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Geochemical data of El Correo area, northern Sonora, Mexico

By

Robert L. Turner, James G. Frisken, Harlan N. Barton,

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Introduction

The El Correo sheet (15' north-south by 20' east-west) is located southwest of Nogales, Arizona (fig. 1). A detailed geochemical survey was done in the El Correo area as a follow-up of the regional reconnaissance of Northern Sonora, Mexico, which is reported by Frisken (1981). Based on the regional reconnaissance, the El Correo area bordered by Canon Las Planchas de Plata on the northwest, Canon La Cienega on the northeast and 31° north latitude on the south appears to have the greatest potential for an economic mineral deposit (fig. 2). This area contains highly anomalous values in both stream-sediment and the heavy-mineral-concentrate samples for lead, molybdenum, zinc, and silver.

The purpose of the study was to find better techniques for geochemical exploration in the Sonoran environment, to define the extent of mineralization of the area, and to determine if there is a zoning of the elements in the mineralized area. Two sample media were used in this study: stream sediments and heavy-mineral concentrates.

This study is part of the cooperative project between the Consejo de Recursos Minerales of Mexico (CRM) and the United States Geological Survey (USGS) and is funded by both these organizations and the United States National Science Foundation.

Sample Collection

Stream-sediment and heavy-mineral-concentrate samples were collected by three to six teams in an area approximately 25 kilometers east to west and 20 kilometers north to south.

FIGURE 1 INDEX MAP SHOWING THE LOCATION OF THE EL CORREO STUDY AREA, NORTHERN SONORA, MEXICO

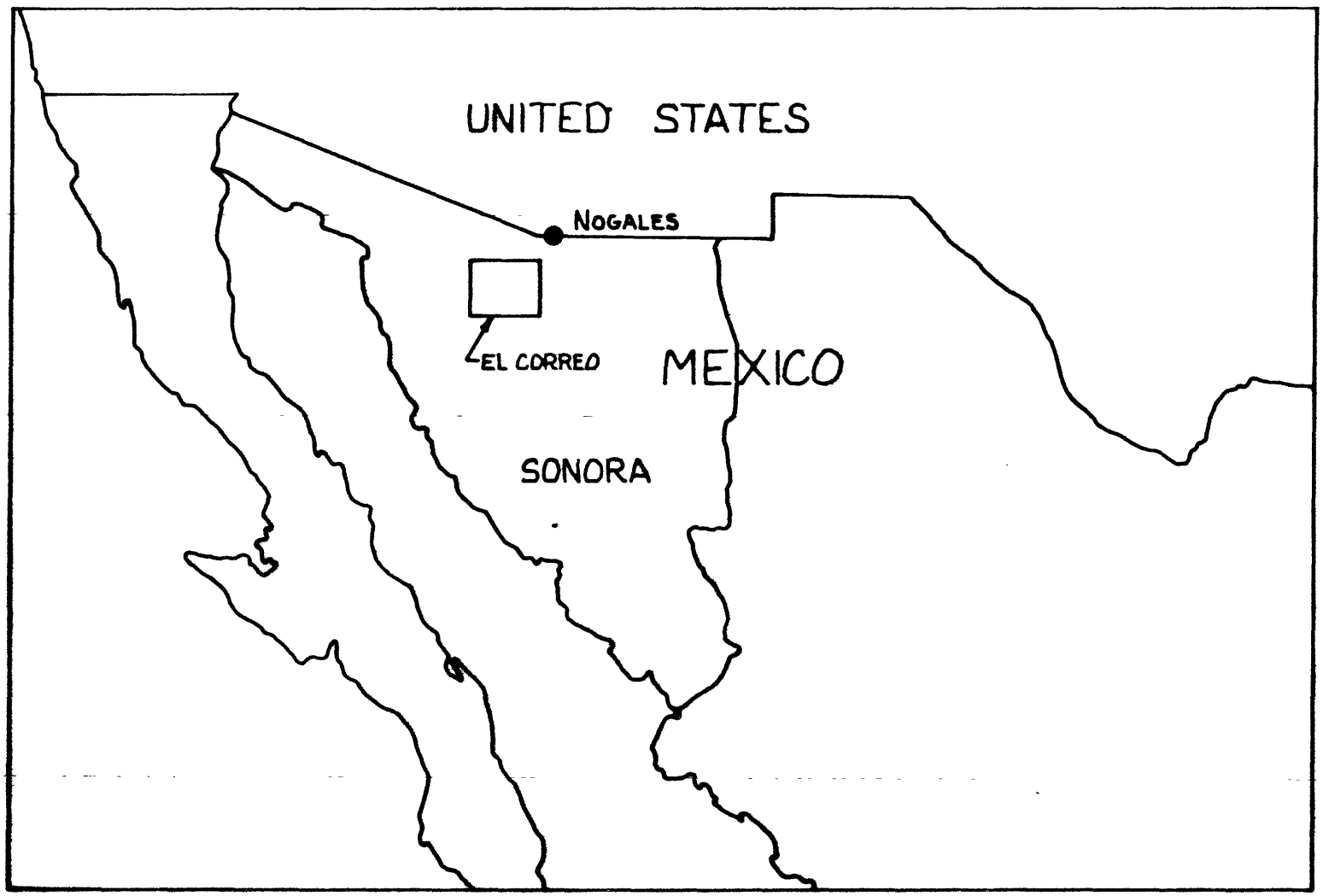
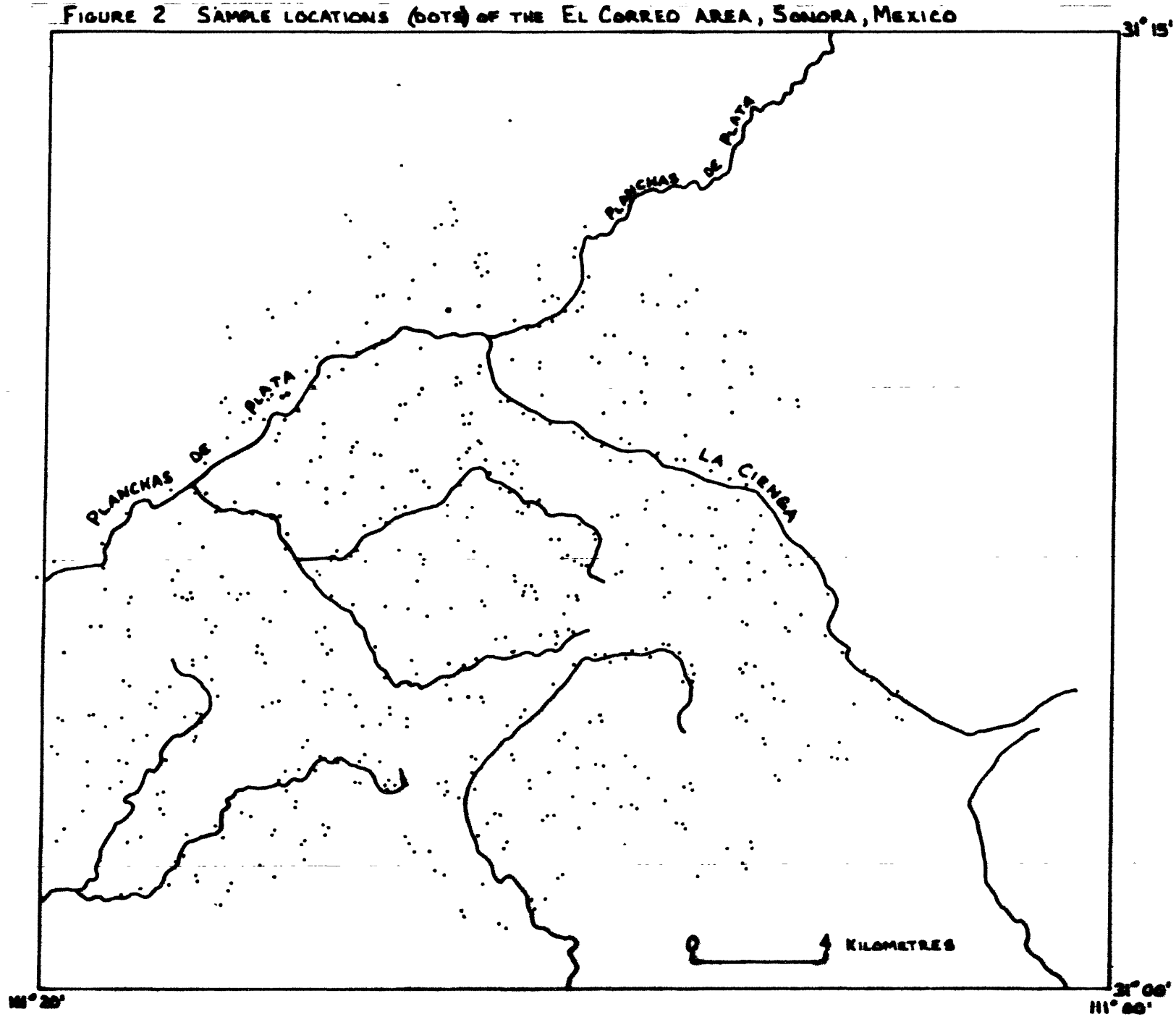


FIGURE 2 SAMPLE LOCATIONS (DOTS) OF THE EL CORREO AREA, SONORA, MEXICO



The stream-sediment samples were collected by scooping the sediment from four or five equally spaced sites across the width of the stream. These samples were sieved through a screen with openings of 0.6 mm. This mesh size was used because it was found by Hill and Frost (1975) and P. K. Theobald (oral commun., 1981) that the range of values and the absolute high values from spectrographic analysis were not decreased appreciably from the values obtained using -80 mesh stream-sediment samples, and this decrease was more than offset by the speed and convience of collecting the samples passing through the 0.6-mm opening. In arid environments, the coarser fraction is less susceptible to contamination of aeolian material (Theobald and others, 1973).

The heavy-mineral-concentrate samples were taken where there appeared to be a concentration of heavy minerals in the stream bed, as indicated by black sands, or from the lee side of rocks and boulders in the stream bed. Approximately two kilograms of this sample type insure an adequate size of concentrate for chemical analysis and microscopic identification of the minerals. These samples were panned in the field to the point of initial loss of heavy minerals, usually indicated by an abundance of magnetite, epidote, or hornblende at the surface of the concentrate (Theobald, 1957). The sample size varied considerably at this stage due to the amount of heavy minerals in the host rock and uneven concentration in the stream channel.

Sample Preparation and Analysis

The stream-sediment samples passing through the 0.6-mm screen openings were pulverized to pass through a screen with openings of approximately 0.11 mm and were mixed well to produce a homogeneous sample.

The panned-concentrate samples were sieved to pass through a screen with 0.6-mm openings. The sieved fraction was separated gravimetrically using

bromoform, a heavy liquid with a specific gravity of 2.85 to 2.89. Minerals with a specific gravity greater than about 2.85 sink and constitute the heavy-mineral concentrate. The magnetite was removed by a hand magnet after the gravimetric separation. The heavy-mineral concentrates were then separated into three fractions on the basis of magnetic susceptibility. A Frantz Isodynamic Magnetic Separator was used to make these separations using a forward slope of 25° and a side slope of 15°. The ampere settings used in the separation was 0.5 and 1.0 ampere.

The fraction that is nonmagnetic at 1.0 ampere was used in this study because this fraction contains most of the sulfide minerals and secondary minerals of the base metals (Alminas and Watts, 1978). The nonmagnetic fraction was split, with one part used for microscopic mineral identification and the other part hand ground to a fine powder.

The stream-sediment and nonmagnetic fraction of the heavy-mineral-concentrate samples were analyzed by a six-step semiquantitative emission spectrographic analytical technique (Grimes and Marranzino, 1968).

Data Processing

The analytical results from the stream-sediment and the nonmagnetic fraction of the heavy-mineral-concentrate samples along with the coordinates were entered in the USGS computerized Rock Analysis Storage System (RASS), (VanTrump and Miesch, 1977).

Using a standard USGS statistical program (STATPAC) (VanTrump and Miesch 1977), graphical analysis for the elements was obtained from the stream-sediment and heavy-mineral-concentrate samples. Histograms for the elements in the two sample media are illustrated in figures 3a-g and 4a-i. The basic statistics for the stream-sediment and the nonmagnetic fraction of the heavy-mineral-concentrate samples are tabulated in tables 1 and 2. The emission

spectrographic analytical data for the stream-sediment samples and the nonmagnetic fraction of heavy-mineral-concentrate samples are tabulated in tables 3 and 4, respectively.

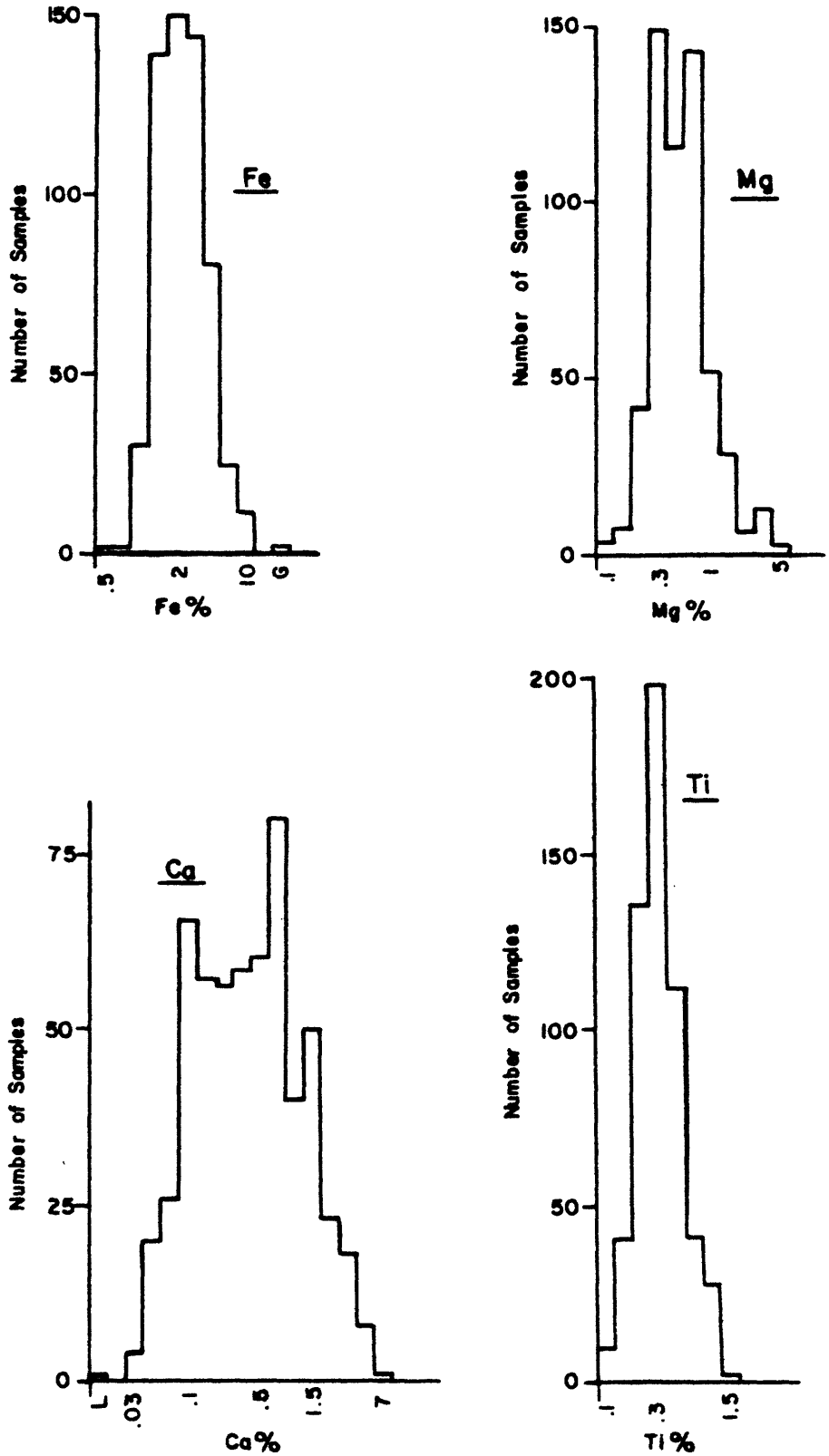


FIGURE 3 a

Histograms of the −30 mesh stream sediment samples from El Correo area, northern Sonora, Mexico.

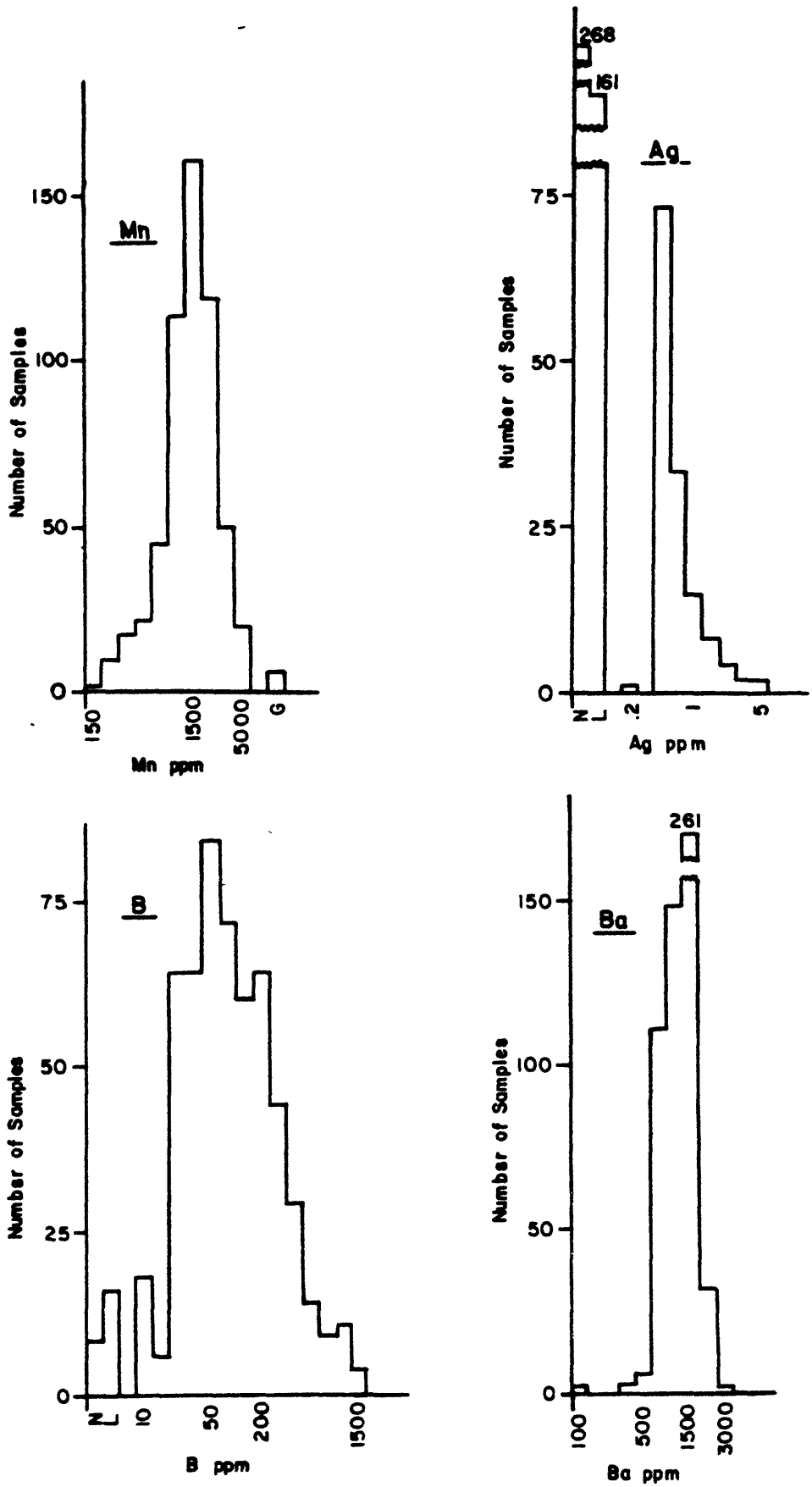


FIGURE 3b

Histograms of the −30 mesh stream sediment samples from El Correo area, northern Sonora, Mexico.

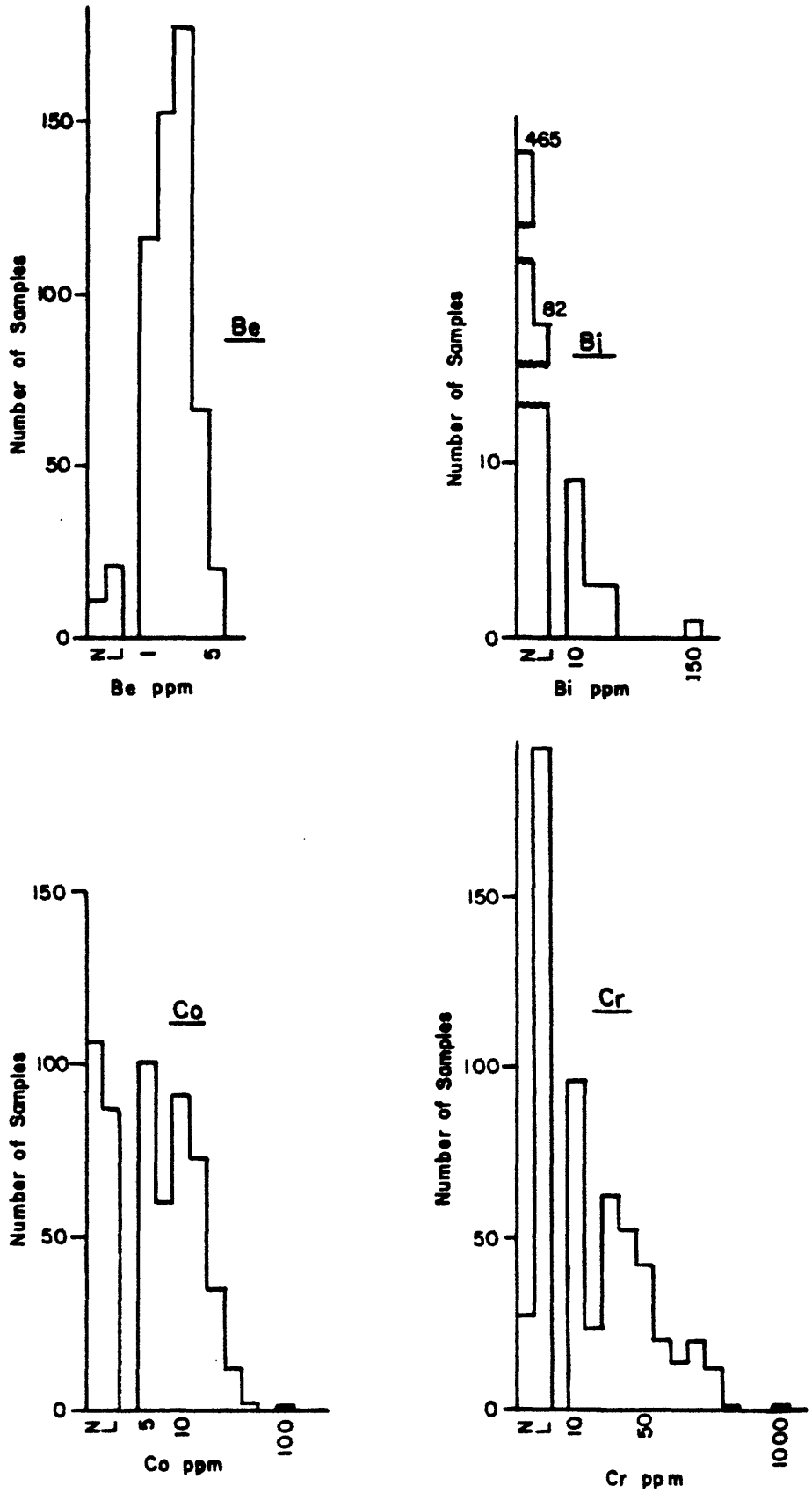


FIGURE 3C

Histograms of the −30 mesh stream sediment samples from El Correo area, northern Sonora, Mexico.

