

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Analytical results and sample locality maps of rock samples from
the Stuyahok area, part of Holy Cross A-4 and A-5 quadrangles,
Alaska

by

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under a Cooperative Research and Development Agreement

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DISKETTE FILE

STUYAHOK.DAT: Tables of geochemical data for rocks from the Stuyahok study area, and also tables showing analytical methods used, lower limits of determination, and reporting units. Written in Microsoft EXCEL format, version 4.0. on a 3 1/2-inch, DOS compatible diskette.....in pocket

INTRODUCTION

This report presents the geochemical results from analyses of rock samples collected in a 55-mi² area surrounding the Stuyahok-Flat Creek placer gold deposits of southwest Alaska. It is one of three reports in a series on this area (see also Miller and others, 1996; Bailey and others, in prep.). Most of the data come from samples collected in 1995 under a Cooperative Research and Development Agreement between the U.S.G.S. and Calista Corporation. Also presented here, by permission from Calista Corporation, are previously unpublished data from the study area.

The Stuyahok-Flat Creek area lies in the Ilivit Mountains, north of the Yukon River in the south-central part of the Holy Cross 1:250,000-scale quadrangle (fig. 1). The study area contains rounded ridges separated by wide, sediment-filled and heavily vegetated valleys, and straddles the boundary between the Holy Cross A-4 and A-5 quadrangles. Elevations in the area vary from 400 ft in the valley bottoms to 1,890 ft at the top of Chase Mountain (fig. 2).

The study area is largely underlain by tuffs, volcaniclastic rocks, and flows all of which probably correlate (Miller and others, 1996) with Lower Cretaceous rocks of the Koyukuk terrane of Patton and others (1994). These rocks are cut by younger mafic to felsic dikes (Miller and others, 1996).

METHODS OF STUDY

Sample Media

Rock samples were collected primarily from outcrops and rubble exposures, and to a lesser extent from trenches and auger holes. Analyses of unaltered or unmineralized rock samples provide background geochemical data for individual rock units. Analyses of altered or mineralized rocks may provide useful geochemical information about the major- and trace-element assemblages associated with a mineralizing system.

Sample Collection

During the course of this study 270 rock samples from 190 sites were collected for trace-element analysis. The sample sites are shown on figure 2 (plotted on a topographic map) and figure 3 (plotted on a simplified geologic map). An additional ten rock samples were collected and analyzed for major oxide and trace element content; these sites and data are presented in Miller and others (1996).

Figure 4 shows sample sites for rocks collected and submitted for trace-element analysis prior to this study. Between 1974 and 1975, under contract to Calista Corporation, Resource Associates of Alaska (RAA) collected and analyzed 22 rock samples. During the 1980's, Calista collected an additional ten rock samples, and submitted splits of thirteen of the RAA samples for re-analysis.

Sample Preparation

Rock samples collected for trace-element analysis during the course of this study were prepared and analyzed by Chemex Labs, Vancouver, British Columbia, Canada. The rock samples were crushed and screened to -150 mesh. Rocks collected prior to this study by Calista Corporation were analyzed by Bondar Clegg, and were also crushed and screened to -150 mesh. Analyses of rocks collected by RAA were presented to Calista in the form of a report and map; data on the sample preparation are not available.

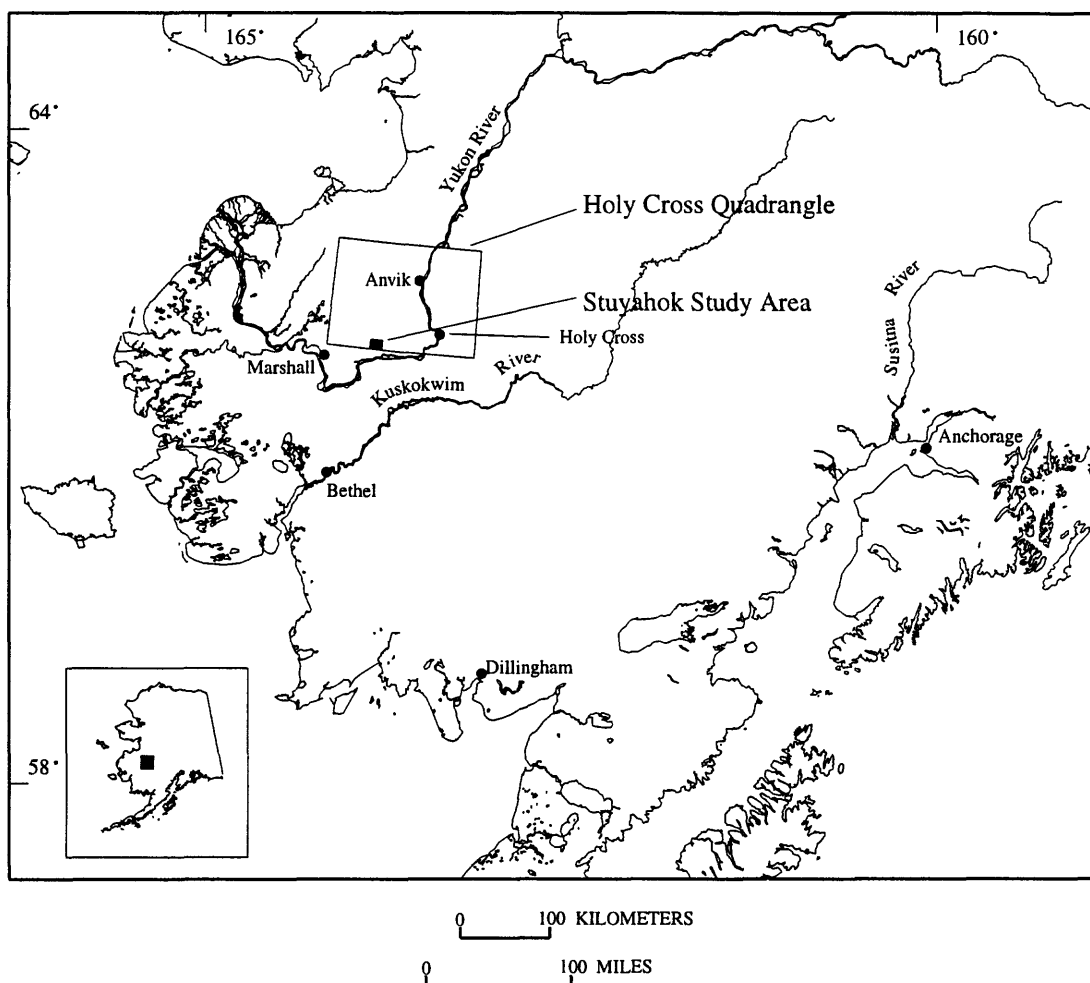


Figure 1. Location of the Stuyahok study area, Holy Cross quadrangle, southwest Alaska.

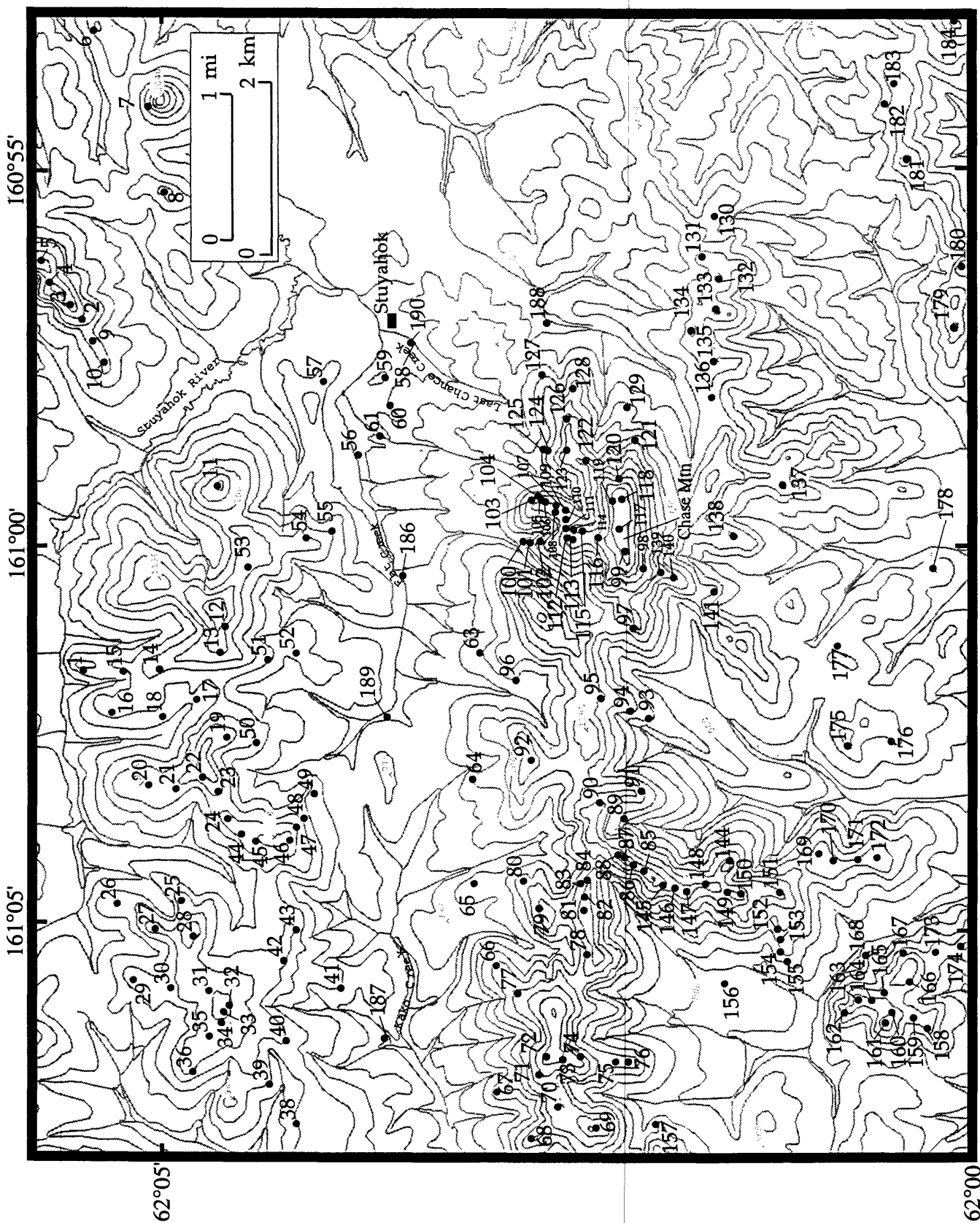


Figure 2. Map showing the sample locations for rock samples collected from the Stuyahok study area by the U.S.G.S. in 1995. (plotted on a generalized topographic map modified from figure 8B in Open-file Report 96-505A). The sample site shown outside of the map boundaries actually exists and is not a mistake.

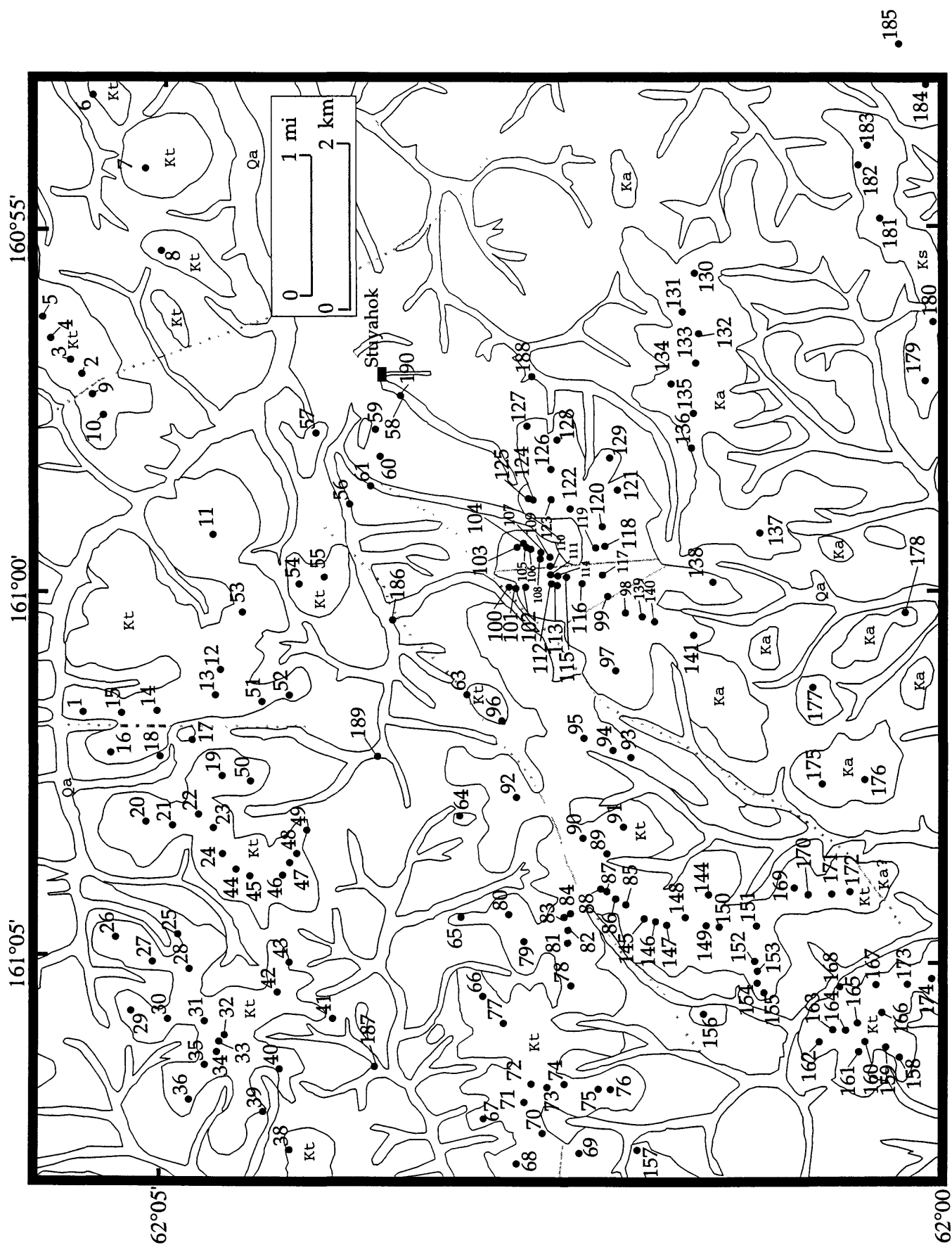


Figure 3. Map showing the sample locations for rock samples collected from the Stuyahok study area by the U.S.G.S. in 1995. (plotted on a generalized geologic map modified from figure 8A in Open-file Report 96-505A). The sample site shown outside of the map boundaries actually exists and is not a mistake.

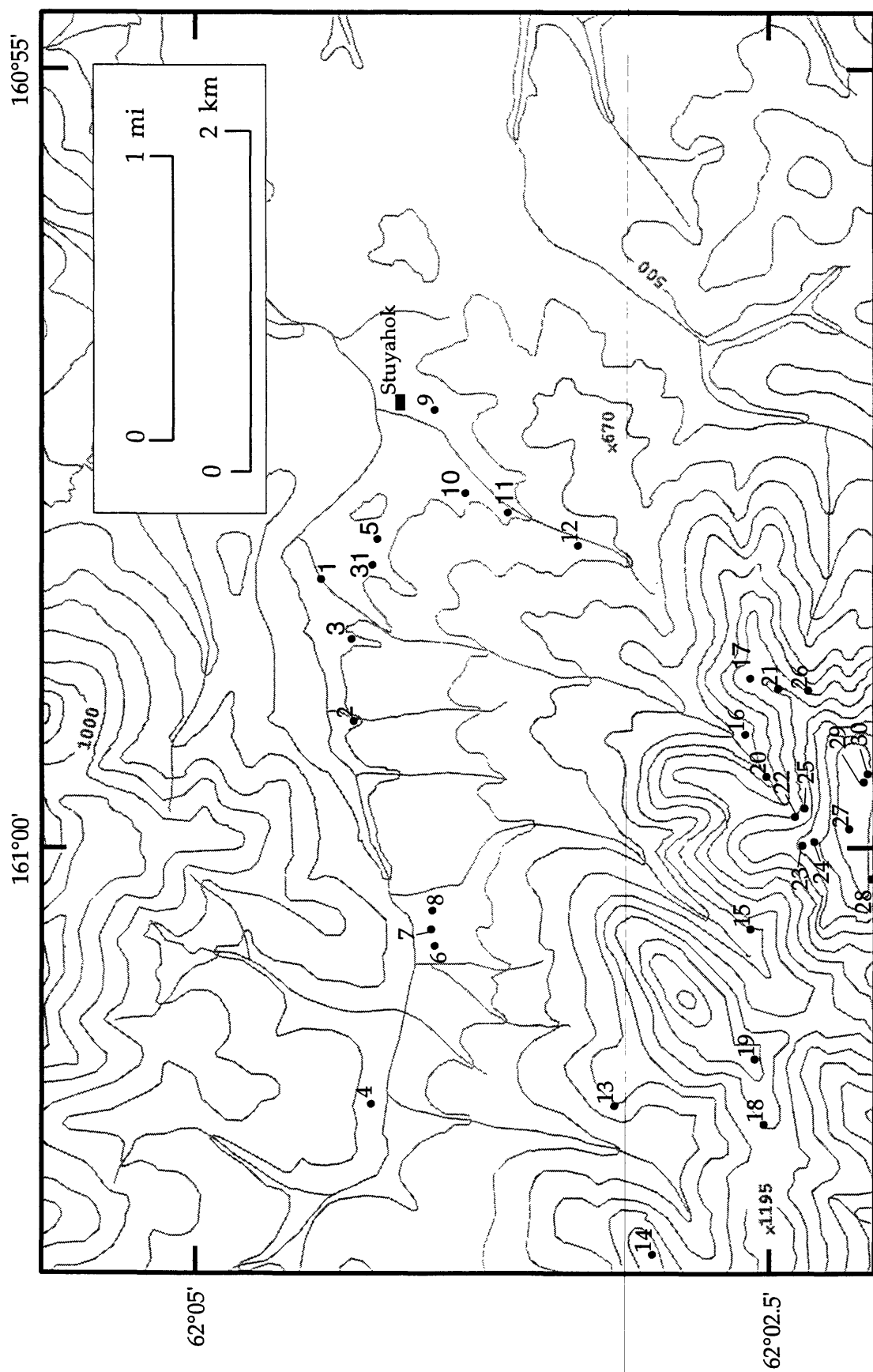


Figure 4. Map showing sample locations for rocks collected in 1975 by RAA and 1983 by T. Turner.

