Table 2.--Semiquantitative spectrographic analyses and gold, antimony, arsenic, mercury, tellurium and zinc analyses of bedrock samples in the eastern part of the Iliamna quadrangle, Alaska.

(Spectrographic results are reported in parts per million to the nearest number in the series 0.5, 1, 3, 5, 7, 10, 15, 20, 30, 50, 70, 100, and 150, etc. which represent approximate midpoints of interval data on a geometric scale. The assigned interval for 6 step results will include more accurately determined values about 30 percent of the time; Ca, Fe, Mg reported in percent and converted to parts per million).

Symbols used: < = less than; > = greater than; —— = not determined
The following elements were looked for but not found (limit of detectability in ppm for each element in parenthesis): Bi(10), Cd(10), Sn(10), W(50)
Gold analyzed by atomic absorption; analyses by Elizabeth Martinez, R. L. Miller, T. A. Roemer, J. G. Frisken
Arsenic analyzed by colorimetric methods; analyses by T. G. Ging, Jr.
Antimony analyzed by colorimetric methods; analyses by S. K. McDanal
Mercury analyzed by ultraviolet mercury detector; analyses by J. G. Frisken
Tellurium analyzed by colorimetric methods; analyses by R. F. Hansen
Zinc analyzed by atomic absorption; analyses by R. L. Miller and G. W. Dounay
Localities and sample locations shown in figures 1, 3, 4, and 5. Data on localities and samples given in Table 3.

Locality No	Sample No	Field No 66A-	Ca	Fe	Mg	Ag	As	Au	B	Ba	Be	Co	Cr	Cu	Ga	Hg	La	Mn	Mo	Ni	Pb	Sb	Sc	Sr	Te	Ti	V	Y	Zn	Zr
1	1	R 1141 A	50,000	70,000	100,000	<0.5	<10	<0.1	10	700	<1	50	300	500	20	0.18	<20	1500	<2	150	<10	2	50	300	<0.5	10,000	300	20	<25	70
	2	R 1141 B	50,000	100,000	50,000	<0.5	<10	<0.1	10	700	<1	50	200	500	20	0.05	<20	1500	<2	100	<10	1	30	200	<0.5	10,000	500	20	<25	100
3	3	R 1387	70,000	100,000	20,000	<0.5	10	0.2	20	100	<1	150	300	5000	30	0.17	<20	1000	<2	100	<10	2	30	150	2	>10,000	500	30	30	200
	4	R 1389	70,000	70,000	10,000	3	<10	0.2	10	15	<1	10	150	>5000	20	0.10	<20	1000	<2	30	<10	<1	30	50	<0.5	5,000	300	15	<25	20
4	5	R 1405	20,000	50,000	10,000	<0.5	<10	<0.1	<10	500	<1	<5	20	30	20	0.03	<20	200	<2	<2	<10	2	5	500	<0.5	5,000	50	5	<25	70
	6	R 1407	20,000	50,000	10,000	<0.5	<10	<0.1	<10	500	<1	<5	30	70	20	0.10	<20	500	<2	<2	<10	1	15	300	0.5	5,000	100	15	30	50
	7	R 1410	20,000	20,000	20,000	<0.5	<10	0.1	20	1000	<1	<5	50	20	20	0.04	<20	200	<2	<2	<10	1	15	500	0.5	5,000	100	10	<25	30
6	8	Sj 77	1,000	100,000	1,000	<0.5	160	0.2	10	500	<1	20	30	300	10	0.13	<20	50	30	20	<10	8	10	200	1.7	5,000	50	5	<25	70
	9	Sj 76	1,000	10,000	1,000	<0.5	160	0.2	200	300	<1	<5	30	100	<10	0.13	20	20	150	<2	10	15	15	200	<0.5	7,000	100	10	<25	200
	10	Sj 74	500	70,000	1,000	<0.5	80	0.3	100	200	<1	<5	30	100	10	0.11	<20	20	5	5	10	10	20	100	<0.5	5,000	100	20	<25	150