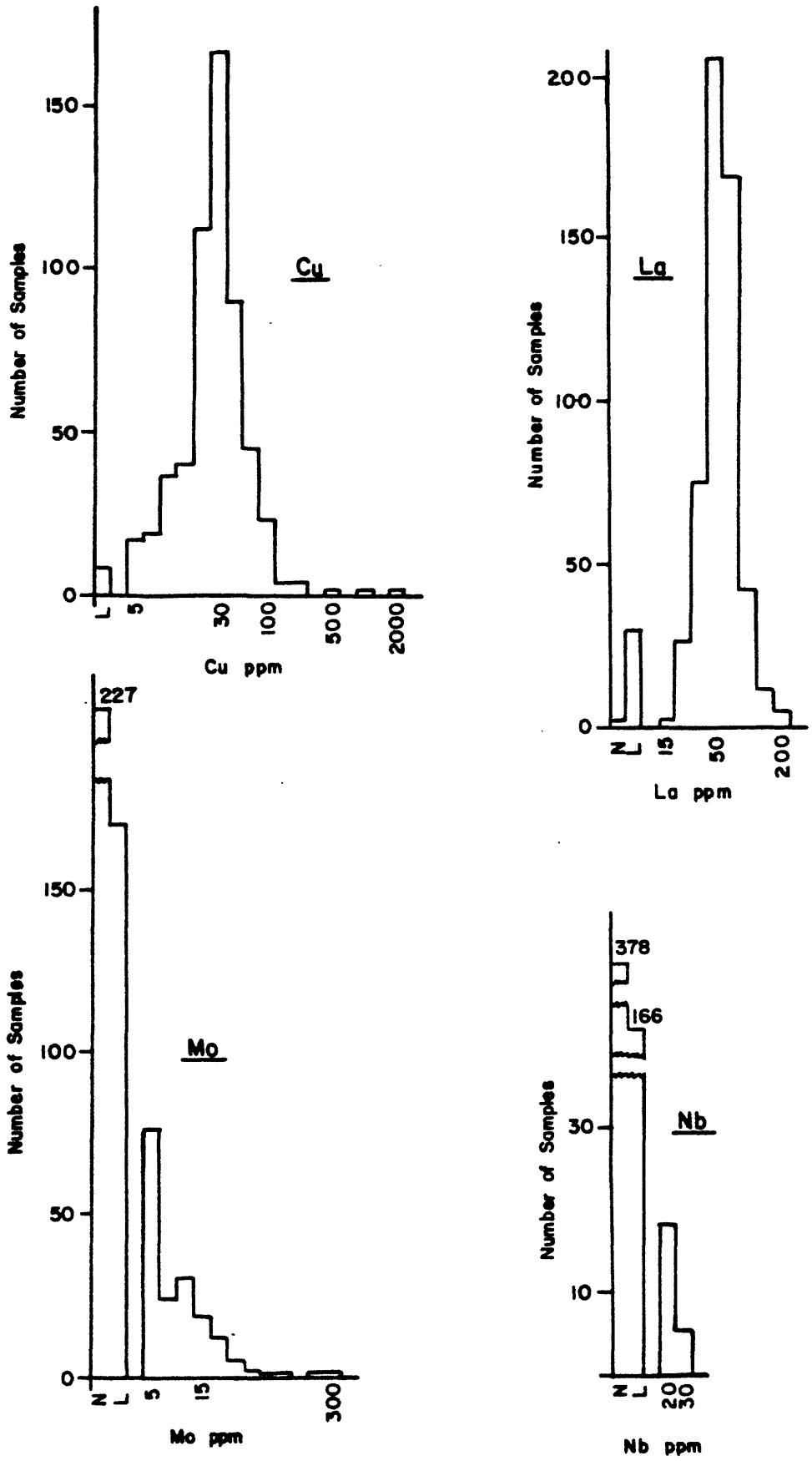


FIGURE 3d

Histograms of the −30 mesh stream sediment samples from El Correo area, northern Sonora, Mexico.

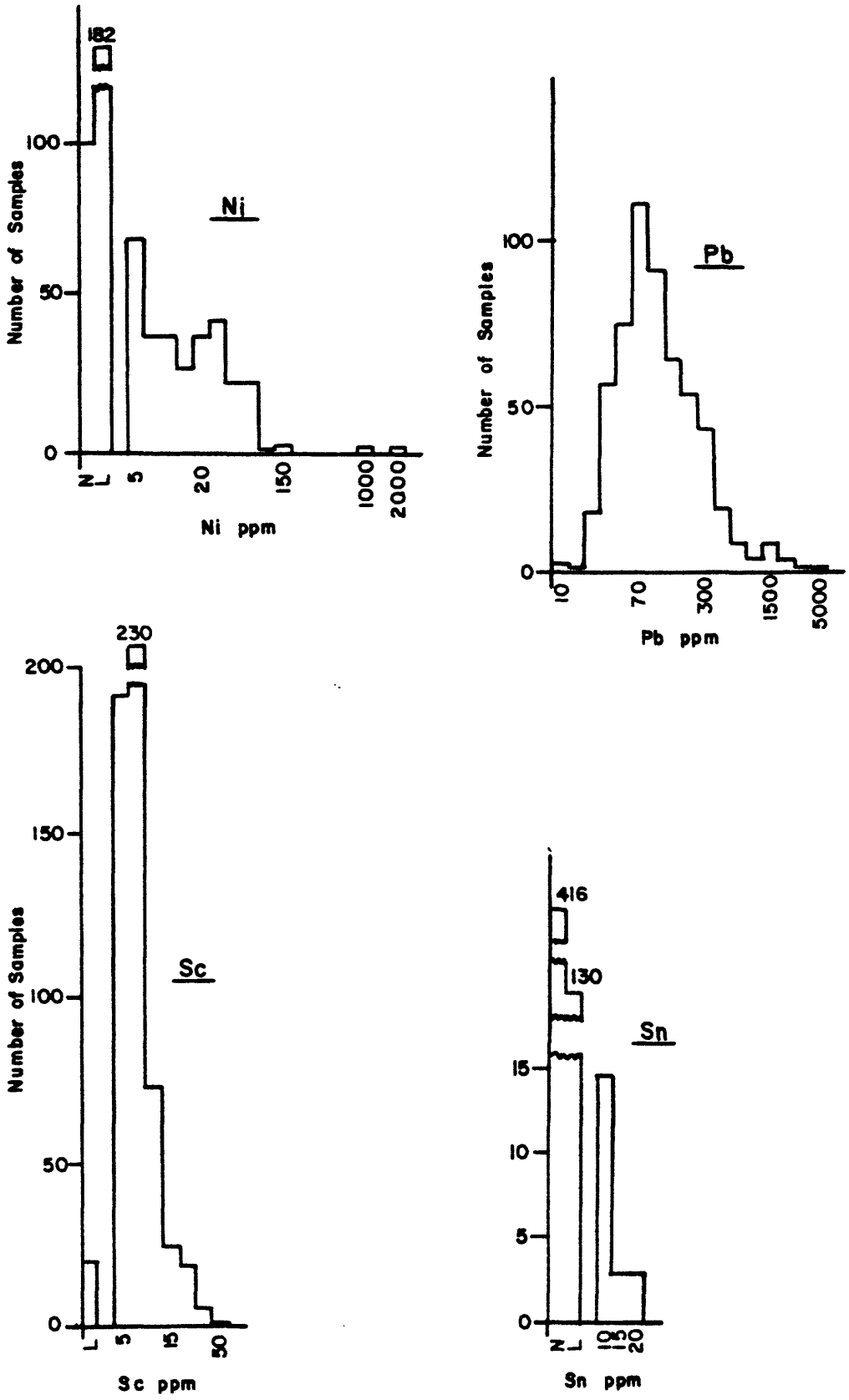


FIGURE 3e

Histograms of the −30 mesh stream sediment samples from El Correo area, northern Sonora, Mexico.

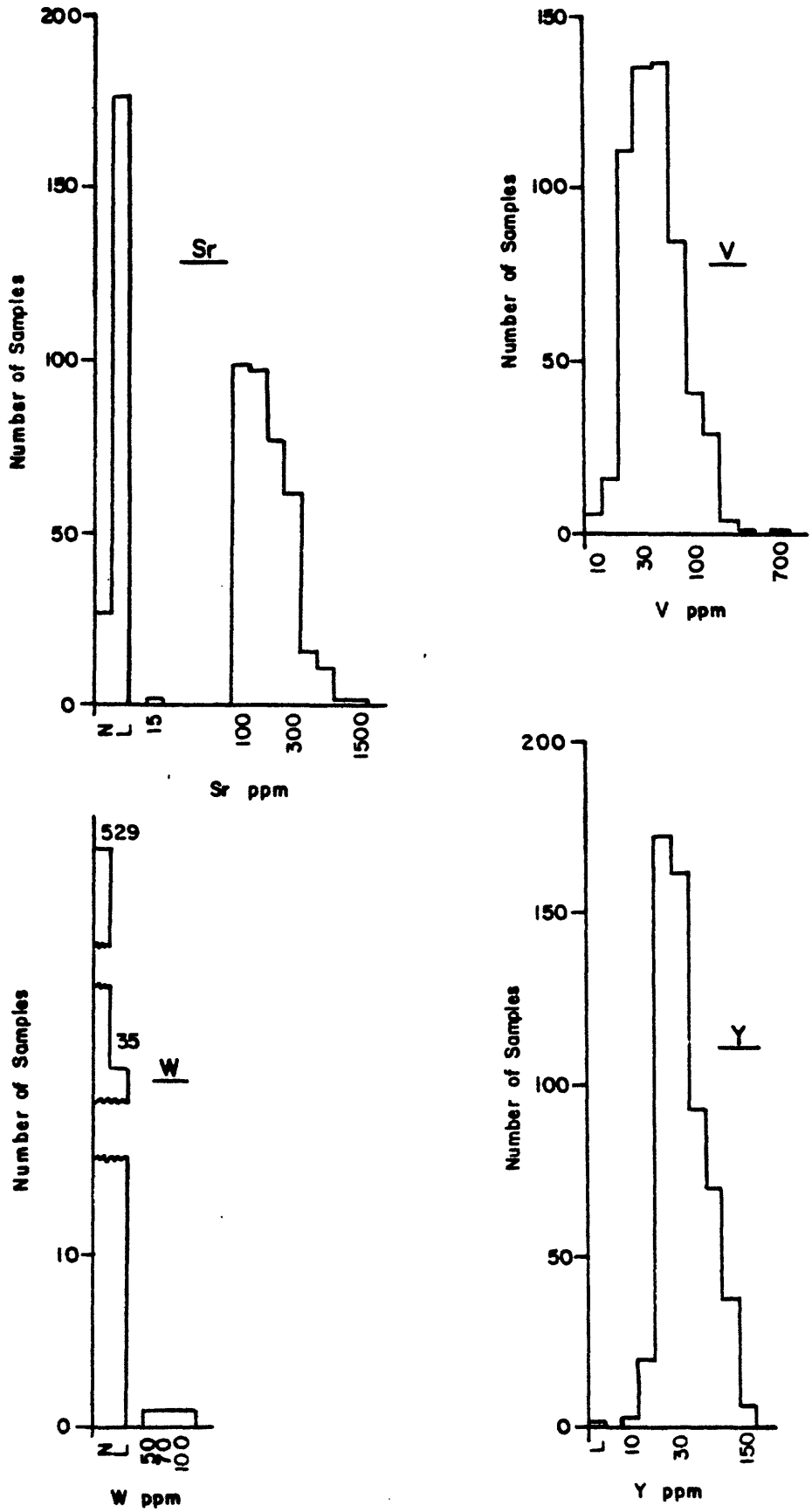


FIGURE 3f

Histograms of the −30 mesh stream sediment samples from El Correo area, northern Sonora, Mexico.

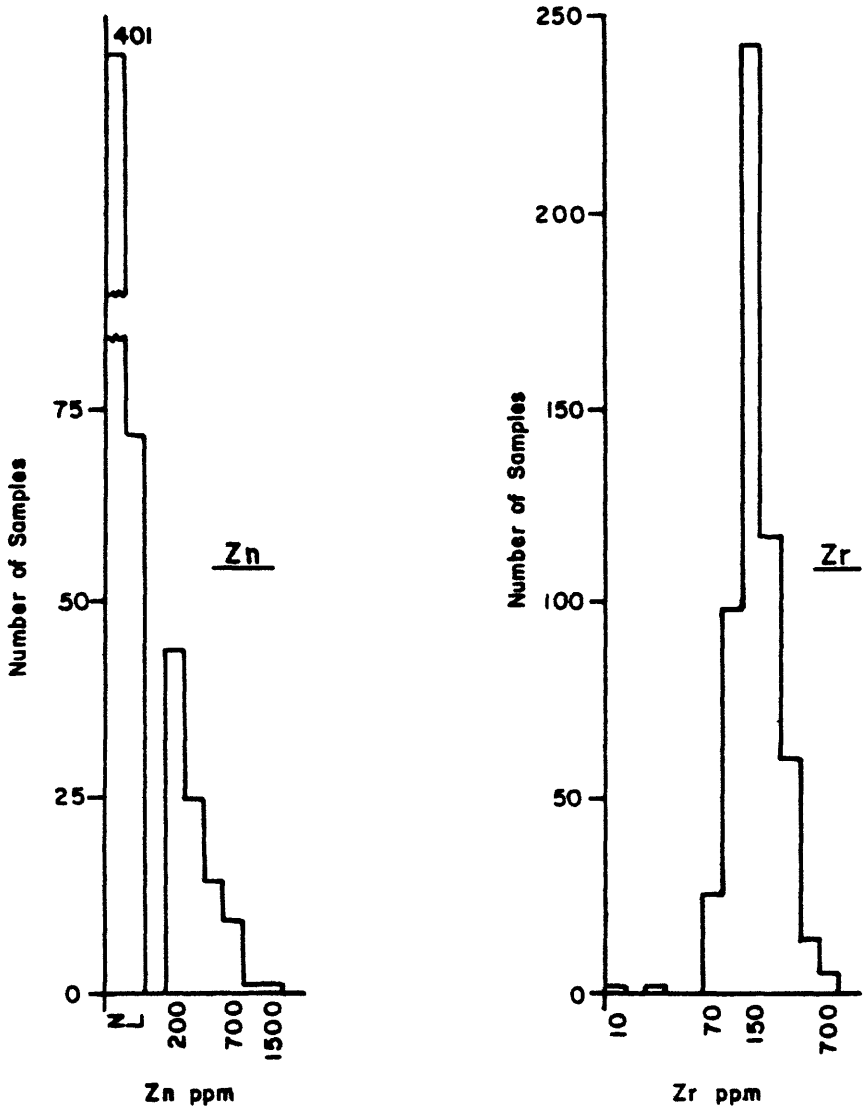


FIGURE 3g

Histograms of the −30 mesh stream sediment samples from El Correo area, northern Sonora, Mexico.

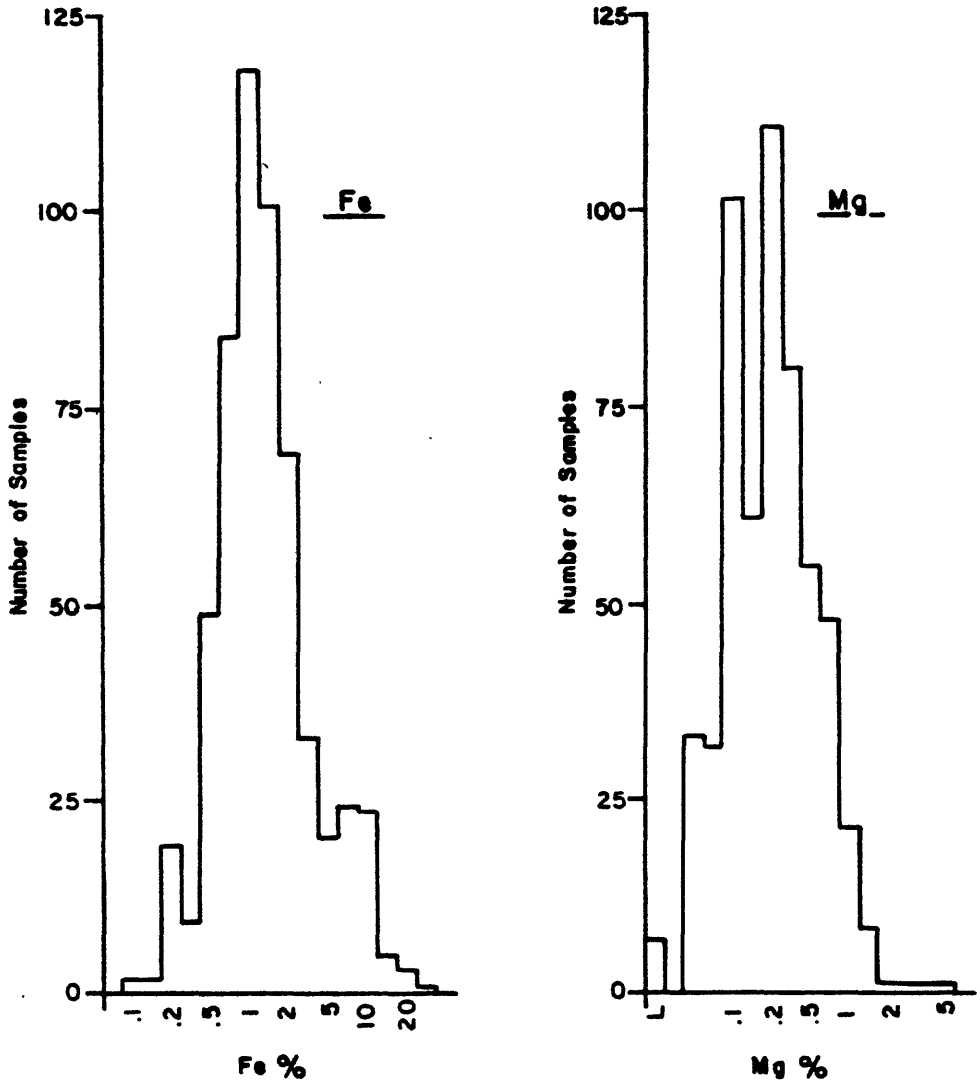


FIGURE 4a

Histograms of the non-magnetic fraction of heavy mineral concentrate samples from El Correo area, northern Sonora, Mexico.

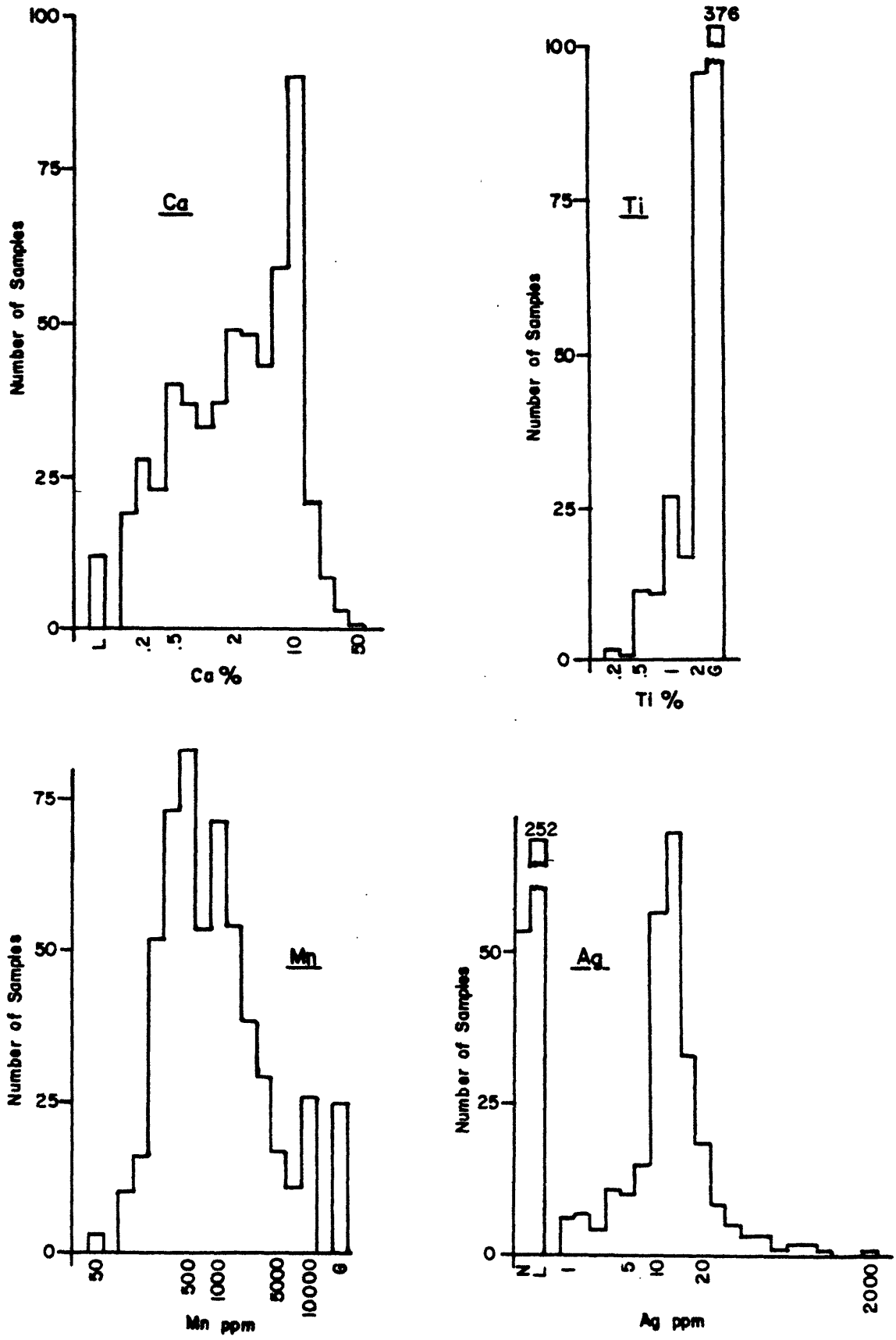


FIGURE 4b

Histograms of the non-magnetic fraction of heavy mineral concentrate samples from El Correo area, northern Sonora, Mexico.

