1	250	15	11
82KR5285S	6.9	.56	15	510	3.1	6.5	5.3	2	10,000	27	14
82KR5295S	10	.44	7.5	95	2.9	5.9	3.9	2.2	1,700	20	17
82KR5305S	20	.65	18	630	5.1	10	5.8	2.1	2,800	45	26
82KR5315S	35	.71	17	520	4.1	12	7.6	2.9	1,300	55	35
82KR5325S	8.9	.66	14	320	2.3	8.4	6	2.5	2,400	27	16
82KR5335S	19	.8	21	500	3.3	7.6	7.6	1.9	3,900	33	21
82KR5345S	5.5	.75	7.4	300	2.1	7.9	5.1	2.9	2,500	28	15
82KR5365S	4.1	.65	7.1	490	2.3	6.7	5.9	2.6	4,800	26	14
82KR5375S	3.5	.60	6.8	350	2	N	5.1	2.4	3,900	28	15
82KR5385S	2.6	.36	5.1	130	1.6	N	2.5	2.1	730	17	8.9
82KR5395S	1.8	.38	4.4	110	1.6	4.5	2.5	2	840	17	9
82KR5405S	4.3	.47	14	570	2.5	7.4	4	2.6	1,900	23	8
82KR5415S	--	.75	18	260	4.3	11	N	--	3,300	37	N
82KR5425S	--	.58	23	140	3.6	7.4	1.2	--	2,900	38	N
82KR5435S	--	.07	9.3	280	<2.2	<1.4	N	--	1,300	36	N
82KR5445S	--	.82	9.5	370	<2	2.4	N	--	1,400	35	N
82KR5455S	--	.60	25	330	3.7	9	2.9	--	8,800	35	N
82KR5465S	--	.63	25	450	5.4	12	1.8	--	5,900	46	N
82KR5605S	--	.36	16	420	4.4	4.5	3.4	--	1,300	29	N
82KR5615S	--	.44	8.5	140	<2.1	3.3	<.098	--	760	23	N
82KR5625S	--	.23	5	120	<1.6	<2.1	N	--	1,200	20	N
82KR5635S	--	.86	8.4	300	4.1	7.6	.31	--	2,200	34	N
82KR5645S	--	.29	6.5	130	4.2	8.2	N	--	1,100	33	N
82KR5655S	--	.31	7.7	150	3.4	8.1	N	--	1,200	33	N
82KR5665S	--	.47	24	240	3.7	7.5	N	--	2,400	42	N
82KR5685S	--	.37	13	270	5.4	9.5	1.6	--	1,800	57	N
82KR5695S	--	.5	37	66	5.8	12	8.3	--	5,600	40	N
82KR5705S	--	.41	18	640	3.2	6.3	N	--	4,100	35	N
82KR5715S	--	.37	11	420	<2.5	4	N	--	1,400	26	N
82KR5725S	--	.69	66	350	8.9	17	4.3	--	2,600	100	N
82KR5735S	--	.37	13	240	5.1	8.7	.61	--	730	53	<23
82KR5745S	--	.3	14	250	5.9	11	1.8	--	760	56	43

Table 4. Aqua-regia leachate data for minus-80-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
82XR5005	15	56	53	120	N	16	N	3.1	N	15
82XR5015	19	56	45	160	N	20	N	2	N	22
82XR5025	15	44	40	86	N	14	N	<1.1	N	10
82XR5035	16	43	45	83	N	13	N	1.4	N	12
82XR5045	9	24	10	54	N	12	N	N	N	9.2
82XR5055	15	65	41	210	2.7	<13	1.2	<5.4	N	15
82XR5065	16	53	50	100	N	15	N	1.9	N	12
82XR5075	15	38	24	390	N	83	N	N	N	16
82XR5085	16	40	26	150	N	36	N	N	N	13
82XR5095	15	37	24	77	N	18	N	N	N	11
82XR5105	18	43	27	86	N	15	N	N	N	13
82XR5115	14	47	41	170	N	<16	N	11	N	25
82XR5125	16	62	36	100	N	15	N	6.6	N	16
82XR5135	12	47	25	150	N	13	N	4.6	N	14
82XR5145	15	71	35	280	1.6	14	N	6	N	16
82XR5155	8.8	40	36	160	1.6	<11	N	<5.1	4.7	14
82XR5168	6.5	30	22	110	N	11	N	3.8	N	11
82XR5175	22	40	21	130	N	17	N	1.7	N	16
82XR5185	22	55	19	180	N	23	N	N	N	15
82XR5195	17	40	25	67	N	17	N	1.6	N	14
82XR5205	28	43	14	330	N	21	N	1.8	N	15
82XR5215	20	58	27	110	N	22	N	1.5	N	19
82XR5225	18	52	24	120	N	24	N	1.2	N	14
82XR5235	27	73	30	140	N	24	N	3.3	N	19
82XR5245	15	47	21	96	N	17	N	2.8	N	13
82XR5255	23	28	13	60	N	14	N	N	N	13
82XR5265	20	34	16	77	N	17	N	1.7	N	14
82XR5275	6.2	17	4.4	36	N	11	N	N	N	8.3
82XR5285	31	82	16	150	N	14	N	1.4	N	14
82XR5295	17	33	9.5	58	N	15	N	N	N	12
82XR5305	22	63	31	100	N	16	N	2	N	16
82XR5315	19	72	37	110	N	20	N	N	N	21
82XR5325	20	57	33	110	N	17	N	1.6	N	14
82XR5335	24	99	67	240	N	21	N	2.8	N	17
82XR5345	20	46	22	110	N	20	N	1.7	N	16
82XR5365	25	39	17	93	N	18	N	N	N	14
82XR5375	24	29	17	76	N	16	N	1.1	N	12
82XR5385	8.5	16	8	36	N	11	N	N	N	8.5
82XR5395	11	16	8.3	39	N	14	N	N	N	9.1
82XR5405	17	28	20	72	N	16	N	2.9	N	11
82XR5415	24	65	42	120	N	16	N	1.2	N	N
82XR5425	19	50	52	120	N	14	N	3.1	N	N
82XR5435	19	38	32	160	N	19	N	N	N	N
82XR5445	18	39	32	95	N	14	N	N	N	N
82XR5455	31	94	50	200	N	18	N	2.3	N	N
82XR5465	28	70	41	150	N	15	N	2.5	N	N
82XR5605	12	32	15	74	N	11	N	<.7	N	N
82XR5615	13	28	23	59	N	11	N	N	N	N
82XR5625	13	20	3.1	49	N	7.8	N	N	N	N
82XR5635	19	38	22	110	N	14	N	N	N	N
82XR5645	19	27	6.2	46	N	8	N	N	N	N
82XR5655	13	25	10	51	N	9.2	N	N	N	N
82XR5665	21	34	20	100	N	<10	N	N	N	N
82XR5685	20	31	15	72	N	<8.5	N	<.66	N	N
82XR5695	28	100	61	260	<1	11	N	5.9	N	N
82XR5705	23	46	24	100	N	<9.6	N	<.97	N	N
82XR5715	15	32	17	78	N	11	N	N	N	N
82XR5725	28	49	21	120	N	<11	N	<.52	N	N
82XR5735	24	140	17	73	N	<8	N	N	N	N
82XR5745	24	150	15	55	N	<8.7	N	N	N	N

Table 4. Aqua-regia leachate data for minus-80-mesh stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
82XR575S	68 49 59	154 17 34	--	--	6,500	1,500	25,000	12,000	8	510
82XR576S	68 52 43	154 13 29	--	--	3,800	1,400	37,000	8,700	5.6	600
82XR577S	68 55 45	154 11 11	--	--	1,400	1,100	70,000	5,700	6.5	820
82XR578S	68 57 53	154 15 9	--	--	5,100	1,600	45,000	10,000	4.5	620
82XR579S	68 58 45	154 25 18	--	--	3,200	1,500	51,000	10,000	3.3	830
82XR580S	68 51 56	154 36 7	--	--	2,100	1,100	41,000	7,800	3.6	580
82XR581S	68 51 50	154 33 34	--	--	2,900	1,500	48,000	9,100	3.7	590
82XR582S	68 50 58	154 35 4	--	--	3,300	1,200	37,000	8,200	6.4	570
82XR583S	68 30 11	154 42 15	--	--	5,100	2,100	38,000	13,000	340	590

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
82XR575S	--	.28	8.3	170	3.2	5.9	<.099	--	690	30	<14
82XR576S	--	.29	8.3	170	3.2	5.1	N	--	860	26	N
82XR577S	--	.64	17	250	4.1	5.8	N	--	1,000	34	N
82XR578S	--	.42	11	180	3.5	5.5	N	--	870	32	N
82XR579S	--	.5	11	230	4.4	7.5	N	--	1,400	28	N
82XR580S	--	.42	7.4	150	3.8	6.6	N	--	960	23	N
82XR581S	--	.4	8	210	3.9	7.1	N	--	1,400	26	N
82XR582S	--	.3	7.3	150	3.5	6.7	N	--	1,100	24	N
82XR583S	--	.48	13	590	5.1	13	N	--	2,500	45	N

Sample	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
82XR575S	13	80	8.4	44	N	<8.5	N	N	N	N
82XR576S	17	93	13	53	N	9.8	N	N	N	N
82XR577S	17	38	14	89	N	13	N	N	N	N
82XR578S	16	55	11	74	N	10	N	N	N	N
82XR579S	24	83	34	96	N	16	N	N	N	N
82XR580S	18	60	18	64	N	15	N	N	N	N
82XR581S	24	120	26	62	N	15	N	N	N	N
82XR582S	20	96	17	60	N	11	N	N	N	N
82XR583S	20	50	18	78	N	11	N	<.63	N	N

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
462079	68 24 43	154 43 22	170	440	1,300	1,500	54,000	6,300	1.7	97
462080	68 24 46	154 42 54	190	540	1,500	2,300	87,000	8,000	2.2	390
462081	68 24 47	154 38 43	160	450	1,400	1,400	42,000	7,100	1.9	240
462082	68 25 36	154 36 45	160	860	1,800	2,000	43,000	13,000	3	710
462083	68 24 25	154 33 23	150	390	1,000	1,500	50,000	6,500	1.8	170
462084	68 24 47	154 33 10	150	490	1,200	1,500	40,000	9,300	2.8	300
462085	68 22 52	154 47 4	330	1,600	2,700	2,800	32,000	8,800	2.7	470
462086	68 23 3	154 46 40	230	730	3,000	3,000	43,000	9,700	1.7	270
462087	68 20 53	154 44 51	220	790	2,800	3,700	47,000	8,100	2.8	280
462088	68 20 53	154 45 33	170	430	2,500	4,200	33,000	7,200	2.4	340
462089	68 21 32	154 50 31	180	520	3,600	6,700	34,000	7,500	3.6	500
462090	68 21 28	154 51 12	160	500	2,700	15,000	18,000	7,000	2.9	2,600
462091	68 20 19	154 57 41	250	730	7,100	16,000	25,000	9,300	4.8	1,800
462092	68 20 27	154 58 15	180	710	1,800	11,000	19,000	6,700	2.9	2,200
462093	68 20 25	155 2 37	160	600	2,500	3,400	51,000	9,100	2.1	250
462094	68 21 10	155 5 55	160	630	1,900	3,600	47,000	8,700	3.2	260
462095	68 21 30	155 10 55	190	600	1,800	5,500	23,000	6,700	2.6	480
462096	68 21 26	155 10 16	190	590	2,800	4,800	39,000	8,700	2.8	550
462097	68 20 54	155 10 27	200	760	2,500	2,900	37,000	9,200	3.8	310
462098	68 21 7	155 16 17	190	860	3,900	4,800	45,000	13,000	3.2	400
462099	68 20 53	155 27 47	360	1,200	5,700	3,200	37,000	15,000	3.3	280
462100	68 20 46	155 28 15	370	1,100	5,700	3,400	43,000	15,000	3.1	290
462101	68 40 44	155 42 50	150	390	3,500	1,600	41,000	9,700	19	400
462102	68 43 47	155 46 38	150	380	3,900	3,100	36,000	10,000	12	350
462147	68 20 47	155 35 30	160	470	2,700	2,300	32,000	7,800	1.4	290
462148	68 20 56	155 35 53	200	690	2,700	2,300	32,000	8,400	1.7	300
462149	68 22 46	155 33 28	140	520	2,400	3,200	29,000	8,500	1.7	340
462150	68 23 22	155 32 47	180	900	2,700	17,000	27,000	5,800	4.5	140
462151	68 22 50	155 28 32	150	660	2,900	2,900	22,000	12,000	3	330
462152	68 23 5	155 30 3	200	840	5,800	4,100	32,000	13,000	19	460
462153	68 22 41	155 20 34	190	640	2,400	3,200	51,000	9,600	3.1	330
462154	68 23 14	155 20 59	150	430	1,600	3,800	19,000	6,900	15	510
462155	68 23 49	155 18 28	170	460	1,100	1,200	24,000	5,700	3.5	190
462156	68 22 50	155 11 33	250	1,000	3,200	3,900	29,000	11,000	3.5	320
462157	68 23 42	155 4 55	150	510	1,600	1,300	36,000	7,600	5.3	220
462158	68 23 55	155 4 25	160	650	2,000	1,900	39,000	7,900	6.7	290
462159	68 22 48	154 59 21	160	480	1,900	2,300	38,000	6,400	8.1	320
462160	68 22 58	154 59 8	190	600	1,900	2,500	35,000	6,500	4.8	300
462161	68 22 55	154 54 28	400	820	3,300	4,100	38,000	8,300	3	520
462162	68 23 7	154 52 32	200	590	3,500	2,300	30,000	9,900	5.1	290
462163	68 25 5	154 53 25	190	780	3,800	3,200	33,000	11,000	3.3	240
462164	68 25 9	154 54 7	220	580	3,400	2,200	28,000	9,100	4.8	240
462165	68 24 58	154 58 59	150	390	2,100	2,100	42,000	7,200	3.6	210
462166	68 24 55	155 0 27	180	490	1,700	2,300	33,000	5,700	2.7	200
462167	68 24 33	155 5 35	170	410	1,400	2,500	200,000	6,200	2	N
462168	68 24 37	155 5 10	170	580	2,000	1,800	28,000	5,900	N	N
462169	68 25 25	155 11 7	140	380	1,300	1,300	28,000	7,500	N	N
462170	68 25 41	155 15 12	180	860	5,000	5,900	33,000	15,000	N	N
462171	68 25 35	155 21 18	160	510	2,700	2,100	35,000	8,000	N	N
462172	68 25 35	155 20 38	160	470	2,700	2,400	34,000	7,800	N	N
462173	68 25 19	155 27 17	170	810	4,200	2,200	36,000	15,000	N	N
462174	68 25 25	155 30 28	250	770	3,100	2,700	30,000	8,600	N	N
462175	68 25 37	155 33 3	200	440	2,900	2,400	28,000	7,500	N	N
462176	68 25 42	155 35 18	200	480	3,000	2,600	29,000	8,100	N	N
462177	68 35 24	154 42 58	180	680	5,600	4,200	42,000	14,000	N	N
462178	68 35 29	154 42 19	170	510	3,100	2,000	36,000	11,000	N	N
462179	68 36 4	154 39 44	210	330	600	1,300	130,000	6,100	N	N
462180	68 36 11	154 38 8	200	580	2,600	2,200	89,000	9,800	N	N
462181	68 36 24	154 33 30	170	450	5,500	4,200	30,000	11,000	N	N
462182	68 36 30	154 34 4	190	630	3,200	2,700	28,000	8,500	N	N

Table 5. Aqua-regia leachate data for HUBK stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
462079	4.3	.53	6.8	250	2.6	7	6.1	1.6	760	20	23
462080	6.4	.74	12	540	3	N	8.7	1	450	24	20
462081	5	.56	5.2	250	2.6	6.5	5.8	1.8	370	20	21
462082	8.2	.8	7.4	450	4	6.8	11	2.2	630	30	23
462083	3.5	.49	6.7	500	2.1	4.6	4.3	1.5	3,000	21	18
462084	5.3	.8	5.6	390	3.7	10	9.4	2.1	830	30	24
462085	11	.72	23	340	4.5	10	7.6	1.6	570	28	24
462086	11	.76	12	300	2.3	4.8	6	1.5	870	27	39
462087	7.7	.69	13	340	2.7	5.7	6.4	1.3	1,300	28	54
462088	7.2	.61	12	260	2.8	N	6.3	1.6	570	23	28
462089	6.8	.67	16	380	3.6	4.8	7.9	1.3	610	26	22
462090	5.6	.73	26	820	16	9.9	30	1.1	230	56	34
462091	14	.58	40	850	10	8.3	20	N	710	40	25
462092	6.5	.67	24	800	13	11	24	1.4	460	46	32
462093	9.7	.86	14	430	2.4	5.1	5.9	1.2	2,500	30	26
462094	7	.81	14	330	2.4	4.9	7.6	1.6	1,400	26	21
462095	5.7	.5	33	800	3.8	6.6	9.3	1.2	1,100	22	19
462096	10	.59	31	740	3.5	5.9	9.3	1.2	8,400	26	20
462097	11	.8	14	380	2.2	5.4	6.2	2.1	710	28	24
462098	17	.86	25	610	3.3	7.3	9.5	2	4,500	34	30
462099	27	.71	42	620	3	8.2	6.6	1.9	1,800	41	27
462100	26	.78	43	580	3.1	10	7.3	2.2	4,100	43	27
462101	8.6	.42	6.1	360	3.5	9.8	5.3	3	260	34	23
462102	9.9	.48	11	530	3.6	9.7	6.4	2.3	5,100	31	22
462147	8.6	.58	9.4	72	2.2	5	5.1	2.8	540	18	16
462148	9.2	.62	9.9	71	2.3	5.8	5.1	2.7	560	19	21
462149	8.7	.55	13	310	2.9	7.3	6.4	1.8	1,000	19	18
462150	9.4	.47	52	110	3	6.2	5.5	1.6	280	17	14
462151	8.1	.74	16	690	3.9	11	8.4	2.6	710	33	22
462152	16	.55	23	980	6.1	14	11	2.8	1,100	46	29
462153	9.1	.74	17	420	2.6	7.5	7.8	2.6	1,100	25	22
462154	6.2	.5	16	380	2.8	N	6.3	2.2	260	16	19
462155	3.5	.39	5.9	270	2.5	6.1	4.1	1.3	600	18	27
462156	12	.63	32	910	3.3	7.7	7.8	1.7	2,000	30	21
462157	5.2	.62	5.4	170	2.1	5.7	5.2	1.7	760	24	21
462158	6.0	.71	8.6	330	2.1	6	5.6	1.7	830	24	21
462159	6.5	.67	10	500	2.4	6.6	6	1.5	720	25	20
462160	5.7	.68	9.4	240	2.2	5.6	5.0	1.4	670	23	21
462161	12	.52	31	490	4.3	8.9	7.9	1.7	1,000	33	19
462162	11	.64	22	510	3.9	9.8	6.8	1.8	1,100	29	21
462163	11	.55	34	860	3.9	11	7	2	8,800	32	19
462164	11	.57	20	610	3.5	8.4	5.1	1.8	790	26	20
462165	6.9	.76	8.5	220	2	5.7	5.6	1.8	890	26	21
462166	6.4	.65	8.8	210	2	4.7	5.4	1.4	710	22	17
462167	4.4	.61	18	460	1.2	N	14	N	6,500	15	12
462168	6.7	.57	N	230	2	N	4.7	1.7	510	N	17
462169	4.2	.55	N	420	3.4	7.2	7.7	1.7	820	N	18
462170	14	.65	N	460	5	9.5	8.1	1.2	490	N	25
462171	9.3	.62	N	120	2.3	5.4	5.3	2.3	710	N	18
462172	9.1	.61	N	130	2.3	5.6	5.7	2.4	1,000	N	19
462173	15	.67	N	730	5.2	13	6.7	2.7	1,400	N	28
462174	12	.58	N	530	3.7	8.4	6.8	2.1	1,200	N	20
462175	8.7	.48	N	210	3.1	7	5	2.5	460	N	19
462176	8.4	.5	N	280	3.4	7.4	5.5	2.4	490	N	19
462177	21	.57	N	290	4	9.8	7.5	2.5	1,200	N	27
462178	11	.43	N	190	2.8	6.7	4.5	2.5	870	N	24
462179	1.8	.55	N	400	2.4	N	10	N	50	N	11
462180	9	.62	N	600	3.2	N	8.5	1.5	3,700	N	21
462181	16	.49	N	610	5.1	11	9.2	1.6	1,200	N	25
462182	12	.56	N	780	3.1	7	6.2	1.9	1,300	N	19

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
462079	14	30	15	57	N	13	N	N	N	7
462080	9.8	29	18	56	N	12	N	N	6.4	11
462081	11	27	17	53	N	13	N	N	N	6.4
462082	9.5	38	29	85	N	18	N	N	5.7	7.4
462083	21	28	9.8	62	N	14	N	N	N	6.5
462084	12	28	18	79	N	16	N	N	N	8.9
462085	14	53	33	110	N	17	1.1	1.7	N	13
462086	16	54	25	96	N	15	N	2	28	10
462087	19	65	27	98	N	23	N	2.5	23	8.6
462088	12	32	20	76	N	13	N	N	N	9.4
462089	13	36	25	87	N	14	N	N	N	9.9
462090	8.7	56	40	180	4.3	17	2.5	3.7	6.4	11
462091	11	53	38	140	N	14	1.1	<3.7	N	11
462092	8.7	48	34	150	1.9	18	2.4	3	N	9.7
462093	15	39	20	83	N	16	N	1.1	N	9.4
462094	17	32	19	130	N	24	N	N	N	8.7
462095	9.9	39	32	150	N	15	1.2	2.1	6.5	8.3
462096	20	78	32	210	N	16	N	1.9	5.7	8.8
462097	14	39	27	120	N	26	N	N	5.2	10
462098	20	68	41	200	N	26	N	2.4	8.5	12
462099	18	58	65	130	N	18	N	2.4	N	11
462100	23	68	71	140	N	21	N	3.6	N	16
462101	10	29	11	75	N	12	N	N	7.2	9
462102	31	40	13	110	N	13	N	N	N	6.6
462147	12	31	28	70	N	16	N	N	N	7.8
462148	12	33	20	74	N	17	N	N	N	7.7
462149	11	35	17	87	N	15	N	N	N	7.1
462150	11	35	17	80	N	14	N	N	N	9.3
462151	12	40	39	93	N	18	.95	1.8	N	7
462152	14	54	48	130	N	14	N	2	N	9.6
462153	11	35	18	110	N	20	N	N	N	9.7
462154	6.8	31	34	74	N	11	N	1.1	5.8	6.2
462155	7.3	21	13	53	N	18	N	1.4	N	5.2
462156	15	58	46	130	N	18	N	1.8	N	8
462157	12	23	17	78	N	24	N	N	N	7.5
462158	13	30	21	110	N	25	N	N	N	8.1
462159	13	33	25	100	N	18	N	N	N	9.5
462160	13	32	24	100	N	19	N	N	N	8.8
462161	13	39	43	100	N	16	1	4.4	N	13
462162	14	47	35	100	N	17	.89	2.6	N	11
462163	22	60	43	100	N	17	N	3.1	N	10
462164	13	41	29	88	N	14	.95	1.9	N	10
462165	16	40	32	86	N	15	N	N	N	9.7
462166	13	31	25	68	N	14	N	N	N	7.7
462167	34	40	15	130	N	8.7	N	N	5.7	7.8
462168	11	N	20	110	N	N	N	N	N	7.2
462169	10	N	18	74	N	N	.94	N	N	6.3
462170	10	N	27	77	N	N	N	N	N	8.4
462171	13	N	20	86	N	N	N	N	N	7.9
462172	13	N	21	89	N	N	N	N	N	8.5
462173	15	N	20	88	N	N	N	N	N	8.9
462174	13	N	32	99	N	N	.9	N	N	10
462175	11	N	17	73	N	N	N	N	N	7
462176	11	N	19	78	N	N	N	N	N	6.7
462177	10	N	22	110	N	N	N	N	N	8.4
462178	15	N	13	70	N	N	N	N	N	7.4
462179	4.6	N	15	63	N	N	N	N	N	10
462180	42	N	12	89	N	N	N	N	N	14
462181	14	N	35	120	N	N	N	N	N	8.9
462182	14	N	28	100	N	N	.92	N	N	7.8

