DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

TABLE 1A (CON'T)--ANALYSES OF ROCK SAMPLES, ST-SERIES, STUNNER, SUMMITVILLE, JASPER, PLATORO REGION
EASTERN SAN JUAN MOUNTAINS; ARCHULETA, RIO GRANDE, CONEJOS COUNTIES, COLORADO

Semiquantitative spectrographic methods (ppm) | Flame photometer (percent) | Semiquantitative spectrographic (percent) | Atomic Absorption (ppm) | Instrumental (ppb)

Sample	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	K_2O	Na_2O	Fe	Mg	Ca	Au	Hg
St-30c	3000	<200	300	100	150	50	5	70	<20	150	<10	20	<2	<10	<5	70	1	<10	10	<200	<100	<50	10	10	500	<100			2	.3	.5	1.2	450
31	1500		50	20	70	<50	<5	20		30	20	<10	3		<5	3	<1	<10	<10	200			5	<10	700	<100			.1	.2	.05	.4	2000
32A	2000		50	30	100	<50	5	50		200	15	<10	200		5	5		<10	<10	<200			5	10	100	<100			.7	.1	.05	.6	600
32B	20		50	10	<10	<50	5	50		70	10	<10	100		5	1		<10	<10				<5	<10	70	<100			1	.03	.05	.4	340
33A	5000		700	200	150	50	15	50		10	10	20	<2		20	<0.5	1	<10	20				15	<10	700	500			5	1	1	.5	60
33B	1500	↓	500	100	70	<50	10	30		15	15	20	10		10	<.5	<1	<10	15				10	<10	200	700			2	2	1	<.1	30
34	7000	10	150	150	200	50	7	20		200	<10	10	2	<20	<5			<10	30				15	20	700	15			3	.1	.1		40
35	3000	L(5)	20	200	150	20	50	50		150	50	<10	20		5			<10	30				10	20	300	10			15	<.02	.05		15
36	7000	L(5)	<10	150	200	30	5	30		200	<10	<10	<2		<5			<10	30				15	20	500	15			2	<.02	.1		20
37	7000	N(5)	<10	150	150	<20	<5	10		150	10	<10	<2					<10	10				5	20	200	5	2.51	.80	.5	<.02	.07		90
38	2000	N(5)	10	100	100	100	30	10		150	20	<10	30					50	50				5	20	600	5			10	<.02	.15		170
39	5000		<10	200	100	70	<5	10		1000	<10	<10	<2					<10	50				10	70	700	10	5.04	.40	.15	.02	.2		180
40	7000	N(5)	20	200	200	20	<5	10		500	<10	<10	<2					<10	10				10	10	500	10	1.63	.40	.05	.02	.1		15
41A	5000	10	<10	200	150	100	20	20		300	10	<10	50	↓				10	30				10	20	700	10			5	<.02	.1		50
41B	10000	L	<10	1000	300	200	<5	3		3000	<10	<10	20	30				10	50				20	100	1000	20			1.5	<.02	.2		20
42	7000	N	10	200	200	50	20	5		1500	10	<10	5	<20				30	30				15	50	700	15			3	<.02	.2		70
43A	7000	L	20	200	200	50	20	20		500	10	20	7					<10	20				15	10	700	15			7	<.02	.2		15
43B	10000	L	10	300	300	150	5	20		700	10	15	5					10	30				15	50	1000	15			3	<.02	.3		60
44	10000	L	20	200	200	50	5	15		10000	10	<10	50					<10	20				5	50	700	5			3	.02	.2		25
45	7000	L	10	200	200	50	10	70		70	10	<10	5					<10	20				5	30	500	5	.76	.26	3	<.02	.2		20
46	10000	5	70	200	500	100	30	50		700	20	10	50					20	15				10	20	700	10	2.00	.31	10	<.02	.2		110