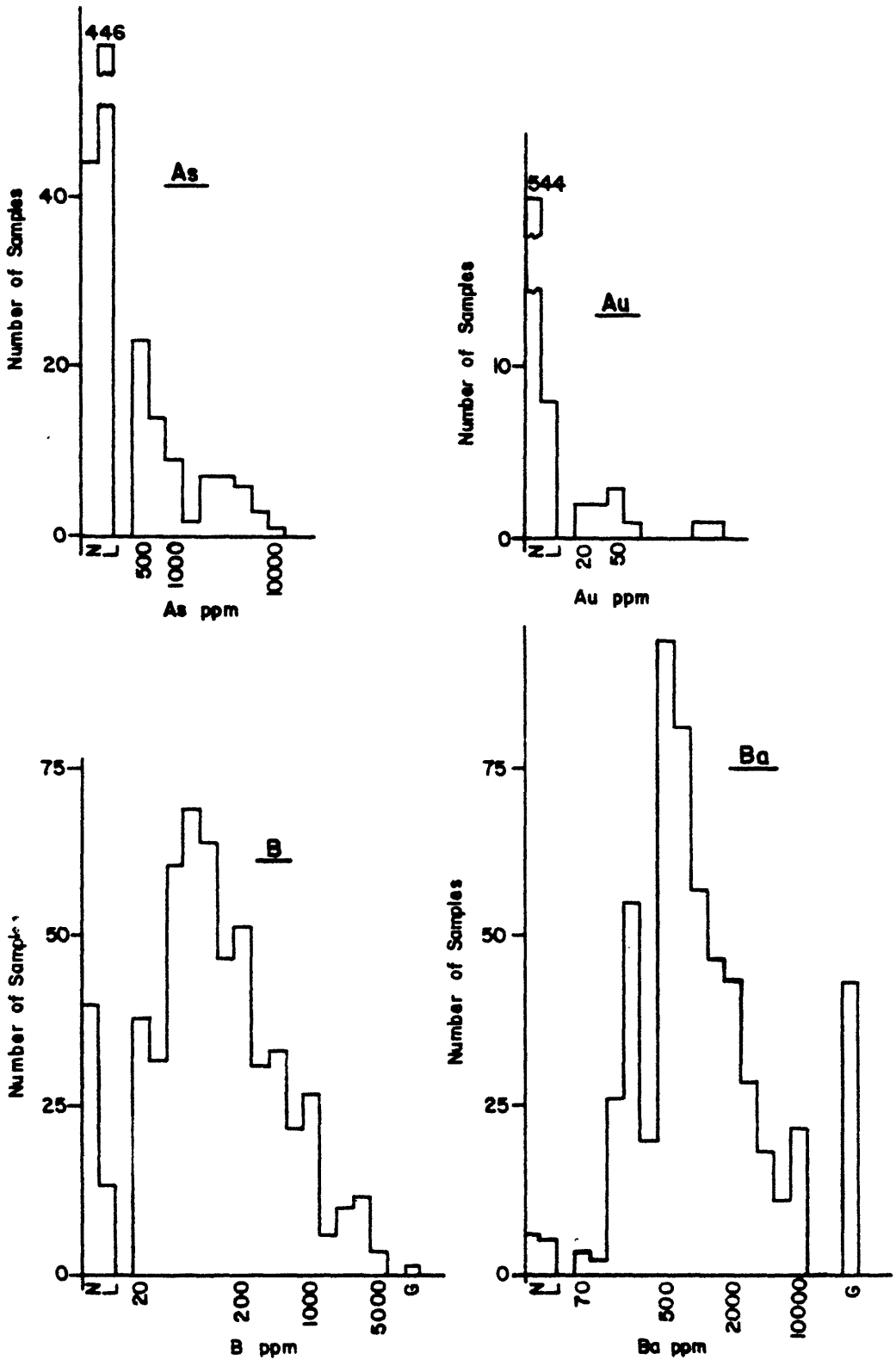


FIGURE 4 C

Histograms of the non-magnetic fraction of heavy mineral concentrate samples from El Correo area, northern Sonora, Mexico.

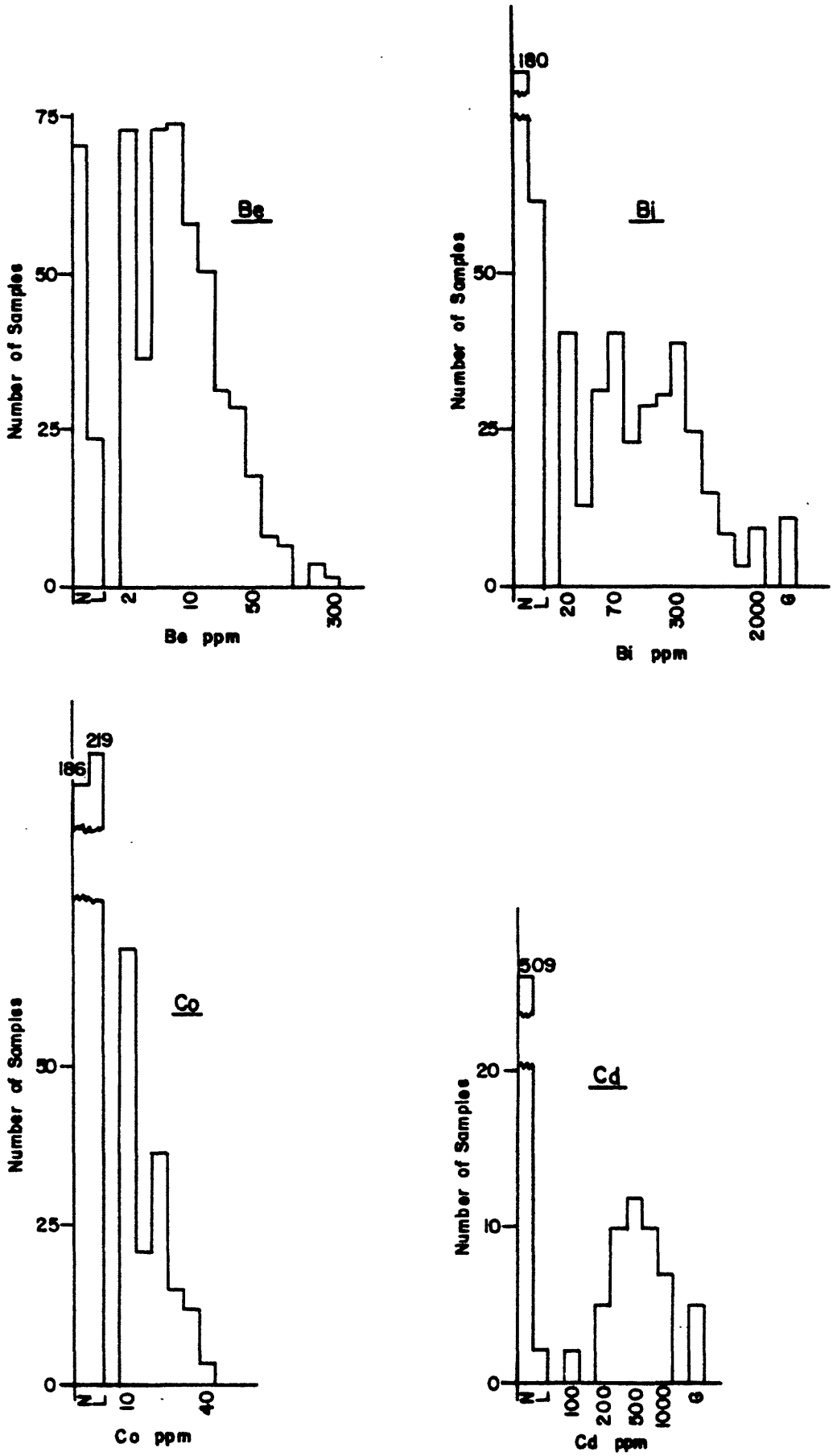


FIGURE 4 d

Histograms of the non-magnetic fraction of heavy mineral concentrate samples from El Correo area, northern Sonora, Mexico.

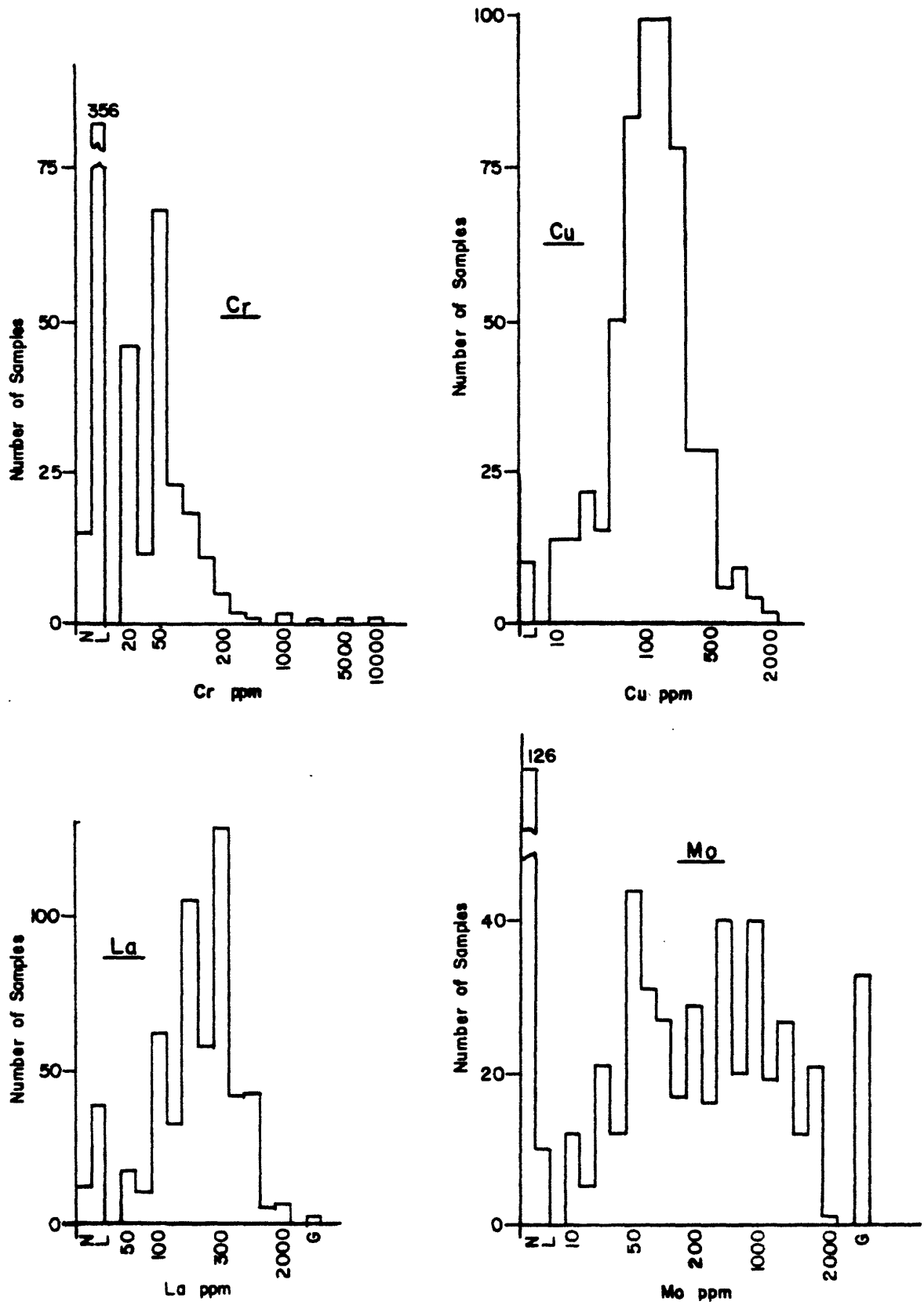


FIGURE 4e

Histograms of the non-magnetic fraction of heavy mineral concentrate samples from El Correo area, northern Sonora, Mexico.

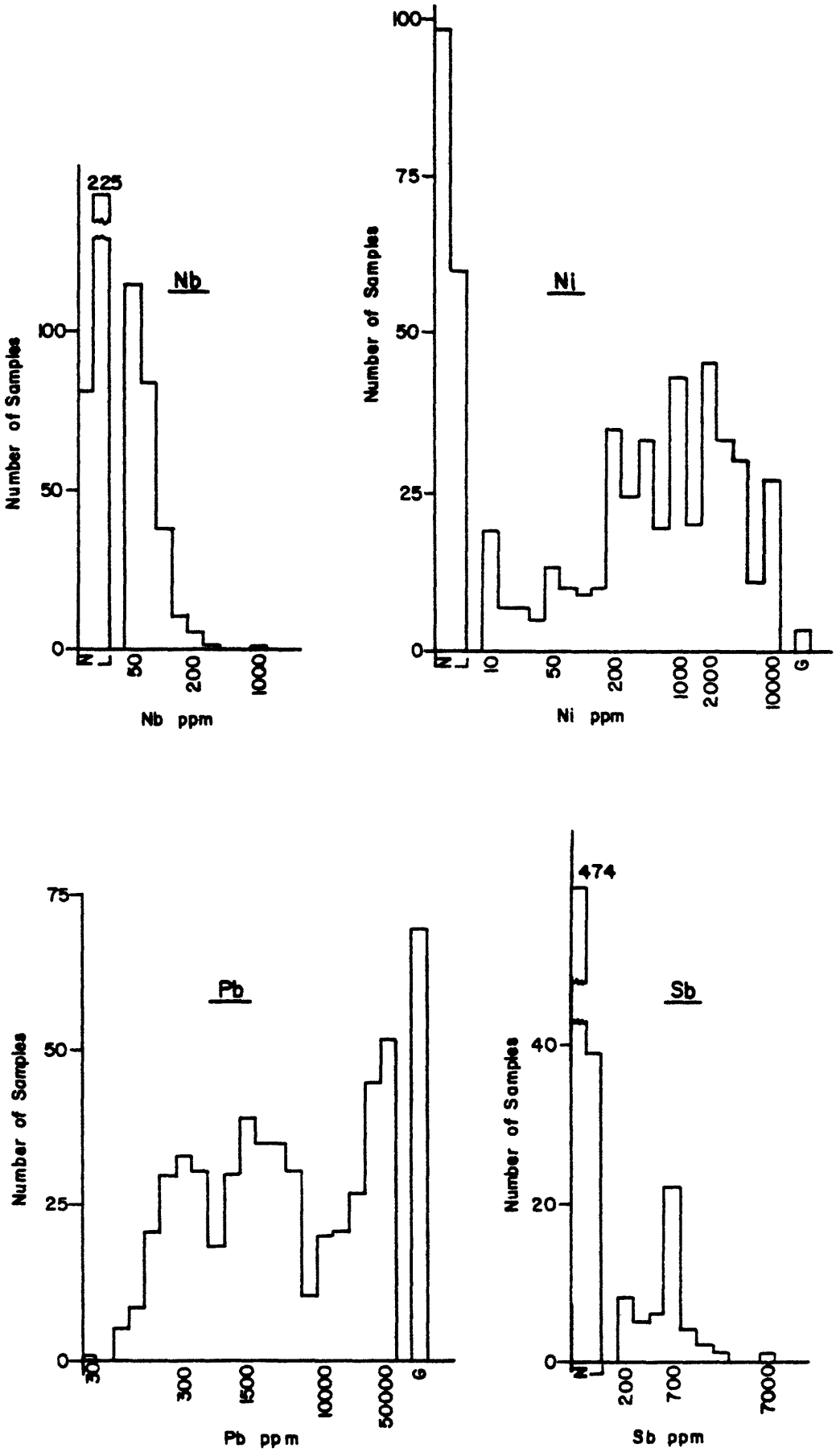


FIGURE 4f

Histograms of the non-magnetic fraction of heavy mineral concentrate samples from El Correo area, northern Sonora, Mexico.

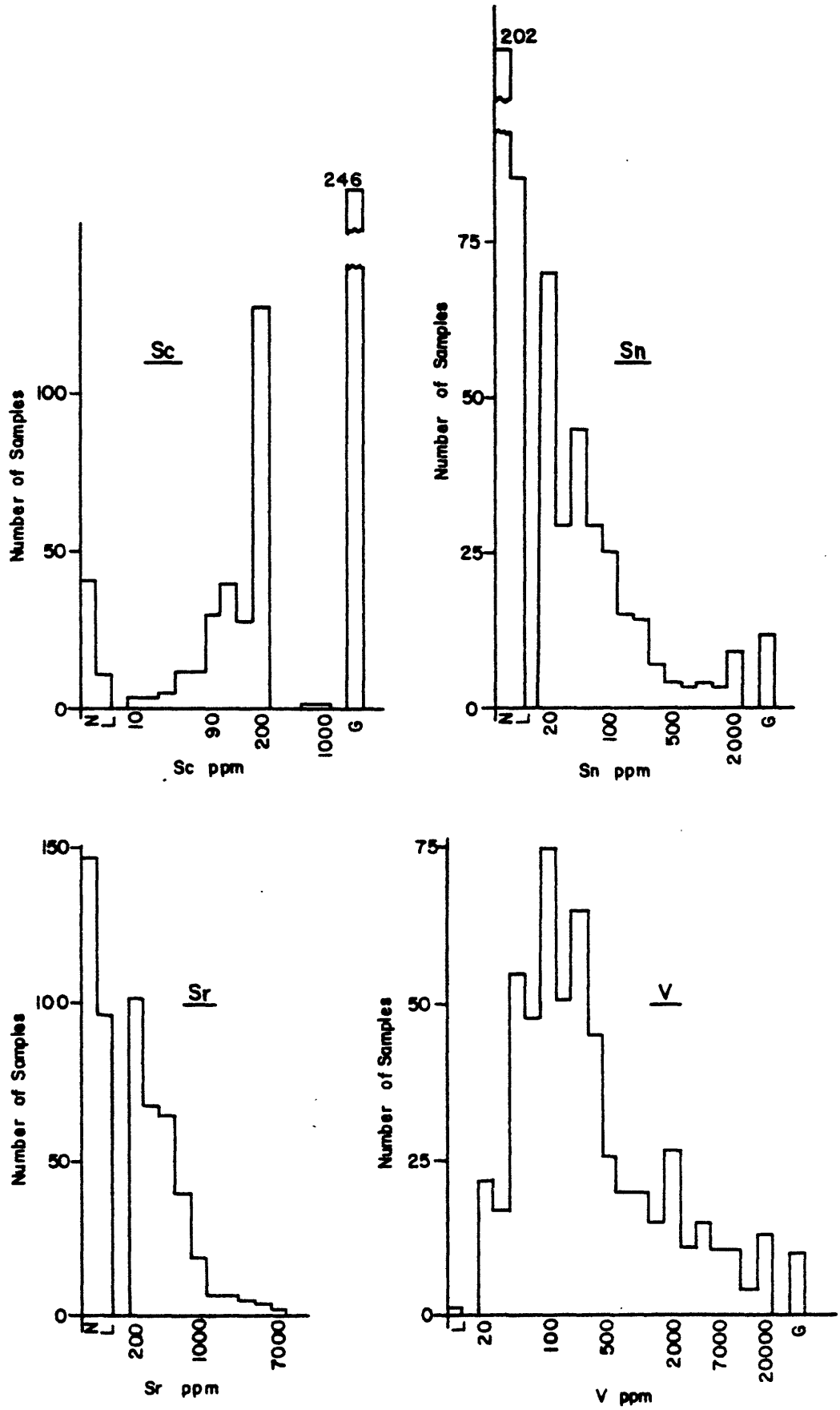


FIGURE 4 g

Histograms of the non-magnetic fraction of heavy mineral concentrate samples from El Correo area, northern Sonora, Mexico.

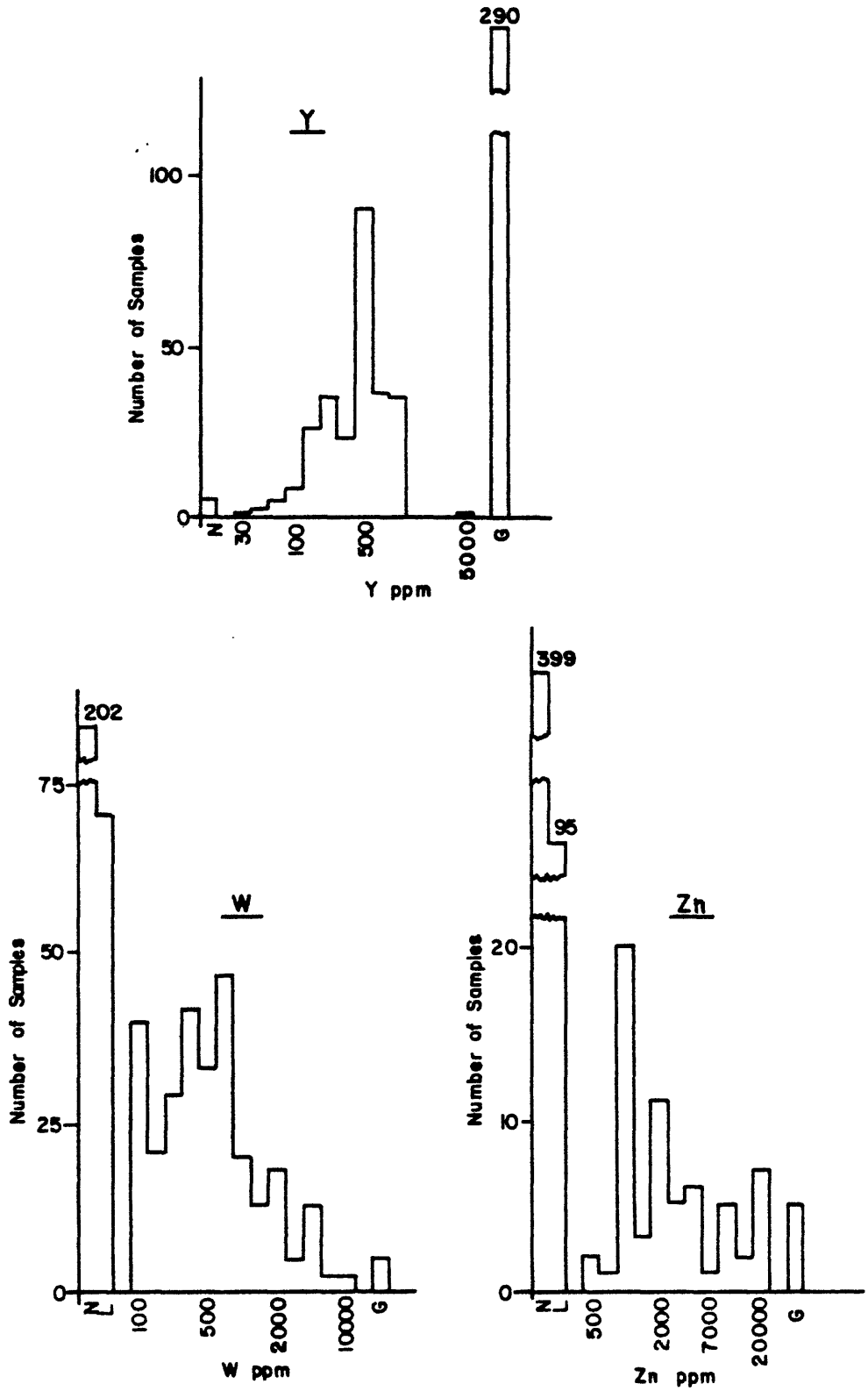


FIGURE 4 h

Histograms of the non-magnetic fraction of heavy mineral concentrate samples from El Correo area, northern Sonora, Mexico.

