

Table 2.--Semi-quantitative spectrographic analyses and gold analyses of bedrock and soil samples from southeastern Douglas Island, southeastern Alaska

[Analytists: R. J. Curry, E. E. Martinez, R. I. Miller, and R. B. Tripp. Analyses, unless noted, are semi-quantitative spectrographic and are reported in the series 0.1, 0.15, 0.2, 0.3, 0.5, 0.7, 1.0, 1.5, and so on, or by the following symbols: N = not detected; L = detected but below limit of detectability; > = greater than; < = less than; limits of detectability are given at the end of the table.]

Lab. Field			Parts per million																								Percent					
No.	No.	No.	Ag	As	Au	B	Ba	Bi	Cd	Co	Cr	Cu	La	Mo	Mn	Nb	Ni	Pb	Sb	Sc	Sr	V	W	Y	Zn	Zr	Fe	Hg	Ca	Ti		
37	ACF 497	68ABJ 24B	N	N	<0.02	20	150	L	N	N	15	30	150	20	L	1500	L	20	15	N	15	N	1000	100	N	30	L	70	10	3	5	0.3
38	ACF 496	68ABJ 20B	N	N	<0.02	10	150	N	N	N	70	200	200	L	5	3000	L	100	L	N	70	N	300	150	N	20	L	70	15	7	15	0.7
39	ACF 495	68ABJ 18B	N	N	<0.02	10	300	N	N	N	20	50	150	20	N	2000	L	20	L	N	15	N	300	150	N	30	L	70	15	5	3	0.5
40	AGB 304	68ABJ 425	N	N	<0.02	10	150	N	N	N	15	30	100	20	15	1500	L	7	10	N	20	N	700	200	N	30	200	70	15	2	5	0.7
41	AGB 305	68ABJ 425A	N	N	0.02	L	500	N	N	N	7	5	150	20	N	1500	L	L	15	N	7	N	300	150	N	15	N	70	3	1.5	3	0.3
42	AGB 306	68ABJ 425B	L	N	<0.02	L	700	N	N	N	7	5	200	50	20	1000	L	L	30	N	10	N	700	150	N	30	N	100	7	2	2	0.5
43	AGB 307	68ABJ 425C	L	N	<0.02	L	700	N	N	N	7	5	100	20	L	700	10	L	50	N	10	N	700	150	N	20	L	70	5	2	1.5	0.3
44	AGB 308	68ABJ 425D	0.5	N	0.06	L	500	L	N	N	10	30	200	20	N	1500	L	7	150	N	10	N	300	150	N	15	700	70	3	1.5	1.5	0.2
45	AGB 309	68ABJ 425E	N	N	0.06	10	500	N	N	N	10	L	150	L	N	5000	L	L	150	N	7	N	700	150	N	15	L	100	7	1.5	5	0.5
46	AGB 310	68ABJ 425H	N	N	<0.02	10	700	L	N	N	10	5	300	30	7	2000	L	L	15	N	15	N	500	200	N	15	N	100	10	3	1.5	0.7
47	AGB 311	68ABJ 434	N	N	<0.02	L	700	N	N	N	7	5	50	30	N	2000	L	5	30	N	10	N	1000	200	N	15	N	150	7	2	5	0.5
48	AGB 312	68ABJ 435A	N	N	<0.02	30	700	L	N	N	10	150	20	L	L	700	10	50	10	N	15	N	700	200	N	15	N	150	10	1.5	0.2	0.7
49	AGB 34	68ABJ 54B	L	N	<0.02	50	200	N	N	N	15	30	100	N	N	1000	L	20	200	N	15	N	300	150	N	30	700	70	10	1.5	0.7	0.15
50	AGB 35	68ABJ 54C	N	N	<0.02	70	300	L	N	N	10	7	50	N	L	700	L	7	70	N	15	N	1000	150	N	30	500	70	7	1.5	0.1	0.15
51	ACF 535	68ABJ 62A	N	N	<0.02	70	500	L	N	N	50	70	100	30	L	1000	L	50	50	N	15	N	500	200	N	20	N	70	10	1.5	1.5	0.3
52	ACF 536	68ABJ 64A	0.5	N	<0.02	50	200	L	N	N	15	50	100	50	20	500	L	30	100	N	10	N	700	200	N	50	N	300	7	0.7	0.2	0.5
53	AGB 36	68ABJ 65B	N	N	0.1	200	200	L	N	N	10	10	10	20	L	700	L	10	30	N	20	N	L	150	N	50	500	70	5	5	0.1	0.2
54	AGB 37	68ABJ 66B	0.5	L	0.04	L	1000	N	N	N	L	20	200	30	10	15	L	L	200	L	10	N	3000	150	N	10	L	150	10	L	L	0.2
55	AGB 38	68ABJ 67A	N	N	<0.02	N	N	L	N	N	10	30	100	N	20	500	L	N	50	N	5	N	N	70	N	N	300	L	20	0.05	L	0.003
56	AGB 39	68ABJ 67C	N	N	<0.02	50	3000	L	N	N	20	70	100	L	N	3000	L	50	20	N	50	N	150	200	N	30	300	70	15	2	0.5	0.3
57	AGB 40	68ABJ 68B	15	N	17	50	1000	N	N	150	20	L	10000	N	N	5000	L	20	5000	L	15	N	1000	200	N	15	10000	30	15	2	5	0.2
58	AGB 41	68ABJ 68C	3	L	0.5	30	300	L	N	30	10	N	200	N	N	3000	L	5	5000	N	7	N	300	150	N	15	3000	50	3	1.5	2	0.15
59	AGB 42	68ABJ 69B	5	N	0.2	10	300	N	N	200	15	100	500	N	N	5000	L	50	20000	N	15	N	300	200	N	15	10000	70	7	1.5	2	0.2
60	AGB 43	68ABJ 69D	N	N	0.2	50	200	N	N	N	20	30	200	20	N	5000	L	50	300	N	20	N	700	200	N	50	N	70	10	2	5	0.2
61	AGB 44	68ABJ 70B	7	N	0.6	30	300	N	N	N	20	L	5000	30	N	5000	L	10	2000	N	20	N	700	200	N	30	300	50	10	3	5	0.3
62	AGB 45	68ABJ 70C	50	200	1.5	15	200	N	N	300	15	N	1000	20	N	3000	L	5	20000	N	7	N	150	50	N	L	10000	30	10	0.7	1	0.15
63	AGB 46	68ABJ 72A	70	L	0.6	15	300	N	N	500	10	N	1000	N	N	3000	L	L	20000	L	5	N	300	100	N	15	10000	50	10	0.7	1	0.15
64	AGB 47	68ABJ 77B	N	N	<0.02	15	150	N	N	N	70	10	300	N	N	1500	L	30	150	N	50	N	500	500	N	30	300	100	15	3	10	0.5
65	AGB 48	68ABJ 78B	N	N	<0.02	L	170	L	N	N	15	5	200	20	N	1000	L	10	20	N	15	N	500	150	N	15	L	50	5	2	15	0.2
66	AGB 31	68ABJ 51B	N	N	<0.02	L	N	N	N	N	15	15	L	N	N	1000	L	20	L	N	10	N	700	100	N	10	N	N	5	1.5	20	0.1
67	ACF 505	68ABJ 48B	N	N	<0.02	15	300	N	N	N	30	200	150	L	N	3000	L	70	L	N	30	N	300	150	N	10	L	L	20	7	10	0.7
68	ACF 504	68ABJ 42D	L	N	<0.02	15	150	N	N	N	70	500	200	L	N	3000	L	150	L	N	70	N	700	150	N	20	L	30	20	7	10	0.7
69	AGB 30	68ABJ 42B	N	L	<0.02	30	300	L	N	N	10	7	15	30	N	300	L	20	L	N	7	N	300	50	N	L	N	100	1.5	1	3	0.1
70	AGB 29	68ABJ 41C	N	N	<0.02	30	200	L	N	N	50	300	70	L	N	700	L	70	L	N	50	N	300	200	N	20	L	50	10	3	5	0.3
71	ACF 503	68ABJ 41B	N	N	<0.02	30	300	N	N	N	70	500	200	L	L	1500	L	150	L	N	70	N	700	100	N	30	L	70	20	7	15	0.7

