TABLE 4A (CON'T)--ANALYSES OF ROCK SAMPLES, GC- AND PS-SERIES, CAT CREEK AREA
EASTERN SAN JUAN MOUNTAINS; RIO GRANDE AND CONEJOS COUNTIES, COLORADO

	Semiquantitative Spectrographic Analysis ppm																													percent				Atomic Absorption ppm	Instrumental ppm
Sample No.	Ti	Zn	Mn	V	Zr	La	Ni	Cu	Cd	Pb	B	Y	Mo	Sn	Co	Ag	Be	Bi	Ga	As	Sb	W	Sc	Cr	Ba	Sr	Nb	Au	Fe	Mg	Ca	Al	Au	Hg
GC-21	7,000	A	70	150	–	100	A	70	A	70	–	30	5	A	A	A	2	A	–	A	A	A	–	15	1,500	500	30	A	3	.3	.07	7	<.1	.060
22-A	7,000	<200	50	20	500	<20	<5	20	<20	50	<10	10	<2	<10	<5	.5	<1	<10	<10	<200	<100	<50	7	5	1,000	200	–	–	1	.02	.07	–	<.1	.060
22-B	3,000	<200	70	150	300	50	<2	5	<20	150	15	10	<2	<10	<5	<.5	1	<5	–	<200	A	A	15	70	100	300	20	A	.3	.3	.07	–	–	.080
23-A	7,000	<200	500	200	300	30	15	30	<20	15	<10	20	<2	<10	5	<.5	<1	<10	30	<200	<100	<50	15	30	700	300	–	–	5	1.5	.3	–	<.1	.060
23-B	7,000	<200	1,000	200	300	30	30	30	<20	15	<10	20	2	<10	20	<.5	1	<10	50	<200	<100	<50	15	70	700	500	–	–	7	2	2	–	<.1	.040
23-C	3,000	300	200	30	200	50	15	10	<20	200	<10	5	5	<10	<5	<.5	<1	<5	–	<200	A	A	10	30	700	300	<20	A	5	.3	.5	–	–	.120
24-A	2,000	A	70	50	–	A	A	150	A	1,500	–	30	15	A	A	1	A	A	–	A	A	A	–	10	700	500	A	A	7	.07	.3	3	<.1	.070
24-B	2,000	A	30	100	–	30	A	150	A	500	–	10	A	A	A	1	A	A	–	A	A	A	–	15	500	300	A	A	7	.07	.15	7	<.1	.050
25-A	3,000	200	20	10	10	<20	10	50	<20	100	<10	<10	10	<10	<5	.5	<1	<10	<10	<200	<100	<50	<5	5	1,000	300	–	–	10	.02	.05	–	<.1	.060
25-B	3,000	<200	50	100	150	50	7	5	<20	100	10	7	10	<10	<5	<.5	<1	A	–	<200	A	A	5	70	200	700	<20	A	1.5	.03	.1	–	–	.080
26	1,500	A	150	30	–	A	A	15	A	50	–	A	A	A	A	A	A	A	–	A	A	A	–	10	100	50	A	A	1	.03	.15	2	<.1	.015
27-A	2,000	A	50	50	–	30	A	70	A	1,000	–	20	30	A	A	A	A	A	–	A	A	A	–	1	700	200	A	A	7	.1	.15	5	<.1	.040
27-B	5,000	A	150	50	–	30	A	5	A	70	–	30	7	A	A	A	A	A	–	A	A	A	–	1.5	200	300	150	A	1	.7	.15	7	<.1	.040
28-A	1,000	<200	20	20	150	20	<5	700	<20	10,000	<10	<10	3	<10	<5	200	<1	<10	<10	300	2,000	<50	5	<5	>5,000	2,000	–	–	3	.03	.05	–	.1	11.000
28-B	3,000	A	300	50	–	30	A	500	A	1,500	–	30	5	A	A	15	1	A	–	A	A	A	–	1	200	300	100	A	3	.5	.1	7	<.1	.110
29-A	1,000	<200	20	20	150	20	<5	500	<20	3,000	<10	<10	5	<10	<5	150	<1	<10	10	700	1,000	<50	5	5	>5,000	5,000	–	–	7	.02	.07	–	.1	3.000
29-B	3,000	A	300	50	–	50	A	150	A	5,000	–	30	A	A	A	1	<1	A	–	A	A	A	–	1.5	3,000	100	100	A	2	.7	.15	7	<.1	.050
30-A	1,500	700	30	50	–	A	A	500	A	3,000	–	A	A	10	3	30	A	20	–	A	A	A	–	2	3,000	300	A	A	3	.005	.05	5	<.1	.520
30-B	2,000	1,500	700	70	–	50	A	100	A	3,000	–	30	3	A	3	15	A	A	–	A	A	A	–	5	2,000	300	100	A	5	.7	.3	7	<.1	.230
31	3,000	A	70	100	–	70	5	150	A	70	–	15	5	A	3	A	A	A	–	A	A	A	–	15	1,000	2,000	10	A	7	.05	.15	7	<.1	.150
32-A	2,000	A	100	150	–	30	5	100	A	300	–	A	5	A	3	A	A	A	–	A	A	A	–	30	1,000	2,000	A	A	M	.02	.1	3	<.1	.140
32-B	5,000	A	20	150	–	50	A	50	A	150	–	20	3	A	A	A	1.5	A	–	A	A	A	–	30	5,000	1,000	A	A	3	.2	.15	M	<.1	.070