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
462183	68 34 52	154 25 57	180	450	4,100	2,500	31,000	11,000	N	N
462184	68 35 4	154 25 40	150	430	3,500	2,700	27,000	9,700	N	N
462185	68 35 19	154 17 14	160	180	2,200	2,100	22,000	5,800	N	N
462186	68 35 16	154 17 56	140	240	3,100	1,800	30,000	8,600	N	N
462187	68 35 41	154 10 9	150	340	3,200	1,200	26,000	9,500	N	N
462188	68 35 41	154 9 30	150	240	2,200	1,400	19,000	7,000	N	N
462189	68 36 13	154 2 45	170	460	2,900	2,800	34,000	6,700	N	N
462190	68 36 16	154 1 46	180	300	2,600	1,100	38,000	8,100	N	N
462191	68 34 29	153 57 57	150	230	2,400	2,300	25,000	6,600	N	N
462192	68 35 12	153 54 16	180	530	3,500	3,000	55,000	11,000	N	N
462193	68 35 21	153 47 8	170	420	3,600	3,300	26,000	9,200	N	N
462194	68 35 32	153 46 48	190	460	3,200	3,200	28,000	9,700	N	N
462195	68 35 14	153 39 14	130	180	1,200	920	11,000	4,400	N	N
462196	68 35 49	153 39 4	240	530	2,700	2,700	29,000	8,600	1.3	380
462197	68 35 23	153 32 26	120	170	1,500	710	18,000	5,300	N	N
462198	68 35 38	153 32 49	110	240	1,800	600	26,000	7,300	N	N
462199	68 34 39	153 28 40	130	390	2,500	1,900	14,000	5,700	N	N
462200	68 34 43	153 27 29	140	430	3,000	2,200	25,000	6,600	N	N
462201	68 35 50	153 19 55	160	180	1,400	1,900	19,000	5,600	7.7	250
462202	68 35 33	153 17 43	150	210	1,600	3,300	190,000	6,200	1.2	N
462203	68 35 30	153 14 48	200	270	1,400	5,500	41,000	7,700	N	N
462204	68 35 43	153 14 31	200	450	2,500	1,900	33,000	12,000	N	N
462205	68 35 10	153 7 28	140	300	1,500	1,200	13,000	7,700	N	N
462206	68 35 24	153 6 37	180	210	1,300	1,100	14,000	7,300	N	N
462207	68 37 47	153 9 3	130	470	7,500	2,500	30,000	13,000	N	N
462208	68 37 39	153 9 40	140	300	3,200	1,900	44,000	7,700	N	N
462209	68 37 27	153 11 30	170	260	1,600	1,000	16,000	7,200	N	N
462210	68 38 9	153 16 21	140	430	500	5,500	290,000	2,900	N	N
462211	68 38 26	153 18 31	170	360	3,300	2,100	53,000	9,100	N	N
462212	68 38 28	153 19 21	160	300	3,600	2,000	29,000	10,000	N	N
462213	68 38 51	153 24 44	160	390	4,400	2,300	34,000	11,000	N	N
462214	68 38 44	153 25 12	210	390	1,900	2,700	51,000	7,400	N	N
462215	68 39 1	153 33 12	170	500	2,900	2,600	31,000	9,200	N	N
462216	68 38 12	153 33 37	150	230	2,000	1,200	16,000	6,200	N	N
462217	68 38 15	153 47 4	140	220	2,200	1,700	18,000	6,400	N	N
462218	68 37 57	153 47 50	210	370	2,400	1,900	23,000	7,400	N	N
462219	68 38 2	153 56 35	160	300	1,800	2,000	170,000	5,600	N	N
462220	68 38 10	153 57 4	140	250	1,600	1,300	110,000	6,300	N	N
462221	68 38 55	154 5 0	140	250	2,000	1,200	28,000	7,400	N	N
462222	68 39 7	154 5 9	170	340	3,700	2,700	32,000	10,000	N	N
462223	68 38 38	154 10 52	140	150	2,400	1,500	20,000	7,200	N	N
462224	68 38 49	154 10 58	160	290	4,000	3,400	35,000	13,000	N	N
462225	68 38 33	154 16 57	130	250	3,300	1,700	26,000	8,000	N	N
462226	68 38 41	154 16 26	210	360	3,600	2,000	28,000	9,400	N	N
462227	68 37 55	154 26 20	220	420	4,600	2,800	42,000	12,000	N	N
462228	68 37 48	154 26 53	180	390	3,700	2,500	28,000	9,500	N	N
462229	68 37 13	154 30 32	190	570	5,600	3,500	32,000	14,000	N	N
462230	68 37 56	154 33 55	190	610	5,200	4,100	39,000	15,000	N	N
462231	68 37 46	154 37 3	200	700	5,400	3,900	40,000	17,000	N	N
462232	68 38 14	154 36 48	210	730	5,000	3,200	50,000	15,000	N	N
462233	68 37 42	154 43 41	240	620	5,900	4,100	32,000	13,000	N	N
462234	68 37 58	154 42 54	220	880	9,000	4,700	43,000	17,000	N	N
462239	68 33 36	155 4 44	190	450	4,500	1,600	37,000	11,000	N	N
462240	68 33 16	155 4 37	150	460	3,100	1,800	30,000	11,000	N	N
462241	68 31 10	155 5 45	210	460	1,800	1,200	120,000	7,600	20	41
462242	68 31 10	155 6 33	150	220	1,900	1,300	69,000	6,500	21	190
462243	68 29 21	155 11 22	220	540	4,000	3,300	41,000	11,000	32	520
462244	68 29 29	155 12 2	180	420	4,300	2,500	29,000	10,000	14	310
462245	68 32 33	155 18 40	230	750	4,900	6,900	86,000	11,000	140	500
462246	68 32 49	155 18 50	250	920	5,300	5,800	57,000	13,000	320	370

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
462183	12	.48	N	510	3.8	7.9	5.8	1.7	1,000	N	27
462184	12	.43	N	510	4	8.1	5.7	2	1,000	N	25
462185	7.8	.22	N	26	2.2	4.7	3.7	1.6	500	N	14
462186	7	.37	N	240	3.5	7	4.5	2.2	540	N	21
462187	10	.37	N	210	3	6.5	3.7	2.2	520	N	21
462188	7	.3	N	270	2.4	5.1	3.5	1.5	320	N	17
462189	7.7	.57	N	280	2.7	6.4	5.3	2.3	660	N	21
462190	6.6	.35	N	76	2.4	5.5	4.7	2.5	180	N	20
462191	8.8	.25	N	34	2.4	5.3	4.3	1.9	700	N	16
462192	13	.46	N	110	2.3	4.9	5.7	3	2,200	N	22
462193	12	.32	N	160	3.3	7	5.2	1.7	720	N	21
462194	12	.39	N	500	3.2	6.2	5.5	1.8	900	N	23
462195	4	.19	N	57	2.1	5	2.4	1.2	95	N	13
462196	17	.48	17	33	1.9	6	5.9	4.6	880	15	21
462197	4.9	.19	N	58	1.9	N	1.8	1.1	140	N	12
462198	5.6	.28	N	78	2	N	2.5	2.2	510	N	16
462199	8.8	.27	N	320	3.1	6.5	3.6	1.2	370	N	13
462200	7.2	.42	N	110	3.5	7.6	4.8	2.8	420	N	17
462201	3.3	.27	6.1	110	2.1	5.1	3.8	2.2	170	12	19
462202	2.6	.41	9.3	200	N	N	8.1	N	950	13	10
462203	3.7	.60	N	410	4.8	9.7	15	2.4	1,500	N	12
462204	8.1	.65	N	290	4.2	9.3	8.9	3.6	460	N	19
462205	5.2	.38	N	140	3.1	7.4	4.7	2.5	140	N	17
462206	4.9	.34	N	110	3.3	7.3	4.7	2.7	130	N	14
462207	20	.39	N	180	4	11	5.8	2.8	600	N	26
462208	8.4	.35	N	150	2.5	7.6	4.4	2.7	3,700	N	15
462209	5.8	.28	N	91	2.4	5.7	4	2.4	150	N	18
462210	N	.34	N	440	N	N	5.7	N	19,000	N	N
462211	6.8	.36	N	150	3.4	6.5	4.7	4	530	N	18
462212	7.9	.36	N	150	4	9.7	4.3	4	270	N	20
462213	11	.42	N	180	4	10	5.4	3	820	N	23
462214	4.5	.4	N	170	2.5	N	7.4	2.3	3,000	N	19
462215	8.8	.37	N	110	3.4	9	4.8	3	920	N	18
462216	5.9	.2	N	62	2	4.8	2.4	2.1	220	N	14
462217	8.4	.22	N	44	1.7	4.6	2.9	2	440	N	13
462218	9.8	.26	N	50	1.8	N	3.2	1.9	680	N	17
462219	3.1	.45	N	97	2.6	5.4	14	1.4	1,900	N	12
462220	5.9	.3	N	59	1.5	4.8	5.8	2.5	1,000	N	13
462221	6.2	.32	N	87	2.1	6.3	3.8	2.8	1,000	N	16
462222	9.8	.43	N	130	2.9	7.7	5.2	3.4	2,000	N	21
462223	7.2	.24	N	90	1.9	5	2.9	1.9	360	N	13
462224	16	.43	N	150	3.9	11	6	3.2	1,100	N	26
462225	8.7	.31	N	150	2.4	6.8	3.5	2.4	1,000	N	17
462226	11	.36	N	220	2.9	8.2	4.5	3.2	1,400	N	23
462227	14	.51	N	460	3.4	11	6.6	2.7	2,000	N	27
462228	10	.4	N	480	3.1	6.9	5.2	2.2	730	N	22
462229	16	.49	N	370	4	11	7.2	2.6	2,000	N	26
462230	18	.58	N	360	4.4	13	8.7	2.9	4,700	N	27
462231	18	.66	N	320	4.4	13	9	2.8	2,600	N	30
462232	19	.57	N	280	4.1	13	8.2	3.2	1,500	N	30
462233	19	.47	N	560	4.7	12	7	2.3	910	N	28
462234	26	.53	N	860	5.6	15	8.9	2.7	1,700	N	37
462239	13	.49	N	270	3.2	9	4.8	2.8	1,100	N	23
462240	8.9	.44	N	310	3.7	10	5.1	3	560	N	21
462241	5.1	.5	6.8	290	1.5	N	5.8	2.2	1,600	30	25
462242	5.1	.49	6.3	390	2.5	8.1	6	2.9	7,600	24	14
462243	14	.64	22	950	5.2	16	8.3	2.7	7,000	44	22
462244	12	.47	16	850	3.8	9.6	5.7	2.5	1,100	34	20
462245	11	.46	32	690	4.9	11	8.4	3.2	18,000	46	22
462246	14	.45	25	280	5.4	11	6.4	3.3	4,200	53	30

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
462183	12	N	18	74	N	N	N	N	N	6.7
462184	11	N	16	69	N	N	N	N	N	6.7
462185	8.6	N	12	47	N	N	N	N	N	5.4
462186	14	N	11	58	N	N	N	N	N	5.5
462187	10	N	11	49	N	N	N	N	N	5.6
462188	6.7	N	10	41	N	N	N	N	N	5
462189	13	N	24	75	N	N	N	N	N	7.8
462190	7	N	13	50	N	N	N	N	N	5.7
462191	9.9	N	13	52	N	N	N	N	N	6.1
462192	20	N	22	90	N	N	N	N	N	9.8
462193	9.7	N	16	61	N	N	N	N	N	5.4
462194	11	N	18	75	N	N	N	N	N	6
462195	4	N	5.6	26	N	N	N	N	N	N
462196	13	40	24	100	N	29	N	N	N	9.8
462197	4.5	N	5.4	27	N	N	N	N	N	N
462198	9.8	N	6.8	39	N	N	N	N	N	5.4
462199	6.8	N	16	46	N	N	N	N	N	5
462200	9.5	N	16	53	N	N	N	N	N	5.5
462201	5.2	19	9.8	49	N	17	N	1.1	N	4.6
462202	12	23	7.8	83	N	N	N	N	5.8	6.1
462203	17	N	25	56	N	N	N	N	N	8.4
462204	12	N	22	89	N	N	N	N	N	N
462205	5.6	N	13	44	N	N	N	N	N	N
462206	4.6	N	18	33	N	N	N	N	N	N
462207	12	N	23	82	N	N	N	N	N	N
462208	51	N	10	68	N	N	N	N	N	4.7
462209	4.7	N	9.1	53	N	N	N	N	N	N
462210	180	N	6.1	160	N	N	N	N	N	N
462211	15	N	8.6	60	N	N	N	N	N	7.1
462212	8.6	N	11	55	N	N	N	N	N	N
462213	30	N	12	71	N	N	N	N	N	5
462214	39	N	11	56	N	N	N	N	N	10
462215	20	N	9	61	N	N	N	N	N	5.2
462216	6.4	N	5.4	39	N	N	N	N	N	N
462217	6.7	N	8.2	47	N	N	N	N	N	N
462218	8.4	N	9.7	52	N	N	N	N	N	N
462219	27	N	15	60	N	N	N	N	N	9.6
462220	14	N	7.5	65	N	N	N	N	N	13
462221	23	N	8.2	61	N	N	N	N	N	N
462222	23	N	13	78	N	N	N	N	N	5.5
462223	8.1	N	7.6	46	N	N	N	N	N	N
462224	16	N	20	72	N	N	N	N	N	5.3
462225	14	N	10	61	N	N	N	N	N	4.6
462226	19	N	12	67	N	N	N	N	N	4.7
462227	20	N	22	93	N	N	N	N	N	10
462228	11	N	16	69	N	N	N	N	N	6.2
462229	19	N	17	88	N	N	N	N	N	4.9
462230	17	N	22	92	N	N	N	N	N	9.1
462231	14	N	24	91	N	N	N	N	N	7.3
462232	17	N	23	93	N	N	N	N	N	13
462233	13	N	25	86	N	N	N	N	N	6.8
462234	18	N	36	100	N	N	N	N	N	12
462239	16	N	19	85	N	N	N	N	N	8
462240	13	N	12	79	N	N	N	N	N	N
462241	25	30	17	80	N	21	N	2.2	5.6	10
462242	56	34	17	92	N	21	N	1.3	N	8
462243	29	67	37	150	N	18	N	2.5	N	12
462244	12	44	21	100	N	12	N	N	N	6.5
462245	68	57	19	130	N	N	N	N	4.7	10
462246	38	36	13	100	N	8.5	N	N	N	6.5

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
462249	68 31 53	155 20 4	190	550	5,700	3,000	40,000	12,000	12	500
462250	68 31 38	155 20 16	170	340	5,700	3,000	32,000	13,000	100	330
462251	68 28 47	155 19 27	190	650	4,100	2,000	31,000	12,000	14	400
462252	68 27 59	155 22 3	230	760	2,100	3,400	18,000	12,000	6.1	940
462253	68 28 8	155 27 4	240	1,100	2,400	10,000	16,000	5,900	2.9	700
462254	68 28 17	155 26 6	260	1,300	2,800	8,800	29,000	8,200	5.1	620
462255	68 29 17	155 26 28	250	830	4,600	8,400	27,000	8,100	25	710
462256	68 29 19	155 27 16	230	750	6,000	5,500	37,000	14,000	42	430
462257	68 32 32	155 26 58	180	600	2,400	1,700	34,000	7,300	4.4	200
462258	68 32 49	155 26 23	210	610	2,700	2,300	34,000	8,100	2.9	300
462259	68 27 50	155 33 32	320	850	6,500	23,000	17,000	6,000	5.3	620
462260	68 27 50	155 34 1	280	730	2,300	7,900	30,000	7,800	5.1	520
462261	68 30 17	156 34 1	180	720	3,100	8,200	25,000	12,000	9.8	460
462262	68 30 4	155 34 33	180	550	1,200	4,400	60,000	6,400	32	1,000
462264	68 29 54	155 38 59	230	1,000	5,500	8,500	35,000	15,000	57	620
462265	68 28 17	155 13 23	210	750	4,200	2,400	27,000	10,000	12	290
462266	68 28 7	155 12 31	200	560	3,100	1,600	28,000	11,000	8.4	270
462267	68 27 38	155 6 47	220	550	1,200	1,300	38,000	8,500	7.7	540
462268	68 28 17	155 1 50	160	450	2,300	2,100	33,000	6,300	5.8	260
462269	68 28 11	155 0 53	190	730	2,300	2,100	30,000	6,000	6.4	250
462270	68 28 34	154 54 11	210	830	3,300	2,800	30,000	10,000	8.4	400
462271	68 28 18	154 54 19	190	610	2,800	2,300	31,000	10,000	6.2	450
462272	68 27 51	154 44 28	210	760	1,800	2,000	41,000	11,000	5.1	480
462273	68 27 51	154 43 43	180	620	1,700	1,900	47,000	8,500	2.8	280
462274	68 27 51	154 39 22	220	1,000	2,300	2,100	27,000	9,300	4.4	330
462275	68 28 5	154 38 52	190	670	1,900	1,700	54,000	7,400	2.8	240
462276	68 27 59	154 30 22	180	630	2,000	1,700	31,000	8,400	2.9	220
462277	68 27 45	154 30 1	180	550	2,200	1,800	22,000	5,900	1.8	200
462278	68 28 42	154 24 11	200	530	8,900	4,000	34,000	15,000	46	290
462279	68 28 24	154 23 48	250	540	6,100	3,400	27,000	12,000	9.8	270
462280	68 27 54	154 19 37	170	330	2,000	1,300	23,000	7,300	5	180
462281	68 27 57	154 18 55	200	440	2,100	960	35,000	11,000	3.9	570
462282	68 28 25	154 17 23	190	290	1,900	1,300	20,000	6,800	1.9	320
462283	68 28 18	154 16 19	200	390	3,600	2,600	26,000	9,000	19	410
462284	68 27 47	154 5 5	220	640	3,500	2,800	35,000	10,000	1.8	620
462285	68 27 30	154 4 22	190	410	3,400	3,100	34,000	9,300	2.3	630
462286	68 26 34	153 54 24	180	280	2,800	2,700	25,000	7,700	2	540
462288	68 27 19	153 48 40	170	360	2,700	1,800	31,000	9,700	3.2	300
462289	68 27 11	153 47 41	170	490	3,300	3,000	48,000	9,900	19	380
462290	68 27 59	153 42 51	200	560	4,500	2,600	35,000	11,000	4.6	310
462291	68 27 47	153 42 31	220	590	4,300	2,600	34,000	11,000	4.2	330
462292	68 28 13	153 37 57	190	460	2,500	2,000	66,000	9,800	5.1	290
462293	68 27 12	153 37 42	170	630	2,700	2,900	36,000	10,000	4.1	300
462294	68 25 23	153 42 59	180	390	3,900	2,400	38,000	9,900	16	320
462295	68 25 20	153 43 35	180	510	5,400	3,600	27,000	13,000	63	360
462297	68 23 4	153 47 5	150	340	4,500	2,700	35,000	11,000	3.8	300
462298	68 23 6	153 48 7	210	620	4,400	2,900	33,000	11,000	4.1	310
462299	68 24 33	153 50 9	200	350	2,300	3,100	18,000	12,000	3.6	440
462300	68 24 51	153 50 54	140	420	3,200	1,400	30,000	12,000	2.8	330
462301	68 30 48	154 44 3	130	360	1,900	1,300	17,000	8,800	2.9	230
462302	68 30 40	154 42 19	150	410	2,400	1,300	25,000	9,800	4	320
462303	68 31 6	154 39 34	220	610	6,200	3,500	28,000	11,000	110	440
462304	68 31 21	154 39 7	190	860	2,800	7,500	37,000	10,000	5.1	390
462305	68 30 18	154 31 51	170	790	3,800	2,000	30,000	10,000	19	360
462306	68 29 50	154 31 13	190	660	4,700	2,600	29,000	10,000	66	350
462307	68 30 35	154 23 37	170	790	5,100	3,700	32,000	14,000	4.5	370
462308	68 31 2	154 22 45	170	880	3,700	3,700	33,000	12,000	7.9	370
462309	68 29 50	154 15 1	150	510	4,300	2,700	35,000	12,000	18	360
462310	68 30 5	154 14 53	150	540	3,500	2,200	32,000	9,600	14	320
462311	68 29 33	154 7 34	110	200	2,300	1,600	20,000	7,000	1.9	340

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
462249	19	.51	9.7	370	5.9	17	8.3	2.6	2,300	40	25
462250	16	.48	11	240	5.1	14	6.2	3.5	950	47	24
462251	12	.47	9.5	270	4.2	10	4.5	2.9	860	36	26
462252	9.2	.77	16	590	14	31	67	2.8	270	17	30
462253	4	.5	38	1,200	6.5	8.8	12	2.2	530	31	15
462254	7.7	.53	36	1,200	7.7	15	12	2.9	800	38	16
462255	9.8	.5	35	1,300	7.9	15	12	2.4	1,700	47	18
462256	22	.53	22	580	7.9	22	11	3.4	1,400	57	26
462257	8.5	.57	7.6	120	1.9	5.7	4.0	2.2	620	22	19
462258	9.6	.6	9.7	160	2	5.7	5.6	2.6	700	22	20
462259	4.9	.44	46	1,100	6.7	9.7	14	N	1,800	36	18
462260	7.1	.6	37	800	6.3	12	12	2.6	2,900	52	18
462261	10	.68	27	720	6	11	12	2.7	920	44	20
462262	3.9	.9	22	820	5.2	7.3	15	N	3,100	29	13
462264	18	.62	31	1,400	6.3	13	9.6	2.7	6,200	56	27
462265	13	.48	17	1,900	3.5	9.4	4.9	2.2	980	32	20
462266	8.9	.53	10	710	3.5	10	4.7	2.6	1,200	32	22
462267	7.1	.58	8.4	670	2.3	N	6.7	3.5	1,400	20	30
462268	7.8	.59	9.3	240	2	7	5	2.2	570	25	17
462269	8.6	.58	10	390	1.9	4.7	4.6	2.1	530	23	19
462270	13	.6	22	870	4.2	11	6.9	2.6	600	31	24
462271	12	.61	20	740	4	10	7.3	2.7	960	29	22
462272	8.7	.74	11	710	3.3	6.6	8.2	2.4	3,800	28	21
462273	6.3	.69	9.9	660	2.9	7.8	8	2.6	4,600	24	18
462274	7	.5	28	1,100	3.2	11	7.7	2.6	6,400	24	19
462275	6.6	.47	14	510	2.2	7.3	4.7	2.4	2,600	19	19
462276	10	.54	10	290	2.4	8.2	4.9	2	640	20	20
462277	7	.47	8.9	110	2.1	6.9	4.1	1.6	180	19	19
462278	28	.47	15	300	4.1	11	5.6	2.1	760	50	36
462279	20	.41	15	270	3.5	9.9	5.4	2	910	36	25
462280	6.8	.32	6.6	320	2.4	7.8	3.5	2.5	1,900	17	18
462281	8.4	.52	5.3	300	4	6.8	6.6	2.8	270	27	32
462282	7.6	.25	5.8	130	2.1	N	3	1.9	580	16	15
462283	12	.39	14	360	3.5	4.9	4.7	2	1,400	29	22
462284	16	.52	11	120	2.9	N	6.9	3.7	820	21	22
462285	15	.47	13	88	2.7	N	6.5	3.4	700	20	19
462286	11	.25	8.9	120	2.3	N	4.5	2	760	16	16
462288	8.8	.3	7.5	110	1.7	5.3	4.1	1.6	680	18	22
462289	11	.38	16	430	3.4	10	6.4	2.5	4,900	23	22
462290	14	.54	11	77	2.2	7.7	5.5	2.4	420	24	23
462291	13	.53	11	99	2.3	8.4	5.8	2.4	930	23	23
462292	7.9	.47	9.2	220	2.3	4.9	7.3	1.9	3,300	23	22
462293	9.8	.66	11	380	2.8	7.6	7.5	1.9	2,500	26	21
462294	10	.42	9	140	2.8	7.8	4.8	2.4	470	25	21
462295	14	.56	12	210	5.2	13	7.1	2.3	530	35	27
462297	14	.51	8.2	82	1.9	5.3	5.5	2.5	450	23	21
462298	13	.57	10	77	2.1	6.5	6	2.6	590	23	22
462299	18	.63	9.2	300	2	N	7.3	2.3	220	21	26
462300	10	.62	5.9	170	2.5	8	7.3	2.6	320	24	23
462301	8.8	.45	8.1	610	2.5	8.6	6.1	1.5	210	22	19
462302	10	.52	8	480	2.5	8.3	6.8	2	230	24	20
462303	15	.4	20	490	4.8	13	7.2	2.3	1,500	38	25
462304	11	.52	36	810	3.6	9.2	8.8	2	11,000	35	19
462305	12	.54	18	980	3.6	10	5.5	1.6	800	29	25
462306	12	.48	26	660	4.6	13	6.3	2.6	1,300	32	26
462307	19	.61	29	850	3.3	11	7.4	2	7,600	36	26
462308	13	.57	38	750	3.9	12	8.6	2.3	5,600	37	27
462309	14	.44	12	110	3.1	9.3	5.3	2.2	1,300	31	26
462310	10	.37	9.8	210	2.7	8.6	4.6	2.3	1,700	24	25
462311	8.7	.21	6.5	40	1.5	6	3.4	1.5	240	13	16

Table 5. Aqua-regia leachate data for BURK stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
462249	16	45	19	86	N	12	N	N	N	9.8
462250	15	36	16	92	N	12	N	N	N	5.3
462251	12	32	15	66	N	13	N	N	N	6.8
462252	5.6	49	50	70	N	24	1.3	N	5.9	5.3
462253	8.8	44	34	130	N	10	N	3.1	N	8.3
462254	11	46	35	180	.86	12	N	3.9	N	9.8
462255	14	56	32	150	N	11	N	3.9	N	12
462256	16	42	44	95	N	15	N	<1.1	N	14
462257	11	31	20	82	N	15	N	N	N	7.4
462258	12	31	21	86	N	17	N	N	N	7.1
462259	14	76	49	310	3.8	10	N	<4.8	8.1	9.9
462260	16	70	44	300	N	13	N	6.6	N	13
462261	15	61	56	120	N	11	N	3	N	10
462262	14	71	45	220	N	N	N	2.7	6.6	21
462264	17	56	31	120	N	12	N	<1.6	N	9.8
462265	12	42	19	96	N	13	N	N	N	6.6
462266	11	34	17	89	N	17	N	N	N	5.5
462267	27	37	15	94	N	11	N	2.6	4.8	5
462268	12	32	22	110	N	17	N	N	N	7.6
462269	11	30	20	110	N	17	N	N	N	6.7
462270	12	38	29	98	N	14	N	1.8	N	9.2
462271	12	38	28	91	N	14	N	1.6	N	8.1
462272	18	39	15	95	N	14	N	N	4.6	6.3
462273	26	41	16	99	N	14	N	N	5	6.4
462274	17	58	67	110	N	15	N	3.9	N	7.6
462275	26	32	12	74	N	12	N	1.2	N	9.2
462276	14	34	17	81	N	14	N	N	N	7.1
462277	7.8	25	14	55	N	13	N	N	4.6	7
462278	13	47	25	79	N	12	N	N	8.8	6.5
462279	12	42	27	74	N	13	N	N	N	8.7
462280	20	23	8.8	50	N	9.9	N	N	N	N
462281	13	30	21	51	N	14	N	3.7	N	11
462282	9.2	19	7.6	46	N	9.2	N	N	N	6.5
462283	12	38	15	75	N	11	N	1.2	N	9
462284	15	37	27	80	N	18	N	N	N	13
462285	13	35	26	76	N	16	N	N	N	13
462286	9.4	26	15	56	N	11	N	N	N	8.5
462288	11	26	8.7	64	N	14	N	N	N	4.8
462289	26	53	14	110	N	13	N	N	N	7.2
462290	13	33	20	68	N	14	N	N	N	6.4
462291	16	34	19	75	N	14	N	N	N	6
462292	39	30	9	68	N	12	N	N	N	6.2
462293	24	33	16	95	N	16	N	N	N	7
462294	9.7	30	11	61	N	13	N	N	N	6.2
462295	11	42	16	75	N	17	N	N	N	5.6
462297	13	32	21	79	N	16	N	N	N	6.7
462298	13	33	21	69	N	14	N	N	N	6.2
462299	7.7	28	32	77	N	14	N	N	N	N
462300	11	31	15	72	N	16	N	N	N	5.3
462301	6.3	23	20	55	N	14	N	1.1	N	4.9
462302	7.5	26	23	59	N	14	N	1.2	N	7.2
462303	15	63	38	110	N	14	N	1.6	N	8.4
462304	19	67	33	240	N	14	N	2.2	N	10
462305	13	37	23	77	N	17	N	N	N	9.5
462306	16	50	26	85	N	15	N	1.1	N	8.2
462307	22	89	32	190	N	17	N	N	N	6.9
462308	20	57	38	130	N	17	N	2.1	N	8.2
462309	15	38	13	69	N	16	N	N	N	6.7
462310	19	36	10	71	N	14	N	N	N	6
462311	7	20	8.1	44	N	12	N	N	N	5.1

