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RECONNAISSANCE GEOCHEMISTRY OF PARTS OF THE
FAIRBANKS A-4 AND HEALY D-2, D-3, and D-4
QUADRANGLES, ALASKA

By T.K. Bundtzen and W.G. Gilbert

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During the summer of 1976 the Alaska Division of Geological and Geophysical Surveys continued geological and geochemical investigations in the central Alaska Range. This report presents the results of 10 elemental analyses from 255 stream-sediment, rock, and pan-concentrate samples collected while examining rock units in the Fairbanks A-4 and Healy D-2, D-3, and D-4 quadrangles (plate 1, table 1).

Gold, silver, copper, lead, zinc, molybdenum, antimony, and potassium values were determined by Henry Potworowski of the DGGG Mineral Analysis and Research Laboratory using atomic-absorption spectrophotometry. Uranium and thorium values were determined by using fluorometric and spectrophotometric methods, respectively. Values of gold, silver, copper, lead, and zinc in stream-sediment samples were examined by using the method described by Lepeltier (1969). The following anomalous values for stream-sediment samples were chosen:

Au - $\geq .8$ ppm	Pb - ≥ 80 ppm
Ag - ≥ 1 ppm	Zn - ≥ 380 ppm
Cu - ≥ 80 ppm	Sb - ≥ 25 ppm
Mo - ≥ 30 ppm	

Anomalies for uranium, thorium, and potassium were not calculated.

The geology of the Healy D-2, D-3, D-4, and Fairbanks A-4 quadrangles has been summarized by Wahrhaftig (1970). Special thanks are due to Cheri L. Carver and John E. Decker, who assisted in the sample collection.

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- _____, 1970, Geologic map of the Healy D-3 quadrangle, Alaska: U.S. Geol. Survey Geol. Quad. Map GQ-805.
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Table 1. Geochemical analyses for stream sediments (-80 mesh) and rock samples.*

Map	Field	Au	Ag	Cu	Pb	Zn	Mo	Sb	U	Th	K ₂ O	Sample type
1	1739	0.2	0.0	8	23	37	0	0	0.5	13.8	2.34	Stream
2	1736	0.0	0.0	6	21	23	0	0	0.5	22.5	4.16	Stream
3	1738	0.0	0.0	24	16	164	0	0	1.1	12.0	2.81	Stream
4	1740	0.0	0.0	7	18	27	0	0	0.5	12.3	2.65	Stream
5	1741	0.0	0.0	10	30	37	0	0	0.7	15.0	2.76	Stream
6	1743	0.0	0.2	13	77	77	0	0	1.6	26.0	3.73	Stream
7a	104TB	<u>11.7**</u>	3.1	14	71	27	0	5	0.9	24.3	- -	Pan concentrate
7b	105TB	7.6	1.0	4	95	48	2	<u>560</u>	1.6	21.3	- -	Pan concentrate
8	1744	0.0	0.2	12	81	62	0	1	0.5	26.8	3.77	Stream
9	1745	0.0	0.1	29	19	81	0	2	0.8	10.8	2.17	Stream
10	1746	0.0	0.0	14	96	80	0	0	0.6	26.8	3.48	Stream
11	1747	0.0	0.0	20	62	86	0	0	0.3	25.8	4.69	Stream
12	1742	0.0	0.0	10	35	36	0	0	0.4	17.0	5.10	Stream
13	2075	0.0	<u>11.4</u>	<u>145</u>	<u>7,400</u>	280	2	<u>640,000</u>	- -	- -	- -	Mineralized vein
14	2076	<u>10.4</u>	<u>175.0</u>	<u>1,650</u>	<u>76</u>	49	<u>41</u>	<u>950</u>	- -	- -	- -	Mineralized vein
15	2074	<u>7.5</u>	<u>4.8</u>	<u>3,050</u>	<u>172</u>	31	34	<u>223</u>	- -	- -	- -	Mineralized vein
16	1562	0.2	0.0	17	10	45	<u>1</u>	57	0.0	9.0	1.59	Stream
17	1563	0.0	0.0	7	6	25	0	0	0.5	8.3	1.76	Stream
18	1564	- -	<u>1.5</u>	29	<u>308</u>	370	2	<u>2,100</u>	- -	15.0	- -	Stream
19	1565	0.4	<u>0.0</u>	6	<u>5</u>	21	1	0	0.2	4.8	1.69	Stream
20	1568	0.4	0.0	7	7	26	<u>1</u>	0	0.1	7.3	1.62	Stream
21	1566	0.1	0.0	11	11	30	<u>1</u>	0	0.2	11.5	2.08	Stream
22	1567	0.0	0.0	12	13	27	<u>2</u>	0	1.1	31.8	2.59	Stream
23	1572	0.0	0.0	53	37	160	4	0	0.8	17.0	2.58	Stream
24	1570	<u>1.3</u>	0.0	6	7	18	0	0	0.9	6.5	1.60	Stream
25	1571	<u>0.6</u>	0.0	9	6	25	2	0	0.0	9.0	1.69	Stream

