Table 2.

OFR 348.

ANALYSES OF ROCKS, ALTERED ZONES, AND VEINS FROM THE YAKUTAT AND MOUNT ST. ELIAS QUADRANGLES, ALASKA

Analyses are by semiquantitative spectrographic methods except for Au, which was analyzed by atomic absorption methods. Fe, Mg, Ca, and Ti are reported in percent; all other elements are reported in parts per million. Results are reported in the series 1, 0.7, 0.5, 0.3, 0.2, 0.15, 0.1 and so forth. Analysts: J. Curry, L. Martinez, R. Miller, and R. Tripp.

Remarks: All samples are grab samples unless otherwise indicated under "Description". G = greater than 10 percent or greater than the value shown. N = not detected at limit of detection or at value shown. L = detected but below limit of determination or below value shown. Elements looked for but not detected include Bi, Cd, Sb, Sn, and W.

Sample No.	Au	Fe (percent)	Mg (percent)	Ca (percent)	Ti (percent)	Mn	Ag	As	B	Ba	Be	Co	Cr	Cu	La	Mo	Nb	Ni	Pb	Sc	Sr	V	Y	Zn	Zr	Description
C8APr-68A-1	L(.02)	20	5	3	1	3000	N	N	20	L	N	70	200	500	L	L	L	100	L	50	L	300	30	1500	30	Sulfide-bearing amphibolite
-68A-2	L(.02)	3	.7	1.5	.3	500	N	N	L	500	1.5	10	5	15	20	N	L	L	L	5	300	30	20	N	300	Amphibolite
-70A	L(.02)	10	1.5	3	.3	1000	N	N	15	300	L	10	15	50	L	N	L	7	L	15	300	150	30	N	70	Quartz diorite
-70C	L(.02)	15	3	5	.7	700	N	N	10	L	L	20	200	20	L	L	L	70	L	30	200	200	50	N	70	Amphibolite
-72C	L(.02)	15	3	3	1	700	.7	N	L	700	L	30	15	200	L	5	N	30	L	30	L	300	30	200	70	Greenstone with pyrite
-82B	L(.02)	5	1.5	2	.2	700	N	N	15	500	N	15	30	100	N	5	L	30	10	30	300	100	20	L	70	Altered tuff
-85A	L(.02)	3	.05	.07	.007	5000	N	L	N	L	N	5	N	5	N	N	L	L	N	N	N	15	10	N	L	Granulite
-85E	.01	5	2	3	.3	500	N	L	N	500	N	15	100	200	N	N	L	70	L	20	200	100	10	N	200	Altered quartz diorite
-87B	L(.02)	5	15	3	.7	200	N	N	20	700	L	10	100	30	20	N	10	50	10	15	300	150	15	L	100	Amphibolite
-89D	L(.02)	10	3	3	.2	700	N	500	L	500	N	20	700	200	L	10	L	500	L	30	150	150	20	L	50	Altered zone
-103A	L(.02)	15	5	7	.7	1500	N	N	15	N	N	50	300	200	N	L	15	100	N	50	200	300	30	N	200	Sulfide-bearing amphibolite
-104C	L(.02)	3	.7	.7	.15	300	N	N	30	N	N	7	N	15	L	N	L	5	10	7	100	70	N	N	70	Altered quartz diorite
-105C	L(.02)	7	2	1.5	1	700	N	N	L	200	L	15	300	150	30	N	15	30	10	30	300	150	30	N	100	Pyritic metavolcanic rock
-107B	L(.02)	.07	.05	.7	.015	150	N	N	N	700	N	N	5	7	N	N	L	5	N	N	N	15	N	N	L	Slate