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
462312	68 29 55	154 7 27	160	360	2,600	2,100	26,000	8,400	2.1	390
462313	68 29 56	154 2 54	170	480	3,400	2,900	36,000	10,000	3	430
462314	68 30 14	154 2 49	140	300	1,700	1,600	14,000	4,500	1.2	190
462315	68 29 46	153 55 11	170	720	2,800	6,300	69,000	7,900	2.7	410
462316	68 29 47	153 54 20	150	340	2,800	2,400	25,000	7,900	2.5	370
462317	68 30 48	153 48 30	180	430	2,700	1,300	42,000	11,000	2.9	400
462318	68 30 49	153 45 51	140	230	2,300	1,000	22,000	8,600	2.5	250
462319	68 30 19	153 41 4	140	410	2,500	1,100	38,000	9,100	3.7	240
462320	68 30 8	153 40 24	130	210	1,700	800	34,000	8,400	4.6	190
462321	68 29 59	153 33 9	190	410	2,300	930	40,000	12,000	6.9	99
462322	68 30 8	153 32 35	170	450	2,200	850	32,000	11,000	5.6	140
462323	68 30 55	153 28 57	200	660	6,400	3,000	37,000	14,000	59	210
462324	68 30 47	153 28 23	230	800	7,800	4,100	33,000	15,000	99	240
462325	68 29 40	153 19 57	160	450	2,100	5,600	67,000	7,500	7.8	190
462326	68 29 49	153 19 32	230	690	2,400	7,400	39,000	7,100	5.6	720
462327	68 29 50	153 14 32	180	350	3,500	7,500	27,000	6,900	1.3	450
462328	68 29 32	153 14 15	230	450	4,600	5,500	43,000	7,500	.92	460
462329	68 30 13	153 7 42	250	560	2,500	2,400	30,000	12,000	9.9	400
462330	68 30 16	153 6 51	240	670	2,000	3,800	46,000	10,000	9.4	510
462331	68 32 31	153 8 31	200	550	2,500	1,500	31,000	12,000	2.9	440
462332	68 32 39	153 9 19	200	500	2,000	1,300	16,000	12,000	2.9	480
462333	68 33 0	153 13 10	200	330	1,500	1,200	58,000	9,700	3.3	550
462334	68 32 61	153 13 38	230	620	2,100	2,200	39,000	9,300	3.4	540
462335	68 33 36	153 22 4	210	590	3,500	4,100	46,000	12,000	9.5	570
462336	68 33 41	153 23 4	210	690	2,900	3,000	43,000	10,000	11	560
462337	68 33 3	153 27 11	230	620	4,600	5,300	44,000	14,000	120	700
462338	68 32 52	153 27 22	250	610	5,300	5,100	32,000	16,000	110	470
462339	68 32 45	153 33 45	180	320	1,400	720	14,000	8,000	3.7	340
462340	68 33 1	153 34 5	190	430	1,500	690	15,000	9,700	2.6	290
462341	68 33 6	153 41 18	180	360	2,100	1,700	25,000	8,900	4.4	530
462342	68 32 52	153 41 26	200	480	1,200	5,500	140,000	5,100	11	480
462343	68 33 20	153 47 58	220	640	2,800	2,900	27,000	10,000	4.7	670
462344	68 33 9	153 47 41	230	620	2,600	3,500	24,000	8,400	2.9	430
462345	68 33 33	153 56 17	180	430	2,900	1,500	27,000	9,500	1.8	570
462346	68 33 23	153 56 5	210	430	2,700	1,900	32,000	8,900	1.6	480
462347	68 33 17	154 3 12	300	740	4,000	3,700	36,000	11,000	1.8	670
462348	68 32 59	154 3 40	240	560	3,300	2,600	30,000	9,700	1.9	690
462349	68 31 58	154 11 19	230	900	2,300	1,700	43,000	7,900	10	590
462350	68 32 9	154 11 31	130	220	2,000	1,200	23,000	7,500	4.5	440
462351	68 32 35	154 17 35	170	550	640	2,000	190,000	5,000	35	N
462352	68 32 33	154 18 17	210	790	4,100	2,200	27,000	11,000	N	N
462353	68 32 24	154 24 36	210	710	3,400	1,200	28,000	13,000	N	N
462354	68 32 22	154 25 12	230	710	4,800	3,200	28,000	11,000	N	N
462355	68 33 43	154 32 13	270	730	2,400	4,000	23,000	7,000	N	N
462356	68 33 37	154 32 58	250	830	2,800	4,100	25,000	8,200	N	N
462357	68 33 32	154 37 5	270	1,100	3,300	5,200	28,000	11,000	N	N
462358	68 33 38	154 37 42	300	1,000	2,000	6,700	24,000	9,200	N	N
462359	68 32 27	154 45 25	200	820	3,800	2,600	38,000	11,000	N	N
462360	68 32 31	154 46 21	180	760	2,400	4,000	56,000	9,600	N	N
462361	68 40 6	155 26 37	170	1,000	7,800	5,900	41,000	16,000	4	540
462362	68 40 19	155 26 18	230	1,100	6,800	6,500	40,000	18,000	6	640
462363	68 42 50	155 31 25	160	850	4,100	5,600	24,000	9,700	3.2	270
462369	68 33 2	155 44 3	230	790	4,500	4,400	25,000	8,800	3.8	240
462371	68 36 7	155 39 52	170	740	9,000	10,000	20,000	12,000	3.8	370
462372	68 36 20	155 39 14	180	630	5,700	6,000	30,000	9,900	4.2	260
462373	68 37 50	155 40 42	190	870	3,000	4,500	35,000	8,900	5.8	740
462374	68 38 32	155 41 1	150	470	4,500	2,600	31,000	10,000	12	210
462375	68 37 46	155 32 30	180	510	5,100	2,700	48,000	13,000	19	170
462376	68 38 0	155 32 18	170	470	5,200	3,200	51,000	11,000	34	260
462377	68 37 57	155 29 8	210	730	11,000	5,800	40,000	19,000	9.7	360

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
462312	10	.3	8.4	63	2	6.9	4.7	2.3	310	16	21
462313	12	.52	12	130	2.1	7	6.9	3.4	850	20	21
462314	6.8	.22	7.1	63	1.2	N	3	1.7	350	9.4	11
462315	9.2	.32	26	320	1.2	N	4.6	1.1	7,500	14	20
462316	10	.25	8.7	60	1.6	5.4	3.8	1.4	620	16	18
462317	11	.4	6.3	110	3	9.7	6.3	3.1	180	23	25
462318	8.7	.28	4.9	64	1.6	5.2	3.3	1.8	140	17	21
462319	8.6	.34	5	95	1.7	6.2	3.5	2.3	770	20	19
462320	6.2	.47	4.1	110	2.5	8.7	5.9	2.4	180	16	22
462321	6.9	.78	4.9	190	5.2	9.7	9.8	3.2	580	37	23
462322	7.1	.61	4.7	240	4.6	8.1	7.3	3.1	390	34	24
462323	16	.61	15	180	6.7	12	6.2	3.2	1,000	47	32
462324	20	.57	27	160	6.4	11	5.8	3.1	950	40	30
462325	5.4	.49	16	1,100	4.8	N	15	N	53,000	25	7.5
462326	6.1	.36	14	350	3.4	5.4	6.3	N	6,400	19	21
462327	9.9	.34	11	77	2.5	N	5.1	N	510	19	16
462328	11	.49	12	64	2.2	N	5.4	2.2	490	23	18
462329	8.9	.53	24	150	3.4	6.8	6	2.9	400	37	21
462330	8	.5	22	150	3.5	5.9	7.4	3	1,000	28	23
462331	9.6	.63	5.9	180	3.7	7.8	8.3	2.5	150	35	25
462332	8	.78	6	180	4.2	9.2	9.6	2.7	270	30	22
462333	6.5	.61	6	110	3.8	7.5	8.3	3.7	320	26	28
462334	8.7	.5	7.6	260	3.3	5.9	6.5	2.4	3,800	23	24
462335	14	.54	11	370	4.4	9.1	7.7	3.1	4,300	37	23
462336	9.4	.42	10	340	3.8	7.6	6.5	2.7	4,100	30	26
462337	9.7	.56	24	380	6.6	10	11	4.1	3,900	51	25
462338	13	.61	23	430	8.5	14	13	5.1	3,600	57	26
462339	5.8	.32	4.3	140	2.6	5.2	4.5	1.7	87	15	23
462340	7.5	.32	4.2	130	2.6	4.6	3.5	1.7	120	14	25
462341	9.8	.41	6.7	190	3.6	5.8	7.5	2.9	210	17	23
462342	2.8	.4	15	260	2.8	N	9.6	1.3	1,100	13	14
462343	11	.4	15	540	3.5	N	7.7	2.9	1,600	24	26
462344	9.5	.33	17	620	2.6	N	5.3	2.1	750	19	24
462345	13	.31	7.2	50	2.2	N	4.5	2.7	290	17	20
462346	12	.34	8.3	73	2.2	N	4.7	2.8	960	17	20
462347	15	.35	15	52	2.7	N	5.1	3.4	700	21	28
462348	14	.39	11	62	2.5	N	4.8	2.9	310	19	23
462349	7.1	.37	7.7	170	3.1	5	6.2	2.7	3,300	19	23
462350	7.6	.26	5.3	97	2.5	N	4	2.4	380	17	14
462351	.63	.45	11	480	3.7	N	14	1	130	33	11
462352	12	.49	N	580	4.9	8.6	6.3	2.9	580	N	31
462353	12	.59	N	950	4.5	8.9	8.9	2.4	800	N	26
462354	10	.46	N	1,100	3.9	7.1	6.2	2.2	2,400	N	26
462355	9.4	.44	N	890	5.4	8.6	12	2.7	1,300	N	18
462356	11	.42	N	680	4.7	7.4	9.9	2.4	1,300	N	21
462357	13	.59	N	1,600	8.9	15	15	3.9	2,200	N	21
462358	10	.52	N	980	7.2	12	17	2.9	1,200	N	19
462359	9	.51	N	890	4.9	9.5	6.2	2.8	2,300	N	27
462360	7.1	.6	N	1,100	4.5	10	8.4	2.9	3,400	N	21
462361	27	.68	19	260	3.6	7.8	9.4	1.5	1,300	50	30
462362	25	.77	19	370	4.4	9.7	12	1.8	3,000	53	33
462363	14	.55	14	240	2.9	5	6.4	1.4	440	25	19
462369	14	.48	19	320	3.3	6.1	6.8	1.2	900	29	19
462371	21	.46	19	260	3.3	5.5	7.4	.93	790	34	23
462372	15	.61	15	240	2.2	N	6	1.3	550	30	21
462373	8.3	.55	20	1,800	2.1	N	10	1.1	2,800	25	32
462374	9.3	.5	8.5	380	2.5	N	5	2.1	960	36	22
462375	11	.64	9.3	510	5	10	7.3	3.9	520	48	27
462376	9.4	.52	11	350	3.9	5.7	6.1	3.5	770	44	24
462377	23	.69	17	280	4.8	7.9	8.8	2	580	68	37

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Co	Icp-Bi	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
462312	8.2	24	14	52	N	14	N	N	N	6
462313	14	36	27	77	N	19	N	N	N	9.7
462314	6.9	17	11	36	N	11	N	N	N	5.4
462315	20	38	17	89	N	12	N	N	10	18
462316	8.9	25	11	57	N	14	N	N	N	5.9
462317	8.1	27	11	61	N	16	N	N	N	9.8
462318	6.4	22	8.7	43	N	14	N	N	N	5.5
462319	17	24	6.9	58	N	14	N	N	N	6.3
462320	8.8	20	14	48	N	12	N	1.5	N	6.2
462321	9.9	22	22	43	N	17	N	1.3	4.9	14
462322	8.6	23	18	42	N	14	N	1.3	N	15
462323	19	45	16	86	N	13	N	N	5	14
462324	14	43	22	81	N	12	N	N	4.7	12
462325	39	85	12	210	N	8.3	N	N	9.2	25
462326	16	32	12	120	N	12	N	<1.1	5.8	13
462327	9.6	25	16	64	N	13	N	N	N	11
462328	14	34	29	85	N	14	N	N	N	16
462329	12	26	15	91	N	15	N	N	N	14
462330	14	31	15	100	N	13	N	1.5	5.5	13
462331	7.1	26	23	74	N	14	N	1.2	5.1	12
462332	7.3	25	21	68	N	16	N	1.2	N	8.6
462333	10	24	19	63	N	13	N	3.1	5.4	12
462334	35	33	12	86	N	13	N	1.3	4.9	11
462335	34	33	18	90	N	14	N	1.3	5.9	14
462336	37	31	12	86	N	12	N	1.9	5.9	12
462337	23	30	30	100	N	13	N	2.4	6.5	14
462338	15	33	41	110	N	14	N	<1.2	5.3	10
462339	3.9	17	15	38	N	13	N	1.3	N	7.5
462340	4.5	21	16	32	N	14	N	1.3	N	7.1
462341	7.7	24	18	59	N	12	N	N	N	7.6
462342	27	26	9.8	85	N	N	N	1.6	7.7	12
462343	15	49	28	87	N	14	N	3.2	5.7	12
462344	9.3	32	26	76	N	12	N	1.4	N	8.5
462345	9.2	29	15	73	N	11	N	N	N	8.8
462346	14	32	16	78	N	12	N	N	4.6	10
462347	12	33	21	72	N	15	N	N	N	11
462348	9.8	30	17	73	N	12	N	N	N	12
462349	39	30	13	65	N	11	N	1.3	5.4	9.6
462350	8.7	21	10	52	N	11	N	N	N	7.5
462351	7.1	27	14	49	N	N	N	4.3	8.3	17
462352	12	N	20	74	N	N	N	N	N	9.4
462353	15	N	34	75	N	N	N	N	N	12
462354	15	N	29	100	N	N	N	N	N	11
462355	14	N	49	140	N	N	N	N	N	15
462356	13	N	38	130	N	N	N	N	N	16
462357	16	N	62	180	N	N	N	N	N	16
462358	14	N	72	240	N	N	N	N	N	16
462359	22	N	20	66	N	N	N	N	N	11
462360	21	N	26	110	N	N	N	N	N	13
462361	16	50	29	100	N	15	N	N	N	15
462362	26	57	29	130	N	15	N	N	N	15
462363	9.8	30	15	61	N	12	N	N	N	11
462369	12	39	32	84	N	13	N	1.6	N	13
462371	14	39	25	74	N	12	N	N	N	11
462372	11	35	22	77	N	13	N	N	N	12
462373	11	62	18	120	N	14	N	1.9	N	10
462374	10	31	11	89	N	10	N	N	N	10
462375	17	35	17	91	N	14	N	N	N	15
462376	16	34	12	85	N	12	N	N	4.5	13
462377	14	45	33	89	N	13	N	N	N	12

Table 5. Aqua-regia leachate data for BUNK stream sediments from the Killik River quadrangle, Alaska—continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
462378	68 37 55	155 28 3	250	1,200	2,700	12,000	36,000	4,900	16	1,200
462379	68 38 40	155 23 10	210	850	5,100	3,000	37,000	15,000	3.6	480
462380	68 38 34	155 22 19	150	650	580	2,500	350,000	3,500	4.3	N
462381	68 38 48	155 16 10	220	790	9,000	6,900	39,000	16,000	N	N
462382	68 38 37	155 15 18	190	810	6,300	3,700	85,000	16,000	N	N
462383	68 40 17	155 10 50	220	1,000	9,100	6,600	43,000	17,000	N	N
462384	68 40 33	155 9 57	210	980	7,300	5,300	39,000	15,000	N	N
462387	68 39 42	154 59 28	240	820	6,700	5,300	41,000	15,000	N	N
462388	68 39 43	154 58 31	230	1,100	7,400	7,600	37,000	15,000	N	N
462389	68 37 17	154 53 38	180	660	5,300	3,700	35,000	15,000	N	N
462390	68 37 0	154 53 43	270	1,500	9,700	7,800	47,000	19,000	N	N
462391	68 36 14	154 51 10	170	500	1,900	1,300	12,000	5,700	N	N
462392	68 36 18	154 50 31	160	390	910	1,500	160,000	6,200	N	N
462395	68 30 53	154 52 3	160	360	1,500	800	15,000	8,000	N	N
462396	68 30 43	154 52 34	190	540	1,800	1,500	29,000	9,000	N	N
462397	68 30 48	154 56 17	160	220	1,100	2,300	51,000	5,200	N	N
462398	68 30 25	154 58 21	150	390	1,000	1,500	190,000	6,400	N	N
462399	68 33 24	154 57 38	140	390	2,300	2,000	79,000	9,700	N	N
462400	68 33 25	154 56 58	170	330	1,300	1,500	43,000	5,200	N	N
462401	68 24 40	153 53 27	130	270	2,900	2,000	28,000	8,000	N	N
462402	68 24 44	153 54 12	150	310	2,800	2,800	26,000	8,700	N	N
462403	68 23 20	153 53 23	190	570	4,400	5,000	31,000	11,000	N	N
462404	68 23 4	153 53 45	240	670	7,400	11,000	32,000	12,000	N	N
462405	68 22 51	153 59 30	180	460	3,600	4,100	27,000	9,600	N	N
462406	68 23 4	153 59 59	150	560	3,700	4,100	28,000	9,900	1.1	270
462407	68 24 35	154 0 27	140	200	3,000	2,400	16,000	8,200	1.2	320
462409	68 25 35	154 7 56	130	280	1,400	5,900	410,000	4,300	N	N
462410	68 24 47	154 12 17	170	480	1,500	4,900	270,000	4,700	4.6	N
462411	68 23 26	154 11 58	140	320	5,800	3,600	36,000	10,000	180	190
462412	68 23 47	154 12 40	170	470	4,900	7,300	34,000	7,700	8.6	350
462413	68 24 28	154 15 21	170	500	7,800	3,400	43,000	17,000	600	N
462414	68 24 8	154 15 32	180	310	8,700	5,500	37,000	14,000	600	150
462415	68 23 6	154 19 46	250	720	4,600	5,100	32,000	10,000	1.9	250
462416	68 24 30	154 20 9	210	610	6,600	4,500	37,000	12,000	66	170
462417	68 22 24	154 25 8	160	560	3,000	5,200	30,000	5,100	3.7	150
462418	68 22 33	154 26 1	250	820	8,700	18,000	31,000	9,800	1.6	350
462419	68 25 9	154 25 55	140	490	2,800	2,200	28,000	7,100	1.7	210
462420	68 25 15	154 26 26	150	520	1,700	2,000	31,000	5,700	1.6	230
462454	68 38 8	155 49 30	180	530	4,600	6,700	42,000	10,000	330	280
462458	68 42 16	155 56 35	160	630	4,800	4,600	31,000	11,000	24	380
462459	68 42 20	155 57 46	140	510	3,400	4,400	28,000	9,000	14	350
462481	68 43 26	155 24 54	200	670	16,000	5,100	36,000	17,000	16	270
462482	68 43 47	155 31 56	180	750	4,400	4,100	29,000	11,000	5.1	380
462483	68 40 51	155 22 3	180	690	5,500	3,300	35,000	14,000	3.8	540
462484	68 40 43	155 21 29	150	450	3,000	2,000	24,000	11,000	4.1	650
462485	68 36 9	155 4 25	180	740	6,700	4,000	50,000	13,000	13	580
462486	68 37 53	155 4 44	99	330	730	1,400	3,200	6,100	3.9	670
462487	68 37 59	155 6 18	110	620	3,200	1,100	61,000	11,000	5.4	270
462501	68 28 12	155 53 18	120	470	3,500	2,200	24,000	8,900	7.2	170
462502	68 27 50	155 53 13	140	660	3,600	1,300	40,000	14,000	3.9	370
462503	68 25 12	155 56 39	110	350	2,300	2,400	48,000	9,000	2.4	410
462504	68 25 2	155 56 12	110	420	1,400	2,300	27,000	4,100	1.5	290
462505	68 23 1	155 57 36	68	120	300	470	4,600	3,700	1.4	170
462506	68 22 47	156 57 40	100	490	1,200	740	67,000	7,400	.89	N
462507	68 21 5	155 54 32	96	510	2,100	920	22,000	9,100	.83	370
462508	68 20 48	155 54 36	190	710	3,800	1,900	38,000	12,000	2.3	260
462509	68 19 18	155 54 9	120	520	1,400	1,500	38,000	5,500	.75	110
462510	68 19 19	155 55 7	89	470	1,500	1,300	22,000	3,400	1.1	220
462511	68 16 46	155 58 13	74	250	1,500	2,000	36,000	2,600	.56	340
462512	68 16 37	155 57 8	120	610	1,500	620	18,000	5,600	.72	75

Table 5. Aqua-regia leachate data for HVRI stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
462378	4.7	.35	65	320	2.3	N	6.7	N	1,100	18	15
462379	16	.68	13	340	4.9	11	9.2	2.4	1,100	44	31
462380	N	.37	14	300	N	N	13	N	1,400	22	N
462381	23	.65	N	380	5.6	11	9.4	3.1	1,000	N	32
462382	19	.78	N	440	4.5	6.6	9.4	3.4	12,000	N	27
462383	26	.71	N	370	5.5	11	10	3.4	1,500	N	34
462384	23	.66	N	510	5	9.6	8.8	2.5	1,300	N	30
462387	25	.68	N	300	4.7	9.6	9.5	2.2	2,000	N	32
462388	22	.64	N	420	4.6	8.9	8.8	1.7	1,900	N	29
462389	16	.75	N	270	5.4	12	10	2.5	1,100	N	30
462390	32	.77	N	390	5.1	11	11	2.4	2,200	N	35
462391	6.8	.4	N	290	3.1	5.3	3.5	1.9	180	N	21
462392	3	.52	N	510	1.2	N	8.4	N	130	N	11
462395	4.6	.57	N	390	3.6	6.6	7.4	2	110	N	19
462396	6	.56	N	640	3.4	N	7.5	1.1	340	N	25
462397	2.9	.42	N	290	2.2	N	5.5	1.1	210	N	14
462398	2.6	.61	N	340	N	N	7.1	N	2,200	N	13
462399	7.1	.73	N	570	3.5	N	8.3	3.1	6,200	N	25
462400	3.4	.3	N	180	2.1	N	3.6	1.6	310	N	18
462401	11	.35	N	82	2.5	N	5.1	2.2	360	N	18
462402	10	.35	N	110	2.4	N	4.8	1.5	650	N	19
462403	14	.5	N	550	3.2	N	6	1.3	760	N	25
462404	19	.61	N	580	3.8	N	6.9	1.1	1,100	N	21
462405	12	.45	N	370	3.5	N	6.4	1.2	350	N	24
462406	12	.42	10	340	3	N	5.3	1.5	180	24	22
462407	8.5	.36	8.3	120	2.4	N	4.6	1.6	130	16	15
462409	1.7	.5	21	79	N	N	6.9	N	1,700	26	N
462410	2.6	.49	18	120	N	N	11	N	4,200	24	9
462411	9.9	.4	11	240	3.4	5.4	5.7	2.7	750	33	17
462412	8.8	.50	15	340	3.7	N	7.8	2	550	30	20
462413	9.1	.56	8.9	200	3.4	N	6.8	5.4	610	60	28
462414	7.1	.47	14	300	4.9	8.5	7.9	5.7	780	52	19
462415	15	.65	34	380	3.4	N	8.2	2	780	28	21
462416	17	.82	21	410	4.3	7.4	6.4	2.8	640	37	22
462417	5.3	.65	9.5	130	2.2	N	5.6	2.3	480	24	17
462418	14	.67	33	490	4.1	N	N	N	820	28	21
462419	7.4	.59	13	270	2.1	N	5.2	1.2	1,200	23	17
462420	5.1	.6	11	320	2.4	4.9	6.6	1.5	1,000	22	18
462454	8.6	.5	19	210	4.9	4.9	5.4	2.8	1,200	42	23
462458	12	.56	17	300	4.9	5.7	7.1	2.8	1,400	40	29
462459	7.9	.5	16	290	4.8	8.9	6.4	2.9	930	31	24
462481	19	.65	15	220	4.3	7.5	7.1	1.8	1,100	57	50
462482	13	.63	12	260	4.6	9.3	7.5	2.2	620	31	23
462483	16	.69	15	330	4.8	11	9.2	2.3	1,300	47	29
462484	10	.7	8.5	310	4.8	10	12	2.1	230	28	20
462485	21	.74	14	350	4.3	10	8.4	2.8	2,200	50	33
462486	2.6	.31	8.2	320	4.8	5.8	12	N	56	6.2	14
462487	8.5	.72	5.1	410	3.6	11	6.1	2.6	11,000	42	19
462501	7.9	.45	9.3	500	3.9	8.4	4.6	2.6	850	30	16
462502	13	.73	8.8	490	5.1	10	8.2	3.3	410	44	23
462503	6.6	.91	11	620	4.8	12	12	2.8	380	26	16
462504	4.3	.46	11	230	3	6.3	4.9	2.5	600	16	15
462505	1.6	.47	2.8	210	3	6.5	6.1	.95	63	6.8	9.8
462506	5.2	.48	5.5	340	2	N	5.7	2.4	280	20	21
462507	6.8	.65	5.9	380	3.5	5.2	6.5	1.5	220	25	23
462508	12	.83	11	370	2.9	6	6.3	1.5	680	31	30
462509	4.5	.72	7.5	150	1.9	N	4.6	1.4	1,400	16	15
462510	4.3	.47	5.4	38	2.2	4.9	5.1	2.2	530	13	9.3
462511	3.9	.46	8.5	17	2.7	5.2	5.3	3.4	560	16	11
462512	5.4	.5	5.1	78	1.6	N	3.5	1.1	330	13	13