*All values in ppm except for the K₂O, which is in percent.

**Anomalous values are underlined

Table 1. (Cont.)

Map	Field	Au	Ag	Cu	Pb	Zn	Mo	Sb	U	Th	K ₂ O	Sample type
26	1569	0.3	0.0	12	14	54	1	0	0.4	10.6	2.16	Stream
27	1560	0.0	0.0	14	7	40	5	1	0.4	7.3	1.94	Stream
28	1561	0.0	0.0	27	10	61	8	5	0.5	8.5	2.16	Stream
29	1558	0.0	0.0	20	10	56	5	8	1.1	8.5	2.05	Stream
30	1559	0.0	0.0	16	13	49	3	0	1.4	9.5	2.35	Stream
31	1557	0.5	0.0	18	10	52	8	0	1.4	14.0	2.08	Stream
32	1556	0.4	0.0	13	10	46	0	25	1.8	18.3	2.08	Stream
33	1554	0.0	0.0	12	7	38	0	0	1.3	6.8	2.25	Stream
34	1555	0.7	0.0	18	12	57	1	0	1.4	10.0	2.18	Stream
35	1553	0.0	0.0	18	18	52	1	0	1.8	14.5	2.67	Stream
36	1551	0.0	0.0	12	10	28	0	0	1.1	16.0	1.79	Stream
37	1552	0.0	0.0	19	12	64	1	0	1.3	8.8	2.28	Stream
38	1550	3.1	1.1	15	12	52	0	0	1.0	7.0	2.34	Stream
39	1549	0.0	0.0	15	10	50	2	0	0.7	8.8	2.21	Stream
40	1512	0.0	0.0	18	12	68	0	0	0.7	8.0	4.77	Stream
41	1511	0.0	0.0	14	12	56	0	0	0.9	7.3	2.14	Stream
42	1510	0.0	0.0	20	24	70	0	0	0.9	8.8	3.44	Stream
43	1509	0.2	0.0	12	10	50	0	0	1.1	12.8	3.00	Stream
44	1508	1.7	0.0	28	36	39	0	0	0.6	2.8	3.45	Stream
45	1507	0.0	0.0	19	9	72	0	0	1.1	9.8	2.52	Stream
46	1505	0.0	0.0	12	5	44	0	0	0.7	6.3	2.82	Stream
47	1506	0.0	0.0	15	10	75	0	0	1.0	6.3	2.61	Stream
48	1504	0.2	0.0	16	9	58	0	0	0.6	8.0	3.39	Stream
49	1503	0.0	0.0	20	10	76	0	0	0.7	9.0	2.80	Stream
50	1501	0.1	0.0	14	22	96	0	0	0.7	31.8	2.25	Stream
51	1502	0.0	0.0	27	20	68	0	0	0.7	12.5	2.19	Stream
52	1613	0.0	0.0	22	31	330	2	0	1.1	13.8	1.91	Stream
53	1612	0.0	0.0	32	19	196	1	0	1.9	18.0	2.77	Stream
54	1611	0.0	0.0	35	21	210	2	0	1.8	17.5	2.96	Stream
55	1610	0.0	0.1	33	22	198	2	0	2.4	21.3	2.91	Stream

Table 1. (Cont.)