C8AMK-2A	L(.02)	15	7	15	.7	700	N	N	20	150	N	20	150	150	150	L	L	100	L	30	300	200	30	N	70	Altered aplite
-2B	L(.02)	15	5	3	G(1)	700	N	N	20	150	N	100	30	150	L	5	L	70	L	50	500	200	30	200	30	Amphibolite
-3	L(.02)	.5	1.5	7	.3	500	N	N	L	70	1.5	7	70	100	70	L	L	15	10	15	700	150	30	N	100	Altered metasedimentary rocks
-75	L(.02)	5	1.5	1	.2	200	N	N	30	700	L	7	70	10	20	L	L	30	10	15	300	150	10	L	70	Shear zone
-77	L(.02)	5	1.5	.3	.3	200	N	N	30	700	L	10	70	20	30	7	L	30	10	15	300	150	10	L	100	Altered zone
-78	.02	5	1	1	.2	200	L	L	30	300	L	7	70	10	20	L	L	20	L	15	300	150	10	N	100	" "
-79	L(.02)	7	2	1.5	.3	300	L	N	L	700	L	10	70	100	20	L	L	30	15	20	700	150	15	L	70	" "
-81	L(.02)	5	1.5	2	.3	300	N	N	10	700	1	10	70	30	20	N	L	30	10	15	700	150	15	L	100	Schist
-82	L(.02)	15	3	2	.7	1000	N	N	10	700	N	15	150	100	30	L	L	50	15	20	300	200	30	300	70	Altered zone
-84	L(.02)	10	3	3	1	700	L	N	10	1000	1.5	7	150	100	70	L	L	15	20	30	700	200	30	L	100	" "
-88	L(.02)	7	1.5	1.5	.3	700	N	N	L	1500	L	15	70	150	150	L	L	30	30	15	300	150	30	L	100	Iron-stained gneiss
-89	L(.02)	.3	.03	.3	.01	150	L	L	N	100	L	L	L	5	L	N	L	L	15	L	L	15	L	N	20	Alaskite
-90	L(.02)	15	5	7	1	3000	L	N	20	500	L	30	70	150	L	L	L	30	L	50	500	200	30	L	30	Chip sample at 1/2 foot intervals across 30 foot wide altered zone
-92	L(.02)	15	3	3	.7	1000	N	N	10	1500	N	15	30	150	L	10	L	20	L	20	300	150	20	L	200	Altered zone
-94	L(.02)	15	3	7	1	700	N	L	10	L	N	50	7	500	L	L	L	15	L	30	300	300	15	200	10	Gneiss
-96	L(.02)	15	3	3	.7	700	N	N	30	700	L	15	100	150	20	L	L	70	10	20	300	200	20	L	150	Altered zone
-98	.02	1.5	.07	.07	.1	150	N	L	N	150	1.5	7	5	5	30	N	10	L	15	L	L	20	30	L	100	~~6-foot channel sample altered zone~~
-99	.02	3	.7	.7	.15	300	N	L	N	300	1.5	7	15	100	20	N	10	15	15	7	L	30	50	L	150	" " "
-100	L(.02)	3	.07	.07	.1	30	N	L	N	150	1.5	L	15	7	L	L	10	7	20	L	L	15	70	N	150	" " "
-101	L(.02)	15	3	5	.5	700	.7	N	L	100	N	10	500	150	N	15	L	100	L	50	300	300	15	L	50	" " "
-102	L(.02)	10	3	5	.2	700	N	N	10	150	N	15	150	150	L	7	L	70	L	30	500	200	30	L	70	Altered zone
-103A	L(.02)	5	3	5	.2	500	L	N	10	200	N	7	150	100	L	10	L	50	10	30	500	150	20	L	70	" "
-103B	L(.02)	10	3	3	.5	700	N	N	10	150	N	7	150	70	N	L	L	50	L	30	300	200	15	L	50	" "
-103C	L(.02)	5	3	2	.2	700	L	N	L	50	N	20	500	30	N	L	L	150	L	30	200	150	15	L	30	" "