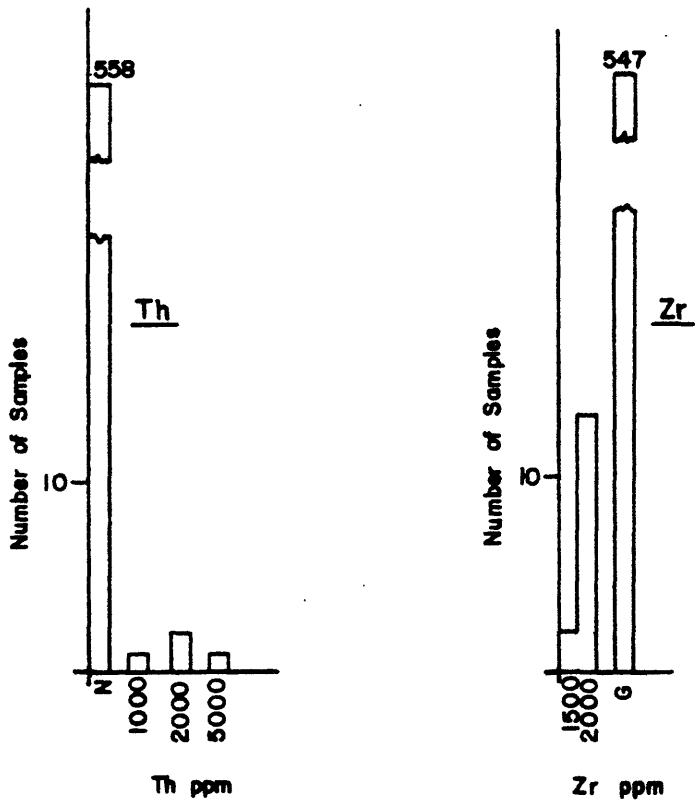


FIGURE 4j

Histograms of the non-magnetic fraction of heavy mineral concentrate samples from El Correo area, northern Sonora, Mexico.

TABLE 1. BASIC STATISTICS OF STREAM SEDIMENT SAMPLES FROM THE EL CORREO AREA, NORTHERN SONORA, MEXICO.

VAR	COLUMN	MINIMUM	MAXIMUM	GEOM. MEAN	GEOM. DEVIATION	VALID	L	N	G
1	LATITUDE	31.01583	31.22750	31.10558	1.001469	560	0	0	0
2	LONGITUDE	111.0433	111.3372	111.2042	0.0	560	0	0	0
3	S-FE%	0.500000	10.00000	2.397819	1.688461	560	0	0	2
4	S-MG%	0.100000	5.000000	0.524431	1.931527	560	0	0	0
5	S-CA%	0.050000	7.000000	0.373042	3.122038	560	1	0	0
6	S-TI%	0.100000	1.500000	0.318955	1.691193	560	0	0	0
7	S-MN	150.0000	5000.000	1334.240	1.883556	560	0	0	6
8	S-AG	0.500000	5.000000	0.689487	1.613961	130	162	268	0
11	S-B	10.00000	1500.000	75.54520	2.881499	540	16	4	0
12	S-BA	300.0000	3000.000	1155.177	1.424562	560	0	0	0
13	S-BE	1.000000	5.000000	1.707062	1.458094	530	21	11	0
14	S-BI	10.00000	150.0000	14.55345	1.981533	10	84	467	0
16	S-CD	5.000000	100.0000	9.526260	1.715213	370	87	103	0
17	S-CR	10.00000	1000.000	27.37936	2.513486	340	194	27	0
18	S-CU	5.000000	2000.000	28.20695	2.145868	550	8	0	0
19	S-LA	20.00000	200.0000	54.31556	1.545655	530	30	2	0
20	S-MO	5.000000	300.0000	8.586388	2.032887	170	170	227	0
21	S-NB	20.00000	30.00000	21.84292	1.186494	20	166	378	0
22	S-NI	5.000000	2000.000	15.01063	2.624400	290	182	95	0
23	S-PB	10.00000	5000.000	103.4132	2.580767	560	0	0	0
25	S-SC	5.000000	50.00000	7.146582	1.476627	540	20	0	0
26	S-SN	10.00000	20.00000	11.64931	1.305002	20	130	416	0
27	S-SR	100.0000	1500.000	179.7205	1.683869	360	176	27	0
28	S-V	10.00000	700.0000	41.74257	1.900730	560	0	0	0
29	S-W	50.00000	100.0000	70.47249	1.414283	0	35	529	0
30	S-Y	10.00000	150.0000	34.34339	1.755864	560	1	0	0
31	S-ZN	200.0000	1500.000	289.2037	1.615358	90	72	401	0
32	S-ZR	70.00000	700.0000	159.6561	1.523188	560	0	0	0

L=LESS THAN DETECTION LIMIT
N=NOT DETECTED
G=GREATER THAN UPPER LIMIT

TABLE 2. BASIC STATISTICS OF NON-MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATE SAMPLES FROM THE EL CORREO AREA, NORTHERN SONORA, MEXICO.

VAR	COLUMN	MINIMUM	MAXIMUM	GEOM. MEAN	GEOM. DEVIATION	VALID	L	N	G
1	LATITUDE	31.01583	31.22750	31.10482	1.001271	562	0	0	0
2	LONGITUDE	111.0433	111.3372	111.2056	0.0	562	0	0	0
3	S-FE%	0.100000	30.00000	1.350995	2.552941	562	0	0	0
4	S-MG%	0.050000	7.000000	0.213817	2.357455	555	7	0	0
5	S-CA%	0.100000	50.00000	2.105874	4.226027	550	12	0	0
6	S-TI%	0.200000	2.000000	1.407752	1.669061	166	0	0	396
7	S-MN	50.00000	10000.00	796.2536	3.091872	537	0	0	25
8	S-AG	1.000000	2000.000	13.48174	2.965867	257	252	53	0
9	S-AS	500.0000	10000.00	1149.958	2.428655	72	44	446	0
10	S-AU	20.00000	500.0000	58.53831	2.956862	10	8	544	0
11	S-B	20.00000	5000.000	142.4610	3.571420	507	13	40	2
12	S-BA	70.00000	10000.00	842.2620	2.981190	508	5	6	43
13	S-BE	2.000000	300.0000	8.386717	2.852254	467	24	71	0
14	S-BI	20.00000	2000.000	129.7938	3.385699	309	62	180	11
15	S-CD	100.0000	1000.000	451.5165	1.815519	46	2	509	5
16	S-CO	10.00000	70.00000	16.20521	1.712937	157	219	186	0
17	S-CR	20.00000	10000.00	54.46928	2.553912	191	356	15	0
18	S-CU	10.00000	2000.000	107.8131	2.627098	552	10	0	0
19	S-LA	50.00000	2000.000	297.7577	2.287733	508	39	12	3
20	S-MO	10.00000	7000.000	259.5987	5.351359	393	10	126	33
21	S-NB	50.00000	1000.000	68.28675	1.485131	256	225	81	0
22	S-NI	10.00000	10000.00	648.2664	6.330707	401	60	99	3
23	S-PB	30.00000	50000.00	2751.389	6.803720	493	0	0	69
24	S-SB	200.0000	7000.000	571.0796	1.994189	49	39	474	0
25	S-SC	10.00000	1000.000	118.7279	2.087552	264	11	41	246
26	S-SN	20.00000	2000.000	66.11322	3.336555	258	85	207	12
27	S-SR	200.0000	7000.000	409.6075	2.102008	317	97	148	0
28	S-V	20.00000	20000.00	259.6649	5.382342	551	1	0	10
29	S-W	100.0000	10000.00	468.3880	3.035782	285	70	202	5
30	S-Y	30.00000	5000.000	388.5826	2.082229	270	0	1	291
31	S-ZN	500.0000	20000.00	2679.419	3.004346	63	95	403	1
32	S-ZR	1500.000	2000.000	1924.738	1.106522	15	0	0	547
33	S-TH	1000.000	5000.000	2114.743	1.935178	4	0	556	0

L=LESS THAN DETECTION LIMIT
N=NOT DETECTED
G=GREATER THAN UPPER LIMIT

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico

(Abbreviations and detection limits on page #63)

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
ABM0001	31 8 37	111 11 55	2.0	.30	.20	.30	700	N	N	N	150	1,500
ABM0004	31 8 40	111 11 58	2.0	.30	.15	.20	1,500	3.0	N	N	50	1,500
ABM0007	31 8 34	111 12 9	2.0	.30	.20	.20	2,000	N	N	N	70	1,000
ABM0010	31 8 30	111 12 12	2.0	.50	.20	.30	3,000	.5	N	N	50	1,500
ABM0013	31 8 24	111 12 19	2.0	.50	.30	.30	1,500	N	N	N	20	1,000
ABM0016	31 8 14	111 12 19	3.0	1.50	.70	.50	2,000	N	N	N	200	1,500
ABM0019	31 9 27	111 13 2	3.0	.30	.10	.20	2,000	N	N	N	150	1,500
ABM0022	31 9 23	111 13 5	3.0	.30	.15	.30	2,000	.5	N	N	150	1,500
ABM0025	31 9 16	111 13 21	2.0	.20	.07	.30	1,000	1.5	N	N	50	1,500
ABM0028	31 9 14	111 13 26	2.0	.30	.30	.30	2,000	.5	N	N	200	1,500
ABM0031	31 8 20	111 11 20	1.5	.30	.15	.15	300	N	N	N	200	1,500
ABM0034	31 8 13	111 11 15	2.0	.30	.15	.20	300	.5	N	N	200	1,500
ABM0037	31 8 11	111 11 21	3.0	.20	.15	.30	1,000	.5	N	N	300	1,500
ABM0040	31 8 19	111 11 32	2.0	.30	.10	.30	700	<.5	N	N	200	1,500
ABM0043	31 8 22	111 11 50	5.0	.50	.30	.50	1,500	N	N	N	100	1,500
ABM0046	31 8 9	111 11 46	3.0	.50	.30	.30	700	N	N	N	20	1,500
ABM0049	31 7 30	111 11 12	3.0	.50	.15	.50	1,500	<.5	N	N	70	1,500
ABM0052	31 7 33	111 11 15	2.0	.50	.10	.50	2,000	.5	N	N	70	1,500
ABM0055	31 10 48	111 11 6	3.0	.50	.10	.50	2,000	N	N	N	150	1,500
ABM0058	31 7 53	111 11 12	3.0	.30	.10	.30	1,000	N	N	N	200	1,000
ABM0061	31 7 51	111 11 25	5.0	.50	.15	.70	2,000	N	N	N	100	1,500
ABM0064	31 7 53	111 11 35	2.0	.70	.50	.30	1,500	N	N	N	20	1,000
ABM0067	31 6 24	111 11 18	2.0	.70	.20	.30	1,500	.5	N	N	500	1,500
ABM0070	31 6 28	111 11 17	2.0	.30	.30	.30	1,500	<.5	N	N	500	2,000
ABM0073	31 6 42	111 11 47	3.0	.70	.50	.30	1,500	N	N	N	150	1,500
ABM0076	31 6 53	111 12 4	3.0	.70	.70	.70	1,000	N	N	N	50	1,000
ABM0079	31 7 5	111 12 20	1.5	.30	.15	.20	1,500	N	N	N	200	1,500
ABM0082	31 5 36	111 18 31	2.0	.30	.70	.30	1,500	N	N	N	20	2,000
ABM0085	31 5 31	111 18 30	2.0	.30	.70	.20	1,000	.7	N	N	10	1,500
ABM0088	31 5 42	111 19 3	1.5	.50	.70	.20	1,500	.5	N	N	15	1,500
ABM0091	31 5 41	111 19 13	1.5	.30	.70	.20	1,500	N	N	N	30	1,000
ABM0094	31 5 17	111 19 43	2.0	.70	1.00	.50	2,000	N	N	N	20	1,500
ABM0097	31 3 33	111 18 34	1.0	.30	.30	.15	700	N	N	N	30	1,000
ABM0100	31 3 35	111 18 41	5.0	.70	1.00	.70	1,500	N	N	N	70	2,000
ABM0103	31 3 15	111 18 36	3.0	.70	.70	.50	1,500	N	N	N	10	1,500
ABM0106	31 3 9	111 13 51	3.0	1.00	2.00	.70	1,500	N	N	N	30	1,500
ABM0109	31 9 45	111 6 51	3.0	.30	.15	.30	2,000	N	N	N	30	2,000
ABM0112	31 9 49	111 6 53	2.0	.20	.10	.20	700	N	N	N	30	1,500
ABM0115	31 9 54	111 7 24	2.0	.30	.30	.20	1,500	N	N	N	100	1,500
ABM0118	31 9 47	111 8 10	2.0	.50	.30	.30	2,000	N	N	N	10	1,500
ABM0121	31 9 16	111 8 50	2.0	.70	.50	.30	1,500	N	N	N	50	1,500
ABM0124	31 9 31	111 7 16	2.0	.20	.30	.15	1,500	N	N	N	10	1,000
ABM0127	31 9 22	111 8 4	3.0	.30	.20	.20	2,000	N	N	N	20	1,500
ABM0130	31 9 18	111 6 0	2.0	.20	.10	.50	1,500	N	N	N	20	1,500
ABM0133	31 9 13	111 5 59	3.0	.30	.20	.30	1,000	N	N	N	50	2,000

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
ABM0001	1.5	N	N	N	10	30	30	N	N	<5	50
ABM0004	2.0	N	N	N	10	20	50	N	N	<5	200
ABM0007	2.0	N	N	N	N	15	70	N	N	<5	150
ABM0010	2.0	N	N	<5	N	30	50	N	N	N	150
ABM0013	2.0	N	N	N	N	30	30	N	N	<5	70
ABM0016	2.0	N	N	15	150	70	70	N	N	30	70
ABM0019	3.0	N	N	N	N	30	70	5	N	<5	150
ABM0022	2.0	N	N	N	N	20	50	5	N	<5	300
ABM0025	3.0	N	N	N	N	30	50	7	N	<5	150
ABM0028	2.0	N	N	N	N	20	30	N	N	N	150
ABM0031	1.0	N	N	N	<10	70	<20	N	N	10	70
ABM0034	1.0	N	N	N	10	30	50	5	N	<5	70
ABM0037	2.0	N	N	N	<10	70	50	N	N	N	100
ABM0040	2.0	N	N	N	<10	15	50	N	N	N	100
ABM0043	2.0	N	N	5	<10	50	50	N	N	<5	150
ABM0046	3.0	N	N	<5	20	30	100	N	N	5	70
ABM0049	2.0	N	N	<5	15	20	50	N	N	<5	50
ABM0052	2.0	N	N	5	10	50	70	N	N	7	50
ABM0055	2.0	N	N	N	<10	30	50	N	N	N	30
ABM0058	2.0	N	N	N	<10	70	50	5	N	<5	50
ABM0061	3.0	N	N	5	30	50	70	N	N	15	70
ABM0064	3.0	N	N	N	15	30	70	N	N	<5	70
ABM0067	2.0	15	N	<5	10	70	50	N	N	N	70
ABM0070	2.0	N	N	N	10	50	30	N	N	N	50
ABM0073	2.0	N	N	10	50	30	50	N	N	15	150
ABM0076	2.0	N	N	7	20	30	30	N	N	15	70
ABM0079	3.0	N	N	N	<10	50	50	N	N	N	100
ABM0082	2.0	N	N	N	20	30	70	N	N	N	150
ABM0085	2.0	N	N	N	50	15	<20	N	N	5	100
ABM0088	1.5	N	N	N	20	30	70	N	N	10	150
ABM0091	2.0	N	N	<5	30	15	50	N	N	15	100
ABM0094	1.5	N	N	<5	50	20	70	N	N	5	100
ABM0097	3.0	N	N	N	10	15	50	N	N	<5	70
ABM0100	3.0	N	N	10	100	50	50	N	N	30	100
ABM0105	3.0	N	N	<5	50	20	50	N	N	5	50
ABM0106	2.0	N	N	15	70	50	50	N	N	70	50
ABM0109	2.0	N	N	N	<10	20	50	N	N	N	30
ABM0112	1.5	N	N	N	<10	20	30	N	N	N	50
ABM0115	<1.0	N	N	<5	15	20	<20	N	N	<5	30
ABM0118	1.5	N	N	N	15	20	20	N	N	N	50
ABM0121	2.0	N	N	7	30	50	<20	N	N	5	50
ABM0124	1.5	N	N	N	10	30	50	N	N	N	50
ABM0127	1.0	N	N	N	20	30	50	N	N	<5	30
ABM0130	1.0	N	N	N	10	20	50	N	N	N	20
ABM0133	1.0	N	N	N	<10	20	30	N	N	N	30

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
[illegible]	N	5	N	N	20	N	20	N	100	N
[illegible]	N	5	N	<100	50	N	20	N	150	N
[illegible]	N	5	N	<100	30	N	20	N	150	N
[illegible]	N	7	N	<100	20	N	20	N	150	N
[illegible]	N	5	N	100	20	N	30	N	150	N
[illegible]	N	7	N	200	50	N	30	N	100	N
[illegible]	N	7	N	<100	30	N	30	200	150	N
[illegible]	N	5	N	100	20	N	20	500	100	N
[illegible]	N	5	N	<100	10	N	30	300	150	N
[illegible]	N	5	N	<100	20	N	30	200	150	N
[illegible]	N	5	N	<100	20	N	20	N	150	N
[illegible]	N	5	N	<100	30	N	20	N	100	N
[illegible]	N	7	N	<100	30	N	30	<200	200	N
[illegible]	N	5	N	N	30	N	20	N	150	N
[illegible]	N	5	N	<100	30	N	30	N	150	N
[illegible]	N	7	N	<100	50	N	30	N	150	N
[illegible]	N	5	N	<100	30	N	20	N	150	N
[illegible]	N	7	N	<100	30	N	20	<200	150	N
[illegible]	N	5	N	<100	10	N	20	N	150	N
[illegible]	N	5	N	<100	30	N	20	N	100	N
[illegible]	N	7	N	150	50	N	30	N	150	N
[illegible]	N	7	N	<100	50	N	20	N	150	N
[illegible]	N	7	N	<100	30	N	20	N	150	N
[illegible]	N	7	N	N	20	N	20	N	150	N
[illegible]	N	5	N	200	50	N	20	N	100	N
[illegible]	N	7	N	200	30	N	30	N	150	N
[illegible]	N	5	N	<100	20	N	20	<200	200	N
[illegible]	N	5	N	<100	30	N	20	200	700	N
[illegible]	N	<5	N	<100	20	N	30	200	150	N
[illegible]	N	5	N	<100	30	N	20	<200	150	N
[illegible]	N	5	N	<100	50	N	20	N	100	N
[illegible]	N	5	N	100	30	N	20	N	200	N
[illegible]	N	5	N	<100	20	N	20	N	100	N
[illegible]	N	7	N	200	30	N	20	N	150	N
[illegible]	N	5	N	<100	20	N	15	N	150	N
[illegible]	N	10	N	300	70	N	20	N	150	N
[illegible]	N	5	N	N	30	N	20	N	200	N
[illegible]	N	5	N	<100	30	N	15	N	150	N
[illegible]	N	<5	N	N	20	N	10	N	500	N
[illegible]	N	5	N	<100	30	N	20	N	200	N
[illegible]	N	7	N	<100	30	N	20	N	150	N
[illegible]	N	5	N	N	20	N	15	N	150	N
[illegible]	N	5	N	<100	20	N	20	N	200	N
[illegible]	N	5	N	<100	20	N	20	N	300	N
[illegible]	N	5	N	<100	30	N	15	N	200	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
ABM0136	31 9 19	111 6 22	2.0	.20	.15	.30	2,000	N	N	N	30	1,000
ABM0139	31 9 8	111 7 15	1.5	.20	.10	.20	1,000	N	N	N	20	1,500
ABM0142	31 8 44	111 8 7	2.0	.30	.15	.30	1,500	N	N	N	20	1,500
ABM0146	31 7 58	111 6 59	3.0	1.00	3.00	.50	2,000	N	N	N	70	1,000
ABM0149	31 8 4	111 7 16	3.0	.70	1.50	.50	1,500	N	N	N	30	1,000
ABM0152	31 8 12	111 7 40	2.0	1.50	2.00	.50	700	1.0	N	N	50	1,500
ABM0155	31 8 22	111 8 6	2.0	.30	.50	.20	1,000	N	N	N	70	1,000
ABM0158	31 8 23	111 8 17	1.5	.30	.30	.30	500	N	N	N	150	700
ABM0161	31 8 28	111 8 35	2.0	.30	.70	.30	1,000	N	N	N	70	1,000
ABM0164	31 8 37	111 9 9	2.0	.30	.70	.20	700	N	N	N	70	1,500
FGG0001	31 6 5	111 18 31	3.0	.70	.70	.20	3,000	N	N	N	50	1,500
FGG0004	31 6 9	111 18 28	5.0	.70	1.00	.70	3,000	N	N	N	20	2,000
FGG0007	31 6 16	111 18 58	3.0	.30	.70	.30	1,000	N	N	N	N	1,500
FGG0010	31 4 19	111 19 15	3.0	.70	1.00	.70	3,000	N	N	N	50	1,500
FGG0013	31 4 18	111 19 11	3.0	1.00	.70	.30	1,000	N	N	N	10	1,500
FGG0016	31 3 34	111 19 14	5.0	2.00	3.00	1.00	3,000	N	N	N	100	1,500
FGG0019	31 3 12	111 19 18	3.0	1.00	1.50	.50	1,500	N	N	N	50	1,500
FGG0022	31 3 7	111 17 51	10.0	1.00	2.00	1.00	>5,000	N	N	N	50	1,500
FGG0025	31 3 4	111 17 55	5.0	1.00	1.50	.70	2,000	N	N	N	10	1,500
FGG0028	31 2 51	111 17 56	5.0	2.00	1.50	1.00	2,000	N	N	N	30	1,000
FGG0031	31 2 46	111 17 51	7.0	1.50	3.00	1.00	1,000	N	N	N	15	1,500
FGG0034	31 2 25	111 18 17	5.0	1.50	5.00	.70	1,500	N	N	N	70	1,500
FGG0037	31 2 19	111 18 31	7.0	.70	5.00	.70	1,500	N	N	N	30	1,000
FGG0040	31 11 35	111 11 53	3.0	.70	.70	.70	1,000	N	N	N	30	1,500
FGG0043	31 11 27	111 12 3	3.0	.70	3.00	.70	700	N	N	N	30	1,000
FGG0046	31 11 17	111 11 52	3.0	.70	3.00	.50	1,000	N	N	N	20	1,000
FGG0049	31 11 25	111 10 52	5.0	.30	.15	.50	3,000	N	N	N	30	1,500
FGG0052	31 11 11	111 10 51	2.0	1.00	5.00	.50	1,000	N	N	N	30	1,000
FGG0055	31 10 55	111 10 37	2.0	.70	1.50	.30	1,500	N	N	N	50	1,500
FGG0058	31 10 50	111 10 48	3.0	1.50	1.50	.50	2,000	N	N	N	70	1,500
FGG0061	31 11 35	111 11 57	5.0	1.00	5.00	.50	1,500	N	N	N	70	1,500
FGG0063	31 9 53	111 11 21	5.0	.50	1.50	.70	1,500	N	N	N	50	1,500
FGG0069	31 9 47	111 10 51	3.0	.30	.15	.30	500	N	N	N	300	1,500
FGG0072	31 9 23	111 10 48	2.0	.30	.50	.30	500	N	N	N	150	1,500
HNB0001	31 8 56	111 14 54	2.0	.30	.15	.30	1,500	.7	N	N	10	1,500
HNB0004	31 8 20	111 15 8	1.5	.30	.70	.30	1,500	.5	N	N	150	700
HNB0007	31 8 1	111 15 12	7.0	.70	.70	1.00	1,000	N	N	N	70	700
HNB0010	31 7 56	111 14 56	3.0	.50	.50	.30	1,500	1.5	N	N	100	1,500
HNB0013	31 7 42	111 14 49	2.0	.30	.70	.30	2,000	N	N	N	100	1,500
HNB0016	31 7 59	111 15 44	2.0	.50	.50	.20	2,000	N	N	N	15	700
HNB0020	31 8 17	111 17 7	3.0	1.00	1.50	.30	2,000	N	N	N	50	1,000
HNB0023	31 7 11	111 15 34	1.5	.30	.50	.30	2,000	N	N	N	20	1,500
HNB0026	31 7 27	111 15 43	2.0	.50	.50	.30	2,000	N	N	N	20	700
HNB0029	31 7 30	111 16 13	5.0	1.50	5.00	.70	1,000	N	N	N	70	1,000
HNB0032	31 7 52	111 17 45	3.0	1.00	1.50	.30	2,000	N	N	N	30	700