Map	Field	Au	Ag	Cu	Pb	Zn	Mo	Sb	U	Th	K ₂ O	Sample type
56	1608	0.0	0.0	34	21	212	2	0	1.7	20.5	3.12	Stream
57	1609	0.0	0.0	35	24	200	2	0	1.9	18.0	2.75	Stream
58	1607	0.0	0.0	26	21	168	0	0	1.7	20.5	2.98	Stream
59	1606	0.0	0.0	36	18	219	2	0	2.9	25.3	2.98	Stream
60	1605	0.0	0.0	41	25	262	3	0	2.0	19.5	2.79	Stream
61	1604	0.0	0.0	40	18	256	5	0	2.1	16.5	2.61	Stream
62	1603	0.0	0.2	47	25	266	5	0	2.3	20.0	2.65	Stream
63	1602	0.0	0.2	44	21	276	9	0	3.1	15.8	2.37	Stream
64	1601	0.0	0.4	49	28	308	6	0	2.2	21.0	3.15	Stream
65	1521	0.3	0.0	58	33	320	1	0	2.0	21.0	3.29	Stream
66	1522	0.0	0.0	52	20	183	2	0	1.5	21.3	0.38	Stream
67	1520	0.0	0.0	58	27	335	5	0	2.4	26.0	2.04	Stream
68	1523	0.0	0.1	54	28	278	1	0	1.8	20.8	2.10	Stream
69	1519	0.0	0.5	35	85	330	0	0	1.9	17.3	2.35	Stream
70	1518	0.0	0.1	58	31	290	1	10	1.8	17.0	2.41	Stream
71	1517	0.3	0.0	27	20	97	1	0	1.3	21.3	3.02	Stream
72	1515	0.0	0.0	37	27	150	1	0	1.8	16.0	3.02	Stream
73	1516	0.0	0.0	64	38	272	1	0	1.7	17.3	1.98	Stream
74	1514	0.0	0.3	70	65	243	1	0	2.8	16.0	3.04	Stream
75	1513	1.6	0.2	53	36	217	1	0	1.5	15.3	2.03	Stream
76	1524	0.9	0.0	32	20	160	1	0	1.2	9.8	2.26	Stream
77	1525	0.3	0.0	31	12	207	2	0	1.8	16.5	2.18	Stream
78	1528	1.1	0.3	32	14	203	2	0	1.8	17.5	3.01	Stream
79	1532	0.6	0.0	133	15	182	2	0	2.5	18.0	2.26	Stream
80	1527	0.8	0.0	30	11	197	1	0	1.8	18.8	2.00	Stream
81	1526	0.3	0.1	31	12	207	2	0	1.8	16.5	2.18	Stream
82	1531	1.2	0.1	38	14	183	2	0	2.0	16.3	2.31	Stream
83	1530	0.2	0.1	31	16	158	1	0	2.0	17.5	2.24	Stream
84	1529	0.0	0.2	36	15	237	3	0	2.1	16.8	2.41	Stream
85	1534	0.7	0.2	34	14	209	2	0	2.5	19.0	2.85	Stream
86	1533	0.6	0.1	32	13	204	2	0	2.5	19.8	2.45	Stream

Table 1. (Cont.)

