UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Analytical data and sample locality map for aqua-regia leachates of stream sediments analyzed by ICP from the Chignik and Sutwik Island quadrangles, Alaska

By

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

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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. Results from the Alaska Mineral Resource Assessment Program (AMRAP) must be made available to the public and be submitted to the President and Congress. This report is one in a series of publications that presents geochemical and mineralogical data determined during the mineral assessment study of the Chignik and Sutwik Island quadrangles, Alaska. The analytical results of aqua-regia leachate studies for the stream sediments collected during the study are presented in this report.

INTRODUCTION

A reconnaissance exploration geochemical study was undertaken by the U.S. Geological Survey during the 1977 and 1978 field seasons in the Chignik and Sutwik Island quadrangles, Alaska Peninsula. The study area, bounded by 56°N and 57°N latitude and by 156°W and 160° 30′W longitude, is indicated on figure 1. The reports for this folio are summarized by Detterman and others (1981a). Few roads exist in the study area and access is limited to travel by air, boat, or foot. There is scheduled public air transportation to Port Heiden and all of the native villages have landing strips for small airplanes.

The topographic relief in the study area is dominated by large stratovolcanoes. Mount Veniaminof in the Sutwik Island quadrangle, exceeds 2,500 m. Aniakchak Volcano, the center of which contains a 3-km-long lake in its central crater, contains cinder cones within the crater that rise to an altitude of over 580 m. The relief is rugged and mountainous terrain with youthful stream drainages. West of the crest of the Aleutian Range, the study area is underlain by extensive ground moraines. Streams in this area are slow moving and mature. Relief in this area is about 30 m. The climate is very wet; rainfall exceeds 200 in. per year.

GENERAL GEOLOGY

The Alaska Peninsula marks the transition zone between the volcanic island arc of the Aleutians and the continental magmatic arc of southern Alaska. The geologic discussion is summarized from the work of Detterman and others (1981b). At least two-thirds of the study area is covered either by Quaternary alluvial and glacial deposits or by Quaternary cones, flows and large volcanic centers. The locus of volcanism along the Aleutian arc has remained in its present position throughout Tertiary time as evidenced by extensive volcanic rocks of the Meshik Formation. Sedimentary rocks of Jurassic, Cretaceous, and Early Tertiary age underlie the Aleutian Range. Numerous Tertiary batholiths and stocks, ranging in age from Paleocene to Miocene or Pliocene, intrude the sedimentary and volcanic rocks of the study area. Centers of mineralization are frequently associated with some of these intrusive events (Cox and others, 1981); these centers of mineralization are well defined by the geochemistry. The Bristol Bay side of the study area, which is a part of the Nushagak-Bristol Bay Lowland (Wahraftig, 1965), is composed dominantly of unconsolidated Quaternary alluvium and glacial deposits.

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 (scale 1:63,360). The area of the drainage basins ranged from 5 km^2 to 16 km^2. Sampling density was approximately 1 sample site per 10 km^2. In some cases, swampy areas could not be sampled. Both a heavy-mineral panned concentrate and a stream-sediment sample were collected from as many sites as possible. However, the results presented in this paper are only those of the stream sediments. The localities of the 637 stream-sediment sample are shown on plate 1. Samples from the Chignik quadrangle (west of 158°W) are indicated by the suffix CG and samples from the Sutwik Island quadrangle (east of 158°W) are indicated by the suffix SW in the data tables.

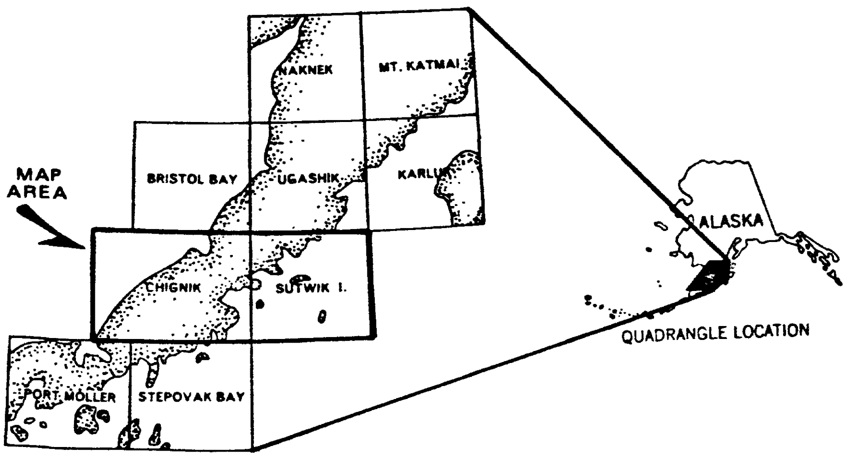

Figure 1. Index map cf the Chignik and Sutwik Island quadrangles, Alaska.

Sample Collection

The stream sediment samples collected in the Chignik and Sutwik Island quadrangles (Detra and others, 1978) were used in this study. 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 oven-dried in the field and then shipped to the laboratory for analysis.

Sample Preparation

In the laboratory, the stream sediment samples were sieved using an 80-mesh (0.17 mm) stainless steel sieve. The portion of the sediment that passed through the sieve was saved. This minus-80-mesh sediment was then ground to approximately minus-150-mesh and used for chemical analysis.

Sample Analysis

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). 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. All measurements were made on a model 34000 ICP.

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 verified. 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. In table 1, we report the minimum determinant 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 table 2 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 table 2. Values of N that are higher than the recommended N are indicated in table 2 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 630 samples reported in table 2 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 are greater than 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).

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).

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Table 1. **Minimum determinate values and recommended values of N for aqua-regia leachate data from minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska**

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

Element	Minimum Determinate Value (ppm)	Recommended value of N (no. of N values)		No. of samples having a higher value for N
Na	68	--		--
K	31	--		--
Mg	690	--		--
Ca	670	--		--
Fe	2900	--		--
Al	1100	--		--
Ti	2.4	2.0	(95)	--
P	22	4.0	(97)	4
B	2.9	.40	(82)	--
Li	0.27	.20	(47)	--
Be	.02	.015	(287)	--
Sr	7.4	.20	(95)	--
Ba	1.6	--		--
La	.39	.90	(70)	--
Ce	1.50	.90	(102)	--
Y	.28	.04	(100)	--
Zr	.30	.90	(124)	--
Mn	52.0	--		--
V	7.6	.75	(95)	--
Cr	1.2	1.2	(41)	--
Co	1.5	1.5	(41)	--
Ni	1.6	1.0	(95)	--
Cu	1.7	.20	(41)	--
Zn	6.6	.30	(100)	--
Cd	2.4	.5	(605)	5
Pb	2.5	3.5	(480)	--
Ag	.30	.30	(617)	--
Mo	.36	.35	(536)	--
W	12	5.0	(629)	--
As	1.5	2.0	(292)	--
Bi	4.1	4.0	(628)	--

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska
[N, not detected; <, detected but below the limit of determination shown.]

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
CG001	56 54 5	158 0 52	550	480	4,000	8,400	19,000	12,000	580	320	N
CG002	56 43 1	158 1 37	610	270	5,500	5,500	27,000	10,000	690	150	4.5
CG003	56 41 33	158 1 56	730	290	4,700	4,700	24,000	9,300	810	240	4.9
CG004	56 41 45	158 4 21	620	310	4,600	4,200	24,000	10,000	1,400	320	9.2
CG005	56 40 57	158 6 50	440	200	4,900	4,100	36,000	6,700	1,400	160	4.3
CG006	56 40 7	158 7 35	330	170	5,200	3,900	46,000	7,700	2,400	<110	3.4
CG007	56 38 39	158 8 8	240	310	3,000	4,400	12,000	7,400	21	190	3.8
CG008	56 40 3	158 11 15	430	470	3,000	3,900	20,000	10,000	250	190	2.9
CG009	56 39 39	158 13 29	320	310	3,700	4,800	15,000	9,100	42	240	4.6
CG010	56 37 47	158 11 28	210	410	3,900	3,900	19,000	10,000	12	240	5.3
CG011	56 37 24	158 10 29	220	250	4,400	4,400	15,000	10,000	68	260	5
CG012	56 33 17	158 8 57	330	160	4,000	3,600	26,000	8,700	1,600	130	5.1
CG013	56 34 55	158 11 49	140	310	4,500	2,700	17,000	10,000	98	350	5
CG014	56 36 5	158 11 50	120	280	3,700	10,000	9,900	14,000	310	190	38
CG015	56 36 25	158 13 49	240	460	2,800	4,200	13,000	9,100	17	200	4.3
CG016	56 35 45	158 16 48	130	310	3,800	6,100	12,000	12,000	280	180	9.7
CG017	56 36 18	158 17 10	160	310	2,600	5,500	9,600	9,500	150	230	14
CG018	56 37 19	158 18 51	140	340	3,600	2,900	13,000	7,300	35	220	5.9
CG019	56 37 47	158 21 6	490	160	4,100	4,400	13,000	7,400	220	120	4.8
CG020	56 36 34	158 23 8	92	310	2,700	2,200	11,000	5,500	16	150	7.2
CG021	56 34 50	158 21 11	160	420	3,200	9,600	9,600	14,000	380	290	14
CG022	56 34 35	158 19 30	110	390	4,400	5,600	14,000	12,000	180	270	21
CG023	56 34 23	158 19 23	270	610	5,400	14,000	15,000	21,000	350	270	15
CG024	56 36 42	158 2 9	700	200	4,100	5,400	19,000	9,000	720	190	7.6
CG025	56 38 30	158 1 21	360	140	2,900	2,700	12,000	4,800	570	170	6.5
CG027	56 38 18	158 1 44	380	210	3,700	3,600	15,000	6,300	320	140	4.8
CG028	56 34 29	158 5 26	260	130	3,300	2,900	16,000	5,900	620	200	4.7
CG029	56 35 35	158 3 53	690	240	5,600	8,400	26,000	13,000	750	240	4.6
CG030	56 32 38	158 2 53	460	190	3,100	3,900	25,000	4,700	1,000	420	7.7
CG031	56 32 23	158 4 26	410	150	3,700	3,300	17,000	5,700	720	260	5.8
CG032	56 1 55	158 40 58	570	530	3,800	3,600	20,000	14,000	1,100	310	14
CG033	56 32 58	158 1 31	630	270	2,800	5,600	14,000	5,900	120	450	5.2
CG034	56 3 17	158 40 52	280	130	2,900	2,100	16,000	6,600	720	190	8.8
CG035	56 30 47	158 1 27	430	190	4,200	3,800	23,000	6,300	680	260	6.9
CG036	56 3 32	158 43 52	250	1,000	2,600	1,900	23,000	4,500	470	240	13
CG037	56 3 40	158 43 45	290	240	4,700	2,300	40,000	8,100	2,400	280	12
CG038	56 4 31	158 40 54	550	390	4,100	4,100	24,000	13,000	740	310	6
CG039	56 6 24	158 41 47	240	330	4,600	3,600	29,000	12,000	320	480	7.5
CG040	56 6 59	158 41 15	420	370	5,500	3,200	33,000	10,000	820	330	6.7
CG041	56 9 5	158 45 13	340	810	3,700	2,000	28,000	12,000	800	380	7.1
CG042	56 9 5	158 37 41	150	340	3,500	2,500	19,000	7,600	14	320	5.4
CG043	56 9 19	158 37 52	270	340	3,600	2,800	23,000	9,400	320	330	7.1
CG044	56 9 27	158 38 3	140	300	3,100	2,300	15,000	5,400	22	290	5.2
CG045	56 11 20	158 36 26	370	360	4,200	4,800	20,000	13,000	88	250	4.2
CG046	56 11 40	158 37 3	370	540	5,000	5,000	23,000	13,000	59	310	3.8
CG047	56 12 11	158 27 18	880	610	12,000	5,200	31,000	21,000	370	390	6.9
CG048	56 11 13	158 26 47	570	650	4,100	4,000	23,000	14,000	900	310	6.7
CG049	56 10 59	158 27 5	690	620	4,300	3,900	21,000	15,000	950	240	5.2
CG050	56 9 32	158 29 6	340	360	5,500	3,700	20,000	13,000	510	340	7
CG051	56 8 59	158 28 54	360	490	3,200	2,600	14,000	12,000	700	270	9.5
CG052	56 8 5	158 32 34	620	530	4,200	3,800	13,000	12,000	230	270	8.6
CG053	56 6 45	158 32 29	350	810	3,600	2,300	16,000	10,000	570	270	6.8
CG054	56 6 11	158 34 55	350	200	3,100	3,000	14,000	10,000	540	280	24
CG055	56 4 46	158 32 38	340	920	4,800	3,700	20,000	14,000	1,000	360	41
CG056	56 4 30	158 33 40	390	310	2,800	2,800	15,000	12,000	810	350	11
CG057	56 3 48	158 35 8	540	300	5,000	3,900	36,000	15,000	1,500	340	8.8
CG058	56 8 37	158 6 42	420	250	4,000	3,500	23,000	15,000	460	230	3.6
CG059	56 11 36	158 11 23	440	460	4,100	3,700	42,000	13,000	1,300	270	6
CG060	56 9 20	158 20 56	590	370	3,500	3,400	23,000	14,000	1,000	270	6.8
CG061	56 9 48	158 24 11	430	380	2,800	2,600	16,000	8,900	1,100	240	8.3

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
CG001	4.4	.38	44	29	3.2	N	3.4	2	750	55	9.2
CG002	5.2	N	52	46	3.1	7.2	4.5	5.8	410	94	14
CG003	3.1	N	42	41	3.7	8.8	4.3	5.8	380	91	12
CG004	2.6	4.9	36	45	4	9.8	5.4	7.3	370	80	8.9
CG005	1.8	N	35	37	3.7	8.5	4	7.9	400	170	27
CG006	2.7	N	36	31	3.2	7.8	4.1	5.8	500	200	22
CG007	2.9	N	37	140	3.9	10	3.9	.68	260	23	5.5
CG008	2.7	N	42	110	3.6	8.7	3.6	2.3	300	56	9.1
CG009	3.2	N	42	130	4.2	9.8	4.7	2.8	310	37	7.4
CG010	9.1	N	65	180	3.4	7.9	4.3	.43	290	28	11
CG011	7	N	53	87	3.3	7.3	3.5	1	290	33	9.7
CG012	2.3	N	32	25	2	4.4	2.6	7.4	310	130	11
CG013	12	N	31	69	3.3	8.1	4.4	.84	330	32	14
CG014	11	.23	66	16	1.5	1.8	2.5	N	220	24	8.7
CG015	3.5	.18	55	150	3.4	7.1	3.3	.84	260	25	6.8
CG016	10	.34	46	19	2	3.5	2.2	.82	210	28	11
CG017	7.6	N	57	23	3.1	4.8	1.7	.31	140	22	7.5
CG018	5	2.9	40	94	4.5	10	3.8	.94	270	29	11
CG019	1.9	N	40	32	1.8	3.1	2.5	2.8	230	53	7.4
CG020	4.4	1.9	24	63	3.6	8.1	3	.78	180	20	10
CG021	9.2	.38	69	16	2.5	4	2.1	1.2	200	23	7.4
CG022	12	N	37	23	2.7	5.5	3.1	1.1	240	27	14
CG023	12	.26	75	26	2.6	4.9	3.4	.6	320	33	14
CG024	2.4	.78	44	26	2.8	6.1	3.4	5.1	290	72	13
CG025	1.2	N	22	21	2.1	4.4	2.4	3.8	220	57	8.3
CG027	2.8	N	34	34	2.4	5.2	3.1	3.2	300	55	11
CG028	2	N	29	22	2.3	4.9	2.5	5.5	240	70	8.8
CG029	4.6	N	67	41	3.5	7.5	3.7	6.3	350	88	15
CG030	1.2	1.5	38	34	4.9	10	2.7	7.9	280	99	12
CG031	1.4	N	30	24	3	6.9	2.3	4.2	260	80	14
CG032	4.3	.31	23	31	2.9	7.6	N	N	300	55	7.2
CG033	1.1	N	54	54	6.1	13	3.5	5.3	270	43	6.9
CG034	6	.47	18	15	1.5	4.5	N	N	270	49	8.6
CG035	1.8	N	34	35	3.6	8	3	3.2	330	91	15
CG036	3.4	N	9.6	37	2	5.7	N	N	200	69	20
CG037	3.8	3.2	15	26	2.7	7.2	N	N	440	130	15
CG038	12	.54	37	46	3.7	8.8	N	N	380	54	12
CG039	16	3.5	29	68	3.8	9.6	N	N	600	35	12
CG040	8.9	.08	21	28	2.5	6.2	N	N	700	63	13
CG041	3.9	N	16	43	3.8	9.1	N	N	540	40	6.9
CG042	7.7	.89	24	68	2.7	6.7	N	N	310	20	8.8
CG043	6.7	.26	25	70	3.8	9.6	N	N	330	38	9.1
CG044	6	N	21	82	2.7	6.8	N	N	280	23	8.4
CG045	6.2	N	50	110	3.8	9.3	N	N	300	36	6.8
CG046	4	N	48	92	4.4	11	N	N	360	45	11
CG047	9.4	.97	39	39	2.4	5.5	N	N	420	52	34
CG048	7.2	N	36	51	2.2	5.5	N	N	300	57	9.4
CG049	10	N	37	32	2.2	5	N	N	290	54	11
CG050	11	N	49	29	2.5	6.6	N	N	430	36	15
CG051	5.8	4.5	27	35	2.2	5.6	N	N	260	34	6.2
CG052	13	2.6	37	31	1.5	4.3	N	N	260	22	9.2
CG053	7.6	.15	17	33	1.6	4.2	N	N	220	37	9
CG054	9.2	.77	20	15	2	5.3	N	N	260	32	7.2
CG055	8	1.5	23	43	2.9	7	N	N	330	51	9.1
CG056	4.4	.55	21	29	2.5	5.6	N	N	300	43	6
CG057	9	.26	39	33	3.6	9.2	N	N	450	87	12
CG058	4.7	.2	31	34	3.6	9.3	N	N	370	51	5.9
CG059	9.9	3.1	27	65	5.6	12	N	N	460	100	11
CG060	5	.96	29	53	2.8	6.3	N	N	510	52	7.7
CG061	3.2	.66	19	21	1.8	4.2	N	N	220	51	5.3