7	11	Sj 92	5,000	50,000	15,000	<0.5	<10	0.1	300	500	<1	5	20	20	20	0.15	<20	500	<2	<2	<10	3	15	200	0.7	5,000	100	10	25	150
10	12	R 1296 B	15,000	70,000	50,000	<0.5	<10	0.2	10	300	<1	<5	100	70	30	0.02	<20	1000	<2	10	10	5	30	150	<0.5	10,000	200	15	30	100
	13	R 1296 A	1,000	100,000	50,000	<0.5	20	0.2	20	200	<1	20	100	30	30	0.03	<20	1000	<2	15	20	1	20	50	1.5	7,000	200	20	50	100
	14	R 1298 A	1,000	50,000	5,000	<0.5	<10	0.1	30	700	<1	<5	50	15	20	0.01	<20	100	<2	5	20	5	30	50	<0.5	10,000	200	20	<25	150
	15	R 1300	20,000	70,000	50,000	<0.5	20	0.1	10	200	<1	5	30	30	10	0.11	<20	2000	<2	10	10	2	30	300	0.5	10,000	300	20	50	100
12	16	R 1344	30,000	70,000	10,000	<0.5	<10	0.1	10	700	<1	5	70	<2	30	002	20	1500	<2	15	<10	1	10	300	<0.5	5,000	100	10	190	50
	17	R 1346	5,000	50,000	2,000	<0.5	120	0.7	20	1000	<1	<5	20	70	30	0.84	30	1500	<2	<2	100	2	<5	<50	1.3	5,000	30	10	130	100
	18	R 1347	20,000	70,000	5,000	<0.5	120	<01	20	700	<1	<5	20	>5000	20	0.20	<20	1500	<2	5	<10	2	15	<50	0.5	5000	100	10	170	50
	19	R 1348 A	10,000	70,000	5,000	3	>320	2.5	20	700	1	5	<5	50	10	1.32	20	700	<2	5	10	3	<5	<50	11.5	2,000	50	10	<25	150
	20	R 1348 B	1,000	100,000	2,000	1	<10	20.5	30	700	1	5	<5	200	20	0.11	<20	70	<2	<2	<10	5	<5	<50	7.5	2,000	20	10	<25	100
	21	R 1350	500	100,000	2,000	2	20	9 6	30	500	1	5	<5	100	20	0.03	<20	50	<2	<2	<10	3	<5	<50	2.0	2,000	20	5	<25	100
	22	R 1349	500	>200,000	500	1	—	37.7	70	1000	<1	150	20	300	>100	0 50	<20	100	<2	10	<10	—	<5	<50	—	7000	10	<5	100	1000
	23	R 1351	1,000	100,000	2,000	5	40	3.5	30	1000	<1	20	20	70	30	0.09	<20	50	<2	<2	<10	5	15	<50	1.3	5,000	50	20	<25	100
	24	R 1354	20,000	100,000	20,000	<0.5	<10	0.3	20	100	<1	50	200	1,000	20	007	<20	2000	<2	5	<10	3	30	<50	2.9	7,000	200	10	100	20
	25	R 1355	10,000	100,000	10,000	<0.5	<10	0.1	30	2000	<1	30	100	2	30	003	<20	500	<2	5	<10	15	70	100	<05	10,000	500	20	30	50
	26	R 1360	10,000	70,000	5,000	<0.5	<10	0.3	20	700	<1	<5	20	200	20	0.03	<20	500	<2	10	<10	2	10	300	<0.5	5,000	200	15	30	150
	27	R 1358	2,000	2,000	1,000	<0.5	<10	0 2	<10	70	<1	<5	<5	20	<10	003	<20	50	<2	<2	<10	1	<5	<50	<0.5	20,000	<10	<5	<25	<10
	28	R 1359	5,000	100,000	5,000	5	240	9 8	30	500	<1	30	30	1000	50	0 19	<20	500	<2	10	100	30	10	<50	1.3	5,000	200	10	30	100
	29	R 1330	20,000	100,000	20,000	<0.5	10	0 2	10	300	<1	100	30	1000	20	0 05	<20	500	<2	30	<10	<1	20	200	<0.5	7,000	100	10	30	50
	30	R 1325	500	50,000	7,000	<0 5	10	<0 1	20	1,000	<1	<5	30	5	10	0.07	20	70	<2	<2	100	2	10	<50	<0.5	5,000	100	10	30	150
	31	R 1310	5,000	20,000	2,000	<0 5	10	0 2	100	1,500	<1	<5	20	2	10	0 05	<20	50	<2	<2	<10	1	5	200	<0.5	5,000	30	10	40	100
	32	R 1308	15,000	20,000	2,000	<0 5	10	0.1	70	1,500	<1	<5	20	5	10	003	20	100	<2	<2	<10	2	5	150	<0 5	5,000	50	10	<25	200