Map	Field	Au	Ag	Cu	Pb	Zn	Mo	Sb	U	Th	K ₂ O	Sample type
87	1537	0.4	0.0	38	17	221	7	0	2.2	22.3	2.67	Stream
88	1536	0.4	0.1	40	31	268	3	0	3.1	18.3	2.58	Stream
89	1535	0.6	0.1	44	16	231	2	0	2.5	20.3	2.49	Stream
90	1540	0.0	0.0	34	31	139	0	0	1.7	23.5	3.43	Stream
91	1539	0.8	0.0	65	26	255	8	73	1.1	18.3	2.98	Stream
92	1547	0.2	0.0	38	27	105	2	0	1.4	24.5	3.32	Stream
93	1548	0.0	0.0	25	19	112	4	0	1.3	17.0	2.61	Stream
94	1544	0.0	0.1	50	26	273	1	0	2.2	20.5	2.61	Stream
95	1542	1.4	0.0	20	12	77	2	0	2.2	21.0	2.73	Stream
96	1541	0.0	1.0	24	24	98	5	0	2.0	19.5	2.71	Stream
97	1543	0.0	0.0	18	17	56	1	0	2.4	20.8	2.37	Stream
98	1546	0.3	0.0	48	35	175	2	0	2.5	22.5	3.04	Stream
99	1545	0.3	0.0	44	26	190	1	200	1.9	22.8	3.22	Stream
100	1626	0.0	0.0	39	31	109	1	32	1.7	19.8	5.16	Stream
101	1625	0.0	0.0	43	33	109	1	0	1.0	21.3	4.66	Stream
102	1624	0.0	0.0	51	35	124	0	0	1.0	24.3	4.68	Stream
103	1623	0.0	0.0	40	21	96	0	0	1.9	19.3	3.36	Stream
104	1622	0.0	0.2	59	27	246	4	0	0.7	19.5	3.62	Stream
105	1621	0.0	0.0	50	31	140	0	0	1.0	22.0	3.41	Stream
106	1620	0.0	0.0	60	22	115	0	0	1.5	26.5	3.58	Stream
107	1619	0.1	0.1	44	27	81	4	0	1.2	21.3	3.52	Stream
108	1618	0.0	0.0	56	32	105	0	0	1.0	24.3	3.61	Stream
109	1617	0.0	0.0	34	17	77	1	4	0.8	15.8	3.22	Stream
110	1616	0.0	0.0	38	23	74	0	0	1.6	25.8	4.26	Stream
111	1615	0.0	0.0	32	25	70	0	0	1.4	22.3	3.10	Stream
112	1614	0.0	0.0	35	22	85	1	0	0.7	22.0	5.54	Stream
113	1662	0.0	0.0	28	14	260	0	0	0.7	9.0	2.02	Stream
114	1660	0.0	0.0	45	31	105	0	6	1.7	13.5	1.87	Stream
115	1661	0.0	0.0	27	9	80	0	0	1.2	7.0	2.03	Stream
116	1658	0.0	0.0	30	16	94	0	0	1.5	6.8	3.65	Stream

Table 1. (Cont.)

Map	Field	Au	Ag	Cu	Pb	Zn	Mo	Sb	U	Th	K ₂ O	Sample type
117	1659	0.0	0.0	27	14	76	0	0	1.2	5.8	1.97	Stream
118	1657	0.0	0.0	30	16	94	0	0	1.5	6.8	3.65	Stream
119	1656	0.0	0.0	26	13	88	0	1	0.7	6.3	1.37	Stream
120	1637	0.0	0.1	60	33	<u>2,000</u>	1	0	2.0	11.8	2.23	Stream
121	1655	0.0	0.0	31	14	85	0	0	0.9	6.5	1.55	Stream
122	1654	0.0	0.0	22	36	132	0	0	2.0	27.5	4.10	Stream
122a	1653	0.0	0.0	28	24	100	0	8	1.5	12.0	2.26	Stream
123	1651	0.0	0.0	23	31	140	0	0	2.0	17.8	2.66	Stream
124	1652	0.0	0.0	28	13	78	0	0	1.0	5.0	1.56	Stream
125	1638	0.0	0.0	15	33	117	0	0	2.2	27.3	2.61	Stream
126	1639	0.0	0.0	26	28	147	0	0	1.1	14.3	2.81	Stream
127	1636	0.0	0.0	36	27	93	0	0	1.0	21.5	3.34	Stream
128	1635	0.0	0.0	38	25	114	1	0	1.7	23.3	3.64	Stream
129	1634	0.0	0.0	44	28	101	1	0	1.7	23.0	3.49	Stream
130	1633	0.0	0.0	50	23	<u>390</u>	2	0	1.0	20.8	2.61	Stream
131	1632	0.0	0.0	51	23	<u>429</u>	2	0	1.3	22.3	2.86	Stream
132	1631	0.0	0.0	44	24	<u>541</u>	1	0	1.0	22.0	3.53	Stream
133	1629	0.0	0.0	57	22	<u>635</u>	2	0	1.4	19.3	3.26	Stream
134	1630	0.0	0.1	50	23	<u>362</u>	2	0	1.7	20.5	3.10	Stream
135	1709	0.0	0.2	56	18	<u>620</u>	2	0	2.6	17.0	2.60	Stream
136	1708	0.0	- -	46	21	<u>400</u>	0	0	1.7	17.0	2.85	Stream
137	1707	0.0	0.2	31	25	<u>2,900</u>	1	28	6.7	11.0	2.11	Stream
138	1649	0.0	0.0	23	20	89	0	0	1.0	12.3	2.42	Stream
139	1650	0.0	0.0	35	14	94	0	0	1.1	6.3	1.50	Stream
140	1648	0.0	0.0	33	18	168	1	2	1.6	15.8	3.71	Stream
141	1647	0.0	0.0	28	13	84	0	21	1.4	8.3	1.87	Stream
142	1646	0.0	0.0	21	25	119	0	0	2.0	18.8	2.74	Stream
143	1645	0.0	0.0	35	23	175	0	0	1.8	20.0	3.43	Stream
144	1644	0.0	0.0	37	24	120	0	0	2.0	20.5	3.30	Stream
145	1643	0.0	0.0	40	27	200	0	0	1.9	21.8	3.54	Stream