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
AJ40136	1.0	N	N	<5	N	20	<20	<5	N	N	20
AFM0139	<1.0	N	N	N	N	10	<20	N	N	<5	20
AJM0142	1.0	N	N	N	<10	20	<20	N	N	N	15
ADM0146	2.0	N	N	10	30	30	70	N	N	15	70
AJM0149	3.0	N	N	10	30	50	70	10	N	20	200
ADM0152	2.0	N	N	10	30	50	30	N	N	30	30
AJM0155	2.0	N	N	<5	<10	20	70	5	N	<5	50
AJM0158	1.5	N	N	N	<10	15	30	10	N	N	100
AJM0161	2.0	N	N	<5	10	20	50	10	N	5	100
AJM0164	1.5	N	N	<5	10	20	50	N	N	<5	70
FGG0031	2.0	N	N	10	70	30	<20	N	N	20	100
FGG0034	2.0	N	N	15	200	70	100	N	N	70	100
FGG0037	1.5	N	N	<5	20	20	<20	N	N	10	150
FGG0040	2.0	N	N	7	150	30	30	N	N	30	70
FGG0043	1.0	N	N	15	200	15	<20	N	N	70	150
FGG0046	2.0	N	N	20	150	50	50	N	20	70	50
FGG0049	1.0	N	N	15	100	50	<20	N	N	30	30
FGG0052	2.0	N	N	15	100	70	70	N	N	50	150
FGG0055	2.0	N	N	15	150	30	70	N	20	70	150
FGG0058	3.0	N	N	30	150	100	70	N	N	100	30
FGG0061	<1.0	N	N	50	200	100	<20	N	N	150	20
FGG0064	2.0	N	N	30	200	70	70	N	N	70	20
FGG0067	1.0	N	N	30	150	70	<20	N	N	70	15
FGG0070	2.0	N	N	5	30	30	100	N	N	7	70
FGG0073	1.5	N	N	5	30	20	70	<5	N	10	30
FGG0076	1.5	N	N	10	30	20	70	5	N	7	30
FGG0079	3.0	N	N	<5	<10	150	70	<5	N	N	150
FGG0082	2.0	N	N	15	30	30	50	7	N	10	30
FGG0085	3.0	N	N	7	20	30	<20	N	N	7	50
FGG0088	2.0	N	N	7	30	30	50	<5	N	15	70
FGG0091	2.0	N	N	10	50	50	70	15	N	20	70
FGG0094	2.0	<10	N	5	70	20	50	N	N	5	100
FGG0097	1.0	N	N	N	10	30	30	N	N	N	30
FGG0100	1.5	N	N	<5	15	30	50	N	N	<5	50
HMG0001	3.0	N	N	N	10	30	50	7	N	N	150
HMG0004	1.0	N	N	5	N	20	50	N	N	10	100
HMG0007	1.0	N	N	20	10	50	30	N	N	20	30
HMG0010	3.0	N	N	5	<10	30	70	N	N	10	150
HMG0013	1.0	N	N	<5	<10	20	50	5	N	N	150
HMG0016	1.0	N	N	5	N	30	70	7	N	N	150
HMG0019	1.0	N	N	15	10	50	70	5	N	30	50
HMG0022	2.0	N	N	5	<10	30	50	5	N	N	300
HMG0025	2.0	N	N	10	N	30	70	5	N	N	200
HMG0028	2.0	N	N	15	<10	50	50	5	N	50	70
HMG0031	2.0	20	N	10	20	70	50	<5	N	50	50

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
ABM0136	N	5	N	N	20	N	30	N	150	N
ABM0139	N	5	N	N	20	N	15	N	150	N
ABM0142	N	5	N	<100	30	N	20	N	150	N
ABM0146	N	7	N	700	30	N	20	N	150	N
ABM0149	N	10	N	700	50	N	30	N	150	N
ABM0152	N	10	N	700	50	N	20	N	150	N
ABM0155	N	5	N	100	20	N	20	N	150	N
ABM0158	N	7	N	100	30	N	30	N	150	N
ABM0161	N	7	N	100	30	N	30	N	150	N
ABM0164	N	5	N	100	20	N	20	N	150	N
FGG0001	N	5	N	<100	70	N	30	200	150	N
FGG0004	N	15	N	200	70	N	50	200	200	N
FGG0007	N	7	N	200	30	N	30	<200	150	N
FGG0010	N	7	N	300	30	N	30	N	150	N
FGG0013	N	7	N	100	50	N	20	N	150	N
FGG0016	N	10	N	300	70	N	30	N	150	N
FGG0019	N	5	N	300	30	N	20	N	150	N
FGG0022	N	15	N	300	100	N	70	300	300	N
FGG0025	N	10	N	200	70	N	50	700	150	N
FGG0028	N	20	N	300	100	N	30	N	150	N
FGG0031	N	15	N	300	300	N	20	N	200	N
FGG0034	N	15	N	300	100	N	30	N	200	N
FGG0037	N	15	N	300	150	N	30	N	150	N
FGG0040	N	7	N	<100	50	N	15	N	100	N
FGG0043	N	7	N	<100	50	N	30	N	100	N
FGG0046	N	7	N	100	50	N	15	N	100	N
FGG0049	N	7	N	100	20	N	50	N	200	N
FGG0052	N	7	N	200	50	N	20	N	100	N
FGG0055	N	7	N	<100	30	N	20	N	150	N
FGG0058	N	7	N	<100	50	N	20	N	100	N
FGG0061	N	5	N	100	50	N	30	N	150	N
FGG0063	N	5	N	<100	150	N	20	N	200	N
FGG0069	N	5	N	<100	30	N	30	N	200	N
FGG0072	N	5	N	N	20	N	20	N	150	N
HNB0001	N	5	N	100	20	N	20	200	100	N
HNB0004	N	5	N	<100	70	N	20	<200	150	N
HNB0007	N	15	N	150	150	N	30	<200	150	N
HNB0010	N	7	N	150	30	N	20	<200	150	N
HNB0013	N	10	N	<100	20	N	20	<200	150	N
HNB0016	N	7	N	<100	70	N	20	300	100	N
HNB0020	N	10	N	150	70	N	20	N	150	N
HNB0023	N	5	N	<100	50	N	20	200	150	N
HNB0026	N	5	N	100	70	N	20	200	150	N
HNB0029	N	10	N	300	100	N	30	N	150	N
HNB0032	N	7	N	150	70	N	20	N	150	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
HN80035	31 7 28	111 18 34	5.0	2.00	2.00	1.00	700	N	N	N	30	700
HN80038	31 6 59	111 19 0	2.0	.30	.70	.20	700	N	N	N	N	1,500
HN80041	31 6 37	111 19 1	5.0	.50	1.00	.30	1,500	N	N	N	N	1,500
HN80044	31 6 43	111 19 56	3.0	.70	1.50	.30	1,000	N	N	N	70	1,000
HN80047	31 6 28	111 20 14	2.0	.70	1.50	.50	1,000	N	N	N	70	700
HN80050	31 6 55	111 13 26	3.0	1.00	1.50	.70	2,000	N	N	N	20	1,500
HN80053	31 6 50	111 13 2	3.0	.70	.70	.50	1,500	N	N	N	20	1,500
HN80056	31 6 46	111 12 59	3.0	.70	1.50	.50	3,000	N	N	N	70	1,500
HN80059	31 6 43	111 12 58	3.0	.70	1.00	.50	500	N	N	N	50	1,500
HN80062	31 6 26	111 13 5	2.0	.30	.15	.30	1,500	N	N	N	20	700
HN80065	31 6 44	111 14 5	2.0	.30	.20	.30	1,500	N	N	N	10	1,500
HN80068	31 8 42	111 14 53	2.0	.30	.50	.50	5,000	1.5	N	N	20	1,500
HN80071	31 8 56	111 14 54	2.0	.30	.50	.50	1,000	N	N	N	<10	2,000
HN80074	31 8 24	111 14 59	7.0	.30	.30	.30	5,000	3.0	N	N	300	1,000
HN80077	31 8 28	111 15 53	5.0	.50	1.50	.50	5,000	.5	N	N	150	1,000
HN80080	31 8 27	111 13 50	3.0	.50	.70	.30	2,000	N	N	N	100	1,500
HN80083	31 8 6	111 14 20	3.0	.30	.50	.20	3,000	.5	N	N	50	1,000
HN80086	31 7 52	111 14 29	2.0	.50	.50	.50	3,000	<.5	N	N	100	1,500
HN80089	31 5 34	111 10 26	2.0	.30	.10	.30	1,500	<.5	N	N	100	1,500
HN80092	31 5 37	111 10 28	3.0	.50	.20	.30	2,000	N	N	N	50	1,500
HN80095	31 5 33	111 11 25	2.0	.20	.10	.20	1,000	N	N	N	30	500
HN80098	31 5 32	111 11 35	3.0	.30	.10	.50	700	N	N	N	150	1,500
HN80101	31 5 11	111 11 58	2.0	.30	.10	.20	1,000	N	N	N	300	1,500
HN80104	31 5 8	111 12 30	3.0	.15	.10	.30	1,500	<.5	N	N	150	1,500
HN80107	31 4 58	111 13 5	2.0	.50	.70	.30	1,000	N	N	N	50	1,500
HN80110	31 5 10	111 13 10	2.0	.20	.20	.30	200	N	N	N	150	1,500
HN80113	31 4 21	111 17 15	3.0	.50	1.00	.50	500	N	N	N	20	1,500
HN80116	31 4 19	111 17 9	3.0	.30	1.00	.50	2,000	N	N	N	50	1,500
HN80119	31 4 14	111 17 8	3.0	.50	1.50	.50	300	N	N	N	150	1,500
HN80121	31 4 18	111 17 29	1.5	.20	.50	.20	300	N	N	N	<10	1,500
HN80124	31 3 38	111 17 49	2.0	.30	.70	.20	2,000	N	N	N	N	1,500
HN80127	31 3 56	111 17 17	2.0	.30	.50	.15	2,000	N	N	N	30	2,000
HN80130	31 3 59	111 17 16	3.0	.50	.70	.30	1,500	N	N	N	70	1,500
HN80131	31 8 30	111 14 22	2.0	.50	.30	.30	3,000	.7	N	N	70	2,000
HN80134	31 8 35	111 14 20	3.0	.50	.50	.30	5,000	<.5	N	N	20	1,500
HN80137	31 8 51	111 14 43	3.0	.50	.70	.30	1,000	.7	N	N	30	2,000
HN80140	31 7 53	111 12 18	2.0	.30	.10	.30	1,500	<.5	N	N	150	1,500
HN80143	31 7 56	111 12 30	2.0	.30	.15	.20	1,500	N	N	N	<10	1,500
HN80147	31 7 41	111 12 31	3.0	.50	1.00	.50	2,000	N	N	N	100	1,500
HN80150	31 7 36	111 12 6	5.0	.70	.50	.30	1,000	.5	N	N	100	1,500
HN80153	31 7 23	111 12 11	3.0	.50	.30	.30	1,000	.5	N	N	200	1,500
HN80156	31 4 29	111 18 6	1.5	.30	.50	.20	3,000	N	N	N	50	1,500
HN80159	31 4 26	111 18 2	2.0	.30	.50	.20	1,000	N	N	N	20	2,000
HN80162	31 3 59	111 18 11	1.5	.30	.70	.20	3,000	N	N	N	10	1,500
HN80163	31 3 56	111 18 24	10.0	2.00	2.00	1.00	3,000	N	N	N	30	1,500

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
HNB0035	1.0	N	N	30	30	50	50	N	N	70	20
HNB0033	1.0	N	N	N	<10	10	50	N	N	N	30
HNB0041	1.5	N	N	5	20	30	50	<5	N	20	200
HNB0044	2.0	N	N	7	<10	30	50	5	N	30	30
HNB0047	1.0	N	N	10	15	20	50	N	N	15	30
HNB0050	2.0	N	N	5	20	70	70	5	N	20	100
HNB0053	2.0	N	N	5	20	15	70	N	N	5	100
HNB0056	1.5	N	N	15	30	20	70	5	N	20	100
HNB0059	2.0	N	N	10	30	30	50	N	N	20	50
HNB0062	1.5	N	N	N	<10	30	50	<5	N	N	100
HNB0065	1.5	N	N	N	20	20	50	N	N	N	150
HNB0068	3.0	N	N	5	10	50	50	15	N	<5	500
HNB0071	1.5	N	N	5	<10	30	70	10	N	N	150
HNB0074	3.0	20	N	15	<10	70	70	30	N	10	500
HNB0077	3.0	N	N	7	<10	70	50	10	N	N	300
HNB0080	1.0	N	N	N	<10	50	50	N	N	N	200
HNB0083	5.0	N	N	N	<10	30	50	N	N	<5	500
HNB0086	2.0	N	N	5	<10	30	50	5	N	<5	500
HNB0089	1.0	N	N	N	<10	30	50	N	N	N	150
HNB0092	1.0	N	N	N	10	20	100	N	N	N	500
HNB0095	1.0	N	N	N	<10	15	50	<5	N	K	150
HNB0098	1.0	N	N	N	20	20	70	N	N	<5	70
HNB0101	1.5	N	N	N	10	20	50	N	N	N	70
HNB0104	2.0	N	N	N	<10	30	50	N	N	N	50
HNB0107	1.5	N	N	N	10	15	50	N	N	<5	100
HNB0110	1.0	N	N	N	<10	10	50	N	N	N	50
HNB0113	2.0	N	N	7	70	20	70	N	N	30	200
HNB0116	1.5	N	N	7	30	10	<20	N	N	20	50
HNB0119	1.0	N	N	10	50	10	<20	N	N	20	20
HNB0121	1.5	N	N	N	20	10	<20	N	N	20	70
HNB0124	5.0	N	N	N	20	30	70	N	N	5	150
HNB0127	2.0	N	N	N	30	20	70	N	N	10	200
HNB0130	3.0	N	N	5	50	15	50	10	N	10	100
HNB0131	3.0	N	N	<5	15	70	70	10	N	5	500
HNB0134	3.0	150	N	5	20	50	100	15	N	5	3,000
HNB0137	3.0	N	N	10	<10	15	70	N	N	N	200
HNB0140	3.0	N	N	5	<10	70	<20	5	N	N	150
HNB0143	2.0	N	N	N	<10	<5	<20	N	N	N	50
HNB0147	3.0	N	N	7	100	50	100	<5	N	30	100
HNB0150	3.0	N	N	10	<10	50	70	<5	N	5	200
HNB0153	3.0	N	N	<5	<10	30	50	N	N	5	100
HNB0156	3.0	N	N	N	50	30	<20	N	N	10	150
HNB0159	3.0	N	N	N	15	15	50	N	N	<5	150
HNB0162	3.0	N	N	N	15	20	20	N	N	N	150
HNB0165	2.0	N	N	20	150	100	20	N	N	70	30

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
[illegible]	N	15	N	500	100	N	20	N	150	N
[illegible]	N	5	N	<100	20	N	20	N	100	N
[illegible]	N	7	N	200	30	N	20	<200	150	N
[illegible]	N	7	N	200	50	N	20	N	150	N
[illegible]	N	7	N	200	70	N	30	N	100	N
[illegible]	N	7	N	150	70	N	30	N	150	N
[illegible]	N	7	N	150	50	N	20	N	150	N
[illegible]	N	5	N	200	50	N	20	N	100	N
[illegible]	N	10	N	<100	30	N	30	<200	150	N
[illegible]	N	7	N	<100	30	N	30	N	150	N
[illegible]	N	7	N	150	30	N	20	200	100	N
[illegible]	N	5	N	100	20	N	30	500	150	N
[illegible]	N	7	N	200	20	N	30	300	150	N
[illegible]	N	7	N	100	50	N	30	500	500	N
[illegible]	N	7	N	200	100	N	30	200	300	N
[illegible]	N	5	N	<100	70	N	30	200	150	N
[illegible]	N	5	N	<100	50	N	20	500	100	N
[illegible]	N	5	N	150	50	N	30	500	200	N
[illegible]	N	7	N	<100	20	N	20	<200	100	N
[illegible]	N	7	N	150	20	N	20	300	200	N
[illegible]	N	5	N	<100	20	N	100	N	150	N
[illegible]	N	5	N	100	20	N	20	N	150	N
[illegible]	N	5	N	<100	20	N	20	N	100	N
[illegible]	N	5	N	<100	30	N	20	N	150	N
[illegible]	N	5	N	100	30	N	20	N	150	N
[illegible]	N	5	N	<100	20	N	20	N	150	N
[illegible]	N	7	N	200	30	N	20	<200	200	N
[illegible]	N	15	N	<100	30	N	50	N	300	N
[illegible]	N	20	N	200	30	N	30	N	150	N
[illegible]	N	7	N	<100	15	N	20	N	100	N
[illegible]	N	5	N	<100	50	N	20	N	150	N
[illegible]	N	5	N	N	30	N	20	N	150	N
[illegible]	N	5	N	<100	50	N	20	700	150	N
[illegible]	N	7	N	<100	20	N	30	1,500	100	N
[illegible]	N	7	N	100	50	N	30	200	200	N
[illegible]	N	7	N	100	50	N	20	300	200	N
[illegible]	N	<5	N	<100	30	N	20	<200	150	N
[illegible]	N	<5	N	<100	30	N	20	N	100	N
[illegible]	N	7	N	100	30	N	30	N	200	N
[illegible]	N	7	N	100	50	N	30	200	150	N
[illegible]	N	5	N	<100	50	N	20	N	100	N
[illegible]	N	5	N	<100	30	N	20	<200	100	N
[illegible]	N	5	N	<100	20	N	15	N	100	N
[illegible]	N	5	N	<100	20	N	30	N	150	N
[illegible]	N	15	N	500	150	N	30	N	200	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
HNB0168	31 4 46	111 18 30	3.0	.70	1.00	.50	2,000	N	N	N	70	1,500
HNB0171	31 4 50	111 18 37	5.0	.30	.70	.30	5,000	<.5	N	N	70	1,000
HNB0174	31 4 15	111 18 38	2.0	.50	1.00	.30	2,000	N	N	N	70	1,000
HNB0177	31 4 9	111 18 55	7.0	.70	1.00	.70	5,000	N	N	N	50	1,000
HNB0180	31 2 49	111 19 19	5.0	1.00	3.00	.70	1,500	N	N	N	50	1,000
HNB0183	31 2 31	111 19 40	3.0	.70	1.50	.30	1,500	N	N	N	20	1,500
HNB0186	31 2 19	111 19 50	5.0	.70	.70	.70	700	.5	N	N	30	1,500
HNB0189	31 9 57	111 8 50	2.0	.20	.15	.20	700	N	N	N	20	1,500
HNB0192	31 9 53	111 8 50	2.0	.30	.15	.50	700	N	N	N	20	1,000
HNB0195	31 10 2	111 9 9	1.0	.30	.50	.30	1,000	N	N	N	50	1,000
HNB0198	31 10 17	111 9 24	3.0	.50	.15	.50	1,000	N	N	N	50	1,500
HNB0201	31 10 21	111 9 35	3.0	.50	.20	.30	1,500	N	N	N	50	2,000
HNB0204	31 9 57	111 9 50	5.0	.30	.20	.50	1,500	N	N	N	100	1,500
HNB0207	31 9 53	111 9 43	2.0	.50	.70	.50	1,500	N	N	N	50	1,500
HNB0210	31 10 25	111 16 42	2.0	.30	.50	.30	500	N	N	N	100	1,500
HNB0216	31 10 41	111 15 57	10.0	.30	.20	1.00	1,500	N	N	N	200	1,000
HNB0222	31 10 48	111 15 26	1.5	.30	.15	.30	300	N	N	N	100	1,500
HNB0225	31 10 58	111 15 12	3.0	.20	.30	.30	200	N	N	N	30	1,500
HNB0228	31 12 12	111 14 28	5.0	.70	.70	.50	1,500	N	N	N	70	1,500
HNB0231	31 12 7	111 14 22	2.0	.70	.70	.50	700	N	N	N	100	1,500
HNB0234	31 11 33	111 14 2	2.0	.30	.20	.30	700	<.5	N	N	50	1,500
HNB0240	31 11 42	111 13 42	7.0	.70	.30	1.00	1,000	N	N	N	50	1,500
JGF0650	31 8 42	111 14 53	3.0	.30	.70	.30	5,000	2.0	N	N	10	1,500
JGF0653	31 6 28	111 16 44	2.0	.50	.70	.30	1,500	N	N	N	70	700
JGF0655	31 6 58	111 17 8	3.0	.70	2.00	.70	1,000	N	N	N	100	1,500
JGF0658	31 7 21	111 17 36	3.0	.50	1.50	.50	1,000	N	N	N	20	1,500
JGF0662	31 11 23	111 12 1	3.0	1.00	3.00	.30	1,000	N	N	N	50	1,000
JGF0666	31 11 16	111 11 56	3.0	.70	1.50	.50	1,500	N	N	N	50	700
JGF0669	31 9 38	111 12 24	5.0	.30	.20	.30	2,000	N	N	N	70	1,000
JGF0672	31 10 6	111 13 3	3.0	.30	.20	.50	2,000	N	N	N	200	1,500
JGF0675	31 11 59	111 12 47	5.0	.70	1.00	.50	2,000	.7	N	N	30	2,000
JGF0678	31 12 2	111 12 40	3.0	.30	.15	.50	1,000	N	N	N	100	1,000
JGF0681	31 11 26	111 12 47	2.0	.50	1.50	.50	1,000	N	N	N	30	1,500
JGF0684	31 8 59	111 16 1	5.0	.50	.70	.30	2,000	.7	N	N	1,000	1,500
JGF0689	31 9 0	111 16 18	3.0	.50	.70	.30	3,000	1.0	N	N	500	1,500
JGF0692	31 9 5	111 16 39	5.0	.70	1.50	.50	1,500	N	N	N	30	1,000
JGF0695	31 9 21	111 15 54	3.0	.50	.50	.30	500	N	N	N	70	1,500
JGF0698	31 9 17	111 15 56	2.0	.30	.30	.20	1,000	N	N	N	70	1,500
JGF0701	31 9 22	111 15 35	3.0	.30	.50	.30	200	N	N	N	30	1,000
JGF0705	31 9 43	111 15 14	2.0	.50	.50	.50	500	.5	N	N	100	1,500
JGF0708	31 9 56	111 15 3	2.0	.50	.30	.30	500	<.5	N	N	30	1,000
JGF0710	31 10 12	111 14 36	3.0	.70	.70	.30	1,500	.5	N	N	100	1,500
JGF0715	31 10 57	111 13 46	2.0	.50	.70	.30	700	N	N	N	50	1,500
JGF0718	31 10 56	111 13 53	2.0	.50	.50	.30	700	N	N	N	30	1,000
JGF0721	31 12 2	111 12 28	2.0	.70	.70	.30	2,000	<.5	N	N	50	1,500