Sample analysis

The rock samples collected in 1996 were analyzed for 31 elements by inductively coupled plasma-atomic emission spectrometry (ICP-AES) following a nitric acid-aqua regia digestion. The elements, their determination limits, and reporting units are listed in table 1. These samples were analyzed for gold using a fire assay accompanied by an atomic absorption spectrometry (FA-AAS) detection technique. Mercury concentration was measured using cold vapor atomic absorption spectrometry (CVAAS). The determination limits and reporting units for gold and mercury are also listed in table 1. Analytical results are listed in table 2.

A subset of 25 samples was analyzed for silver, arsenic, bismuth, cadmium, copper, molybdenum, lead, antimony, and zinc using the ICP method. Mercury concentrations were determined by CVAAS. Thallium and tellurium were analyzed for by atomic absorption spectrometry (AAS) using $\text{HClO}_4\text{-HNO}_3\text{-HF}$ and HBr-Br^2 digestion, respectively. The determination limits and reporting units for this group of samples are listed in table 3 and the results are listed in table 4.

Samples collected by T. Turner of Calista Corporation were analyzed for 6 elements: lead, zinc, and silver by AAS; arsenic by colorimetric (C); mercury by CVAAS; and gold by FA-AAS. The determination limits and reporting units for this group of samples are listed in table 7 and the results are listed in table 8.

A description of the analytical methods used for the RAA samples is not available. The results of these analyses are presented in table 9.

Thirteen of the samples originally collected by RAA were reanalyzed for Calista Corporation in 1989 by Bondar Clegg. Fifteen element concentrations were determined by ICP-AES. FA-AAS was used to measure gold concentrations. Mercury and barium were determined by CV-AAS, and XRF, respectively. The determination limits and reporting units for this group of samples are listed in table 10 and the results are listed in table 11.

EXPLANATION OF DISKETTE FILE

The diskette file (STUYAHOK.DAT) contains all of the tables from this report. Also included is the table of major oxide data from the first report in this series. These tables are written in Microsoft EXCEL, version 4.0 format, and are on a 3 1/2-inch diskette that is DOS compatible.

Table 1. Analytical methods used, lower and upper limits of determination and reporting units for rock samples collected in the Stuyahok study area by the U.S.G.S. in August 1995.

[ICP-AES, inductively coupled plasma-atomic emission spectroscopy; FA-AAS, fire assay with atomic absorption spectrometry detection; CVAAS, cold vapor atomic absorption; ppb, parts per billion; ppm, parts per million]

Element	ICP-AES		FA-AAS		CVAAS	
	lower limit	upper limit	lower limit	upper limit	lower limit	upper limit
gold (Au)			5 ppb	10,000 ppb		
silver (Ag)	0.2 ppm	200 ppm				
aluminum (Al)	0.01%	15.00%				
arsenic (As)	2 ppm	10,000 ppm				
barium (Ba)	10 ppm	10,000 ppm				
beryllium (Be)	0.5 ppm	100.0 ppm				
bismuth (Bi)	2 ppm	10,000 ppm				
calcium (Ca)	0.01%	15.00%				
cadmium (Cd)	0.5 ppm	100.0 ppm				
cobalt (Co)	1 ppm	10,000 ppm				
chromium (Cr)	1 ppm	10,000 ppm				
copper (Cu)	1 ppm	10,000 ppm				
iron (Fe)	0.01%	15.00%				
gallium (Ga)	10 ppm	10,000 ppm				
mercury (Hg)					10 ppb	10,000 ppb
potassium (K)	0.01%	10%				
lanthanum (La)	10 ppm	10,000 ppm				
magnesium (Mg)	0.01%	15.00%				
manganese (Mn)	5 ppm	10,000 ppm				
molybdenum (Mo)	1 ppm	10,000 ppm				
sodium (Na)	0.01%	5.00%				
nickel (Ni)	1 ppm	10,000 ppm				
phosphorus (P)	10 ppm	10,000 ppm				
lead (Pb)	2 ppm	10,000 ppm				
antimony (Sb)	2 ppm	10,000 ppm				
scandium (Sc)	1 ppm	10,000 ppm				
Strontium (Sr)	1 ppm	10,000 ppm				
titanium (Ti)	0.01%	5.00%				
thallium (Tl)	10 ppm	10,000 ppm				
uranium (U)	10 ppm	10,000 ppm				
vanadium (V)	1 ppm	10,000 ppm				
tungsten (W)	10 ppm	10,000 ppm				
zinc (Zn)	2 ppm	10,000 ppm				

Table 2. Geochemical data for rock samples collected in the Stuyahok study area by the U.S.G.S. in August 1995.

[Map# refers to location numbers in figures 2 and 3; Site # 62 was deliberately omitted from this data set; See end of table (page 38) for explanation of abbreviations and unit designations]

MAP#	SAMPLE	LATITUDE(N)	LONGITUDE(W)	UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
1	95AWK022A	62 ° 05 ' 36 "	161 ° 01 ' 35 "	Kt	Crystal-lithic tuff; secondary pumpellyite	<5	<0.2	2.89	14	130	0.5	2	1.85	<0.5	15	<1	37	6.00
2	95BF052	62 ° 05 ' 30 "	160 ° 57 ' 03 "	Kt	Felsic tuff	<5	<0.2	0.71	2	40	0.5	<2	0.07	<0.5	<1	<1	14	2.69
3	95BF051	62 ° 05 ' 33 "	160 ° 56 ' 52 "	Kt	Crystal-lithic tuff; pumice	<5	<0.2	2.22	2	50	0.5	<2	2.14	<0.5	15	8	25	5.68
4	95BF050	62 ° 05 ' 40 "	160 ° 56 ' 38 "	Kt	Siltstone; organic shapes	<5	<0.2	1.74	2	80	0.5	8	1.26	<0.5	10	5	23	4.34
5	95BF049	62 ° 05 ' 45 "	160 ° 56 ' 20 "	Kt	Crystal-lithic tuff	<5	0.2	2.20	2	70	1.0	6	1.87	<0.5	13	3	28	5.59
6	95AM066A	62 ° 05 ' 27 "	160 ° 53 ' 13 "	TKdf	Clinopyroxene- hornblende porphyritic dike; secondary mica	<5	<0.2	1.32	2	120	<5	<2	0.48	<0.5	8	21	19	2.01
7	95AM067A	62 ° 05 ' 07 "	160 ° 54 ' 12 "	Kt	Altered dacite flow	<5	<0.2	0.94	<2	210	<5	<2	0.36	<0.5	5	<1	7	1.95
8	95AWK023A	62 ° 05 ' 02 "	161 ° 05 ' 05 "	Kt	Reworked tuff	<5	<0.2	2.36	2	130	1.5	<2	1.73	<0.5	13	8	42	5.28
8	95AWK023B	62 ° 05 ' 02 "	161 ° 05 ' 05 "	Kt	Silty sandstone; organic forms?	<5	<0.2	4.28	4	300	1.0	<2	2.85	<0.5	7	5	31	3.61
9	95BF053	62 ° 05 ' 26 "	160 ° 57 ' 21 "	TKdf	Felsic dike	<5	<0.2	1.15	4	240	0.5	<2	0.08	<0.5	3	11	11	1.29
10	95BF054	62 ° 05 ' 22 "	160 ° 57 ' 39 "	Kt	Reworked felsic tuff	<5	<0.2	1.58	6	310	0.5	<2	0.56	<0.5	11	15	30	4.02
11	95AM065A	62 ° 04 ' 42 "	160 ° 59 ' 14 "	Kt	Altered reworked felsic ash flow tuff	<5	<0.2	2.94	10	130	<5	<2	1.71	<0.5	3	<1	20	1.72
11	95AM065B	62 ° 04 ' 42 "	160 ° 59 ' 14 "	Kt	Reworked felsic ash flow tuff; secondary opq	<5	<0.2	4.06	12	150	0.5	<2	2.51	<0.5	4	<1	25	2.51
12	95AM029B	62 ° 04 ' 41 "	161 ° 01 ' 00 "	Kt	Crystal rich lithic tuff	<5	<0.2	4.05	12	490	0.5	2	3.83	<0.5	13	4	57	3.82
13	95AWK017B	62 ° 04 ' 45 "	161 ° 01 ' 22 "	Kt	Altered felsic lapilli tuff	<5	<0.2	3.71	10	150	<5	8	2.31	<0.5	6	<1	26	3.16
14	95AWK018A	62 ° 05 ' 06 "	161 ° 01 ' 33 "	Kt	Crystal-lithic tuff (strongly altered)	<5	<0.2	1.34	4	50	<5	2	4.78	<0.5	6	3	22	2.22
15	95AWK021A	62 ° 05 ' 19 "	161 ° 01 ' 36 "	Kt	Crystal-lithic tuff	<5	0.2	4.89	10	1070	0.5	<2	2.93	<0.5	11	1	51	4.00
16	95AWK020A	62 ° 05 ' 24 "	161 ° 02 ' 09 "	TKdm	Cpx diabase	<5	<0.2	1.77	6	40	0.5	8	1.56	<0.5	14	<1	100	5.56

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
1	95AWK022A	20	10	0.04	<10	1.72	1055	<1	0.07	2	920	16	<2	24	83	0.50	10	<10	180	<10	96
2	95BF052	<10	<10	0.05	<10	0.05	685	<1	0.05	<1	190	8	<2	5	4	0.01	<10	<10	12	<10	68
3	95BF051	10	<10	0.04	<10	1.24	900	1	0.02	3	910	4	<2	23	7	0.66	<10	<10	182	<10	94
4	95BF050	10	<10	0.02	10	0.86	810	<1	0.03	5	660	8	<2	18	7	0.50	<10	<10	106	<10	94
5	95BF049	20	10	0.02	10	1.33	1365	1	0.03	2	1000	4	2	23	12	0.69	<10	<10	174	<10	118
6	95AM066A	<10	40	0.11	10	0.84	340	<1	0.16	15	830	4	<2	4	42	0.08	<10	<10	44	<10	54
7	95AM067A	<10	<10	0.16	10	0.50	230	<1	0.14	1	520	<2	<2	4	42	0.13	<10	<10	50	<10	50
8	95AWK023A	20	10	0.03	10	1.19	1080	<1	0.05	7	700	10	<2	20	8	0.56	<10	<10	147	<10	110
8	95AWK023B	10	20	0.24	10	0.86	935	<1	0.51	6	580	12	<2	13	301	0.28	<10	<10	64	<10	94
9	95BF053	<10	<10	0.18	10	0.21	180	<1	<0.01	6	410	6	<2	2	12	0.06	<10	<10	24	<10	32
10	95BF054	10	20	0.09	10	0.99	940	<1	0.11	10	800	4	<2	10	45	0.10	<10	<10	85	<10	108
11	95AM065A	<10	20	0.17	10	0.44	435	<1	0.02	1	130	12	<2	6	29	0.10	<10	<10	22	<10	40
11	95AM065B	10	10	0.16	10	0.47	470	<1	0.06	1	290	12	2	10	37	0.15	<10	<10	35	<10	54
12	95AM029B	<10	20	0.08	<10	0.85	660	<1	0.23	6	650	12	<2	11	209	0.21	<10	<10	94	<10	66
13	95AWK017B	10	10	0.14	10	0.69	750	<1	0.02	1	430	12	2	13	23	0.16	<10	<10	39	<10	66
14	95AWK018A	10	10	0.01	<10	0.31	330	<1	0.08	3	270	14	<2	8	9	0.17	<10	<10	73	<10	44
15	95AWK021A	10	30	0.14	10	1.19	865	<1	0.29	3	690	12	<2	13	1015	0.27	<10	<10	94	<10	80
16	95AWK020A	10	10	0.03	<10	0.75	875	<1	0.08	<1	870	8	<2	8	10	0.42	<10	<10	185	<10	108

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)		LONGITUDE(W)		UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
17	95AM060A	62 ° 04 ' 52 "		161 ° 01 ' 59 "		Kt	Tuffaceous siltstone	<5	<0.2	3.26	8	40	0.5	<2	3.21	<0.5	18	6	125	6.61
18	95AWK019A	62 ° 05 ' 05 "		161 ° 02 ' 15 "		TKdm	Cpx diabase	<5	<0.2	1.39	6	80	0.5	10	1.57	<0.5	13	<1	82	5.11
19	95AWK012A	62 ° 04 ' 37 "		161 ° 02 ' 30 "		Kt	Airfall crystal-lithic tuff	<5	<0.2	2.91	8	250	0.5	6	1.99	<0.5	18	2	65	6.12
20	95AWK016A	62 ° 01 ' 00 "		161 ° 03 ' 06 "		Kt	Lapilli tuff	<5	<0.2	5.54	12	530	0.5	<2	3.08	<0.5	21	10	58	5.84
21	95AWK015A	62 ° 05 ' 00 "		161 ° 03 ' 10 "		Kt	Felsic lapilli tuff	<5	<0.2	4.76	18	120	0.5	4	3.20	<0.5	11	2	41	4.43
21	95AWK015B	62 ° 05 ' 00 "		161 ° 03 ' 10 "		Kt	Silty tuff	<5	0.2	3.92	16	1730	0.5	<2	1.96	<0.5	16	12	80	4.12
22	95AWK014A	62 ° 04 ' 50 "		161 ° 03 ' 00 "		Kt	Crystal-lithic tuff	<5	<0.2	4.97	8	100	0.5	2	3.53	<0.5	10	<1	33	4.80
23	95AWK013A	62 ° 04 ' 45 "		161 ° 03 ' 10 "		TKdm	Cpx diabase	<5	<0.2	2.48	6	170	0.5	2	2.15	<0.5	16	<1	79	5.99
23	95BF048	62 ° 04 ' 43 "		161 ° 03 ' 11 "		Kt	Crystal-lithic tuff	<5	<0.2	3.39	4	90	0.5	<2	2.37	<0.5	9	<1	28	4.26
24	95BF047	62 ° 04 ' 40 "		161 ° 03 ' 32 "		Kt	Lapilli tuff	<5	<0.2	5.58	6	60	0.5	<2	4.42	<0.5	17	5	47	4.34
24	95BF047B	62 ° 04 ' 40 "		161 ° 03 ' 32 "		Kt	Lapilli tuff	<5	<0.2	4.62	12	550	0.5	2	3.00	<0.5	19	10	49	4.95
25	95AM057A	62 ° 04 ' 57 "		161 ° 04 ' 35 "		Kt	Intermediate lapilli tuff; chl altered	<5	<0.2	3.60	4	130	0.5	<2	3.68	<0.5	22	12	63	4.57
26	95AM055A	62 ° 05 ' 21 "		161 ° 04 ' 40 "		Kt	Volcaniclastic sandstone; secondary chl	<5	<0.2	4.36	8	100	1.0	4	5.21	<0.5	14	10	39	4.01
26	95AM055Ad	62 ° 05 ' 21 "		161 ° 04 ' 40 "		Kt	Volcaniclastic sandstone; secondary chl	<5	<0.2	0.2	2	910	0.5	2	2.47	<0.5	10	28	27	2.19
27	95BF033	62 ° 05 ' 08 "		161 ° 05 ' 01 "		Kt	Lapilli tuff	<5	<0.2	3.57	4	250	<5	10	1.57	<0.5	24	26	69	5.37
27	95BF033d	62 ° 05 ' 08 "		161 ° 05 ' 01 "		Kt	Lapilli tuff	<5	<0.2	0.4	8	260	<0.5	14	1.54	<0.5	23	26	71	5.33
28	95BF034	62 ° 04 ' 52 "		161 ° 05 ' 09 "		Kt	Volcaniclastic sandstone	<5	<0.2	3.04	14	80	<5	<2	1.67	<0.5	16	7	111	4.62
29	95AM051A	62 ° 05 ' 15 "		161 ° 05 ' 40 "		Kt	Clinopyroxene diabase flow; secondary chl	<5	<0.2	2.26	2	70	<5	<2	1.78	<0.5	17	50	69	2.94
30	95BF035	62 ° 05 ' 01 "		161 ° 05 ' 50 "		Kt	Volcaniclastic sandstone	<5	<0.2	5.58	6	90	<5	2	3.10	<0.5	13	15	62	3.66
31	95BF036	62 ° 04 ' 48 "		161 ° 05 ' 50 "		Kt	Reworked tuff	<5	<0.2	6.69	8	160	<5	<2	2.20	<0.5	24	10	69	5.82
32	95BF037	62 ° 04 ' 40 "		161 ° 06 ' 01 "		TKdm	Qtz diorite?	<5	<0.2	4.29	2	70	<5	8	2.53	<0.5	22	26	32	4.69
33	95BF038	62 ° 04 ' 40 "		161 ° 06 ' 08 "		Kt	Lapilli tuff	<5	<0.2	1.80	6	20	0.5	8	1.36	<0.5	11	9	8	3.49