Table 1. (Cont.)

Map	Field	Au	Ag	Cu	Pb	Zn	Mo	Sb	U	Th	K ₂ O	Sample type
146	1642	0.0	0.2	32	31	230	2	0	1.8	18.0	3.75	Stream
147	1641	0.0	0.0	33	23	135	1	0	1.4	12.3	2.05	Stream
148	1640	0.0	0.1	40	27	170	1	0	1.4	13.5	2.29	Stream
149	1696	0.0	0.0	34	12	90	0	0	2.2	5.8	1.71	Stream
150	1697	0.0	0.0	32	35	140	0	0	1.8	22.3	3.15	Stream
151	1693	0.0	0.0	27	18	100	0	0	1.7	9.3	2.35	Stream
152	1694	0.0	0.0	27	12	85	0	0	0.9	5.8	1.88	Stream
153	1695	0.0	0.0	23	10	78	0	0	0.9	7.0	1.88	Stream
154	1698	0.0	0.0	48	36	34	0	0	1.7	11.5	2.75	Stream
155	1691	0.0	0.0	28	31	130	0	0	2.2	17.0	3.46	Stream
156	1692	0.0	0.0	40	22	198	0	0	2.0	12.5	2.52	Stream
157	1688	0.0	0.0	27	22	107	0	0	1.1	15.8	2.71	Stream
158	1689	0.0	0.0	21	36	127	0	0	1.9	27.3	3.01	Stream
159	1690	0.0	0.0	29	18	96	0	0	1.7	14.8	2.72	Stream
160	1687	0.0	0.0	26	25	91	0	0	1.8	17.8	2.97	Stream
161	1699	0.0	0.0	44	24	173	1	0	2.2	20.5	3.06	Stream
162	1700	0.0	0.0	45	25	87	0	0	2.5	13.0	2.90	Stream
163	1702	0.0	0.0	50	26	190	3	0	2.1	21.8	2.56	Stream
164	1701	0.0	0.0	47	29	102	0	0	1.8	25.8	3.52	Stream
165	1703	0.0	0.0	40	24	93	0	0	2.2	20.3	2.85	Stream
166	1704	0.0	0.0	43	26	98	0	0	2.2	24.5	3.27	Stream
167	1705	0.0	0.0	46	22	115	0	0	1.5	19.0	2.60	Stream
168	1706	0.0	0.2	46	16	110	0	0	2.0	16.0	3.53	Stream
169	1669	0.0	0.0	26	34	145	0	0	1.3	17.3	2.99	Stream
170	1671	0.0	0.0	22	26	119	1	0	1.5	19.0	2.48	Stream
171	1670	0.0	0.0	30	44	145	2	0	1.4	22.3	4.96	Stream
172	1627	0.0	0.0	24	27	197	3	0	1.5	14.5	3.90	Stream
173	1628	0.0	0.1	173	47	778	4	0	1.7	16.5	2.96	Stream
174	1600	0.0	0.0	56	35	260	1	0	1.7	14.5	3.40	Stream
175	1668	0.0	0.2	33	28	185	2	0	2.0	18.0	3.25	Stream

Table 1. (Cont.)