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
HNB0163	2.0	N	N	5	50	7	70	N	N	20	100
HNB0171	3.0	N	N	<5	20	50	70	N	N	20	200
HNB0174	3.0	N	N	5	50	30	70	N	N	30	70
HNB0177	3.0	N	N	15	50	30	30	N	N	50	70
HNB0180	2.0	N	N	20	70	50	70	N	N	50	50
HNB0183	1.5	N	N	10	30	30	50	N	N	20	50
HNB0186	1.5	N	N	10	50	30	50	5	N	30	30
HNB0189	1.0	N	N	N	15	10	30	N	N	<5	30
HNB0192	1.0	N	N	N	50	20	50	N	N	<5	20
HNB0195	2.0	N	N	<5	10	30	20	N	N	<5	30
HNB0198	2.0	N	N	5	20	20	50	N	N	<5	30
HNB0201	2.0	N	N	<5	20	20	50	N	N	<5	30
HNB0204	2.0	N	N	<5	15	20	50	N	N	<5	30
HNB0207	1.5	N	N	5	30	20	70	N	N	10	30
HNB0210	1.0	N	N	<5	20	20	50	N	N	<5	70
HNB0216	1.0	N	<10	5	50	30	70	N	N	<5	50
HNB0222	N	<10	N	<5	10	5	30	N	N	<5	70
HNB0225	<1.0	N	N	<5	20	10	50	N	N	<5	30
HNB0228	2.0	N	N	10	30	50	50	N	N	10	30
HNB0231	3.0	N	N	<5	30	30	50	N	N	5	70
HNB0234	2.0	N	N	5	20	30	70	N	N	7	50
HNB0240	2.0	N	N	5	30	20	50	N	N	7	50
JGF0650	2.0	N	N	5	<10	50	50	5	N	N	1,000
JGF0653	1.5	N	N	5	10	30	50	N	N	30	70
JGF0656	<1.0	N	N	10	70	100	50	N	N	70	20
JGF0658	1.0	N	N	15	30	50	50	<5	N	50	30
JGF0662	1.5	N	N	5	<10	15	50	<5	N	15	50
JGF0666	1.0	N	N	10	10	30	50	<5	N	10	70
JGF0669	2.0	N	N	5	N	30	70	N	N	10	100
JGF0672	1.5	N	N	<5	<10	30	50	5	N	N	100
JGF0675	1.0	N	N	7	<10	50	70	N	N	7	150
JGF0678	<1.0	N	N	5	<10	20	70	N	N	N	50
JGF0681	1.0	N	N	15	<10	30	50	N	N	15	50
JGF0684	5.0	N	N	15	50	70	70	10	N	20	70
JGF0629	3.0	N	N	10	50	50	50	<5	N	20	50
JGF0692	2.0	N	N	10	100	30	70	N	N	50	100
JGF0695	3.0	N	N	<5	20	30	70	N	N	7	100
JGF0698	<1.0	N	N	N	30	15	70	N	N	<5	50
JGF0701	2.0	N	N	N	50	10	70	N	N	<5	30
JGF0705	2.0	N	N	7	50	30	50	N	N	30	50
JGF0708	<1.0	N	N	5	50	15	70	N	N	10	30
JGF0710	3.0	N	N	10	50	30	70	N	N	30	50
JGF0715	2.0	N	N	<5	50	30	100	N	N	20	70
JGF0718	2.0	N	N	5	30	15	50	N	N	7	50
JGF0721	3.0	N	N	15	30	30	70	10	N	20	100

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
HNB0168	N	7	N	100	30	N	20	N	150	N
HNB0171	N	7	N	100	50	N	50	500	150	N
HNB0174	N	7	N	100	50	N	50	N	100	N
HNB0177	N	10	N	200	70	N	30	500	150	N
HNB0180	N	7	N	200	30	N	20	N	200	N
HNB0183	N	5	N	100	50	N	15	N	150	N
HNB0186	N	7	N	100	50	N	20	N	100	N
HNB0189	N	5	N	<100	30	N	15	N	150	N
HNB0192	N	5	N	<100	50	N	20	N	200	N
HNB0195	N	5	N	N	30	N	20	N	150	N
HNB0198	N	5	N	<100	30	N	20	N	150	N
HNB0201	N	7	N	100	30	N	30	N	150	N
HNB0204	N	5	N	<100	20	N	20	N	150	N
HNB0207	N	7	N	<100	50	N	20	<200	150	N
HNB0210	N	5	N	<100	50	N	20	N	150	N
HNB0216	N	7	N	200	100	N	50	N	200	N
HNB0222	N	5	N	<100	50	N	15	N	150	N
HNB0225	N	5	N	N	30	N	20	N	150	N
HNB0228	N	7	N	200	30	N	20	N	150	N
HNB0231	N	7	N	200	70	N	20	N	150	N
HNB0234	N	5	N	<100	20	N	20	N	150	N
HNB0240	N	10	N	<100	50	N	30	N	200	N
JGF0650	N	7	N	<100	20	N	30	700	200	N
JGF0653	N	7	N	100	50	N	20	N	150	N
JGF0655	N	15	N	<100	70	N	20	N	200	N
JGF0658	N	7	N	200	50	N	20	N	150	N
JGF0662	N	10	N	150	70	N	20	N	100	N
JGF0666	N	7	N	100	70	N	20	N	150	N
JGF0669	N	7	N	100	50	N	30	N	150	N
JGF0672	N	7	N	<100	10	N	20	<200	300	N
JGF0675	N	10	N	100	30	N	20	N	150	N
JGF0678	N	10	N	<100	20	N	20	N	150	N
JGF0681	N	10	N	<100	70	N	20	N	150	N
JGF0684	N	10	N	100	70	N	30	N	150	N
JGF0689	N	10	N	150	50	N	30	N	150	N
JGF0692	N	7	N	200	70	N	20	N	150	N
JGF0695	N	7	N	100	50	N	30	N	150	N
JGF0698	N	<5	N	N	20	N	10	N	150	N
JGF0701	N	5	N	<100	50	N	15	N	150	N
JGF0705	N	10	N	150	70	N	20	N	150	N
JGF0708	N	<5	N	<100	50	N	15	N	150	N
JGF0710	N	7	N	100	70	N	20	<200	200	N
JGF0715	N	7	N	100	70	N	30	N	200	N
JGF0718	N	7	N	<100	70	N	15	N	150	N
JGF0721	N	7	N	<100	30	N	30	<200	150	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF0724	31 12 6	111 12 25	3.0	.50	.70	.50	1,500	.5	N	N	30	1,500
JGF0727	31 12 17	111 12 27	3.0	.50	.05	.30	1,500	<.5	N	N	50	1,500
JGF0730	31 12 21	111 12 30	3.0	.70	1.00	.30	2,000	.5	N	N	100	1,500
JGF0733	31 9 34	111 12 19	5.0	.50	.70	.30	1,000	<.5	N	N	70	1,500
JGF0735	31 9 31	111 12 22	5.0	.30	.30	.30	1,500	<.5	N	N	150	1,500
JGF0738	31 10 7	111 13 57	3.0	.20	.10	.20	5,000	.5	N	N	150	1,500
JGF0741	31 10 2	111 14 13	2.0	.30	.10	.20	5,000	1.5	N	N	50	1,500
JGF0744	31 9 40	111 15 47	2.0	.30	.30	.20	1,000	.5	N	N	20	1,500
JGF0747	31 8 44	111 15 45	2.0	.50	.30	.30	2,000	1.0	N	N	20	1,500
JGF0750	31 8 58	111 15 39	3.0	.70	.50	.50	2,000	1.5	N	N	200	2,000
JGF0753	31 9 7	111 15 23	3.0	.30	.20	.30	3,000	.7	N	N	20	1,500
JGF0756	31 9 28	111 15 5	2.0	.30	.15	.20	2,000	<.5	N	N	<10	1,500
JGF0759	31 9 39	111 14 48	2.0	.30	.20	.30	3,000	.5	N	N	30	1,500
JGF0762	31 9 46	111 14 33	5.0	.30	<.05	.50	3,000	N	N	N	20	1,500
JGF0765	31 8 47	111 10 12	3.0	.30	.20	.30	700	.5	N	N	500	1,500
JGF0768	31 8 54	111 10 38	2.0	.30	.15	.30	500	.5	N	N	200	1,500
JGF0771	31 8 58	111 10 58	3.0	.30	.10	.20	300	N	N	N	300	1,500
JGF0773	31 9 5	111 11 9	2.0	.20	.10	.20	200	N	N	N	150	1,500
JGF0775	31 9 17	111 11 27	2.0	.50	.30	.30	700	N	N	N	50	1,500
JGF0777	31 3 49	111 15 14	3.0	.50	1.00	.70	300	1.0	N	N	20	2,000
JGF0780	31 3 56	111 15 9	7.0	1.00	1.50	.70	2,000	N	N	N	150	1,500
JGF0784	31 7 57	111 13 46	5.0	.70	.30	.50	2,000	.5	N	N	150	1,500
JGF0787	31 7 26	111 13 46	1.5	.30	.70	.20	500	N	N	N	200	1,500
JGF0790	31 7 19	111 14 7	2.0	.70	.70	.30	2,000	.7	N	N	20	1,500
JGF0794	31 6 54	111 14 14	2.0	.50	.50	.30	2,000	.7	N	N	<10	1,500
JGF0797	31 6 49	111 14 21	2.0	.70	1.50	.50	500	N	N	N	20	1,500
JGF0800	31 6 47	111 14 41	3.0	.30	.30	.30	2,000	N	N	N	10	1,000
JGF0803	31 6 57	111 14 37	2.0	.30	.70	.20	1,500	N	N	N	30	1,500
JGF0806	31 6 36	111 14 58	2.0	.70	.70	.30	1,500	N	N	N	<10	1,500
JGF0809	31 6 32	111 14 57	3.0	.50	.70	.50	3,000	N	N	N	50	1,500
JGF0812	31 6 12	111 14 43	3.0	.50	.70	.30	3,000	<.5	N	N	<10	1,000
JGF0818	31 6 4	111 14 18	2.0	.30	.70	.50	1,000	N	N	N	100	1,500
JGF0822	31 6 3	111 13 39	2.0	.30	.70	.30	700	N	N	N	30	1,500
JGF0825	31 5 58	111 13 15	2.0	.50	1.50	.30	1,000	N	N	N	50	1,500
JGF0828	31 5 52	111 12 54	3.0	.30	.70	.50	1,000	N	N	N	200	1,500
JGF0831	31 6 1	111 12 26	5.0	.30	.20	.50	2,000	N	N	N	70	2,000
JGF0834	31 6 2	111 11 49	2.0	.30	.15	.50	1,000	N	N	N	20	1,500
JGF0840	31 5 26	111 13 50	2.0	.30	.50	.30	300	N	N	N	20	1,500
JGF0843	31 3 58	111 18 12	1.5	.20	.70	.15	1,500	N	N	N	N	1,500
JGF0846	31 4 26	111 18 3	1.5	.10	.50	.10	2,000	N	N	N	N	1,500
JGF0849	31 4 41	111 17 58	1.5	.30	.50	.15	2,000	<.5	N	N	20	1,500
JGF0852	31 4 44	111 17 42	3.0	.30	.70	.30	500	.7	N	N	20	1,500
JGF0856	31 3 43	111 16 42	10.0	5.00	3.00	1.00	2,000	N	N	N	100	1,500
JGF0859	31 3 17	111 17 7	10.0	2.00	3.00	1.00	2,000	N	N	N	100	1,000
JGF0862	31 3 36	111 16 23	5.0	1.50	1.00	.50	2,000	.7	N	N	300	1,500

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
JGF0724	2.0	N	N	5	10	30	70	5	N	7	150
JGF0727	3.0	N	N	7	20	20	50	<5	N	<5	100
JGF0730	2.0	N	N	15	50	30	100	5	N	10	70
JGF0733	3.0	N	N	5	50	30	100	N	N	5	100
JGF0735	2.0	N	N	5	20	30	50	N	N	<5	100
JGF0738	3.0	N	N	N	N	50	70	15	N	N	1,500
JGF0741	5.0	N	N	<5	<10	50	50	15	N	<5	1,000
JGF0744	2.0	N	N	N	<10	10	70	5	N	<5	70
JGF0747	5.0	N	N	5	30	30	70	5	N	7	150
JGF0750	5.0	N	N	15	20	30	70	5	N	N	200
JGF0753	5.0	N	N	7	N	30	70	15	N	N	200
JGF0756	3.0	N	N	<5	<10	10	70	7	N	<5	200
JGF0759	3.0	N	N	5	50	30	70	15	N	<5	1,500
JGF0762	5.0	N	N	5	<10	50	70	100	N	<5	2,000
JGF0765	3.0	N	N	5	<10	30	50	N	N	N	100
JGF0768	2.0	N	N	<5	20	20	50	N	N	7	70
JGF0771	2.0	N	N	N	20	20	70	N	N	<5	50
JGF0773	1.0	N	N	N	10	15	50	N	N	N	20
JGF0775	3.0	N	N	5	30	20	N	N	N	15	70
JGF0777	1.5	N	N	5	<10	1,000	50	20	N	N	30
JGF0780	2.0	N	N	10	10	100	30	<5	N	20	70
JGF0784	2.0	N	N	7	15	20	70	<5	N	5	200
JGF0787	2.0	N	N	5	<10	10	50	N	N	N	200
JGF0790	1.5	N	N	10	<10	30	100	<5	N	N	500
JGF0794	1.5	N	N	10	<10	50	50	<5	N	N	200
JGF0797	1.0	N	N	10	20	20	50	<5	N	15	100
JGF0800	1.5	N	N	N	<10	30	70	N	N	N	200
JGF0803	2.0	N	N	N	<10	20	70	N	N	N	100
JGF0806	<1.0	N	N	20	<10	50	100	<5	N	<5	500
JGF0809	2.0	N	N	N	<10	50	70	N	N	N	500
JGF0812	1.5	N	N	N	<10	30	70	N	N	N	150
JGF0813	1.5	N	N	N	20	30	70	N	N	N	70
JGF0822	2.0	N	N	5	15	20	50	N	N	10	30
JGF0825	1.5	N	N	15	10	20	50	N	N	15	50
JGF0828	1.0	N	N	N	20	30	70	N	N	<5	100
JGF0831	2.0	N	N	N	50	50	50	N	N	<5	500
JGF0834	1.5	N	N	N	<10	15	70	N	N	<5	100
JGF0840	1.5	N	N	N	<10	10	50	N	N	N	50
JGF0843	2.0	N	N	N	<10	10	<20	N	N	N	150
JGF0846	3.0	N	N	N	15	15	50	N	N	10	100
JGF0849	3.0	N	N	N	10	20	50	N	N	N	100
JGF0852	2.0	N	N	<5	30	30	70	<5	N	20	300
JGF0856	3.0	N	N	30	200	70	150	N	20	150	20
JGF0859	2.0	N	N	10	150	50	50	N	N	70	70
JGF0862	3.0	N	N	7	30	50	50	<5	N	20	100

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF0724	N	5	N	<100	50	N	20	<200	150	N
JGF0727	N	5	N	<100	30	N	20	<200	150	N
JGF0730	N	7	N	<100	50	N	20	N	100	N
JGF0733	N	5	N	<100	30	N	20	N	200	N
JGF0735	N	7	N	100	30	N	30	N	150	N
JGF0738	N	<5	N	<100	30	N	20	500	150	N
JGF0741	N	7	N	100	20	N	30	700	150	N
JGF0744	N	5	N	N	30	N	20	N	100	N
JGF0747	N	5	N	<100	50	N	20	500	150	N
JGF0750	N	15	N	150	70	N	30	700	300	N
JGF0753	N	5	N	<100	30	N	20	700	150	N
JGF0756	N	5	N	<100	30	N	20	<200	150	N
JGF0759	N	5	N	<100	20	N	20	500	150	N
JGF0762	N	7	N	<100	30	N	30	300	200	N
JGF0765	N	7	N	<100	30	N	30	N	200	N
JGF0763	N	5	N	N	30	N	20	N	150	N
JGF0771	N	<5	N	N	30	N	20	N	150	N
JGF0773	N	<5	N	<100	20	N	20	N	100	N
JGF0775	N	5	N	N	50	N	20	N	150	N
JGF0777	N	7	N	500	50	N	20	N	150	N
JGF0780	N	15	N	300	100	N	20	N	150	N
JGF0784	N	5	N	200	30	N	30	N	200	N
JGF0787	N	7	N	<100	20	N	20	N	150	N
JGF0790	N	10	N	200	30	N	30	700	150	N
JGF0794	N	5	N	<100	50	N	20	700	150	N
JGF0797	N	10	N	<100	20	N	30	N	150	N
JGF0800	N	7	N	<100	50	N	30	N	200	N
JGF0803	N	7	N	<100	30	N	30	<200	150	N
JGF0806	N	10	N	<100	30	N	30	300	150	N
JGF0809	N	7	N	150	50	N	30	300	150	N
JGF0812	N	10	N	100	30	N	30	200	200	N
JGF0818	N	7	N	100	50	N	20	N	150	N
JGF0822	N	7	N	N	50	N	15	N	100	N
JGF0825	N	10	N	<100	30	N	20	N	100	N
JGF0828	N	5	N	<100	50	N	30	N	150	N
JGF0831	N	5	N	<100	50	N	30	N	150	N
JGF0834	N	5	N	100	30	N	20	N	100	N
JGF0840	N	7	N	<100	20	N	20	N	150	N
JGF0843	N	7	N	<100	20	N	50	N	100	N
JGF0846	N	<5	N	N	30	N	20	N	700	N
JGF0849	N	5	N	N	20	N	30	<200	100	N
JGF0852	N	7	N	<100	30	N	30	200	200	N
[illegible]	N	15	N	700	150	N	50	N	150	N
[illegible]	N	10	N	300	100	N	30	N	150	N
[illegible]	N	7	N	200	70	N	30	N	150	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF0866	31 9 5	111 16 34	5.0	1.00	1.00	.50	1,500	.5	N	N	50	1,500
JGF0869	31 9 16	111 16 47	7.0	3.00	7.00	1.00	2,000	N	N	N	30	700
JGF0872	31 9 18	111 16 45	3.0	.70	1.00	.50	1,000	N	N	N	100	1,500
JGF0875	31 9 22	111 15 35	5.0	.70	.70	.70	1,500	.7	N	N	50	1,500
JGF0878	31 9 20	111 15 41	5.0	.50	.20	.70	1,500	N	N	N	30	1,500
JGF0881	31 10 32	111 14 4	5.0	1.00	1.50	.70	2,000	N	N	N	100	1,500
JGF0884	31 12 56	111 13 26	5.0	1.50	.70	.70	700	.7	N	N	100	1,500
JGF0887	31 13 39	111 11 25	5.0	1.00	.70	.70	1,500	5.0	N	N	30	1,500
JGF0891	31 7 51	111 17 16	7.0	1.50	3.00	1.00	2,000	N	N	N	70	3,000
JGF0895	31 7 49	111 17 6	5.0	3.00	3.00	1.00	2,000	N	N	N	70	1,500
JGF0898	31 7 32	111 16 54	10.0	5.00	5.00	.70	2,000	N	N	N	50	1,000
JGF0902	31 7 41	111 16 32	7.0	3.00	5.00	1.00	2,000	N	N	N	100	1,000
JGF0905	31 7 26	111 15 52	3.0	1.50	2.00	.50	2,000	N	N	N	50	1,000
JGF0951	31 4 16	111 13 16	2.0	.50	.50	.30	1,500	<.5	N	N	50	1,000
JGF0953	31 4 9	111 13 16	1.5	.20	.50	.20	1,000	N	N	N	30	1,000
JGF0955	31 4 36	111 11 55	2.0	.10	.10	.20	150	<.5	N	N	200	1,500
JGF0957	31 4 33	111 11 52	1.5	.30	.15	.30	700	.5	N	N	50	1,000
JGF0959	31 4 39	111 12 6	1.5	.30	.15	.20	300	N	N	N	150	1,000
JGF0961	31 4 34	111 12 26	1.5	.15	.30	.20	1,000	<.5	N	N	70	1,000
JGF0963	31 4 48	111 12 31	1.0	.20	.30	.20	700	<.5	N	N	70	1,000
JGF0965	31 5 6	111 12 13	1.0	.15	.10	.15	700	<.5	N	N	150	1,000
JGF0967	31 3 36	111 11 17	1.5	.20	.30	.20	700	<.5	N	N	70	1,000
JGF0969	31 3 43	111 11 19	3.0	.30	.50	.20	500	<.5	N	N	20	700
JGF0971	31 4 9	111 11 24	1.5	.70	.50	.30	500	<.5	N	N	100	1,000
JGF0973	31 4 24	111 11 6	2.0	.30	.20	.20	700	<.5	N	N	100	1,000
JGF0975	31 4 18	111 11 11	2.0	.70	.20	.30	500	<.5	N	N	100	1,500
JGF0977	31 4 1	111 10 21	2.0	.50	.15	.15	1,000	<.5	N	N	1,500	1,000
JGF0979	31 3 56	111 10 27	2.0	.70	.50	.20	700	<.5	N	N	100	1,000
JGF0981	31 3 40	111 12 3	3.0	.30	.30	.15	700	<.5	N	N	70	700
JGF0983	31 3 40	111 12 0	3.0	.20	.15	.30	700	<.5	N	N	50	1,000
JGF0985	31 3 25	111 12 4	3.0	.70	.50	.30	2,000	<.5	N	N	50	1,000
JGF0987	31 3 10	111 12 1	5.0	.30	.30	.30	2,000	<.5	N	N	30	1,000
JGF0939	31 3 2	111 12 17	3.0	.50	1.00	.70	2,000	<.5	N	N	70	1,000
JGF0991	31 3 8	111 12 31	1.5	.30	.50	.50	1,500	<.5	N	N	70	1,000
JGF0993	31 3 5	111 12 32	2.0	.20	.50	.30	2,000	<.5	N	N	20	1,000
JGF0995	31 3 16	111 12 40	2.0	.20	.30	.30	1,000	<.5	N	N	20	1,000
JGF0997	31 3 16	111 12 34	>20.0	.50	.70	.70	3,000	<.5	N	N	30	1,500
JGF0999	31 2 46	111 11 31	3.0	.50	.15	.30	1,500	<.5	N	N	20	1,000
JGF1001	31 2 48	111 11 36	7.0	.30	.20	.30	3,000	.5	N	N	20	1,500
JGF1003	31 2 37	111 11 45	7.0	.50	.50	.30	3,000	1.0	N	N	20	1,500
JGF1005	31 2 26	111 11 55	10.0	1.00	1.00	.50	3,000	<.5	N	N	10	2,000
JGF1007	31 2 19	111 11 24	10.0	.70	.50	.30	2,000	.5	N	N	15	1,500
JGF1009	31 5 44	111 6 53	>20.0	.50	.30	.50	>5,000	.5	N	N	30	1,500
JGF1013	31 1 15	111 12 12	3.0	.50	.50	.30	2,000	<.5	N	N	<10	1,500
JGF1015	31 1 1	111 11 5	5.0	.50	2.00	.30	200	.5	N	N	100	1,500