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
17	95AM060A	10	20	0.03	10	1.26	1600	<1	0.05	6	480	12	<2	29	18	0.40	<10	<10	222	<10	100
18	95AWK019A	10	<10	0.04	<10	0.63	910	<1	0.10	<1	890	6	<2	9	8	0.40	<10	<10	177	<10	94
19	95AWK012A	10	20	<0.1	<10	1.75	1030	<1	0.16	3	590	8	<2	22	47	0.47	<10	<10	232	<10	88
20	95AWK016A	10	<10	0.11	<10	1.82	1145	<1	0.03	24	660	8	<2	13	153	0.21	<10	<10	166	<10	96
21	95AWK015A	10	30	0.12	10	1.01	1005	<1	0.02	6	860	18	<2	15	37	0.20	<10	<10	76	<10	78
21	95AWK015B	10	60	0.24	<10	1.24	905	<1	0.08	17	410	12	<2	15	792	0.27	<10	<10	102	<10	82
22	95AWK014A	10	210	0.06	<10	0.89	1200	<1	0.02	<1	750	10	<2	18	30	0.25	<10	<10	76	<10	86
23	95AWK013A	20	10	0.02	<10	0.81	1010	<1	0.06	1	720	2	<2	11	15	0.47	<10	<10	228	<10	90
23	95BF048	10	10	0.07	<10	0.73	1100	<1	0.02	<1	820	8	2	17	41	0.28	<10	<10	60	<10	94
24	95BF047	20	10	0.07	<10	1.34	855	<1	0.06	10	540	6	<2	12	57	0.17	<10	<10	131	<10	64
24	95BF047B	10	70	0.07	<10	1.67	1075	<1	0.07	16	680	8	<2	14	660	0.24	<10	<10	148	<10	72
25	95AM057A	10	30	0.01	<10	1.41	830	<1	0.05	17	470	4	<2	20	21	0.30	<10	<10	179	<10	66
26	95AM055A	10	30	0.01	<10	0.82	780	<1	0.05	7	430	2	2	13	20	0.22	<10	<10	153	<10	60
26	95AM055Ad	<10	<10	0.29	20	1.08	475	<1	0.04	20	1190	18	<2	3	113	0.01	<10	<10	49	<10	52
27	95BF033	20	20	0.07	<10	2.90	1200	<1	0.02	28	480	<2	<2	24	52	0.38	<10	<10	190	<10	68
27	95BF033d	10	20	0.12	<10	2.96	1205	1	0.04	29	490	30	2	24	58	0.37	<10	<10	199	<10	82
28	95BF034	10	330	0.03	<10	1.88	750	<1	0.05	6	370	6	<2	23	26	0.35	<10	<10	172	<10	68
29	95AM051A	<10	20	0.01	<10	2.16	550	<1	0.10	79	260	2	<2	3	11	0.20	<10	<10	75	<10	36
30	95BF035	10	10	0.06	<10	1.45	750	<1	0.02	10	240	2	<2	18	48	0.17	<10	<10	122	<10	58
31	95BF036	20	20	0.04	<10	2.51	1035	<1	2.61	14	420	2	<2	21	47	0.33	<10	<10	250	<10	64
32	95BF037	10	80	0.08	<10	1.86	715	<1	0.34	52	680	2	<2	4	551	0.22	<10	<10	187	<10	56
33	95BF038	10	10	<0.1	<10	1.29	505	<1	0.06	7	640	<2	<2	8	27	0.28	<10	<10	139	<10	22

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)	LONGITUDE(W)	UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
33	95BF038B	62 ° 04 ' 40 "	161 ° 06 ' 08 "	Kt	Lapilli tuff	<5	0.2	2.26	6	10	0.5	8	1.73	<0.5	17	14	47	4.88
34	95BF039	62 ° 04 ' 42 "	161 ° 06 ' 18 "	Kt	Lapilli tuff	<5	<0.2	3.07	4	60	0.5	4	2.01	<0.5	16	5	53	4.31
35	95BF040	62 ° 04 ' 47 "	161 ° 06 ' 26 "	Kt	Reworked tuff	<5	<0.2	4.87	14	100	0.5	8	3.03	<0.5	11	6	37	3.85
36	95BF041	62 ° 04 ' 52 "	161 ° 06 ' 52 "	Kt	Reworked tuff	<5	<0.2	3.21	12	110	0.5	4	1.89	<0.5	16	6	78	4.68
37	95AWK010A	62 ° 04 ' 38 "	161 ° 07 ' 18 "	Kt	Water laid tuff	<5	<0.2	2.95	6	80	0.5	<2	2.49	<0.5	14	21	115	4.87
37	95AWK010B	62 ° 04 ' 38 "	161 ° 07 ' 18 "	Kt	Reworked tuff	<5	<0.2	4.32	4	100	0.5	6	4.03	<0.5	21	17	95	5.74
37	95AWK010C	62 ° 04 ' 38 "	161 ° 07 ' 18 "	Kt	Crystal-lithic tuff	<5	<0.2	2.99	8	110	<5	2	1.42	<0.5	21	16	102	5.33
38	95AM054A	62 ° 04 ' 13 "	161 ° 07 ' 32 "	Kt	Tuffaceous siltstone; contains organic forms	<5	<0.2	2.14	4	170	<5	<2	1.26	<0.5	15	16	74	3.85
39	95AWK009A	62 ° 04 ' 26 "	161 ° 07 ' 00 "	Kt	Siltstone; pre, qtz	<5	0.4	1.49	8	50	0.5	<2	2.95	<0.5	4	6	41	2.42
40	95AM053A	62 ° 04 ' 18 "	161 ° 06 ' 29 "	Kt	Reworked intermediate tuff; chl alteration	<5	<0.2	4.23	10	60	<5	4	2.91	<0.5	21	33	80	5.32
41	95AM050A	62 ° 03 ' 58 "	161 ° 05 ' 48 "	Kt	Reworked crystal- lithic tuff; secondary chl	<5	<0.2	7.51	8	80	<5	6	1.19	<0.5	20	23	80	4.90
42	95AM049A	62 ° 04 ' 19 "	161 ° 05 ' 28 "	Kt	Altered lapilli tuff; secondary chl, pre alteration	<5	<0.2	4.33	18	60	<5	2	3.87	<0.5	25	41	62	5.00
43	95AM048A	62 ° 04 ' 15 "	161 ° 05 ' 00 "	Kt	Volcaniclastic sandstone; chloritic alteration	<5	<0.2	3.81	8	260	<5	4	1.83	<0.5	17	7	58	5.25
43	95AM048B	62 ° 04 ' 15 "	161 ° 05 ' 00 "	Kt	Tuffaceous siltstone	<5	<0.2	3.46	20	120	0.5	2	2.11	0.5	14	14	109	5.50
44	95BF046	62 ° 04 ' 36 "	161 ° 03 ' 45 "	Kt	Lapilli tuff; secondary pumpellyite	<5	<0.2	4.27	<2	370	<5	<2	2.71	<0.5	21	17	50	5.36
45	95BF045	62 ° 04 ' 29 "	161 ° 03 ' 51 "	Kt	Mafic flow/dike	<5	<0.2	4.45	4	280	<5	6	2.62	<0.5	15	1	15	4.41
46	95BF044	62 ° 04 ' 18 "	161 ° 03 ' 50 "	Kt	Felsic lapilli tuff	<5	<0.2	2.06	6	80	<5	2	0.20	<0.5	17	15	25	5.10
47	95BF043	62 ° 04 ' 15 "	161 ° 03 ' 40 "	Kt	Volcaniclastic sandstone	<5	<0.2	2.84	4	100	0.5	10	1.61	<0.5	10	11	6	3.51
48	95BF042	62 ° 04 ' 12 "	161 ° 03 ' 32 "	Kt	Lapilli tuff	<5	0.2	3.72	14	130	0.5	<2	2.96	<0.5	21	13	6	3.54

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
33	95BF038B	20	<10	<0.01	<10	1.67	550	<1	0.11	17	640	2	<2	20	11	0.32	<10	<10	141	<10	48
34	95BF039	20	30	0.04	<10	1.32	740	<1	0.05	7	550	2	<2	18	72	0.29	<10	<10	141	<10	64
35	95BF040	10	240	0.06	<10	1.04	855	<1	0.04	4	390	2	<2	16	135	0.19	<10	<10	90	<10	70
36	95BF041	10	110	0.03	<10	1.34	895	<1	0.02	5	630	4	<2	23	47	0.39	<10	<10	165	<10	76
37	95AWK010A	20	680	0.03	<10	1.59	960	<1	0.04	14	530	14	<2	20	206	0.33	<10	<10	139	<10	78
37	95AWK010B	10	50	0.01	<10	2.19	1035	<1	0.01	19	660	2	<2	22	26	0.46	<10	<10	221	<10	74
37	95AWK010C	10	80	0.03	<10	1.97	1115	<1	0.03	17	480	2	2	21	71	0.43	<10	<10	163	<10	82
38	95AM054A	10	10	0.03	<10	1.23	815	<1	0.10	16	590	2	<2	15	247	0.37	<10	<10	135	<10	68
39	95AWK009A	10	20	<0.01	10	0.43	325	<1	0.13	4	740	2	<2	9	29	0.15	<10	<10	110	<10	28
40	95AM053A	<10	160	0.02	<10	2.69	1025	<1	0.19	49	510	<2	<2	17	42	0.34	<10	<10	162	<10	74
41	95AM050A	<10	20	0.02	<10	2.02	765	<1	4.57	34	450	6	<2	19	31	0.22	<10	<10	163	<10	68
42	95AM049A	<10	10	<0.01	<10	3.40	780	<1	0.02	82	280	<2	<2	15	9	0.25	<10	<10	135	<10	66
43	95AM048A	<10	10	<0.01	<10	2.42	745	<1	0.03	8	330	8	<2	21	17	0.29	<10	<10	125	<10	68
43	95AM048B	10	90	0.01	<10	1.61	850	<1	0.04	14	530	8	<2	22	26	0.36	<10	<10	161	<10	96
44	95BF046	10	70	0.06	<10	2.25	1055	<1	0.18	27	720	6	<2	16	97	0.33	<10	<10	166	<10	80
45	95BF045	<10	20	0.04	<10	1.10	830	<1	0.41	2	830	4	<2	8	150	0.26	<10	<10	129	<10	72
46	95BF044	10	120	0.09	<10	1.08	475	<1	0.03	9	710	6	<2	14	5	0.04	<10	<10	79	<10	44
47	95BF043	10	<10	0.06	10	1.09	415	<1	0.03	9	730	6	<2	11	56	0.28	<10	<10	105	<10	32
48	95BF042	10	60	0.05	<10	1.60	755	<1	0.02	14	300	<2	<2	11	41	0.25	<10	<10	121	<10	54

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)			LONGITUDE(W)			UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
49	95AM058A	62 ° 04 ' 08 "			161 ° 03 ' 12 "			Kt	Ash flow Crystallitic tuff; devitrified glass	<5	<0.2	5.90	16	1370	0.5	<2	3.49	<0.5	7	<1	25	4.04
50	95AWK011A	62 ° 04 ' 30 "			161 ° 02 ' 32 "			TKdm	Cpx diabase	<5	<0.2	2.13	34	100	1.0	<2	2.97	<0.5	12	2	66	4.82
51	95AM031A	62 ° 04 ' 26 "			161 ° 01 ' 28 "			Kt	Ferruginous tuffaceous siltstone	<5	<0.2	1.02	12	40	0.5	<2	0.87	<0.5	7	8	34	2.31
52	95AM030A	62 ° 04 ' 16 "			161 ° 01 ' 21 "			TKdf	Altered hypabyssal clinopyroxene(?) biotite qtz monzonite	<5	<0.2	1.41	6	270	<5	<2	1.64	<0.5	8	18	25	2.36
52	95AM030A	62 ° 04 ' 16 "			161 ° 01 ' 21 "			TKdf	Altered hypabyssal clinopyroxene(?) biotite qtz monzonite	<5	<0.2	1.41	6	270	<5	<2	1.64	<0.5	8	18	25	2.36
53	95AM028C	62 ° 04 ' 32 "			161 ° 00 ' 15 "			Kt	Rhyolitic ash flow tuff	<5	<0.2	5.29	22	3020	0.5	2	3.09	<0.5	6	<1	54	2.98
54	95AM027A	62 ° 04 ' 09 "			160 ° 59 ' 59 "			Kt	Lapilli tuff; minor chl alteration	<5	<0.2	3.91	8	90	0.5	2	3.18	<0.5	18	14	74	5.25
55	95AM026A	62 ° 04 ' 00 "			160 ° 59 ' 52 "			Kt	Lapilli Tuff	<5	<0.2	5.01	<2	560	0.5	2	2.45	<0.5	12	5	47	4.03
56	95AM086A	62 ° 03 ' 47 "			160 ° 58 ' 50 "			TKdf	Qtz porphyry; ep alteration	<5	0.2	2.13	22	230	<5	2	0.68	<0.5	15	38	157	2.18
57	95AM001C	62 ° 04 ' 00 "			160 ° 57 ' 57 "			Kt	Felsic lapilli tuff; secondary hem	10	0.4	0.81	102	2540	0.5	<2	0.20	<0.5	18	3	97	7.33
58	95AM085A	62 ° 03 ' 28 "			160 ° 57 ' 25 "			TKdf	Qtz porphyry	<5	<0.2	1.58	10	100	<5	<2	0.52	<0.5	13	26	23	2.40
58	95AM085B	62 ° 03 ' 28 "			160 ° 57 ' 25 "			TKdf	Qtz porphyry	<5	<0.2	1.06	20	40	<5	<2	0.08	<0.5	1	3	8	1.08
59	95BT243Z	62 ° 03 ' 38 "			160 ° 57 ' 44 "			TKdf	Qtz porphyry	<5	<0.2	0.52	34	3100	<5	2	0.08	<0.5	4	8	23	1.03
60	95BT244B	62 ° 03 ' 35 "			160 ° 58 ' 15 "			TKdf	porphyry	<5	<0.2	0.83	16	230	0.5	<2	0.10	<0.5	6	24	30	2.13
60	95BT244Z	62 ° 03 ' 35 "			160 ° 58 ' 15 "			TKdf	Qtz porphyry	<5	<0.2	0.59	636	640	<5	<2	0.07	3.0	2	13	17	2.88
61	95BT245	62 ° 03 ' 44 "			160 ° 58 ' 35 "			TKdf	Qtz porphyry	<5	<0.2	1.91	14	140	<5	4	0.28	<0.5	8	37	13	2.37
63	95BT257A	62 ° 03 ' 03 "			161 ° 01 ' 27 "			TKdf	Porphyritic dike	<5	<0.2	4.34	6	70	0.5	<2	2.47	<0.5	8	3	37	2.99
64	95AM063A	62 ° 03 ' 05 "			161 ° 03 ' 05 "			Kt	Chl altered andesitic tuff	<5	<0.2	4.17	6	180	<5	<2	2.46	<0.5	20	18	69	4.41
65	95AM039A	62 ° 03 ' 05 "			161 ° 04 ' 29 "			Kt	Lithic tuff	<5	<0.2	5.85	14	290	0.5	2	3.89	<0.5	17	4	44	5.02
66	95AWK004D	62 ° 02 ' 58 "			161 ° 05 ' 33 "			Kt	Lapilli tuff	<5	<0.2	5.61	6	150	0.5	4	3.94	<0.5	19	12	48	5.05

Table 2. Continued

MAP#	SAMPLE	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
49	95AM058A	10	70	0.14	<10	0.99	1100	<1	0.17	3	750	8	2	17	1170	0.21	<10	<10	50	<10	86
50	95A WK011A	20	40	0.01	10	0.55	480	<1	0.09	1	700	54	<2	16	10	0.41	<10	<10	97	<10	92
51	95AM031A	<10	20	0.03	<10	0.44	345	<1	0.04	12	220	6	<2	9	10	0.18	<10	<10	88	<10	52
52	95AM030A	<10	<10	0.15	10	0.97	430	<1	0.04	14	890	2	<2	5	88	0.03	<10	<10	62	<10	58
52	95AM030A	<10	<10	0.15	10	0.97	430	<1	0.04	14	890	2	<2	5	88	0.03	<10	<10	62	<10	58
53	95AM028C	<10	20	0.16	10	0.71	475	<1	0.51	2	410	24	<2	6	2250	0.10	<10	<10	54	<10	62
54	95AM027A	<10	10	0.05	<10	1.82	1125	1	0.02	13	580	6	<2	21	15	0.33	<10	<10	173	<10	76
55	95AM026A	<10	20	0.15	10	1.06	785	<1	1.58	6	590	14	<2	12	453	0.22	<10	<10	93	<10	72
56	95AM086A	<10	10	0.03	<10	1.06	245	<1	0.08	34	470	20	<2	7	16	0.30	<10	<10	114	<10	54
57	95AM001C	<10	620	0.08	10	0.04	975	1	<0.01	6	840	20	8	13	21	<0.01	<10	<10	109	<10	116
58	95AM085A	10	20	0.16	10	1.17	265	<1	0.10	18	1290	4	<2	4	26	0.12	<10	<10	59	<10	58
58	95AM085B	<10	360	0.04	10	0.04	35	<1	<0.01	3	250	6	2	2	28	<0.01	<10	<10	12	<10	14
59	95BT243Z	<10	3290	0.06	<10	0.08	50	3	<0.01	7	100	34	16	2	51	<0.01	<10	<10	21	<10	82
60	95BT244B	<10	340	<0.1	30	0.03	80	<1	<0.01	17	320	16	2	5	6	0.02	<10	<10	69	<10	62
60	95BT244Z	<10	2270	0.01	10	0.07	45	2	<0.01	17	500	28	60	1	16	<0.01	<10	<10	21	<10	328
61	95BT245	<10	20	0.06	10	1.17	190	<1	0.04	25	1230	12	<2	7	27	0.09	<10	<10	56	<10	58
63	95BT257A	10	10	0.02	<10	0.60	765	<1	0.03	3	270	14	<2	9	121	0.08	<10	<10	46	<10	58
64	95AM063A	10	<10	0.16	<10	2.38	1000	<1	0.11	24	460	4	<2	16	130	0.25	<10	<10	120	<10	62
65	95AM039A	10	10	0.12	<10	1.62	1010	<1	0.04	8	860	14	<2	12	102	0.19	<10	<10	143	<10	84
66	95A WK004D	20	10	0.11	<10	1.95	935	<1	0.05	22	550	8	<2	12	94	0.24	<10	<10	152	<10	76