47A	7000	N	10	150	200	50	<5	10		50	<10	<10	<2					<10	10				10	<10	500	10	2.90	1.0	.5	.02	.15		15
47B	7000	N	10	200	200	50	<5	10		70	<10	<10	<2	↓				<10	15				15	10	500	15	3.01	.50	.07	.02	.2		70
48	5000	10	70	150	150	<20	100	50		20	<10	10	30	20				<10	20				10	<10	500	10			15	1	<.05		50
49	7000	5	150	200	150	50	30	20		10	<10	20	2	<20	20		1.5	40	30				15	20	300	15	6.35	.09	7	.7	<.05		60
50	7000	5	70	150	150	30	15	20		20	15	30	2	<10	15		1	10	30				15	15	500	<200	4.33	.08	7	1	.07		120
51	7000	L(5)	70	150	100	30	10	300		20	30	30	2		15	.5	1.5	<10	20				15	10	700	<200	3.52	.05	3	.7	.07	↓	70
52	7000	↓	70	150	150	30	5	15		10	20	30	<2		5	<.5	1	10	30				15	10	300	<200	3.89	.04	2	1	.05	<.1	60
53	10000		20	150	150	100	<5	50		100	70	30	<2		<5		<1	<10	15				20	10	500	1000	4.02	.37	1.5	.3	.05		40
54	5000	20	200	150	100	30	7	30		30	40	15	2		<5		<1		20				15	10	200	<200			7	1	.2		35
55	7000	10	200	200	150	50	20	50		20	20	30	5		10		1		30				20	20	500	<200	4.34	.20	7	1	.07		35
56A	7000	5	15	150	200	50	5	30		150	10	20	3		<5		<1		20				15	15	700	700			7	.5	.07		50
56B	5000	L(5)	15	100	150	30	<5	10		100	20	<10	<2	↓	<5				20				10	<10	300	500			.3	.15	.07		<15
57	7000	↓	15	150	200	30	<5	20		300	20	10	2	10	<5				20				15	10	700	500			3	.3	.07		20
58	7000	↓	15	150	100	50	5	15		500	15	15	2	<10	<5				15				15	10	700	1500			5	.3	.07		25
59	7000	5	20	100	200	50	5	50		150	10	20	3		<5				10				15	<10	500	1000			7	.3	.1		20
60	7000	5	10	150	200	70	<5	20		2000	<10	10	2		5	5			15				20	10	300	2000			2	.02	.1		100
61	7000	L(5)	70	150	200	70	5	30		50	15	30	2		<5	<.5	1.5		15				20	<10	300	<200			5	1	.07		50
62A	7000	5	70	150	150	50	<5	15		10	10	30	<2		<5		<1		20				20	15	300	1000			1.5	.1	.1		1900
62B	7000	L(5)	10	20	150	<20	5	7		<10	<10	<10	<2		<5		<1		<10				10	<10	<100	<200			.07	<.02	.05		>>2100
62C	10000	L(5)	70	30	150	30	7	50		<10	<10	10	<2		7		<1		<10				15	10	<100	800			2	<.02	<.05		>>2100
62D	10000	5	70	200	200	30	5	7		15	15	20	<2		<5		1		20				20	20	500	1000			1.5	.3	.07		2100
63A	7000	35	70	200	200	50	7	70		10	70	30	2		20		1		15				20	10	700	2000			10	.5	.1		150
63B	7000	15	50	200	200	50	10	30		10	70	20	2		15		1		20				15	10	500	<200			10	.3	.07		130
64	7000	5	20	200	200	30	<5	10		15	30	20	<2		<5		<1		15				20	10	500	<200			3	1	.05		60
65	10000	20	70	150	200	30	<5	10		10	60	30	<2		<5		<1		15				15	<10	300	<200	3.14	.81	3	.7	.05		85
66	7000	25	10	150	150	50	10	50	↓	10	50	30	2	↓	10	↓	1	↓	15	↓	↓	↓	20	40	700	700			3	.3	.07	<.1	60

L( ) - Detected but below value shown
N( ) - Not detected at limit shown
>> - Much greater than value shown

Sample locations shown on Map 1a