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
JGF0856	3.0	N	N	7	70	30	50	N	N	7	70
JGF0867	2.0	N	N	50	200	70	50	N	20	2,000	50
JGF0872	3.0	N	N	<5	50	30	50	N	N	5	150
JGF0875	2.0	N	N	5	50	50	70	N	N	<5	70
JGF0877	2.0	N	N	<5	10	20	70	5	N	<5	150
JGF0881	2.0	N	N	10	50	50	70	N	N	10	30
JGF0884	2.0	N	N	5	30	30	50	N	N	30	150
JGF0887	2.0	N	N	7	30	70	50	<5	N	7	1,500
JGF0891	5.0	N	N	15	100	50	50	5	N	70	70
JGF0895	1.5	N	N	15	70	100	30	<5	N	50	30
JGF0898	2.0	N	N	30	1,000	70	30	N	N	1,000	50
JGF0902	2.0	N	N	10	150	70	70	N	N	50	100
JGF0905	2.0	N	N	20	70	50	70	5	N	50	500
JGF0951	1.5	N	N	10	<10	30	20	7	N	15	300
JGF0953	1.0	N	N	5	<10	10	20	<5	N	<5	100
JGF0955	1.0	N	N	<5	<10	5	70	<5	N	<5	50
JGF0957	1.0	N	N	7	<10	15	70	7	N	20	150
JGF0959	1.0	N	N	5	<10	5	70	<5	N	<5	70
JGF0961	1.0	N	N	5	<10	5	50	5	N	<5	100
JGF0963	1.0	N	N	5	<10	5	20	N	N	<5	30
JGF0965	<1.0	N	N	<5	<10	10	20	<5	N	<5	70
JGF0967	<1.0	N	N	<5	<10	<5	50	<5	N	<5	50
JGF0969	1.5	N	N	5	15	5	20	N	N	30	30
JGF0971	1.0	N	N	7	<10	15	50	<5	N	<5	30
JGF0973	1.5	N	N	<5	<10	7	50	<5	N	<5	50
JGF0975	1.0	N	N	5	<10	7	50	<5	N	<5	70
JGF0977	1.0	N	N	5	<10	15	50	<5	N	<5	50
JGF0979	<1.0	N	N	5	<10	10	30	<5	N	5	20
JGF0981	<1.0	N	N	<5	<10	<5	50	5	N	<5	150
JGF0983	<1.0	N	N	5	<10	7	20	<5	N	<5	300
JGF0985	1.5	N	N	15	20	30	100	15	N	20	700
JGF0987	1.5	N	N	10	10	20	50	<5	N	5	300
JGF0989	1.5	N	N	10	10	7	150	N	20	<5	300
JGF0991	<1.0	N	N	5	<10	<5	100	N	N	<5	200
JGF0993	<1.0	N	N	<5	<10	<5	100	<5	N	<5	70
JGF0995	<1.0	N	N	<5	<10	<5	100	<5	<20	<5	30
JGF0997	1.5	<10	N	15	150	15	70	7	30	10	100
JGF0999	1.5	N	N	<5	20	30	70	70	<20	<5	1,500
JGF1001	1.5	N	N	7	20	20	70	5	<20	<5	1,000
JGF1003	2.0	N	N	10	30	50	100	5	<20	5	1,000
JGF1005	1.5	N	N	15	50	10	200	<5	<20	7	70
JGF1007	2.0	N	N	10	10	20	150	<5	<20	5	2,000
JGF1009	1.5	N	N	15	50	30	70	200	20	5	5,000
JGF1013	2.0	N	N	7	<10	15	100	<5	<20	<5	150
JGF1015	3.0	<10	N	10	20	50	100	<5	<20	<5	150

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF0866	N	10	N	150	50	N	30	<200	150	N
JGF0869	N	15	N	700	150	N	30	N	150	N
JGF0872	N	7	N	150	70	N	20	N	150	N
JGF0875	N	10	N	150	50	N	30	N	200	N
JGF0878	N	10	N	100	20	N	50	<200	150	N
JGF0881	N	7	N	200	30	N	30	N	150	N
JGF0884	N	15	N	150	100	N	20	N	200	N
JGF0887	N	15	N	<100	50	N	30	200	150	N
JGF0891	N	10	N	500	100	N	30	N	150	N
JGF0895	N	15	N	300	150	N	30	<200	150	N
JGF0898	N	15	N	300	30	N	20	N	150	N
JGF0902	N	15	N	300	150	N	30	N	200	N
JGF0905	N	10	N	300	50	N	30	300	100	N
JGF0951	N	7	N	200	100	100	70	<200	200	N
JGF0953	N	5	N	150	50	N	50	N	150	N
JGF0955	N	<5	N	100	15	N	30	N	70	N
JGF0957	N	5	N	200	50	N	70	N	300	N
JGF0959	N	5	N	150	30	N	50	N	70	N
JGF0961	N	5	N	100	30	N	50	N	100	N
JGF0963	N	5	N	100	70	N	30	N	100	N
JGF0965	N	5	N	100	15	N	30	N	100	N
JGF0967	N	<5	N	150	20	N	30	N	70	N
JGF0969	N	5	N	N	15	N	50	N	200	N
JGF0971	N	5	N	200	30	N	50	N	100	N
JGF0973	N	7	N	150	30	N	50	N	100	N
JGF0975	N	5	N	150	50	N	50	N	150	N
JGF0977	N	7	N	<100	20	N	50	N	100	N
JGF0979	N	<5	N	300	50	N	50	N	150	N
JGF0981	N	<5	N	<100	50	N	30	N	70	N
JGF0983	N	7	N	<100	50	N	50	N	200	N
JGF0985	N	5	N	200	100	N	100	N	200	N
JGF0987	N	7	N	100	70	N	100	300	200	N
JGF0989	N	5	N	200	100	N	100	N	200	N
JGF0991	N	5	N	150	100	N	70	N	500	N
JGF0993	N	5	N	200	50	N	70	N	150	N
JGF0995	N	5	N	150	50	N	70	N	150	N
JGF0997	N	7	20	300	100	<50	70	300	400	N
JGF0999	N	7	<10	150	30	<50	50	<200	70	N
JGF1001	N	7	10	150	70	<50	50	300	100	N
JGF1003	N	7	<10	300	70	<50	70	300	300	N
JGF1005	N	10	<10	700	70	N	100	200	300	N
JGF1007	N	5	<10	200	70	50	70	200	300	N
JGF1009	N	5	10	150	100	<50	100	300	200	N
JGF1013	N	7	<10	300	70	N	50	<200	300	N
JGF1015	N	7	<10	1,000	70	N	70	<200	200	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF1017	31 0 57	111 11 11	5.0	1.00	3.00	.30	2,000	.5	N	N	30	1,500
JGF1019	31 4 51	111 7 42	2.0	.50	.10	.20	3,000	<.5	N	N	50	1,500
JGF1021	31 4 51	111 7 53	1.5	.50	.15	.20	3,000	<.5	N	N	70	1,500
JGF1023	31 4 58	111 7 41	2.0	.70	.15	.20	5,000	<.5	N	N	1,000	1,500
JGF1025	31 5 5	111 7 56	2.0	.50	.10	.10	2,000	<.5	N	N	700	1,500
JGF1027	31 5 21	111 8 13	7.0	1.00	.10	.30	2,000	<.5	N	N	700	1,500
JGF1029	31 3 51	111 9 55	5.0	.70	.10	.50	200	N	N	N	70	1,500
JGF1031	31 5 28	111 8 28	7.0	1.00	.10	.30	2,000	<.5	N	N	300	1,500
JGF1033	31 5 14	111 8 41	5.0	.70	.07	.15	2,000	<.5	N	N	150	1,500
JGF1035	31 5 21	111 8 51	5.0	1.00	.05	.30	2,000	<.5	N	N	300	1,000
JGF1037	31 5 20	111 9 5	7.0	1.00	.07	.30	2,000	<.5	N	N	200	1,000
JGF1039	31 5 13	111 9 11	7.0	1.50	.10	.20	3,000	<.5	N	N	500	1,500
JGF1041	31 5 10	111 9 28	10.0	1.50	.07	.30	3,000	.5	N	N	700	1,000
JGF1043	31 5 16	111 9 34	1.5	.20	.10	.20	>5,000	<.5	N	N	200	1,500
JGF1045	31 5 17	111 9 45	5.0	.50	.07	.20	1,500	<.5	N	N	300	1,500
JGF1047	31 5 6	111 10 11	3.0	.70	.15	.30	5,000	.7	N	N	1,500	1,500
JGF1049	31 4 47	111 10 32	1.5	.50	.05	.30	3,000	.7	N	N	100	1,500
JGF1051	31 3 25	111 10 38	3.0	.30	.30	.50	1,500	.5	N	N	200	1,000
JGF1053	31 3 11	111 10 58	1.0	.50	.50	.30	1,000	<.5	N	N	70	1,500
JGF1055	31 3 19	111 10 58	1.5	.50	.70	.30	2,000	<.5	N	N	100	1,000
JGF1057	31 3 3	111 10 11	1.0	.30	.20	.20	2,000	.5	N	N	100	1,000
JGF1059	31 2 33	111 10 4	1.0	.30	.10	.20	1,000	.7	N	N	200	1,000
JGF1061	31 2 44	111 10 32	1.0	.50	.30	.20	1,500	<.5	N	N	100	1,500
JGF1063	31 2 44	111 10 39	1.5	.70	.50	.30	1,000	<.5	N	N	100	1,500
JGF1065	31 2 41	111 10 42	1.5	.70	.50	.30	1,500	<.5	N	N	100	1,000
JGF1067	31 4 13	111 9 50	1.5	.70	.30	.30	2,000	1.0	N	N	1,000	1,000
JGF1069	31 4 12	111 9 37	1.0	.50	.15	.20	1,000	<.5	N	N	70	700
JGF1071	31 4 18	111 9 41	1.0	.50	.10	.20	700	.5	N	N	300	700
JGF1073	31 3 49	111 10 5	1.0	.30	.10	.20	700	<.5	N	N	200	700
JGF1075	31 3 31	111 9 36	1.5	.50	.07	.30	1,500	.7	N	N	200	700
JGF1077	31 3 34	111 9 43	1.5	.20	.07	.20	700	.5	N	N	70	1,000
JGF1079	31 3 40	111 9 12	1.0	.20	.07	.30	500	N	N	N	50	700
JGF1081	31 3 30	111 8 59	1.5	.50	.10	.10	700	N	N	N	50	700
JGF1083	31 3 20	111 8 45	.7	.10	.07	.50	500	N	N	N	70	700
JGF1085	31 2 58	111 8 26	1.5	.15	.07	.20	2,000	N	N	N	50	700
JGF1087	31 3 10	111 7 56	1.0	.20	.07	.10	700	N	N	N	30	500
JGF1089	31 3 14	111 7 58	1.5	.50	.15	.50	1,500	<.5	N	N	150	700
JGF1091	31 3 12	111 8 5	1.5	1.00	.30	.30	300	<.5	N	N	50	700
JGF1093	31 2 33	111 8 3	1.5	.70	.15	.15	700	.7	N	N	150	700
JGF1095	31 2 36	111 8 6	2.0	.50	.15	.30	1,000	<.5	N	N	150	700
JGF1097	31 2 38	111 8 12	1.5	.30	.10	.70	1,000	<.5	N	N	70	700
JGF1099	31 1 57	111 6 40	1.5	.70	.30	.50	1,000	<.5	N	N	150	700
JGF1101	31 2 1	111 6 31	7.0	1.00	.30	.50	1,500	<.5	N	N	100	700
JGF1103	31 2 15	111 6 49	1.5	.70	.30	.50	1,000	N	N	N	150	500
JGF1105	31 2 19	111 6 39	2.0	.70	.50	.50	1,000	N	N	N	100	700

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
JGF1017	2.0	N	N	15	30	30	70	<5	<20	7	100
JGF1019	1.5	N	N	10	<10	20	50	<5	<20	<5	150
JGF1021	1.5	N	N	10	<10	30	70	7	<20	<5	150
JGF1023	1.5	N	N	7	<10	30	70	7	<20	<5	300
JGF1025	1.5	N	N	<5	<10	10	70	5	<20	<5	200
JGF1027	2.0	<10	N	7	10	30	70	<5	<20	<5	300
JGF1029	1.5	<10	N	5	<10	20	100	5	<20	<5	200
JGF1031	1.5	<10	N	10	<10	50	100	<5	<20	5	200
JGF1033	1.0	<10	N	7	<10	20	70	<5	<20	N	150
JGF1035	1.0	<10	N	7	<10	10	70	<5	<20	<5	200
JGF1037	1.5	<10	N	10	10	10	50	5	<20	<5	300
JGF1039	2.0	<10	N	10	<10	50	100	5	<20	5	700
JGF1041	1.5	<10	N	7	10	20	50	5	<20	5	300
JGF1043	1.0	N	N	<5	<10	50	100	5	<20	<5	100
JGF1045	1.0	N	N	15	10	20	70	<5	20	<5	100
JGF1047	2.0	<10	N	7	10	30	70	<5	20	5	300
JGF1049	1.5	N	N	10	150	30	50	<5	<20	5	200
JGF1051	1.5	N	N	10	15	5	100	<5	30	10	70
JGF1053	1.5	N	N	10	20	7	100	N	<20	<5	70
JGF1055	1.0	N	N	5	10	7	70	N	<20	<5	70
JGF1057	1.5	<10	N	<5	<10	30	70	<5	<20	<5	100
JGF1059	1.5	N	N	<5	<10	30	50	<5	<20	<5	200
JGF1061	1.5	N	N	5	<10	20	70	<5	<20	<5	70
JGF1063	1.5	N	N	15	20	20	70	<5	20	<5	70
JGF1065	1.5	N	N	15	20	30	100	<5	<20	15	100
JGF1067	2.0	N	N	15	30	50	70	5	20	15	150
JGF1069	1.5	10	N	10	10	30	70	<5	<20	20	70
JGF1071	1.5	N	N	7	<10	30	70	<5	<20	<5	100
JGF1073	1.5	10	N	5	10	20	70	20	<20	<5	70
JGF1075	2.0	<10	N	15	10	2,000	70	10	30	<5	1,500
JGF1077	1.5	15	N	10	10	100	50	<5	20	5	200
JGF1079	2.0	15	N	7	<10	20	70	5	<20	<5	70
JGF1081	2.0	N	N	15	15	50	70	<5	<20	<5	70
JGF1083	1.5	<10	N	<5	<10	10	70	<5	<20	15	70
JGF1085	3.0	10	N	7	20	20	100	<5	<20	<5	70
JGF1087	2.0	<10	N	7	<10	15	70	<5	20	5	70
JGF1089	2.0	N	N	10	<10	30	150	5	<20	10	70
JGF1091	1.5	N	N	15	50	30	200	<5	<20	10	70
JGF1093	1.5	<10	N	7	15	30	100	5	<20	5	500
JGF1095	1.5	N	N	15	30	20	150	<5	<20	15	70
JGF1097	1.5	N	N	10	10	20	100	<5	<20	<5	70
JGF1099	1.5	N	N	15	30	50	70	5	20	7	100
JGF1101	2.0	<10	N	20	150	70	200	15	<20	7	10
JGF1103	2.0	N	N	10	10	30	100	<5	<20	5	70
JGF1105	1.5	N	N	15	30	30	100	<5	<20	5	70

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF1017	N	10	<10	1,500	100	N	50	<200	200	N
JGF1019	N	5	<10	150	20	<50	50	<200	300	N
JGF1021	N	5	<10	500	20	<50	50	200	200	N
JGF1023	N	5	<10	300	30	<50	30	<200	200	N
JGF1025	N	5	<10	150	20	<50	30	<200	150	N
JGF1027	N	7	10	200	50	N	70	<200	300	N
JGF1029	N	5	<10	150	50	<50	50	<200	150	N
JGF1031	N	5	<10	300	50	<50	50	200	200	N
JGF1033	N	7	<10	100	15	N	50	<200	200	N
JGF1035	N	5	<10	200	50	N	70	<200	100	N
JGF1037	N	5	<10	150	50	N	70	200	150	N
JGF1039	N	5	<10	150	30	N	50	200	100	N
JGF1041	N	5	<10	100	30	N	50	200	150	N
JGF1043	N	5	N	<100	20	N	50	N	300	N
JGF1045	N	7	<10	100	50	N	50	N	200	N
JGF1047	N	7	<10	150	30	<50	70	N	300	N
JGF1049	N	7	N	200	50	<50	100	N	200	N
JGF1051	N	7	<10	200	50	<50	100	N	300	N
JGF1053	N	7	<10	300	50	<50	100	N	300	N
JGF1055	N	7	<10	200	50	N	70	300	200	N
JGF1057	N	5	<10	150	30	<50	50	N	70	N
JGF1059	N	5	N	<100	20	N	50	N	100	N
JGF1061	N	5	N	100	30	N	70	<200	100	N
JGF1063	N	7	<10	300	50	<50	70	N	150	N
JGF1065	N	7	<10	200	70	<50	70	N	100	N
JGF1067	N	7	<10	200	50	<50	70	N	100	N
JGF1069	N	7	N	150	50	<50	50	N	70	N
JGF1071	N	5	<10	150	50	<50	70	N	70	N
JGF1073	N	5	N	100	30	<50	50	N	100	N
JGF1075	N	5	15	150	70	<50	70	N	300	N
JGF1077	N	<5	<10	100	30	<50	50	N	500	N
JGF1079	N	7	N	150	20	<50	70	N	100	N
JGF1081	N	7	<10	150	70	<50	70	N	100	N
JGF1083	N	<5	N	<100	15	<50	50	N	300	N
JGF1085	N	5	<10	100	70	<50	70	N	500	N
JGF1087	N	5	<10	150	50	<50	70	N	200	N
JGF1089	N	7	<10	100	50	N	100	N	700	N
JGF1091	N	7	<10	150	70	N	100	N	300	N
JGF1093	N	7	<10	150	50	N	70	N	300	N
JGF1095	N	7	10	150	70	N	100	N	500	N
JGF1097	N	5	<10	100	50	N	70	N	70	N
JGF1099	N	7	<10	200	70	<50	100	<200	300	N
JGF1101	N	7	20	200	150	N	150	N	700	N
JGF1103	N	7	<10	300	50	N	70	N	300	N
JGF1105	N	7	10	300	70	N	150	N	300	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF1107	31 2 13	111 7 16	2.0	.70	.30	.50	2,000	<.5	N	N	150	700
JGF1109	31 1 48	111 7 22	1.5	.50	.20	.30	1,500	N	N	N	150	700
JGF1111	31 3 30	111 10 5	1.5	.50	.20	.30	1,000	.5	N	N	200	700
JGF1113	31 2 57	111 9 46	1.5	.50	.15	.30	1,000	.7	N	N	150	1,000
JGF1115	31 3 11	111 9 29	1.5	.50	.20	.20	1,500	1.0	N	N	150	700
JGF1117	31 2 50	111 8 58	1.5	.30	.10	.30	2,000	<.5	N	N	150	700
JGF1119	31 2 54	111 9 3	1.5	.20	.07	.20	700	<.5	<200	N	100	700
JGF1121	31 2 54	111 9 12	1.5	.50	.07	.20	1,500	<.5	N	N	200	1,000
JGF1123	31 1 47	111 10 8	7.0	.70	.30	.20	>5,000	1.0	N	N	1,500	700
JGF1125	31 1 45	111 10 12	3.0	.70	.50	.20	5,000	.7	N	N	500	700
JGF1127	31 1 25	111 10 29	7.0	1.00	2.00	.50	1,500	<.5	N	N	70	1,000
JGF1129	31 1 17	111 10 25	3.0	1.50	1.50	.50	1,500	<.5	N	N	100	1,000
JGF1131	31 2 26	111 13 15	10.0	.70	.30	1.00	>5,000	1.5	N	N	15	1,000
JGF1133	31 2 22	111 13 14	2.0	.70	.50	.50	5,000	.5	N	N	<10	700
JGF1135	31 2 11	111 13 6	1.5	.70	.50	.30	3,000	1.5	N	N	50	700
JGF1137	31 2 12	111 12 49	1.5	.70	.70	.30	5,000	1.0	N	N	100	700
JGF1139	31 1 54	111 12 44	1.5	.70	.30	.50	1,500	.5	N	N	20	700
JGF1141	31 1 49	111 12 35	2.0	.70	.30	.50	3,000	.5	N	N	50	700
JGF1143	31 1 40	111 11 22	3.0	.70	.70	.70	3,000	.7	<200	N	50	700
JGF1145	31 6 20	111 11 5	5.0	1.00	.07	.20	2,000	2.0	N	N	1,000	1,000
JGF1147	31 6 18	111 10 59	2.0	1.00	.10	.20	1,500	.7	N	N	200	1,000
JGF1149	31 6 14	111 10 54	1.5	.70	.15	.20	1,000	.7	N	N	300	700
JGF1151	31 6 10	111 10 51	1.5	.70	.05	.0	700	<.5	N	N	500	700
JGF1153	31 6 11	111 10 16	1.5	.70	.07	.20	700	<.5	N	N	150	1,000
JGF1155	31 6 11	111 10 8	1.5	.70	.10	.30	700	<.5	N	N	70	700
JGF1157	31 6 9	111 10 5	1.5	.70	.15	.20	1,500	N	N	N	70	700
JGF1159	31 5 55	111 10 21	1.5	.70	.05	.15	500	.5	N	N	200	700
JGF1161	31 5 42	111 10 15	1.5	.70	.05	.20	3,000	1.0	N	N	300	1,000
JGF1163	31 5 38	111 10 11	1.5	.70	.05	.20	1,500	.5	N	N	150	1,000
JGF1165	31 5 28	111 10 27	1.5	.70	.07	.30	3,000	.5	N	N	150	1,000
JGF1167	31 5 35	111 10 46	3.0	.70	.07	.30	3,000	.7	N	N	150	1,000
JGF1169	31 7 9	111 8 0	5.0	.50	.05	.30	1,500	<.5	N	N	200	1,000
JGF1171	31 6 45	111 8 0	1.5	.50	.05	.20	700	<.5	N	N	150	1,000
JGF1173	31 6 39	111 7 31	1.5	.50	.10	.30	1,000	<.5	N	N	150	1,500
JGF1175	31 6 27	111 7 23	1.5	.70	.10	.20	1,000	N	N	N	150	1,000
JGF1177	31 6 11	111 7 37	1.5	.70	.10	.20	1,500	N	N	N	100	700
JGF1179	31 6 59	111 7 22	1.5	.30	.05	.20	1,000	<.5	N	N	200	1,000
JGF1181	31 6 59	111 7 28	1.0	.20	.05	.20	1,500	.5	<200	N	30	700
JGF1183	31 7 8	111 7 38	1.0	.15	.05	.20	2,000	.7	N	N	20	700
JGF1185	31 7 50	111 8 32	1.0	.30	.05	.20	1,500	.5	N	N	30	700
JGF1187	31 7 42	111 8 46	1.5	.15	.05	.20	1,000	.5	N	N	30	700
JGF1191	31 7 18	111 8 30	1.5	.15	.05	.15	1,000	.5	N	N	70	700
JGF1193	31 7 10	111 8 12	1.5	.30	.05	.20	2,000	<.5	<200	N	200	1,000
JGF1195	31 6 38	111 8 31	1.5	.30	.05	.20	1,500	.5	N	N	150	1,000
JGF1197	31 6 12	111 8 27	1.5	.70	.10	.20	1,000	<.5	N	N	300	1,500