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)		LONGITUDE(W)		UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
67	95AM046A	62 ° 02 ' 57 "		161 ° 07 ' 12 "		Kt	Reworked silty tuff; pre	<5	<0.2	3.42	8	1100	0.5	<2	2.48	<0.5	12	11	72	3.62
68	95AM040A	62 ° 02 ' 44 "		161 ° 07 ' 50 "		Kt	Volcaniclastic sandstone	<5	<0.2	3.08	8	990	<5	2	1.86	<0.5	13	10	51	3.94
68	95AM040B	62 ° 02 ' 44 "		161 ° 07 ' 50 "		Kt	Tuffaceous siltstone	<5	<0.2	3.30	14	670	<5	2	4.65	<0.5	11	11	61	3.66
68	95AM040E	62 ° 02 ' 44 "		161 ° 07 ' 50 "		Kt	Iron-stained silty tuff	<5	<0.2	4.00	64	180	<5	<2	2.17	<0.5	10	5	130	4.37
69	95AM042A	62 ° 02 ' 19 "		161 ° 07 ' 40 "		TKdm	Clinopyroxene diabase; secondary or late biotite	<5	0.2	1.52	14	160	<5	4	1.24	<0.5	14	<1	112	5.91
69	95AM042B	62 ° 02 ' 19 "		161 ° 07 ' 40 "		Kt	Fine-grained green silty tuff; has organic forms	<5	<0.2	1.66	6	130	0.5	<2	1.72	0.5	17	<1	79	6.21
70	95AM041A	62 ° 02 ' 35 "		161 ° 07 ' 23 "		TKdm	Magnetite bearing clinopyroxene diorite	<5	<0.2	5.08	6	200	<5	<2	3.33	<0.5	15	<1	153	4.70
70	95AM041B	62 ° 02 ' 35 "		161 ° 07 ' 23 "		Kt	Volcaniclastic sandstone	<5	<0.2	3.33	12	140	0.5	4	1.61	<0.5	19	25	102	5.06
71	95AM045B	62 ° 02 ' 41 "		161 ° 06 ' 59 "		TKdm	Magnetite bearing clinopyroxene diorite	<5	<0.2	5.61	10	110	<5	<2	3.53	<0.5	14	1	57	3.95
72	95AM044B	62 ° 02 ' 38 "		161 ° 06 ' 46 "		Kt	Crystal lithic tuff	<5	<0.2	4.78	6	840	0.5	2	3.03	<0.5	9	3	40	3.80
73	95BF028	62 ° 02 ' 32 "		161 ° 06 ' 46 "		Kt	Crystal-lithic ash flow tuff	<5	<0.2	4.74	8	1200	0.5	6	2.98	<0.5	6	<1	20	3.74
73	95BF028B	62 ° 02 ' 32 "		161 ° 06 ' 46 "		Kt	Crystal-lithic tuff	<5	0.4	2.96	2	80	0.5	6	2.52	<0.5	8	<1	30	4.53
74	95BF029	62 ° 02 ' 25 "		161 ° 06 ' 45 "		TKdm	Sub ophitic cpx diabase	<5	<0.2	2.32	8	170	0.5	<2	1.96	<0.5	14	<1	97	5.54
75	95BF031	62 ° 02 ' 12 "		161 ° 06 ' 49 "		Kt	Crystal-lithic tuff	<5	0.2	3.84	6	1210	0.5	2	2.18	<0.5	9	4	43	3.51
76	95BF032	62 ° 02 ' 09 "		161 ° 06 ' 49 "		Kt	Ash flow tuff	<5	<0.2	4.53	12	3230	1.0	2	2.51	<0.5	8	<1	53	2.96
76	95BF032B	62 ° 02 ' 09 "		161 ° 06 ' 49 "		Kt	Felsic tuff	<5	<0.2	1.35	4	130	0.5	2	0.36	<0.5	7	3	23	3.38
77	95AWK005A	62 ° 02 ' 49 "		161 ° 05 ' 55 "		Kt	Reworked tuff	<5	0.2	4.44	8	50	0.5	<2	2.77	<0.5	17	11	50	4.53
77	95AWK005B	62 ° 02 ' 49 "		161 ° 05 ' 55 "		TKdm	Cpx diabase	<5	<0.2	1.47	<2	110	<5	<2	1.17	<0.5	13	<1	93	5.14
77	95AWK005C	62 ° 02 ' 49 "		161 ° 05 ' 55 "		TKdm	Cpx diabase	<5	<0.2	1.77	4	250	<5	<2	1.04	<0.5	14	<1	114	5.53

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
67	95AM046A	<10	100	0.19	10	0.94	895	<1	0.10	12	540	16	<2	11	884	0.23	<10	<10	93	<10	70
68	95AM040A	<10	110	0.11	<10	0.97	775	<1	0.13	14	640	8	<2	6	295	0.24	<10	<10	128	<10	74
68	95AM040B	<10	130	0.11	<10	0.86	855	<1	0.14	12	530	8	<2	10	325	0.22	<10	<10	108	<10	72
68	95AM040E	<10	830	0.13	<10	0.95	490	2	0.16	13	410	16	<2	10	760	0.17	<10	<10	103	<10	68
69	95AM042A	<10	<10	0.04	<10	0.73	1360	<1	0.07	2	870	10	<2	11	22	0.52	<10	<10	215	<10	106
69	95AM042B	10	<10	0.01	10	1.24	1130	<1	0.11	2	690	34	<2	20	21	0.51	<10	<10	163	<10	158
70	95AM041A	<10	<10	0.07	<10	0.94	660	<1	0.37	9	580	4	<2	4	117	0.24	<10	<10	187	<10	60
70	95AM041B	<10	120	0.10	10	1.78	1030	<1	0.02	27	440	12	<2	22	50	0.33	<10	<10	166	<10	98
71	95AM045B	<10	20	0.04	<10	0.86	515	<1	0.60	10	460	2	<2	3	145	0.18	<10	<10	171	<10	50
72	95AM044B	<10	20	0.19	<10	0.90	830	<1	0.22	3	680	8	<2	12	650	0.26	<10	<10	55	<10	76
73	95BF028	10	30	0.34	<10	0.76	840	<1	0.17	<1	760	12	<2	16	990	0.25	<10	<10	47	<10	88
73	95BF028B	10	10	0.05	<10	0.77	1060	<1	0.02	<1	840	8	2	18	15	0.32	<10	<10	68	<10	96
74	95BF029	10	10	0.06	<10	0.67	920	<1	0.02	<1	960	10	2	12	18	0.48	<10	<10	193	<10	96
75	95BF031	10	<10	0.20	10	0.85	740	<1	0.11	7	450	20	<2	11	259	0.23	<10	<10	62	<10	70
76	95BF032	10	80	0.32	10	0.74	620	<1	0.10	2	440	22	<2	9	553	0.17	<10	<10	66	<10	68
76	95BF032B	10	30	0.10	<10	0.57	270	<1	0.02	7	450	16	<2	13	4	0.30	<10	<10	57	<10	94
77	95AWK005A	10	210	0.11	<10	1.31	910	<1	0.05	11	550	10	<2	16	42	0.23	<10	<10	145	<10	76
77	95AWK005B	<10	<10	0.02	<10	0.61	780	<1	0.12	<1	750	4	<2	5	28	0.53	<10	<10	217	<10	78
77	95AWK005C	10	<10	0.05	<10	0.69	855	<1	0.08	1	790	4	<2	6	22	0.57	<10	<10	225	<10	96

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)			LONGITUDE(W)			UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
78	95AWK008A	62 °	02 ' 25 "		161 °	05 ' 25 "		Kt	Felsic tuff	<5	<0.2	3.49	4	90	0.5	<2	2.36	<0.5	2	<1	21	1.99
79	95AM037A	62 °	02 ' 42 "		161 °	04 ' 48 "		TKdf	Clinopyroxene-plag dike, qtz monzonitic composition; altered	<5	<0.2	2.21	26	170	0.5	2	1.84	<0.5	10	2	49	4.40
80	95AM038A	62 °	02 ' 47 "		161 °	04 ' 28 "		Kt	Ash flow tuff	<5	<0.2	4.43	14	660	0.5	2	3.80	<0.5	8	2	42	3.29
80	95AM038B	62 °	02 ' 47 "		161 °	04 ' 28 "		Kt	Tuffaceous siltstone	<5	<0.2	5.34	<2	2100	0.5	2	3.62	<0.5	5	<1	21	3.36
81	95AM036A	62 °	02 ' 25 "		161 °	04 ' 50 "		Kt	Crystal-lithic tuff	<5	<0.2	3.39	18	1320	0.5	<2	2.48	<0.5	7	1	17	3.67
81	95AM036C	62 °	02 ' 25 "		161 °	04 ' 50 "		Kt	Silty tuff	<5	<0.2	2.82	14	610	0.5	6	1.70	<0.5	16	15	106	5.40
82	95BF068	62 °	02 ' 24 "		161 °	04 ' 35 "		Kt	Felsic tuff	<5	0.2	1.19	8	30	0.5	<2	0.55	<0.5	5	4	23	2.83
83	95BF069	62 °	02 ' 22 "		161 °	04 ' 25 "		Kt	Reworked tuff	<5	<0.2	5.11	10	910	1.0	2	3.26	<0.5	9	1	38	4.59
84	95AWK001A	62 °	02 ' 24 "		161 °	04 ' 25 "		Kt	Crystal-lithic tuff	<5	0.2	1.66	2	50	1.0	6	4.84	<0.5	7	1	20	3.76
84	95AWK001B	62 °	02 ' 24 "		161 °	04 ' 25 "		Kt	Crystal-lithic tuff	<5	<0.2	5.74	16	1110	1.0	<2	3.68	<0.5	6	<1	16	3.78
85	95BF018	62 °	02 ' 02 "		161 °	04 ' 15 "		Kt	Silty tuff; organic shapes	<5	<0.2	4.58	6	820	1.0	2	2.75	<0.5	8	2	30	4.01
86	95BF017	62 °	02 ' 06 "		161 °	04 ' 10 "		Kt	Reworked tuff	<5	<0.2	2.24	8	110	1.0	<2	1.31	<0.5	15	12	59	5.10
87	95BF016	62 °	02 ' 09 "		161 °	04 ' 09 "		Kt	Crystal-lithic tuff	<5	<0.2	2.32	4	80	0.5	<2	1.71	<0.5	9	3	24	4.49
88	95BF015	62 °	02 ' 11 "		161 °	04 ' 05 "		Kt	Silty tuff; organic shapes	<5	<0.2	5.41	6	1340	1.0	6	3.68	<0.5	6	<1	16	3.48
88	95BF015d	62 °	02 ' 11 "		161 °	04 ' 05 "		Kt	Silty tuff; organic shapes	<5	<0.2	06	4	1440	0.5	<2	3.81	<0.5	5	<1	18	3.74
89	95AWK035A	62 °	02 ' 10 "		161 °	03 ' 38 "		Kt	Glassy tuff	<5	<0.2	2.36	2	90	0.5	<2	1.44	<0.5	7	<1	21	4.08
90	95AWK002A	62 °	02 ' 18 "		161 °	03 ' 24 "		Kt	Crystal-lithic tuff	<5	0.2	2.52	4	120	0.5	2	1.40	<0.5	7	<1	20	4.22
90	95AWK002Ad	62 °	02 ' 18 "		161 °	03 ' 24 "		Kt	Crystal-lithic tuff	<5	<0.2	05	6	1160	0.5	<2	4.50	<0.5	6	<1	27	3.50
91	95AWK003A	62 °	02 ' 04 "		161 °	03 ' 12 "		Kt	Porphyritic flow	<5	<0.2	1.10	<2	50	0.5	<2	1.69	<0.5	15	<1	65	6.09
92	95BT263	62 °	02 ' 45 "		161 °	02 ' 51 "		Kt	Felsic tuff	<5	<0.2	2.68	4	100	<5	<2	1.85	<0.5	3	<1	29	1.96
93	95AWK034A	62 °	02 ' 01 "		161 °	02 ' 20 "		Kt	Siltstone; organic shapes	<5	<0.2	5.11	22	50	1.5	<2	5.32	<0.5	11	8	52	3.57
93	95AWK034B	62 °	02 ' 01 "		161 °	02 ' 20 "		Kt	Mafic flow	<5	<0.2	2.57	4	280	0.5	2	1.10	<0.5	16	26	22	3.40
94	95AWK033A	62 °	02 ' 08 "		161 °	02 ' 11 "		Kt	Agglomerate	<5	0.4	5.52	14	130	0.5	12	3.12	<0.5	15	16	51	4.05

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
78	95AWK008A	10	10	0.11	10	0.27	600	<1	0.02	<1	300	14	<2	8	61	0.15	<10	<10	19	<10	64
79	95AM037A	10	<10	0.07	10	0.57	725	<1	0.03	3	930	36	2	10	31	0.41	<10	<10	88	<10	70
80	95AM038A	<10	20	0.33	<10	0.70	790	<1	0.16	5	510	8	4	10	144	0.17	<10	<10	75	<10	78
80	95AM038B	<10	20	0.18	10	0.68	970	<1	0.25	2	770	12	<2	13	1640	0.19	<10	<10	29	<10	84
81	95AM036A	<10	10	0.25	10	0.75	805	<1	0.18	2	690	6	<2	12	1125	0.29	<10	<10	60	<10	84
81	95AM036C	<10	100	0.14	10	1.62	875	1	0.06	21	580	18	<2	24	236	0.36	<10	<10	222	<10	112
82	95BF068	10	10	0.04	10	0.50	490	<1	0.10	4	380	50	<2	7	6	0.28	<10	<10	30	<10	62
83	95BF069	10	30	0.20	10	1.08	1095	1	0.61	2	1020	10	<2	15	1270	0.45	<10	<10	99	<10	96
84	95AWK001A	10	40	0.02	<10	0.73	1205	<1	0.06	1	580	4	<2	15	10	0.34	<10	<10	102	<10	78
84	95AWK001B	10	30	0.22	10	0.89	890	1	0.65	<1	1020	8	<2	14	1035	0.28	<10	<10	36	<10	100
85	95BF018	20	20	0.21	10	0.93	910	1	0.67	2	820	8	<2	16	1135	0.37	<10	<10	86	<10	88
86	95BF017	10	20	0.05	10	1.20	825	1	0.04	8	880	14	2	22	13	0.56	<10	<10	143	<10	100
87	95BF016	10	10	0.06	10	1.06	925	1	0.05	3	940	8	<2	20	14	0.48	<10	<10	87	<10	88
88	95BF015	10	<10	0.26	10	0.79	770	1	0.22	<1	950	6	<2	13	935	0.26	<10	<10	40	<10	82
88	95BF015d	10	10	0.29	10	0.89	850	<1	0.21	<1	1040	8	<2	13	1015	0.28	<10	<10	44	<10	94
89	95AWK035A	10	20	0.07	10	0.93	865	<1	0.08	1	770	8	<2	17	14	0.42	<10	<10	66	<10	94
90	95AWK002A	10	20	0.08	10	0.97	900	<1	0.06	1	750	8	<2	17	42	0.43	<10	<10	60	<10	94
90	95AWK002Ad	10	30	0.20	10	0.89	1295	<1	0.15	<1	830	4	2	12	1200	0.30	<10	<10	57	<10	80
91	95AWK003A	<10	<10	0.01	<10	0.83	870	<1	0.11	<1	590	2	<2	12	13	0.47	<10	<10	190	<10	76
92	95BT263	10	<10	0.06	10	0.44	565	<1	0.04	1	260	16	<2	7	13	0.11	<10	<10	23	<10	46
93	95AWK034A	20	10	0.05	<10	0.67	425	<1	0.06	8	350	18	<2	14	56	0.21	<10	<10	174	<10	54
93	95AWK034B	10	10	0.19	<10	1.84	1055	<1	0.16	16	480	14	<2	10	36	0.21	<10	<10	91	<10	158
94	95AWK033A	20	20	0.07	<10	1.43	795	<1	0.03	22	600	10	2	14	97	0.22	<10	<10	107	<10	66