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
CG001	6.7	10	16	39	N	8.8	N	N	N	17	N
CG002	9.6	9.1	22	46	N	N	N	N	N	N	N
CG003	7.5	5.9	15	41	N	N	N	N	N	N	N
CG004	7.3	6.4	16	43	N	N	N	N	N	N	N
CG005	11	8.9	18	53	N	N	N	N	N	N	N
CG006	12	9.2	17	68	N	N	N	N	N	N	N
CG007	5.9	5.4	15	39	N	3.6	N	N	N	N	N
CG008	6.3	6	11	40	N	N	N	N	N	N	N
CG009	6.9	5.9	15	39	N	N	N	N	N	N	N
CG010	7.4	13	22	46	N	N	N	N	N	<2.2	N
CG011	6.9	10	18	36	N	N	N	N	N	<1.7	N
CG012	7.7	6.2	14	38	N	N	N	N	N	N	N
CG013	7.9	17	19	47	N	<3.3	N	N	N	3.5	N
CG014	4.7	7.6	17	32	N	N	N	N	N	N	N
CG015	5.4	7.3	16	33	N	N	N	N	N	<1.5	N
CG016	4.8	8.9	14	27	N	N	N	N	N	N	N
CG017	3.1	5	7.2	18	N	N	N	N	N	N	N
CG018	6.5	11	17	40	N	3.1	N	N	N	3	N
CG019	5.9	4.5	13	21	N	N	N	N	N	N	N
CG020	5.6	9.2	11	32	N	N	N	N	N	1.8	N
CG021	3.8	5.6	10	26	N	N	N	N	N	N	N
CG022	5.5	11	16	32	N	N	N	N	N	<2.4	N
CG023	6.2	11	21	36	N	N	N	N	N	N	N
CG024	6.5	7.5	15	31	N	N	N	N	N	N	N
CG025	4.8	4.2	9.7	23	N	N	N	N	N	N	N
CG027	6.9	5.8	20	28	N	N	N	N	N	N	N
CG028	5.7	5.8	14	29	N	N	N	N	N	2	N
CG029	8	8.7	22	38	N	N	N	N	N	N	N
CG030	7.6	7	17	40	N	N	N	N	N	N	N
CG031	6.3	6.1	12	33	N	N	N	N	N	<1.7	N
CG032	6.8	6	39	N	N	N	N	1.1	N	44	N
CG033	5.6	5.5	22	28	N	N	N	N	N	N	N
CG034	6.1	8.1	9.7	N	N	3.4	N	.48	N	3.1	N
CG035	7.8	7.8	21	41	N	N	N	N	N	<1.8	N
CG036	6.3	6.3	37	N	N	3.4	N	1.8	N	3.9	N
CG037	9.9	11	16	N	N	5.3	N	.48	N	7.7	N
CG038	8.3	13	18	N	N	<4.8	N	N	N	4.6	N
CG039	11	19	30	N	N	10	N	.41	N	18	N
CG040	11	15	36	N	N	10	N	.38	N	24	N
CG041	12	8.5	100	N	N	16	.49	3.8	N	140	N
CG042	7.2	10	17	N	N	5.3	N	.51	N	3.9	N
CG043	7.3	12	15	N	N	5.1	N	.39	N	4	N
CG044	7.1	12	14	N	N	5.5	N	.45	N	5.1	N
CG045	6.8	8.8	15	N	N	<2.5	N	N	N	N	N
CG046	8	8.9	17	N	N	N	N	N	N	<1.5	N
CG047	14	25	32	N	N	<2.8	N	N	N	13	N
CG048	8	9.7	31	N	N	19	N	.69	N	15	N
CG049	7.9	11	22	N	N	<2.7	N	N	N	9.7	N
CG050	11	17	25	N	N	7.8	N	N	N	13	N
CG051	6.3	7.5	18	N	N	<3.1	N	N	N	21	N
CG052	7.4	11	16	N	N	<3.9	N	N	N	22	N
CG053	7.5	12	19	N	N	N	N	.55	N	15	N
CG054	6.3	10	15	N	N	4.1	N	N	N	11	N
CG055	7.4	9.6	27	N	N	5.6	N	.6	N	21	N
CG056	6.3	7	17	N	N	N	N	.36	N	14	N
CG057	13	18	28	N	N	<3.9	N	N	N	32	N
CG058	6.3	4.8	12	N	N	N	N	N	N	<2.2	N
CG059	9.5	11	18	N	N	<2.8	N	N	N	<3.3	N
CG060	7.6	7.6	22	N	N	52	.37	.51	N	17	N
CG061	4.9	6	36	N	N	<3.4	N	7	N	14	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
CG062	56 9 7	158 24 29	310	1,400	4,000	2,100	23,000	13,000	910	260	9.8
CG063	56 8 33	158 26 8	440	2,600	5,600	3,100	24,000	14,000	1,300	340	8.2
CG064	56 7 7	158 27 6	560	380	3,700	3,300	35,000	15,000	1,800	240	11
CG065	56 6 54	158 29 22	460	860	4,100	2,800	16,000	10,000	1,000	310	9.9
CG066	56 5 7	158 28 17	480	800	3,500	2,800	16,000	14,000	770	340	8.2
CG067	56 1 5	158 25 10	470	350	3,700	2,900	41,000	11,000	2,300	170	54
CG068	56 1 59	158 30 30	610	280	4,100	3,200	37,000	12,000	2,600	220	9
CG069	56 1 2	158 32 1	430	310	2,600	2,400	21,000	8,900	1,300	210	12
CG070	56 6 13	158 55 1	430	340	4,100	8,500	14,000	13,000	560	320	17
CG071	56 4 51	158 53 2	260	300	5,200	13,000	19,000	18,000	390	370	12
CG072	56 5 21	158 50 10	260	360	4,500	5,600	15,000	12,000	180	240	7.5
CG073	56 5 53	158 48 9	260	260	4,300	2,700	16,000	8,100	140	260	6.2
CG074	56 3 34	158 50 7	320	150	2,200	4,200	14,000	9,900	660	280	6.8
CG075	56 3 28	158 48 31	250	190	2,900	1,600	21,000	6,400	1,000	190	7.6
CG076	56 1 22	158 46 13	590	300	2,900	4,100	19,000	15,000	1,300	330	10
CG077	56 1 1	158 46 34	450	260	3,200	3,000	40,000	10,000	2,500	240	7.1
CG078	56 1 37	158 49 20	220	180	2,500	1,700	14,000	6,400	610	220	6.2
CG079	56 1 1	158 51 57	470	330	5,400	5,000	31,000	13,000	1,000	330	6.6
CG080	56 0 14	158 54 34	350	120	2,100	2,800	13,000	6,200	1,200	200	7.3
CG081	56 0 23	158 56 42	560	260	4,200	5,700	20,000	13,000	970	260	5
CG082	56 2 47	159 0 37	460	410	4,100	13,000	16,000	20,000	790	320	37
CG083	56 3 16	158 58 44	570	420	4,500	11,000	22,000	19,000	1,300	310	12
CG084	56 1 51	158 57 7	460	330	4,600	9,000	38,000	12,000	790	350	6.5
CG085	56 2 48	158 54 5	390	260	4,500	6,000	20,000	13,000	860	290	7.8
CG086	56 5 36	159 3 39	390	370	4,900	4,700	14,000	11,000	440	230	6.5
CG087	56 6 44	159 3 19	280	290	4,200	5,300	20,000	8,500	770	380	6.9
CG088	56 8 30	159 1 54	390	480	4,100	11,000	13,000	15,000	300	300	6.6
CG089	56 8 41	159 1 54	260	240	3,600	4,000	13,000	6,600	340	310	6.9
CG090	56 5 37	158 58 4	610	330	10,000	8,200	17,000	13,000	680	270	4.6
CG091	56 7 57	158 57 2	320	370	4,400	10,000	13,000	14,000	280	260	6.8
CG092	56 7 0	158 53 16	310	460	3,800	11,000	14,000	17,000	300	320	7.7
CG093	56 7 31	158 53 9	250	290	3,700	12,000	12,000	16,000	250	320	12
CG094	56 7 43	158 51 56	200	260	4,000	9,200	14,000	13,000	150	310	7.4
CG095	56 7 59	158 52 11	430	280	5,700	5,800	16,000	13,000	460	310	7
CG096	56 0 7	159 31 51	580	580	7,900	9,800	27,000	17,000	32	300	3
CG097	56 0 7	159 29 57	240	270	3,700	4,400	12,000	9,100	330	200	5
CG098	56 0 26	159 27 35	590	200	4,000	4,500	13,000	9,900	490	230	7.4
CG099	56 1 56	159 28 56	500	190	4,800	4,500	12,000	7,500	140	200	5.5
CG100	56 1 58	159 29 21	450	110	3,900	3,100	10,000	3,500	860	250	8.1
CG101	56 2 2	159 25 16	450	88	4,900	2,700	10,000	3,200	800	180	6
CG102	56 1 25	159 23 6	570	260	6,600	4,700	26,000	5,700	1,500	510	5.3
CG103	56 2 8	159 20 40	690	190	11,000	4,300	21,000	5,900	1,100	240	5.7
CG104	56 1 52	159 18 13	490	98	5,900	3,200	9,400	3,900	510	170	6.5
CG105	56 1 48	159 18 31	340	110	5,000	2,400	9,800	2,700	550	220	6.3
CG106	56 0 50	159 20 16	950	350	4,200	4,800	16,000	11,000	340	220	4.2
CG107	56 7 29	159 56 4	260	260	2,000	2,100	27,000	6,500	570	670	6.7
CG108	56 6 9	159 54 17	300	290	2,400	2,500	17,000	7,800	1,200	370	6.3
CG109	56 6 14	159 51 21	450	160	3,200	3,000	13,000	9,300	630	290	5.9
CG110	56 4 4	159 52 43	460	320	2,200	3,000	15,000	7,100	350	240	5.4
CG111	56 6 6	159 49 52	540	200	2,900	4,600	9,700	8,000	220	150	3.8
CG112	56 6 15	159 47 37	460	49	4,800	3,000	15,000	8,500	920	220	7.1
CG113	56 5 36	159 44 20	680	96	6,600	4,200	19,000	15,000	1,100	250	8.9
CG114	56 5 4	159 40 56	440	380	5,000	4,500	12,000	7,400	320	210	5.3
CG115	56 3 1	159 41 46	490	130	1,400	3,300	11,000	6,400	160	110	8.4
CG116	56 1 49	159 41 53	510	290	4,200	4,000	29,000	9,500	120	190	3.3
CG117	56 2 12	159 39 57	390	250	4,800	2,900	24,000	8,400	130	330	6.9
CG118	56 4 42	159 38 6	430	190	4,500	3,100	12,000	6,000	340	250	5.3
CG119	56 3 49	159 35 18	420	150	4,300	2,700	13,000	7,400	860	240	18
CG120	56 7 40	159 6 35	370	260	4,200	2,900	11,000	6,500	470	230	5.9
CG121	56 7 30	159 7 34	470	100	5,500	2,800	9,900	4,700	600	170	7.3

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
CG062	4.8	1.1	19	50	2.2	5.2	N	N	300	50	11
CG063	11	N	28	110	1.8	4.3	N	N	320	67	19
CG064	6.3	N	24	29	2.8	6.7	N	N	310	120	13
CG065	3.3	2.5	18	33	2.5	5.7	N	N	210	46	5.8
CG066	7.1	1.2	22	44	2.6	6.1	N	N	330	46	12
CG067	2.3	N	18	20	2.2	6.4	N	N	410	120	11
CG068	3.7	.24	23	23	2.5	6.5	N	N	380	140	16
CG069	2.6	2.5	15	21	2.2	5.3	2.5	3.8	340	91	8.7
CG070	5.9	1.8	56	23	2.8	5.7	2.7	1.4	240	41	7
CG071	5.8	1.2	49	14	2.4	4.7	2.3	.3	270	47	9.4
CG072	14	.87	66	38	2.9	5.8	2.9	.86	240	31	12
CG073	12	.041	16	23	1.9	4.1	2.5	.83	270	27	9.2
CG074	2.9	.35	39	26	2.8	6.3	4.1	3	290	36	4
CG075	2.9	N	10	15	1.7	4	2.3	4.4	230	61	7.3
CG076	3.8	3.9	27	35	3.5	8.1	4.9	6.7	350	48	4.5
CG077	5.6	1.5	28	32	3.1	8.6	3.9	5.1	430	160	16
CG078	5.1	1.5	14	20	1.8	4.5	2.5	1.9	270	36	6.2
CG079	11	1.3	39	47	4.2	9.5	4.5	2.4	380	74	13
CG080	2.3	.41	21	18	1.9	4.5	2.3	3.3	200	55	4.5
CG081	4.8	.52	46	44	3.1	6.8	4.2	3.5	310	56	7.5
CG082	5.3	.45	69	33	2.8	5.2	3.1	2.6	280	49	6.6
CG083	7.4	1.2	70	39	3.7	7.3	3.8	4.3	320	69	8.7
CG084	4.4	.19	56	83	4.9	11	7	2.5	530	79	11
CG085	5.8	.67	42	28	2.7	5.4	3.4	3	300	56	7.7
CG086	8.6	.87	53	41	2.9	5.5	3	2.5	230	37	8.8
CG087	5.9	.59	59	27	3.2	6.4	2.4	1.5	240	63	8.6
CG088	10	1.1	91	38	3.7	6.9	2.6	.57	210	31	9.6
CG089	4.7	1.6	42	27	2.7	5.9	2.7	1.4	210	31	5.7
CG090	4.3	.18	64	36	2.6	5.3	3	3.9	300	46	8.4
CG091	8.6	.67	95	22	2.6	4.7	2.6	.7	240	30	7.9
CG092	8.9	.94	89	31	3.2	6.3	3.1	.86	260	31	9.6
CG093	6.1	.73	150	18	1.9	3.3	1.8	.45	210	29	5.8
CG094	8.9	.7	87	26	2.5	4.9	2.7	.32	240	27	8.1
CG095	10	.42	55	18	2.4	4.8	2.5	1.4	290	38	10
CG096	9.4	N	50	48	4.3	10	5.5	.63	390	59	13
CG097	7.5	.64	30	14	3.7	7.4	3.3	3.6	230	29	11
CG098	2.4	3.8	27	25	2.8	6.9	3.7	3.4	270	45	5.8
CG099	1.4	.046	24	18	2.1	4.9	3.2	3.1	240	39	7.6
CG100	.67	2.7	16	8.4	2.3	5.5	2.7	3.8	160	40	2.5
CG101	.49	.56	15	5.1	1.6	3.2	1.9	2.6	160	37	3.1
CG102	1.6	N	31	17	3.5	9	5	4.5	300	84	7.1
CG103	1.2	.5	30	14	2.2	5.2	2.8	3.7	270	63	8.9
CG104	.52	.13	18	5.7	1.6	3.3	1.9	2.2	150	25	3.2
CG105	.58	.24	13	8.9	2	4.3	2.6	2.6	160	31	3.6
CG106	1.7	.4	55	40	2.6	5.5	3.2	4.1	250	55	5.3
CG107	1.3	2.2	21	30	2.6	6.2	3.4	3.1	140	48	5.2
CG108	2.1	.49	22	35	2.8	6.8	3.1	5.2	210	62	7
CG109	1.5	.62	22	22	1.6	4	2.1	3	160	45	4.3
CG110	2.7	.4	27	18	2.6	5.9	3.4	3.9	120	37	6.2
CG111	.79	.5	31	22	1.5	3	2.2	1.5	180	36	3
CG112	.76	.95	20	11	1.1	2.7	1.4	4.2	170	57	5
CG113	1.3	2.4	32	19	1.6	4.2	2.3	5.9	250	74	6.9
CG114	2.4	N	32	25	3	6.8	4	5.4	260	38	5.8
CG115	.28	2.8	21	11	.85	1.7	1.2	1.7	100	26	2.6
CG116	.82	N	28	18	2	4.5	3.1	3.8	170	38	5.4
CG117	2.4	.45	14	14	2.3	5	3.7	.74	260	48	10
CG118	2.2	.055	20	19	2.4	5.3	3.2	2.2	210	36	5.2
CG119	1.4	.14	19	36	2.1	5.4	3.1	6.5	280	45	3.7
CG120	3	.22	53	38	2.4	5.2	3	2.2	220	29	4.4
CG121	.65	N	18	14	1.4	2.9	1.9	3.1	170	28	3.6

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
CG062	10	8.2	7,000	N	N	N	.5	49	N	25	N
CG063	9.2	14	38	N	N	N	N	.43	N	30	N
CG064	7.6	6.4	40	N	N	7.6	N	1.4	N	30	N
CG065	5.8	4.5	81	N	N	N	N	4.8	N	9.4	N
CG066	9	8.7	35	N	N	<3.2	N	.52	N	39	N
CG067	8.1	5.8	69	N	N	N	N	20	N	<2.5	N
CG068	8.4	6.7	46	N	N	16	.32	.55	N	6.3	N
CG069	6.9	4.2	18	33	N	N	N	1.2	N	<2.6	N
CG070	5.2	5.9	11	29	N	N	N	N	N	N	N
CG071	5.8	7.1	15	34	N	N	N	N	N	N	N
CG072	5.6	10	14	33	N	N	N	N	N	<2.4	N
CG073	6.5	10	15	40	N	3.7	N	N	N	7.8	N
CG074	5.3	5.1	14	31	N	N	N	N	N	5.5	N
CG075	6.2	6.3	25	40	N	<3.2	N	.58	N	12	N
CG076	7	6.9	19	52	N	N	N	N	N	50	N
CG077	10	9.6	13	65	N	<5.3	N	.65	N	6	N
CG078	6.2	8.4	20	48	N	6.1	N	.5	N	19	N
CG079	9.4	13	18	50	N	N	N	N	N	<3.9	N
CG080	4.6	4	6.5	24	N	N	N	N	N	<1.6	N
CG081	6.9	8.2	16	34	N	N	N	N	N	3.8	N
CG082	6	6.7	15	31	N	N	N	N	N	N	N
CG083	6.9	7.4	18	36	N	N	N	N	N	N	N
CG084	11	14	34	57	N	N	N	N	N	23	N
CG085	6.7	7.4	15	36	N	N	N	N	N	<2.8	N
CG086	6.5	10	12	28	N	N	N	N	N	N	N
CG087	6.2	9.4	11	42	N	N	N	N	N	<1.7	N
CG088	4.9	7.8	10	30	N	N	N	N	N	N	N
CG089	5.2	7.4	9.8	32	N	N	N	N	N	3.2	N
CG090	9.8	18	21	35	N	N	N	N	N	N	N
CG091	5.3	7.4	13	30	N	N	N	N	N	N	N
CG092	5.3	9.2	12	39	N	N	N	N	N	<1.6	N
CG093	4.4	5.1	12	25	N	N	N	N	N	N	N
CG094	5.8	10	15	39	N	N	N	N	N	<2.9	N
CG095	6.8	9.5	12	40	N	N	N	N	N	5.2	N
CG096	11	12	25	49	N	N	N	N	N	N	N
CG097	5.6	9.6	7.3	30	N	N	N	N	N	<1.7	N
CG098	5.9	12	15	22	N	N	N	N	N	N	N
CG099	6.1	8	11	19	N	N	N	N	N	N	N
CG100	5.6	9.6	10	19	N	N	N	N	N	N	N
CG101	6.1	6.9	6.5	17	N	N	N	N	N	N	N
CG102	9.5	9.8	9.4	41	N	N	N	N	N	N	N
CG103	10	14	7.8	29	N	N	N	N	N	N	N
CG104	6.4	8.6	6.3	15	N	N	N	N	N	N	N
CG105	5.9	8.3	6.4	18	N	N	N	N	N	N	N
CG106	7	4.8	12	25	N	N	N	N	N	N	N
CG107	3.7	5.3	8.4	27	N	N	N	.41	N	5.6	N
CG108	4.8	5.1	6.2	31	N	N	N	N	N	2.4	N
CG109	4.5	5.3	9.2	23	N	N	N	N	N	<2.3	N
CG110	4.8	7.5	9.4	32	N	N	N	N	N	5.1	N
CG111	5.1	4	20	13	N	N	N	N	N	N	N
CG112	5.4	6.4	6.4	19	N	N	N	N	N	N	N
CG113	7.7	11	17	22	N	N	N	N	N	N	N
CG114	6.5	7.2	13	24	N	N	N	N	N	N	N
CG115	3.2	2.7	9.6	8.5	N	N	N	N	N	<1.7	N
CG116	6.6	5.4	12	24	N	N	N	N	N	<2.7	N
CG117	10	15	35	42	N	<3.2	N	.36	N	9	N
CG118	5.9	7.7	10	21	N	N	N	N	N	N	N
CG119	6.6	6.3	8.8	21	N	N	N	N	N	N	N
CG120	5.9	13	15	29	N	N	N	N	N	N	N
CG121	6.2	8.8	7.7	14	N	N	N	N	N	N	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
CG122	56 6 45	159 9 1	410	110	3,300	2,500	7,700	2,900	550	230	7.1
CG123	56 5 35	159 9 50	560	120	5,600	3,400	12,000	6,200	820	210	5.5
CG124	56 3 3	159 8 57	430	140	3,300	2,800	9,300	3,600	720	290	6.7
CG125	56 0 58	159 7 40	420	270	6,200	4,600	15,000	9,500	750	280	4.1
CG126	56 0 7	159 10 38	470	230	5,200	3,400	12,000	7,200	730	230	5.6
CG127	56 3 24	159 13 11	370	90	3,300	1,700	7,100	2,200	310	92	6.7
CG128	56 2 24	159 13 35	480	140	3,600	2,700	8,700	5,000	530	170	5.3
CG129	56 1 0	159 14 2	350	75	2,400	2,100	7,000	4,100	560	180	7.4
CG130	56 4 9	159 57 11	300	300	2,000	2,800	11,000	4,800	610	250	6.2
CG131	56 1 56	159 54 59	160	360	3,000	2,600	12,000	5,400	29	250	4.3
CG132	56 0 55	159 55 7	420	170	4,600	3,400	36,000	8,700	100	300	4.6
CG133	56 0 34	159 57 11	300	130	2,300	2,100	21,000	4,800	270	220	4.9
CG134	56 1 18	159 58 49	160	280	2,400	2,100	13,000	4,300	120	220	5.5
CG135	56 12 40	158 12 55	390	200	2,800	3,500	16,000	10,000	840	290	7.3
CG136	56 11 54	158 14 34	250	95	1,500	2,300	9,500	6,700	520	190	5.5
CG137	56 10 56	158 17 38	380	140	1,700	2,900	12,000	10,000	670	240	7.2
CG138	56 10 41	158 20 24	320	140	1,800	1,900	14,000	8,900	800	190	5.2
CG139	56 10 56	158 20 31	390	630	4,200	2,100	32,000	11,000	350	290	4.9
CG140	56 11 44	158 19 0	330	290	2,500	1,600	17,000	11,000	610	290	6.8
CG142	56 12 9	158 23 51	340	360	2,500	2,300	10,000	7,900	480	230	6.6
CG143	56 14 33	158 24 23	570	740	3,300	3,300	13,000	11,000	470	300	9.8
CG144	56 14 32	158 21 59	330	1,300	3,500	1,600	17,000	14,000	840	320	8.4
CG145	56 16 22	158 20 28	380	440	3,600	2,500	22,000	13,000	580	330	7.5
CG146	56 16 52	158 19 25	200	290	3,000	2,400	20,000	8,600	73	330	6.3
CG147	56 17 27	158 19 41	160	230	2,100	1,600	13,000	5,300	26	210	5.4
CG148	56 18 57	158 18 57	170	220	1,800	2,000	14,000	8,600	250	300	4.9
CG149	56 17 21	158 15 15	140	170	2,000	1,600	12,000	4,400	100	230	6.1
CG150	56 17 39	158 14 30	120	280	4,600	1,600	34,000	8,500	35	640	6.3
CG151	56 16 4	158 14 7	86	310	3,300	5,700	20,000	5,800	2.4	430	5.1
CG152	56 15 32	158 15 21	180	450	5,000	8,100	24,000	8,800	130	360	10
CG153	56 14 48	158 17 41	180	170	1,700	1,900	12,000	5,500	230	210	5.4
CG154	56 32 46	158 14 43	140	390	5,100	3,200	19,000	10,000	52	260	6.5
CG155	56 32 10	158 13 10	810	340	6,700	9,200	29,000	19,000	700	250	6.1
CG156	56 31 9	158 14 16	410	210	5,400	3,000	20,000	11,000	510	260	4.9
CG157	56 31 13	158 13 46	540	260	9,100	3,800	30,000	17,000	610	420	6.9
CG158	56 31 41	158 13 21	1,000	280	6,700	5,800	15,000	14,000	230	230	5.2
CG159	56 30 2	158 8 56	180	140	2,000	1,900	16,000	6,400	220	270	5.8
CG160	56 29 52	158 8 41	120	96	1,600	1,300	7,900	4,800	130	160	7.2
CG161	56 27 54	158 10 43	370	200	2,500	2,700	21,000	11,000	950	210	6.2
CG162	56 31 34	158 18 36	150	390	3,900	5,200	13,000	10,000	210	290	16
CG163	56 31 5	158 18 3	2,200	360	16,000	5,200	24,000	10,000	130	250	4.3
CG164	56 18 57	158 21 40	250	230	1,400	1,600	15,000	13,000	730	240	5.1
CG165	56 17 41	158 22 53	310	210	3,300	2,500	19,000	9,600	330	250	6.6
CG166	56 18 3	158 24 55	260	430	3,100	1,700	19,000	7,500	540	220	8.1
CG167	56 16 52	158 27 29	420	340	5,100	5,300	33,000	19,000	140	410	5.5
CG168	56 20 4	158 26 14	290	310	3,800	4,000	15,000	10,000	69	230	5.2
CG169	56 18 39	158 31 49	450	490	6,800	6,300	37,000	18,000	57	310	5
CG170	56 16 22	158 32 54	160	200	4,700	3,100	32,000	8,900	9.8	450	4.7
CG171	56 14 42	158 29 58	860	1,200	21,000	4,700	10,000	17,000	350	470	8.6
CG172	56 14 28	158 29 55	260	260	4,600	2,100	34,000	11,000	370	430	6.2
CG173	56 15 46	158 35 28	210	230	3,600	1,400	37,000	7,300	160	430	5.8
CG174	56 12 45	158 34 55	260	190	5,600	2,300	22,000	11,000	350	310	3.4
CG175	56 12 53	158 34 52	360	330	6,500	2,200	37,000	20,000	560	410	28
CG176	56 13 19	158 37 38	250	250	6,900	3,700	26,000	12,000	480	330	4.6
CG177	56 15 35	158 37 44	280	230	6,800	3,100	28,000	11,000	700	330	6.3
CG178	56 11 15	158 53 4	200	170	3,800	2,100	11,000	5,500	180	240	6.9
CG179	56 11 6	158 52 46	310	170	3,800	2,400	9,600	5,000	340	180	17
CG180	56 11 2	158 52 5	250	360	5,300	13,000	14,000	16,000	210	310	11
CG181	56 11 38	158 49 2	260	190	3,800	2,700	13,000	7,300	110	230	4.9
CG182	56 12 37	158 47 49	290	150	2,800	3,100	12,000	7,900	380	380	5.2