Table 5. Aqua-regia leachate data for HORK stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
462378	15	33	29	40	N	N	N	<1.3	8.2	13
462379	15	41	21	90	N	14	N	N	N	12
462380	11	21	5	44	N	N	N	N	5.4	25
462381	16	N	33	110	N	N	N	N	N	13
462382	92	N	17	100	N	N	N	N	N	21
462383	17	N	33	180	N	N	N	N	N	16
462384	16	N	30	100	N	N	N	N	N	15
462387	17	N	27	100	N	N	N	N	N	16
462388	15	N	28	93	N	N	N	N	N	14
462389	14	N	27	84	N	N	N	N	N	13
462390	21	N	33	130	N	N	N	N	N	17
462391	5.1	N	9.7	44	N	N	N	N	N	7.1
462392	6.2	N	11	76	N	N	N	N	N	24
462395	4.3	N	21	41	N	N	N	N	N	8.2
462396	5.8	N	17	54	N	N	N	N	N	8.6
462397	6.6	N	13	77	N	N	N	N	N	13
462398	45	N	8.5	130	N	N	N	N	N	18
462399	60	N	19	110	N	N	N	N	N	23
462400	7.5	N	7.9	44	N	N	N	N	N	9
462401	10	N	16	63	N	N	N	N	N	7.7
462402	9.2	N	14	66	N	N	N	N	N	7.9
462403	11	N	19	81	N	N	N	N	N	9.3
462404	13	N	35	100	N	N	N	N	N	16
462405	9.3	N	17	73	N	N	N	N	N	9.6
462406	9.6	31	19	76	N	14	N	1.4	N	10
462407	5.8	23	16	55	N	13	N	N	N	7.7
462409	15	20	12	88	N	N	N	N	N	28
462410	31	33	16	98	N	N	N	N	7.3	24
462411	13	34	32	65	N	14	N	N	N	9.6
462412	12	34	27	76	N	14	N	<1.1	N	13
462413	15	38	51	71	N	13	N	N	N	10
462414	16	41	57	73	N	13	N	N	N	9.7
462415	14	61	49	140	N	19	N	2.2	N	15
462416	16	48	38	100	N	16	N	1.5	N	15
462417	11	27	21	58	N	15	N	N	N	10
462418	14	43	38	93	N	17	N	<1.9	N	17
462419	15	40	33	90	N	19	N	1.7	N	13
462420	12	33	25	75	N	16	N	1.2	5.9	12
462454	34	28	10	78	N	12	N	N	4.7	13
462458	25	37	17	76	N	12	N	1.8	N	13
462459	14	30	18	71	N	15	N	1.4	N	13
462481	22	90	27	87	N	14	N	N	4.7	13
462482	12	32	15	76	N	16	N	N	N	12
462483	16	40	19	93	N	16	N	N	N	14
462484	8.9	30	20	54	N	13	N	1.8	N	13
462485	27	51	25	130	N	22	N	2	8.9	20
462486	1.8	14	29	24	2	N	N	N	N	7.5
462487	100	28	15	64	N	17	N	3.4	6.5	15
462501	12	24	17	62	N	13	N	N	N	8.8
462502	16	36	22	97	N	16	N	1.3	N	13
462503	23	39	23	95	N	15	N	2.1	5.3	15
462504	11	33	17	72	N	16	N	1.8	N	12
462505	3.1	12	17	15	N	11	N	N	N	4.8
462506	8.6	30	7.5	86	N	12	N	1.7	6.1	13
462507	8.1	29	18	77	N	17	1.1	1.9	N	11
462508	15	42	21	92	N	20	N	1.4	N	13
462509	16	33	17	87	N	20	N	N	N	12
462510	10	24	15	38	N	11	N	N	N	7.9
462511	13	34	21	110	N	21	N	N	N	14
462512	7.9	21	11	48	N	13	N	N	N	8.3

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
462513	68 14 2	155 56 39	130	500	910	2,200	22,000	2,100	1	380
462514	68 15 5	155 56 32	160	360	2,000	2,200	27,000	4,400	1.4	400
462515	68 11 48	155 56 29	130	280	900	1,700	30,000	2,900	1.2	300
462516	68 11 54	155 57 42	140	300	900	1,700	29,000	3,100	1.1	280
462517	68 8 52	155 58 38	160	320	820	1,900	29,000	2,400	1.1	280
462518	68 9 23	156 59 15	150	340	1,000	2,700	18,000	4,700	1.3	280
462519	68 5 29	155 57 16	140	260	960	2,300	31,000	4,000	3.2	730
462520	68 5 17	156 56 39	180	350	1,600	1,700	33,000	6,100	1.2	390
462521	68 4 10	155 49 16	190	310	1,000	2,800	46,000	4,600	1	290
462522	68 4 7	155 48 31	200	490	2,000	4,300	24,000	6,000	.86	410
462523	68 1 12	155 44 32	240	580	2,000	2,200	22,000	6,700	1	220
462525	68 0 56	155 38 58	140	280	2,000	1,900	29,000	6,000	1	290
462526	68 1 54	155 39 20	140	250	2,100	2,000	31,000	6,500	1	360
462527	68 3 35	155 41 18	140	340	840	2,500	28,000	2,200	.83	380
462528	68 4 4	155 40 34	140	280	890	2,200	30,000	2,600	.83	390
462529	68 4 16	155 37 20	160	370	920	2,600	31,000	2,600	.78	470
462530	68 4 43	155 37 20	110	230	510	1,600	9,300	1,500	.81	200
462531	68 5 31	155 37 11	140	240	1,700	2,000	37,000	3,400	.78	450
462532	68 6 11	155 36 58	130	200	1,300	2,300	36,000	2,500	.8	430
462533	68 6 24	155 43 37	130	300	790	2,300	31,000	2,200	1.1	370
462534	68 6 28	155 44 30	150	510	1,000	3,600	29,000	3,100	1.1	330
462535	68 8 12	155 43 46	170	520	1,100	2,600	39,000	2,800	1.1	450
462536	68 8 10	155 42 45	130	380	1,100	2,500	36,000	2,500	.88	420
462537	68 7 3	155 49 27	130	270	1,200	2,200	34,000	2,100	.8	350
462538	68 7 11	155 49 55	140	230	880	2,300	34,000	1,900	1.1	370
462539	68 9 4	156 52 4	130	380	810	2,300	33,000	2,400	1.1	360
462540	68 9 0	155 51 16	150	440	830	2,700	34,000	2,900	1.2	340
462541	68 11 51	155 50 18	130	350	830	2,400	33,000	2,300	1.1	490
462542	68 12 7	155 49 49	160	460	1,000	1,900	33,000	2,900	1	350
462543	68 11 40	155 43 37	95	190	960	2,000	34,000	2,300	.89	440
462544	68 11 26	155 42 35	120	290	1,500	2,200	34,000	3,700	1.1	420
462545	68 10 7	155 39 2	140	350	1,300	2,400	35,000	3,500	.97	470
462546	68 10 13	155 37 53	110	140	1,200	2,300	38,000	3,000	.9	470
462547	68 14 10	156 36 46	150	390	5,000	2,600	38,000	12,000	1.0	360
462548	68 14 52	155 38 53	190	580	3,200	2,000	35,000	9,100	1.3	170
462549	68 15 43	155 39 42	170	540	2,700	2,600	33,000	7,100	1.4	330
462550	68 15 58	155 39 27	140	510	1,600	2,100	28,000	4,100	1.3	360
462551	68 17 27	156 40 18	150	590	680	2,100	28,000	2,500	1.5	370
462552	68 17 10	155 41 14	190	1,300	990	1,400	30,000	4,500	2.6	300
462553	68 14 36	155 44 57	160	570	2,900	1,900	27,000	6,400	.81	240
462554	68 15 2	155 45 11	200	620	3,200	1,900	29,000	7,400	.77	230
462555	68 17 1	156 47 43	160	650	2,000	2,000	30,000	5,100	1.1	300
462556	68 16 52	155 49 0	170	490	2,000	2,600	25,000	4,400	.8	280
462557	68 17 56	155 47 4	130	700	2,100	2,800	27,000	3,800	1.2	340
462558	68 18 21	155 46 50	150	840	730	2,400	31,000	2,300	.8	310
462559	68 20 11	156 47 2	160	680	1,500	930	66,000	8,000	.62	N
462560	68 20 17	155 46 18	180	730	1,200	890	33,000	6,100	N	N
462561	68 20 20	155 42 36	200	680	4,200	2,800	25,000	10,000	N	N
462562	68 20 38	155 42 43	180	640	2,600	2,400	23,000	7,900	N	N
462563	68 22 28	155 42 35	280	860	4,000	1,800	38,000	11,000	N	N
462564	68 22 38	155 42 11	170	810	3,900	3,300	25,000	10,000	N	N
462565	68 23 18	155 48 16	140	640	1,600	1,800	26,000	4,200	N	N
462566	68 23 11	155 49 17	130	490	1,500	1,800	25,000	3,700	N	N
462567	68 24 21	156 47 38	140	460	2,400	1,800	20,000	7,200	N	N
462568	68 24 24	155 46 59	130	710	2,600	750	31,000	13,000	N	N
462569	68 26 1	155 40 55	170	790	3,600	2,700	22,000	10,000	N	N
462570	68 26 7	155 39 59	180	910	3,500	2,900	22,000	10,000	N	N
462571	68 28 1	155 49 52	130	680	2,500	1,800	28,000	5,800	N	N
462572	68 28 11	155 50 21	160	670	2,300	1,900	30,000	5,600	N	N
462573	68 28 10	155 41 53	320	1,100	4,800	11,000	20,000	5,900	N	N

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
462513	1.8	.5	6.9	41	1.7	7.1	5.4	2.6	500	7.7	8.6
462514	5.5	.48	8.3	34	1.9	7.4	5.6	2.8	530	15	14
462515	2.9	.58	7	56	1.5	6.9	5.5	3.6	1,000	14	12
462516	2.9	.59	8.1	72	1.4	6.2	5.6	3.2	890	14	12
462517	2.4	.49	8.4	39	1.2	5.7	4.8	2.8	790	14	11
462518	4.3	.53	9.5	47	1.7	5.8	7.3	3.2	200	12	14
462519	3.9	.42	9.9	47	1.6	5.4	6.6	2.8	290	11	14
462520	8.6	.37	7.7	24	1.4	6.1	5	3.7	300	12	17
462521	4.7	.49	16	33	1.2	4.7	7.7	3.6	360	8.2	10
462522	7.8	.51	29	50	1.8	4.7	6.2	4.5	1,000	10	17
462523	11	.44	15	28	1.8	6.4	4.6	2.9	350	12	15
462525	11	.39	9.6	19	1.7	6.1	4.5	3.9	610	12	14
462526	12	.42	9.5	21	1.6	5.4	5.1	4.1	590	12	15
462527	2.6	.46	9.7	26	2.2	7	5.2	3.4	650	9	8.1
462528	3	.41	8.8	22	1.9	6.4	4.0	2.9	640	11	9
462529	2.8	.51	12	26	2.8	8.9	6.2	4	720	12	9.8
462530	1.3	.26	7.2	27	1.3	N	4	1.5	250	5.4	5
462531	4.8	.47	11	18	1.9	7.3	5.5	3.5	600	14	11
462532	3.5	.44	9.7	16	2	6.9	5.2	3.6	560	13	10
462533	2	.57	7.8	47	1.4	5.8	5.8	3.7	1,100	14	11
462534	2.6	.76	12	86	1.9	6.4	8.7	3.2	870	14	13
462535	4	.75	11	41	2.4	8.7	7.7	5.5	920	14	12
462536	2.9	.63	9.2	22	2.2	8.2	6.6	3.8	760	14	11
462537	2.4	.55	8.4	30	1.4	5.9	5.4	3.1	680	13	11
462538	2.1	.54	8.1	26	1.5	6.2	6.6	2.7	720	13	10
462539	2.1	.66	8.3	56	1.6	6.5	6.1	3.3	680	13	11
462540	2.3	.81	11	96	1.6	5.7	7.9	3.5	900	15	13
462541	2.4	.54	9.8	25	2.3	7.8	6.1	4.2	790	12	8.8
462542	2.7	.68	8.6	35	1.8	6.1	6.8	3.4	530	14	11
462543	2.5	.58	7.6	23	1.9	7.6	6.3	4	750	13	7.8
462544	5.1	.57	7.8	25	2.7	7.7	6.4	3.7	720	13	9.4
462545	4.5	.58	11	35	3.1	8	6.2	3.8	630	18	13
462546	4.8	.57	10	30	2.9	8.1	6.5	4.1	700	17	11
462547	17	.65	14	35	2.5	N	6.4	3.6	700	22	23
462548	11	.84	12	53	1.9	4.7	4.5	2.8	610	17	20
462549	8.3	.78	13	61	3	8	7.2	3.8	650	16	18
462550	4.3	.59	8.5	38	2.7	7.4	6.2	2.9	610	12	12
462551	1.4	.69	10	57	2.8	6.8	6.2	1.5	930	12	12
462552	3.6	.77	15	81	3.1	8	6.7	2.1	600	16	16
462553	7.9	.53	8.5	26	2.3	N	5.2	3.3	570	17	16
462554	9.6	.49	8.7	24	1.9	N	4.6	2.8	540	16	17
462555	5.8	.58	10	48	2.4	N	5.7	2.9	540	18	16
462556	4.2	.51	10	43	2.4	N	5.4	2.1	600	15	12
462557	2.9	.68	9.8	62	3.1	N	6.2	2.3	690	18	17
462558	1.1	.76	9.6	57	2.2	N	7.3	2.5	930	15	18
462559	5.2	.86	6.8	85	1.8	N	9.8	2	230	21	16
462560	4.9	.73	N	110	1.9	N	6.8	2.3	220	N	15
462561	12	.69	N	410	2.5	N	5.6	1.6	880	N	21
462562	8.9	.53	N	430	2.5	N	5.7	2.4	930	N	17
462563	13	.74	N	390	3	6.3	5.8	3.9	1,200	N	22
462564	12	.61	N	580	3.7	7.7	5.3	2.8	340	N	21
462565	3.8	.53	N	78	2.2	N	5	3	640	N	13
462566	3.4	.51	N	93	2	N	4.9	2.8	680	N	12
462567	4.4	.46	N	350	2.6	N	4.2	2.7	650	N	17
462568	8.4	.63	N	540	4.5	9.3	7.3	4	270	N	19
462569	8.6	.52	N	600	5.7	11	4.8	3.4	420	N	20
462570	9	.6	N	420	5.7	12	5.7	3.6	260	N	21
462571	6.5	.56	N	260	3.1	5.1	5.5	3	680	N	16
462572	6.6	.56	N	190	2.7	N	6.1	3.3	250	N	16
462573	5.3	.5	N	270	7.2	8.2	13	2.7	420	N	17

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
462513	11	25	17	49	N	12	N	N	N	11
462514	11	28	15	45	N	14	N	N	N	8.7
462515	13	29	17	51	N	17	N	N	N	11
462516	13	28	17	49	N	17	N	N	N	10
462517	11	26	15	48	N	14	N	N	N	8.7
462518	6.8	19	17	41	N	17	N	N	N	6.5
462519	9.2	23	17	41	N	15	N	N	6.7	9.6
462520	9	27	13	68	N	18	N	N	N	7.9
462521	8.1	27	25	80	N	14	N	N	6.1	15
462522	9.2	36	38	76	N	16	N	N	6	9.5
462523	10	30	18	69	N	23	N	N	N	8.8
462525	12	34	19	64	N	16	N	N	N	8.5
462526	12	35	19	66	N	17	N	N	N	9.7
462527	13	33	19	110	N	30	N	N	N	12
462528	12	33	16	75	N	15	N	N	N	10
462529	14	36	21	100	N	25	N	N	N	12
462530	5.1	12	8.2	22	N	14	N	N	N	5.7
462531	13	34	21	96	N	21	N	N	N	11
462532	12	34	20	100	N	21	N	N	N	11
462533	14	33	19	52	N	14	N	N	5.6	9.8
462534	13	35	25	65	N	18	N	N	5.5	8.9
462535	17	44	30	76	N	17	N	N	N	9.9
462536	14	37	24	61	N	15	N	N	N	10
462537	13	34	22	65	N	15	N	N	N	8.9
462538	13	34	21	64	N	15	N	N	4.9	9.1
462539	13	33	21	65	N	16	N	N	N	10
462540	15	37	25	65	N	17	N	N	N	10
462541	14	36	22	82	N	16	N	N	N	10
462542	12	31	23	66	N	19	N	N	N	11
462543	14	33	23	73	N	25	N	N	N	12
462544	14	34	23	91	N	23	.9	N	N	8.8
462545	13	33	22	82	N	14	N	N	N	11
462546	15	37	27	83	N	15	N	N	N	16
462547	15	37	28	70	N	17	N	N	N	7.7
462548	16	37	30	86	N	22	N	N	N	11
462549	16	42	27	88	N	22	.91	N	N	10
462550	12	30	19	43	N	14	.92	N	N	8.5
462551	13	32	25	31	N	21	1	N	N	14
462552	11	28	26	77	N	70	1.1	N	N	13
462553	12	29	21	59	N	14	N	N	N	9.9
462554	12	31	21	61	N	14	N	N	N	10
462555	12	30	18	63	N	14	N	N	N	13
462556	9.8	23	14	36	N	10	N	N	N	9.7
462557	12	38	19	200	N	45	N	N	N	13
462558	13	32	24	210	N	42	N	1.1	N	13
462559	6.6	26	14	250	N	21	N	N	N	16
462560	7.5	N	19	510	3.7	N	N	N	N	12
462561	11	N	32	78	N	N	N	N	N	9.6
462562	12	N	26	99	N	N	N	N	N	10
462563	16	N	22	76	N	N	N	N	N	14
462564	9.8	N	20	67	N	N	N	N	N	11
462565	10	N	14	70	N	N	N	N	N	8.8
462566	11	N	14	70	N	N	N	N	N	9
462567	13	N	11	63	N	N	N	N	N	8.2
462568	7	N	21	57	N	N	N	N	N	13
462569	8.2	N	16	64	N	N	N	N	N	9.6
462570	15	N	20	88	N	N	N	N	N	11
462571	11	N	17	77	N	N	N	N	N	9.9
462572	10	N	18	73	N	N	N	N	N	10
462573	9.7	N	45	160	N	N	N	N	N	15

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
462574	68 28 27	155 41 16	180	590	5,100	3,400	27,000	11,000	N	N
462575	68 33 17	155 31 50	180	570	3,800	2,300	30,000	7,900	N	N
462576	68 33 26	155 31 14	180	590	3,800	2,100	39,000	9,300	N	N
462579	68 35 10	155 27 6	260	620	4,000	1,700	37,000	11,000	N	N
462581	68 34 35	155 23 24	180	560	11,000	6,800	33,000	15,000	N	N
462582	68 35 6	155 21 51	170	770	7,800	4,200	47,000	16,000	N	N
462583	68 35 44	155 15 48	180	280	1,200	1,100	17,000	4,400	N	N
462584	68 36 8	155 13 15	130	410	2,300	1,400	18,000	9,500	N	N
462585	68 36 5	155 6 12	130	280	2,100	1,100	11,000	8,600	N	N
462586	68 30 37	155 50 49	120	160	450	970	27,000	2,400	N	N
462587	68 30 55	155 51 25	160	600	5,900	4,800	27,000	11,000	N	N
462588	68 30 58	155 55 4	150	670	4,800	1,200	23,000	14,000	N	N
462589	68 31 12	155 58 23	160	670	3,100	2,700	19,000	9,400	N	N
462590	68 32 0	155 53 16	140	470	1,700	3,200	14,000	4,100	N	N
462591	68 32 22	155 53 7	170	910	4,100	3,000	26,000	11,000	N	N
462592	68 32 31	155 50 28	150	600	4,800	3,500	28,000	11,000	N	N
462593	68 32 39	155 51 0	170	540	4,000	2,600	24,000	9,100	9.1	230
462596	68 35 4	155 53 37	180	860	9,200	3,900	41,000	15,000	110	250
462597	68 35 22	155 54 30	180	490	9,500	3,900	40,000	15,000	150	300
462598	68 37 51	155 55 52	140	370	3,300	2,600	27,000	8,700	21	280
462599	68 38 9	155 55 48	140	430	2,300	2,200	23,000	7,400	10	300
462600	68 37 53	155 49 37	150	450	5,600	3,000	34,000	11,000	190	280
462620	68 39 58	154 50 48	190	840	2,500	1,900	33,000	8,500	5.3	540
462621	68 40 11	154 51 26	290	1,000	1,500	2,600	160,000	5,500	12	N
462622	68 40 7	154 45 18	170	620	5,300	2,600	28,000	11,000	N	N
462623	68 39 47	154 44 54	140	610	3,800	2,300	36,000	14,000	N	N
462624	68 39 52	154 37 59	140	580	3,100	7,800	32,000	7,800	N	N
462625	68 40 31	154 32 38	180	600	5,000	4,000	37,000	13,000	N	N
462626	68 40 9	154 32 28	200	1,000	6,900	3,400	37,000	19,000	N	N
462627	68 40 26	154 24 37	190	700	4,000	2,600	42,000	13,000	N	N
462628	68 40 4	154 24 25	210	830	3,800	3,100	43,000	12,000	N	N
462629	68 40 22	154 19 57	160	660	5,100	2,300	29,000	11,000	N	N
462630	68 40 33	154 18 49	170	490	3,400	1,900	29,000	10,000	N	N
462631	68 40 32	154 12 42	190	410	5,600	3,200	27,000	10,000	N	N
462632	68 40 6	154 13 9	210	590	7,500	5,400	32,000	13,000	N	N
462633	68 40 35	154 5 40	240	800	9,600	7,500	35,000	14,000	N	N
462634	68 40 16	154 5 11	200	340	11,000	5,900	33,000	13,000	N	N
462635	68 40 10	153 59 40	170	570	7,500	4,400	36,000	14,000	N	N
462636	68 40 13	153 58 49	180	400	3,600	2,300	27,000	8,900	N	N
462638	68 40 35	153 46 12	180	420	2,800	7,300	120,000	4,500	N	N
462640	68 40 36	153 37 28	160	470	2,300	1,100	47,000	7,700	N	N
462641	68 39 53	153 29 56	220	780	10,000	5,500	34,000	16,000	N	N
462642	68 39 29	153 30 17	220	750	9,700	6,400	34,000	15,000	N	N
462643	68 40 11	153 22 57	160	430	5,300	2,900	28,000	11,000	N	N
462644	68 40 25	153 10 47	190	900	5,400	5,300	31,000	12,000	N	N
462645	68 40 47	153 9 41	170	640	4,800	4,400	27,000	11,000	N	N
462646	68 43 30	153 3 38	130	270	8,000	3,000	25,000	10,000	N	N
462647	68 43 22	153 5 14	180	410	9,100	3,900	27,000	11,000	N	N
462648	68 43 32	153 13 19	200	840	5,500	4,200	29,000	11,000	N	N
462649	68 43 11	153 22 46	190	740	9,200	6,600	35,000	13,000	N	N
462650	68 42 54	153 27 32	170	470	1,300	2,000	220,000	5,900	N	N
462651	68 43 50	153 33 21	150	370	2,700	1,600	25,000	7,900	N	N
462655	68 43 9	153 47 57	190	300	2,100	1,300	24,000	8,000	4.5	380
462658	68 43 20	153 58 21	180	260	1,700	1,100	17,000	7,000	11	330
462659	68 42 55	154 2 7	180	400	5,100	3,600	31,000	12,000	130	370
462662	68 43 50	154 13 32	200	430	6,100	4,400	33,000	12,000	190	370
462663	68 43 49	154 16 48	220	480	6,100	4,500	33,000	12,000	400	350
462666	68 43 28	154 25 57	250	800	3,900	4,100	31,000	10,000	8.3	380
462669	68 44 56	154 38 57	240	930	7,700	8,700	36,000	13,000	12	550
462670	68 44 21	154 38 12	220	760	7,900	8,600	36,000	13,000	15	520