Limit of detectability:

Ag	As	Au	B	Ba	Bi	Cd	Co	Cr	Cu	La	Mo	Mn	Nb	Ni	Pb	Sb	Sc	Sr	V	W	Y	Zn	Zr	Fe	Hg	Ca	Ti		
.5	200	.2	10	20	1	10	20	5	5	5	20	5	10	10	5	10	100	5	10	100	10	10	10	200	10	.05	.02	.05	.002

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| <p>1/ Atomic absorption</p> <ul style="list-style-type: none"> 37. Unaltered volcanic graywacke. 38. Unaltered relict pyroxene-bearing greenstone. 39. ----- 40. Bleached and iron-stained greenstone from 10 foot wide stained zone. 41. Bleached and pyritic greenschist from wide iron-stained zone of samples 42-44. 42. Chip sample from westernmost 100 feet of altered zone consisting of bleached greenschist and bleached and pyritic porphyry sill rock. 43. Chip sample from middle 100 feet of same zone. 44. Chip sample from eastern 100 feet of same zone. 45. Chip sample of bleached and unstained greenstone east of wide altered zone. 46. Chip sample of 200 foot thick zone of pyritic greenstone east of sample 45. 47. Pyrite- and chalcopyrite(?) -bearing "felsite porphyry" sill rock. 48. Dark gray slate. 49. Bleached and pyritic greenschist. 50. Chip sample of 50 foot wide zone of bleached and pyritic greenschist. 51. Iron-stained soil overlying bleached pyllite. 52. Iron-stained soil. 53. Slightly bleached pyllite. 54. Chip sample from 3 foot wide zone of mica-quartz rock next to aphanitic sill. 55. Secondary iron minerals in vein. | <p>Sample descriptions
(All samples are selected samples unless otherwise noted)</p> <ul style="list-style-type: none"> 56. Chip sample from 10 foot wide zone of pyritic pyllite. 57. Pyrite, galena(?), and chalcopyrite(?) -bearing vein 3/4" wide in pyritic green pyllite. 58. Pyrite, galena, and chalcopyrite-bearing pyllite from 5 foot wide zone about 150 feet downstream from sample 57. 59. Pyrite, galena, and pyrrhotite-bearing pyllite from one foot wide zone. 60. Unaltered pyllite adjacent to sample 59 zone. 61. Pyrite-bearing pyllite from portal of adit. 62. "High grade" sulfide-bearing rock from dump near adit. 63. Pyrite-, galena-, tetrahedrite(?) -bearing quartz vein one foot wide. 64. Pyrite-bearing greenstone. 65. Pyrite-bearing green pyllite from portal of adit. 66. Calcite veinlets in greenstone. 67. Unaltered greenstone. 68. Unaltered relict pyroxene-bearing greenstone. 69. Pyrite-bearing siliceous aphanitic dike, 20 feet wide. 70. One inch wide iron-stained fracture filling in greenstone. 71. Unaltered greenstone. |
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