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
CG122	.37	.16	14	7.8	2	4.8	2.5	3	120	23	2.3
CG123	1	N	22	18	1.6	3.2	2	3.2	190	40	4.1
CG124	.81	.33	15	13	2.7	6.1	3.5	3.7	140	30	2.2
CG125	2.2	N	39	33	2.4	5.4	3.1	3.5	260	42	5.7
CG126	1.1	N	25	32	2	4.2	2.6	3.9	200	40	4.3
CG127	.66	.34	9.7	7.7	.84	N	1.2	2.1	120	16	1.6
CG128	.76	.49	18	19	1.5	3.1	2.1	3.1	160	24	2.4
CG129	.72	.8	13	15	1.3	2.7	1.9	2.6	110	22	1.9
CG130	1.1	.09	21	28	2.9	6.4	3.4	3.8	160	40	5
CG131	6.2	.76	22	41	4	8.6	4.2	2.9	270	17	9.9
CG132	2.2	N	22	6.2	2.3	5.1	3.8	.83	320	42	7
CG133	1.3	2	13	8.6	1.5	3.3	1.9	2.7	140	29	4.3
CG134	6.3	1.3	22	34	2.9	6.1	2.8	2.3	220	30	9.5
CG135	5.6	.46	34	27	3.5	7.5	3.7	3.6	320	49	7.5
CG136	2	N	17	25	1.9	3.9	2.6	3.6	220	29	3.4
CG137	2.7	.25	20	26	2.6	5.5	3.6	4.8	310	33	3.9
CG138	1.6	.31	14	21	1.7	3.6	2.5	5.6	330	39	3.2
CG139	5	N	21	26	1.6	3.5	2.3	1.7	1,100	33	9.8
CG140	2.7	2.4	13	18	3.1	7.5	5.5	4.3	280	43	4.7
CG142	3.1	.2	20	32	1.9	4.3	1.8	2.6	180	30	4.7
CG143	5.9	4.3	23	49	2	4.9	2.8	1.7	300	33	4.5
CG144	5.2	2.1	11	66	2.6	6	3.1	4.9	220	48	9.3
CG145	9.5	1	20	36	3	7.4	3.8	2.5	350	45	8
CG146	8.9	3.1	22	50	3.2	7.8	3.6	.53	330	29	8.4
CG147	5	1.8	16	35	1.6	4	2.7	.44	200	23	6.2
CG148	3	.15	21	71	2.6	6.6	4.2	3.1	280	26	4.9
CG149	5.1	1.7	12	36	2.9	6.7	3.1	.52	270	22	5.7
CG150	17	.69	15	24	3.3	7.5	3.6	.96	200	27	14
CG151	11	.5	47	82	3.2	8.4	4.6	N	330	21	11
CG152	17	.22	37	53	3.6	8.1	4.2	N	340	35	14
CG153	3.9	1.7	15	32	2	4.8	2.2	1.2	230	25	4.4
CG154	19	.93	43	57	3.4	7.7	3.7	1.2	270	31	16
CG155	7.7	.12	72	58	3.4	7.7	4.8	4.6	410	88	12
CG156	4.6	.028	22	26	2.6	6.1	3.3	2.7	430	46	11
CG157	7.9	2	25	29	3.4	8.4	5.4	3.5	530	55	13
CG158	5.3	N	67	69	2.6	5.8	3.4	1.8	340	41	7.9
CG159	2.5	.37	21	28	3.3	7.2	4.2	1.6	530	23	5.7
CG160	4.3	2.1	9.1	22	1.6	3.8	2.4	.76	210	17	3.6
CG161	4.7	N	15	24	2.1	5.8	3	5.4	330	56	6.2
CG162	8.6	1.7	39	25	3.3	7	2.9	.84	230	29	10
CG163	6.9	.41	130	83	3.4	8.2	4.4	1.4	470	53	29
CG164	2.8	2.8	14	38	2.3	7.3	3.6	8.1	260	36	3.6
CG165	8.4	1.2	17	22	1.9	3.9	2.8	1.1	290	33	7.6
CG166	4.4	1.6	10	28	2	3.9	2.7	1.6	270	44	8.2
CG167	8.4	2	33	69	5.1	11	6.9	2.1	540	47	8.5
CG168	4.1	.82	50	84	2.7	5.8	3.2	.82	270	35	6.2
CG169	5.1	.36	70	16	4	8.6	5.9	2	480	47	10
CG170	2.1	.85	24	25	2.8	6.2	3.8	.97	260	22	6.5
CG171	9.4	.98	32	64	2	4.2	2.7	2.2	310	42	16
CG172	1.7	1.2	28	21	1.8	4.3	2.2	1.9	210	34	13
CG173	2.2	2.4	17	20	1.9	4.7	1.9	1.7	210	29	7.6
CG174	6	1	16	32	3.3	7.9	3.7	1.4	400	37	15
CG175	5.8	1.9	23	37	5.8	13	10	3	490	52	17
CG176	7.5	.76	28	35	4	9.4	4.6	1.3	380	52	14
CG177	9.1	N	20	26	3.8	8.8	4.2	2.2	360	60	9.2
CG178	6.9	1.1	16	13	1.5	3.4	2.2	1	250	20	6
CG179	4.4	.91	16	10	1.1	2.5	1.5	1.2	190	24	5.4
CG180	9.3	.58	88	30	2.4	4.5	2.8	.31	270	28	8.8
CG181	7.1	.68	18	19	2	4.9	2.5	.87	240	23	8.3
CG182	3.1	1.1	18	30	3	6.8	4.1	2.5	250	26	5

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
CG122	4.2	5	7	12	N	N	N	N	N	N	N
CG123	6.7	8.4	9.6	18	N	N	N	N	N	N	N
CG124	4.5	5.7	12	17	N	N	N	N	N	N	N
CG125	8.1	12	12	25	N	N	N	N	N	N	N
CG126	6.5	9	14	19	N	N	N	N	N	N	N
CG127	4.4	5.1	15	13	N	N	N	N	N	N	N
CG128	4.8	4.8	9.1	12	N	N	N	N	N	N	N
CG129	3.2	4.1	5.5	14	N	N	N	N	N	N	N
CG130	4.2	8.7	8.7	23	N	N	N	N	N	N	N
CG131	6.8	11	9.1	34	N	2.5	N	N	N	2.7	N
CG132	14	11	35	33	N	N	N	N	N	8.4	N
CG133	5.3	6.6	13	18	N	2.8	N	.53	N	25	N
CG134	5.4	9.7	6.2	30	N	N	N	N	N	2.5	N
CG135	5.7	6.4	11	31	N	N	N	N	N	4.1	N
CG136	3.3	3	7	19	N	N	N	.37	N	2.9	N
CG137	4.5	4.5	11	28	N	N	N	N	N	5.4	N
CG138	7.1	4.4	14	46	N	5.2	N	.65	N	14	N
CG139	12	9.9	53	130	N	13	.36	2.6	N	32	N
CG140	8.8	5.7	38	29	N(.52)	5.9	N	.99	N	12	N
CG142	4.2	4.7	23	24	N	<2.9	N	.73	N	3.6	N
CG143	9.9	6.3	40	33	N	4.8	N	2.2	N	8.8	N
CG144	5.3	4.7	27	25	N	<3.2	N	3.1	N	11	N
CG145	8.6	8.9	24	51	N	<5	N	.38	N	23	N
CG146	7.4	12	17	48	N	5.5	N	N	N	4.2	N
CG147	5.2	9.7	12	37	N	4.9	N	.41	N	2.7	N
CG148	5.5	7.7	12	36	N	3.6	N	N	N	2.7	N
CG149	6	8.7	11	32	N	4.8	N	.37	N	3.9	N
CG150	4.7	17	15	51	N	<2.9	N	.38	N	4.7	N
CG151	12	21	27	69	N	8.1	N	.44	N	12	N
CG152	7.4	17	16	53	N	<4	N	N	N	6.3	N
CG153	4.5	6.5	9.1	31	N	3.2	N	.45	N	3.3	N
CG154	7.6	15	17	40	N	N	N	N	N	3	N
CG155	9.3	9.4	26	41	N	N	N	N	N	N	N
CG156	7.8	8.4	23	51	N	6.5	N	N	N	9.2	N
CG157	12	10	39	58	N	<4	.3	N	N	10	N
CG158	7.8	9.8	21	31	N	N	N	N	N	<1.5	N
CG159	12	9.2	110	78	N	13	N	.85	N	12	N
CG160	4.1	26	11	270	N	3.1	N	.36	N	3.4	N
CG161	5.2	5.1	13	46	N	<4.1	N	.81	N	12	N
CG162	5	9.1	12	37	N	N	N	N	N	N	N
CG163	11	20	35	38	N	N	N	N	N	N	N
CG164	4.2	4.4	17	50	N	<2.8	N	N	N	N	N
CG165	7.5	25	19	72	N	<3.6	N	N	N	5.6	N
CG166	8.3	6.3	32	36	N	4.4	N	1.2	N	8.8	N
CG167	11	9.8	27	62	N	N	N	N	N	<4.8	N
CG168	6.1	6.6	13	36	N	N	N	N	N	N	N
CG169	13	13	28	57	N	N	N	N	N	6.7	N
CG170	7.7	20	28	36	N	5.9	N	1.6	N	9.6	N
CG171	10	12	32	46	2.4	10	N	N	12	9.6	4.9
CG172	5.3	10	44	52	N	20	N	6.1	N	7.4	N
CG173	3.7	5.5	17	35	N	11	N	1.7	N	8.8	N
CG174	8.5	16	20	43	N	8.7	N	.36	N	11	N
CG175	13	16	41	80	N	17	.33	.82	N	9.3	N
CG176	9.8	13	25	50	N	6.9	N	N	N	4.4	N
CG177	9.3	11	15	44	N	<3	N	.57	N	4.7	N
CG178	6.1	6.6	18	41	N	7.4	N	N	N	12	N
CG179	4.8	6	11	29	N	4.3	N	N	N	8	N
CG180	5.6	7.5	17	34	N	N	N	N	N	<3.3	N
CG181	5.5	7.7	12	33	N	3.3	N	N	N	5	N
CG182	4.9	5.3	12	25	N	<2.9	N	N	N	10	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
CG183	56 13 7	158 49 18	150	160	3,400	2,100	10,000	5,300	71	190	5.9
CG184	56 19 15	158 35 32	250	420	4,200	5,700	24,000	11,000	610	310	6.1
CG185	56 21 1	158 33 50	330	580	3,400	14,000	12,000	19,000	300	260	19
CG186	56 22 20	158 31 31	290	400	3,100	9,000	12,000	13,000	380	220	23
CG187	56 22 55	158 30 18	330	410	3,400	5,700	15,000	11,000	510	220	50
CG188	56 24 3	158 31 36	280	260	2,600	4,900	15,000	7,600	430	170	8.1
CG189	56 24 15	158 31 26	490	770	4,800	14,000	16,000	20,000	660	320	13
CG190	56 25 12	158 29 2	550	580	4,900	13,000	20,000	18,000	960	280	15
CG191	56 25 48	158 28 40	530	640	4,700	12,000	19,000	18,000	710	300	18
CG192	56 26 40	158 25 43	430	650	4,200	10,000	19,000	14,000	390	320	13
CG193	56 28 49	158 28 32	200	370	3,300	9,100	15,000	6,200	130	240	12
CG194	56 29 31	158 31 35	310	390	5,200	9,100	37,000	15,000	940	370	11
CG195	56 29 23	158 31 20	480	400	6,700	14,000	30,000	21,000	940	380	9.6
CG196	56 29 2	158 29 43	530	320	7,800	14,000	34,000	23,000	1,600	380	12
CG197	56 27 35	158 23 49	260	420	5,000	3,400	29,000	10,000	310	350	11
CG198	56 28 47	158 21 14	340	360	5,100	3,400	38,000	12,000	1,300	290	11
CG199	56 30 11	158 19 50	230	140	2,100	1,900	6,500	5,700	170	78	4.3
CG200	56 31 47	158 20 21	300	430	5,300	11,000	23,000	17,000	580	330	73
CG201	56 30 41	158 22 52	490	1,600	5,900	2,300	81,000	22,000	650	<290	7.7
CG202	56 30 57	158 22 56	460	1,800	6,400	1,600	67,000	16,000	550	460	6.1
CG203	56 33 7	158 23 16	320	400	5,200	9,600	17,000	17,000	470	300	11
CG204	56 33 15	158 23 9	490	750	6,200	9,200	29,000	19,000	600	390	18
CG205	56 17 50	158 37 21	330	510	5,800	4,600	23,000	12,000	120	300	6.9
CG206	56 16 46	158 42 45	560	330	4,900	11,000	43,000	15,000	1,200	210	21
CG207	56 16 52	158 43 18	180	110	2,100	1,900	9,900	3,200	470	120	5
CG208	56 16 56	158 47 59	660	370	6,700	5,500	29,000	12,000	1,300	230	9.3
CG209	56 17 31	158 47 49	570	480	5,000	8,100	19,000	13,000	790	270	6.8
CG210	56 18 24	158 52 35	720	570	6,000	10,000	20,000	17,000	860	290	13
CG211	56 20 57	158 51 2	610	710	6,200	8,000	19,000	13,000	600	290	8.9
CG212	56 22 26	158 52 7	480	710	5,500	9,800	21,000	19,000	550	350	7.1
CG213	56 22 21	158 51 8	380	700	6,700	8,600	22,000	15,000	370	350	7.1
CG214	56 21 52	158 49 16	400	770	6,800	10,000	28,000	17,000	330	380	10
CG215	56 20 7	158 47 15	460	380	4,400	8,300	15,000	14,000	520	270	9.5
CG216	56 19 58	158 44 21	710	940	7,800	18,000	24,000	31,000	660	380	13
CG217	56 20 6	158 44 11	470	730	6,900	9,300	28,000	16,000	770	380	11
CG218	56 23 30	158 48 31	190	540	3,500	8,900	15,000	6,100	43	370	8.9
CG219	56 21 52	158 42 59	380	560	4,900	9,300	33,000	12,000	790	420	7.5
CG220	56 21 52	158 43 14	430	500	6,500	10,000	59,000	16,000	1,600	400	12
CG221	56 22 44	158 45 13	500	330	6,100	8,600	31,000	15,000	820	350	11
CG222	56 22 40	158 46 9	670	380	6,700	13,000	24,000	20,000	650	350	8.1
CG223	56 25 4	158 47 22	630	360	5,500	5,600	29,000	15,000	230	400	6.2
CG224	56 24 41	158 43 54	390	540	6,100	13,000	31,000	20,000	580	440	8.1
CG225	56 24 4	158 44 19	470	490	5,600	10,000	24,000	18,000	620	320	8.4
CG226	56 24 6	158 43 31	400	380	6,700	11,000	36,000	19,000	740	330	9.3
CG227	56 22 59	158 41 24	500	670	5,200	12,000	25,000	18,000	350	340	13
CG228	56 23 5	158 39 29	410	610	5,000	13,000	22,000	19,000	400	350	15
CG229	56 23 42	158 35 26	510	690	5,600	14,000	20,000	21,000	540	280	9.9
CG230	56 32 41	158 57 50	350	170	2,500	2,400	22,000	6,200	1,200	240	9.2
CG231	56 31 8	158 57 40	370	170	2,500	2,500	21,000	5,400	1,100	230	5.9
CG232	56 30 31	158 56 6	180	69	1,400	1,600	7,600	3,300	250	120	7.1
CG233	56 29 53	158 53 22	140	99	1,400	1,300	23,000	2,300	1,200	150	7.6
CG234	56 29 22	158 51 41	200	160	2,000	2,000	9,000	3,600	240	140	7.3
CG235	56 28 39	158 50 11	180	140	1,500	2,100	6,000	4,200	20	120	8.3
CG236	56 30 26	158 45 39	200	230	2,900	1,100	29,000	6,000	300	190	7.2
CG237	56 28 58	158 45 59	140	74	1,400	1,200	6,600	2,800	100	75	6
CG238	56 28 18	158 49 33	260	330	4,500	2,300	32,000	10,000	130	260	4.2
CG239	56 30 18	158 41 56	460	240	4,800	3,800	17,000	9,000	480	220	6.3
CG240	56 30 27	158 41 33	200	190	2,700	1,300	23,000	5,100	200	200	6.2
CG241	56 16 8	158 59 21	300	370	3,600	2,900	17,000	7,400	320	260	7.1
CG242	56 15 43	158 59 46	150	170	2,500	670	43,000	4,400	100	210	4.8

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
CG183	8.9	.34	12	16	2	4.6	1.9	.44	170	16	7.6
CG184	10	.79	59	38	3.9	8.5	3.2	1.9	280	58	12
CG185	9.2	.6	93	37	2.5	4.7	2	N	210	27	6.2
CG186	7.8	.6	84	35	2.5	4.8	1.9	.94	200	35	6.9
CG187	8.9	N	56	31	3.2	6.3	2.8	1.4	240	35	9.1
CG188	3.8	.45	53	26	2.6	5.3	2	1.4	210	35	6.7
CG189	15	N	88	49	3.9	7.4	3	2.3	270	45	12
CG190	9	N	110	53	3.9	7.9	3.2	4.5	290	60	13
CG191	10	N	110	55	4.5	8.5	3.3	2.5	270	51	25
CG192	10	N	110	65	4.2	8.2	3.8	2.4	260	42	91
CG193	5.9	N	49	6.7	3.3	6	3.7	.76	250	33	8.2
CG194	10	N	66	28	5.1	11	4.1	1.6	380	94	14
CG195	8.7	N	76	32	3.4	7.7	3.7	4	420	76	12
CG196	8.8	.19	93	36	4.4	9.1	4.7	6.1	450	96	12
CG197	11	1.2	35	50	5.1	12	5	1.7	440	62	16
CG198	11	N	25	45	4.4	10	4.3	1	430	100	17
CG199	.7	N	25	21	.77	N	.98	.72	110	38	9.5
CG200	14	N	73	40	4.3	8.8	5.5	3.8	420	47	13
CG201	8.3	N	20	1.6	5.5	18	10	.64	1,100	78	14
CG202	4.1	N	25	25	2.6	6.3	2.9	N	200	81	12
CG203	10	10	66	19	2.8	5.8	3.6	2	370	40	12
CG204	16	N	60	43	4.9	11	6.6	1.6	520	59	16
CG205	17	N	49	36	4.9	11	4.7	1.7	300	35	16
CG206	5.9	N	85	41	3.1	6.6	2.3	1.4	380	110	11
CG207	1.4	N	24	17	.98	2	.8	1.4	140	31	3
CG208	5.7	N	56	56	2.8	6.5	2.8	4	340	78	8.6
CG209	8.6	.12	72	48	2.9	6.6	3.2	2.4	290	51	9.4
CG210	8.3	10	83	72	3.1	6.4	3.1	4.3	340	61	9.6
CG211	9.4	N	80	77	3.3	6.6	3	2.5	330	50	9.9
CG212	12	.02	100	93	3.9	8.7	4.2	2.3	360	45	10
CG213	13	1.4	160	79	3.5	6.9	3.4	.7	330	48	13
CG214	11	N	110	90	3.8	7.4	4	.92	410	59	13
CG215	4.8	.25	53	49	2.5	5.4	2.8	2	270	35	6
CG216	17	1.9	130	98	4	8.3	4.1	2.9	400	52	12
CG217	12	.13	99	85	3.5	7.5	3.2	2.3	370	65	10
CG218	4.4	2.8	140	100	5.7	12	5.1	N	280	25	7.5
CG219	5.8	N	110	67	3.7	8.7	4.1	1.2	450	77	7.7
CG220	8.1	N	68	49	3.7	7.8	3.5	2.7	480	140	12
CG221	4.1	N	88	55	2.9	6.1	3	3.1	420	77	7.9
CG222	5.6	N	82	50	3.2	6.9	3.2	2.7	370	62	7.6
CG223	1.5	.24	44	59	4.1	9.1	5.2	3.4	410	68	8.3
CG224	8.1	N	80	53	3.5	7.4	3.5	.88	390	71	11
CG225	7.3	N	78	53	2.7	5.9	3.1	1.9	360	56	9.6
CG226	11	.27	77	57	3.5	7.2	4.8	3.2	450	85	10
CG227	6.2	.19	140	78	3.6	7.9	4.5	1.2	450	50	9.5
CG228	6.7	N	92	51	2.9	5.7	2.8	.66	340	51	8.9
CG229	9.4	.84	120	64	3	5.8	3.2	1.4	340	46	9.6
CG230	.58	N	21	37	2.2	5.4	2.6	4	270	82	6.9
CG231	.73	N	21	26	1.9	4.7	2.1	2.9	190	84	6.4
CG232	1.1	.43	12	16	1	2.9	1	.88	100	25	2.7
CG233	.97	.68	11	14	1.6	4.9	2	4.3	200	110	11
CG234	2	.41	18	24	1.7	4.1	1.8	2	160	31	5
CG235	2	2.8	15	22	1.3	3	1.9	.66	140	13	2.8
CG236	4.3	.26	14	15	1.2	3.4	1.5	.92	240	46	6.5
CG237	2.5	N	7.6	13	1.1	3	1.1	.53	190	13	3.6
CG238	12	N	24	37	2.8	6.4	4.9	1.2	410	41	10
CG239	3.9	N	32	20	2	4.2	2.5	1.6	320	34	5.9
CG240	2.5	.59	8.9	14	.92	3.3	1.9	1.2	410	34	3.5
CG241	3.1	.45	27	20	1.8	4.5	2.2	1.6	250	30	5.2
CG242	1.8	.74	8.3	13	.77	2.4	.82	.62	170	35	4.4