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
462574	12	.54	N	640	5.2	9.9	6.2	3.7	870	N	21
462575	10	.52	N	290	2.7	N	5.2	3.4	870	N	19
462576	11	.65	N	160	2	N	5.3	3.4	830	N	34
462579	11	.48	N	390	3.1	N	7.2	2.9	220	N	22
462581	19	.64	N	260	7	12	8.5	7.4	630	N	30
462582	17	.88	N	310	5.7	9.5	8.2	4.6	2,100	N	29
462583	3.8	.31	N	130	2.3	N	4.6	3	130	N	16
462584	6.3	.55	N	280	5.6	11	6.3	4.8	150	N	21
462585	3.6	.48	N	260	4.3	8.1	4.7	3.0	110	N	17
462586	.82	.16	N	210	1.3	N	2.9	1.2	93	N	9.4
462587	10	.54	N	660	5.7	10	7.3	4.1	920	N	22
462588	9.1	.65	N	250	7.3	14	5.6	3.7	270	N	24
462589	8.9	.45	N	520	4.1	7.5	4.1	2	390	N	18
462590	5.5	.23	N	280	1.1	N	2.7	N	2,100	N	8.5
462591	10	.54	N	480	3.8	9.9	7.4	2.7	1,900	N	17
462592	13	.52	N	740	4.4	9.1	5.9	2.6	890	N	21
462593	7.8	.53	15	490	4.4	11	5.7	2.2	790	34	21
462596	14	.7	13	540	5.6	14	7.3	4.2	1,000	51	32
462597	15	.69	13	530	5.3	13	7.2	4.3	1,000	62	31
462598	5.8	.53	9.5	250	4.6	6.6	6.2	2.8	420	32	22
462599	5.5	.51	8.7	240	4.8	9.1	6.2	2.9	330	23	20
462600	8.6	.63	10	270	5.4	12	6.7	5.1	600	49	27
462620	7.4	.52	8.5	200	4	9.1	9.6	2.5	2,200	23	24
462621	2.7	.53	12	220	3.2	N	16	N	1,000	33	10
462622	11	.58	N	230	4	8.7	5.7	2.6	980	N	28
462623	10	.8	N	330	5.1	10	8.4	2.8	370	N	25
462624	7.4	.54	N	280	3.8	N	7.5	N	4,100	N	15
462625	16	.77	N	390	5.1	8.5	12	1.9	2,600	N	27
462626	22	.85	N	250	4.7	8	9.1	2.6	780	N	35
462627	12	.77	N	390	4.8	10	11	2.3	5,700	N	22
462628	13	.61	N	290	3.7	N	8.5	2.1	2,000	N	23
462629	14	.51	N	240	3.7	8	5.9	2.1	920	N	26
462630	8.2	.53	N	310	3.5	6.7	4.9	2.4	690	N	24
462631	12	.47	N	290	3.6	5.8	5.2	2.4	830	N	24
462632	16	.6	N	150	5.7	11	7.4	2.8	760	N	32
462633	21	.68	N	170	7.4	14	9.2	3.9	830	N	35
462634	17	.61	N	130	6.7	12	6.8	8	530	N	36
462635	18	.6	N	150	4.5	8.5	7	2.9	1,200	N	31
462636	9.9	.41	N	120	2.5	N	4.5	1.6	1,800	N	21
462638	4.3	.33	N	280	N	N	5.2	N	8,800	N	9.9
462640	6.6	.3	N	83	2.1	N	3.7	2.2	230	N	23
462641	21	.64	N	220	5.7	12	7.6	3.9	660	N	33
462642	19	.62	N	230	5.4	11	7.5	2.5	1,500	N	33
462643	18	.5	N	220	3.7	6.9	5.4	2.5	1,800	N	24
462644	18	.69	N	190	3.9	7.8	7.3	2.3	870	N	24
462645	15	.65	N	180	3.9	8.8	7.3	2.1	800	N	21
462646	15	.44	N	90	3.2	5.9	4.8	1.7	280	N	20
462647	17	.43	N	83	3.4	6	4.9	2	320	N	29
462648	16	.58	N	160	4.3	9.1	7.5	2.2	550	N	25
462649	24	.6	N	130	4	8.2	7.8	2.6	1,100	N	27
462650	2.7	.8	N	170	2.6	N	14	1.4	3,800	N	8.6
462651	8.4	.31	N	73	2.3	N	3.4	1.6	540	N	18
462655	7.3	.29	6.6	88	1.6	5.8	3.9	1.6	230	16	19
462658	6.3	.25	5.1	79	2	6.6	3.5	1.5	150	15	21
462659	14	.41	11	120	3.4	10	6	3	770	41	28
462662	15	.44	12	150	3.5	10	6.2	2.4	830	47	30
462663	16	.45	11	150	3.6	10	6.1	3.5	810	50	29
462666	13	.57	17	570	3.1	9.1	7.6	1.8	950	32	26
462669	26	.52	23	380	4	12	8.3	1	1,300	41	26
462670	23	.54	19	280	4.7	12	8	1.5	1,200	39	27

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
462574	12	N	22	81	N	N	N	N	N	11
462575	12	N	20	73	N	N	N	N	N	11
462576	14	N	22	94	N	N	N	N	N	12
462579	8.8	N	16	83	N	N	N	N	N	14
462581	13	N	32	76	N	N	N	N	N	11
462582	26	N	20	96	N	N	N	N	N	13
462583	4.6	N	14	34	N	N	N	N	N	9.2
462584	5.5	N	22	36	N	N	N	N	N	9
462585	3.9	N	18	38	N	N	N	N	N	7.5
462586	2.1	N	7.2	17	N	N	N	N	N	9.3
462587	13	N	26	85	N	N	N	N	N	10
462588	10	N	16	66	N	N	N	N	N	10
462589	7.5	N	14	59	N	N	N	N	N	8.3
462590	11	N	19	200	N	N	N	N	N	8.1
462591	14	N	37	100	N	N	N	N	N	11
462592	12	N	21	80	N	N	N	N	N	10
462593	13	33	19	85	N	14	N	1.3	N	9.5
462596	20	45	23	110	N	16	N	1.4	N	14
462597	19	45	25	110	N	15	N	1.4	N	14
462598	10	25	16	57	N	13	N	1.2	N	12
462599	9.9	25	13	59	N	14	N	1.2	N	11
462600	18	32	15	84	N	14	N	N	N	11
462620	20	34	12	71	N	12	N	2.5	5.5	12
462621	9.7	31	14	62	N	7.6	N	6.1	8.8	23
462622	12	N	13	79	N	N	N	N	N	11
462623	10	N	18	78	N	N	N	N	N	13
462624	14	N	20	69	N	N	N	N	N	17
462625	15	N	28	99	N	N	N	N	N	22
462626	14	N	25	96	N	N	N	N	N	14
462627	20	N	22	67	N	N	N	N	N	18
462628	14	N	19	66	N	N	N	N	N	16
462629	12	N	18	70	N	N	N	N	N	11
462630	13	N	13	62	N	N	N	N	N	11
462631	12	N	14	68	N	N	N	N	N	9.5
462632	12	N	20	72	N	N	N	N	N	12
462633	13	N	27	74	N	N	N	N	N	12
462634	13	N	21	62	N	N	N	N	N	11
462635	14	N	19	76	N	N	N	N	N	12
462636	14	N	11	68	N	N	N	N	N	9.2
462638	37	N	16	100	N	N	N	N	N	20
462640	7.5	N	7.8	44	N	N	N	N	N	9.3
462641	14	N	25	74	N	N	N	N	N	11
462642	14	N	25	79	N	N	N	N	N	12
462643	16	N	13	83	N	N	N	N	N	9.3
462644	12	N	18	88	N	N	N	N	N	15
462645	11	N	18	72	N	N	N	N	N	13
462646	12	N	12	65	N	N	N	N	N	11
462647	12	N	12	65	N	N	N	N	N	11
462648	12	N	18	71	N	N	N	N	N	13
462649	16	N	20	94	N	N	N	N	N	14
462650	53	N	12	80	N	N	N	N	N	19
462651	14	N	6.1	53	N	N	N	N	N	7.7
462655	8.3	23	9.7	44	N	11	N	N	N	6.1
462658	4.7	18	10	34	N	9.9	N	N	N	5.3
462659	11	34	15	70	N	12	N	N	N	6.2
462662	12	35	16	73	N	13	N	N	N	7
462663	13	35	15	72	N	12	N	N	N	7.3
462666	13	40	28	84	N	15	N	N	N	8.9
462669	15	43	31	110	N	15	N	N	N	13
462670	14	45	27	110	N	16	N	N	N	13

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Icp-Na	Icp-K	Icp-Mg	Icp-Ca	Icp-Fe	Icp-Al	Icp-Ti	Icp-P
462672	68 44 57	154 46 59	220	630	3,400	2,200	30,000	11,000	6.2	490
462673	68 44 43	154 53 8	200	910	5,000	4,100	38,000	14,000	5.8	600
462674	68 44 21	154 52 32	190	650	5,400	4,000	31,000	13,000	3.1	390
462061	68 40 45	155 37 2	160	520	2,200	2,700	18,000	10,000	5.3	290
462062	68 42 42	155 38 31	130	180	790	1,800	15,000	4,500	16	380
462235	68 35 17	154 57 26	220	490	1,200	1,500	100,000	6,400	N	N
462236	68 35 36	155 0 9	180	160	910	2,200	23,000	3,300	N	N
462237	68 37 23	154 58 52	240	540	1,300	1,800	23,000	6,200	N	N
462238	68 38 21	155 0 7	270	440	920	2,600	25,000	4,300	N	N
462247	68 33 20	155 16 29	300	540	5,900	6,000	32,000	15,000	520	360
462248	68 33 5	155 16 39	350	310	2,900	5,100	14,000	9,100	240	310
462296	68 23 54	153 42 16	130	170	1,400	2,700	12,000	5,900	2.6	260
462370	68 33 49	155 42 57	160	360	2,500	4,000	23,000	9,400	11	220
462385	68 40 25	155 5 28	140	120	550	1,300	59,000	4,900	N	N
462386	68 40 13	155 4 16	190	630	4,200	3,700	35,000	9,400	N	N
462393	68 33 29	154 51 43	210	540	720	1,300	56,000	4,900	N	N
462394	68 32 47	154 53 5	180	460	1,100	1,000	18,000	5,600	N	N
462408	68 24 59	154 2 22	150	310	3,200	2,200	66,000	9,100	1.2	170
462455	68 40 8	155 49 4	150	530	2,900	2,700	54,000	7,200	8.1	840
462456	68 40 2	155 53 4	110	300	1,300	7,700	5,500	2,300	14	380
462457	68 42 19	155 53 59	150	470	3,900	5,200	22,000	10,000	13	140
462577	68 35 34	155 33 39	190	280	770	1,300	24,000	5,700	N	N
462578	68 35 56	155 34 7	190	470	1,900	1,100	28,000	7,800	N	N
462580	68 35 38	155 26 45	140	530	1,600	2,100	33,000	3,800	N	N
462594	68 35 0	155 48 7	440	460	1,600	3,800	25,000	6,700	71	640
462595	68 35 32	155 49 24	310	370	1,200	3,200	16,000	3,700	31	580
462637	68 40 57	153 45 58	220	550	3,400	4,400	20,000	9,100	N	N
462639	68 40 26	153 42 19	130	240	1,800	3,500	18,000	5,700	N	N
462654	68 43 5	153 44 7	220	520	4,400	4,000	33,000	10,000	2.8	410
462667	68 43 27	154 30 41	170	220	670	1,700	76,000	4,800	11	950
462671	68 43 38	154 46 46	190	440	1,900	3,000	21,000	7,900	5	380
462675	68 43 42	155 1 28	140	260	1,600	2,100	14,000	7,600	5.9	290
462678	68 42 47	155 9 3	270	1,000	6,800	5,600	50,000	15,000	7.7	690
462679	68 44 0	155 15 4	140	210	1,000	2,500	84,000	6,600	9	350

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Li	Icp-Be	Icp-Sr	Icp-Ba	Icp-La	Icp-Ce	Icp-Y	Icp-Zr	Icp-Mn	Icp-V	Icp-Cr
462672	11	.56	9.4	250	4.4	11	6.3	2.7	1,400	32	27
462673	20	.72	12	230	4.4	11	9	2.1	1,300	39	30
462674	16	.65	16	220	4.3	11	8.1	2.4	610	36	27
462061	8	.54	9.2	390	6.1	15	6.5	2.8	210	25	25
462062	2.8	.3	6.1	250	2.8	N	4.2	1.2	100	13	21
462235	4.1	.33	N	250	1.5	N	6.1	2	130	N	25
462236	1.6	.27	N	270	1.1	N	4	N	270	N	15
462237	4.6	.35	N	320	2.4	N	4.2	1.5	170	N	19
462238	2.5	.44	N	250	2.4	N	8.9	2.1	530	N	16
462247	16	.49	21	310	6.8	11	6.9	5.1	400	60	30
462248	8.9	.28	19	200	4.6	5.1	4.8	1.5	270	36	22
462296	4.6	.28	6.1	310	1.7	5.1	4.3	1.3	77	11	12
462370	7.8	.63	14	740	4.5	5.9	6.7	1.4	400	32	20
462385	1.6	.64	N	300	1.1	N	16	2.5	1,500	N	14
462386	13	.63	N	220	2.7	N	6.5	1.6	840	N	22
462393	1.8	.39	N	460	2.1	N	6.9	1.2	98	N	15
462394	4.3	.29	N	320	2.5	N	3.1	1.7	100	N	16
462400	10	.49	9.1	120	1.7	N	5.2	2.5	740	21	18
462455	8.6	.53	12	410	2.4	N	6.2	1.8	780	27	16
462456	1.6	.19	27	95	1.7	N	2.8	N	220	6.5	6.7
462457	6.3	.57	12	290	6.3	12	6.7	3.5	280	36	24
462577	2.9	.56	N	290	4.1	6.4	12	2.5	160	N	16
462578	6.5	.45	N	290	3.1	5.1	5.7	3.4	130	N	18
462580	4.8	.58	N	65	2.3	N	6.4	4.3	690	N	11
462594	3.5	.55	13	210	5.6	9.5	11	4.1	230	44	18
462595	2.6	.26	11	150	1.8	N	3.7	2	270	15	9.9
462637	11	.4	N	77	2.9	N	7.6	1.2	360	N	21
462638	5.3	.31	N	140	1.9	N	4.3	1	550	N	13
462654	14	.34	15	49	1.8	5.7	5	2.1	590	19	20
462667	1.8	.7	7.3	200	4.3	14	15	1.4	1,300	18	9.8
462671	5	.53	10	270	5.3	13	6.2	2.3	240	24	21
462675	5.3	.5	7	280	4.8	11	6.4	3	140	27	21
462678	25	.63	18	280	4.8	12	9.5	2.3	5,300	42	27
462679	3.4	.48	8.7	260	2.5	N	8.4	1.3	200	27	13

Table 5. Aqua-regia leachate data for NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Icp-Co	Icp-Ni	Icp-Cu	Icp-Zn	Icp-Cd	Icp-Pb	Icp-Ag	Icp-Mo	Icp-Sn	Icp-As
462672	23	38	13	73	N	15	N	1.1	N	8.2
462673	13	48	23	93	N	20	N	N	5	11
462674	12	46	23	74	N	17	N	N	N	8.1
462061	7.4	25	16	59	N	14	.99	N	N	5.6
462062	4.1	26	11	37	N	N	N	1.8	9.1	6.1
462235	5.5	N	9.9	65	N	N	N	N	N	7.1
462236	6	N	8.9	54	N	N	N	N	N	5.5
462237	5.3	N	13	48	N	N	N	N	N	4.7
462238	17	N	18	69	N	N	N	N	N	7.4
462247	12	33	29	69	N	8.4	N	N	N	N
462248	5.1	17	19	34	N	N	N	N	7.7	N
462296	4.6	17	13	45	N	9	N	N	N	5
462370	7.9	26	23	51	N	15	N	N	N	13
462385	14	N	21	81	N	N	N	N	N	38
462386	13	N	26	110	N	N	N	N	N	12
462393	4.4	N	12	42	N	N	N	N	N	18
462394	3.9	N	9.9	37	N	N	N	N	N	9.6
462408	18	34	20	68	N	13	N	1.1	N	18
462455	13	50	21	97	N	15	N	1.8	6.4	45
462456	4.4	18	17	56	N	N	N	N	4.7	9.6
462457	7.5	25	18	49	N	15	N	N	N	10
462577	5.1	N	19	40	N	N	N	N	N	17
462578	6	N	13	66	N	N	N	N	N	12
462580	13	N	22	90	N	N	N	N	N	12
462584	7	24	29	60	N	9.1	N	1.9	5.9	10
462585	7.4	29	15	83	N	N	N	2.4	5.2	9.5
462637	7	N	23	62	N	N	N	N	N	7.9
462639	8.6	N	17	57	N	N	N	N	N	12
462654	11	33	23	68	N	14	N	N	N	7
462667	26	20	23	27	N	7.9	N	7.4	8.7	11
462671	7.5	22	14	55	N	13	N	N	N	7.5
462675	4.8	20	19	34	N	13	N	N	N	5.7
462678	13	45	27	91	N	14	N	N	N	9.8
462679	6.7	32	13	88	N	N	N	N	8.6	12

Table 6. Emission spectrographic analyses of HVRK stream sediments from the Killik River quadrangle, Alaska
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Mg-pct. s	Ca-pct. s	Fe-pct. s	Ti-pct. s	B-ppm s	Be-ppm s
462079	68 24 43	154 43 22	.5	.15	7	.5	50	3
462080	68 24 46	154 42 54	.7	.2	10	.3	50	3
462081	68 24 47	154 38 43	.7	.2	5	.5	30	3
462082	68 25 36	154 36 45	.7	.15	7	.5	50	3
462083	68 24 25	154 33 23	.7	.2	10	.5	30	2
462084	68 24 47	154 33 10	.5	.15	7	.7	50	3
462085	68 22 52	154 47 4	1.5	.2	5	.7	150	3
462086	68 23 3	154 46 40	2	.5	15	1	150	2
462087	68 20 53	154 44 51	1.5	.5	10	.7	50	3
462088	68 20 53	154 45 33	1	.3	5	.7	100	3
462089	68 21 32	154 50 31	3	.7	10	.7	100	3
462090	68 21 20	154 51 12	5	3	5	.7	150	3
462091	68 20 10	154 57 41	2	3	3	.5	100	3
462092	68 20 27	154 58 15	2	2	5	1	150	3
462093	68 20 25	155 2 37	1.5	.5	10	.7	70	3
462094	68 21 10	155 5 55	1.5	.7	10	.7	100	3
462095	68 21 30	155 10 55	2	1	10	1	100	3
462096	68 21 26	155 10 16	.7	.3	3	.2	30	2
462097	68 20 54	155 18 27	.7	.2	5	.5	100	3
462098	68 21 7	155 18 17	1.5	.5	7	.7	100	3
462099	68 20 53	155 27 47	3	.3	7	.5	150	5
462100	68 20 46	155 28 15	1.5	.2	5	.5	70	3
462101	68 40 44	155 42 50	1	.2	5	.5	30	2
462102	68 43 47	155 46 38	1	.2	5	.5	50	2
462147	68 20 47	155 35 30	1.5	.3	3	.7	70	3
462148	68 20 56	155 35 53	.7	.15	5	.7	70	3
462149	68 22 46	155 33 28	.7	.2	3	.3	50	2
462150	68 23 22	155 32 47	1	1.5	3	.5	200	3
462151	68 22 59	155 29 32	1.5	.15	3	.5	50	3
462152	68 23 5	155 30 3	2	.5	5	.5	100	3
462153	68 22 41	155 20 34	.7	.15	5	.2	30	2
462154	68 23 14	155 20 59	.5	.3	3	.2	30	3
462155	68 23 49	155 10 20	.7	.2	5	.7	30	1
462156	68 22 50	155 11 33	2	.7	10	.7	150	3
462157	68 23 42	155 4 55	.5	.1	3	.3	50	2
462158	68 23 55	155 4 25	.7	.2	10	.7	50	3
462159	68 22 48	154 59 21	.5	.15	5	.5	50	3
462160	68 22 58	154 59 8	1	.5	10	.7	50	3
462161	68 22 55	154 54 28	1.5	.3	3	.7	100	3
462162	68 23 7	154 52 32	3	.5	7	.7	150	3
462163	68 25 5	154 53 25	1.5	.2	3	.5	100	3
462164	68 25 9	154 54 7	3	.5	3	.7	100	1.5
462165	68 24 58	154 59 59	1	.15	10	.7	100	3
462166	68 24 55	155 0 27	.7	.2	5	.5	70	3
462167	68 24 33	155 5 35	.2	.15	15	.15	10	1.5
462168	68 24 37	155 5 10	.7	.1	5	.5	70	2
462169	68 25 25	155 11 7	.7	.1	5	.5	50	2
462170	68 25 41	155 15 12	2	.7	10	.7	100	3
462171	68 25 35	155 21 18	.7	.15	5	.5	50	2
462172	68 25 35	155 28 38	1.5	.3	7	.7	50	3
462173	68 25 18	155 27 17	1.5	.2	5	.5	50	3
462174	68 25 25	155 38 28	1.5	.2	5	.5	100	3
462175	68 25 37	155 33 3	.7	.2	3	.5	50	2
462176	68 25 42	155 35 18	.7	.2	5	.7	50	2
462177	68 35 24	154 42 58	2	.7	10	.7	100	2
462178	68 35 29	154 42 18	2	.5	10	.7	50	2
462179	68 36 4	154 39 44	.2	.2	15	.1	<10	1.5
462180	68 36 11	154 38 8	1	.3	15	.7	30	3
462181	68 36 24	154 33 30	6	1.5	7	1	100	2
462182	68 36 38	154 34 4	3	.5	7	.7	150	3

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Sr-ppm s	Ba-ppm s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Nb-ppm s	Mn-ppm s	V-ppm s
462079	100	700	50	20	10	200	<20	1,500	100
462080	100	700	50	20	10	100	<20	700	100
462081	150	700	50	20	15	200	<20	1,000	150
462082	100	700	50	30	15	100	N	1,000	200
462083	150	1,000	<50	20	10	150	<20	>5,000	150
462084	100	700	<50	30	10	200	<20	2,000	150
462085	100	1,000	<50	20	10	150	<20	1,000	150
462086	200	1,500	50	50	20	200	<20	3,000	200
462087	200	700	50	30	15	200	<20	5,000	200
462088	150	700	50	20	10	200	<20	1,000	150
462089	150	1,000	50	30	15	150	<20	1,000	200
462090	300	>5,000	50	70	15	150	N	3,000	300
462091	150	1,000	50	50	15	150	N	700	300
462092	200	2,000	70	100	20	300	<20	2,000	700
462093	150	1,000	<50	30	15	150	N	>5,000	200
462094	150	700	50	30	15	150	<20	5,000	200
462095	300	>5,000	70	50	20	150	<20	5,000	300
462096	100	3,000	<50	20	10	150	N	>5,000	150
462097	100	700	N	20	15	300	<20	1,000	150
462098	150	1,000	<50	30	15	150	<20	>5,000	200
462099	200	>5,000	50	30	20	150	<20	5,000	200
462100	200	>5,000	50	30	20	150	<20	>5,000	200
462101	150	500	50	20	10	200	<20	700	150
462102	100	700	<50	20	10	150	<20	>5,000	100
462147	150	500	50	30	15	150	<20	200	150
462148	100	300	50	20	10	150	<20	1,000	150
462149	100	700	<50	20	10	100	<20	2,000	100
462150	150	5,000	<50	20	10	150	<20	700	150
462151	150	2,000	<50	30	15	150	<20	1,000	150
462152	150	3,000	50	30	15	100	<20	3,000	200
462153	100	700	<50	20	10	100	<20	2,000	100
462154	100	1,000	<50	20	10	70	N	700	150
462155	200	700	50	30	10	500	<20	2,000	150
462156	300	>5,000	70	30	20	150	<20	>5,000	200
462157	100	300	<50	20	7	100	N	1,000	100
462158	150	700	50	30	15	200	<20	2,000	150
462159	100	1,000	<50	20	10	300	N	1,500	100
462160	200	1,000	70	50	20	200	<20	2,000	200
462161	300	>5,000	70	50	15	150	<20	3,000	200
462162	200	1,000	70	50	20	200	<20	3,000	200
462163	200	1,500	50	30	10	150	<20	>5,000	150
462164	300	2,000	50	30	15	150	<20	3,000	200
462165	150	700	50	30	15	150	<20	2,000	150
462166	150	700	50	30	15	150	<20	2,000	150
462167	N	500	<50	20	7	50	N	>5,000	70
462168	150	700	50	30	15	200	<20	1,000	150
462169	100	1,000	50	30	15	200	<20	2,000	150
462170	150	2,000	50	30	15	150	<20	1,000	200
462171	100	500	50	30	10	200	<20	1,500	150
462172	150	500	50	50	15	300	<20	5,000	200
462173	150	1,000	50	30	10	150	<20	5,000	150
462174	200	2,000	70	30	10	150	<20	5,000	200
462175	100	700	50	20	10	150	<20	1,000	100
462176	100	700	<50	30	10	700	<20	1,000	100
462177	200	700	<50	30	15	200	<20	5,000	200
462178	200	1,000	50	50	15	500	<20	5,000	200
462179	N	700	<50	20	7	50	N	500	100
462180	200	1,000	<50	30	15	200	<20	>5,000	200
462181	300	>5,000	50	50	20	200	<20	5,000	200
462182	200	3,000	50	30	15	300	<20	5,000	200

Table 6. Emission spectrographic analyses of NURK stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Cr-ppm s	Co-ppm s	Ni-ppm s	Cu-ppm s	Zn-ppm s	Pb-ppm s	Ag-ppm s	Mo-ppm s	Sn-ppm s
462079	200	15	30	30	N	15	N	N	N
462080	150	10	20	50	N	15	N	N	N
462081	300	15	30	50	N	30	N	N	N
462082	200	20	70	70	N	30	<.5	N	N
462083	300	30	30	30	N	30	N	N	N
462084	300	20	50	50	N	30	N	N	N
462085	200	20	70	70	200	50	.7	<5	N
462086	500	30	100	70	<200	50	N	5	70
462087	500	30	70	70	<200	70	N	5	30
462088	200	15	50	30	N	20	N	N	N
462089	200	20	70	70	N	50	.5	N	N
462090	300	15	50	70	200	50	.7	7	N
462091	500	10	50	70	200	50	5	5	N
462092	1,000	15	70	100	<200	50	5	7	N
462093	200	15	50	50	200	50	N	<5	N
462094	200	20	50	50	200	70	N	N	N
462095	500	20	70	100	200	50	.7	5	N
462096	150	20	50	30	200	30	N	<5	<10
462097	150	20	70	50	<200	30	N	N	N
462098	200	30	70	70	200	70	N	<5	10
462099	200	30	100	100	200	50	N	7	N
462100	150	50	70	100	<200	50	N	7	<10
462101	150	10	30	20	N	30	N	N	N
462102	150	50	50	20	200	20	N	N	N
462147	300	10	30	30	200	50	N	N	N
462148	200	10	30	30	N	30	<.5	N	N
462149	200	10	30	15	<200	20	N	N	N
462150	100	10	30	20	<200	20	<.5	N	N
462151	150	30	70	70	<200	50	<.5	<5	N
462152	200	20	70	70	200	50	.5	5	N
462153	100	15	50	20	<200	50	N	N	N
462154	150	10	50	50	N	20	<.5	N	<10
462155	500	10	30	30	N	50	N	<5	N
462156	200	30	70	70	200	50	N	7	N
462157	100	10	10	15	<200	20	N	N	N
462158	300	20	50	50	<200	50	N	N	N
462159	150	20	50	50	<200	20	N	N	N
462160	500	30	50	70	<200	50	N	N	N
462161	200	20	50	70	200	50	.5	15	N
462162	200	20	50	70	200	50	<.5	7	N
462163	150	20	30	70	200	50	N	5	N
462164	200	15	30	50	N	30	N	5	N
462165	200	20	50	50	200	30	N	N	N
462166	150	15	30	50	200	30	N	N	N
462167	100	20	10	5	N	20	N	N	N
462168	200	20	30	50	200	30	N	N	N
462169	200	15	30	30	N	50	<.5	<5	N
462170	200	20	70	70	N	50	N	N	N
462171	100	15	30	30	200	20	N	N	N
462172	200	20	30	50	200	30	N	N	N
462173	200	20	50	30	200	30	N	N	N
462174	200	15	50	70	200	50	<.5	<5	N
462175	150	10	30	20	N	20	N	N	N
462176	500	10	30	30	N	20	N	N	N
462177	200	30	50	50	<200	50	N	N	N
462178	300	20	50	30	N	50	N	N	N
462179	70	<10	10	10	N	50	N	N	N
462180	300	70	50	30	<200	20	N	5	N
462181	500	20	70	70	200	30	<.5	<5	N
462182	200	20	70	70	200	50	N	<5	N