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)		LONGITUDE(W)		UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
95	95AWK032A	62 ° 02 ' 18 "		161 ° 02 ' 00 "		Kt	Mafic flow; hem	<5	0.2	3.95	8	140	<5	4	2.64	<0.5	19	17	38	4.40
96	95BT260	62 ° 01 ' 49 "		161 ° 01 ' 49 "		TKdf	Porphyritic dike	<5	<0.2	1.58	<2	60	<5	<2	0.16	<0.5	9	18	20	2.28
97	95AM077A	62 ° 02 ' 07 "		161 ° 01 ' 05 "		Ka	Agglomerate; chl (pre) alteration	<5	<0.2	6.25	2	90	<5	<2	3.15	<0.5	23	40	76	5.29
97	95AM077Ad	62 ° 02 ' 07 "		161 ° 01 ' 05 "		Ka	Agglomerate; chl (pre) alteration	<5	<0.2	02	4	90	0.5	<2	1.32	<0.5	9	2	26	4.48
98	95AM011A	62 ° 02 ' 03 "		161 ° 00 ' 10 "		Ka	Agglomerate; secondary chl, minor cal	<5	<0.2	4.52	14	170	<5	4	2.34	<0.5	21	46	61	4.85
99	95BF001	62 ° 02 ' 09 "		161 ° 00 ' 08 "		Ka	Lapilli tuff	<5	0.4	3.55	16	70	<5	4	1.62	<0.5	21	121	87	3.77
100	95BF074	62 ° 02 ' 44 "		160 ° 59 ' 59 "		Ka	Lapilli Tuff; pyrite, ep	<5	<0.2	4.68	12	100	0.5	<2	1.53	0.5	13	74	15	4.32
101	95BF075	62 ° 02 ' 41 "		160 ° 59 ' 59 "		Ka	Reworked tuff	<5	<0.2	5.09	28	140	0.5	<2	2.66	<0.5	19	25	8	3.61
102	95BF073	62 ° 02 ' 37 "		160 ° 59 ' 59 "		Ka	Lapilli Tuff; pyrite, ep	<5	<0.2	3.69	8	120	<5	2	0.81	<0.5	7	2	58	4.79
103	95BF010	62 ° 02 ' 44 "		160 ° 59 ' 25 "		Ka	Volcaniclastic sandstone	<5	<0.2	2.84	18	320	<5	4	1.30	<0.5	19	20	69	4.75
103	95BF010d	62 ° 02 ' 44 "		160 ° 59 ' 25 "		Ka	Volcaniclastic sandstone	<5	00	03	14	210	<0.5	4	1.49	<0.5	15	25	52	4.71
103	95BF014	62 ° 02 ' 44 "		160 ° 59 ' 25 "		Ka	Siltstone; pyrite	<5	0.2	2.84	26	220	<5	<2	1.92	<0.5	13	8	53	4.13
104	95BF013	62 ° 02 ' 40 "		160 ° 59 ' 21 "		TKdf	Altered felsic dike	<5	0.4	1.52	12	150	<5	<2	0.43	<0.5	4	13	11	2.04
105	95BF011	62 ° 02 ' 39 "		160 ° 59 ' 28 "		TKdf	Altered felsic dike	<5	0.2	1.93	12	100	<5	<2	0.67	0.5	6	12	21	1.95
106	95BF009	62 ° 02 ' 38 "		160 ° 59 ' 28 "		Ka	Felsic tuff	<5	0.2	2.55	<2	40	<5	8	0.86	3.0	10	27	50	4.48
107	95BF008	62 ° 02 ' 34 "		161 ° 59 ' 30 "		Ka	Siltstone	<5	0.6	2.26	12	180	<5	2	1.38	2.0	18	16	82	3.59
108	95BF012	62 ° 02 ' 33 "		160 ° 59 ' 34 "		Ka	Lapilli tuff	<5	0.2	6.52	6	60	<5	<2	4.16	0.5	18	26	82	5.16
108	95BF012d	62 ° 02 ' 33 "		160 ° 59 ' 34 "		Ka	Lapilli tuff	10	<0.2	06	8	70	<0.5	4	4.02	<0.5	19	25	80	5.19
109	95BF007	62 ° 02 ' 30 "		160 ° 59 ' 35 "		Ka	Lapilli tuff; chl alteration	<5	<0.2	3.83	6	80	<5	4	0.74	<0.5	14	130	89	4.38
110	95BF006	62 ° 02 ' 30 "		160 ° 59 ' 40 "		TKdf	Qz porphyry dike	<5	0.8	1.69	4	140	<5	8	0.59	1.5	2	26	47	2.59
111	95BF005	62 ° 02 ' 30 "		160 ° 59 ' 49 "		Ka	Felsic tuff	<5	<0.2	3.00	8	40	<5	8	2.10	<0.5	13	52	127	4.19
112	95BF072	62 ° 02 ' 28 "		160 ° 59 ' 58 "		TKdf	Altered felsic dike	<5	0.8	1.69	6	150	<5	6	0.68	<0.5	2	25	109	2.82
112	95BF072B	62 ° 02 ' 28 "		160 ° 59 ' 58 "		Ka	Reworked tuff	<5	<0.2	4.07	10	100	<5	<2	1.73	<0.5	17	56	15	4.17
113	95BF071	62 ° 02 ' 26 "		160 ° 59 ' 59 "		Ka	Lapilli Tuff; pyrite	<5	<0.2	3.20	4	120	<5	<2	1.90	<0.5	11	87	188	5.77

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
95	95AWK032A	10	<10	0.08	<10	1.90	690	<1	0.34	19	630	8	<2	14	99	0.31	<10	<10	150	<10	60
96	95BT260	10	<10	0.20	10	0.79	280	<1	0.08	15	620	6	<2	2	10	<0.01	<10	<10	40	<10	40
97	95AM077A	10	10	0.01	<10	3.12	475	<1	0.28	41	290	4	<2	23	91	0.35	<10	<10	209	<10	66
97	95AM077Ad	10	30	0.06	10	1.14	915	<1	0.05	3	770	8	<2	19	17	0.45	<10	<10	75	<10	102
98	95AM011A	<10	10	0.01	<10	3.05	575	1	0.16	58	380	6	8	10	56	0.30	<10	<10	152	<10	98
99	95BF001	10	<10	0.03	<10	3.30	890	<1	0.12	67	300	10	<2	9	36	0.31	<10	<10	127	<10	108
100	95BF074	20	<10	0.08	<10	3.06	1995	<1	0.23	25	460	56	<2	7	82	0.20	<10	<10	93	<10	128
101	95BF075	10	<10	0.08	<10	1.93	995	<1	0.52	13	490	22	<2	5	225	0.20	<10	<10	80	<10	90
102	95BF073	10	10	0.03	<10	2.00	1120	<1	0.07	<1	460	26	<2	10	23	0.28	<10	<10	115	<10	110
103	95BF010	<10	10	0.02	<10	1.90	1195	<1	0.06	9	360	18	2	10	21	0.34	<10	<10	119	<10	132
103	95BF010d	10	<10	0.03	<10	2.03	1230	<1	0.08	10	440	22	<2	15	25	0.40	<10	<10	133	<10	134
103	95BF014	10	<10	0.12	<10	1.33	1370	<1	0.08	6	780	38	2	12	53	0.19	<10	<10	86	<10	94
104	95BF013	<10	10	0.11	<10	0.87	725	<1	0.04	5	760	88	2	2	16	0.12	<10	<10	35	<10	118
105	95BF011	10	<10	0.12	<10	0.83	655	<1	0.16	9	730	144	<2	2	40	0.10	<10	<10	40	<10	206
106	95BF009	10	10	0.03	<10	1.63	1140	<1	0.11	9	450	28	<2	12	16	0.32	<10	<10	113	<10	590
107	95BF008	<10	<10	0.07	<10	1.45	815	<1	0.19	7	290	34	<2	11	25	0.13	<10	<10	83	<10	350
108	95BF012	20	<10	0.02	<10	1.99	1390	<1	0.66	12	530	18	<2	20	109	0.19	<10	<10	171	<10	120
108	95BF012d	10	<10	0.03	<10	2.04	1405	<1	0.61	13	570	18	<2	17	118	0.18	168	<10	112		
109	95BF007	10	<10	0.10	<10	4.15	610	<1	0.09	71	170	2	<2	4	20	0.20	<10	<10	149	<10	140
110	95BF006	10	10	0.10	<10	1.08	330	1	0.08	6	1150	150	<2	4	74	0.12	<10	<10	53	<10	294
111	95BF005	10	<10	0.06	<10	1.69	775	<1	0.34	16	540	6	2	17	41	0.18	<10	<10	167	<10	50
112	95BF072	10	10	0.12	<10	1.15	405	1	0.07	4	1100	146	<2	4	60	0.10	<10	<10	50	<10	130
112	95BF072B	10	<10	0.03	<10	2.18	830	<1	0.37	29	680	4	<2	7	106	0.28	<10	<10	148	<10	82
113	95BF071	10	<10	0.14	<10	2.56	575	<1	0.27	44	1030	10	<2	11	45	0.22	<10	<10	142	<10	68

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)		LONGITUDE(W)		UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
113	95BF071B	62 °	02 ' 26 "	160 °	59 ' 59 "	TKdf	Qtz porphyry dike	<5	0.4	1.97	20	100	<5	2	0.59	<0.5	21	19	77	2.78
114	95BF004	62 °	02 ' 28 "	160 °	59 ' 50 "	Ka	Lapilli tuff	<5	0.4	6.16	8	120	<5	8	2.41	<0.5	24	64	103	3.97
115	95BF003	62 °	02 ' 23 "	160 °	59 ' 50 "	TKdf	Altered felsic dike	<5	<0.2	1.79	12	170	<5	6	0.59	<0.5	8	26	39	2.83
115	95BF003d	62 °	02 ' 23 "	160 °	59 ' 50 "	TKdf	Altered felsic dike	<5	<0.2	0.2	8	180	<0.5	4	0.59	<0.5	8	23	37	2.83
116	95BF002	62 °	02 ' 17 "	160 °	59 ' 55 "	Ka	Lapilli tuff	<5	0.2	4.58	6	250	<5	14	0.99	<0.5	31	193	39	4.23
117	95AM083A	62 °	02 ' 10 "	160 °	59 ' 50 "	TKdf	Qtz porphyry dike; secondary cal, chl	<5	0.2	0.40	30	150	<5	<2	1.94	5.0	1	1	15	1.03
117	95AM083B	62 °	02 ' 10 "	160 °	59 ' 50 "	TKdf	Altered felsic dike	<5	0.2	1.47	10	480	<5	2	1.19	<0.5	11	22	62	2.01
117	95AM083C	62 °	02 ' 10 "	160 °	59 ' 49 "	Ka	Lapilli tuff	<5	0.6	4.17	18	80	<5	8	3.84	<0.5	28	186	118	4.41
117	95AM083D	62 °	02 ' 10 "	160 °	59 ' 49 "	Ka	Lapilli tuff	<5	0.4	5.11	38	30	<5	4	3.54	<0.5	30	273	64	4.61
117	95AM083Dd	62 °	02 ' 10 "	160 °	59 ' 49 "	Ka	Lapilli tuff	<5	0.0	0.5	48	60	<0.5	8	3.57	<0.5	31	289	59	4.89
118	95AM008A	62 °	02 ' 09 "	160 °	59 ' 26 "	Ka	Fe-stained qtz vein cuts tuff	<5	<0.2	2.73	20	70	<5	4	1.04	<0.5	9	3	104	4.53
118	95AM008B	62 °	02 ' 09 "	160 °	59 ' 26 "	Ka	Fe-stained pyrite- bearing green lithic tuff	<5	<0.2	2.91	10	90	<5	4	1.19	<0.5	13	10	91	4.86
118	95AM008C	62 °	02 ' 09 "	160 °	59 ' 26 "	TKdf	Qtz-feld porphyritic felsic dike; secondary wm, chl	<5	<0.2	1.43	12	380	<5	2	1.00	<0.5	10	23	47	1.99
119	95BT233B	62 °	02 ' 12 "	160 °	59 ' 26 "	Ka	Basalt flows	<5	3.4	3.38	16	40	<5	<2	2.41	<0.5	24	12	581	3.26
120	95AM006A	62 °	02 ' 11 "	160 °	59 ' 09 "	TKdf	Feld porphyry dike; secondary wm, cal	<5	<0.2	1.40	10	170	<5	<2	1.94	<0.5	8	20	25	2.28
121	95AM007A	62 °	02 ' 04 "	160 °	58 ' 41 "	TKdf	Hornblende(?) ghosts-plag felsic dike; secondary wm, cal, chl	<5	<0.2	1.47	2	630	<5	<2	3.30	<0.5	8	14	23	1.98
121	95AM007B	62 °	02 ' 04 "	160 °	58 ' 41 "	Ka	Lapilli tuff; secondary cal, chl	<5	<0.2	4.74	10	110	<5	2	2.65	<0.5	22	77	66	4.77
121	95AM007C	62 °	02 ' 04 "	160 °	58 ' 41 "	Ka	Qtz-ep veins to 1 cm cut lithic tuff	<5	<0.2	4.50	6	10	<5	<2	6.46	<0.5	5	24	9	1.53

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
113	95BF071B	<10	10	0.12	10	0.93	200	<1	0.13	14	800	36	<2	3	23	0.06	<10	<10	49	<10	56
114	95BF004	10	<10	0.12	<10	3.13	315	<1	0.49	53	130	<2	<2	4	95	0.16	<10	<10	141	<10	68
115	95BF003	10	<10	0.05	<10	1.19	300	<1	0.09	9	1240	16	<2	7	51	0.15	<10	<10	67	<10	44
115	95BF003d	10	10	0.07	<10	1.19	300	<1	0.10	8	1230	18	<2	6	59	0.15	<10	<10	69	<10	44
116	95BF002	10	<10	0.56	<10	4.64	725	<1	0.25	92	170	<2	<2	6	43	0.18	<10	<10	142	<10	150
117	95AM083A	<10	170	0.19	20	0.05	480	<1	<0.01	8	470	224	2	<1	10	<0.01	<10	<10	4	<10	460
117	95AM083B	<10	<10	0.09	20	0.97	730	1	0.07	20	1000	22	2	4	59	<0.01	<10	<10	47	<10	40
117	95AM083C	10	10	0.07	<10	3.32	955	<1	0.27	75	100	14	<2	18	89	0.28	<10	<10	173	<10	72
117	95AM083D	10	<10	0.04	<10	4.35	1155	<1	0.20	93	280	22	4	19	68	0.26	<10	<10	163	<10	98
117	95AM083Dd	10	10	0.04	<10	4.63	1310	<1	0.16	93	150	28	2	24	66	0.22	<10	<10	175	<10	110
118	95AM008A	<10	<10	0.02	<10	2.45	615	<1	0.08	10	1680	16	<2	5	15	0.32	<10	<10	71	<10	76
118	95AM008B	<10	10	0.02	<10	1.75	670	<1	0.12	8	650	8	<2	14	30	0.41	<10	<10	166	<10	68
118	95AM008C	<10	10	0.06	20	1.14	570	2	0.05	22	940	14	<2	4	37	<0.01	<10	<10	47	<10	82
119	95BT233B	10	20	0.08	<10	2.42	635	<1	0.12	21	680	50	<2	12	42	0.28	<10	<10	157	<10	76
120	95AM006A	<10	10	0.19	10	1.02	520	<1	0.04	15	900	12	2	2	93	<0.01	<10	<10	40	<10	54
121	95AM007A	<10	10	0.23	10	0.93	360	<1	0.03	12	1000	12	<2	3	85	<0.01	<10	<10	39	<10	58
121	95AM007B	<10	10	0.02	<10	2.99	560	<1	0.33	67	280	2	<2	18	83	0.28	<10	<10	152	<10	66
121	95AM007C	10	10	<0.1	<10	0.48	255	<1	0.01	19	150	4	2	3	40	0.09	<10	<10	135	<10	18

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)			LONGITUDE(W)			UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
122	95AM005A	62 °	02 ' 23 "	160 °	58 ' 57 "	Ka	Clinopyroxene andesite flow; secondary ep, chl			<5	<0.2	3.46	16	30	<5	<2	2.33	<0.5	13	6	33	3.71
122	95AM005B	62 °	02 ' 23 "	160 °	58 ' 57 "	Ka	Lapilli tuff; chl/cal alteration			<5	<0.2	4.73	14	70	<5	8	1.50	<0.5	27	147	36	5.50
122	95AM005Bd	62 °	02 ' 23 "	160 °	58 ' 57 "	Ka	Lapilli tuff; chl/cal alteration			<5	<0.2	05	14	60	<0.5	<2	1.91	<0.5	31	154	62	5.77
122	95AM005D	62 °	02 ' 23 "	160 °	58 ' 57 "	TKdf	Qtz porphyry dike; secondary wm, chl, cal			<5	<0.2	1.34	6	520	<5	2	1.83	<0.5	7	18	34	1.71
122	95AM005E	62 °	02 ' 23 "	160 °	58 ' 57 "	TKdf	Hem altered qtz porphyritic felsic dike; secondary wm			<5	<0.2	0.85	6	200	<5	<2	1.65	<0.5	3	4	21	1.31
122	95AM005F	62 °	02 ' 23 "	160 °	58 ' 57 "	TKdf	Qtz-feld porphyry; secondary wm			<5	<0.2	0.71	104	240	<5	<2	0.04	<0.5	4	<1	14	1.11
123	95AM004A	62 °	02 ' 30 "	160 °	58 ' 49 "	Ka	Volcaniclastic sandstone (hornfels); secondary cal, ep, pre			<5	<0.2	3.72	22	30	<5	2	4.13	<0.5	15	61	50	3.68
123	95AM004B	62 °	02 ' 30 "	160 °	58 ' 49 "	Ka	Altered lapilli tuff; chl, cal, qtz,			<5	<0.2	3.38	20	30	<5	4	2.04	<0.5	24	121	58	4.75
123	95AM004C	62 °	02 ' 30 "	160 °	58 ' 49 "	TKdf	Qtz porphyry dike; secondary opq, cal, wm, chl			<5	<0.2	1.21	4	180	<5	<2	1.99	<0.5	8	9	14	2.00
123	95AM004Y	62 °	02 ' 30 "	160 °	58 ' 49 "	Ka	Pyrite-bearing qtz vein cutting lithic tuff			<5	<0.2	3.62	14	60	<5	4	1.53	<0.5	25	156	52	5.03
124	95AM003A	62 °	02 ' 36 "	160 °	58 ' 49 "	Ka	Pyrite-bearing andesite lapilli tuff; secondary hem, chl, cal			<5	<0.2	4.02	14	770	<5	4	2.08	<0.5	20	79	61	5.66
124	95AM003B	62 °	02 ' 36 "	160 °	58 ' 49 "	Ka	Altered felsic tuff; secondary hem, wm, cal			<5	<0.2	0.66	2	200	<5	<2	2.42	<0.5	8	14	27	2.34