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
CG183	4.3	7.6	9.5	24	N	N	N	N	N	5	N
CG184	7.1	10	14	41	N	N	N	N	N	N	N
CG185	3.9	4.6	13	27	N	N	N	N	N	N	N
CG186	3.9	5	12	30	N	N	N	N	N	N	N
CG187	5.2	7.4	13	33	N	N	N	N	N	N	N
CG188	4	5	8.9	29	N	N	N	N	N	N	N
CG189	5.5	8	17	37	N	N	N	N	N	N	N
CG190	5.6	8.2	18	39	N	N	N	N	N	N	N
CG191	6	14	16	39	N	N	N	N	N	N	N
CG192	8.6	49	17	59	N	N	N	.86	N	N	N
CG193	4.3	6.9	13	33	N	N	N	N	N	<1.7	N
CG194	7	8.7	16	48	N	N	N	N	N	<1.7	N
CG195	7.7	8.5	22	51	N	N	N	N	N	N	N
CG196	7.4	7.2	20	55	N	N	N	N	N	N	N
CG197	8.9	15	18	84	N	13	N	N	N	21	N
CG198	9.1	13	19	77	N	<3	N	N	N	<2.9	N
CG199	2.4	3.5	4.8	17	N	N	N	N	N	N	N
CG200	7.5	11	22	51	N	N	N	N	N	N	N
CG201	50	17	780	74	N	N	.51	6.8	N	25	N
CG202	5.1	5.4	240	35	N	N	.43	24	N	24	N
CG203	6.4	9.3	21	39	N(.6)	N	N	N	N	N	N
CG204	9.2	14	31	58	N	N	N	N	N	<2.6	N
CG205	8.1	15	20	50	N	N	N	N	N	<2.8	N
CG206	8.7	8.2	12	63	N	N	N	N	N	N	N
CG207	3.5	3.5	4.6	19	N	N	N	N	N	N	N
CG208	9.5	9.4	15	45	N	N	N	N	N	N	N
CG209	7.1	8.4	14	36	N	N	N	N	N	N	N
CG210	7.3	8.4	16	40	N(.72)	N	N	N	N	N	N
CG211	7.8	9.9	19	40	<.72	N	N	N	N	N	N
CG212	7.3	8.5	23	41	N	N	N	N	N	N	N
CG213	7.2	10	17	42	N	N	N	N	N	N	N
CG214	8.3	11	26	45	N	N	N	N	N	N	N
CG215	5.8	5.4	15	30	N	N	N	N	N	N	N
CG216	8.3	11	29	49	N	N	N	N	N	N	N
CG217	8.9	11	24	51	N	N	N	N	N	N	N
CG218	5.5	7.6	12	38	N	<2.6	N	N	N	2.6	N
CG219	9.5	8.7	21	56	N	N	N	N	N	<2.8	N
CG220	10	9.5	23	74	N	N	N	N	N	N	N
CG221	7.5	6.3	16	61	N	N	N	N	N	N	N
CG222	7.3	6.5	17	42	N	N	N	N	N	N	N
CG223	9.7	8	20	46	N	N	N	N	N	<2.9	N
CG224	8.5	10	22	50	N	N	N	N	N	N	N
CG225	7.1	7.9	20	40	N	N	N	N	N	N	N
CG226	9.2	9	23	62	N	N	N	N	N	N	N
CG227	8	7.9	21	45	N	N	N	N	N	N	N
CG228	6.2	7.1	19	42	N	N	N	N	N	N	N
CG229	6.1	7.5	21	39	N	N	N	N	N	N	N
CG230	6	4.8	10	38	N	N	N	N	N	N	N
CG231	5.7	5	8.2	34	N	N	N	N	N	N	N
CG232	2.4	2.6	4.5	16	N	N	N	N	N	N	N
CG233	6.7	6.5	6.6	31	N	N	N	N	N	N	N
CG234	4.2	4.7	8.8	20	N	N	N	N	N	2.4	N
CG235	3.4	4	6.4	16	N	N	N	N	N	N	N
CG236	5.9	5.4	26	28	N	4.9	N	1.6	N	16	N
CG237	3.1	5.2	4.4	19	<.22	N	N	N	N	2.1	N
CG238	9.6	10	38	59	N	<3.7	N	.9	N	14	N
CG239	6.8	6.8	21	55	N	4.6	N	N	N	4.5	N
CG240	11	3.5	23	31	N	9.8	N	2.5	N	12	N
CG241	7.2	5.6	100	37	N	<2.7	N	1.4	N	3.5	N
CG242	5.1	4.9	25	34	N	11	.33	1.7	N	39	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
CG243	56 16 53	159 0 10	220	200	2,900	2,600	10,000	5,400	200	170	6.4
CG244	56 19 9	159 2 27	310	120	2,100	2,400	6,400	4,300	410	120	6.6
CG245	56 19 8	158 56 51	210	210	2,200	3,100	12,000	5,000	390	210	7.8
CG246	56 16 37	158 53 46	340	260	3,800	11,000	14,000	14,800	290	230	11
CG247	56 14 46	158 52 14	190	270	3,600	4,600	13,000	8,800	80	280	8.7
CG248	56 14 7	158 53 27	280	64	2,600	2,700	8,200	4,800	280	110	10
CG249	56 13 59	158 53 8	200	160	3,700	2,500	12,000	6,000	110	260	7.7
CG250	56 13 11	158 44 49	160	120	1,900	1,600	11,000	3,600	120	150	7.3
CG251	56 11 51	158 42 53	190	400	4,000	3,800	19,000	9,500	6.6	280	7
CG252	56 11 22	158 42 56	170	150	3,200	1,900	12,000	5,700	90	150	7.9
CG253	56 15 22	158 42 14	510	140	1,500	3,400	6,700	4,700	530	200	5
CG254	56 29 33	158 41 40	330	160	2,600	3,000	10,000	4,400	670	150	8.5
CG255	56 28 3	158 42 37	540	350	2,200	6,100	12,000	9,700	660	170	7.8
CG256	56 27 41	158 43 14	590	290	7,000	6,200	25,000	15,000	230	160	2.9
CG257	56 28 32	158 37 37	350	130	2,900	2,800	15,000	8,000	540	120	6
CG258	56 27 55	158 37 51	330	280	4,400	4,900	16,000	9,900	230	190	4.3
CG259	56 27 16	158 41 11	300	320	6,300	13,000	17,000	19,000	380	230	8.1
CG260	56 16 8	159 3 28	140	340	3,600	5,300	11,000	7,100	28	390	5
CG261	56 10 50	159 4 51	280	180	3,000	3,400	8,900	5,400	170	140	4.7
CG262	56 10 48	159 4 29	540	140	6,400	3,600	12,000	5,100	500	120	7.6
CG263	56 12 10	159 2 55	330	280	3,300	4,800	13,000	6,000	240	210	6.6
CG264	56 12 9	158 59 7	580	260	4,500	4,000	14,000	8,900	490	200	5.9
CG265	56 12 18	158 59 3	520	430	4,400	3,700	13,000	7,300	440	160	6.3
CG266	56 12 41	159 4 47	490	390	5,800	3,200	22,000	6,600	770	110	6.9
CG267	56 13 14	159 5 43	520	220	4,600	4,500	14,000	8,700	340	190	4.8
CG268	56 13 55	159 6 25	710	180	5,500	4,000	11,000	5,700	590	110	6.7
CG269	56 14 47	159 7 33	730	100	8,500	4,600	12,000	7,800	570	120	5.7
CG270	56 15 9	159 5 43	450	70	4,000	3,100	8,000	4,600	520	98	7.7
CG271	56 16 38	159 9 5	250	170	1,100	1,700	7,500	2,500	160	110	3.8
CG272	56 18 20	159 8 25	520	170	5,800	4,100	12,000	5,600	450	140	4.4
CG273	56 19 0	159 8 5	520	95	3,800	3,400	7,800	5,200	460	92	4.5
CG274	56 17 45	159 5 15	130	110	3,000	1,400	20,000	2,100	1,400	140	5.4
CG275	56 7 40	159 38 29	550	150	5,700	3,800	12,000	5,600	520	230	4.6
CG276	56 7 20	159 36 30	550	130	5,000	4,200	12,000	7,700	590	120	4.6
CG277	56 8 20	159 36 58	420	110	1,800	2,900	9,200	4,100	620	140	4.3
CG278	56 8 26	159 36 51	730	170	3,100	5,600	12,000	9,500	290	120	3.9
CG279	56 10 39	159 39 17	210	38	2,700	1,500	5,100	2,500	280	49	5.8
CG280	56 9 45	159 42 30	340	45	1,800	2,300	3,900	3,300	230	47	6.6
CG281	56 11 41	159 33 52	510	85	6,800	3,900	13,000	6,700	590	120	6.6
CG282	56 13 30	159 34 34	690	140	4,100	4,800	9,900	7,100	630	150	6.9
CG283	56 9 14	159 52 51	840	110	8,100	5,500	11,000	8,600	560	100	5.9
CG284	56 11 49	159 50 57	430	96	3,200	3,300	9,000	5,300	460	99	6.2
CG285	56 14 31	159 53 0	680	150	2,100	4,100	13,000	10,000	640	160	7.5
CG286	56 14 30	159 45 29	410	43	18,000	2,800	17,000	3,700	370	<41	6.6
CG287	56 11 48	159 47 16	470	46	19,000	3,000	16,000	4,100	350	<34	6.8
CG288	56 9 36	159 47 35	250	31	1,900	1,800	2,900	2,200	120	24	7.6
CG289	56 10 46	159 44 42	290	56	1,600	1,800	5,700	4,000	430	85	4.6
CG290	56 12 29	159 29 36	540	61	5,200	3,800	7,800	5,400	350	57	7.2
CG291	56 12 59	159 34 36	860	65	6,300	6,000	8,100	8,700	270	51	5.9
CG292	56 14 21	159 39 27	970	120	7,900	8,600	11,000	9,900	380	82	5.9
CG293	56 16 10	159 38 48	430	59	3,100	2,900	5,500	4,000	310	62	5.9
CG294	56 17 59	159 31 55	480	60	3,400	3,200	7,100	4,700	500	69	7.5
CG295	56 18 36	159 27 53	370	59	4,900	2,400	8,600	3,000	410	54	7.2
CG296	56 18 14	159 24 51	750	82	6,700	5,000	10,000	7,500	460	54	5.9
CG297	56 18 15	159 20 39	810	70	9,600	5,200	11,000	7,700	490	48	5.6
CG298	56 18 34	159 15 33	940	230	13,000	5,800	14,000	8,600	490	76	8.5
CG299	56 18 6	159 53 25	540	67	10,000	3,800	8,900	5,200	260	99	9.2
CG300	56 22 29	159 54 56	450	180	1,600	4,200	65,000	4,000	1,000	380	11
CG301	56 26 43	159 59 0	350	94	4,100	2,500	16,000	3,100	1,000	450	8.5
CG302	56 27 0	159 54 11	320	130	3,500	2,000	31,000	4,000	3,500	220	8

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
CG243	3.1	N	27	15	1.4	2.9	1.7	.98	200	21	4
CG244	1.4	2.2	26	21	1.1	2.3	1.3	1.3	120	21	2.3
CG245	2.8	N	61	37	1.7	4	1.4	1.9	170	36	4.4
CG246	6.7	N	74	19	1.4	2.8	1.6	.86	230	34	5.6
CG247	7.3	.41	43	18	2.4	5.5	2.8	.51	250	22	6
CG248	2.2	N	16	6.9	1	2.4	1.2	.81	160	23	3.1
CG249	6.3	.79	15	12	2	4.4	2.5	.99	240	17	5.1
CG250	1.8	.49	10	19	2.4	5.4	2.2	.8	200	16	2.8
CG251	4.7	.11	44	120	4	9.5	4.5	1	320	29	7.3
CG252	3.8	.68	13	23	1.7	3.8	2.1	.79	190	23	6.3
CG253	1.2	.22	22	13	1.4	2.5	1.8	2.2	100	24	2.6
CG254	1.2	1.6	17	9.5	1.1	1.7	1.6	2	140	40	4
CG255	3.1	.44	39	17	1.9	2.6	2.4	2.2	210	40	5.2
CG256	8.4	N	75	54	3.3	6.3	4.2	1.5	380	74	13
CG257	2.6	.37	26	26	1.6	3.5	2.3	2.7	240	48	5.3
CG258	7.6	1.1	44	22	2.2	3.3	2.5	1	260	51	9.2
CG259	8.8	.45	62	23	2.1	2.7	3.1	1.9	350	40	8.3
CG260	6.2	1.5	51	29	4.6	8	3.5	N	210	25	7.4
CG261	3.4	.56	37	26	1.9	3.5	2.1	1.2	180	19	4.2
CG262	1.4	.67	27	15	1.4	1.8	1.8	2.3	190	31	3.7
CG263	4.5	1.5	80	40	2.9	5.6	2.5	.94	190	39	6.1
CG264	5.7	.99	27	18	2.3	4.3	3.2	2.4	240	32	4.6
CG265	2.8	.78	23	25	1.6	2.8	2.4	1.6	190	39	4.8
CG266	2.1	1.3	19	20	1.3	2.6	2.2	1.7	260	65	7.9
CG267	5.4	1.3	37	25	2.9	6.7	3.5	2.7	250	39	6.5
CG268	1.2	.92	24	12	1.4	3	1.9	3	160	29	3.4
CG269	1.3	1.5	29	11	.99	N	1.4	1.9	190	31	4.1
CG270	1.1	1.4	19	6.8	.67	N	.83	1.2	120	27	3
CG271	.6	.11	13	35	2.5	5.9	2.1	1	450	12	1.4
CG272	.92	N	27	16	1.6	3.8	1.9	3.3	190	35	6.6
CG273	.58	N	21	10	.86	1.7	1.1	2.2	120	22	2.6
CG274	.96	.086	7.4	9.1	1.4	3.4	1.5	2.3	190	100	9.1
CG275	1.4	.17	30	16	1.1	1.7	1.4	1.5	210	41	4.5
CG276	.97	N	27	16	1.1	2	1.9	4.1	200	38	4.2
CG277	.81	N	18	14	1.5	3.2	2.2	2.8	150	35	1.7
CG278	1.1	1	31	15	1.7	3.1	2.6	3.2	160	26	2.2
CG279	.38	1.1	9	6.9	.4	N	.58	1.4	85	14	1.6
CG280	.49	.54	13	5.6	.46	N	.57	1.4	72	9.5	1.2
CG281	.86	N	23	13	1	2.1	1.5	3.2	210	32	4.2
CG282	1	1.6	28	16	1.8	4.3	2.3	4.7	170	27	2
CG283	1.2	N	34	11	1.1	2.4	1.5	2.5	190	26	4.2
CG284	.43	.29	20	15	1.4	3.2	1.9	2.9	150	29	3.5
CG285	1.7	N	26	26	1.6	3.7	2.6	1.6	190	57	3.1
CG286	.56	N	16	3.3	.45	N	.67	.48	250	22	6.9
CG287	.48	N	18	4.4	.39	N	.56	.67	250	23	7.2
CG288	.27	.89	10	2.1	N	N	.28	N	52	7.6	1.5
CG289	.53	N	11	11	.7	1.9	1.1	2.1	110	20	1.8
CG290	.51	N	23	6.9	.58	N	.76	1.4	120	19	3.4
CG291	.52	.08	38	4.7	.5	N	.56	.64	130	17	2.5
CG292	.86	.26	41	7.7	.98	1.5	1.3	1.1	160	17	4
CG293	.49	N	17	6.5	.54	N	.69	1	90	15	2.1
CG294	.67	N	20	7.5	.61	N	.81	2.1	110	22	2.8
CG295	.33	1.8	14	3.8	.73	N	.94	.96	120	20	3.8
CG296	.77	N	32	6.6	.62	N	.82	1.3	150	23	4.1
CG297	.69	N	33	5.6	.49	N	.68	.98	170	28	5.2
CG298	1.1	N	36	11	1	N	1.4	2.3	220	31	6.1
CG299	.78	1.8	23	6	.57	N	.85	.7	170	15	3.9
CG300	.77	N	30	42	2	3.5	3.8	4.5	4,300	53	3.3
CG301	.76	N	15	11	1.5	2.9	2	2.1	180	89	6.2
CG302	1.2	1.5	13	20	1.7	3.8	2.6	5.2	240	170	15