32-C	5,000	A	150	150	–	50	3	30	A	150	–	20	3	A	3	A	1	A	–	A	A	A	–	30	1,500	1,000	A	A	5	.2	.07	7	<.1	.025
33	3,000	<200	30	150	150	20	7	30	<20	70	100	10	<2	<10	5	1	1	<10	30	<200	<100	<50	10	20	1,000	700	–	–	2	.3	.05	–	<.1	.030
34-A	700	<200	50	30	50	<20	50	70	<20	20	<10	10	70	<10	30	.5	3	<10	<10	<200	<100	<50	<5	10	100	<100	–	–	>20	.07	<.05	–	.86	.200
34-B	3,000	<200	150	100	150	30	5	10	<20	70	<10	15	20	<10	<5	<.5	1	<5	–	<200	A	A	10	30	500	500	<20	A	5	.3	.15	–	–	.240
35-A	5,000	A	30	150	–	30	A	30	A	30	–	10	70	10	A	A	1	A	–	A	A	A	–	30	3,000	150	10	A	5	.3	.07	7	<.1	.025
35-B	5,000	A	70	150	–	50	A	7	A	15	–	15	A	A	A	A	1	A	–	A	A	A	–	20	1,000	100	10	A	3	.7	.15	7	<.1	.025
36	5,000	N	300	100	200	50	5	7	N	20	20	30	N	N	10	N	1	N	–	N	N	N	15	N	1,500	300	20	N	5	1	.3	–	–	–
37	5,000	N	700	150	500	70	7	20	N	30	20	50	N	N	10	N	1.5	N	–	N	N	N	20	20	2,000	300	20	N	5	.7	1	–	–	–
38	7,000	N	300	150	700	70	L	20	N	20	20	50	N	N	5	N	1	N	–	N	N	N	20	30	2,000	300	30	N	5	1	1	–	–	–
39	7,000	N	1,000	200	300	50	L	20	N	20	15	30	N	N	30	N	L	N	–	N	N	N	20	N	1,500	700	20	N	7	2	3	–	–	–
40	5,000	N	700	200	200	30	5	20	N	15	10	30	N	N	20	N	L	N	–	N	N	N	15	N	1,000	700	20	N	7	1.5	2	–	–	–
41	10,000	N	700	200	200	30	50	30	N	15	10	30	N	N	30	N	N	N	–	N	N	N	20	70	1,500	700	20	N	10	2	2	–	–	–
42	10,000	N	700	300	200	50	50	20	N	20	N	30	N	N	30	N	N	N	–	N	N	N	20	150	2,000	700	20	N	10	2	2	–	–	–
43	5,000	N	500	100	200	30	L	10	N	50	30	30	N	N	5	N	L	N	–	N	N	N	10	N	1,500	300	20	N	5	.7	.5	–	–	–
PS-9	3,000	700	3,000	50	200	30	15	5	<20	<10	20	15	<2	<10	5	<.5	1	<5	–	<200	A	A	10	5	1,000	50	<20	A	3	.3	.2	–	–	.120
10	5,000	A	700	100	–	50	A	5	A	20	–	30	A	A	10	A	1	A	–	A	A	A	–	5	2,000	700	10	A	5	1.5	.5	M	<.1	.030
14	3,000	<200	2,000	30	500	30	<2	<5	<20	15	<10	15	<2	<10	<5	<.5	1	5	–	<200	A	A	5	A	700	300	20	A	1.5	.2	.3	–	–	.060
17	3,000	A	100	50	–	50	A	7	A	A	–	15	3	A	A	A	1	A	–	A	A	A	–	7	200	20	10	A	1.5	.5	.07	7	<.1	.015
20	5,000	<200	150	30	100	50	<2	10	<20	70	<10	7	<2	<10	<5	<.5	1.5	<5	–	<200	A	A	7	10	500	200	20	A	1.5	.2	.05	–	–	.220
21	1,500	<200	70	15	100	30	<2	<5	<20	<10	15	5	<2	<10	<5	<.5	1.5	<5	–	<200	A	A	15	A	500	70	20	A	1	.5	.05	–	–	.140
22-A	1,500	A	100	20	–	30	A	10	A	A	–	15	A	A	A	A	1	A	–	A	A	A	–	2	2,000	150	A	A	1.5	.5	.1	7	<.1	.025
22-B	700	<200	300	10	100	30	2	<5	<20	15	<10	15	<2	<10	<5	<.5	1	<5	–	<200	A	A	<5	A	700	100	<20	A	.3	.3	.07	–	–	.060
25	3,000	<200	700	50	100	20	10	7	<20	15	<10	15	<2	<10	7	<.5	<1	A	–	<200	A	A	15	20	700	1,000	<20	A	7	1	1.5	–	–	.150
27	5,000	A	700	300	–	50	30	70	A	10	–	30	A	A	20	A	1	A	–	A	A	A	–	70	1,500	100	A	A	M	1.5	5	M	<.1	.030
28	2,000	<200	100	20	200	30	<2	<5	<20	10	10	15	<2	<10	<5	<.5	1	<5	–	<200	A	A	5	A	700	200	<20	A	1	.2	.15	–	–	.012

>-Greater than value shown
<-Less than value shown

L-Present but below determination limit
M-Greater than 10%

–-Not looked for
A-Not detected
N-Not detected

Sample locations shown on Maps 4a, 4b