Table 6. Emission spectrographic analyses of HMR stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Mg-pct. s	Ca-pct. s	Fe-pct. s	Ti-pct. s	B-ppm s	Be-ppm s
462183	68 34 52	154 25 57	3	.3	7	.5	50	2
462184	68 35 4	154 25 40	1.5	.5	5	.7	100	3
462185	68 35 18	154 17 14	.7	.3	5	.5	30	1.5
462186	68 35 16	154 17 56	1	.5	5	.5	50	1.5
462187	68 35 41	154 10 9	2	.2	7	.7	50	2
462188	68 35 41	154 9 30	1	.2	5	.5	50	1
462189	68 36 13	154 2 45	1	.5	10	.5	50	1.5
462190	68 36 16	154 1 46	1.5	.2	15	.7	30	2
462191	68 34 29	153 57 57	.5	.15	3	.3	20	1
462192	68 35 12	153 54 16	1	.3	15	.5	50	3
462193	68 36 21	153 47 8	1	.3	5	.5	50	2
462194	68 35 32	153 46 40	1	.5	7	.5	100	3
462195	68 35 14	153 39 14	.5	.1	3	.5	20	1.5
462196	68 35 49	153 39 4	.7	.2	15	.5	50	2
462197	68 35 23	153 32 26	.5	.1	3	.5	30	1
462198	68 35 36	153 32 49	1	.15	10	.7	50	2
462199	68 34 39	153 28 40	2	.3	7	.5	100	2
462200	68 34 43	153 27 29	3	1	10	.7	30	2
462201	68 35 50	153 19 55	.5	.2	3	.3	30	1.5
462202	68 36 33	153 17 43	.3	.5	15	.2	10	1.5
462203	68 35 38	153 14 48	.5	.5	10	.5	50	3
462204	68 35 43	153 14 31	2	.5	10	.7	50	1.5
462205	68 35 10	153 7 28	.7	.2	3	.7	30	1.5
462206	68 36 24	153 6 37	.7	.15	3	.7	30	2
462207	68 37 47	153 9 3	5	1	7	.7	50	1.5
462208	68 37 39	153 9 40	1.5	.2	5	.5	30	2
462209	68 37 27	153 11 30	.5	.1	3	.5	30	2
462210	68 38 9	153 16 21	.05	.5	15	.02	N	1
462211	68 38 26	153 18 31	1.5	.5	10	.7	20	1.5
462212	68 38 28	153 19 21	1	.3	3	.5	30	2
462213	68 38 51	153 24 44	1.5	.3	5	.5	30	2
462214	68 38 44	153 25 12	.5	.3	10	.5	20	2
462215	68 39 1	153 33 12	1	.3	5	.5	30	2
462216	68 38 12	153 33 37	.7	.15	3	.5	50	1.5
462217	68 38 15	153 47 8	.7	.15	3	.5	30	1.5
462218	68 37 57	153 47 50	1	.2	5	.5	30	1.5
462219	68 38 2	153 56 35	.1	.15	15	.15	<10	1.5
462220	68 38 10	153 57 4	.5	.15	15	.3	15	1.5
462221	68 38 55	154 5 0	1	.15	7	1	50	1.5
462222	68 39 7	154 5 9	.5	.15	3	.3	30	1.5
462223	68 38 38	154 10 52	.7	.15	5	.7	50	1
462224	68 38 49	154 10 58	3	1	10	1	50	2
462225	68 38 33	154 16 57	1.5	.3	5	.5	30	1.5
462226	68 38 41	154 16 26	2	.5	10	1	50	2
462227	68 37 55	154 26 28	2	.5	10	.5	50	3
462228	68 37 49	154 26 53	.5	.15	3	.5	30	1
462229	68 37 13	154 30 32	3	1	15	1	50	1.5
462230	68 37 56	154 33 55	3	.5	10	.7	70	3
462231	68 37 48	154 37 3	3	.5	10	.7	100	3
462232	68 38 14	154 36 48	1	.2	5	.5	50	2
462233	68 37 42	154 43 41	2	.5	7	.7	100	3
462234	68 37 58	154 42 54	5	.7	15	1	100	3
462239	68 33 36	155 4 44	3	.2	15	.7	50	1.5
462240	68 33 16	155 4 37	.7	.15	7	.5	50	1
462241	68 31 10	155 5 45	.7	.2	15	.2	20	2
462242	68 31 10	155 6 33	.7	.15	10	.2	30	2
462243	68 29 21	155 11 22	5	.3	3	.3	100	5
462244	68 29 29	155 12 2	2	.2	3	.7	100	3
462245	68 32 33	155 18 40	.7	.5	5	.2	10	2
462246	68 32 49	155 18 50	.2	.7	10	.7	30	3

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Sr-ppm s	Ba-ppm s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Nb-ppm s	Mn-ppm s	V-ppm s
462183	100	700	<50	20	10	500	N	3,000	150
462184	150	2,000	50	30	15	300	<20	3,000	150
462185	100	300	<50	20	7	200	N	2,000	100
462186	100	700	<50	20	10	150	N	700	100
462187	150	700	50	50	15	700	<20	1,500	150
462188	100	500	50	30	10	700	N	500	100
462189	150	1,000	<50	20	15	150	<20	2,000	150
462190	200	500	70	30	15	500	<20	700	150
462191	100	300	<50	20	7	150	N	1,000	70
462192	150	500	<50	30	15	200	<20	>5,000	150
462193	100	500	<50	20	10	200	<20	1,000	100
462194	100	1,500	<50	20	10	150	<20	3,000	150
462195	100	500	<50	20	7	200	<20	300	100
462196	150	500	<50	30	10	200	N	700	100
462197	100	300	<50	20	7	500	<20	500	100
462198	150	500	50	30	15	500	<20	1,500	150
462199	150	1,500	50	30	15	700	<20	1,000	150
462200	200	700	70	30	15	500	20	1,500	200
462201	<100	300	N	20	7	150	<20	300	100
462202	<100	500	<50	20	10	70	N	3,000	100
462203	100	700	50	50	15	150	<20	5,000	150
462204	200	1,000	50	50	20	150	<20	2,000	200
462205	150	500	<50	30	15	200	<20	500	150
462206	100	500	<50	30	15	200	<20	500	150
462207	200	1,000	50	30	20	150	<20	3,000	200
462208	100	500	N	20	15	100	<20	>5,000	150
462209	100	300	N	20	10	300	<20	500	150
462210	<100	700	N	15	<5	20	N	>5,000	15
462211	150	700	N	20	15	150	<20	2,000	150
462212	150	500	N	20	10	200	<20	700	150
462213	150	500	N	20	10	150	<20	2,000	150
462214	100	500	N	30	10	150	<20	>5,000	150
462215	100	500	N	30	10	200	<20	3,000	150
462216	100	300	N	30	7	700	<20	700	100
462217	100	300	N	20	10	200	<20	700	100
462218	150	500	50	30	10	200	<20	2,000	150
462219	100	300	N	30	7	100	N	2,000	50
462220	100	300	N	30	10	200	<20	3,000	70
462221	<100	300	50	30	7	1,000	<20	5,000	150
462222	100	500	<50	20	10	150	<20	2,000	70
462223	<100	300	<50	20	5	1,000	<20	700	100
462224	150	700	N	30	15	700	<20	5,000	200
462225	<100	500	N	20	7	500	<20	3,000	100
462226	100	700	50	20	15	500	<20	5,000	200
462227	100	1,000	50	30	10	150	<20	>5,000	150
462228	100	1,000	<50	20	10	150	<20	1,000	100
462229	200	1,500	50	30	15	200	<20	>5,000	300
462230	100	700	N	30	15	150	<20	>5,000	200
462231	100	700	N	30	15	150	<20	>5,000	200
462232	150	700	<50	20	15	100	<20	3,000	150
462233	150	1,000	N	50	10	150	<20	3,000	200
462234	150	2,000	50	30	20	200	<20	>5,000	300
462239	150	700	50	20	15	150	<20	>5,000	300
462240	100	500	<50	20	10	150	<20	700	150
462241	100	700	N	20	10	100	N	5,000	150
462242	100	1,000	<50	20	10	200	N	>5,000	100
462243	100	5,000	<50	30	15	100	N	>5,000	200
462244	150	5,000	50	30	15	100	N	5,000	150
462245	150	700	<50	20	10	100	N	>5,000	150
462246	150	700	<50	50	15	150	<20	>5,000	200

Table 6. Emission spectrographic analyses of HORK stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Cr-ppm s	Co-ppm s	Ni-ppm s	Cu-ppm s	Zn-ppm s	Pb-ppm s	Ag-ppm s	Mo-ppm s	Sn-ppm s
462183	150	10	50	30	<200	20	N	N	N
462184	300	20	70	50	<200	50	N	<5	10
462185	100	10	30	30	N	10	N	N	N
462186	200	15	20	10	N	20	N	N	N
462187	500	15	30	30	N	30	N	N	N
462188	500	10	20	15	N	15	N	N	N
462189	200	20	30	50	N	30	N	N	N
462190	500	10	20	30	N	30	N	N	N
462191	100	10	20	15	N	15	N	N	N
462192	150	30	30	50	<200	30	N	N	N
462193	100	10	20	20	N	10	N	N	N
462194	200	15	50	50	<200	30	N	N	15
462195	150	10	20	15	N	15	N	N	N
462196	150	15	30	15	N	15	N	N	N
462197	150	10	20	10	N	15	N	N	N
462198	100	30	20	20	N	15	N	N	N
462199	200	30	50	70	N	20	N	<5	N
462200	300	20	30	50	N	20	N	<5	N
462201	150	<10	20	15	N	15	N	<5	N
462202	100	15	20	7	N	20	N	N	N
462203	200	20	50	50	N	20	N	N	N
462204	300	20	30	50	N	50	N	N	N
462205	300	10	20	20	N	20	N	N	N
462206	200	10	20	30	N	20	N	N	N
462207	150	20	30	50	<200	50	N	N	N
462208	100	70	20	20	<200	20	N	N	N
462209	200	<10	20	10	N	15	N	N	N
462210	20	100	20	<5	<200	10	N	N	N
462211	300	20	20	15	<200	20	N	N	N
462212	200	10	20	15	<200	20	N	N	N
462213	100	30	30	20	<200	20	N	N	N
462214	200	50	30	15	N	15	N	5	N
462215	150	30	30	15	N	15	N	N	N
462216	200	<10	20	10	N	20	N	N	N
462217	300	10	20	15	N	15	N	N	N
462218	150	15	30	20	N	15	N	N	N
462219	70	20	20	10	N	10	N	N	N
462220	100	15	20	15	N	15	N	N	N
462221	500	30	20	30	N	15	N	N	N
462222	100	30	30	15	N	20	N	N	N
462223	300	10	10	5	N	10	N	N	N
462224	500	20	30	50	N	20	N	N	N
462225	100	20	20	15	N	15	N	N	N
462226	300	30	30	30	N	20	N	N	N
462227	200	30	30	70	<200	20	N	<5	N
462228	150	15	30	20	N	20	N	<5	N
462229	200	30	30	30	N	20	N	N	N
462230	150	30	30	50	<200	50	.7	N	N
462231	200	15	30	70	<200	50	N	N	N
462232	100	20	50	30	<200	30	N	N	N
462233	150	10	20	30	<200	30	N	N	N
462234	300	30	50	100	<200	30	N	<5	N
462239	200	30	30	70	N	30	N	N	N
462240	100	30	30	20	N	20	N	N	N
462241	500	30	30	15	N	50	N	<5	N
462242	1,000	50	20	20	N	30	N	<5	N
462243	200	30	50	30	200	50	N	10	N
462244	500	10	20	20	200	50	N	<5	N
462245	300	30	20	10	N	10	N	N	N
462246	300	50	50	30	N	30	N	N	N

Table 6. Emission spectrographic analyses of HURR stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Mg-pct. s	Ca-pct. s	Fe-pct. s	Ti-pct. s	B-ppm s	Be-ppm s
462249	68 31 53	155 28 4	5	.7	10	1	100	2
462250	68 31 38	155 20 16	2	.5	5	.7	100	3
462251	68 28 47	155 19 27	1.5	.3	5	.7	100	3
462252	68 27 59	155 22 3	.7	.3	2	.3	50	3
462253	68 28 8	155 27 4	2	2	3	.5	150	3
462254	68 28 17	155 26 6	2	1.5	3	.5	150	5
462255	68 29 17	155 26 28	1.5	.5	7	.5	70	1.5
462256	68 29 19	155 27 16	3	.7	15	.7	150	3
462257	68 32 32	155 26 58	1	.2	5	.5	100	3
462258	68 32 49	155 26 23	1	.2	5	.7	100	3
462259	68 27 50	155 33 32	3	2	3	.3	150	5
462260	68 27 59	155 34 1	1	1	5	.5	150	5
462261	68 30 17	155 34 1	2	1	15	.7	150	5
462262	68 30 4	155 34 33	.7	1	20	.2	50	5
462263	68 30 6	155 38 7	2	1.5	10	.7	100	3
462264	68 29 54	155 38 59	3	1.5	15	.7	100	3
462265	68 28 17	155 13 23	2	.3	10	.7	150	2
462266	68 28 7	155 12 31	2	.3	10	.7	100	3
462267	68 27 38	155 6 47	1	.2	15	.7	70	3
462268	68 28 17	155 1 50	1	.3	10	1	100	3
462269	68 28 11	155 0 53	1.5	.3	7	.7	100	2
462270	68 28 34	154 54 11	1	.15	5	.7	70	2
462271	68 28 18	154 54 19	1.5	.2	10	.7	150	3
462272	68 27 51	154 44 28	.5	.05	5	.5	70	1.5
462273	68 27 51	154 43 43	.5	.05	10	.5	70	1.5
462274	68 27 51	154 39 22	2	.2	7	.7	200	3
462275	68 28 5	154 38 52	1	.2	15	.5	150	3
462276	68 27 59	154 39 22	1.5	.2	10	.7	150	3
462277	68 27 45	154 38 1	1	.2	7	1	200	5
462278	68 28 42	154 24 11	5	1	5	.7	100	3
462279	68 28 24	154 23 48	5	.7	15	1	150	3
462280	68 27 54	154 19 37	.7	.15	5	.5	50	2
462281	68 27 57	154 18 55	1	.15	10	1	50	3
462282	68 28 25	154 17 23	.7	.1	5	.7	30	1
462283	68 28 18	154 16 19	.7	.2	3	.5	30	1.5
462284	68 27 47	154 5 5	2	.5	15	1	50	3
462285	68 27 30	154 4 22	2	.5	15	1	100	3
462286	68 26 34	153 54 24	1	.3	7	1	30	2
462287	68 26 56	153 54 19	.7	.2	5	1	30	1.5
462288	68 27 19	153 48 48	.7	.2	7	.7	30	1.5
462289	68 27 11	153 47 41	1	.5	15	.7	30	2
462290	68 27 59	153 42 51	1.5	.2	10	1	30	3
462291	68 27 47	153 42 31	2	.2	15	1	30	3
462292	68 28 13	153 37 57	1	.2	15	.7	20	2
462293	68 27 12	153 37 42	2	.3	10	1	100	3
462294	68 25 23	153 42 59	2	.3	7	.7	30	1.5
462295	68 25 20	153 43 35	3	.5	10	.7	50	3
462297	68 23 4	153 47 5	1.5	.2	5	.7	30	2
462298	68 23 6	153 48 7	2	.2	15	1	50	3
462299	68 24 33	153 50 9	1.5	.7	7	1	50	3
462300	68 24 51	153 50 54	1.5	.15	10	1	50	3
462301	68 30 48	154 44 3	1	.2	3	.7	50	2
462302	68 30 48	154 42 19	.7	.1	3	.5	50	3
462303	68 31 6	154 39 34	3	1	5	1	70	2
462304	68 31 21	154 39 7	1	.7	5	.5	50	3
462305	68 30 18	154 31 51	1.5	.3	5	1	50	2
462306	68 29 58	154 31 13	1	.3	5	1	70	3
462307	68 30 35	154 23 37	1	.2	5	.5	50	3
462308	68 31 2	154 22 45	1.5	.5	7	.7	50	3
462309	68 29 58	154 15 1	1.5	.3	5	.7	30	2

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Sr-ppm s	Ba-ppm s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Nb-ppm s	Mn-ppm s	V-ppm s
462249	150	3,000	100	50	20	200	<20	>5,000	300
462250	100	1,000	<50	50	15	200	N	3,000	150
462251	100	700	<50	20	15	200	<20	3,000	200
462252	100	700	150	100	20	70	N	700	150
462253	1,000	>5,000	70	50	15	150	N	2,000	200
462254	500	>5,000	100	50	15	150	N	3,000	300
462255	300	>5,000	50	30	20	100	<20	3,000	300
462256	300	5,000	50	50	20	150	<20	5,000	500
462257	200	500	50	20	10	150	N	1,500	100
462258	100	500	<50	20	10	150	N	2,000	100
462259	700	>5,000	70	30	10	100	N	5,000	300
462260	500	>5,000	70	30	15	100	N	>5,000	500
462261	100	2,000	100	30	20	150	N	3,000	500
462262	100	1,500	<50	70	15	100	N	>5,000	150
462263	100	>5,000	50	30	15	150	N	>5,000	150
462264	100	5,000	50	30	20	150	<20	>5,000	300
462265	100	>5,000	70	30	20	150	<20	3,000	200
462266	100	2,000	50	20	15	150	<20	>5,000	200
462267	100	1,000	50	30	15	200	<20	>5,000	200
462268	100	1,000	50	30	15	150	<20	2,000	200
462269	N	700	<50	20	10	300	<20	2,000	200
462270	100	3,000	50	20	20	200	<20	1,000	150
462271	100	1,000	50	30	20	200	<20	3,000	200
462272	100	1,000	50	20	10	200	<20	3,000	100
462273	100	1,000	50	30	20	200	<20	5,000	100
462274	300	>5,000	70	50	20	200	<20	>5,000	500
462275	150	2,000	50	30	15	700	<20	>5,000	150
462276	100	700	50	50	20	500	<20	2,000	200
462277	100	500	50	50	15	1,000	<20	500	300
462278	200	1,000	50	30	15	100	N	3,000	200
462279	200	2,000	50	50	30	700	N	5,000	500
462280	100	1,000	50	20	10	500	<20	>5,000	100
462281	100	700	<50	30	15	200	N	700	200
462282	<100	500	<50	20	7	500	N	1,000	100
462283	100	700	N	20	7	150	N	2,000	100
462284	150	700	70	50	20	700	<20	5,000	500
462285	150	700	50	50	20	500	<20	3,000	500
462286	100	700	50	20	10	700	N	5,000	200
462287	100	500	<50	20	10	500	N	2,000	150
462288	100	500	<50	20	10	500	N	2,000	150
462289	100	1,000	<50	30	10	700	N	>5,000	150
462290	100	500	<50	20	10	200	N	1,000	200
462291	100	500	<50	30	15	200	N	5,000	200
462292	100	700	<50	20	10	500	N	>5,000	150
462293	100	700	<50	30	15	150	<20	>5,000	300
462294	100	500	<50	15	10	150	N	2,000	150
462295	100	700	<50	30	15	200	N	3,000	200
462297	100	300	<50	20	10	150	N	1,000	100
462298	100	500	<50	20	10	200	N	3,000	200
462299	100	1,000	50	30	15	300	N	1,000	300
462300	100	500	50	20	10	150	<20	1,000	150
462301	150	2,000	<50	30	15	200	<20	700	150
462302	100	700	<50	30	15	150	<20	700	150
462303	300	>5,000	50	50	20	200	20	5,000	300
462304	200	5,000	<50	30	15	150	<20	>5,000	200
462305	200	>5,000	50	50	15	500	<20	3,000	300
462306	200	>5,000	50	30	15	700	<20	3,000	200
462307	150	5,000	<50	30	10	150	<20	>5,000	150
462308	200	>5,000	<50	30	15	150	<20	>5,000	300
462309	150	500	<50	30	10	150	<20	3,000	150

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Cr-ppm s	Co-ppm s	Ni-ppm s	Cu-ppm s	Zn-ppm s	Pb-ppm s	Ag-ppm s	Mo-ppm s	Sn-ppm s
462249	1,000	30	50	50	200	50	N	N	N
462250	500	20	50	30	200	30	N	N	N
462251	300	20	50	30	N	20	N	N	N
462252	200	<10	30	50	N	70	1	N	N
462253	300	15	50	50	200	30	.7	5	N
462254	300	15	50	50	200	30	.7	10	N
462255	100	30	150	70	200	20	<.5	10	N
462256	200	50	70	100	200	70	N	5	10
462257	200	15	20	20	N	20	N	N	N
462258	200	15	30	30	N	30	N	N	N
462259	200	20	70	100	300	50	N	10	20
462260	300	30	70	100	500	50	N	10	N
462261	300	20	70	100	N	20	<.5	5	N
462262	200	20	100	100	200	15	N	<5	N
462263	200	20	50	70	<200	20	N	<5	N
462264	300	20	70	70	<200	30	N	5	N
462265	500	20	70	70	<200	30	N	<5	N
462266	500	20	50	70	<200	50	N	<5	N
462267	500	50	50	30	<200	30	N	5	N
462268	200	20	50	70	<200	50	N	N	N
462269	300	15	50	70	<200	30	N	N	N
462270	100	15	150	70	N	20	<.5	5	N
462271	300	20	70	70	<200	50	<.5	<5	N
462272	100	20	100	30	N	20	N	<5	N
462273	100	70	150	15	N	20	N	<5	N
462274	300	30	70	200	<200	70	N	15	N
462275	300	30	50	50	<200	30	N	N	N
462276	200	30	50	70	<200	70	N	N	N
462277	300	20	70	50	N	70	<.5	N	10
462278	500	20	20	50	<200	70	N	N	20
462279	700	30	70	100	<200	70	N	<5	N
462280	200	20	20	15	N	30	N	N	N
462281	200	20	50	50	N	20	N	<5	N
462282	100	15	20	10	N	<10	N	N	N
462283	100	10	30	15	N	15	N	N	N
462284	500	30	70	100	<200	50	N	N	N
462285	200	30	50	100	<200	30	N	N	N
462286	200	15	30	30	N	15	N	N	N
462287	100	10	20	20	N	15	N	N	N
462288	150	10	20	15	N	10	N	N	N
462289	150	30	50	50	<200	15	N	N	N
462290	100	15	30	70	N	20	.5	N	N
462291	200	20	30	70	N	20	N	N	N
462292	100	50	20	15	N	15	N	N	N
462293	150	50	50	50	<200	50	N	N	N
462294	200	10	20	20	N	15	N	N	N
462295	500	15	50	50	<200	50	<.5	N	N
462297	70	10	20	30	N	15	N	N	N
462298	150	20	30	50	N	20	N	N	N
462299	300	15	30	70	N	30	N	N	N
462300	150	10	30	30	N	30	N	N	N
462301	200	10	30	20	N	20	N	<5	N
462302	150	10	50	30	N	20	N	<5	N
462303	1,000	30	70	100	N	20	N	5	N
462304	150	30	70	70	500	30	N	5	N
462305	1,500	20	50	30	N	20	N	<5	N
462306	1,000	30	100	70	N	20	N	<5	N
462307	100	50	150	50	300	20	N	N	N
462308	200	50	100	70	200	20	N	5	N
462309	300	20	70	20	N	20	N	N	N