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
122	95AM005A	<10	<10	0.07	<10	1.61	315	<1	0.22	20	570	6	<2	5	67	0.30	<10	<10	188	<10	40
122	95AM005B	<10	<10	0.02	<10	5.18	875	<1	0.04	73	200	<2	<2	24	23	0.20	<10	<10	166	<10	74
122	95AM005Bd	10	10	0.02	<10	5.67	875	<1	0.04	73	100	2	4	23	30	0.19	162	<10	72		
122	95AM005D	<10	30	0.30	10	0.80	645	<1	0.04	14	800	82	2	3	66	<0.01	<10	<10	38	<10	76
122	95AM005E	<10	150	0.28	20	0.12	475	<1	<0.01	9	670	14	2	1	12	<0.01	<10	<10	12	<10	44
122	95AM005F	<10	100	0.27	20	0.04	345	<1	0.02	10	310	24	4	<1	9	<0.01	<10	<10	1	<10	64
123	95AM004A	<10	<10	<0.01	<10	2.30	595	<1	0.27	37	320	2	<2	13	28	0.24	<10	<10	102	<10	66
123	95AM004B	<10	<10	<0.01	<10	3.34	795	<1	0.03	54	290	8	<2	20	18	0.29	<10	<10	151	<10	82
123	95AM004C	<10	20	0.20	10	0.89	455	<1	0.04	10	880	<2	<2	2	27	<0.01	<10	<10	37	<10	48
123	95AM004Y	<10	10	0.01	<10	4.05	800	<1	0.03	80	190	2	<2	19	21	0.02	<10	<10	144	<10	76
124	95AM003A	<10	<10	0.05	<10	3.97	460	<1	0.06	36	790	4	4	16	80	<0.01	<10	<10	169	<10	74
124	95AM003B	<10	20	0.16	20	0.28	440	<1	0.02	14	1190	8	<2	3	46	<0.01	<10	<10	38	<10	62

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)			LONGITUDE(W)			UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
125	95AM002A	62 °	02 ' 38 "		160 °	58 ' 48 "		Ka	Clinopyroxene andesite flows; secondary chl, wm, ep	<5	<0.2	6.37	12	90	<5	4	5.34	<0.5	17	102	74	3.88
125	95AM002C	62 °	02 ' 38 "		160 °	58 ' 48 "		Ka	Pyrite-bearing andesite lapilli tuff; secondary chl, cal, wm	<5	<0.2	5.03	22	100	<5	4	2.43	<0.5	28	103	100	5.79
126	95AM033A	62 °	02 ' 29 "		160 °	58 ' 24 "		TKdf	Altered felsic dike; secondary cal, chl, wm	<5	<0.2	0.84	6	980	<5	<2	2.15	<0.5	8	11	25	1.91
127	95AM082A	62 °	02 ' 38 "		160 °	57 ' 51 "		Ka	Altered lapilli tuff; secondary wm	<5	<0.2	5.20	14	240	<5	4	4.60	<0.5	31	236	70	4.78
128	95AM035A	62 °	02 ' 27 "		160 °	58 ' 00 "		TKdf	Altered felsic dike; secondary cal, chl, wm	<5	<0.2	1.42	<2	990	0.5	<2	2.54	<0.5	9	25	30	2.15
129	95AWK037A	62 °	02 ' 07 "		160 °	58 ' 14 "		Ka	Andesite flows; pre	<5	<0.2	4.51	4	30	<5	<2	4.31	<0.5	16	<1	100	3.11
129	95AWK037B	62 °	02 ' 07 "		160 °	58 ' 14 "		Ka	Andesite flows; pre	<5	<0.2	4.97	4	70	<5	<2	7.65	0.5	23	16	45	3.13
129	95AWK037C	62 °	02 ' 07 "		160 °	58 ' 14 "		Ka	Andesite flows; pre	<5	0.2	4.30	6	100	<5	2	3.81	<0.5	11	30	54	2.18
130	95AM019A	62 °	01 ' 37 "		160 °	55 ' 43 "		Ka	Agglomerate; chl/pre alteration	<5	<0.2	4.69	20	70	<5	4	2.77	<0.5	23	21	79	4.77
131	95AM012A	62 °	01 ' 40 "		160 °	56 ' 20 "		Ka	Amygdaloidal pillow andesite; chl ± pumpellyite fill vesicles	<5	<0.2	2.75	6	10	<5	4	2.20	<0.5	27	29	65	4.89
132	95AM013A	62 °	01 ' 34 "		160 °	56 ' 32 "		Ka	Andesite flows; secondary cal, chl	<5	<0.2	3.86	8	40	<5	2	5.49	<0.5	12	10	67	3.61
133	95AM014A	62 °	01 ' 35 "		160 °	56 ' 59 "		Ka	Vesicular pillow andesite; secondary wm, chl, cal	<5	<0.2	2.51	6	110	<5	<2	2.38	<0.5	17	4	102	3.65
134	95AM015A	62 °	01 ' 43 "		160 °	57 ' 11 "		Ka	Agglomerate	<5	<0.2	2.92	<2	40	<5	<2	7.58	<0.5	14	18	72	3.11
135	95AM016C	62 °	01 ' 35 "		160 °	57 ' 40 "		Ka	Qtz/pre veins in agglomerate	<5	<0.2	3.27	<2	10	<5	<2	5.00	<0.5	4	12	11	1.40

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
125	95AM002A	<10	<10	0.04	<10	1.91	705	<1	0.37	43	490	2	2	21	123	0.32	<10	<10	200	<10	54
125	95AM002C	<10	<10	0.12	<10	4.21	885	<1	0.16	67	660	6	<2	29	54	0.33	<10	<10	220	<10	78
126	95AM033A	<10	<10	0.19	10	0.42	430	<1	0.02	9	960	8	4	3	53	<0.01	<10	<10	32	<10	46
127	95AM082A	20	<10	0.04	<10	4.99	1240	<1	0.20	75	190	<2	<2	30	80	0.02	<10	<10	166	<10	54
128	95AM035A	<10	<10	0.22	20	1.03	490	<1	0.05	19	1160	8	2	3	105	<0.01	<10	<10	45	<10	52
129	95AWK037A	<10	<10	0.03	<10	1.13	570	<1	0.44	35	310	2	<2	4	95	0.20	<10	<10	164	<10	72
129	95AWK037B	10	10	<0.1	<10	1.69	475	<1	0.03	45	170	<2	<2	7	35	0.12	<10	<10	151	<10	40
129	95AWK037C	<10	<10	0.07	<10	0.67	315	<1	0.41	19	330	<2	<2	4	105	0.13	<10	<10	182	<10	40
130	95AM019A	<10	10	0.01	<10	3.36	720	<1	0.15	54	260	2	<2	16	52	0.25	<10	<10	152	<10	66
131	95AM012A	<10	<10	0.01	<10	2.79	725	<1	0.03	65	230	2	<2	10	12	0.22	<10	<10	147	<10	64
132	95AM013A	<10	20	0.03	<10	1.21	475	<1	0.29	16	510	<2	<2	8	92	0.36	<10	<10	217	<10	68
133	95AM014A	<10	10	0.11	<10	2.19	605	<1	0.09	30	410	<2	2	6	30	0.29	<10	<10	120	<10	64
134	95AM015A	<10	<10	0.04	<10	1.87	1610	<1	0.08	21	550	<2	<2	11	45	0.23	<10	<10	126	<10	54
135	95AM016C	<10	<10	<0.1	<10	0.42	90	<1	<0.01	9	<10	<2	<2	4	8	0.06	<10	<10	101	<10	12

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)		LONGITUDE(W)		UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
135	95AM016D	62 ° 01 ' 35 "		160 ° 57 ' 40 "		Ka	Altered agglomerate; laced with secondary opq	<5	<0.2	3.73	32	90	<5	<2	4.85	<0.5	28	100	61	5.28
136	95AM018A	62 ° 01 ' 36 "		160 ° 58 ' 08 "		Ka	Agglomerate; chl alteration	<5	<0.2	4.67	8	30	<5	6	2.70	<0.5	38	53	69	5.57
136	95AM018B	62 ° 01 ' 36 "		160 ° 58 ' 08 "		Ka	Qtz vein in agglomerate	<5	<0.2	7.08	<2	40	<5	<2	8.97	<0.5	16	33	77	3.26
137	95AM076A	62 ° 01 ' 11 "		160 ° 59 ' 13 "		Ka	Agglomerate; secondary mica	<5	<0.2	3.70	8	40	<5	4	1.54	<0.5	30	31	78	4.98
138	95AM075B	62 ° 01 ' 31 "		160 ° 59 ' 52 "		Ka	Altered intermediate tuff clast in agglomerate	<5	<0.2	3.53	2	80	<5	2	3.29	0.5	29	9	101	3.10
139	95AM010B	62 ° 01 ' 56 "		161 ° 00 ' 21 "		Ka	Volcaniclastic sandstone; secondary chl, cal	<5	<0.2	4.96	20	150	<5	4	2.56	<0.5	20	12	78	4.79
140	95AM009B	62 ° 01 ' 52 "		161 ° 00 ' 28 "		Ka	Crystal-lithic tuff; secondary chl	<5	<0.2	5.08	20	80	0.5	2	2.79	<0.5	16	41	41	2.92
141	95AWK036A	62 ° 01 ' 38 "		161 ° 00 ' 40 "		Ka	Volcaniclastic sandstone	<5	<0.2	4.90	8	310	<5	<2	1.68	<0.5	26	21	78	5.31
142	95BF066	62 ° 01 ' 32 "		161 ° 01 ' 11 "		Ka	Volcaniclastic sandstone	<5	<0.2	4.38	4	190	<5	<2	2.83	<0.5	21	23	54	5.02
143	95BF067	62 ° 01 ' 28 "		161 ° 01 ' 19 "		Ka	Andesite flows	<5	<0.2	2.39	<2	130	<5	4	1.76	<0.5	9	7	20	3.07
143	95BF067B	62 ° 01 ' 28 "		161 ° 01 ' 19 "		Ka	Andesite flows	<5	<0.2	4.64	2	160	<5	6	3.12	<0.5	15	20	52	3.74
144	95BF023	62 ° 01 ' 30 "		161 ° 04 ' 06 "		TKdm	Cpx diabase	<5	<0.2	1.36	<2	220	<5	2	0.90	<0.5	13	<1	112	5.23
145	95BF019	62 ° 01 ' 59 "		161 ° 04 ' 29 "		Kt	Volcaniclastic sandstone	<5	0.2	1.88	6	160	1.0	4	3.10	<0.5	10	4	31	4.30
146	95BF020	62 ° 01 ' 50 "		161 ° 04 ' 30 "		Kt	Crystal-lithic tuff	<5	0.4	2.75	10	80	1.0	2	2.18	<0.5	13	7	55	5.03
147	95BF021	62 ° 01 ' 46 "		161 ° 04 ' 31 "		Kt	Crystal-lithic tuff	<5	<0.2	3.60	4	780	0.5	6	2.90	<0.5	7	<1	19	3.58
148	95BF022	62 ° 01 ' 38 "		161 ° 04 ' 25 "		Kt	Crystal-lithic tuff	<5	<0.2	4.53	4	1590	0.5	10	2.81	<0.5	6	2	40	3.03
148	95BF022B	62 ° 01 ' 38 "		161 ° 04 ' 25 "		Kt	Silty tuff; organic shapes	<5	<0.2	2.16	8	390	0.5	<2	1.04	<0.5	11	15	66	3.44
149	95BF025	62 ° 01 ' 31 "		161 ° 04 ' 30 "		Kt	Reworked tuff	<5	<0.2	2.78	6	110	0.5	<2	3.57	<0.5	17	14	82	4.67
149	95BF025d	62 ° 01 ' 31 "		161 ° 04 ' 30 "		Kt	Reworked tuff	<5	<0.2	03	10	170	0.5	<2	3.47	<0.5	17	14	82	4.88

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
135	95AM016D	<10	530	0.01	<10	1.01	200	<1	0.20	62	280	6	<2	10	63	0.19	<10	<10	257	<10	38
136	95AM018A	10	<10	<.01	<10	2.84	805	<1	<0.01	87	150	<2	<2	22	11	0.27	<10	<10	246	<10	70
136	95AM018B	10	<10	<.01	<10	0.99	545	<1	0.01	34	200	2	4	12	16	0.14	<10	<10	208	<10	38
137	95AM076A	10	20	0.04	<10	3.26	490	<1	0.09	80	180	<2	<2	17	34	0.28	<10	<10	133	<10	60
138	95AM075B	<10	10	0.05	<10	1.49	430	<1	0.33	71	320	<2	<2	3	73	0.20	<10	<10	123	<10	52
139	95AM010B	<10	10	0.06	<10	1.68	910	<1	0.41	13	660	6	<2	16	53	0.32	<10	<10	181	<10	80
140	95AM009B	<10	60	0.04	<10	2.14	640	<1	0.32	41	390	22	4	7	104	0.18	<10	<10	69	<10	58
141	95AWK036A	10	20	0.07	<10	2.99	590	<1	0.12	60	170	4	<2	14	77	0.29	<10	<10	157	<10	74
142	95BF066	10	10	0.08	<10	2.64	925	<1	0.08	28	550	12	<2	17	182	0.30	<10	<10	130	<10	74
143	95BF067	10	10	0.08	<10	0.86	540	<1	0.35	7	670	6	<2	8	60	0.29	<10	<10	100	<10	86
143	95BF067B	10	10	0.07	<10	0.83	815	<1	0.51	11	860	8	<2	3	137	0.29	<10	<10	179	<10	58
144	95BF023	<10	<10	0.03	<10	0.56	825	<1	0.07	<1	870	20	<2	5	18	0.47	<10	<10	203	<10	108
145	95BF019	10	<10	0.03	10	0.57	680	2	0.04	5	630	8	<2	14	10	0.43	<10	<10	123	<10	76
146	95BF020	10	10	0.06	10	1.01	865	2	0.02	6	910	12	<2	20	8	0.55	<10	<10	133	<10	88
147	95BF021	<10	10	0.22	10	0.82	915	1	0.24	1	1070	6	<2	14	471	0.39	<10	<10	65	<10	74
148	95BF022	<10	10	0.28	10	0.67	620	<1	0.18	4	420	22	<2	9	304	0.20	<10	<10	44	<10	62
148	95BF022B	10	20	0.26	10	0.75	630	<1	0.07	16	490	14	<2	15	101	0.30	<10	<10	104	<10	86
149	95BF025	<10	<10	0.04	<10	0.99	885	<1	0.04	9	590	4	<2	19	9	0.35	<10	<10	207	<10	76
149	95BF025d	10	<10	0.12	<10	1.10	955	<1	0.09	8	620	8	<2	20	34	0.36	<10	<10	208	<10	82