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
CG243	4.6	4.8	36	36	<.4	3.3	N	.57	N	3	N
CG244	3.1	3.2	4.3	15	N	N	N	N	N	N	N
CG245	3.5	3.4	6.5	24	N	N	N	N	N	N	N
CG246	4.5	5.3	13	30	N	N	N	N	N	N	N
CG247	4.9	6.1	12	29	N	N	N	N	N	4.2	N
CG248	3.6	3.7	7.8	38	<.3	N	N	N	N	1.5	N
CG249	5	5.9	11	34	N	2.7	N	N	N	15	N
CG250	5.4	6.2	7.1	23	N	N	N	.5	N	11	N
CG251	7.7	10	16	42	N	N	N	N	N	<2.2	N
CG252	5.3	6.6	9.9	30	N	N	N	N	N	2.4	N
CG253	2.5	3.4	5.5	16	N	N	N	N	N	N	N
CG254	4.1	4.2	9.9	27	N	N	N	N	N	N	N
CG255	4.2	4.2	8.7	25	N	N	N	N	N	N	N
CG256	9	8.5	21	44	N	N	N	N	N	<3.7	N
CG257	4.9	9.3	13	26	N	N	N	N	N	3	N
CG258	6	6	18	37	N	<2.5	N	N	N	4.5	N
CG259	6.4	6.9	18	36	N	N	N	N	N	N	N
CG260	3.9	5.3	9.8	30	N	N	N	N	N	2.8	N
CG261	4.4	8.2	10	22	N	2.7	N	N	N	1.8	N
CG262	7	9.2	8.9	17	N	N	N	N	N	N	N
CG263	4.7	5.5	8.6	30	N	N	N	N	N	<1.8	N
CG264	7.6	6.6	13	31	N	N	N	N	N	16	N
CG265	6	4.8	18	28	N	<3	N	.51	N	2.3	N
CG266	8.3	8.3	28	40	N	4.3	N	.77	N	2.5	N
CG267	6.1	7	13	30	N	N	N	N	N	N	N
CG268	6.3	9.8	13	15	N	N	N	N	N	N	N
CG269	7.7	11	8.5	17	N	N	N	N	N	N	N
CG270	4.6	5.6	5.6	15	N	N	N	N	N	N	N
CG271	2.6	2	3.4	22	N	N	N	.62	N	8.3	N
CG272	7	11	11	20	N	N	N	N	N	N	N
CG273	4.5	5.1	5.6	8.9	N	N	N	N	N	N	N
CG274	6.8	7.6	4.2	27	N	N	N	N	N	N	N
CG275	6.3	15	10	15	N	N	N	N	N	2	N
CG276	6.3	6.1	9.5	16	N	N	N	N	N	N	N
CG277	3.5	4.2	4.9	13	N	N	N	N	N	N	N
CG278	5.5	3.8	11	13	N	N	N	N	N	N	N
CG279	3.2	3.3	3.1	6.6	N	N	N	N	N	N	N
CG280	2.3	1.9	3.1	6.6	N	N	N	N	N	N	N
CG281	7.6	8.4	8.6	18	N	N	N	N	N	N	N
CG282	5.7	5.3	11	14	N	N	N	N	N	N	N
CG283	7.3	9.2	5.8	15	N	N	N	N	N	N	N
CG284	4.8	6.5	9.5	15	N	N	N	N	N	N	N
CG285	4.4	3.6	8	23	N	N	N	N	N	N	N
CG286	13	27	2.9	22	N	N	N	N	N	N	N
CG287	13	27	3.1	22	N	N	N	N	N	N	N
CG288	2.1	2.7	1.7	6.6	N	N	N	N	N	N	N
CG289	2.6	2.3	4.1	11	N	N	N	N	N	N	N
CG290	5.4	7.2	5.2	11	N	N	N	N	N	N	N
CG291	6.1	7.1	4	10	N	N	N	N	N	N	N
CG292	7.4	10	7.3	13	N	N	N	N	N	N	N
CG293	3.6	4.4	3	8.4	N	N	N	N	N	N	N
CG294	4.1	4.2	3.8	10	N	N	N	N	N	N	N
CG295	5.3	7.1	2.9	13	N	N	N	N	N	N	N
CG296	6.7	7.6	5.1	13	N	N	N	N	N	N	N
CG297	8.1	10	5.4	14	N	N	N	N	N	N	N
CG298	10	16	11	19	N	N	N	N	N	N	N
CG299	7.7	17	2.8	13	N	N	N	N	N	N	N
CG300	3.1	2.8	6.2	20	N	N	N	.61	N	4.1	N
CG301	5.4	8.2	3.9	18	N	N	N	N	N	2.7	N
CG302	7.5	8.1	5.7	40	N	N	N	.36	N	<1.6	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
CG303	56 24 58	159 51 7	500	220	4,800	3,200	10,000	5,000	680	230	17
CG304	56 17 12	159 45 37	510	85	14,000	3,400	29,000	5,100	1,900	<93	7.5
CG305	56 17 56	159 42 5	360	82	3,100	2,300	6,200	3,500	350	93	8.5
CG306	56 24 24	159 44 3	370	100	2,200	2,200	6,100	4,700	410	100	8.9
CG307	56 27 22	159 44 48	310	130	4,500	2,300	15,000	2,900	1,200	280	8.8
CG308	56 17 15	160 12 32	550	74	15,000	4,000	19,000	5,400	970	120	6.5
CG309	56 16 46	160 9 7	530	120	8,000	3,700	12,000	5,200	630	150	6.8
CG310	56 18 3	160 4 30	310	64	9,700	2,300	21,000	3,200	1,300	<74	9.6
CG311	56 19 51	160 1 2	480	270	2,900	3,600	35,000	10,000	1,400	550	11
CG312	56 23 24	160 4 30	280	71	13,000	2,100	19,000	3,100	590	N(21)	8
CG314	56 25 36	160 2 1	540	180	1,800	2,700	19,000	4,200	830	230	6.9
CG315	56 43 23	158 12 57	340	140	1,900	2,300	11,000	5,900	550	160	6
CG316	56 44 6	158 13 1	530	250	2,100	2,700	21,000	5,200	1,300	160	4.3
CG317	56 44 39	158 13 28	400	260	1,800	2,500	11,000	5,600	510	180	3.8
CG318	56 48 20	158 12 4	460	480	3,400	5,400	23,000	9,700	1,100	210	5
CG319	56 47 9	158 13 40	310	460	2,900	5,300	13,000	11,000	220	200	4.8
CG320	56 47 1	158 14 21	280	500	3,700	5,400	20,000	12,000	450	190	5.4
CG321	56 44 29	158 18 0	300	590	3,300	5,100	28,000	11,000	370	210	3.6
CG322	56 43 57	158 19 48	730	670	4,100	9,200	23,000	16,000	310	170	3.7
CG323	56 43 52	158 21 3	730	630	4,700	8,300	45,000	15,000	1,300	<88	4
CG324	56 44 41	158 24 18	1,100	490	5,700	9,000	22,000	15,000	460	120	3.8
CG325	56 45 27	158 26 3	500	480	5,000	5,000	45,000	10,000	1,600	240	4.7
CG326	56 46 0	158 26 45	760	480	5,500	6,000	40,000	13,000	1,200	160	4.3
CG327	56 47 35	158 27 42	930	470	6,000	4,200	26,000	12,000	450	230	4.9
CG328	56 48 16	158 27 39	1,000	690	9,400	10,000	22,000	14,000	160	220	5
CG329	56 49 14	158 25 55	400	250	4,400	3,500	34,000	5,800	1,300	260	3.6
CG330	56 50 24	158 18 34	460	250	3,100	3,200	17,000	5,200	1,200	240	6.5
CG331	56 50 18	158 18 34	420	350	3,500	4,000	26,000	8,300	890	190	4.5
CG332	56 50 47	158 19 20	430	190	2,900	2,800	15,000	4,800	1,000	180	5.9
CG333	56 50 3	158 21 4	720	430	4,600	5,200	31,000	10,000	1,200	260	7.3
CG334	56 50 5	158 24 45	800	430	5,000	5,800	21,000	12,000	600	190	5.9
CG335	56 51 14	158 23 53	660	590	4,500	5,000	19,000	8,800	310	150	5.2
CG336	56 51 49	158 27 20	660	340	2,800	4,300	20,000	11,000	840	240	9.6
CG337	56 54 14	158 29 33	320	150	3,000	2,400	37,000	4,900	1,900	320	7.3
CG338	56 53 49	158 25 18	200	100	3,400	1,900	48,000	3,100	3,000	N(52)	5.4
CG339	56 56 19	158 26 1	310	100	1,700	1,700	11,000	3,100	900	120	6.4
CG340	56 56 27	158 25 32	340	110	2,200	2,000	13,000	3,900	1,100	150	5.6
CG341	56 56 37	158 24 39	390	140	2,000	2,200	13,000	4,600	970	150	6.4
CG342	56 57 13	158 23 17	320	100	3,200	2,000	24,000	4,900	1,900	110	9.4
CG343	56 58 47	158 25 18	280	120	5,800	2,200	52,000	4,300	3,700	N(12)	5.6
CG344	56 58 54	158 32 23	150	85	750	1,300	5,700	2,400	220	200	5.4
CG345	56 56 14	158 7 11	630	61	9,000	4,100	10,000	6,100	N	N	8.5
CG346	56 54 20	158 4 59	640	290	4,400	4,900	17,000	11,000	N	N	4.8
CG347	56 49 0	158 1 24	240	130	2,400	2,400	33,000	4,200	N	N	5.7
CG348	56 48 47	158 3 35	350	400	1,600	4,600	7,600	7,600	N	N	7.6
CG349	56 48 9	158 5 12	350	240	1,700	3,400	9,000	5,600	N	N	8.7
CG350	56 47 2	158 6 15	670	280	2,300	4,200	14,000	6,400	N	N	6.2
CG351	56 19 50	159 35 53	660	77	5,900	4,200	10,000	6,200	N	N	6.6
CG352	56 22 40	159 31 19	380	51	5,100	2,500	11,000	3,700	N	N	7.9
CG353	56 27 17	159 35 6	600	320	2,300	3,200	15,000	8,500	N	N	7.3
CG354	56 33 40	158 23 39	210	420	3,200	5,800	11,000	11,000	N	N	8.3
CG355	56 35 40	158 25 3	110	270	2,300	1,700	14,000	4,800	N	N	5.8
CG356	56 35 51	158 28 27	260	97	2,100	2,400	10,000	4,200	N	N	4.4
CG357	56 31 20	158 27 53	330	320	4,800	9,900	20,000	15,000	N	N	6.9
CG358	56 32 3	158 28 2	240	500	4,300	12,000	15,000	17,000	N	N	12
CG359	56 32 19	158 30 16	310	360	4,900	2,600	32,000	11,000	N	N	5.9
CG360	56 32 11	158 30 12	260	460	3,500	8,100	17,000	12,000	N	N	6.9
CG361	56 33 52	158 28 29	190	440	4,400	3,500	15,000	9,800	N	N	5.4
CG362	56 34 8	158 32 9	590	770	5,800	8,400	23,000	16,000	N	N	5.1
CG363	56 34 12	158 31 28	890	410	6,000	11,000	34,000	17,000	N	N	5.6

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
CG303	1.4	4.6	21	22	1.8	3.3	2.5	3.5	200	29	2.9
CG304	1.2	N	21	8.9	.94	N	1.6	2.7	300	100	8.4
CG305	1	2.6	14	11	.82	1.8	1.2	2.1	110	16	1.8
CG306	.91	1.9	17	21	1.2	2.4	1.8	2.4	130	16	1.7
CG307	.78	N	12	13	2	4.9	2.7	3	170	66	5.3
CG308	.84	N	24	5.8	1	1.5	1.5	2	250	52	7.4
CG309	.94	N	22	12	1.4	2.7	2	3.1	190	32	4.4
CG310	.69	N	13	7	.95	1.8	1.3	1.8	220	82	8.3
CG311	2.7	1.5	26	54	3.3	7.8	5.5	8.9	1,400	130	6.1
CG312	.99	N	12	9	1.1	N	1.6	.95	240	58	5.6
CG314	1.2	N	19	12	1.9	4.3	2.7	4.2	440	36	2.8
CG315	1.1	1.4	20	26	1.4	3	2.1	1.9	170	38	3.2
CG316	1.9	.83	20	25	1.9	3.7	2.8	3.2	240	72	8.4
CG317	2.2	N	20	41	2.3	5.2	2.6	1.9	180	37	4.5
CG318	4	N	36	26	2.9	6.1	3	3.4	270	74	12
CG319	6.5	1	75	61	4	8.1	3.5	1.6	220	31	6.5
CG320	7.3	N	52	55	4.7	9.4	3.8	2.6	280	54	10
CG321	7.9	N	98	81	5.9	13	6	2.3	380	72	8.2
CG322	5.2	.43	170	160	4	8.6	6.4	5.4	370	51	6.5
CG323	6.6	N	140	140	3.8	8.4	6.4	8.3	490	110	13
CG324	6.5	N	210	120	2.8	5.5	4.1	4.6	310	68	10
CG325	2.6	N	75	83	4.6	9.9	6.2	8	430	130	19
CG326	5.8	.14	160	100	3.9	8.2	6.1	9.1	430	110	17
CG327	3.3	1.3	72	100	3.5	7.6	4.6	7	410	68	13
CG328	3.3	N	70	86	4.7	9.4	7	8.9	370	45	16
CG329	1.5	N	25	42	3.7	7.9	5.5	7.8	380	110	18
CG330	1.8	.24	24	25	2.4	5.4	3.2	4.9	240	60	7.6
CG331	3.9	N	53	71	3.5	7.8	4.2	4.4	310	78	9.8
CG332	1.5	.16	21	20	1.9	3.4	2.4	3.2	200	57	7
CG333	4.5	3.3	69	70	3.9	8.6	5.8	6.1	370	88	10
CG334	3.1	N	46	69	3.2	6.3	4.5	7.5	290	56	10
CG335	2.5	1.1	50	71	3	6.2	3.5	5.1	290	54	14
CG336	5.3	.48	37	46	2.6	5.7	3.1	4	330	59	9.1
CG337	1.7	N	18	23	2.2	4.6	3	3.1	280	110	13
CG338	1.1	N	11	11	1.5	3.9	2.6	2.2	350	150	19
CG339	.69	1.7	10	9.3	1.1	2.2	1.6	2.7	140	47	4.2
CG340	1.1	.73	13	12	1.3	2.6	1.9	3.3	160	56	4.6
CG341	1.2	.74	15	16	1.5	3	2.1	3.6	160	53	4.5
CG342	1.2	1.2	12	14	1.5	3.4	2.4	5.4	250	91	6.6
CG343	1.4	N	12	15	1.7	3.2	2.8	2.7	400	170	17
CG344	.71	1.5	9.6	12	.87	N	1.3	.51	240	15	2.1
CG345	.6	.47	N	5.3	.46	N	N	N	160	N	4.6
CG346	3.5	.88	N	47	3.1	4.9	N	N	290	N	8.8
CG347	.57	N	N	25	2.5	4.7	N	N	310	N	22
CG348	2.7	.56	N	16	2.1	3.2	N	N	130	N	4.2
CG349	1.7	.27	N	13	1.7	2.1	N	N	130	N	4.1
CG350	1.4	N	N	20	2.5	4.3	N	N	200	N	6.6
CG351	.62	N	N	7.6	.65	N	N	N	160	N	4.2
CG352	.39	N	N	5.9	.62	N	N	N	150	N	3.8
CG353	2.3	N	N	43	2.9	7.2	N	N	220	N	2.6
CG354	7.9	1	N	35	3.3	6.2	N	N	190	N	7.9
CG355	4.7	.18	N	45	3	7.3	N	N	220	N	10
CG356	.79	N	N	19	1	2	N	N	150	N	7.5
CG357	6.5	.039	N	25	2.5	4.5	N	N	330	N	8.5
CG358	10	.033	N	32	2.9	5.5	N	N	270	N	10
CG359	4.2	N	N	21	1.9	4	N	N	340	N	6.8
CG360	8.1	.26	N	30	3.6	6.5	N	N	240	N	8.7
CG361	10	.049	N	51	3.6	7.2	N	N	260	N	13
CG362	8.1	.31	N	91	3.3	7.1	N	N	350	N	9.6
CG363	4	.059	N	41	4.2	9.1	N	N	470	N	10