Map	Field	Au	Ag	Cu	Pb	Zn	Mo	Sb	U	Th	K ₂ O	Sample type
176	1667	0.0	0.3	44	35	320	4	0	1.0	14.8	3.22	Stream
177	1666	0.0	0.2	43	31	205	1	0	2.0	18.0	1.75	Stream
178	1665	0.0	0.0	37	23	160	2	0	1.6	18.8	2.74	Stream
179	1663	0.0	0.0	52	34	118	0	0	1.4	22.3	2.88	Stream
180	1664	0.0	0.0	25	22	66	0	2	0.7	30.0	3.06	Stream
181	1576	0.0	0.0	26	17	87	0	0	1.1	16.0	3.04	Stream
182	1577	0.0	0.0	30	22	112	2	0	0.9	31.0	2.35	Stream
183	1574	0.0	0.0	23	16	67	4	0	3.9	24.3	2.58	Stream
184	1575	0.0	0.4	76	55	118	4	0	4.0	20.5	2.01	Stream
185	1737	0.0	0.8	60	63	341	7	10	2.8	9.3	2.75	Stream
186	1673	0.5	0.0	43	10	83	1	0	2.0	5.3	0.88	Stream
187	1674	0.0	0.0	50	19	81	1	0	5.1	10.3	1.86	Stream
188	1672	0.0	0.1	32	20	95	0	0	3.8	13.8	1.89	Stream
189	1675	0.0	0.0	18	27	102	1	0	2.0	18.8	3.13	Stream
190	1676	0.0	0.0	52	13	90	0	0	2.5	9.8	1.54	Stream
191	1678	0.3	0.0	44	12	65	0	0	3.3	7.8	1.45	Stream
192	1677	0.0	0.0	43	19	103	0	0	0.8	11.8	1.74	Stream
193	1681	0.0	0.0	37	18	80	0	0	2.9	10.5	2.29	Stream
194	1680	0.0	0.0	40	18	100	0	0	2.7	12.5	2.27	Stream
195	1679	0.0	0.0	36	17	83	0	0	1.5	11.3	2.23	Stream
196	1685	0.0	0.0	31	35	93	0	0	1.8	16.5	2.79	Stream
197	1686	0.0	0.1	46	21	73	0	0	2.0	18.5	2.90	Stream
198	1684	0.0	0.4	49	28	175	2	0	1.7	19.5	2.82	Stream
199	1683	0.0	0.1	45	18	131	2	0	1.2	15.8	2.89	Stream
200	1682	0.0	0.2	52	17	148	0	0	1.0	13.8	2.55	Stream
201	1710	0.0	0.0	61	20	200	2	0	1.6	18.0	2.51	Stream
202	1711	0.0	0.1	90	21	173	2	0	1.4	13.5	2.32	Stream
203	1713	0.0	0.2	67	23	158	2	0	2.1	11.8	2.22	Stream
204	1712	0.0	0.1	59	23	131	2	0	1.6	15.5	2.52	Stream
205	1714	0.0	0.4	68	28	324	0	0	2.1	9.3	2.11	Stream

Table 1. (Cont.)