Table 6. Emission spectrographic analyses of HVRK stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Mg-pct. s	Ca-pct. s	Fe-pct. s	Ti-pct. s	B-ppm s	Be-ppm s
462310	68 30 5	154 14 53	1	.3	7	.7	20	1.5
462311	68 29 33	154 7 34	.7	.2	5	.7	20	1
462312	68 29 55	154 7 27	.7	.2	5	.5	20	1
462313	68 29 56	154 2 54	1.5	.3	10	1	50	3
462314	68 30 14	154 2 49	1	.2	7	1	30	3
462315	68 29 46	153 55 11	1	1	15	.5	20	3
462316	68 29 47	153 54 20	1	.3	5	.7	30	2
462317	68 30 48	153 46 30	.5	.1	7	.7	20	2
462318	68 30 49	153 45 51	.7	.1	3	.7	20	1.5
462319	68 30 19	153 41 4	.7	.15	7	.7	20	1.5
462320	68 30 8	153 40 24	.5	.1	5	.5	15	1.5
462321	68 29 59	153 33 9	.5	.05	7	.5	30	1
462322	68 30 8	153 32 35	.3	.05	7	.5	30	1
462323	68 30 55	153 28 57	1	.2	7	.7	30	<1
462324	68 30 47	153 28 23	1.5	.5	5	.5	50	1
462325	68 29 40	153 19 57	.3	.2	7	.2	20	1
462326	68 29 49	153 19 32	.5	.5	7	.5	30	1
462327	68 29 50	153 14 32	.5	.3	2	.3	30	1
462328	68 29 32	153 14 15	.7	.2	5	.5	50	1.5
462329	68 30 13	153 7 42	.7	.15	3	.7	30	1
462330	68 30 16	153 6 51	.2	.15	3	.5	30	1
462331	68 32 31	153 8 31	.5	.05	5	.5	50	1.5
462332	68 32 39	153 9 19	.5	.05	2	.5	50	1.5
462333	68 33 0	153 13 10	.2	.05	7	.5	30	1.5
462334	68 32 51	153 13 38	.3	.07	5	.5	30	1
462335	68 33 36	153 22 4	.5	.2	7	.5	30	1
462336	68 33 41	153 23 4	.7	.2	7	.5	30	1
462337	68 33 3	153 27 11	1.5	.5	7	.5	30	1
462338	68 32 52	153 27 22	.7	.3	5	.3	30	1
462339	68 32 45	153 33 45	.2	<.05	2	.5	30	<1
462340	68 33 1	153 34 5	.3	<.05	3	.7	50	1
462341	68 33 6	153 41 18	.7	.1	5	.5	50	1
462342	68 32 52	153 41 26	.07	.2	15	.15	15	1
462343	68 33 20	153 47 58	.5	.1	5	.5	50	1.5
462344	68 33 9	153 47 41	.5	.2	3	.3	50	1
462345	68 33 33	153 55 17	.7	.07	5	.7	50	1
462346	68 33 23	153 56 5	.5	.1	7	.7	50	1
462347	68 33 17	154 3 12	.7	.15	5	.5	30	<1
462348	68 32 59	154 3 40	.7	.1	5	.7	30	1.5
462349	68 31 50	154 11 19	.5	.1	7	.7	20	1
462350	68 32 9	154 11 31	.3	.05	3	.5	20	<1
462351	68 32 35	154 17 35	.05	.07	15	.05	N	1
462352	68 32 33	154 18 17	.7	.15	3	.5	50	1
462353	68 32 24	154 24 36	.7	.05	5	.5	70	2
462354	68 32 22	154 25 12	.7	.15	3	.3	50	1.5
462355	68 33 43	154 32 13	.5	.2	3	.3	70	1
462356	68 33 37	154 32 58	.7	.2	3	.3	50	1
462357	68 33 32	154 37 5	1	.2	3	.5	70	1.5
462358	68 33 38	154 37 42	.7	.3	3	.5	70	1.5
462359	68 32 27	154 45 25	.5	.1	3	.5	50	1
462360	68 32 31	154 46 21	.7	.2	5	.3	50	1
462361	68 40 6	155 26 37	1.5	.2	5	.5	50	1
462362	68 40 19	155 26 18	1.5	.3	5	.5	50	1.5
462363	68 42 50	155 31 25	1	.5	5	.3	50	2
462369	68 33 2	155 44 3	1	.2	5	.3	50	1
462371	68 36 7	155 39 52	2	.7	5	.3	100	2
462372	68 36 20	155 39 14	1	.3	5	.5	50	2
462373	68 37 50	155 40 42	.1	.1	2	.15	20	1
462374	68 38 32	155 41 1	.7	.15	3	.3	20	1.5
462375	68 37 46	155 32 38	.7	.1	5	.2	20	1

Table 6. Emission spectrographic analyses of HORX stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Sr-ppm s	Ba-ppm s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Nb-ppm s	Mn-ppm s	V-ppm s
462310	150	700	N	30	10	500	<20	5,000	200
462311	100	300	N	20	10	700	<20	700	150
462312	150	300	N	30	10	300	<20	700	150
462313	150	700	50	30	20	200	<20	3,000	200
462314	150	700	50	30	15	200	<20	2,000	150
462315	150	1,000	N	20	15	200	N	>5,000	150
462316	100	500	N	20	15	700	<20	3,000	150
462317	100	500	N	30	15	200	N	500	150
462318	100	300	N	20	10	300	<20	500	100
462319	100	500	<50	30	10	500	<20	2,000	150
462320	100	300	<50	20	10	150	<20	500	100
462321	<100	500	50	30	20	150	<20	500	150
462322	100	700	50	20	10	150	<20	500	150
462323	100	300	50	30	20	200	<20	700	200
462324	150	500	<50	15	20	200	<20	1,000	200
462325	100	1,500	<50	30	7	70	N	>5,000	150
462326	100	700	<50	20	10	100	<20	>5,000	150
462327	100	300	N	15	7	100	N	500	100
462328	150	300	50	20	15	150	<20	500	150
462329	150	300	<50	20	10	200	<20	500	200
462330	100	200	<50	15	7	150	N	700	100
462331	100	500	<50	20	15	150	<20	200	200
462332	100	500	<50	20	10	200	<20	300	100
462333	100	300	<50	15	10	200	<20	500	100
462334	100	500	<50	15	7	200	<20	3,000	100
462335	100	700	<50	20	10	150	<20	3,000	150
462336	100	700	<50	20	10	300	<20	5,000	150
462337	100	1,000	<50	20	20	100	N	5,000	200
462338	100	700	<50	20	20	100	<20	3,000	150
462339	<100	200	<50	15	5	150	<20	70	70
462340	<100	300	<50	20	10	300	<20	100	150
462341	<100	500	50	30	10	300	<20	300	200
462342	<100	300	<50	15	5	70	N	1,000	50
462343	100	1,000	50	20	10	150	N	1,500	150
462344	100	1,500	50	15	7	150	<20	1,000	100
462345	100	300	<50	15	10	300	<20	300	150
462346	100	300	50	20	10	300	<20	1,000	150
462347	<100	300	<50	20	10	100	<20	700	150
462348	100	300	50	30	10	300	<20	300	150
462349	100	500	50	30	10	500	<20	3,000	150
462350	<100	300	<50	15	5	200	<20	300	100
462351	N	700	N	15	5	20	N	200	70
462352	100	1,500	<50	15	7	200	<20	500	100
462353	100	2,000	<50	20	10	200	<20	1,000	150
462354	150	5,000	<50	15	7	150	<20	2,000	100
462355	150	5,000	<50	20	10	150	<20	1,500	200
462356	200	>5,000	<50	15	7	100	<20	1,500	200
462357	200	>5,000	<50	20	10	100	<20	2,000	200
462358	200	>5,000	50	30	10	100	<20	1,500	300
462359	100	1,500	<50	15	7	200	<20	1,500	150
462360	100	2,000	<50	15	7	100	<20	3,000	150
462361	<100	500	<50	20	15	150	<20	1,000	150
462362	<100	500	<50	20	15	100	<20	3,000	150
462363	<100	500	<50	15	10	150	<20	700	150
462369	<100	1,000	<50	20	15	150	<20	1,000	150
462371	<100	700	<50	20	15	100	<20	1,000	150
462372	<100	500	<50	20	10	150	<20	700	100
462373	N	500	N	10	<5	50	N	700	50
462374	<100	700	<50	15	7	150	<20	1,000	70
462375	N	700	N	15	7	100	<20	500	100

Table 6. Emission spectrographic analyses of HVRK stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Cr-ppm s	Co-ppm s	Ni-ppm s	Cu-ppm s	Zn-ppm s	Pb-ppm s	Ag-ppm s	Mo-ppm s	Sn-ppm s
462310	200	30	50	15	N	15	N	N	N
462311	200	10	30	10	N	10	N	N	N
462312	200	10	30	20	N	15	N	N	N
462313	200	30	70	70	N	50	N	N	N
462314	200	20	70	50	N	30	N	N	N
462315	150	30	50	50	<200	20	N	N	N
462316	1,000	15	30	20	N	20	N	N	N
462317	150	10	50	30	N	15	N	N	N
462318	150	10	20	10	N	15	N	N	N
462319	200	30	30	10	N	20	N	N	N
462320	100	15	20	20	N	15	N	N	N
462321	100	15	30	50	N	20	N	<5	N
462322	100	15	30	30	N	20	N	<5	N
462323	150	50	100	30	N	20	N	N	N
462324	150	15	100	50	N	15	N	N	N
462325	100	100	150	30	200	15	N	N	N
462326	150	50	100	30	<200	30	N	<5	N
462327	70	10	30	20	N	15	N	N	N
462328	100	15	50	50	N	20	N	N	N
462329	100	15	50	30	<200	20	N	N	N
462330	50	10	30	20	N	15	N	N	N
462331	100	10	30	30	N	20	N	N	N
462332	100	10	30	30	N	30	<.5	N	N
462333	100	10	20	30	N	100	N	N	N
462334	100	50	30	20	N	20	N	N	N
462335	100	70	30	20	N	15	N	N	N
462336	150	70	100	30	N	20	N	N	N
462337	70	50	30	50	<200	20	N	5	N
462338	50	15	30	70	<200	15	N	N	<10
462339	70	<10	20	10	N	10	<.5	N	N
462340	150	10	30	30	N	<10	N	<5	N
462341	100	15	30	50	N	20	<.5	N	N
462342	50	50	30	5	N	<10	N	N	N
462343	100	20	100	50	<200	20	1	5	N
462344	100	10	30	50	<200	15	N	N	N
462345	100	10	30	30	<200	20	N	N	N
462346	100	20	30	30	N	10	N	N	N
462347	100	15	30	30	N	20	N	N	N
462348	150	15	50	30	N	20	N	N	N
462349	150	70	70	30	N	15	N	N	N
462350	50	10	20	15	N	15	N	N	N
462351	30	10	20	5	N	N	N	<5	N
462352	100	15	50	30	N	15	<.5	<5	N
462353	100	15	50	70	N	30	<.5	<5	N
462354	150	15	50	50	<200	15	N	<5	N
462355	100	20	50	70	<200	20	.5	7	N
462356	100	20	100	70	<200	15	<.5	7	N
462357	100	20	100	100	<200	15	.5	7	N
462358	150	20	150	200	200	20	.5	7	N
462359	100	50	30	30	N	15	N	<5	N
462360	100	30	30	50	<200	15	N	5	N
462361	100	20	70	30	N	10	N	N	N
462362	100	30	100	30	N	20	N	N	N
462363	100	15	50	30	N	20	N	N	N
462369	100	20	70	50	N	15	N	<5	N
462371	70	20	70	50	N	30	N	N	N
462372	100	15	50	50	N	15	N	N	N
462373	50	<10	30	5	N	N	N	N	N
462374	150	20	30	15	<200	10	N	N	N
462375	150	15	50	20	<200	15	N	N	N

Table 6. Emission spectrographic analyses of HMRE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Mg-pct. s	Ca-pct. s	Fe-pct. s	Ti-pct. s	B-ppm s	Be-ppm s
462376	68 38 0	155 32 18	.7	.15	5	.2	20	1
462377	68 37 57	155 29 8	1.5	.2	3	.2	30	1
462378	68 37 55	155 28 3	.1	.3	1.5	.07	15	1
462379	68 38 40	155 23 10	.7	.1	3	.2	20	1
462380	68 38 34	155 22 19	.05	.1	15	.01	N	1
462381	68 38 48	155 16 10	2	.3	3	.3	30	1
462382	68 38 37	155 15 18	1	.15	7	.2	20	1.5
462383	68 40 17	155 10 50	1	.2	3	.2	30	1
462384	68 40 33	155 9 57	1	.2	5	.3	50	1.5
462387	68 39 42	154 59 28	.7	.2	3	.3	50	1.5
462388	68 39 43	154 58 31	1	.3	3	.3	70	1.5
462389	68 37 17	154 53 30	.7	.15	3	.2	50	2
462390	68 37 0	154 53 43	1.5	.2	3	.3	70	2
462391	68 36 14	154 51 10	.5	.07	2	.3	30	1.5
462392	68 36 18	154 50 31	.05	.07	5	.07	10	1.5
462395	68 30 53	154 52 3	.2	.05	2	.15	30	1
462396	68 30 43	154 52 34	.3	.07	3	.2	30	2
462397	68 30 48	154 58 17	.05	.1	2	.1	10	1.5
462398	68 30 25	154 58 21	.1	.07	10	.15	10	1.5
462399	68 33 24	154 57 38	.3	.1	5	.15	10	1.5
462400	68 33 25	154 56 50	.2	.1	5	.3	20	1
462401	68 24 40	153 53 27	.3	.1	2	.2	30	1.5
462402	68 24 44	153 54 12	.3	.1	2	.15	20	1
462403	68 23 28	153 53 23	.5	.15	3	.2	20	1
462404	68 23 4	153 53 45	.7	.5	2	.15	50	1
462405	68 22 51	153 59 30	.5	.15	3	.2	20	1
462406	68 23 4	153 59 59	.5	.2	3	.5	30	1.5
462407	68 24 35	154 0 27	.5	.1	3	.5	30	1
462409	68 25 35	154 7 56	.07	.2	15	.03	<10	1
462410	68 24 47	154 12 17	.07	.2	15	.1	<10	1
462411	68 23 28	154 11 58	.7	.5	3	.3	20	1
462412	68 23 47	154 12 40	.7	.5	3	.2	30	1.5
462413	68 24 28	154 15 21	1	.5	3	.3	20	1
462414	68 24 8	154 15 32	2	2	7	.5	20	2
462415	68 23 6	154 19 46	1.5	.5	7	.7	150	3
462416	68 24 30	154 20 9	2	1	7	.5	100	2
462417	68 22 24	154 25 8	.3	.2	3	.2	30	1.5
462418	68 22 33	154 26 1	1	1	3	.3	50	1
462419	68 25 9	154 25 55	.5	.1	3	.5	70	2
462420	68 25 15	154 28 26	.2	.07	3	.3	30	1
462454	68 38 8	155 49 30	.3	.5	3	.5	20	1
462458	68 42 16	155 56 35	.7	.2	3	.5	30	1
462459	68 42 20	155 57 46	1	.7	7	.5	50	2
462481	68 43 26	155 24 54	3	.3	7	.3	30	<1
462482	68 43 47	155 31 56	1	.3	7	.7	50	1.5
462483	68 40 51	155 22 3	1	.2	5	.3	50	1.5
462484	68 40 43	155 21 29	.7	.15	5	.3	50	1.5
462485	68 36 9	155 4 25	1.5	.2	10	.5	70	3
462486	68 37 53	155 4 44	.05	.1	.2	.05	10	1
462487	68 37 59	155 6 18	.7	.07	7	.3	30	2
462501	68 28 12	155 53 18	.7	.2	3	.2	30	1
462502	68 27 50	155 53 13	.3	.15	3	.2	20	1.5
462503	68 25 12	155 56 39	.3	.1	5	.15	30	1.5
462504	68 25 2	155 56 12	.3	.1	3	.3	30	1
462505	68 23 1	155 57 36	.2	.07	2	.3	30	2
462506	68 22 47	155 57 40	.2	.07	5	.3	30	1.5
462507	68 21 5	155 54 32	.5	.07	3	.7	50	2
462508	68 20 48	155 54 36	.7	.1	5	.5	50	2
462509	68 19 18	155 54 9	.5	.15	5	.7	100	3
462510	68 19 19	155 55 7	.5	.05	5	.5	50	3

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Sr-ppm s	Ba-ppm s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Nb-ppm s	Mn-ppm s	V-ppm s
462376	<100	700	<50	15	7	150	N	700	100
462377	N	300	N	15	7	70	N	500	100
462378	<100	300	N	10	<5	20	N	500	20
462379	N	300	N	20	7	100	<20	700	70
462380	N	300	N	15	N	<10	N	1,000	15
462381	<100	700	N	15	10	100	<20	700	150
462382	<100	500	N	20	10	100	<20	>5,000	100
462383	<100	500	<50	20	10	100	<20	1,000	100
462384	<100	1,000	<50	20	10	150	<20	1,500	150
462387	<100	500	50	20	10	100	<20	1,000	100
462388	100	700	<50	20	10	100	<20	2,000	100
462389	<100	500	<50	20	10	100	N	1,000	100
462390	100	700	<50	20	10	100	N	2,000	100
462391	<100	500	<50	20	7	150	N	200	70
462392	N	500	N	15	5	20	N	100	50
462395	<100	500	N	15	7	70	N	100	70
462396	100	1,000	<50	20	7	100	N	300	70
462397	N	300	N	10	5	50	N	100	50
462398	N	500	N	15	7	50	N	1,000	50
462399	<100	500	N	15	7	100	N	5,000	70
462400	<100	500	<50	20	7	200	<20	300	70
462401	N	300	N	15	5	200	<20	300	50
462402	N	300	N	15	5	70	N	500	50
462403	<100	700	N	20	7	150	N	500	70
462404	100	1,000	N	15	7	70	N	700	100
462405	<100	500	<50	20	7	100	<20	300	70
462406	<100	700	<50	20	10	50	<20	300	100
462407	<100	300	<50	15	7	200	N	200	100
462409	N	150	N	10	5	50	N	1,000	20
462410	N	300	N	15	5	30	N	3,000	30
462411	<100	700	N	20	10	150	N	700	100
462412	<100	1,000	N	20	10	200	<20	700	150
462413	<100	300	N	20	10	150	<20	700	150
462414	200	700	N	20	15	100	<20	2,000	150
462415	200	2,000	50	30	15	150	<20	1,000	150
462416	200	2,000	50	30	10	150	<20	2,000	300
462417	<100	300	N	15	7	100	N	500	70
462418	100	2,000	50	20	10	100	<20	700	100
462419	100	1,000	50	30	10	500	<20	1,000	150
462420	<100	500	N	15	7	150	<20	1,000	100
462454	100	500	N	20	10	150	N	1,000	100
462458	<100	500	N	15	7	150	N	2,000	100
462459	150	700	50	30	10	200	N	2,000	150
462481	<100	500	N	15	10	150	N	3,000	100
462482	100	700	50	15	10	200	<20	1,000	150
462483	100	700	50	20	10	100	<20	2,000	100
462484	<100	500	50	20	10	100	<20	300	100
462485	<100	700	<50	20	10	100	N	3,000	150
462486	N	300	<50	15	7	30	N	15	15
462487	<100	700	50	20	15	100	<20	>5,000	150
462501	<100	1,000	<50	20	10	150	<20	1,000	100
462502	N	500	N	15	7	100	N	500	100
462503	<100	700	<50	20	10	100	N	500	70
462504	<100	300	<50	20	7	150	<20	700	70
462505	<100	500	<50	20	7	100	N	100	70
462506	<100	500	N	20	7	100	N	500	100
462507	100	700	50	20	15	100	<20	200	100
462508	<100	700	50	30	15	150	<20	700	150
462509	100	700	50	30	15	150	<20	3,000	150
462510	<100	300	<50	30	15	100	<20	500	100

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Cr-ppm s	Co-ppm s	Ni-ppm s	Cu-ppm s	Zn-ppm s	Pb-ppm s	Ag-ppm s	Mo-ppm s	Sn-ppm s
462376	100	15	50	10	<200	15	N	N	N
462377	70	10	50	30	<200	15	N	N	N
462378	20	<10	5	5	N	N	N	N	N
462379	70	15	30	20	N	20	N	N	N
462380	N	10	5	<5	N	<10	N	N	N
462381	100	10	30	50	<200	15	N	N	N
462382	100	100	50	20	N	15	N	<5	N
462383	70	20	50	50	<200	20	N	N	N
462384	100	20	70	50	<200	20	N	<5	N
462387	70	20	50	30	<200	20	N	N	N
462388	100	20	50	30	<200	20	N	N	N
462389	100	15	30	20	N	15	N	N	N
462390	70	20	30	30	<200	20	N	N	N
462391	100	<10	20	7	N	10	N	N	N
462392	30	<10	10	<5	N	<10	N	N	N
462395	70	<10	15	15	N	10	<.5	N	N
462396	70	<10	20	15	N	15	N	N	N
462397	30	<10	5	5	N	N	N	N	N
462398	70	30	10	5	N	15	N	N	N
462399	100	70	20	20	N	20	N	5	N
462400	100	10	15	10	N	10	N	N	N
462401	70	10	20	15	N	<10	N	N	N
462402	50	<10	15	10	N	<10	N	N	N
462403	70	10	30	15	N	10	N	N	N
462404	50	10	30	30	<200	15	N	<5	N
462405	50	10	30	15	N	10	N	N	N
462406	100	15	50	20	N	<10	N	N	N
462407	100	10	30	20	N	15	N	N	N
462409	30	15	20	7	N	N	N	N	N
462410	50	30	30	15	N	<10	N	N	N
462411	70	15	30	20	N	10	N	N	N
462412	100	15	50	30	N	15	N	5	N
462413	70	15	30	50	N	10	N	N	N
462414	200	20	50	70	N	20	<.5	N	N
462415	200	20	70	70	200	50	.5	5	<10
462416	200	20	70	70	200	50	<.5	<5	N
462417	70	10	30	15	N	15	N	N	N
462418	70	20	70	50	<200	20	<.5	<5	N
462419	100	20	70	50	<200	20	N	<5	N
462420	100	15	50	30	N	10	N	N	N
462454	100	50	30	10	N	15	N	N	N
462458	100	30	30	15	N	10	N	<5	N
462459	200	20	30	30	N	30	<.5	<5	N
462481	500	20	100	50	N	10	N	N	N
462482	150	20	70	30	N	20	N	N	N
462483	100	20	50	30	N	20	N	N	N
462484	100	10	30	30	N	15	N	N	N
462485	150	30	50	30	200	50	N	<5	<10
462486	20	N	<5	10	N	<10	N	N	N
462487	100	150	30	30	N	20	N	5	N
462501	70	15	20	30	<200	10	N	N	N
462502	100	10	20	20	N	15	N	N	N
462503	70	20	30	20	N	15	N	N	N
462504	70	10	30	20	N	15	N	N	N
462505	100	<10	20	30	N	15	N	N	N
462506	100	<10	20	5	N	15	N	N	N
462507	100	10	30	20	<200	15	.5	<5	N
462508	100	20	70	30	<200	20	<.5	N	N
462509	200	30	70	50	N	50	N	N	N
462510	100	20	50	20	N	15	N	N	N

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Mg-pct. s	Ca-pct. s	Fe-pct. s	Ti-pct. s	B-ppm s	Be-ppm s
462511	68 16 46	155 58 13	.3	.05	3	.3	30	1
462512	68 16 37	155 57 8	.2	.1	3	.5	30	1.5
462513	68 14 2	155 56 39	.5	.15	3	.5	100	2
462514	68 15 5	155 56 32	1	.2	5	.7	50	2
462515	68 11 48	155 56 29	.5	.2	10	.7	100	3
462516	68 11 54	155 57 42	.5	.2	7	.7	70	3
462517	68 8 52	155 58 38	.3	.15	5	.7	50	2
462518	68 9 23	155 59 15	.7	.2	5	1	100	3
462519	68 5 29	155 57 16	.5	.3	5	.7	30	3
462520	68 5 17	155 56 39	.7	.15	5	.7	100	3
462521	68 4 10	155 49 16	.5	.2	15	.5	50	3
462522	68 4 7	155 48 31	.5	.2	3	.5	70	2
462523	68 1 12	155 44 32	1	.2	5	1	150	3
462524	68 0 52	155 44 44	1.5	.3	5	1	100	3
462525	68 0 56	155 38 58	.7	.15	5	.7	50	2
462526	68 1 54	155 39 20	.7	.15	5	.7	100	2
462527	68 3 35	155 41 18	.3	.2	3	.7	100	2
462528	68 4 4	155 40 34	.2	.07	3	.5	50	1.5
462529	68 4 16	155 37 20	.7	.3	5	1	100	2
462530	68 4 43	155 37 20	.7	.3	3	.7	100	3
462531	68 5 31	155 37 11	.7	.2	5	.7	50	3
462532	68 6 11	155 36 58	.3	.15	5	.7	50	2
462533	68 6 24	155 43 37	.5	.2	5	.7	100	2
462534	68 6 28	155 44 30	.5	.3	3	.7	100	3
462535	68 8 12	155 43 46	.7	.3	7	.7	150	2
462536	68 8 10	155 42 45	.7	.3	7	1	100	3
462537	68 7 3	155 49 27	.5	.2	10	.7	70	3
462538	68 7 11	155 49 55	.7	.3	10	.7	100	3
462539	68 9 4	155 52 4	1	.5	10	1	50	1.5
462540	68 9 8	155 51 16	.5	.15	5	.7	70	3
462541	68 11 51	155 50 18	.5	.2	5	.7	100	2
462542	68 12 7	155 49 49	.7	.2	5	1	100	3
462543	68 11 40	155 43 37	.7	.2	5	.7	70	2
462544	68 11 26	155 42 35	1	.2	10	1	70	3
462545	68 10 7	155 39 2	1.5	.5	7	1	50	1.5
462546	68 10 13	155 37 53	.7	.5	10	1	50	2
462547	68 14 10	155 36 46	3	.3	7	.7	50	2
462548	68 14 52	155 36 53	1.5	.15	5	1	100	3
462549	68 15 43	155 39 42	1.5	.2	5	1	50	2
462550	68 15 58	155 39 27	.7	.2	5	.7	50	2
462551	68 17 27	155 40 18	.7	.2	7	1	100	2
462552	68 17 10	155 41 14	.7	.1	5	1	100	2
462553	68 14 36	155 44 57	.7	.07	3	.2	20	1
462554	68 15 2	155 45 11	.7	.07	3	.3	30	1
462555	68 17 1	155 47 43	.5	.1	2	.2	30	1
462556	68 16 52	155 49 8	.5	.15	3	.2	30	1.5
462557	68 17 56	155 47 4	.5	.15	3	.3	30	1.5
462558	68 18 21	155 46 50	.2	.1	3	.2	50	1.5
462559	68 20 11	155 47 2	.5	.05	5	.3	30	1.5
462560	68 20 17	155 46 18	.5	.05	3	.2	30	1.5
462561	68 20 20	155 42 36	.7	.15	3	.3	50	2
462562	68 20 38	155 42 43	.7	.1	3	.2	50	1.5
462563	68 22 28	155 42 35	1	.1	3	.2	30	1.5
462564	68 22 38	155 42 11	.7	.2	3	.2	30	1.5
462565	68 23 18	155 48 16	.2	.07	2	.2	30	1.5
462566	68 23 11	155 49 17	.3	.1	2	.15	20	1
462567	68 24 21	155 47 38	.7	.15	2	.2	50	1.5
462568	68 24 24	155 46 58	.3	.05	2	.15	30	1.5
462569	68 26 1	155 40 55	.5	.15	2	.2	20	1
462570	68 26 7	155 39 59	1	.3	3	.7	100	3