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
CG303	5.4	8.1	6.3	18	N	N	N	N	N	N	N
CG304	13	15	5.8	35	N	N	N	N	N	N	N
CG305	3.7	3.4	4.7	9.9	N	N	N	N	N	N	N
CG306	3.2	2.5	7	11	N	N	N	N	N	N	N
CG307	6.6	8.7	6.1	22	N	N	N	.37	N	N	N
CG308	12	19	5.7	23	N	N	N	N	N	N	N
CG309	7.7	11	6.9	16	N	N	N	N	N	N	N
CG310	10	14	3.9	28	N	N	N	N	N	N	N
CG311	7	6.7	14	36	N	N	N	.4	N	4.4	N
CG312	10	22	3.9	29	N	N	N	N	N	N	N
CG314	3.4	3.8	5.6	16	N	N	N	N	N	N	N
CG315	3.6	2.7	5	24	N	N	N	N	N	N	N
CG316	5.3	4.4	6.7	34	N	N	N	N	N	N	N
CG317	3.7	6.4	8.5	26	N	N	N	N	N	N	N
CG318	6.5	8	11	34	N	N	N	N	N	N	N
CG319	5.1	6.1	10	32	N	N	N	N	N	N	N
CG320	6	7.7	11	42	N	N	N	N	N	N	N
CG321	7.8	5.4	12	57	N	<2.6	N	N	N	<1.7	N
CG322	7.8	4.5	19	42	N	N	N	N	N	N	N
CG323	11	6.6	20	70	N	N	N	N	N	N	N
CG324	8	7.6	20	42	N	N	N	N	N	N	N
CG325	11	8.3	15	62	N	N	N	N	N	<2.1	N
CG326	11	8.9	21	61	N	N	N	N	N	<1.8	N
CG327	9.2	8.7	14	41	N	N	N	N	N	<1.6	N
CG328	9.3	8.8	17	43	N	N	N	N	N	N	N
CG329	9.1	8.8	15	52	N	N	N	N	N	<2	N
CG330	5.9	6.9	9.4	29	N	N	N	N	N	<1.7	N
CG331	7.3	7	10	46	N	N	N	N	N	<1.8	N
CG332	5.4	6.4	6.9	26	N	N	N	N	N	N	N
CG333	8.6	8.5	16	50	N	N	N	N	N	<1.6	N
CG334	7.6	7.8	16	35	N	N	N	N	N	N	N
CG335	7.1	7.1	11	36	N	N	N	N	N	N	N
CG336	5.8	8	8.9	35	N	N	N	N	N	<1.8	N
CG337	7.7	9.1	5.3	42	N	N	N	N	N	2.2	N
CG338	8.7	9.6	6.7	62	N	N	N	N	N	N	N
CG339	3.6	3.5	4.7	20	N	N	N	N	N	N	N
CG340	4.5	4.6	5.6	22	N	N	N	N	N	N	N
CG341	4.3	4.6	6.4	22	N	N	N	N	N	N	N
CG342	6.5	6	5.9	34	N	N	N	N	N	N	N
CG343	11	12	7.2	60	N	N	N	N	N	N	N
CG344	1.5	1.6	2.9	9.4	N	N	N	N	N	N	N
CG345	7.7	N	4.9	N	N	N	N	N	N	N	N
CG346	6.5	N	18	N	N	N	N	N	N	<1.7	N
CG347	7.8	N	7.7	N	N	N	N	N	N	<1.6	N
CG348	2.9	N	7.7	N	N	N	N	N	N	N	N
CG349	3	N	6.4	N	N	N	N	N	N	N	N
CG350	4.4	N	8.9	N	N	N	N	N	N	N	N
CG351	6.5	N	4.7	N	N	N	N	N	N	N	N
CG352	6.4	N	5.5	N	N	N	N	N	N	N	N
CG353	4.8	N	8	N	N	N	N	N	N	N	N
CG354	3.5	N	9.6	N	N	N	N	N	N	N	N
CG355	5.5	N	12	N	N	N	N	N	N	2.9	N
CG356	4.2	N	6.8	N	N	N	N	N	N	N	N
CG357	6.1	N	15	N	N	N	N	N	N	N	N
CG358	5.1	N	15	N	N	N	N	N	N	N	N
CG359	7.2	N	61	N	N	N	N	N	N	12	N
CG360	4.2	N	9	N	N	N	N	N	N	N	N
CF361	6.3	N	15	N	N	N	N	N	N	2.8	N
CG362	8.1	N	19	N	N	N	N	N	N	5	N
CG363	8.7	N	22	N	N	N	N	N	N	N	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
CG364	56 34 33	158 31 58	240	570	4,600	2,400	26,000	9,500	N	N	5.6
CG365	56 35 27	158 32 25	270	270	2,500	2,600	17,000	5,800	N	N	5.7
CG366	56 36 25	158 33 33	340	150	1,000	2,300	13,000	3,700	N	N	5.2
CG367	56 37 57	158 33 53	340	120	2,200	2,300	27,000	3,900	N	N	6.3
CG368	56 39 7	158 35 28	430	130	950	2,600	7,800	4,800	N	N	5.8
CG369	56 39 35	158 38 50	180	95	1,200	1,300	14,000	2,600	N	N	5.5
CG370	56 33 39	158 39 12	310	180	2,200	1,900	13,000	5,100	N	N	7.9
CG371	56 33 43	158 39 27	310	280	4,300	3,600	20,000	9,700	N	N	6.6
CG372	56 33 39	158 39 2	150	180	2,200	1,100	12,000	3,900	N	N	7.5
CG373	56 34 13	158 39 14	190	300	2,900	2,600	12,000	5,500	N	N	5.3
CG374	56 34 43	158 40 24	300	110	1,200	2,000	28,000	2,800	N	N	5.6
CG375	56 35 21	158 39 29	220	120	1,500	1,700	32,000	3,900	N	N	6.7
CG376	56 36 13	158 40 52	600	150	1,800	2,900	32,000	6,700	N	N	6.2
CG377	56 34 56	158 43 53	320	100	1,200	2,100	36,000	2,900	N	N	4.5
CG378	56 35 2	158 44 8	160	110	1,500	1,200	21,000	2,300	N	N	5.9
CG379	56 37 8	158 45 25	330	200	2,100	2,200	28,000	4,200	N	N	5.9
CG380	56 37 24	158 44 19	550	260	3,500	3,300	34,000	11,000	N	N	7.5
CG381	56 38 27	158 47 45	500	170	1,500	3,200	23,000	13,000	N	N	11
CG382	56 41 0	158 46 42	210	160	2,100	2,200	41,000	4,600	N	N	8.4
CG383	56 38 41	158 52 36	530	150	2,200	3,500	46,000	6,700	N	N	4.5
CG384	56 37 4	158 52 45	390	150	1,900	2,500	34,000	4,800	N	N	7
CG385	56 37 2	158 52 15	280	140	1,600	1,500	9,200	5,000	N	N	6.5
CG386	56 36 38	158 53 51	570	580	6,300	6,000	21,000	15,000	N	N	5.9
CG387	56 34 18	158 53 21	210	610	2,600	1,400	22,000	13,000	N	N	11
CG388	56 33 43	158 53 54	330	590	5,400	8,900	20,000	16,000	N	N	7.9
CG389	56 32 38	158 53 23	730	610	5,900	4,900	24,000	11,000	N	N	18
CG390	56 37 24	158 58 58	190	420	4,500	2,600	21,000	7,800	72	180	6.1
CG391	56 39 50	158 59 9	400	460	5,200	4,500	25,000	14,000	240	220	5.2
CG392	56 41 4	158 58 45	350	370	5,400	14,000	22,000	21,000	260	250	17
CG393	56 42 0	158 53 19	530	470	6,200	11,000	31,000	24,000	1,000	390	13
CG394	56 27 36	159 28 18	620	340	4,500	3,400	22,000	11,000	310	200	6
CG395	56 28 46	159 24 31	260	350	5,000	3,000	25,000	12,000	96	240	7.7
CG396	56 25 7	159 9 29	240	270	3,500	1,400	59,000	11,000	540	N(72)	6.1
CG397	56 21 50	159 8 20	260	330	4,500	2,000	40,000	11,000	190	180	7.3
CG398	56 26 13	159 14 21	230	340	3,900	2,500	27,000	8,400	150	240	9.3
CG400	56 27 52	158 12 2	590	280	3,400	3,000	21,000	11,000	1,000	220	N
CG401	56 28 50	158 17 10	860	810	8,600	8,800	29,000	19,000	140	310	N
CG402	56 29 38	158 21 7	350	930	4,100	2,400	39,000	22,000	610	340	N
CG403	56 26 58	158 24 37	410	640	6,500	9,000	23,000	17,000	260	430	N
CG405	56 19 52	158 30 6	3,000	2,400	23,000	21,000	87,000	40,000	1,200	1,200	N
CG407	56 17 23	158 38 8	280	520	5,600	3,500	26,000	9,100	85	190	N
CG409	56 11 19	158 36 34	440	490	6,100	5,500	27,000	14,000	230	260	N
CG411	56 26 6	158 38 4	600	520	8,700	17,000	36,000	31,000	400	380	N
CG412	56 25 55	158 41 50	720	510	7,600	11,000	37,000	25,000	1,900	460	N
CG413	56 29 35	158 41 50	730	400	5,700	4,200	29,000	12,000	470	220	N
CG414	56 29 22	158 43 15	420	520	6,800	4,600	34,000	16,000	200	320	N
CG415	56 28 23	158 43 55	360	370	4,600	2,100	70,000	14,000	820	120	N
CG416	56 29 30	158 45 29	360	420	5,600	2,700	50,000	13,000	270	210	N
CG417	56 28 47	158 48 0	380	530	5,400	3,800	36,000	11,000	280	300	N
CG420	56 32 37	158 51 10	470	360	3,500	3,100	29,000	6,600	740	270	N
CG422	56 31 43	158 49 10	540	220	2,500	4,300	68,000	6,200	2,300	510	N
CG423	56 27 32	158 56 19	520	420	5,700	5,800	31,000	14,000	710	320	N
CG424	56 19 37	158 55 20	630	390	4,200	4,900	16,000	8,800	650	270	N
CG425	56 19 20	158 53 36	850	760	8,500	9,300	31,000	18,000	900	410	N
CG428	56 2 34	160 29 36	630	280	2,900	5,200	41,000	12,000	1,900	1,400	N
CG429	56 2 48	160 29 23	480	290	5,300	3,700	58,000	8,700	5,600	290	N
CG430	56 2 48	160 24 48	500	300	3,200	4,000	40,000	22,000	2,300	470	N
CG431	56 1 43	160 22 24	600	280	4,100	3,700	31,000	23,000	2,200	330	N
CG432	56 0 57	160 19 55	550	540	3,900	5,000	36,000	13,000	820	620	N
CG434	56 1 28	160 7 4	700	380	3,900	5,400	26,000	11,000	2,100	370	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
CG364	7.3	N	N	51	4	8.6	N	N	550	N	10
CG365	5.7	N	N	37	3	7	N	N	350	N	11
CG366	.66	N	N	18	1.5	3.8	N	N	180	N	6.5
CG367	.87	1.1	N	10	1.1	2.2	N	N	200	N	11
CG368	.82	N	N	16	1.1	1.9	N	N	100	N	3.8
CG369	.32	.51	N	14	1.1	2.9	N	N	170	N	6.4
CG370	2.4	.19	N	23	1.2	2.8	N	N	230	N	3.5
CG371	9	N	N	27	2.9	6	N	N	280	N	11
CG372	3.1	.093	N	38	1.3	2.8	N	N	270	N	7.4
CG373	7.2	N	N	30	3	5.9	N	N	270	N	8.6
CG374	.77	.36	N	15	1.5	3.3	N	N	260	N	4.7
CG375	1.2	1.5	N	20	1.2	2.8	N	N	390	N	10
CG376	1.6	N	N	27	1.4	2.9	N	N	240	N	11
CG377	.7	N	N	25	1.3	3.3	N	N	340	N	5.2
CG378	.64	N	N	13	.85	2.2	N	N	230	N	4.7
CG379	.46	.91	N	18	1.4	2.4	N	N	310	N	5.2
CG380	2.5	.71	N	42	2.1	5.4	N	N	420	N	9
CG381	2.5	.82	N	42	2.7	7.4	N	N	440	N	4.7
CG382	1.1	N	N	44	2.3	5.2	N	N	1,200	N	11
CG383	.83	N	N	19	2.3	4.9	N	N	410	N	5.5
CG384	.69	N	N	17	1.6	3.7	N	N	300	N	7
CG385	2.4	.54	N	15	1.1	2.9	N	N	160	N	3.4
CG386	7.9	N	N	96	3	6.4	N	N	380	N	8.4
CG387	4.2	.52	N	27	4.8	11	N	N	400	N	6.4
CG388	13	.56	N	54	4	7.1	N	N	380	N	12
CG389	7.9	.22	N	30	3.2	7.5	N	N	410	N	10
CG390	12	N	25	50	3.2	7.4	3.9	1.3	260	35	14
CG391	6.9	N	53	87	3.7	7.4	3.6	2.1	330	52	7.6
CG392	16	N	67	38	2.6	4.7	3.9	.94	310	42	9.3
CG393	8.8	N	85	60	3.2	7.3	3.9	4.9	490	74	8.8
CG394	4.2	N	24	24	2.2	4.3	5.9	1.7	440	44	4.5
CG395	13	N	16	37	5	9.4	5.9	1.7	570	31	13
CG396	5.7	N	12	30	1.7	3.5	3.5	1.4	450	120	10
CG397	13	N	22	24	2.1	4.4	3.9	1.5	310	51	9.8
CG398	8.9	9.9	17	59	3.3	6.5	4	1.4	430	52	14
CG400	N	N	19	N	N	N	3.3	1.7	360	64	N
CG401	N	N	110	N	N	N	5.6	3.6	560	55	N
CG402	N	N	21	N	N	N	18	1.6	750	59	N
CG403	N	N	89	N	N	N	6.1	2	520	47	N
CG405	N	N	160	N	N	N	15	7.7	1,800	180	N
CG407	N	N	33	N	N	N	4.8	N	350	45	N
CG409	N	N	62	N	N	N	4.2	2.1	430	55	N
CG411	N	N	110	N	N	N	6.5	N	570	76	N
CG412	N	N	110	N	N	N	4.8	5.9	680	110	N
CG413	N	N	28	N	N	N	7.6	1.4	630	60	N
CG414	N	N	23	N	N	N	8.1	1.6	860	46	N
CG415	N	N	17	N	N	N	4.5	N	740	160	N
CG416	N	N	28	N	N	N	4.9	N	470	65	N
CG417	N	N	25	N	N	N	5.4	N	660	77	N
CG420	N	N	22	N	N	N	2.8	N	1,200	87	N
CG422	N	N	23	N	N	N	3.9	N	680	220	N
CG423	N	N	58	N	N	N	4.4	2.5	440	74	N
CG424	N	N	68	N	N	N	2.9	1.9	270	41	N
CG425	N	N	130	N	N	N	5.2	3.9	570	75	N
CG428	N	N	39	N	N	N	4.8	7.2	440	130	N
CG429	N	N	25	N	N	N	5.6	11	540	260	N
CG430	N	N	36	N	N	N	7.4	15	940	110	N
CG431	N	N	32	N	N	N	7.6	16	570	95	N
CG432	N	N	43	N	N	N	7.4	4.7	540	62	N
CG434	N	N	39	N	N	N	6.9	13	410	89	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
CG364	12	N	46	N	N	N	N	N	N	11	N
CG365	6.1	N	7.4	N	N	N	N	N	N	3.7	N
CG366	4.8	N	5.4	N	N	N	N	N	N	N	N
CG367	6.8	N	5.1	N	N	N	N	N	N	N	N
CG368	2.4	N	3.8	N	N	N	N	N	N	N	N
CG369	4.9	N	4.4	N	N	N	N	N	N	N	N
CG370	5.7	N	15	N	N	N	N	N	N	6.3	N
CG371	6.8	N	11	N	N	N	N	N	N	5.2	N
CG372	4.6	N	7.3	N	N	N	N	N	N	9.2	N
CG373	5.2	N	6.8	N	N	N	N	N	N	3.5	N
CG374	5.6	N	5.5	N	N	N	N	N	N	N	N
CG375	7.7	N	5.7	N	N	N	N	N	N	2.3	N
CG376	8.2	N	10	N	N	N	N	N	N	N	N
CG377	6.2	N	5.6	N	N	N	N	N	N	<1.5	N
CG378	5.5	N	7.8	N	N	N	N	N	N	3.5	N
CG379	5.8	N	24	N	N	N	N	N	N	4.1	N
CG380	7.8	N	15	N	N	N	N	N	N	3.9	N
CG381	5	N	7.8	N	N	N	N	N	N	<2.4	N
CG382	9.2	N	7.9	N	N	N	N	N	N	2.9	N
CG383	8.2	N	15	N	N	N	N	N	N	<2.4	N
CG384	7.2	N	15	N	N	N	N	N	N	2.1	N
CG385	3.4	N	8.5	N	N	N	N	N	N	5.6	N
CG386	7.4	N	22	N	N	N	N	N	N	<2.2	N
CG387	19	N	400	N	N	N	N	N	N	11	N
CG388	7	N	26	N	N	N	N	N	N	<1.8	N
CG389	7.8	N	23	N	N	N	N	N	N	4.4	N
CG390	8	15	17	46	N	20	N	N	N	4.8	N
CG391	7.8	8.2	16	45	N	N	N	N	N	N	N
CG392	6.9	9.3	23	45	N	N	N	N	N	N	N
CG393	8.6	7.1	25	48	N	N	N	N	N	N	N
CG394	11	4.9	43	52	N	9.6	N	2.6	N	17	N
CG395	8.8	14	20	47	N	6.1	N	N	N	13	N
CG396	9.8	8.3	36	56	N	<5.7	N	1.4	N	17	N
CG397	7.9	9.2	37	43	N	<5.4	N	1.3	N	19	N
CG398	9.2	14	16	53	N	<3.3	N	N	N	8.4	N
CG400	N	8.7	N	55	N	13	N	N	N	16	N
CG401	N	14	N	64	N	N	N	N	N	5.9	N
CG402	N	16	N	98	N	N	N	10	N	27	N
CG403	N	15	N	57	N	N	N	N	N	5.6	N
CG405	N	53	N	290	N	42	N	N	N	28	N
CG407	N	22	N	93	N	21	N	N	N	7.6	N
CG409	N	14	N	89	N	N	N	N	N	N	N
CG411	N	19	N	79	N	N	N	N	N	7.8	N
CG412	N	14	N	71	N	N	N	N	N	4.8	N
CG413	N	9.7	N	77	N	16	N	4.1	N	28	N
CG414	N	25	N	64	N	10	N	N	N	23	N
CG415	N	22	N	82	N	10	N	2.4	N	30	N
CG416	N	19	N	63	N	N	N	2	N	30	N
CG417	N	24	N	80	N	N	N	N	N	15	N
CG420	N	16	N	62	N	N	N	N	N	16	N
CG422	N	17	N	86	N	N	N	N	N	N	N
CG423	N	14	N	77	N	N	N	N	N	12	N
CG424	N	8.3	N	96	N	N	N	N	N	N	N
CG425	N	18	N	67	N	N	N	N	N	4.7	N
CG428	N	9.7	N	56	N	N	N	N	N	23	N
CG429	N	18	N	81	N	N	N	N	N	N	N
CG430	N	11	N	71	N	N	N	N	N	7.1	N
CG431	N	10	N	50	N	N	N	N	N	5.5	N
CG432	N	15	N	51	N	N	N	N	N	6	N
CG434	N	9.2	N	42	N	N	N	N	N	N	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
CG435	56 0 31	160 6 39	590	270	6,400	5,800	100,000	7,500	7,600	590	N
CG436	56 2 15	160 4 10	860	400	8,700	6,800	45,000	11,000	2,800	300	N
CG437	56 3 16	160 5 34	770	350	7,500	5,500	44,000	13,000	3,000	360	N
CG438	56 4 51	160 5 17	590	290	5,800	4,800	35,000	15,000	1,600	570	N
CG439	56 5 47	160 1 39	630	410	5,300	4,900	34,000	11,000	480	390	N
CG441	56 0 47	160 12 49	610	530	3,600	4,900	40,000	13,000	2,300	970	N
CG442	56 4 59	160 20 46	980	350	2,800	6,500	13,000	10,000	1,200	920	N
CG443	56 6 36	160 14 55	570	320	3,500	4,300	44,000	13,000	2,200	970	N
CG444	56 7 13	160 12 27	730	330	8,000	5,900	56,000	11,000	4,100	340	N
CG445	56 8 21	160 6 30	550	320	2,900	4,500	55,000	15,000	1,700	690	N
CG446	56 12 15	160 1 33	560	410	2,800	7,500	600,000	1,100	86	N	N
CG447	56 10 25	160 10 58	580	260	2,200	4,800	110,000	10,000	N	N	N
CG448	56 11 11	160 12 29	580	320	3,900	6,300	98,000	11,000	N	N	N
CG449	56 11 55	160 19 5	720	440	6,300	5,700	33,000	13,000	N	N	N
CG450	56 14 13	160 10 23	800	310	8,600	5,800	36,000	9,300	N	N	N
CG451	56 14 32	160 7 19	980	230	5,400	6,400	63,000	11,000	N	N	N
CG458	56 6 17	160 27 42	510	630	5,700	4,800	27,600	12,300	288	390	N
CG460	56 11 34	160 24 35	1,680	360	4,800	8,100	57,000	9,600	720	330	N
CG461	56 14 17	160 23 17	1,200	243	24,300	6,900	45,000	9,300	2,610	138	N
CG462	56 18 14	160 17 40	690	420	3,000	3,300	39,000	20,100	2,310	420	N
CG463	56 19 24	160 15 31	840	270	3,300	3,300	30,000	21,900	2,430	570	N
CG464	56 20 31	160 12 49	1,080	246	6,900	5,700	42,000	7,200	1,320	960	N
CG466	56 25 39	160 2 18	930	291	3,300	4,200	21,900	6,900	1,590	360	N
CG468	56 26 23	160 0 33	1,080	255	2,550	5,700	57,000	5,700	1,170	600	N
CG469	56 29 48	159 54 28	870	267	10,200	4,500	84,000	7,200	7,500	225	N
CG471	56 34 34	159 43 18	480	123	10,800	2,820	276,000	6,900	24,900	N	N
CG472	56 36 1	159 37 21	1,140	294	21,600	6,000	57,000	7,800	N	N	N
CG473	56 35 48	159 37 2	810	225	10,500	4,800	105,000	8,100	N	N	N
CG476	56 44 10	159 12 22	1,620	390	2,880	4,800	12,600	17,400	N	N	N
CG480	56 22 30	159 1 44	1,080	390	10,500	6,600	18,300	9,900	N	N	N
CG481	56 21 42	159 24 16	1,410	147	36,000	7,800	60,000	11,400	N	N	N
CG482	56 21 26	159 24 19	2,370	258	20,100	11,400	42,000	16,500	N	N	N
CG483	56 22 38	159 17 42	2,670	420	22,500	13,200	29,400	19,200	N	N	N
CG489	56 58 10	158 22 16	1,140	360	4,200	4,800	23,100	8,700	N	N	N
CG490	56 58 19	158 30 28	1,140	450	5,700	6,300	96,000	11,100	N	N	N
CG491	56 58 40	158 30 28	870	450	4,500	6,000	18,600	10,500	N	N	N
CG492	56 59 15	158 39 0	1,470	480	3,600	8,100	21,300	12,000	N	N	N
CG494	56 56 19	158 40 27	1,740	540	3,600	5,100	28,500	8,700	N	N	N
CG495	56 53 37	158 35 2	1,020	330	3,300	4,800	19,500	8,400	N	N	N
CG496	56 51 40	158 35 5	1,020	450	4,200	6,000	18,000	10,200	N	N	N
CG497	56 45 12	158 33 22	1,320	630	6,600	8,400	33,000	15,600	N	N	N
CG499	56 43 15	158 38 12	780	390	3,300	4,800	39,000	9,900	N	N	N
CG500	56 40 35	158 30 16	1,200	198	2,940	5,100	69,000	6,000	N	N	N
CG502	56 36 35	158 29 36	480	135	6,000	4,800	201,000	8,400	N	N	N
CG506	56 55 18	158 2 37	1,110	330	5,100	6,000	45,000	9,000	N	N	N
CG508	56 59 35	158 13 42	600	243	2,100	2,850	9,600	6,300	N	N	N
CG509	56 56 25	158 17 4	630	270	2,550	2,880	12,000	7,500	N	N	N
CG510	56 25 45	158 58 11	1,140	210	12,000	6,600	30,000	9,000	N	N	N
CG511	56 26 44	159 2 32	1,050	192	5,100	6,000	13,200	8,100	N	N	N
CG512	56 26 56	159 2 54	1,170	285	10,200	6,900	22,800	10,500	N	N	N
CG514	56 36 32	159 15 10	1,110	273	7,800	7,200	48,000	9,000	N	N	N
SW001	56 59 20	156 46 22	190	530	3,600	3,100	28,000	8,000	240	300	5.9
SW002	56 57 41	156 48 15	400	350	4,100	3,700	20,000	10,000	280	360	4.9
SW003	56 56 31	156 47 49	2,500	750	8,400	5,200	35,000	24,000	800	480	4.7
SW004	56 54 53	156 48 49	420	220	2,400	2,800	25,000	11,000	1,100	300	3.9
SW005	56 54 25	156 50 8	400	400	5,400	4,600	24,000	14,000	21	340	3.7
SW006	56 55 40	156 50 49	190	330	2,500	4,900	19,000	5,500	5.5	450	3.5
SW007	56 56 40	156 52 19	350	300	3,200	2,400	16,000	9,600	230	250	3.6
SW008	56 58 33	156 53 4	360	1,100	5,000	4,400	27,000	15,000	28	440	4.9
SW009	56 58 46	156 55 42	280	850	4,700	3,200	34,000	12,000	32	370	5.9

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
CG435	N	N	28	N	N	N	12	6.3	810	370	N
CG436	N	N	49	N	N	N	6.9	11	600	170	N
CG437	N	N	39	N	N	N	5.5	7.8	550	150	N
CG438	N	N	38	N	N	N	5.2	8.8	780	94	N
CG439	N	N	37	N	N	N	4.3	2.1	320	70	N
CG441	N	N	49	N	N	N	9.5	18	480	130	N
CG442	N	N	48	N	N	N	3.8	1.7	320	47	N
CG443	N	N	37	N	N	N	6.1	6.7	1,300	120	N
CG444	N	N	42	N	N	N	7	8.8	650	220	N
CG445	N	N	42	N	N	N	6.6	8.9	2,600	87	N
CG446	N	N	57	50	N	N	6.3	N	16,000	180	N
CG447	N	N	N	N	N	N	3.6	.9	1,700	N	N
CG448	N	N	N	N	N	N	5.8	5.2	2,400	N	N
CG449	N	N	N	N	N	N	4.4	2.2	380	N	N
CG450	N	N	N	N	N	N	3.9	2.1	1,700	N	N
CG451	N	N	N	N	N	N	3.6	4	1,200	N	N
CG458	7.2	.39	45	69	3.3	N	7.8	5.4	540	54	14.7
CG460	1.95	.078	54	33	N	N	2.19	2.1	390	48	5.7
CG461	.66	.138	45	12.6	N	N	2.88	1.98	570	159	20.7
CG462	.6	.48	36	132	4.2	N	9.9	24.9	1,290	123	10.5
CG463	2.55	.36	27.6	84	2.67	N	8.7	17.7	750	105	8.4
CG464	N	.081	39	26.7	N	N	3	2.85	600	63	6.6
CG466	.81	.123	27.3	27.3	1.26	N	5.1	7.5	231	66	3.9
CG468	N	.093	36	33	N	N	4.2	2.88	1,800	75	2.73
CG469	.39	.39	28.2	21.6	N	N	3.9	4.8	900	450	29.7
CG471	N	.81	11.7	4.5	N	N	4.2	N	1,200	1,080	66
CG472	.54	.222	N	9.6	N	N	3.3	2.52	600	N	20.4
CG473	1.02	.48	N	17.4	N	N	4.5	3.9	780	N	33
CG476	4.8	.3	N	17.7	1.38	N	5.4	6.6	168	N	3.9
CG480	1.41	.099	N	29.1	N	N	2.88	3.3	297	N	6.3
CG481	.45	.189	N	9.3	N	N	1.65	N	690	N	26.1
CG482	.6	.159	N	16.8	N	N	2.67	2.88	510	N	15.9
CG483	.87	.09	N	22.2	N	N	2.55	3.6	450	N	9.9
CG489	.75	.156	N	36	N	N	3.9	4.5	300	N	9
CG490	N	.39	N	54	N	N	6	3.9	840	N	36
CG491	2.22	.201	N	54	1.08	N	6.9	5.1	390	N	9.3
CG492	1.56	.156	N	69	N	N	5.1	2.97	480	N	6
CG494	1.71	.168	N	28.8	N	N	4.5	4.2	330	N	10.5
CG495	1.11	.138	N	33	N	N	4.2	4.2	270	N	6.9
CG496	1.71	.171	N	57	N	N	4.8	4.8	300	N	6.9
CG497	2.31	.282	N	111	N	N	6.3	9.9	540	N	14.1
CG499	1.62	.228	N	57	N	N	4.5	5.4	420	N	12.3
CG500	N	.063	N	36	N	N	3.3	N	300	N	3
CG502	N	.42	N	28.2	N	N	13.5	1.83	1,650	N	30
CG506	.75	.231	N	24.9	N	N	4.5	3.6	480	N	12
CG508	.84	.099	N	27.3	N	N	3.9	1.71	189	N	3.3
CG509	.69	.132	N	42	.99	N	4.5	4.8	243	N	3.6
CG510	.6	.069	N	22.2	N	N	2.67	2.58	420	N	5.7
CG511	1.47	.051	N	26.1	N	N	1.86	2.88	285	N	3
CG512	2.19	.09	N	33	N	N	3	2.94	276	N	6.6
CG514	.51	.117	N	36	N	N	4.2	3.3	510	N	4.2
SW001	3.4	.27	23	51	5.3	13	4.5	1.3	400	64	13
SW002	3	.18	44	60	5.5	14	5.5	2.5	360	50	8.7
SW003	4.3	3.2	67	98	7.9	19	11	6.2	500	89	15
SW004	2.1	N	27	51	3.5	9.4	4	4.6	390	67	8.3
SW005	3.8	.82	47	66	4.3	12	4.7	1.7	380	42	9.5
SW006	2	.39	41	78	5.1	13	6.6	.91	410	21	6.8
SW007	3.2	.59	23	28	3.4	8.7	3.4	1.5	310	48	10
SW008	6.1	.37	28	84	6.9	17	6.6	2.1	450	45	11
SW009	11	.97	23	100	6.4	14	5.6	.91	340	110	19