Map	Field	Au	Ag	Cu	Pb	Zn	Mo	Sb	U	Th	K ₂ O	Sample type
206	1715	0.0	0.0	58	24	129	1	0	0.7	19.0	3.15	Stream
207	1716	0.0	0.1	91	80	222	1	0	3.8	16.3	3.03	Stream
208	1717	0.0	0.0	15	15	60	0	0	4.0	12.8	2.86	Stream
209	1718	0.0	0.0	31	22	81	0	0	2.0	15.8	2.99	Stream
210	183TB	1.91	8.8	99	--	122	-	5	0.2	--	--	Mineralized vein
211	180TR	0.2	3.9	229	618	710	2	222,000	6.2	--	--	Representative stibnite mineral ization
212	1573	0.0	0.0	62	39	181	1	0	0.5	19.0	2.92	Stream
213	1572	0.0	0.0	53	37	160	4	0	0.8	17.0	2.58	Stream
214	1719	0.0	0.0	19	18	60	0	0	3.0	22.5	2.55	Stream
215	1720	0.0	0.0	44	28	133	0	0	1.6	21.5	3.27	Stream
216	1722	0.0	0.0	30	27	92	0	0	2.5	21.8	2.52	Stream
217	1721	0.0	0.1	48	37	196	1	0	1.5	13.5	2.42	Stream
218	1599	0.0	0.6	73	76	342	2	8	3.0	16.8	1.87	Stream
219	1598	0.0	0.5	61	48	381	2	8	4.6	15.3	2.08	Stream
220	1597	0.0	0.2	55	38	380	2	5	1.7	21.3	2.71	Stream
221	1596	0.0	0.0	50	25	371	3	0	2.1	17.0	3.17	Stream
222	1595	0.2	0.0	43	21	158	1	0	1.5	19.0	2.90	Stream
223	1594	0.0	0.0	48	24	158	3	0	2.6	17.5	3.27	Stream
224	1593	0.0	0.4	78	31	179	8	6	3.7	16.5	2.60	Stream
225	1592	0.0	0.0	45	17	107	7	0	2.1	18.5	3.84	Stream
226	1591	1.4	0.0	30	12	66	0	0	1.5	24.8	3.50	Stream
227	1590	0.0	0.0	38	21	106	0	0	1.9	20.3	2.87	Stream
228	1589	1.2	0.0	46	27	108	5	5	3.5	21.0	3.20	Stream
229	1588	0.0	0.2	62	22	189	9	44	4.7	18.3	2.97	Stream
230	1587	0.0	0.0	33	22	79	1	0	3.2	15.5	3.34	Stream
231	1578	0.0	0.0	26	21	43	0	0	1.3	23.8	5.03	Stream
232	1579	0.0	0.0	52	32	92	0	0	0.8	26.3	4.70	Stream
233	1580	0.0	0.0	52	75	--	0	0	1.5	27.5	5.56	Stream
234	1581	0.0	0.0	60	264	224	0	0	1.2	28.5	3.76	Stream
235	1582	0.0	0.0	52	121	152	0	0	1.5	22.5	3.65	Stream

Table 1. (Cont.)

Map	Field	Au	Ag	Cu	Pb	Zn	Mo	Sb	U	Th	K ₂ O	Sample type
236	1583	0.0	0.0	37	72	188	0	0	1.2	35.5	3.58	Stream
237	1584	0.0	0.0	52	64	180	0	0	1.0	26.0	3.57	Stream
238	2393T	5.3	0.0	176	10	170	2	4	5.6	8.3	-	Mineralized metarhyolite
239	1585	0.0	0.3	32	63	172	2	0	1.2	28.8	3.98	Stream
240	1586	0.0	0.0	34	38	161	1	0	1.6	24.8	3.65	Stream
241	2378T	0.5	1.0	141	133	185	3	5	5.3	2.0	-	Mystic Creek metarhyolite
242	2363T	0.6	1.6	132	108	235	0	5	2.3	20.3	-	Mystic Creek metarhyolite
243	1735	0.0	0.0	30	30	232	2	0	1.2	23.0	4.17	Stream
244	1753	0.0	0.0	40	59	150	0	0	1.3	23.8	3.20	Stream
245	1734	0.0	0.0	49	35	147	1	0	1.2	20.8	3.70	Stream
246	1731	0.0	0.0	25	58	250	0	0	2.0	31.8	3.06	Stream
247	1732	0.0	0.0	19	32	90	0	0	1.1	33.8	4.37	Stream
248	1730	0.0	0.0	46	26	145	1	0	1.2	18.0	3.13	Stream
249	1729	0.0	0.1	93	35	333	1	0	1.5	22.3	3.65	Stream
250	1723	0.0	0.0	40	21	145	3	0	2.4	16.3	2.77	Stream
251	1727	0.0	0.0	34	28	108	0	0	1.2	18.3	2.80	Stream
252	1725	0.0	0.0	65	31	155	0	0	1.6	22.8	3.31	Stream
253	1726	0.0	0.0	54	51	145	0	0	1.5	29.8	3.80	Stream
254	1724	0.0	0.0	50	45	150	1	0	1.1	20.3	2.90	Stream
255	1723	0.0	0.0	59	37	149	0	0	1.3	22.3	3.32	Stream