Table 6. Emission spectrographic analyses of HMH stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Sr-ppm s	Ba-ppm s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Nb-ppm s	Mn-ppm s	V-ppm s
462511	<100	200	<50	15	7	100	<20	700	70
462512	100	200	50	15	7	100	<20	500	70
462513	100	300	50	30	15	500	<20	1,000	100
462514	100	500	<50	30	15	500	<20	1,500	100
462515	200	700	50	50	15	500	<20	5,000	150
462516	200	700	50	50	15	200	<20	3,000	150
462517	200	500	50	30	10	200	<20	3,000	100
462518	200	700	50	50	20	300	<20	700	200
462519	100	500	<50	30	15	200	<20	700	150
462520	100	500	50	30	15	500	<20	700	150
462521	100	500	50	30	15	150	<20	1,000	100
462522	100	500	<50	20	10	150	<20	2,000	100
462523	150	700	50	50	20	300	<20	1,000	200
462524	150	700	50	50	20	700	<20	5,000	300
462525	100	500	50	30	15	200	<20	2,000	100
462526	100	500	<50	30	15	700	<20	1,500	150
462527	100	500	50	30	15	300	<20	1,500	150
462528	100	300	<50	20	7	300	<20	700	100
462529	200	700	70	50	15	700	N	3,000	200
462530	150	700	50	30	15	150	N	2,000	200
462531	100	300	<50	20	10	150	N	2,000	150
462532	150	300	<50	30	10	200	<20	1,000	150
462533	200	500	50	30	15	200	<20	3,000	150
462534	200	700	50	50	15	150	<20	2,000	150
462535	200	700	50	50	20	500	<20	3,000	200
462536	150	500	50	50	15	200	<20	2,000	200
462537	150	500	50	30	15	500	<20	2,000	150
462538	200	700	50	50	15	500	<20	3,000	200
462539	500	1,000	70	70	20	700	<20	5,000	300
462540	100	700	50	30	15	700	<20	2,000	200
462541	100	500	50	50	15	1,000	<20	3,000	200
462542	150	700	50	50	15	700	<20	2,000	300
462543	150	500	50	30	15	500	<20	5,000	200
462544	200	700	70	50	20	500	<20	3,000	500
462545	500	1,000	100	50	20	1,000	<20	3,000	700
462546	300	1,000	70	50	20	700	<20	3,000	500
462547	200	700	50	50	20	300	N	3,000	300
462548	100	700	50	30	20	200	<20	2,000	200
462549	100	700	50	50	20	200	<20	2,000	300
462550	100	300	50	30	15	500	<20	1,500	200
462551	200	700	70	100	20	700	<20	3,000	300
462552	200	500	70	70	15	500	<20	1,500	200
462553	<100	150	<50	15	10	100	N	700	70
462554	N	200	<50	20	10	100	<20	700	100
462555	100	300	<50	20	10	150	<20	700	70
462556	100	300	<50	20	10	150	<20	1,000	70
462557	100	300	<50	20	10	150	<20	700	70
462558	<100	300	<50	20	10	200	N	1,000	70
462559	100	300	50	50	15	150	N	300	100
462560	100	300	50	20	10	150	<20	300	100
462561	100	1,000	50	30	15	150	<20	1,000	100
462562	100	1,500	50	20	10	150	<20	1,500	100
462563	100	700	50	30	10	100	<20	1,500	100
462564	100	1,000	<50	20	10	150	<20	500	100
462565	100	200	50	20	7	150	<20	500	70
462566	150	300	50	20	7	100	N	700	50
462567	100	1,000	<50	20	10	150	<20	1,000	70
462568	<100	500	<50	20	10	70	N	200	70
462569	100	700	<50	20	10	100	<20	500	70
462570	150	1,500	50	20	10	150	N	500	150

Table 5. Emission spectrographic analyses of HUKE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Cr-ppm s	Co-ppm s	Ni-ppm s	Cu-ppm s	Zn-ppm s	Pb-ppm s	Ag-ppm s	Mo-ppm s	Sn-ppm s
462511	70	10	20	10	N	10	N	N	N
462512	100	10	20	15	<200	15	N	N	N
462513	300	20	50	20	N	20	N	N	N
462514	700	20	50	30	N	20	N	N	N
462515	300	20	70	50	N	30	N	N	N
462516	300	20	50	30	N	50	N	N	N
462517	500	15	30	30	N	15	N	N	N
462518	500	15	50	50	N	50	<.5	N	N
462519	200	15	30	30	N	30	N	N	N
462520	300	15	50	30	N	50	N	N	N
462521	200	15	50	70	N	50	N	N	N
462522	200	10	50	50	N	20	N	N	N
462523	700	20	70	50	N	100	N	N	N
462524	500	20	70	50	<200	70	N	N	N
462525	200	20	70	30	N	30	N	N	N
462526	300	15	50	30	N	20	N	N	N
462527	200	15	70	30	<200	70	N	N	N
462528	100	15	30	20	N	15	2	<5	N
462529	500	15	70	30	N	70	N	N	N
462530	300	20	50	50	N	100	N	N	N
462531	200	15	30	30	<200	50	N	N	N
462532	200	15	50	30	<200	30	N	N	N
462533	200	20	50	30	N	20	N	N	N
462534	300	20	70	50	N	50	N	N	<10
462535	300	20	70	70	N	50	N	N	N
462536	200	20	50	70	N	30	N	N	N
462537	200	20	70	50	N	20	N	N	N
462538	300	20	70	70	N	30	N	N	N
462539	1,000	20	70	70	N	50	N	N	N
462540	200	30	70	50	N	30	N	N	N
462541	500	20	70	50	N	30	N	N	N
462542	300	20	50	70	N	50	N	N	N
462543	300	20	50	70	N	30	N	N	N
462544	1,000	20	70	70	N	70	N	N	N
462545	1,500	20	50	70	N	50	N	N	N
462546	1,000	20	70	70	N	30	N	N	N
462547	200	30	50	70	N	70	N	N	N
462548	200	30	70	70	<200	50	N	N	N
462549	500	30	70	70	<200	70	N	N	N
462550	200	20	50	50	N	30	N	N	N
462551	500	20	70	70	N	70	N	N	N
462552	500	30	70	70	<200	200	<.5	N	N
462553	70	10	30	20	<200	30	N	N	N
462554	70	15	50	30	<200	30	N	N	N
462555	100	10	30	15	N	30	N	N	N
462556	100	15	30	20	N	20	<.5	N	N
462557	200	15	50	20	300	70	<.5	N	N
462558	100	15	50	30	300	70	N	N	N
462559	100	10	30	15	300	70	<.5	N	N
462560	100	10	30	20	700	100	.5	N	N
462561	100	15	50	50	<200	50	<.5	N	N
462562	100	20	70	50	200	50	.5	<5	N
462563	70	15	30	30	<200	50	N	N	N
462564	100	15	30	30	200	50	<.5	N	N
462565	70	10	20	10	N	10	N	N	N
462566	70	10	20	15	N	30	N	N	N
462567	100	15	30	15	N	50	<.5	N	N
462568	50	<10	15	15	N	30	<.5	N	N
462569	100	10	20	15	<200	30	<.5	N	N
462570	300	30	50	30	N	20	.5	N	N

Table 6. Emission spectrographic analyses of HMX stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Mg-pct. s	Ca-pct. s	Fe-pct. s	Ti-pct. s	B-ppm s	Be-ppm s
462571	68 28 1	155 49 52	.3	.1	2	.2	20	1.5
462572	68 28 11	155 50 21	.3	.1	3	.2	50	1.5
462573	68 28 10	155 41 53	2	1	5	.3	150	3
462574	68 28 27	155 41 16	2	.2	5	.5	100	3
462575	68 33 17	155 31 50	.7	.15	5	.3	30	<1
462576	68 33 26	155 31 14	.7	.1	3	.3	20	1
462579	68 35 18	155 27 6	.2	.07	3	.15	50	1
462581	68 34 35	155 23 24	3	1	7	.7	70	2
462582	68 35 6	155 21 51	2	.3	5	.3	20	1
462583	68 35 44	155 15 48	.1	.1	1	.07	15	1
462584	68 36 9	155 13 15	.2	.1	2	.15	20	1
462585	68 36 5	155 6 12	.7	.15	3	.7	50	1.5
462586	68 38 37	155 50 49	.1	.1	3	.07	<10	1
462587	68 38 55	155 51 25	.7	.5	5	.5	30	1
462588	68 38 58	155 55 4	.7	.1	3	.3	30	1.5
462589	68 31 12	155 58 23	.5	.15	3	.5	50	1
462590	68 32 0	155 53 16	.2	.2	2	.1	20	1
462591	68 32 22	155 53 7	1.5	.5	10	.7	100	2
462592	68 32 31	155 58 28	1	.2	3	.2	50	1
462593	68 32 39	155 51 0	1	.2	3	.2	30	1
462596	68 35 4	155 53 37	1	.2	3	.5	20	1
462597	68 35 22	155 54 30	1.5	.2	5	.5	30	1
462598	68 37 51	155 55 52	.5	.15	3	.5	30	1.5
462599	68 38 9	155 55 40	.3	.15	3	.5	30	1.5
462600	68 37 53	155 49 37	1	.5	5	.7	50	1.5
462620	68 39 58	154 58 48	.3	.1	3	.3	30	1.5
462621	68 40 11	154 51 28	.5	.5	20	.15	10	2
462622	68 40 7	154 45 18	1	.3	5	.7	20	<1
462623	68 39 47	154 44 54	.7	.1	5	.5	50	1
462624	68 39 52	154 37 59	.3	.5	2	.15	20	1.5
462626	68 40 31	154 32 38	1	.2	5	.5	50	1.5
462628	68 40 9	154 32 26	1	.15	5	.5	50	1.5
462627	68 40 26	154 24 37	.5	.1	5	.5	30	1
462628	68 40 4	154 24 25	.5	.15	5	.5	30	2
462629	68 40 22	154 19 57	.5	.1	3	.3	20	<1
462630	68 40 33	154 18 49	.7	.15	3	.5	20	1
462631	68 40 32	154 12 42	.7	.15	3	.5	20	1
462632	68 40 6	154 13 9	.7	.5	3	.5	50	1
462633	68 40 35	154 5 40	1	.5	5	.5	50	1
462634	68 40 18	154 5 11	2	1	3	.7	20	<1
462635	68 40 10	153 59 40	.7	.2	5	.7	30	1
462636	68 40 13	153 58 49	.5	.15	3	.5	20	1
462638	68 40 35	153 46 12	.5	1	20	.15	20	2
462640	68 40 36	153 37 28	.3	<.05	3	.15	10	N
462641	68 39 53	153 29 58	2	.5	5	.7	20	<1
462642	68 39 29	153 38 17	3	1	5	.7	30	1
462643	68 40 11	153 22 57	1	.3	3	.5	10	<1
462644	68 40 25	153 10 47	1.5	.3	5	.7	20	<1
462645	68 40 47	153 9 41	.7	.2	5	.5	30	1
462646	68 43 30	153 3 38	.7	.1	3	.5	20	<1
462647	68 43 22	153 5 14	2	.3	3	.5	20	<1
462648	68 43 32	153 13 19	2	.5	7	.7	100	3
462649	68 43 11	153 22 46	.7	.2	3	.5	30	1
462650	68 42 54	153 27 32	.1	.1	5	.07	<10	1
462651	68 43 50	153 33 21	.2	.07	2	.5	15	<1
462655	68 43 9	153 47 57	.5	.15	3	.7	20	1.5
462658	68 43 20	153 58 21	.5	.15	3	.7	20	1.5
462659	68 42 55	154 2 7	1	.2	3	.7	30	1.5
462662	68 43 50	154 13 32	1	.5	3	.5	30	1
462663	68 43 49	154 16 48	1.5	.5	3	.5	30	1

Table 6. Emission spectrographic analyses of HMXX stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Sr-ppm s	Ba-ppm s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Nb-ppm s	Mn-ppm s	V-ppm s
462571	<100	300	<50	20	7	100	N	500	70
462572	100	300	<50	20	10	100	<20	200	70
462573	300	>5,000	50	30	15	150	N	700	200
462574	100	1,500	<50	20	10	150	N	1,000	150
462575	N	500	<50	15	7	100	<20	1,000	150
462576	N	300	50	30	10	100	<20	700	100
462579	<100	300	<50	15	10	70	N	100	70
462581	150	700	<50	30	15	150	N	1,000	200
462582	<100	500	N	20	10	100	N	2,000	100
462583	N	200	N	10	5	50	N	100	50
462584	<100	300	<50	20	7	100	N	100	70
462585	100	500	<50	20	10	150	N	200	200
462586	N	300	N	10	5	30	N	150	50
462587	100	1,500	<50	30	15	150	N	700	150
462588	<100	500	<50	30	15	100	<20	300	100
462589	<100	700	<50	20	10	150	<20	500	100
462590	<100	500	N	10	7	50	N	2,000	50
462591	150	1,000	50	20	15	150	<20	300	200
462592	<100	1,500	<50	20	10	100	N	700	100
462593	100	2,000	<50	20	10	150	N	1,000	100
462596	<100	700	N	20	10	150	N	700	100
462597	<100	1,000	N	20	15	150	N	1,000	150
462598	100	700	<50	20	7	150	N	700	70
462599	100	700	<50	20	7	200	N	500	70
462600	100	700	N	20	7	150	N	1,000	100
462620	<100	500	N	20	7	150	N	2,000	70
462621	<100	700	N	30	10	70	N	3,000	100
462622	100	700	N	20	10	200	<20	1,000	150
462623	<100	500	50	30	15	150	N	300	100
462624	N	300	N	15	7	50	N	3,000	70
462625	100	700	50	30	15	100	N	5,000	150
462626	<100	700	<50	20	15	150	<20	700	200
462627	<100	700	50	30	10	70	N	5,000	100
462628	100	700	<50	30	10	150	N	3,000	100
462629	N	500	N	15	10	100	N	700	100
462630	100	700	<50	20	10	150	N	1,000	100
462631	100	700	<50	20	10	150	N	1,000	100
462632	100	500	<50	20	15	100	N	700	150
462633	100	700	<50	20	15	100	N	1,000	150
462634	100	700	<50	20	15	100	N	1,000	150
462635	<100	500	<50	30	15	300	N	1,000	150
462636	100	500	50	20	10	200	N	5,000	100
462638	100	700	N	20	10	150	N	>5,000	70
462640	N	150	N	20	5	100	N	100	50
462641	<100	500	<50	20	15	150	N	700	200
462642	100	1,000	<50	20	15	100	N	5,000	200
462643	<100	500	N	20	10	150	N	1,500	100
462644	<100	700	<50	20	15	100	<20	1,000	150
462645	<100	700	<50	20	15	100	N	1,000	150
462646	<100	300	<50	15	7	150	N	300	70
462647	100	500	50	50	10	700	N	700	100
462648	100	500	<50	30	15	500	N	2,000	200
462649	<100	300	<50	20	10	150	N	700	100
462650	N	200	<50	15	<5	20	N	1,000	20
462651	<100	200	<50	20	7	200	N	500	70
462655	150	500	50	30	10	300	<20	500	150
462658	100	500	<50	30	10	500	<20	300	150
462659	150	500	N	30	10	200	<20	1,000	150
462662	150	500	N	20	10	200	<20	1,500	150
462663	150	500	N	20	10	150	<20	1,500	100

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Cr-ppm s	Co-ppm s	Ni-ppm s	Cu-ppm s	Zn-ppm s	Pb-ppm s	Ag-ppm s	Mo-ppm s	Sn-ppm s
462571	70	10	30	10	N	10	N	N	N
462572	100	10	30	20	<200	50	<.5	N	N
462573	150	10	70	70	200	30	.5	10	N
462574	200	15	50	30	N	30	<.5	N	N
462575	50	10	30	50	N	15	N	N	N
462576	100	20	50	30	N	20	N	<5	30
462579	70	<10	20	7	N	<10	N	N	N
462581	200	30	50	70	<200	30	<.5	N	N
462582	70	30	30	20	N	30	N	N	N
462583	30	<10	5	7	N	<10	N	N	N
462584	50	<10	5	15	N	20	N	N	N
462585	200	<10	20	30	N	50	N	N	N
462586	50	N	<5	5	N	<10	N	N	N
462587	150	20	50	50	<200	15	<.5	<5	N
462588	100	15	50	20	N	50	N	N	N
462589	100	10	30	20	<200	20	<.5	N	N
462590	50	10	30	20	<200	<10	N	N	N
462591	150	30	50	70	N	50	N	<5	N
462592	70	15	50	20	N	50	N	N	N
462593	150	20	50	30	N	50	N	N	N
462596	70	20	50	30	<200	20	N	N	N
462597	100	20	70	50	N	30	N	N	N
462598	100	15	20	30	N	30	N	N	N
462599	100	10	20	15	N	20	N	N	N
462600	500	15	30	20	<200	20	<.5	N	N
462620	100	15	20	10	N	10	N	N	N
462621	150	10	60	20	N	15	N	7	N
462622	150	15	30	15	N	20	N	N	N
462623	100	20	30	20	N	20	N	N	N
462624	50	<10	5	15	N	15	N	N	N
462625	100	20	50	50	N	50	N	N	N
462626	100	20	70	50	N	50	N	N	N
462627	100	30	50	50	N	30	N	N	N
462628	100	20	50	30	N	30	N	N	N
462629	50	15	30	20	N	20	N	N	N
462630	100	15	20	20	<200	70	N	N	N
462631	150	20	50	30	<200	20	N	N	N
462632	150	20	50	30	N	30	N	N	N
462633	150	20	70	50	N	30	N	N	N
462634	100	20	70	50	N	20	N	N	N
462635	100	20	50	50	N	20	N	N	N
462636	100	15	30	15	N	30	N	N	N
462638	150	50	70	50	<200	20	N	N	N
462640	50	<10	10	<5	N	15	N	N	N
462641	100	30	70	50	N	10	N	N	N
462642	100	30	70	70	N	30	N	N	N
462643	100	30	30	20	N	50	N	N	N
462644	100	30	70	30	<200	50	N	N	N
462645	100	20	70	50	N	50	N	N	N
462646	200	20	100	15	N	15	N	N	N
462647	2,000	20	100	20	N	20	N	N	N
462648	300	20	70	50	<200	50	<.5	N	<10
462649	150	15	50	30	N	30	N	N	N
462650	30	20	10	10	N	15	N	N	N
462651	70	15	15	5	N	10	N	N	N
462655	200	15	30	15	N	20	N	N	N
462658	200	10	20	15	N	20	N	<5	N
462659	150	15	30	20	N	20	N	N	N
462662	200	10	30	20	N	20	N	N	N
462663	200	10	30	15	N	20	N	N	N

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Latitude	Longitude	Mg-pct. s	Ca-pct. s	Fe-pct. s	Ti-pct. s	B-ppm s	Be-ppm s
462665	68 43 28	154 25 57	1	.2	3	.5	50	1.5
462669	68 44 56	154 38 57	2	.7	5	.5	50	1.5
462670	68 44 21	154 38 12	2	1	7	.5	50	1.5
462672	68 44 57	154 46 59	2	.5	5	.7	20	1
462673	68 44 43	154 53 8	1.5	.3	5	.7	50	1.5
462674	68 44 21	154 52 32	1.5	.3	5	.7	50	2
462061	68 40 45	155 37 2	.7	.5	3	.7	70	3
462062	68 42 42	155 39 31	.3	.2	3	.3	50	2
462235	68 35 17	154 57 28	.5	.15	20	.5	20	2
462236	68 35 36	155 0 9	.3	.2	5	.2	10	2
462237	68 37 23	154 58 52	.5	.2	5	.3	30	3
462238	68 38 21	155 0 7	.1	.15	3	.07	10	1.5
462247	68 33 28	155 16 29	3	1	10	.7	50	3
462248	68 33 5	155 16 39	1.5	.7	3	.7	50	3
462296	68 23 54	153 42 16	.7	.3	3	1	30	2
462370	68 33 48	155 42 57	.5	.2	3	.2	30	1.5
462385	68 40 25	155 5 28	.02	.05	2	.03	<10	2
462386	68 40 13	155 4 16	.5	.15	3	.3	50	1.5
462393	68 33 29	154 51 43	.05	.05	1.5	.02	<10	<1
462394	68 32 47	154 53 5	.2	.1	2	.15	30	1
462400	68 24 59	154 2 22	.5	.1	7	.3	20	1.5
462455	68 40 8	155 49 4	.2	.1	3	.15	20	1.5
462456	68 40 2	155 53 4	.1	.5	.3	.05	15	1
462457	68 42 18	155 53 50	1.5	1	7	.7	70	2
462577	68 35 34	155 33 39	.05	.07	1	.05	10	1
462578	68 35 56	155 34 7	.3	.1	3	.2	50	2
462580	68 35 39	155 26 45	.5	.15	3	.5	30	1
462584	68 35 0	155 48 7	.2	.3	2	.1	10	1.5
462585	68 35 32	155 49 24	.15	.2	2	.1	10	1
462637	68 40 57	153 45 58	.5	.2	2	.5	30	1
462638	68 40 26	153 42 19	.7	.5	5	.5	50	3
462654	68 43 5	153 44 7	.7	.3	5	.5	30	2
462667	68 43 27	154 30 41	.2	.15	15	.15	10	3
462671	68 43 38	154 46 48	.7	.2	3	.5	50	2
462675	68 43 42	155 1 28	.5	.2	3	.5	30	1.5
462678	68 42 47	155 8 3	2	.7	15	.7	50	2
462679	68 44 8	155 15 4	.1	.15	10	.1	10	1

Table 5. Emission spectrographic analyses of HUKK stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Sr-ppm s	Ba-ppm s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Nb-ppm s	Mn-ppm s	V-ppm s
462666	150	1,000	N	20	10	150	<20	200	150
462669	150	1,000	<50	20	15	150	<20	2,000	150
462670	150	1,000	<50	20	15	150	N	3,000	150
462672	200	1,000	50	30	10	500	<20	5,000	200
462673	150	700	50	30	15	200	<20	3,000	200
462674	150	700	50	30	15	200	<20	1,000	200
462061	100	700	50	30	15	200	<20	500	150
462062	<100	500	<50	20	10	100	N	300	100
462235	100	700	N	30	10	150	<20	500	150
462236	100	700	N	20	7	150	N	700	100
462237	100	700	50	20	10	100	<20	500	150
462238	<100	300	N	15	5	50	N	500	50
462247	100	1,000	<50	30	15	150	<20	1,000	300
462248	150	700	50	20	15	100	N	700	200
462296	100	1,000	<50	20	10	500	N	200	150
462370	<100	700	50	15	10	100	<20	500	100
462385	N	150	N	15	<5	30	N	500	15
462386	100	500	<50	20	10	70	N	700	70
462393	N	300	N	10	<5	10	N	15	15
462394	100	700	N	20	7	150	N	70	70
462408	<100	300	N	15	7	150	N	700	100
462455	N	500	N	15	5	70	N	700	70
462456	<100	200	N	10	5	15	N	300	20
462457	150	1,000	50	30	15	200	<20	700	200
462577	N	300	<50	15	5	50	N	100	50
462578	<100	500	<50	20	10	100	N	200	100
462580	<100	300	50	20	10	200	<20	700	100
462594	<100	500	<50	20	7	50	N	300	100
462595	<100	300	<50	10	5	30	N	300	50
462637	<100	300	<50	30	10	150	N	500	100
462639	100	500	<50	20	10	150	N	2,000	150
462654	150	300	50	30	15	150	<20	700	150
462667	<100	500	<50	50	10	70	N	300	100
462671	100	700	N	30	10	500	<20	500	150
462675	100	700	<50	20	10	200	<20	300	150
462676	100	700	50	30	20	150	<20	>5,000	300
462679	<100	300	N	15	5	70	N	500	70

Table 6. Emission spectrographic analyses of NURE stream sediments from the Killik River quadrangle, Alaska--continued

Sample	Cr-ppm s	Co-ppm s	Ni-ppm s	Cu-ppm s	Zn-ppm s	Pb-ppm s	Ag-ppm s	Mo-ppm s	Sn-ppm s
462666	150	10	50	50	N	20	<.5	N	N
462669	190	30	70	70	<200	50	N	N	N
462670	150	20	50	70	<200	20	N	N	N
462672	300	30	50	20	N	30	N	N	N
462673	200	20	50	30	N	30	N	N	N
462674	700	20	70	50	N	30	N	N	N
462681	200	70	50	30	N	30	<.5	N	N
462682	100	<10	30	15	N	15	N	N	N
462235	200	<10	30	15	N	15	N	<5	N
462236	150	10	20	10	N	15	N	N	N
462237	200	<10	20	20	N	15	N	<5	N
462238	50	10	20	10	N	10	N	N	N
462247	200	30	70	70	N	30	<.5	N	N
462248	300	10	20	30	N	20	N	<5	N
462296	200	10	20	20	N	15	<.5	N	N
462370	100	10	50	20	N	15	N	N	N
462385	<10	<10	5	5	N	N	N	N	N
462386	70	15	20	20	<200	15	N	N	N
462393	15	N	<5	5	N	<10	N	N	N
462394	70	<10	15	7	N	10	N	<5	N
462400	70	30	50	50	N	15	N	N	N
462455	70	10	50	15	N	10	N	N	N
462456	30	N	5	5	N	10	N	N	N
462457	300	15	30	30	N	30	<.5	N	N
462577	30	N	<5	5	N	10	N	N	N
462578	100	<10	10	15	N	20	N	N	N
462580	100	20	30	50	<200	70	N	N	N
462584	70	<10	15	15	N	15	N	N	N
462585	50	<10	15	10	N	10	N	N	N
462637	70	10	20	50	N	30	N	N	N
462650	200	10	30	70	N	20	N	N	N
462654	200	20	70	30	N	20	N	<5	N
462667	100	50	30	50	N	15	N	10	N
462671	150	10	30	20	N	20	N	N	N
462675	150	<10	20	20	N	20	N	N	N
462678	100	20	70	70	N	20	N	N	N
462679	50	<10	20	7	N	10	N	N	N