-104	L(.02)	5	2	2	.2	300	N	L	15	500	N	10	50	50	N	70	L	20	N	20	300	150	15	L	30	" "
-105	L(.02)	10	3	2	.3	500	L	N	L	L	N	100	150	200	L	L	L	70	N	30	200	150	20	L	50	" "
-110	L(.02)	5	3	3	.2	200	.5	L	N	700	N	7	200	100	20	L	L	30	L	20	500	100	15	L	70	Altered granodiorite
-120	L(.02)	7	3	2	.5	700	N	N	15	700	L	10	100	30	20	N	L	30	10	20	300	150	20	L	150	Altered zone
-122	L(.02)	10	5	7	.7	1500	N	N	N	L	N	20	150	150	L	N	L	50	L	50	L	200	30	200	70	Sulfide-bearing amphibolite
-123	L(.02)	5	1.5	2	.5	700	N	N	30	500	1	10	30	30	30	N	L	30	30	15	500	150	15	N	200	Sandstone
-124	L(.02)	3	1	1.5	.2	700	N	L	N	700	L	L	N	15	50	N	L	L	15	7	300	30	L	N	70	Altered granodiorite
-126	L(.02)	1.5	1.5	3	.3	3000	.7	N	10	1000	1.5	10	150	200	50	10	10	70	15	15	500	200	30	L	200	Altered fault zone, chip sample
-127	L(.02)	10	2	1.5	.5	5000	N	N	500	3000	1	15	70	150	20	5	L	70	10	15	L	150	20	L	150	" " " grab sample
-128	L(.02)	15	3	5	.7	1500	N	N	N	200	N	50	150	300	N	L	L	50	L	50	300	500	15	L	70	" " " " "
-129	L(.02)	7	3	3	.7	1000	N	N	N	1500	N	20	150	30	30	L	10	70	30	30	500	150	30	L	70	Granulite
-130	L(.02)	7	1.5	2	.5	700	.7	N	L	1000	1.5	7	70	50	20	30	15	30	20	15	300	150	10	L	150	Altered zone 4 feet wide, chip sample
-131	L(.02)	.5	.03	1.5	L	200	N	N	20	1500	N	N	N	7	N	N	L	L	20	N	150	10	N	N	L	Granodiorite
-132	L(.02)	10	3	1.5	L	1000	N	N	30	700	L	N	100	50	20	L	10	30	15	20	300	150	30	L	150	Altered zone
-134	L(.02)	15	7	3	.5	1500	L	N	N	70	N	500	200	150	L	L	10	100	L	50	L	200	30	L	70	Altered zone
-135	L(.02)	20	5	7	1	3000	N	N	N	150	N	50	150	150	L	L	10	50	L	70	100	500	50	L	150	" "
-137	L(.02)	7	3	3	G(1)	1000	N	N	30	1500	1	15	100	150	L	7	20	50	15	20	200	150	20	L	100	" "
-138	L(.02)	3	.7	.7	.7	200	N	N	N	700	L	7	N	10	L	5	L	L	L	15	100	30	20	N	100	" "
-139	L(.02)	7	3	3	.3	1000	N	N	L	150	N	20	70	150	N	15	L	50	15	20	300	150	15	L	70	" "
-144	L(.02)	.3	.15	.1	.5	150	N	N	N	L	N	N	L	5	N	N	L	L	N	N	N	15	N	L	N	Quartz vein
-145	L(.02)	20	3	5	.05	2000	N	N	15	300	N	50	150	200	L	L	15	100	N	70	200	500	30	L	300	Altered zone
-146	L(.02)	7	2	2	G(1)	1000	N	N	150	300	N	N	50	30	L	10	15	N	15	30	150	150	30	N	300	Pyritic schist
-147	L(.02)	10	1.5	7	1	1500	N	N	30	300	N	N	30	20	L	N	L	30	20	7	500	150	10	N	70	Altered zone
Limit of Determination	.02	0.05	0.02	0.05	0.001	10	0.5	200	10	5	1	5	5	5	20	5	10	2	10	5	50	10	10	200	20	