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
CG435	N	23	N	130	N	N	N	N	N	N	N
CG436	N	20	N	61	N	N	N	N	N	N	N
CG437	N	16	N	58	N	N	N	N	N	N	N
CG438	N	12	N	48	N	N	N	N	N	5.5	N
CG439	N	14	N	40	N	N	N	N	N	14	N
CG441	N	11	N	65	N	N	N	N	N	17	N
CG442	N	4.4	N	26	N	N	N	N	N	9.2	N
CG443	N	12	N	63	N	N	N	N	N	16	N
CG444	N	20	N	94	N	N	N	N	N	N	N
CG445	N	13	N	54	N	N	N	N	N	8.4	N
CG446	N	96	N	11	N	N	N	N	N	N	N
CG447	N	N	N	48	N	N	N	N	N	17	N
CG448	N	N	N	54	N	N	N	N	N	18	N
CG449	N	N	N	41	N	N	N	N	N	11	N
CG450	N	N	N	38	N	N	N	N	N	5.8	N
CG451	N	N	N	31	N	N	N	N	N	N	N
CG458	9.6	17.4	17.4	60	N	N	N	N	N	6	N
CG460	3.6	13.8	12	54	N	12.3	N	N	N	N	N
CG461	23.1	42	9.9	51	N	N	N	N	N	N	N
CG462	11.7	12.9	19.8	66	N	N	N	N	N	5.7	N
CG463	8.7	15.3	25.5	48	N	N	N	N	N	N	N
CG464	7.8	16.8	7.2	24.9	N	N	N	N	N	N	N
CG466	5.1	9.3	10.5	28.2	N	N	N	N	N	N	N
CG468	3.9	12.3	6	24.9	N	N	N	N	N	N	N
CG469	21	30	10.8	81	N	N	N	N	N	N	N
CG471	33	54	9.6	192	N	N	N	N	N	N	N
CG472	24	N	7.2	57	N	N	N	N	N	N	N
CG473	23.7	N	10.8	102	N	N	N	N	N	N	N
CG476	2.85	N	8.1	30	N	N	N	N	N	5.1	N
CG480	10.8	N	17.4	25.5	N	N	N	N	N	N	N
CG481	33	N	10.2	54	N	N	N	N	N	N	N
CG482	20.4	N	11.4	42	N	N	N	N	N	N	N
CG483	18.9	N	21	30	N	N	N	N	N	N	N
CG489	7.2	N	9.9	33	N	N	N	N	N	N	N
CG490	15	N	11.1	99	N	N	N	N	N	N	N
CG491	5.1	N	19.8	36	N	N	N	N	N	6.6	N
CG492	5.1	N	11.4	30	N	N	N	N	N	6.9	N
CG494	7.8	N	11.4	45	N	N	N	N	N	N	N
CG495	5.7	N	9.6	33	N	N	N	N	N	N	N
CG496	5.7	N	12.3	33	N	N	N	N	N	N	N
CG497	9.3	N	17.4	51	N	N	N	N	N	N	N
CG499	7.2	N	8.1	57	N	N	N	N	N	N	N
CG500	3.6	N	4.2	18.6	N	N	N	N	N	N	N
CG502	2.22	N	1.77	267	N	N	N	N	N	N	N
CG506	10.5	N	12.3	57	N	N	N	N	N	N	N
CG508	3.3	N	10.5	17.7	N	N	N	N	N	N	N
CG509	4.2	N	12.6	21.6	N	N	N	N	N	N	N
CG510	10.8	N	13.5	24	N	N	N	N	N	N	N
CG511	5.1	N	6.3	19.2	N	N	N	N	N	N	N
CG512	9.6	N	12.3	29.7	N	N	N	N	N	N	N
CG514	7.5	N	13.5	21.6	N	N	N	N	N	13.2	N
SW001	8	8.6	14	67	N(.59)	6.7	N	1.2	N	5.9	N
SW002	6.5	6.2	11	47	N	N	N	N	N	<2.2	N
SW003	9.3	17	16	75	N	N	N	N	N	N	N
SW004	5.5	5	6.9	49	N	N	N	N	N	N	N
SW005	11	9.5	15	49	N	N	N	N	N	N	N
SW006	8.4	11	14	43	N	3.3	N	.44	N	2.5	N
SW007	6.2	7.3	11	34	<.7	N	N	N	N	N	N
SW008	9.6	8.8	20	49	N	N	N	N	N	<3.1	N
SW009	8.8	14	18	50	N	<2.8	N	N	N	<3.5	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
SW010	56 59 10	156 58 28	330	660	5,300	4,800	27,000	15,000	11	420	5.9
SW011	56 57 35	156 57 57	600	790	9,500	5,400	27,000	20,000	9.8	330	6.4
SW012	56 56 8	156 56 23	340	520	2,400	2,600	22,000	9,200	200	290	7.8
SW013	56 55 6	156 57 53	150	470	1,800	1,900	21,000	4,100	24	310	8
SW014	56 55 9	156 59 38	140	560	2,000	2,200	27,000	4,400	8.6	360	8.1
SW015	56 56 49	157 2 8	460	880	5,700	4,600	32,000	13,000	17	420	8.4
SW016	56 59 36	157 3 17	200	1,300	3,700	3,500	24,000	9,600	9.6	360	6.5
SW017	56 58 36	157 7 13	690	410	2,300	3,300	36,000	14,000	220	290	5
SW018	56 57 30	157 6 31	360	1,100	6,800	3,700	33,000	13,000	180	380	6
SW019	56 56 8	157 5 46	270	490	3,300	2,700	27,000	7,600	58	320	6.4
SW020	56 55 25	157 9 42	450	610	4,300	3,300	33,000	13,000	580	330	8
SW021	56 56 28	157 16 13	410	460	5,100	5,700	22,000	11,000	100	310	7.8
SW022	56 58 24	157 18 7	200	590	5,600	4,700	20,000	13,000	95	310	6.2
SW023	56 54 2	157 14 52	440	830	4,300	3,000	38,000	16,000	650	300	6.6
SW024	56 54 15	157 5 45	290	610	6,700	4,200	26,000	14,000	430	340	7.3
SW025	56 56 27	157 9 42	91	240	2,800	1,800	13,000	4,000	38	210	6
SW026	56 56 33	157 9 31	160	670	4,700	2,400	16,000	8,800	26	210	5.7
SW027	56 52 14	157 5 21	170	290	3,800	2,100	24,000	8,900	650	260	4.8
SW028	56 52 39	157 12 47	310	690	5,400	2,800	27,000	12,000	390	310	5.4
SW029	56 49 39	157 10 53	160	360	3,900	2,000	19,000	9,400	130	270	4.8
SW030	56 46 23	157 11 2	410	360	3,500	2,500	16,000	10,000	620	200	7.1
SW031	56 47 49	157 14 47	130	280	4,500	2,100	22,000	11,000	190	310	21
SW032	56 47 56	157 16 6	330	420	8,300	3,400	19,000	12,000	250	290	18
SW033	56 49 33	157 18 18	100	220	3,800	2,500	13,000	6,400	12	270	6.3
SW034	56 52 44	157 19 25	170	300	2,600	2,000	15,000	7,200	75	190	7.1
SW035	56 54 19	157 20 48	170	440	3,500	3,600	19,000	9,800	13	250	6.6
SW036	56 55 9	157 21 53	170	370	3,100	5,500	14,000	9,100	160	310	24
SW037	56 56 25	157 21 58	140	470	4,900	3,100	19,000	9,300	100	250	4.4
SW038	56 56 17	157 22 5	250	540	4,200	9,700	14,000	15,000	230	260	43
SW039	56 57 20	157 20 36	180	580	4,600	4,500	19,000	11,000	94	230	5.8
SW040	56 56 30	157 28 32	83	380	4,100	2,100	15,000	7,400	27	220	4
SW041	56 54 58	157 28 30	430	750	3,500	9,700	16,000	15,000	160	340	9.9
SW042	56 54 55	157 26 38	220	440	3,300	10,000	11,000	14,000	140	230	15
SW043	56 53 21	157 27 10	210	440	3,300	8,400	16,000	13,000	500	300	26
SW044	56 54 3	157 30 7	200	370	3,200	10,000	9,600	13,000	170	200	87
SW045	56 53 51	157 30 10	220	390	2,700	11,000	13,000	14,000	350	240	30
SW046	56 57 49	157 27 11	150	390	4,900	3,500	16,000	10,000	180	230	10
SW047	56 58 7	157 26 34	110	340	4,000	3,800	15,000	8,500	75	220	5.6
SW048	56 58 22	157 26 41	730	350	7,700	7,100	48,000	15,000	1,800	22	N
SW049	56 58 21	157 30 27	150	240	3,500	2,500	17,000	10,000	13	260	4.8
SW050	56 57 41	157 30 48	160	520	5,300	2,700	21,000	12,000	30	250	5.3
SW051	56 57 38	157 30 11	80	300	4,000	1,900	16,000	8,300	23	180	5.1
SW052	56 56 13	157 32 24	110	240	2,200	2,400	9,500	5,800	8.6	160	4.5
SW053	56 55 59	157 32 20	68	230	3,000	1,500	12,000	5,800	87	160	4.7
SW054	56 56 7	157 31 58	73	230	2,900	1,500	12,000	5,800	25	150	4.9
SW055	56 58 36	157 36 28	170	350	2,600	2,900	14,000	7,700	64	200	5.1
SW056	56 58 32	157 36 39	180	340	3,900	4,000	20,000	12,000	24	290	4.7
SW057	56 59 7	157 37 17	150	230	2,400	2,200	14,000	7,700	120	240	4.2
SW058	56 58 33	157 39 2	310	460	3,700	4,400	22,000	14,000	230	310	5.2
SW059	56 59 35	157 46 30	350	300	2,000	4,000	11,000	10,000	710	270	8.2
SW060	56 58 14	157 43 32	310	310	2,600	3,800	15,000	10,000	760	280	4.9
SW061	56 57 0	157 44 49	210	330	3,300	3,800	21,000	10,000	600	290	4.2
SW062	56 56 51	157 41 56	160	270	2,100	2,700	12,000	6,300	130	200	4.7
SW063	56 55 54	157 42 17	260	310	2,600	3,100	13,000	8,700	130	250	5
SW064	56 46 12	157 31 27	530	350	6,500	5,400	37,000	15,000	280	290	6
SW065	56 45 52	157 37 37	730	340	3,500	5,000	27,000	11,000	680	230	7
SW066	56 47 56	157 36 25	840	380	8,400	8,400	28,000	14,000	390	230	6.8
SW067	56 48 29	157 37 33	860	370	5,500	6,100	26,000	15,000	780	160	6.7
SW068	56 49 55	157 37 23	120	390	3,100	3,300	15,000	6,300	19	200	6.2
SW069	56 50 21	157 35 17	150	440	4,800	4,400	16,000	12,000	230	240	29

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
SW010	7.2	.77	56	130	7.7	18	6.5	1.3	410	47	16
SW011	7	1.5	56	150	6.4	15	6.1	.92	350	41	22
SW012	8.4	2	30	120	4.1	9.2	4.3	1.2	300	47	12
SW013	2.8	1.8	17	79	3.4	8	4.4	.78	330	32	10
SW014	4.1	1.6	23	96	3.2	8.3	5.2	1.1	360	29	11
SW015	7.2	1.1	43	130	6.6	15	6.5	1.6	480	48	24
SW016	6.2	1	28	190	5.8	13	5.5	.81	410	36	14
SW017	2.6	N	32	23	4.5	11	6.4	2.3	280	61	8.7
SW018	22	N	28	45	6.1	13	5.6	1.5	300	82	32
SW019	3.8	N	27	77	5.2	12	5.2	1.4	360	40	15
SW020	6.9	N	34	95	5.2	12	5.9	3.8	810	84	20
SW021	7.7	N	42	46	4.7	10	4.9	.98	350	44	17
SW022	18	N	47	57	4.6	9.6	4.6	1.5	290	38	18
SW023	7.1	N	35	67	5.6	12	5.3	2.9	410	85	17
SW024	17	N	75	160	6.1	12	8	2.4	400	49	19
SW025	3	N	17	40	3	7.7	3.6	1.2	260	25	10
SW026	14	.064	29	57	3.3	7.7	4	1.4	200	26	16
SW027	9.3	.042	28	84	3.1	6.9	3.5	3.4	390	43	12
SW028	14	N	38	40	3.7	8.8	4.2	1.2	350	56	20
SW029	13	.22	18	44	3	7.4	3.9	.76	300	28	13
SW030	5.8	.77	20	32	2.5	6.4	2.7	3	270	42	12
SW031	15	N	19	50	3.4	8.9	4.6	1.4	340	34	15
SW032	12	N	34	41	3.1	7.4	3.3	.86	290	35	24
SW033	10	N	14	42	2.6	6.9	3.7	.7	310	22	10
SW034	6.8	N	24	29	2.4	5.7	2.3	1.1	300	32	7.3
SW035	4.1	.24	35	110	4.8	12	4.7	1.1	310	27	10
SW036	7	.52	52	33	4.3	8.6	3.7	.73	230	30	10
SW037	15	N	51	71	4.7	10	5.5	1.8	320	33	15
SW038	11	.11	65	42	4.1	8.1	4	.43	290	31	12
SW039	15	N	53	58	4.6	9.5	4.6	1.3	300	34	17
SW040	12	N	37	67	3.7	8.8	4.2	1.5	250	28	16
SW041	6.7	.81	60	39	5.6	12	5.3	N	340	33	12
SW042	8.4	.52	68	24	3.7	6.6	3.4	N	230	25	9.5
SW043	8.2	.17	80	43	4.1	8.1	3.5	1.3	280	42	11
SW044	7.6	.23	59	16	2.9	5.3	2.5	N	190	22	9.3
SW045	6	.71	77	23	5.6	10	2.3	N	200	37	10
SW046	17	.24	83	38	3.7	8.3	4.9	1.3	290	33	16
SW047	12	.33	38	32	3.6	7.5	4.1	.75	260	28	14
SW048	3.2	.89	70	84	6.1	9.7	6.9	12	610	190	24
SW049	6.9	N	25	79	5.1	12	6.2	.78	400	27	7.8
SW050	12	.43	35	95	4.6	11	4.5	1.4	350	37	19
SW051	18	.068	47	71	3	6.8	3.4	1	270	28	15
SW052	4.1	N	26	74	4	9.4	2.8	.43	190	18	6.4
SW053	9.8	.16	21	36	2.6	5.7	2.6	1	190	26	11
SW054	10	N	20	40	2.6	5.6	2.8	.62	210	22	12
SW055	5.8	N	43	91	4.8	10	3.4	.64	260	30	6.7
SW056	7.9	N	53	150	6.1	14	4.9	.71	340	36	11
SW057	4.1	N	19	68	4.3	10	3.7	1.2	280	29	6.6
SW058	8.2	1.9	64	170	6.3	14	5.3	2.1	360	46	10
SW059	4.9	N	30	47	2.9	6.9	3.6	2.5	240	33	9.1
SW060	4.9	N	37	73	3.9	9.1	3.7	3.1	260	44	7.8
SW061	4.7	N	36	85	4.8	11	4.1	2.9	320	55	11
SW062	4	.25	37	85	4.6	10	3.2	1.3	210	26	6.3
SW063	4	.16	34	95	4.3	9.9	3.6	1.7	250	29	7.2
SW064	10	N	39	68	6.5	14	7.4	1.5	600	81	32
SW065	1.6	N	45	48	3	6.8	3.9	3.9	370	86	11
SW066	3.6	.48	78	73	3.9	8.4	4.8	9.2	390	84	16
SW067	3.2	.39	67	68	2.5	5.4	3.3	8.9	320	100	14
SW068	6.6	N	53	71	3.2	7.5	4.1	1.3	240	25	9.4
SW069	15	N	77	52	3.8	8.1	4	1.7	280	33	16