	33	R 1307	500	50,000	5,000	<0 5	10	0.1	100	1,000	<1	<5	20	30	20	0.18	<20	50	<2	<2	50	15	10	<50	<0.5	3,000	50	15	70	200
	34	R 1304 A	10,000	20,000	5,000	<0 5	<10	0 2	50	1,000	<1	<5	20	15	10	009	20	100	<2	<2	<10	2	<5	150	0.6	5,000	50	70	<25	200
	35	R 1305	500	50,000	10,000	<0.5	<10	0.3	100	2,000	<1	<5	20	2	10	0.12	30	50	<2	<2	20	2	5	50	<0.5	5,000	50	15	<25	150
15	36	R 1435	15,000	50,000	20,000	<0.5	<10	<0.1	<10	1000	<1	<5	30	70	15	0.08	<20	1500	<2	5	10	2	20	500	<0.5	5,000	100	20	40	100
	37	Sj 101 A	500	20,000	1,000	<0.5	<10	<0.1	<10	1,000	<1	<5	30	30	15	0.06	20	20	<2	<2	10	3	10	150	<0.5	5,000	100	10	< 25	150
	38	Sj 100B	7,000	50,000	15,000	<0 5	<10	<0.1	<10	500	<1	<5	30	50	15	0.07	<20	1,000	<2	<2	10	4	10	200	1.1	5,000	100	20	60	100
	39	Sj 96 B	20,000	100,000	20,000	<0.5	>320	<0.1	<10	500	<1	10	150	50	30	0 11	<20	1,000	<2	10	10	5	20	700	3.1	7,000	100	20	40	100
	40	R 1424	500	15,000	2,000	<0.5	40	<0.1	<10	2,000	<1	<5	20	30	10	0.08	20	50	<2	<2	<10	2	10	50	<0.5	5,000	50	10	<25	300
	41	R 1425	1,000	20,000	5,000	<0.5	120	0.1	<10	700	<1	<5	20	30	15	0.05	20	200	<2	<2	<10	2	10	150	0.9	7,000	50	10	<25	100
16	42	R 1192	20,000	50,000	10,000	<0 5	<10	<0 1	10	1,000	<1	<5	30	70	20	005	<20	1,000	<2	<2	<10	<1	10	500	<0.5	7,000	50	20	50	150
	43	R 1198 A	50,000	70,000	20,000	<0 5	<18	0.2	10	70	<1	10	300	50	20	0.05	<20	2,000	<2	20	<10	4	20	300	<0.5	7,000	200	20	30	50
	44	R 1198 B	2,000	20,000	5,000	<0 5	>320	<0.1	>2,000	200	<1	<5	300	20	20	003	<20	30	<2	<2	10	60	50	100	2	1,000	300	50	<25	300
17	45	R 1418 A	10,000	200,000	70,000	15	10	11.9	10	200	<1	300	50	>5,000	30	0.22	<20	1,000	300	50	<10	4	30	50	1.0	10,000	200	5	120	<10
	46	R 1418 B	5,000	100,000	50,000	20	<10	18	10	300	<1	200	20	>5,000	20	028	<20	1,000	150	30	<10	3	30	50	1.1	5,000	200	5	150	<10
	47	R 1419	5,000	100,000	50,000	<0.5	10	18	50	100	<1	30	20	>5,000	30	0.22	< 20	2,000	<2	15	<10	30	50	<50	2.0	3,000	200	50	120	10
	48	R 1420	10,000	100,000	50,000	1	<10	3.6	50	500	<1	50	50	5,000	20	0.03	< 20	2,000	10	10	<10	5	70	50	3.0	5,000	500	30	130	20
	49	R 1421	15,000	30,000	5,000	<0.5	<10	<0 1	<10	700	<1	<5	20	100	10	0.06	<20	1,000	<2	<2	<10	3	10	200	<0.5	7,000	<10	30	40	150
19	50	R 1226	1,000	50,000	500	<0 5	20	0.1	<10	150	<1	<5	30	50	<10	0.01	<20	20	100	<2	10	2	5	70	<0.5	10,000	30	<5	<25	500
	51	R 1243	500	20,000	500	<0 5	10	0.2	<10	20	<1	<5	30	20	<10	0 03	<20	30	10	<2	10	3	10	<50	<0 5	10,000	20	5	<25	500
	52	R 1221	500	100,000	500	<0.5	20	<0.1	100	1500	<1	<5	50	50	15	0.03	<20	20	5	<2	10	5	20	200	<0.5	7,000	500	10	<25	100
	53	R 1217 A	500	200,000	1,000	<0 5	<10	<0.1	100	500	<1	<5	70	200	100	0.04	<20	20	<2	<2	10	3	20	150	0.6	5,000	300	10	<25	100
	54	R 1217B	500	70,000	2,000	<0.5	80	<0.1	1000	70	<1	<5	30	50	10	0.03	<20	20	<2	<2	<10	3	10	50	<0.5	7000	200	10	<25	200