DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE REPORT
76-825
TABLE 2A
SHEET 9 OF 31

TABLE 2A--ANALYSES OF ROCK SAMPLES, EM-SERIES, EMBARGO AND BAUGHMAN CREEKS AREA
EASTERN SAN JUAN MOUNTAINS; SAGUACHE COUNTY, COLORADO

Semiquantitative Spectrographic methods — ppm

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
Em-1	1500	<200	500	10	150	70	<5	2	<20	20	<10	30	<2	<20	<5	<.5	2	<10	20	<200	<100	<50	5	<10	1000	200
2	7000		100	150	150	50	5	7		10		10	<2		<5		1		20				10	10	1000	700
3	5000	200	150	150	100	50	20	15		10		15	7		<5		1.5		15				10	<10	700	500
4	7000	<200	70	150	150	50	5	10		15		20	<2		<5		1		20				10	<10	300	300
5	7000	<200	1000	200	200	70	10	20		15		30	5		10		1		20				15	10	1500	700
6	10,000	200	100	200	150	<50	<5	50		50		10	5		<5	1	<1		20				15	<10	700	700
7	7000	200	1000	150	200	70	20	20		15		30	<2		10	<.5	1		20				10	10	700	200
8	3000	700	>5000	100	100	50	10	15		1000		15	3		7	5	1		15				10	<10	>5000	700
9	1000	5000	>5000	20	50	<50	5	10	150	2000		10	3		<5	30	1		<10				<5	<10	>5000	700
10	1500	<200	100	<10	200	150	<5	10	<20	20	30	20	<2		<5	1.5	1		15				5	<10	1000	500
11	5000	3000	>5000	150	150	<50	5	300	<20	1500	<10	15	30	20	5	150	<1		10				15	10	1000	<100
12	200	>10,000	200	10	10	<50	<5	70	300	>20,000		<10	30	20	<5	200	<1		10	500	200		<5	<10	100	200
13	7000	700	500	150	200	50	20	150	<20	>20,000		10	3	<20	10	10	<		20	<200	<100		15	50	2000	100
14	3000	<200	70	100	200	50	<5	20		1000	10	20	<2		<5	1	1		20				5	10	700	200
15A	7000		20	70	200	50	<5	10		200	50	10			<5	.5	1		20				5	<10	1000	300
15B	5000		70	150	100	50	<5	10		300	<10	<10			<5	<.5	<1		15				5		500	500
15C	7000		50	30	150	50		20		100	15	<10					1		15				5		1000	200
16	7000		20	100	150	50		7		70	20	10					1		20				5		500	200
17A	5000		70	100	100	50		15		500	<10	<10					<1		15				<5		300	500
17B	5000		15	100	150	50		10		500							<1		10				<5		300	300
18A	5000		10	100	100	50		15		200							<1		15				<5		500	700
18B	3000		15	70	150	50		7		100						.5	<1		15				<5		500	300
19	5000		15	70	100	50		20		20	10		2		<5	<.5	1		20				10		500	200
20A	3000		20	50	100	50	5	30		150	10		3	<10	<5	.5	<1		10				<5	<10	500	2000
20B	2000		10	100	70	50	<5	30		200	<10		2			<0.5	<1		20				5	<10	700	700
21	3000		50	150	150	<50	5	15		30	15		3				1		30				7	<10	1000	300
22	3000		100	100	150	50	5	7		100	20		3				1		20				7	10	700	200
23	2000		150	100	200	50	5	7		100	10		5				<1		15				<5	10	500	1500
24	1500		30	50	100	50	5	200		70	15	20	5			.5	1		30				5	10	700	100
25	3000		150	50	200	70	<5	20		150	10	10	<2	20		.5	<1		10				5	<10	500	500
26	2000		100	50	150	<50	5	30		500	10	<10	5	<10		.7	<1		20				5	<10	1000	500
27	1500		50	50	100	<50	5	30		50	<10	<10	5			<.5	<1		<10				<5	<10	500	2000
28A	2000		70	50	200	70	5	20		100	50	15	2				2		30				10	<10	2000	500
28B	2000		100	30	150	70	<5	5		20	20	20	<2				2		20				7	<10	200	500
29	3000		20	70	100	50	7	30		500	<10	<10	<2		5		<1		10				5	10	1500	3000
30	3000		150	50	200	50	5	10		20	10	20	<2		<5		2		20				7	<10	1500	500
31	1000	>10,000	1500	30	50	<50	7	>5000	500	50	<10	<10	3		5	100	1		10				5	<10	100	100
32	150	200	>5000	20	10	<50	<5	50	<20	50	<10	50	<2		<5	1	<1		<10				<5	<10	100	1000
33	3000	<200	700	100	200	50	10	20		15	20	15	<2		5	<.5	1		20				10	15	200	200
34	200	<200	5000	20	10	<50	7	7		<10	<10	20	<2		<5	<.5	<1		<10				5	<10	150	100
35	5000	700	1000	150	150	50	15	100		1500	10	10	10		5	10	1		20				15	70	500	150
36	3000	<200	1000	150	200	50	20	20		50	10	20	2		10	.7	1		20				15	20	700	200
37	2000	<200	1500	100	150	70	10	20		15	10	20	<2		15	<.5	1		20				10	<10	700	500
38	1000	70	>5000	50	70	50	10	300		1000	<10	20	20		5	5	1		15				5	<10	200	500
39	1000	>10000	2000	30	50	50	10	2000	500	20,000	10	50	<2		5	1000	<1		15	300	3000	.2	5	10	200	500
40A	2000	>10,000	700	50	70	<50	30	1500	200	15000	10	30	<2		10	7000	1		20	200	3000	<50	10	20	500	500
40B	3000	<200	500	150	100	50	5?	20	<20	70	10	20	2		20	2	1.5		20	<200	<100		15	50	1000	100

Atomic Absorption — ppm

Sample	Au
Em-1	<.1
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	.1
12	.3
13	<.1
14	<.1
15A	.1
15B	.5
15C	<.1
16	
17A	
17B	
18A	
18B	
19	
20A	.07
20B	.07
21	
22	.07
23	.07
24	.07
25	
26	.1
27	<.1
28A	.05
28B	.07
29	.07
30	.1
31	2
32	>20
33	1.5
34	
35	.1
36	<.1
37	<.1
38	<.1
39	.1
40A	.2
40B	<.1

percent

Sample	Fe	Mg	Ca
Em-1	1	.5	.3
2	1	.3	.2
3	7	.3	.2
4	.5	3	.2
5	5	.7	1.5
6	5	.5	.5
7	2	1	.7
8	3	.7	10
9	2	.3	10
10	1	.1	.07
11	7	.15	.1
12	10	.02	.15
13	3	.5	.07
14	1.5	.3	.15
15A	2	.2	.07
15B	.1	.02	.07
15C	1	.2	.07
16	1	.2	.07
17A	.7	<.02	.07
17B	1.5	<.02	.1
18A	.3	<.02	.07
18B	.3	<.02	.05
19	2	.2	.1
20A	3	.03	.07
20B	1	.02	.07
21	2	.3	.1
22	1	.2	.07
23	5	.05	.07
24	7	.1	.07
25	.5	.05	.1
26	1.5	.02	.05
27	3	.02	.07
28A	2	.15	.05
28B	.5	.3	.07
29	2	<.02	.07
30	1	.5	.1
31	3	.5	2
32	1.5	.2	>20
33	2	.7	1.5
34	2	10	15
35	10	.5	1
36	3	1	2
37	3	1	10
38	5	.7	20
39	2	.2	20
40A	2	.1	10
40B	2	.7	2

Sample locations shown on Map 2