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
SW010	9.9	14	24	60	N	<3	N	N	N	<3.1	N
SW011	10	23	24	60	N	N	N	N	N	N	N
SW012	6.9	13	18	45	N	<2.6	N	.49	N	8.7	N
SW013	8.3	17	22	58	N	4.3	N	.66	N	6	N
SW014	9.7	21	24	80	N	5.3	N	.6	N	14	N
SW015	11	27	26	63	N	<2.6	N	N	N	9.2	N
SW016	10	18	29	70	N(.6)	5.7	N	.4	N	12	4.1
SW017	7.3	7.5	19	45	N	N	N	N	N	<3.9	N
SW018	9.4	21	25	60	N	N	N	N	N	<3.3	N
SW019	8.5	19	26	59	N	<3.6	N	.44	N	21	N
SW020	10	19	21	59	N	N	N	N	N	6	N
SW021	8	14	28	46	N	N	N	N	N	6.4	N
SW022	7.5	15	22	45	N	N	N	N	N	<2.6	N
SW023	9.2	13	59	51	N	N	N	1.2	N	37	N
SW024	8.7	16	28	62	N	N	N	N	N	27	N
SW025	6.2	14	15	34	N	2.7	N	.46	N	4.4	N
SW026	5.9	15	21	40	N	N	N	N	N	2.7	N
SW027	5.9	12	16	47	N	N	N	N	N	6.4	N
SW028	9.5	18	39	50	N	<3.5	N	N	N	51	N
SW029	7.4	17	18	46	N	4.8	N	N	N	6.7	N
SW030	6.5	13	18	33	N	<2.6	N	.36	N	25	N
SW031	8.2	29	28	61	N	6.9	N	N	N	6.4	N
SW032	8.7	26	29	46	N	<3.5	N	N	N	22	N
SW033	6.7	15	18	56	N	5.6	N	N	N	8	N
SW034	6	6.5	40	41	N	4.8	N	.51	N	19	N
SW035	7	11	17	50	N	<3.8	N	N	N	3	N
SW036	4.6	8.9	14	26	N	N	N	N	N	2.8	N
SW037	8	15	25	49	N	N	N	N	N	3.2	N
SW038	5.5	9.4	18	35	N	N	N	N	N	N	N
SW039	7.3	15	21	42	N	<2.9	N	N	N	<2.4	N
SW040	7.8	17	20	40	N	<2.6	N	N	N	3.8	N
SW041	6.3	10	19	35	N	N	N	N	N	4.6	N
SW042	4.8	8.3	14	27	N	N	N	N	N	N	N
SW043	5.2	8	14	32	N	N	N	N	N	<2.2	N
SW044	4.1	7.9	12	23	N	N	N	N	N	N	N
SW045	4.1	7.2	12	22	N	N	N	N	N	N	N
SW046	7.7	13	20	44	N	N	N	N	N	3.6	N
SW047	6.8	14	17	41	N	N	N	N	N	2.8	N
SW048	14	14	33	69	N	11	N	N	N	9.3	N
SW049	9.6	10	15	51	N	<3.6	N	N	N	4.1	N
SW050	8.9	20	24	67	N	N	N	N	N	3.3	N
SW051	6.6	13	17	41	N	N	N	N	N	3.3	N
SW052	4.5	6.7	10	37	N	3.4	N	N	N	1.6	N
SW053	5.2	11	13	29	N	N	N	N	N	2.7	N
SW054	5.4	10	14	29	N	N	N	N	N	2.7	N
SW055	4.9	7.3	8.7	51	N	<3.3	N	N	N	<1.6	N
SW056	7.5	9.9	17	50	N	<3.2	N	N	N	<2.1	N
SW057	5.2	6.9	10	44	N	3.6	N	N	N	2.2	N
SW058	7.2	12	16	53	N	N	N	N	N	<1.6	N
SW059	3.9	6.6	9.1	31	N	N	N	N	N	N	N
SW060	5.1	7.1	11	47	N	N	N	N	N	N	N
SW061	6.7	9	13	50	N	<2.7	N	N	N	<1.6	N
SW062	4.9	7	9	41	N	3.9	N	N	N	1.9	N
SW063	5.3	7.5	13	36	N	<3	N	N	N	<1.7	N
SW064	14	13	43	77	N	11	N	N	N	22	N
SW065	7.5	5.2	14	37	N	N	N	N	N	N	N
SW066	9.4	9.4	27	37	N	N	N	N	N	N	N
SW067	9	7.2	23	34	N	N	N	N	N	N	N
SW068	6.1	8.9	17	38	<.63	2.9	N	N	N	2.8	N
SW069	7	13	19	40	<.59	N	N	N	N	<2.9	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
SW070	56 50 8	157 32 28	170	450	4,900	4,000	19,000	12,000	94	260	7.4
SW071	56 52 15	157 33 16	300	510	4,500	6,100	16,000	14,000	440	260	27
SW072	56 51 42	157 31 53	200	370	3,200	10,000	13,000	14,000	290	280	55
SW073	56 51 18	157 29 4	230	340	3,900	8,600	13,000	12,000	360	280	12
SW074	56 48 21	157 31 22	200	330	3,800	3,200	23,000	10,000	670	260	4.6
SW075	56 47 56	157 31 33	390	220	3,900	3,700	26,000	8,700	1,100	160	4.5
SW076	56 47 35	157 29 44	250	180	2,500	2,100	14,000	8,900	500	240	4.1
SW077	56 49 38	157 40 11	670	410	4,200	6,400	13,000	11,000	180	180	4.4
SW078	56 51 19	157 41 25	200	690	6,200	5,100	26,000	16,000	94	290	8.4
SW079	56 52 20	157 41 0	290	560	4,700	3,500	17,000	12,000	50	270	3.9
SW080	56 53 23	157 38 58	180	420	5,400	3,800	30,000	12,000	550	260	4.7
SW081	56 53 21	157 38 43	160	270	4,100	2,000	19,000	9,300	600	280	4.7
SW082	56 52 30	157 39 53	120	290	3,800	2,400	13,000	7,500	170	210	5.3
SW083	56 47 17	157 42 38	470	170	1,800	2,800	15,000	6,600	1,100	170	7.2
SW084	56 44 18	157 39 12	560	250	3,400	4,100	16,000	9,200	700	170	6.6
SW085	56 43 27	157 40 36	470	240	3,500	3,600	14,000	8,500	460	180	6.3
SW086	56 42 34	157 36 51	310	130	3,500	3,000	11,000	5,600	290	110	5.3
SW087	56 42 2	157 36 43	580	180	5,200	5,100	11,000	7,600	91	120	5.3
SW088	56 39 52	157 35 44	550	490	4,100	3,700	34,000	15,000	850	290	4.9
SW089	56 39 54	157 35 55	1,200	410	13,000	13,000	34,000	22,000	320	240	4.8
SW090	56 40 25	157 31 43	530	330	3,800	3,700	27,000	15,000	900	310	6.8
SW091	56 40 0	157 29 43	560	570	5,400	3,800	28,000	17,000	500	280	3.7
SW092	56 38 4	157 27 20	390	450	7,900	2,300	35,000	16,000	130	230	3.8
SW093	56 37 2	157 30 50	330	670	5,200	2,800	40,000	14,000	230	260	3.1
SW094	56 37 53	157 36 26	1,300	510	11,000	12,000	33,000	20,000	250	220	4
SW095	56 38 52	157 41 11	420	260	4,700	4,400	16,000	10,000	160	250	4.4
SW096	56 39 33	157 41 34	850	320	6,600	6,300	21,000	15,000	440	210	5.3
SW097	56 38 16	157 37 30	530	300	7,000	8,100	14,000	9,000	72	170	3.7
SW098	56 34 43	157 14 16	480	290	13,000	6,000	28,000	13,000	150	460	4.6
SW099	56 31 50	157 16 46	320	170	2,500	3,400	19,000	5,400	410	420	6.7
SW100	56 32 5	157 14 43	430	200	4,500	3,900	27,000	9,000	250	350	8.1
SW101	56 32 8	157 11 4	740	290	4,600	4,700	21,000	13,000	490	370	6.9
SW102	56 32 19	157 8 58	180	83	690	1,800	5,700	1,200	300	300	8.6
SW103	56 33 27	157 7 19	260	120	3,300	2,300	21,000	5,100	990	250	7.7
SW104	56 33 8	157 4 54	310	190	2,700	2,400	13,000	5,800	340	320	8
SW106	56 43 21	157 57 42	520	190	5,200	4,000	19,000	10,000	650	190	7.7
SW107	56 41 55	157 48 1	700	350	4,800	5,400	23,000	9,900	N	N	6.4
SW108	56 44 14	157 46 21	450	180	2,100	3,000	19,000	7,400	N	N	6.7
SW109	56 42 53	157 44 19	790	300	4,500	5,600	20,000	13,000	N	N	5.2
SW110	56 40 11	157 43 45	450	230	4,000	4,000	16,000	9,100	N	N	5.5
SW111	56 43 1	157 44 31	620	260	2,800	4,600	27,000	12,000	N	N	8.6
SW112	56 39 27	157 55 2	260	170	3,400	2,600	14,000	4,700	N	N	6.6
SW113	56 39 50	157 50 57	620	240	4,000	4,600	16,000	7,300	N	N	5.6
SW114	56 39 37	157 54 40	350	130	4,000	3,000	17,000	5,700	N	N	5.3
SW115	56 38 34	157 57 7	550	150	3,900	3,400	13,000	6,300	N	N	6.3
SW116	56 37 14	157 57 4	490	250	3,900	2,700	22,000	6,600	N	N	5.6
SW117	56 32 18	157 56 51	490	220	3,800	3,500	15,000	8,700	N	N	5.5
SW118	56 32 8	157 57 32	360	170	2,000	2,700	11,000	5,300	N	N	5.8
SW119	56 32 25	157 50 22	340	130	1,900	2,200	15,000	5,900	N	N	5.5
SW120	56 33 48	157 53 30	240	140	2,200	2,100	15,000	7,800	N	N	6.3
SW121	56 30 18	157 49 41	420	200	2,200	2,200	26,000	6,400	N	N	5.9
SW122	56 31 16	157 52 41	420	190	3,800	3,300	16,000	8,700	N	N	5.8
SW123	56 29 11	157 55 13	470	180	3,500	3,700	20,000	9,000	N	N	5.9
SW124	56 31 20	157 52 37	430	220	2,000	2,300	16,000	9,200	N	N	6
SW126	56 29 17	157 51 27	530	230	4,500	4,600	24,000	11,000	N	N	5.9
SW127	56 21 15	157 51 35	490	440	4,600	7,400	33,000	16,000	950	370	N
SW128	56 30 7	157 58 31	570	290	4,200	4,500	16,000	7,100	N	N	6.4
SW129	56 20 37	157 49 36	390	250	4,300	3,600	39,000	12,000	1,700	190	N
SW130	56 20 52	157 49 21	430	220	3,500	3,600	43,000	13,000	2,700	64	N
SW131	56 19 38	157 48 54	380	260	3,500	2,700	40,000	15,000	1,200	98	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
SW070	13	N	69	110	4.6	10	4.4	.95	310	34	16
SW071	11	N	70	43	4.4	8.7	3.7	1	290	40	14
SW072	6.1	N	74	37	3.8	7.6	2.8	N	250	34	9.9
SW073	6.5	.88	67	29	4.3	8.1	3	.58	250	37	12
SW074	6.8	N	47	80	4.5	10	4.5	2.7	390	50	12
SW075	1.5	N	35	49	2.7	6.5	3.4	5.1	320	110	15
SW076	3.7	N	21	54	2.9	6.9	3.1	2.9	340	34	5.4
SW077	4.1	N	51	45	2.6	5.4	3.7	2.5	280	36	8.5
SW078	23	1.2	84	97	5.8	12	5.7	1.3	350	50	21
SW079	3.7	N	50	130	5	11	4	1.7	310	38	14
SW080	7.9	.19	49	97	4.7	10	4.8	3	410	64	17
SW081	5	N	14	39	3.7	8.4	4.2	3.5	340	45	14
SW082	6	N	35	46	3.7	7.7	3	1.7	240	32	13
SW083	.89	N	21	29	2.2	5.3	2.6	5	220	61	5
SW084	1.6	N	40	41	2.1	4.4	2.6	4.2	260	69	9.2
SW085	1.7	N	36	43	2.3	4.9	3.2	4.4	240	49	8.2
SW086	1.2	N	26	24	1.5	3.2	1.9	1.8	200	48	6.7
SW087	2.4	N	37	18	1.7	4	2.5	1.3	220	28	6.3
SW088	5.4	N	34	74	4.5	10	5	6	480	65	9.7
SW089	8.5	N	97	59	3.6	7.3	5.7	4.2	460	72	18
SW090	4.8	1.5	25	39	4.1	9.5	5.2	6	520	55	14
SW091	5.2	N	37	51	3.5	8.2	4.9	4.2	390	55	13
SW092	5.4	N	52	32	3.8	8.4	6.9	1.5	550	45	23
SW093	4.1	N	39	31	2.9	6	4.4	1.7	250	60	16
SW094	6.2	N	89	57	3.6	7.3	5.3	2.6	520	64	13
SW095	2.1	N	44	61	3.5	7.9	4.2	3.9	350	38	9.5
SW096	4.4	N	56	45	3.3	7.5	4.5	3	340	53	11
SW097	2.2	N	47	27	2	4.1	3.1	2.2	350	35	8.4
SW098	6.4	N	61	61	11	23	5.8	3.5	560	58	35
SW099	1.2	.05	26	43	6.3	14	3.1	2.4	350	48	17
SW100	1.6	N	34	40	5.6	12	3.3	2.8	340	39	18
SW101	2.5	N	44	44	5.5	13	3.5	4.1	290	47	20
SW102	.6	N	8	6.8	2.8	5.7	1.1	.69	58	24	12
SW103	1.1	N	18	23	3.3	8.1	2.1	3	280	91	36
SW104	.67	.43	20	29	3.6	7.8	2.3	2.8	240	30	11
SW106	3.9	N	32	23	2.3	5.4	3.3	3.8	330	61	9.6
SW107	3.8	1.9	N	88	5	11	N	N	460	N	9.7
SW108	2	N	N	37	2.6	6.5	N	N	270	N	7.8
SW109	4.7	N	N	56	3.4	7.8	N	N	340	N	10
SW110	2.3	N	N	46	3.2	7.4	N	N	320	N	7
SW111	2.8	4.4	N	62	3.8	9	N	N	390	N	10
SW112	1.4	N	N	24	3	7	N	N	270	N	10
SW113	2	N	N	52	3.4	7.5	N	N	340	N	8.5
SW114	1.1	N	N	25	3.1	6.8	N	N	310	N	8.1
SW115	2	N	N	20	2.5	5.7	N	N	250	N	7.6
SW116	2.1	N	N	34	3.1	6.9	N	N	290	N	11
SW117	2.1	N	N	43	4.8	11	N	N	290	N	8.4
SW118	1.4	N	N	28	3.1	7.5	N	N	210	N	4.4
SW119	2.1	N	N	28	2.2	5.7	N	N	230	N	5.7
SW120	1.9	N	N	46	2.8	7.7	N	N	410	N	5.1
SW121	1.2	N	N	33	2.5	6.1	N	N	310	N	6.9
SW122	2.6	N	N	36	3.8	8.4	N	N	300	N	8.4
SW123	3.6	N	N	31	2.7	6.4	N	N	270	N	11
SW124	2	N	N	42	2.9	6.8	N	N	280	N	5.3
SW126	4.9	1.6	N	71	4.2	9.8	N	N	440	N	12
SW127	5.7	.69	58	150	11	15	9.3	4	780	69	16
SW128	2.2	2.1	N	42	3.9	8.6	N	N	320	N	11
SW129	3.8	.6	32	54	5.8	10	5.2	6.3	670	95	13
SW130	3.2	.73	30	79	5.2	8	5.6	9.6	620	130	11
SW131	3.3	.59	15	33	6	6.7	8.3	7.6	830	69	10

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
SW070	7.5	13	20	43	N	N	N	N	N	3.8	N
SW071	6.3	11	18	41	<.64	N	N	N	N	N	N
SW072	4.8	8.2	15	32	N	N	N	N	N	N	N
SW073	5.1	9.2	16	29	<.5	N	N	N	N	N	N
SW074	6.6	9	13	49	N	N	N	N	N	<2.5	N
SW075	7.6	5.6	11	44	N	N	N	N	N	N	N
SW076	4.5	5	10	32	N	N	N	N	N	N	N
SW077	5.9	6.3	14	25	N	N	N	N	N	N	N
SW078	9.1	16	23	51	N	N	N	N	N	<2.6	N
SW079	7.6	12	19	42	<.62	N	N	N	N	N	N
SW080	8.8	14	25	58	N	N	N	N	N	<3.3	N
SW081	6.6	12	18	40	N	N	N	N	N	<2.1	N
SW082	5.7	12	14	33	<.46	N	N	N	N	<1.8	N
SW083	4.4	4.1	6	30	<.56	N	N	N	N	N	N
SW084	6	4.7	12	27	<.59	N	N	N	N	N	N
SW085	5.7	4.8	15	23	<.51	N	N	N	N	N	N
SW086	4.9	4.4	10	20	<.43	N	N	N	N	N	N
SW087	6.2	6.7	18	18	<.43	N	N	N	N	N	N
SW088	9	9.5	42	86	N	14	.31	.39	N	37	N
SW089	13	13	45	37	N	N	N	N	N	N	N
SW090	7.9	8.6	31	84	N	14	N	N	N	72	N
SW091	10	8.3	120	47	N	<3.1	N	.77	N	28	N
SW092	23	14	270	180	N	47	.53	2.8	N	260	N
SW093	13	9.1	350	38	N	8.7	1.4	4.5	N	65	N
SW094	13	12	42	41	N	N	N	N	N	9.4	N
SW095	7.1	6.2	18	33	<.62	N	N	N	N	<1.6	N
SW096	8.4	8.1	28	30	N	N	N	N	N	N	N
SW097	9.3	11	31	33	<.64	N	N	N	N	15	N
SW098	11	24	31	48	N	8	N	N	N	6	N
SW099	6.3	10	12	33	N	<2.6	N	N	N	4.1	N
SW100	6.6	14	16	35	N	N	N	N	N	3.2	N
SW101	6.3	11	15	33	N	N	N	N	N	<1.5	N
SW102	1.8	2.7	2.9	9.4	N	N	N	N	N	N	N
SW103	7	11	9.4	38	N	N	N	N	N	N	N
SW104	4.8	9	8.4	21	<.51	N	N	N	N	2.1	N
SW106	7.1	6.5	22	33	N	N	N	N	N	<2	N
SW107	8.5	N	28	N	N	N	N	N	N	4.4	N
SW108	4.9	N	8.9	N	N	N	N	N	N	N	N
SW109	6.7	N	20	N	N	N	N	N	N	N	N
SW110	6.8	N	19	N	N	N	N	N	N	N	N
SW111	7.4	N	17	N	N	N	N	N	N	<2.4	N
SW112	5.5	N	13	N	N	N	N	N	N	3.8	N
SW113	6.4	N	12	N	N	N	N	N	N	4.2	N
SW114	6.3	N	12	N	N	N	N	N	N	2.2	N
SW115	5.3	N	12	N	N	N	N	N	N	N	N
SW116	6.6	N	14	N	N	N	N	N	N	<2	N
SW117	5.3	N	15	N	N	N	N	N	N	N	N
SW118	3.9	N	15	N	N	N	N	N	N	N	N
SW119	4	N	6.1	N	N	N	N	N	N	2	N
SW120	4.5	N	8.6	N	N	N	N	N	N	2.8	N
SW121	5.3	N	6.9	N	N	N	N	N	N	<2.1	N
SW122	5.9	N	16	N	N	N	N	N	N	<2.3	N
SW123	7.1	N	17	N	N	N	N	N	N	N	N
SW124	5	N	14	N	N	N	N	N	N	3.6	N
SW126	7.3	N	19	N	N	N	N	N	N	<3.1	N
SW127	9.3	14	27	73	N	25	N	N	N	24	N
SW128	6.8	N	23	N	N	N	N	N	N	<1.5	N
SW129	10	13	20	71	N	27	N	N	N	19	N
SW130	9.7	11	25	90	N	28	N	N	N	14	N
SW131	12	11	35	240	N	43	N	1.4	N	28	N

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	Latitude	Longitude	ICP-Na	ICP-K	ICP-Mg	ICP-Ca	ICP-Fe	ICP-Al	ICP-Ti	ICP-P	ICP-B
SW132	56 44 47	157 54 34	300	410	8,200	6,400	35,000	15,000	23	410	7.9
SW133	56 44 23	157 48 35	260	250	4,200	2,900	18,000	9,200	45	200	6
SW134	56 46 30	157 50 23	340	160	2,500	2,700	13,000	6,200	520	230	7.2
SW135	56 46 31	157 46 54	340	170	2,000	2,400	16,000	6,300	1,000	220	9
SW136	56 46 33	157 45 6	370	220	2,800	3,300	12,000	8,400	350	190	7
SW137	56 52 15	157 43 26	160	270	2,200	3,300	11,000	6,500	9	150	6.8
SW138	56 52 36	157 44 45	200	230	2,300	2,400	10,000	6,100	58	180	7
SW139	56 49 4	157 43 40	460	220	3,000	4,200	13,000	8,900	210	140	6.8
SW140	56 50 31	157 47 42	240	350	3,200	3,500	22,000	9,000	290	240	5.9
SW141	56 50 19	157 47 45	330	200	3,000	3,700	16,000	6,600	140	150	5.9
SW142	56 50 6	157 52 7	140	220	3,600	2,400	13,000	6,600	140	190	7.2
SW143	56 48 1	157 52 37	320	220	3,600	2,800	24,000	6,100	1,400	220	6.5
SW144	56 48 12	157 56 55	180	170	2,600	2,300	12,000	5,500	250	200	6.2
SW145	56 49 51	157 58 17	370	210	2,800	3,500	27,000	6,200	2,300	250	7.4
SW146	56 50 45	157 54 12	160	51	790	1,200	6,300	2,100	460	52	9.3
SW147	56 51 54	157 57 43	340	170	1,600	3,000	6,200	4,700	350	120	7.4
SW148	56 53 50	157 53 25	320	260	2,200	2,900	9,900	6,500	350	190	6.9
SW149	56 54 47	157 52 45	350	390	3,200	4,200	13,000	10,000	250	240	6.6
SW150	56 54 56	157 55 12	260	290	2,300	4,100	14,000	7,600	920	220	16
SW151	56 55 47	157 53 32	260	540	3,600	5,100	14,000	12,000	150	210	6.1
SW152	56 57 9	157 54 42	180	380	3,200	3,500	20,000	11,000	42	230	4.3
SW153	56 56 24	157 40 51	460	420	2,900	4,200	20,000	9,100	480	220	5.6
SW154	56 56 12	157 40 43	180	300	3,200	2,100	14,000	8,200	160	210	4.3
SW155	56 56 26	157 48 10	380	330	3,100	3,900	20,000	8,600	990	290	5.5
SW156	56 56 31	157 49 52	150	340	2,700	3,100	12,000	7,500	190	200	5.5
SW157	56 57 6	157 49 23	310	250	2,700	3,000	16,000	6,500	470	190	4.3
SW158	56 59 58	157 50 50	230	370	2,500	4,000	13,000	8,900	170	210	4.8
SW159	56 59 55	157 54 2	330	280	2,000	2,900	11,000	7,200	300	210	4.7
SW160	56 58 4	157 55 25	84	88	1,100	1,300	7,900	2,300	350	110	6.4
SW161	56 59 9	157 58 50	360	170	2,500	2,600	20,000	4,300	1,500	180	6.6

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Li	ICP-Be	ICP-Sr	ICP-Ba	ICP-La	ICP-Ce	ICP-Y	ICP-Zr	ICP-Mn	ICP-V	ICP-Cr
SW132	7.2	3.8	37	33	7.1	15	8.7	1.6	520	35	8.7
SW133	8.7	.13	15	31	3.4	7.1	3.2	.81	400	26	9.7
SW134	1.3	N	18	31	2.1	4.6	2.6	3.5	240	29	5.6
SW135	1.3	1.5	18	33	2.4	5.7	2.9	4.3	240	49	6.4
SW136	1.9	N	33	57	2.8	6.2	3.2	3.8	220	35	5.4
SW137	2.7	N	51	150	3.3	7.9	2.6	1.6	180	17	5.5
SW138	2.1	N	32	99	3.3	7.5	3	1.8	200	21	5.6
SW139	3.2	N	45	59	2.2	4.7	2.9	2.6	200	39	6.4
SW140	4	N	37	120	5.5	13	4.4	2.2	320	44	8.8
SW141	1.5	N	28	55	2.6	6.3	2.9	1.8	240	47	11
SW142	3.8	.19	21	28	2.9	6	2.8	1.1	220	29	11
SW143	2.4	N	17	21	2.3	5.2	2.9	2.9	270	84	9.8
SW144	2.6	N	16	27	2.6	5.5	3	1.3	210	32	8.8
SW145	2.4	N	24	15	2	4.6	2.6	2.5	280	97	8.9
SW146	.61	1.2	8	5.3	.7	N	.7	.87	81	27	2.2
SW147	1.4	1	18	14	1.3	2.7	1.7	2.6	130	19	2.4
SW148	2.7	.35	28	49	2.6	5.8	2.5	2	160	27	5.8
SW149	4.5	1.1	40	63	3.6	7.9	3.4	1.7	220	29	8.5
SW150	3.3	N	33	17	2.6	5.4	2.2	1.8	180	48	5.8
SW151	5.5	2.3	93	110	4.9	10	3.7	1.8	250	27	9.3
SW152	5.5	N	52	140	5.6	13	3.9	1.3	290	32	10
SW153	3.6	2.1	62	71	4.6	11	3.9	2.7	240	48	7.7
SW154	5.1	N	20	66	3.5	8	3.2	1.6	240	29	12
SW155	3.5	N	31	50	3.5	8.5	3.4	3	260	53	8.8
SW156	4.4	N	38	64	3.5	8.1	2.6	1.4	200	29	8.7
SW157	1.7	N	28	67	3.2	7.2	3.2	3.1	220	42	5.2
SW158	3.6	.35	67	78	4.2	10	3.2	2	220	28	6.6
SW159	2.6	N	30	52	2.8	6.9	2.9	2.3	200	26	4.9
SW160	.75	.96	12	60	1.4	3.6	1.4	1	120	31	3.4
SW161	.89	N	17	17	1.6	4.6	2.2	3	220	78	8.3

Table 2. Aqua-regia leachate data for minus-80-mesh stream sediments from the Chignik and Sutwik Island quadrangles, Alaska--cont.

Sample	ICP-Co	ICP-Ni	ICP-Cu	ICP-Zn	ICP-Cd	ICP-Pb	ICP-Ag	ICP-Mo	ICP-W	ICP-As	ICP-Bi
SW132	14	16	24	52	N	N	N	N	N	15	N
SW133	8.7	12	19	66	N	7.9	N	.38	N	21	N
SW134	3.6	3.8	7.9	36	N	3.6	N	N	N	4.9	N
SW135	4.1	3.6	7.3	31	N	N	N	N	N	<1.8	N
SW136	4.2	3.6	7.8	27	N	N	N	N	N	N	N
SW137	4.7	5	11	38	N	4.4	N	N	N	N	N
SW138	4.3	5.6	9.9	30	N	N	N	N	N	N	N
SW139	4.8	4.6	12	28	N	N	N	N	N	N	N
SW140	6.7	7.4	12	49	N	N	N	N	N	<1.6	N
SW141	5.5	5.7	7.6	36	N	N	N	N	N	N	N
SW142	5.3	9.4	13	47	N	N	N	N	N	<1.8	N
SW143	6.7	7.7	8.6	58	N	3.5	N	N	N	N	N
SW144	5	7.9	13	29	N	N	N	N	N	2.7	N
SW145	5.6	5.9	8.6	36	N	N	N	N	N	N	N
SW146	1.9	2.6	2.1	12	N	N	N	N	N	N	N
SW147	2.8	3.1	8.5	13	N	N	N	N	N	N	N
SW148	3.7	5.7	8.7	37	N	N	N	N	N	N	N
SW149	4.9	7.1	13	29	N	N	N	N	N	N	N
SW150	3.9	4.5	6.4	25	N	N	N	N	N	N	N
SW151	5.7	7.8	13	33	N	N	N	N	N	N	N
SW152	7	9.4	12	53	N	<3.7	N	N	N	<2	N
SW153	6	6.2	11	62	N	<3.6	N	N	N	N	N
SW154	5.6	10	13	33	N	N	N	N	N	<1.7	N
SW155	5.5	6.8	10	40	N	N	N	N	N	N	N
SW156	4.8	7.8	11	31	N	N	N	N	N	N	N
SW157	4.9	4	5.4	40	N	N	N	N	N	N	N
SW158	5.2	6.1	9.6	41	N	N	N	N	N	N	N
SW159	4	4.8	8.7	35	N	N	N	N	N	N	N
SW160	2.9	2.7	2.9	21	N	N	N	N	N	N	N
SW161	6.4	6	7.1	34	N	N	N	N	N	N	N