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)		LONGITUDE(W)		UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
150	95BF026	62 °	01 ' 27 "	161 °	04 ' 31 "	Kt	Crystal-lithic tuff	<5	<0.2	4.49	12	1530	0.5	4	2.84	<0.5	7	2	43	3.19
151	95BF027	62 °	01 ' 11 "	161 °	04 ' 33 "	Kt	Silty tuff; organic shapes	<5	0.2	4.34	4	920	0.5	<2	2.77	<0.5	3	<1	30	2.60
152	95BF062	62 °	01 ' 13 "	161 °	03 ' 01 "	Kt	Volcaniclastic sandstone	<5	0.2	2.92	12	220	0.5	<2	1.79	<0.5	14	11	51	4.20
153	95BF063	62 °	01 ' 11 "	161 °	03 ' 11 "	Kt	Crystal-lithic tuff	<5	0.2	4.75	14	1380	0.5	4	3.10	<0.5	7	<1	43	3.18
153	95BF063d	62 °	01 ' 11 "	161 °	03 ' 11 "	Kt	Crystal-lithic tuff	<5	<0.2	05	12	1470	0.5	10	3.11	<0.5	6	<1	40	3.08
154	95BF064	62 °	01 ' 13 "	161 °	03 ' 19 "	Kt	Volcaniclastic sandstone	<5	0.2	1.83	12	280	0.5	<2	1.51	<0.5	16	10	45	4.75
155	95BF065	62 °	01 ' 09 "	161 °	03 ' 29 "	Kt	Siltstone; organic shapes	<5	0.2	2.54	94	180	0.5	<2	0.69	<0.5	12	11	55	3.14
156	95AM073A	62 °	01 ' 32 "	161 °	05 ' 47 "	Kt	Fine grained silty tuff; altered glass; intermediate composition	<5	<0.2	6.46	6	1730	4.0	4	2.79	<0.5	3	<1	14	2.29
156	95AM073B	62 °	01 ' 32 "	161 °	05 ' 47 "	Kt	Ferruginous(?) altered tuff	<5	<0.2	4.63	4	170	1.5	<2	0.71	<0.5	5	3	23	3.32
157	95AM043A	62 °	01 ' 57 "	161 °	07 ' 38 "	Kt	Tuffaceous siltstone	<5	<0.2	3.46	12	1240	0.5	2	2.01	<0.5	10	6	49	3.73
157	95AM043B	62 °	01 ' 57 "	161 °	07 ' 38 "	Kt	Volcaniclastic sandstone	<5	<0.2	1.37	<2	150	1.0	2	2.03	<0.5	11	17	28	3.12
158	95BF061	62 °	00 ' 17 "	161 °	06 ' 19 "	Kt	Crystal-lithic tuff	<5	<0.2	5.44	18	1040	1.0	4	3.56	<0.5	6	<1	22	3.54
158	95BF061d	62 °	00 ' 17 "	161 °	06 ' 19 "	Kt	Crystal-lithic tuff	<5	<0.2	05	12	860	1.0	<2	3.21	<0.5	7	<1	22	3.78
159	95BF060	62 °	00 ' 21 "	161 °	06 ' 11 "	Kt	Reworked tuff	<5	<0.2	2.57	12	230	0.5	4	1.03	<0.5	16	10	61	6.02
160	95BF058	62 °	00 ' 30 "	161 °	06 ' 10 "	Kt	Crystal-lithic tuff	<5	<0.2	4.88	8	4720	1.0	2	2.63	<0.5	4	<1	19	3.09
161	95BF059	62 °	00 ' 32 "	161 °	06 ' 18 "	Kt	Crystal-lithic tuff	<5	<0.2	4.81	24	1480	1.0	2	2.82	<0.5	6	<1	25	3.66
162	95BF055	62 °	00 ' 47 "	161 °	06 ' 09 "	Kt	Crystal-lithic tuff	<5	<0.2	4.24	6	40	0.5	<2	0.46	<0.5	3	1	21	2.81
163	95BF056	62 °	04 ' 42 "	161 °	03 ' 39 "	Kt	Volcaniclastic sandstone	<5	<0.2	2.35	6	150	1.0	4	1.31	<0.5	11	17	24	3.95
164	95BF057	62 °	00 ' 38 "	161 °	03 ' 39 "	Kt	Crystal-lithic tuff	<5	<0.2	5.37	6	3540	1.0	<2	3.94	<0.5	7	<1	19	3.54
164	95BF057B	62 °	00 ' 38 "	161 °	03 ' 39 "	Kt	Ash Flow tuff	<5	<0.2	5.76	6	5140	1.0	2	3.03	<0.5	2	<1	19	1.93
165	95AWK024A	62 °	00 ' 34 "	161 °	05 ' 55 "	Kt	Crystal-lithic tuff	<5	<0.2	5.18	12	2170	1.0	<2	3.25	<0.5	8	4	48	3.44
165	95AWK024B	62 °	00 ' 34 "	161 °	05 ' 55 "	Kt	Crystal-lithic tuff	<5	<0.2	6.32	4	2480	1.0	<2	3.91	<0.5	3	<1	39	2.01

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
150	95BF026	10	10	0.38	10	0.71	635	<1	0.15	3	470	24	2	9	374	0.17	<10	<10	38	<10	68
151	95BF027	10	20	0.22	10	0.45	835	<1	0.25	2	340	16	<2	11	319	0.10	<10	<10	26	<10	74
152	95BF062	10	20	0.10	10	0.90	835	<1	0.08	11	560	14	<2	17	46	0.33	<10	<10	133	<10	88
153	95BF063	10	10	0.25	10	0.62	645	1	0.13	1	550	30	<2	10	295	0.18	<10	<10	33	<10	70
153	95BF063d	10	10	0.30	10	0.62	620	1	0.13	1	520	30	<2	9	298	0.17	32	<10	70		
154	95BF064	10	30	0.09	10	1.03	1085	<1	0.07	9	630	12	<2	16	30	0.43	<10	<10	148	<10	82
155	95BF065	<10	60	0.15	10	0.67	475	<1	0.75	17	510	16	<2	15	40	0.32	<10	<10	106	<10	94
156	95AM073A	10	20	0.40	20	0.43	740	<1	1.95	1	340	24	<2	4	759	0.12	<10	<10	15	<10	104
156	95AM073B	10	20	0.29	10	0.54	955	<1	2.60	5	220	20	2	7	89	0.21	<10	<10	30	<10	102
157	95AM043A	<10	90	0.19	10	1.08	740	1	0.27	9	660	10	<2	13	614	0.31	<10	<10	80	<10	92
157	95AM043B	<10	30	0.09	20	0.69	500	<1	0.11	13	250	22	<2	14	23	0.36	<10	<10	98	<10	82
158	95BF061	10	20	0.20	10	0.78	1020	<1	0.31	<1	650	10	<2	9	413	0.25	<10	<10	36	<10	100
158	95BF061d	10	10	0.24	10	0.89	1090	1	0.39	1	750	20	<2	10	328	0.29	<10	<10	46	<10	102
159	95BF060	20	60	0.04	10	1.69	1265	1	0.03	7	1150	12	<2	23	22	0.62	<10	<10	141	<10	96
160	95BF058	10	50	0.20	10	0.88	900	<1	0.33	<1	490	10	<2	10	2430	0.22	<10	<10	46	<10	92
161	95BF059	10	30	0.28	10	0.78	1120	<1	0.43	1	720	14	<2	8	611	0.29	<10	<10	38	<10	100
162	95BF055	10	10	0.10	10	0.46	1025	<1	2.68	3	330	10	<2	7	16	0.21	<10	<10	23	<10	82
163	95BF056	10	30	0.09	10	1.01	760	1	0.79	8	700	18	<2	17	15	0.44	<10	<10	109	<10	82
164	95BF057	10	50	0.20	10	0.93	855	<1	0.25	<1	950	6	<2	12	1600	0.26	<10	<10	49	<10	84
164	95BF057B	<10	20	0.24	10	0.44	440	<1	0.73	1	320	30	<2	3	1910	0.08	<10	<10	19	<10	46
165	95AWK024A	10	60	0.21	10	0.94	700	<1	0.17	4	570	22	<2	11	749	0.21	<10	<10	49	<10	72
165	95AWK024B	10	20	0.30	10	0.47	440	<1	0.53	<1	310	28	<2	4	582	0.11	<10	<10	19	<10	54

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)		LONGITUDE(W)		UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
166	95AWK025A	62 °	00 ' 25 "	161 °	05 ' 44 "	Kt	Crystal-lithic tuff	<5	<0.2	1.79	8	90	1.0	<2	1.84	<0.5	9	2	24	3.98
167	95AWK026A	62 °	00 ' 28 "	161 °	05 ' 24 "	Kt	Silty tuff; organic forms	<5	<0.2	5.45	6	1330	1.0	<2	3.72	<0.5	7	<1	23	3.80
168	95AM071A	62 °	00 ' 40 "	161 °	05 ' 21 "	TKdm	Clinopyroxene diabase; secondary bio, cal	<5	<0.2	1.24	4	170	0.5	2	1.54	<0.5	16	<1	75	6.02
169	95AWK028A	62 °	00 ' 59 "	161 °	04 ' 04 "	Kt	Crystal-lithic tuff	<5	<0.2	4.49	<2	270	0.5	<2	3.00	<0.5	14	8	47	4.23
170	95AWK029A	62 °	00 ' 52 "	161 °	04 ' 10 "	Kt	Crystal-lithic tuff	<5	<0.2	3.67	8	840	0.5	4	4.14	<0.5	12	3	28	5.63
171	95AWK030B	62 °	00 ' 44 "	161 °	04 ' 09 "	Kt	Crystal-lithic tuff	<5	<0.2	3.81	4	240	0.5	12	2.47	<0.5	11	4	45	4.85
172	95AWK031A	62 °	00 ' 37 "	161 °	04 ' 05 "	Kt	Crystal-lithic tuff	<5	<0.2	3.09	2	50	0.5	4	2.14	<0.5	10	<1	37	4.54
173	95AWK027A	62 °	00 ' 14 "	161 °	05 ' 21 "	Kt	Silty tuff; organic forms?	<5	<0.2	1.46	14	370	0.5	2	0.47	<0.5	13	22	77	2.73
173	95AWK027Ad	62 °	00 ' 14 "	161 °	05 ' 21 "	Kt	Silty tuff; organic forms?	<5	<0.2	01	10	300	0.5	<2	0.52	<0.5	11	19	67	2.72
174	95AM072A	62 °	00 ' 04 "	161 °	05 ' 16 "	Kt	Altered intermediatecrystal-lithic tuff; secondary chl, cal	<5	<0.2	4.60	8	1150	0.5	2	4.56	<0.5	6	<1	19	3.72
174	95AM072Ad	62 °	00 ' 04 "	161 °	05 ' 16 "	Kt	Altered intermediatecrystal-lithic tuff; secondary chl, cal	<5	<0.2	06	8	80	<0.5	<2	2.96	<0.5	20	33	78	4.59
175	95AM069A	62 °	00 ' 46 "	161 °	02 ' 38 "	Ka	Altered clinopyroxene andesite flow	<5	<0.2	4.08	4	160	<5	2	2.48	<0.5	15	1	66	4.05
175	95AM069Ad	62 °	00 ' 46 "	161 °	02 ' 38 "	Ka	Altered clinopyroxene andesite flow	<5	<0.2	04	4	180	<0.5	<2	2.63	<0.5	15	2	65	3.77
175	95AM069B	62 °	00 ' 46 "	161 °	02 ' 38 "	Ka	Altered clinopyroxene andesite flow; secondary opq, cal, chl	<5	<0.2	2.79	2	210	<5	<2	2.85	<0.5	11	<1	19	3.58

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
166	95AWK025A	10	10	0.08	10	0.82	730	1	0.06	3	710	12	<2	17	19	0.39	<10	<10	109	<10	84
167	95AWK026A	10	10	0.18	10	0.90	815	1	0.59	<1	980	12	<2	14	629	0.31	<10	<10	57	<10	94
168	95AM071A	10	20	0.05	10	0.97	1035	<1	0.04	<1	660	6	<2	19	11	0.44	<10	<10	194	<10	96
169	95AWK028A	10	10	0.09	<10	1.08	755	1	0.50	9	750	16	<2	11	224	0.30	<10	<10	166	<10	74
170	95AWK029A	10	200	0.09	<10	0.78	2830	<1	0.07	2	750	6	2	23	303	0.42	<10	<10	169	<10	124
171	95AWK030B	10	90	0.11	10	1.04	1410	<1	0.02	6	830	12	<2	18	22	0.37	<10	<10	105	<10	96
172	95AWK031A	10	20	0.12	<10	0.97	1005	<1	0.02	1	680	6	<2	17	12	0.37	<10	<10	86	<10	90
173	95AWK027A	<10	40	0.24	<10	0.66	545	<1	0.04	33	340	12	<2	11	31	0.22	<10	<10	91	<10	120
173	95AWK027Ad	10	20	0.19	<10	0.69	590	<1	0.03	29	330	8	<2	10	52	0.21	<10	<10	82	<10	106
174	95AM072A	10	20	0.19	10	0.89	1320	<1	0.17	<1	860	6	<2	14	1135	0.32	<10	<10	57	<10	78
174	95AM072Ad	10	<10	0.01	<10	2.78	415	<1	0.26	39	190	2	<2	22	106	0.34	<10	<10	185	<10	62
175	95AM069A	10	10	0.08	<10	0.95	590	<1	0.38	5	680	10	<2	7	101	0.27	<10	<10	160	<10	58
175	95AM069Ad	10	<10	0.08	<10	0.80	620	<1	0.37	5	670	10	2	5	136	0.23	<10	<10	161	<10	54
175	95AM069B	10	<10	0.11	10	0.58	800	<1	0.32	2	830	8	2	6	69	0.28	<10	<10	162	<10	76

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)			LONGITUDE(W)			UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
175	95AM069C	62 °	00 ' 46 "		161 °	02 ' 38 "		Ka	Altered volcanic flow; secondary pumpellyite	<5	<0.2	3.87	10	130	<5	4	3.02	<0.5	9	14	6	3.20
176	95AM070A	62 °	00 ' 31 "		161 °	02 ' 38 "		Ka	Lapilli tuff	<5	<0.2	4.51	2	210	<5	4	2.58	<0.5	13	<1	33	4.40
177	95AM074A	62 °	00 ' 51 "		161 °	01 ' 20 "		Ka	Clinopyroxene andesite flow; secondary cal, chl, pumpellyite	<5	<0.2	4.67	2	100	<5	2	3.48	<0.5	9	15	54	3.18
178	95BF070	62 °	00 ' 13 "		161 °	00 ' 19 "		Ka	Andesite flows	<5	<0.2	4.61	6	100	<5	8	2.10	<0.5	24	27	55	5.08
179	95AM023A	62 °	00 ' 07 "		160 °	57 ' 10 "		Ks	Graywacke sandstone, coarse to very fine grain size	<5	<0.2	2.63	8	220	<0.5	2	1.04	<0.5	16	80	46	3.92
179	95AM023Ad	62 °	00 ' 07 "		160 °	57 ' 10 "		Ks	Graywacke sandstone, coarse to very fine grain size	<5	<0.2	2.6	6	220	<0.5	<2	1.07	<0.5	19	76	42	3.63
180	95AM025A	62 °	00 ' 03 "		160 °	56 ' 25 "		TKdf	Hornblende plagioclase; porphyritic dike; secondary wm, opq	<5	<0.2	1.50	4	80	<5	<2	0.73	<0.5	3	6	8	1.45
180	95AM025B	62 °	00 ' 03 "		160 °	56 ' 25 "		Ks	Volcaniclastic sandstone; very coarse to very fine grained	<5	<0.2	2.42	<2	130	<5	2	0.86	<0.5	14	78	47	4.12
181	95AM022A	62 °	00 ' 25 "		160 °	55 ' 00 "		Ks	Fine- to medium-grained graywacke	<5	<0.2	2.56	12	610	<5	2	1.76	<0.5	17	69	46	3.83
181	95AM022Ad	62 °	00 ' 25 "		160 °	55 ' 00 "		Ks	Fine- to medium-grained graywacke	<5	<0.2	0.3	2	450	<0.5	<2	0.90	<0.5	19	83	50	4.36
181	95AM022B	62 °	00 ' 25 "		160 °	55 ' 00 "		Ks	Volcaniclastic sandstone, fine- to medium-grained; secondary cal	<5	<0.2	2.04	8	510	<5	2	4.04	<0.5	15	66	36	3.26
181	95AM022C	62 °	00 ' 25 "		160 °	55 ' 00 "		TKdf	Altered felsic to intermediate porphyritic dike	<5	<0.2	1.74	<2	320	<5	<2	1.19	<0.5	9	50	37	2.57

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
175	95AM069C	10	<10	0.35	<10	0.49	320	<1	0.44	33	330	2	<2	3	80	0.21	<10	<10	79	<10	82
176	95AM070A	10	<10	0.17	10	1.14	840	<1	0.64	1	650	12	<2	8	184	0.26	<10	<10	114	<10	74
177	95AM074A	<10	10	0.10	<10	0.66	530	<1	0.46	12	620	<2	<2	7	117	0.24	<10	<10	161	<10	74
178	95BF070	10	150	0.01	<10	2.59	865	<1	0.25	39	360	<2	<2	20	82	0.36	<10	<10	216	<10	64
		<10	60	0.16	10	1.74	915	<1	0.13	48	940	4	2	15	55	0.13	<10	<10	120	<10	78
179	95AM023Ad	10	50	0.17	<10	1.73	885	<1	0.03	49	730	6	<2	13	36	0.24	<10	<10	112	<10	70
180	95AM025A	<10	60	0.11	10	0.35	300	<1	0.08	4	350	12	<2	2	25	0.14	<10	<10	23	<10	38
180	95AM025B	<10	20	0.07	<10	1.60	850	<1	0.01	52	740	4	<2	13	29	0.25	<10	<10	134	<10	68
181	95AM022A	<10	40	0.27	10	1.66	900	<1	0.13	48	940	4	2	15	55	0.13	<10	<10	120	<10	78
181	95AM022Ad	10	40	0.28	<10	2.10	770	<1	0.14	51	810	6	<2	16	51	0.15	<10	<10	148	<10	74
181	95AM022B	<10	20	0.13	<10	1.40	1275	<1	0.10	46	690	4	<2	14	59	0.24	<10	<10	114	<10	66
181	95AM022C	<10	30	0.11	10	1.27	430	<1	0.11	34	920	4	<2	6	81	0.10	<10	<10	62	<10	52

Table 2. Continued

MAP#	SAMPLE	LATITUDE(N)			LONGITUDE(W)			UNIT	DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
181	95AM022D	62 °	00 ' 25 "		160 °	55 ' 00 "		TKdf	Clinopyroxene porphyritic intermediate dike; secondary ep	<5	<0.2	1.44	<2	290	<5	<2	0.74	<0.5	8	24	28	2.06
181	95AM022E	62 °	00 ' 25 "		160 °	55 ' 00 "		Ks	Hornfels siltstone	<5	<0.2	2.15	28	170	1.0	<2	0.43	<0.5	21	60	100	3.56
182	95AM021B	62 °	00 ' 32 "		160 °	54 ' 20 "		TKdf	Iron oxide stained felsic porphyritic dike; secondary wm	<5	<0.2	1.68	6	130	<0.5	<2	0.08	<0.5	4	13	8	1.93
183	95AM020A	62 °	00 ' 28 "		160 °	53 ' 55 "		Ks	Fine- medium- grained sandstone	<5	<0.2	2.32	8	240	<5	2	0.72	<0.5	17	88	40	3.90
183	95AM020B	62 °	00 ' 28 "		160 °	53 ' 55 "		TKdf	Porphyritic felsic dike; disseminated sulfides, secondary wm	<5	<0.2	1.77	<2	190	0.5	<2	0.85	<0.5	9	18	28	2.29
184	95AM081A	62 °	00 ' 05 "		160 °	53 ' 11 "		Ks	Green siltstone; contains sponge spicules	<5	<0.2	0.93	2	60	<5	<2	0.04	<0.5	2	1	10	1.04
185	95AM080A	62 °	00 ' 16 "		160 °	52 ' 38 "		Ks	Hem altered felsic tuff	<5	<0.2	1.18	12	30	<5	<2	0.07	<0.5	1	1	6	1.02
185	95AM080B	62 °	00 ' 16 "		160 °	52 ' 38 "		Ks	Limey sandstone, medium grained	<5	<0.2	0.84	<2	90	<5	<2	1.48	<0.5	8	7	8	2.67
186	5AEb003A	62 °	03 ' 33 "		161 °	00 ' 25 "			Rhyolite porphyry	<5	<0.2	3.2	12	260	<5	0	1.63	2.0	8	14	30	2.35
186	5AEb003B	62 °	03 ' 33 "		161 °	00 ' 25 "			Andesite	<5	2.2	6.5	6	120	1.0	6	3.69	4.0	9	50	60	3.61
187	5AEb019	62 °	03 ' 40 "		161 °	06 ' 26 "			Breccia	<5	<0.2	4.7	2	30	<5	2	4.68	<0.5	12	23	40	3.87
188	5AEb031	62 °	02 ' 39 "		160 °	57 ' 03 "			Rhyolite porphyry	<5	<0.2	0.6	58	70	<5	0	0.20	<0.5	2	3	10	1.37
189	5AEb037	62 °	03 ' 38 "		161 °	02 ' 17 "			Felsic flow, rhyolite porphyry, siltstone	<5	<0.2	0.6	58	70	<5	0	0.20	<0.5	2	3	10	1.37
190	5AEb041	62 °	03 ' 27 "		160 °	57 ' 26 "			Rhyolite porphyry	<5	0.2	0.6	80	40	<5	0	0.03	<0.5	<1	3	5	1.11

Table 2. Continued

MAP#	SAMPLE	Ca ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
181	95AM022D	<10	60	0.30	10	1.04	280	<1	0.22	21	560	<2	4	4	73	0.09	<10	<10	50	<10	50
181	95AM022E	<10	<10	0.36	<10	1.29	1235	2	0.13	71	800	<2	2	12	68	0.12	<10	<10	115	<10	84
182	95AM021B	<10	210	0.26	20	0.40	205	<1	0.07	11	370	8	4	2	6	0.01	<10	<10	33	<10	30
183	95AM020A	<10	10	0.16	10	1.68	945	<1	0.02	52	820	4	<2	12	41	0.29	<10	<10	117	<10	76
183	95AM020B	<10	80	0.18	20	0.97	445	<1	0.04	21	730	14	<2	3	50	0.02	<10	<10	41	<10	46
184	95AM081A	<10	130	0.32	<10	0.12	165	<1	0.06	4	210	2	<2	4	18	<0.01	<10	<10	10	<10	38
185	95AM080A	<10	870	<0.1	<10	0.04	460	<1	<0.01	3	250	2	<2	7	4	<0.01	<10	<10	12	<10	74
185	95AM080B	<10	30	0.07	<10	0.38	1360	<1	0.10	6	290	<2	<2	13	9	0.02	<10	<10	52	<10	66
186	5AEB003A		20	0.09	<10	0.97	675	1	0.28	10	910	6	<2	1	113	0.07	<10	<10	44		272
186	5AEB003B		20	0.09	<10	2.59	1100	<1	0.63	18	500	398	<2	11	146	0.15	<10	<10	106		512
187	5AEB019		10	0.01	<10	2.05	410	<1	0.05	11	560	<2	2	14	20	0.23	<10	<10	191		84
188	5AEB031		100	0.22	20	0.03	205	<1	<0.01	2	510	20	<2	2	9	<0.01	<10	<10	15		46
189	5AEB037		100	0.22	20	0.03	205	<1	<0.01	2	510	20	2	1	9	<0.01	<10	<10	19		8
190	5AEB041		550	0.01	10	<0.1	50	<1	<0.01	1	230	22	<2	1	4	<0.01	<10	<10	9		32

[cal = calcite; chl = chlorite; cpx = clinopyroxene; ep = epidote; fe = iron; feld = feldspar; hem = hematite; opq = opaque; plag = plagioclase; pre = prehnite; qtz = quartz;

Kt = Early Cretaceous tuffs, sedimentary rock, and flows; Ka = Early Cretaceous(?) agglomerate, lapilli tuff, and flows; Ks = Early Cretaceous(?) sandstone and felsic tuff,

TKdf = Late Cretaceous and early Tertiary(?) felsic and intermediate dikes; TKdm = Late Cretaceous and early Tertiary(?) mafic and intermediate dikes (Miller and others,

1996, p.4.); All sample numbers followed by a lower case "d" are duplicate samples run to check reproducibility of analyses]

Table 3. Analytical methods used, lower and upper limits of determination, and reporting units for splits of some of the rock samples collected in the Stuyahok study area by the U.S.G.S. in August 1995.

[ICP-AES, inductively coupled plasma-atomic emission spectroscopy; FA-AAS, fire assay with atomic absorption spectrometry detection; CVAAS, cold vapor atomic absorption; ppb, parts per million; all samples analyzed by Chemex Labs, Vancouver, BC Canada]

Element	ICP-AES		AAS		CVAAS	
	lower limit	upper limit	lower limit	upper limit	lower limit	upper limit
silver (Ag)	0.02 ppm	200 ppm				
arsenic (As)	0.2 ppm	5,000 ppm				
bismuth (Bi)	0.2 ppm	5,000 ppm				
cadmium (Cd)	0.1 ppm	1000 ppm				
copper (Cu)	0.2 ppm	5,000 ppm				
mercury (Hg)					10 ppb	100,000 ppb
molybdenum (Mo)	0.2 ppm	5,000 ppm				
lead (Pb)	0.5 ppm	5,000 ppm				
antimony (Sb)	0.2 ppm	1,000 ppm				
telurium (Te)			0.1 ppm	100 ppm		
thallium (Tl)			0.1 ppm	1,000 ppm		
zinc (Zn)	1 ppm	5,000 ppm				

Table 4. Supplementary geochemical data for splits of some of the rock samples collected in the Stuyahok study area by the U.S.G.S. in August 1995.

[Map# refers to location numbers in figure 2 and 3; ppm = parts per million, ppb = parts per billion]

MAP#	SAMPLE	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Tl ppm	Te ppm
39	95AWK009A	0.02	6.8	0.2	0.2	39.4	20	0.6	5.0	0.4	29	<0.1	<0.1
52	95AM030A	0.02	2.8	<0.2	<0.1	24.2	<10	0.4	3.5	0.8	56	0.1	<0.1
56	95AM086A	0.36	19.6	<0.2	0.2	139.0	20	0.2	20.5	1.6	51	0.2	<0.1
57	95AM001C	0.58	111.0	0.8	<0.1	87.4	500	2.0	16.5	19.6	110	0.1	<0.1
58	95AM085A	0.02	3.2	0.2	<0.1	22.0	<10	<0.2	6.0	1.6	58	0.4	<0.1
58	95AM085B	0.02	16.2	<0.2	<0.1	7.2	320	0.6	5.5	2.0	17	<0.1	<0.1
59	95BT243Z	0.36	40.6	0.2	<0.1	24.6	3180	4.2	38.5	29.4	81	<0.1	<0.1
60	95BT244Z	0.14	700.0	0.2	2.8	14.8	2370	3.4	30.0	103.0	319	<0.1	<0.1
61	95BT245	0.18	18.4	4.0	0.2	11.0	30	0.8	15.5	3.2	48	0.5	<0.1
63	95BT257A	0.02	2.0	0.4	<0.1	25.6	<10	<0.2	8.5	<0.2	44	0.1	<0.1
70	95AM041A	0.04	4.0	0.2	<0.1	154.0	10	<0.2	4.5	2.2	65	0.1	<0.1
108	95BF012	0.12	2.0	1.4	0.7	87.0	<10	<0.2	23.0	2.0	143	0.3	<0.1
117	95AM083A	0.40	31.6	0.2	5.9	15.8	160	<0.2	240.0	4.0	473	1.7	<0.1
117	95AM083B	0.32	11.6	0.8	0.2	67.4	<10	1.2	24.0	2.2	48	0.5	<0.1
117	95AM083C	0.30	14.2	1.4	<0.1	101.5	<10	<0.2	18.5	1.6	73	0.7	<0.1
117	95AM083D	0.30	33.0	0.6	0.1	60.8	<10	<0.2	24.5	10.8	106	0.2	<0.1
118	95AM008C	0.24	12.8	0.8	0.4	49.8	10	1.6	15.5	4.8	82	0.2	<0.1
121	95AM007C	0.02	5.6	<0.2	<0.1	8.8	<10	<0.2	3.5	0.8	15	<0.1	<0.1
122	95AM005E	0.08	7.8	<0.2	0.1	21.8	130	1.6	12.0	9.4	42	0.4	<0.1
122	95AM005F	0.14	116.0	0.2	0.2	13.6	70	1.4	21.5	9.0	56	1.3	<0.1
123	95AM004A	0.08	23.4	<0.2	<0.1	52.2	10	<0.2	4.5	4.0	76	<0.1	<0.1
123	95AM004Y	0.06	11.0	0.4	0.4	54.4	<10	<0.2	3.0	4.4	85	<0.1	<0.1
126	95AM033A	0.04	12.2	0.2	<0.1	27.0	10	0.2	8.5	2.2	46	0.1	<0.1
160	95BF058	0.06	6.8	0.4	0.1	18.6	60	0.4	12.5	<0.2	101	0.1	<0.1
181	95AM022E	0.18	23.4	0.4	0.1	98.4	<10	0.6	1.0	4.0	79	0.2	<0.1

Table 5. Analytical methods used, lower limits of determination, and reporting units for rock samples collected by T. Turner in the Stuyahok study area in 1983 and 1985.

[AAS, atomic absorption spectrometry; FA-AAS, fire assay with atomic absorption spectrometry detection; CVAAS, cold vapor atomic absorption; ppb = parts per billion; ppm = parts per million]

Element	AAS	COLORIMETRY	FA-AAS	CVAAS
	lower limit	lower limit	lower limit	lower limit
gold (Au)			5 ppb	
silver (Ag)	0.2 ppm			
arsenic (As)		2 ppm		
mercury (Hg)				5 ppb
lead (Pb)	2 ppm			
zinc (Zn)	1 ppm			

Table 6. Geochemical data for rock samples collected by T. Turner of Calista Corporation in the Stuyahok study area in 1983 and 1985.

[Map# refers to location numbers in figure 4; ppm = parts per million]

MAP #	SAMPLE	DESCRIPTION	Ag ppm	Au ppb	As ppm	Hg ppb	Pb ppm	Zn ppm
1	S17	Volcanic conglomerate	<0.2	<5	11	15	11	75
3	S10	Rhyolite	<0.2	<5	38	110	7	76
5	S7	Rhyolite	0.3	<5	80	1950	7	108
10	S22	Rhyolite	<0.2	5.0	53	130	11	40
11	S1	Rhyolite	0.4	<5	37	35	17	49
11	S3	None available	<0.2	<5	35	50	14	40
17	S6	Rhyolite	1.4	<5	12	10	20	35
21	S4	Quartz porphyry	1.1	<5	40	15	29	40
26	S5	Rhyolite	0.2	<5	150	60	11	1177
31	S8	None available	0.3	<5	30	90	11	44

Table 7. Geochemical data for rock samples collected by RAA in the Stuyahok study area in 1975.

[Map# refers to location numbers in figure 4; ppm = parts per million]

MAP #	SAMPLE	DESCRIPTION	Ag ppm	Au ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sn %	W %	Zn ppm
2	2676-R	Rhyolite porphyry (dike); pyrite		<0.1	10		9		2	15			24
4	7809-R	Fine grained light greenish brown tuff; pyrite	0.8	<0.1	<10		83	80	1	13			39
6	7813-R	Silicified graywacke or tuff breccia; pyrite, molybdenite, chalcocopyrite, pyrrhotite	2.3	<0.1	<10		92		1	500			410
7	7814-R	Dacite (?); molybdenite, pyrite	2.4	<0.1	<10		16		1	58			210
8	7815-R	Dacite & rhyolite porphyry; pyrite	1.2	<0.1	10		26		1	22			196
9	2674-R	Rhyolite porphyry; pyrite		0.1	20		42		2	100			110
12	2389-R	None available	0.6	<0.1	35		43			16			
13	7834-R	Siliceous tuff, tuff breccia			<10		68		2	23			93
14	2668-R	Andesitic breccia; pyrite, pyrrhotite; Manganese oxide on fractures		0.1			58		4	30			84
15	2194-R	None available	0.9	<0.1	<5		38		<1	38			340
16	2229-R	None available	0.7	<0.1	80		67			44			77
18	2663-R	Andesitic to basaltic breccia; chlorite, epidote, hematite		<0.1	<10		51		2	20			84
19	2661-R	Fine-medium grained chloritized andesite interbedded with volcanic breccia; pyrite, pyrrhotite.		<0.1	<10		39		2	20			82
20	2228-R	None available	2.4	<0.1	<5		55			2600			1090
22	2226-R	None available	0.1	<0.1	<5		10			10			52
23	7841-R	Quartz-carbonate vein			<10		15		3	41			50

Table 7. Continued

	MAP # SAMPLE	DESCRIPTION	Ag ppm	Au ppm	As ppm	Cr ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sn %	W %	Zn ppm
24	7840-R	Porphyritic andesite (?); pyrite, chlorite, sphalerite, galena, chalcopyrite	1.5	<0.1	<10		58		1	40			400
25	2227-R	None available	0.3	<0.1	300	300	33			27			84
27	7838-R	Dacite porphyry breccia; epidote, galena, pyrite, chalcopyrite, pyrrhotite	4.5	<0.1	10		69		2	970			620
28	2655-R	breccia; pyrite, pyrrhotite, epidote,		<0.1	<10		63		1	10			86
29	7836-R	Siliceous volcanic breccia, tuff, flows		<0.1	<10		43		2	15			44
30	2651-R	Volcanic breccia; pyrite, epidote, chlorite		<0.1	<10		49		1	8	<0.005	<0.005	88

Table 8. Analytical methods used, lower limits of determination, and reporting units for reanalyzed splits of RAA samples.

[ICP-AES, inductively coupled plasma-atomic emission spectroscopy; FA-AAS, fire assay with atomic absorption spectrometry detection; CVAAS, cold vapor atomic absorption spectrometry; XRF, x-ray fluorescence spectrometry; ppm = parts per million; ppb = parts per billion; all samples analyzed by Bondar Clegg]

Element	ICP-AES	FA-AAS	CVAAS	XRF
	lower limit	lower limit	lower limit	lower limit
gold (Au)		5 ppb		
silver (Ag)	0.2 ppm			
arsenic (As)	5 ppm			
barium (Ba)				20
bismuth (Bi)	2 ppm			
cobalt (Co)	1 ppm			
chromium (Cr)	1 ppm			
copper (Cu)	1 ppm			
mercury (Hg)			5 ppb	
manganese (Mn)	1 ppm			
molybdenum (Mo)	1 ppm			
nickel (Ni)	1 ppm			
lead (Pb)	2 ppm			
antimony (Sb)	5 ppm			
Selenium (Se)	5 ppm			
tungsten (W)	10 ppm			
zinc (Zn)	1 ppm			

Table 9. Geochemical data for reanalyzed splits of RAA samples.

[Map # refers to location numbers in figure 4; ppm = parts per million; ppb = parts per billion]

MAP #	SAMPLE	Ag ppm	Au ppb	As ppm	Ba ppm	Bi ppm	Co ppm	Cr ppm	Cu ppm	Hg ppb	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	W ppm	Zn ppm
4	7809	<0.2	<5	56	1300	11	6	59	77	235	1073	2	16	9	18	<5	<10	31
6	7813	0.9	<5	107	1200	32	14	45	94	>5000	1350	2	21	495	40	<5	<10	440
7	7814	0.7	<5	148	1300	41	16	100	14	3500	1361	2	43	60	57	6	<10	195
8	7815	0.3	<5	87	1600	20	7	48	22	4400	1098	2	18	20	27	<5	<10	184
12	2389	<0.2	20.0	150	1100	23	14	60	41	285	798	<1	33	5	33	<5	<10	79
13	7834	<0.2	<5	112	940	36	19	14	81	4350	1306	2	8	16	44	<5	<10	92
16	2229	0.2	7.0	297	<20	42	31	49	77	450	1165	2	37	38	90	<5	<10	90
20	2228	2.8	<5	172	90	47	12	267	72	145	4060	<1	60	2526	66	<5	<10	1321
22	2226	<0.2	<5	77	2100	20	7	51	7	50	352	2	16	6	23	<5	<10	68
23	7841	<0.2	<5	349	30	55	9	<1	17	1250	1714	<1	30	18	96	<5	65	52
24	7840	<0.2	<5	102	780	68	36	213	80	1200	2376	<1	108	28	88	<5	47	438
25	2227	<0.2	<5	114	250	30	30	259	36	40	988	<1	66	18	48	<5	<10	105
29	7836	0.2	<5	64	860	20	15	58	45	>5000	762	1	28	11	23	<5	<10	41

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