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
JGF1107	2.0	<10	N	15	30	30	70	<5	<20	7	70
JGF1109	1.5	N	N	10	20	20	50	<5	<20	5	100
JGF1111	1.5	N	N	10	<10	30	50	<5	<20	<5	300
JGF1113	1.5	<10	N	10	<10	70	50	<5	<20	<5	500
JGF1115	1.5	<10	N	7	<10	100	50	<5	<20	<5	500
JGF1117	1.5	N	N	<5	<10	20	50	<5	<20	<5	150
JGF1119	1.0	N	N	<5	<10	15	50	<5	<20	<5	100
JGF1121	1.0	N	N	5	<10	20	20	<5	<20	<5	300
JGF1123	1.5	10	N	15	20	30	30	7	<20	5	200
JGF1125	1.0	<10	N	5	20	50	50	5	<20	10	300
JGF1127	1.0	<10	N	20	70	50	50	<5	<20	20	70
JGF1129	1.5	N	N	20	100	30	70	<5	<20	20	70
JGF1131	1.5	N	N	5	20	5	30	20	20	<5	700
JGF1133	1.0	N	N	<5	20	7	30	<5	<20	5	300
JGF1135	1.5	N	N	<5	10	7	70	N	<20	<5	100
JGF1137	2.0	N	N	<5	10	<5	50	N	<20	<5	70
JGF1139	1.0	N	N	5	10	10	50	<5	<20	<5	70
JGF1141	1.0	N	N	7	10	7	70	50	<20	<5	500
JGF1143	1.5	N	N	10	20	10	100	5	20	5	50
JGF1145	2.0	20	N	15	15	200	100	20	<20	<5	700
JGF1147	2.0	<10	N	15	10	100	70	<5	<20	<5	150
JGF1149	1.5	<10	N	10	10	100	70	5	<20	<5	70
JGF1151	1.5	<10	N	<5	<10	30	30	<5	<20	<5	70
JGF1153	1.5	N	N	<5	10	20	30	<5	<20	<5	70
JGF1155	1.5	<10	N	15	10	200	50	<5	<20	5	100
JGF1157	1.5	N	N	7	<10	50	70	<5	<20	5	70
JGF1159	1.5	<10	N	<5	<10	50	70	<5	<20	<5	70
JGF1161	1.0	<10	N	5	<10	30	50	<5	<20	<5	200
JGF1163	1.5	N	N	10	<10	30	50	<5	<20	<5	150
JGF1165	1.5	<10	N	5	<10	30	50	N	<20	<5	200
JGF1167	1.0	N	N	10	10	20	20	<5	<20	<5	700
JGF1169	1.0	<10	N	5	<10	20	20	<5	<20	<5	100
JGF1171	1.0	N	N	<5	<10	20	30	<5	<20	<5	50
JGF1173	1.5	<10	N	<5	<10	30	30	<5	<20	<5	70
JGF1175	1.0	<10	N	5	<10	20	70	<5	<20	<5	100
JGF1177	1.5	<10	N	15	<10	30	20	<5	<20	<5	200
JGF1179	1.0	<10	N	<5	<10	20	70	<5	N	<5	70
JGF1181	1.5	<10	N	<5	<10	20	150	<5	N	<5	200
JGF1183	1.5	<10	N	<5	<10	30	20	20	N	<5	500
JGF1185	1.5	N	N	5	<10	5	20	<5	N	<5	300
JGF1187	1.5	<10	N	<5	<10	15	20	5	N	<5	300
JGF1191	1.0	<10	N	<5	<10	20	70	<5	N	<5	70
JGF1193	1.5	<10	N	5	<10	30	50	<5	N	<5	70
JGF1195	1.5	10	N	5	<10	50	30	<5	N	<5	70
JGF1197	1.0	<10	N	15	10	30	50	<5	N	<5	50

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF1107	N	5	<10	200	70	N	70	N	300	N
JGF1109	N	7	<10	200	50	N	70	N	70	N
JGF1111	N	7	<10	150	20	N	50	200	70	N
JGF1113	N	7	<10	150	50	N	50	<200	300	N
JGF1115	N	7	<10	150	30	N	70	N	70	N
JGF1117	N	5	<10	100	30	N	30	N	100	N
JGF1119	N	<5	<10	<100	20	N	30	N	150	N
JGF1121	N	7	<10	100	50	N	50	N	200	N
JGF1123	N	7	10	100	70	N	70	N	200	N
JGF1125	N	5	<10	100	30	N	100	N	200	N
JGF1127	N	10	<10	500	150	N	100	N	200	N
JGF1129	N	10	<10	500	100	N	100	N	200	N
JGF1131	N	10	15	150	100	N	50	N	500	N
JGF1133	N	7	<10	300	70	N	70	N	200	N
JGF1135	N	7	<10	200	70	N	100	N	200	N
JGF1137	N	10	<10	200	70	N	100	200	300	N
JGF1139	N	7	<10	200	70	N	100	N	300	N
JGF1141	N	7	<10	200	70	N	100	<200	200	N
JGF1143	N	10	15	150	100	N	150	N	300	N
JGF1145	N	7	20	100	50	N	100	N	500	N
JGF1147	N	7	10	150	30	N	10	N	200	N
JGF1149	N	7	10	150	50	N	100	200	150	N
JGF1151	N	5	<10	<100	15	N	70	N	70	N
JGF1153	N	7	<10	100	30	N	50	N	100	N
JGF1155	N	7	10	150	20	N	100	200	100	N
JGF1157	N	5	<10	<100	30	N	70	N	100	N
JGF1159	N	5	10	100	20	N	70	N	100	N
JGF1161	N	7	<10	100	20	N	50	N	70	N
JGF1163	N	7	<10	100	20	N	70	N	300	N
JGF1165	N	10	N	<100	20	N	100	N	300	N
JGF1167	N	5	<10	150	30	N	70	N	300	N
JGF1169	N	7	<10	<100	50	N	50	N	200	N
JGF1171	N	7	N	100	20	N	50	N	200	N
JGF1173	N	7	10	200	50	N	30	N	300	N
JGF1175	N	7	10	200	50	N	30	N	100	N
JGF1177	N	5	<10	100	30	N	30	N	100	N
JGF1179	N	20	<10	<100	20	N	50	N	200	N
JGF1181	N	20	<10	<100	15	N	70	N	200	N
JGF1183	N	15	<10	<100	15	<50	50	300	300	N
JGF1185	N	20	N	<100	30	N	30	200	300	N
JGF1187	N	20	<10	<100	20	N	70	200	300	N
JGF1191	N	20	<10	<100	15	N	50	N	200	N
JGF1193	N	20	<10	<100	30	<50	30	N	200	N
JGF1195	N	20	<10	100	30	N	70	N	200	N
JGF1197	N	20	<10	100	50	N	30	N	200	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF1199	31 6 15	111 8 23	1.5	.70	.10	.30	2,000	<.5	N	N	200	1,500
JGF1201	31 7 16	111 6 49	1.5	.70	.07	.20	3,000	.5	N	N	50	3,000
JGF1203	31 7 6	111 6 52	1.5	.70	.10	.20	1,000	.5	N	N	150	1,500
JGF1205	31 6 29	111 6 54	1.5	.70	.10	.30	700	<.5	N	N	500	2,000
JGF1207	31 6 45	111 6 55	1.5	.70	.10	.20	1,000	<.5	N	N	300	1,500
JGF1209	31 5 44	111 6 53	1.5	1.00	.20	.30	1,000	<.5	N	N	200	2,000
JGF1211	31 5 48	111 6 58	1.5	1.00	.30	.30	1,000	.5	N	N	500	2,000
JGF1213	31 6 38	111 6 37	2.0	1.00	.30	.20	1,000	.5	N	N	300	1,500
JGF1215	31 4 19	111 5 23	1.5	.70	.20	.20	1,500	.7	N	N	200	1,500
JGF1217	31 4 35	111 5 24	1.5	1.00	.20	.20	1,000	<.5	N	N	150	1,500
JGF1219	31 4 38	111 6 24	1.5	1.00	.15	.20	1,000	<.5	N	N	1,000	1,500
JGF1221	31 4 50	111 6 13	1.5	1.00	.20	.30	1,500	<.5	N	N	300	1,000
JGF1223	31 4 47	111 6 23	1.5	.70	.20	.15	1,500	<.5	N	N	300	1,000
JGF1225	31 5 9	111 6 58	2.0	1.00	.30	.20	1,500	<.5	N	N	300	1,500
JGF1227	31 5 2	111 6 48	1.5	1.00	.20	.30	1,500	<.5	N	N	700	2,000
JGF1229	31 5 5	111 6 36	1.5	1.00	.20	.20	1,000	<.5	N	N	700	2,000
JGF1231	31 5 7	111 6 48	1.5	.50	.50	.20	1,000	N	N	N	50	1,500
JGF1233	31 3 56	111 4 44	1.5	.50	.30	.10	1,500	<.5	N	N	100	1,000
JGF1235	31 3 39	111 4 50	1.5	.70	.20	.30	1,500	<.5	N	N	150	700
JGF1237	31 3 41	111 4 45	1.5	.70	.15	.10	1,000	.5	N	N	1,000	700
JGF1239	31 3 43	111 5 18	2.0	.70	.15	.30	1,000	.5	N	N	1,000	1,000
MMG0001	31 6 8	111 17 21	3.0	.50	1.00	.50	1,500	N	N	N	20	2,000
MMG0004	31 6 13	111 17 20	3.0	.50	.70	.50	1,500	N	N	N	20	1,500
MMG0007	31 6 8	111 17 24	2.0	.70	1.00	.30	1,000	.7	N	N	50	1,000
MMG0010	31 6 9	111 17 31	2.0	1.00	1.00	.30	1,000	N	N	N	30	1,000
MMG0013	31 6 13	111 17 38	5.0	.70	.70	.30	3,000	N	N	N	<10	1,500
MMG0019	31 6 33	111 17 36	3.0	1.00	2.00	.50	1,000	N	N	N	200	1,500
MMG0025	31 4 16	111 19 48	2.0	.20	.20	.30	500	N	N	N	150	1,500
MMG0034	31 12 0	111 10 0	1.5	.20	.10	.15	1,000	N	N	N	20	1,500
MMG0037	31 11 41	111 10 11	1.5	.20	.10	.30	1,500	N	N	N	20	2,000
MMG0040	31 11 32	111 10 12	2.0	.20	.10	.20	1,500	N	N	N	20	1,500
MMG0052	31 10 42	111 10 7	2.0	.30	.20	.30	1,500	N	N	N	20	1,000
MMG0055	31 10 39	111 10 22	3.0	.70	1.00	.50	1,000	.5	N	N	50	1,500
MMG0058	31 10 31	111 10 38	3.0	1.50	1.00	.50	1,500	N	N	N	70	2,000
MMG0061	31 10 26	111 10 54	3.0	1.00	1.50	.70	1,500	.7	N	N	50	1,500
MMG0064	31 10 24	111 11 5	3.0	.70	2.00	.70	1,500	N	N	N	70	1,000
MMG0067	31 10 32	111 11 20	5.0	1.00	5.00	.50	1,500	N	N	N	100	1,500
MMG0070	31 9 26	111 8 55	3.0	.50	.20	.30	1,000	N	N	N	50	700
MMG0073	31 9 21	111 8 43	2.0	.50	.20	.30	700	N	N	N	50	500
MMG0076	31 8 42	111 9 19	1.5	.70	1.50	.15	300	N	N	N	30	300
MMG0079	31 9 16	111 9 16	.5	.30	.15	.10	300	N	N	N	30	300
MMG0082	31 9 23	111 10 48	3.0	.30	.10	.20	300	N	N	N	70	700
MMG0085	31 9 6	111 9 38	1.0	.30	.20	.15	300	N	N	N	50	500
MMG0083	31 10 47	111 12 0	1.5	.70	.70	.15	200	N	N	N	30	300
MMG0091	31 10 43	111 12 31	1.5	.70	1.50	.15	300	N	N	N	30	500

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
JGF1199	1.5	<10	N	15	30	50	30	<5	N	20	70
JGF1201	3.0	N	N	10	<10	150	50	<5	<20	<5	100
JGF1203	2.0	N	N	7	10	50	30	15	<20	5	700
JGF1205	2.0	N	N	20	10	50	70	7	<20	5	150
JGF1207	2.0	N	N	5	10	20	150	5	<20	<5	200
JGF1209	1.5	N	N	10	10	30	20	10	<20	<5	150
JGF1211	2.0	<10	N	15	10	50	20	15	<20	<5	200
JGF1213	2.0	N	N	10	10	20	30	5	<20	<5	200
JGF1215	3.0	<10	N	15	10	70	30	10	<20	5	150
JGF1217	2.0	N	N	7	<10	50	20	5	<20	5	100
JGF1219	2.0	N	N	10	10	100	20	7	<20	10	700
JGF1221	2.0	N	N	10	<10	50	30	5	<20	<5	300
JGF1223	2.0	N	N	15	10	50	50	5	<20	7	300
JGF1225	2.0	N	N	15	10	50	30	7	<20	<5	100
JGF1227	2.0	N	N	15	<10	30	30	10	<20	7	300
JGF1229	1.5	N	N	7	<10	50	30	10	<20	<5	200
JGF1231	1.5	N	N	10	<10	15	20	5	<20	<5	50
JGF1233	2.0	N	N	5	<10	70	30	<5	<20	5	100
JGF1235	2.0	<10	N	20	10	70	50	20	<20	<5	300
JGF1237	3.0	<10	N	10	10	70	50	7	<20	5	200
JGF1239	2.0	<10	N	15	10	70	50	15	<20	<5	300
MMG0001	2.0	N	N	5	70	50	100	<5	N	15	100
MMG0004	3.0	N	N	N	20	30	70	<5	N	5	100
MMG0007	3.0	N	N	7	20	20	70	5	N	20	70
MMG0010	2.0	N	N	10	30	20	70	15	N	20	200
MMG0013	1.5	N	N	10	70	20	100	N	N	30	200
MMG0019	2.0	N	N	10	30	30	70	N	N	20	30
MMG0025	1.0	N	N	N	20	30	100	N	N	5	30
MMG0034	1.0	N	N	N	<10	15	30	N	N	N	50
MMG0037	1.0	N	N	N	10	7	70	N	N	N	30
MMG0040	2.0	N	N	N	<10	30	<20	N	N	N	30
MMG0052	1.0	N	N	7	30	15	70	10	N	10	70
MMG0055	1.5	N	N	10	30	30	50	N	N	15	30
MMG0058	2.0	N	N	5	100	70	50	N	N	30	30
MMG0061	2.0	N	N	5	150	50	50	N	N	20	50
MMG0064	3.0	N	N	10	70	30	70	5	N	20	50
MMG0067	2.0	N	N	5	30	20	50	N	N	5	100
MMG0070	N	N	N	7	<10	5	50	<5	N	N	70
MMG0073	N	N	N	5	<10	7	30	N	N	N	50
MMG0076	N	N	N	7	<10	<5	30	N	N	5	30
MMG0079	N	N	N	<5	<10	10	<20	N	N	N	10
MMG0082	N	N	N	7	<10	5	30	<5	N	<5	30
MMG0085	N	N	N	<5	<10	7	<20	N	N	<5	20
MMG0088	N	N	N	5	<10	5	20	N	N	<5	20
MMG0091	N	N	N	5	<10	190	<20	N	N	<5	20

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF1199	N	30	<10	150	50	N	50	N	200	N
JGF1201	N	7	N	200	20	N	70	<200	300	N
JGF1203	N	7	N	150	30	N	70	N	300	N
JGF1205	N	7	N	150	20	N	50	N	300	N
JGF1207	N	5	N	150	20	N	50	N	200	N
JGF1209	N	10	N	300	30	N	30	N	500	N
JGF1211	N	7	<10	300	50	N	30	N	300	N
JGF1213	N	7	N	500	50	N	30	<200	200	N
JGF1215	N	7	N	500	30	N	70	N	200	N
JGF1217	N	5	N	300	20	N	50	N	300	N
JGF1219	N	7	N	300	30	N	50	N	500	N
JGF1221	N	7	N	300	30	N	70	N	300	N
JGF1223	N	5	N	300	50	N	50	N	200	N
JGF1225	N	7	N	300	70	N	30	N	300	N
JGF1227	N	7	N	700	50	N	50	N	300	N
JGF1229	N	7	N	300	30	N	30	N	100	N
JGF1231	N	7	N	300	50	N	30	N	200	N
JGF1233	N	5	N	150	20	N	50	N	200	N
JGF1235	N	7	N	200	50	N	150	N	200	N
JGF1237	N	7	N	150	20	N	100	N	200	N
JGF1239	N	7	N	150	20	N	100	N	200	N
MMG0001	N	7	N	150	30	N	30	N	150	N
MMG0004	N	5	N	150	20	N	30	N	150	N
MMG0007	N	7	N	100	50	N	20	N	100	N
MMG0010	N	7	N	<100	50	N	30	N	150	N
MMG0013	N	7	N	200	70	N	30	N	100	N
MMG0019	N	7	N	100	70	N	20	N	150	N
MMG0025	N	5	N	<100	20	N	15	N	150	N
MMG0034	N	5	N	<100	20	N	15	N	150	N
MMG0037	N	5	N	<100	10	N	20	N	100	N
MMG0040	N	7	N	<100	20	N	20	N	300	N
MMG0052	N	7	N	<100	50	N	20	N	150	N
MMG0055	N	5	N	200	70	N	20	N	150	N
MMG0058	N	5	N	150	50	N	20	N	200	N
MMG0061	N	10	N	150	50	N	30	N	150	N
MMG0064	N	10	N	200	50	N	30	N	150	N
MMG0067	N	7	N	<100	70	N	20	N	150	N
MMG0070	N	5	N	150	70	N	70	N	200	N
MMG0073	N	5	N	100	30	N	50	N	200	N
MMG0076	N	5	N	200	30	N	30	N	100	N
MMG0079	N	5	N	N	30	N	<10	N	300	N
MMG0082	N	5	N	N	30	N	50	N	200	N
MMG0085	N	5	N	100	30	N	30	N	200	N
MMG0088	N	7	N	150	50	N	30	N	70	N
MMG0091	N	5	N	150	50	N	30	N	100	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
MMG0094	31 11 10	111 13 13	5.0	.70	.30	.50	700	N	N	N	50	700
MMG0097	31 10 54	111 13 18	2.0	.70	.30	.30	500	N	N	N	50	700
MMG0100	31 10 21	111 7 1	2.0	.30	.20	.30	3,000	N	N	N	20	700
MMG0103	31 10 22	111 7 7	3.0	.30	.10	.50	2,000	N	N	N	20	700
MMG0106	31 10 18	111 7 23	2.0	.70	.70	.30	1,500	2.0	N	N	30	1,000
PKT0001	31 6 56	111 15 35	3.0	.70	1.00	.30	3,000	N	N	N	20	700
PKT0006	31 5 41	111 14 51	3.0	1.50	1.50	.30	1,500	N	N	N	20	700
PKT0009	31 5 38	111 14 58	3.0	.70	1.50	.30	2,000	N	N	N	50	700
PKT0012	31 5 26	111 14 53	5.0	1.50	1.50	.70	2,000	N	N	N	150	1,500
PKT0015	31 5 20	111 14 43	1.5	.30	.70	.20	1,000	<.5	N	N	20	700
PKT0018	31 5 16	111 14 47	5.0	.70	2.00	.50	2,000	N	N	N	200	1,500
PKT0021	31 4 38	111 14 23	1.5	.30	.70	.20	1,000	N	N	N	<10	700
PKT0024	31 4 30	111 14 15	5.0	.30	1.00	.30	2,000	1.0	N	N	10	1,500
PKT0027	31 4 11	111 14 8	5.0	.50	.70	.50	1,500	1.0	N	N	10	1,500
PKT0030	31 4 11	111 13 47	3.0	.30	.30	.30	500	N	N	N	10	1,500
PKT0033	31 4 22	111 13 35	10.0	.20	.50	.50	1,500	N	N	N	20	700
PKT0036	31 4 27	111 13 37	2.0	.30	.70	.30	1,000	N	N	N	30	700
PKT0039	31 3 36	111 4 33	5.0	.70	1.50	.15	1,500	.5	N	N	20	700
PKT0042	31 3 42	111 14 56	3.0	1.00	2.00	.50	3,000	N	N	N	300	700
PKT0045	31 3 18	111 13 37	3.0	.30	.50	.30	1,500	N	N	N	30	1,000
PKT0048	31 3 16	111 13 41	3.0	.30	1.00	.20	3,000	N	N	N	30	700
PKT0051	31 3 36	111 14 11	3.0	.30	1.50	.50	2,000	N	N	N	N	1,500
PKT0054	31 3 17	111 15 42	7.0	1.50	1.50	1.00	1,000	N	N	N	100	1,500
PKT0057	31 3 26	111 15 37	3.0	.70	1.50	.50	1,000	<.5	N	N	200	1,500
PKT0062	31 3 31	111 15 18	7.0	.50	.70	.50	300	.7	N	N	100	2,000
PKT0065	31 8 55	111 12 10	2.0	.20	.20	.30	200	N	N	N	50	1,500
PKT0068	31 8 57	111 12 15	2.0	.30	.10	.20	3,000	<.5	N	N	<10	1,500
PKT0071	31 9 5	111 12 14	3.0	.50	.20	.30	3,000	.5	N	N	70	1,500
PKT0074	31 9 7	111 12 8	3.0	.30	.30	.20	1,500	<.5	N	N	150	1,500
PKT0077	31 8 12	111 13 12	7.0	.50	.70	.50	2,000	N	N	N	50	1,000
PKT0080	31 8 13	111 13 8	2.0	.30	.20	.20	2,000	N	N	N	150	1,500
PKT0083	31 8 1	111 12 58	3.0	.30	.50	.20	150	N	N	N	150	1,500
PKT0086	31 7 57	111 12 53	2.0	.30	.30	.20	1,000	N	N	N	50	1,000
PKT0089	31 7 39	111 13 18	2.0	.50	.50	.30	300	N	N	N	70	1,500
PKT0092	31 7 35	111 13 29	2.0	.50	.70	.30	1,500	N	N	N	100	1,000
PKT0095	31 7 23	111 13 37	1.5	.30	.30	.20	1,000	N	N	N	10	1,000
PKT0098	31 4 33	111 15 44	3.0	.50	1.00	.50	2,000	.5	N	N	50	1,500
PKT0101	31 4 31	111 15 50	5.0	.70	2.00	.50	3,000	N	N	N	70	1,500
PKT0104	31 4 29	111 15 58	2.0	.50	1.00	.30	1,500	N	N	N	200	1,500
PKT0115	31 6 13	111 11 7	2.0	.20	.15	.20	1,000	N	N	N	300	700
PKT0118	31 10 14	111 13 46	3.0	.50	.10	.30	5,000	5.0	N	N	50	1,500
PKT0124	31 8 59	111 13 30	5.0	.50	.30	.30	5,000	.7	N	N	100	1,500
PKT0127	31 9 51	111 13 53	5.0	.70	.20	.30	5,000	1.0	N	N	20	1,500
RLT0724	31 4 43	111 14 42	3.0	.30	1.00	.30	2,000	N	N	N	N	2,000
RLT0727	31 4 41	111 14 49	3.0	.30	2.00	.30	1,000	N	N	N	20	1,500

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
MMG0094	N	N	N	10	10	7	30	5	N	7	70
MMG0097	N	N	N	5	<10	7	30	<5	N	7	30
MMG0100	2.0	N	N	<5	10	30	100	10	N	N	100
MMG0103	2.0	N	N	N	10	50	100	15	N	N	100
MMG0106	2.0	N	N	5	150	50	50	N	N	5	50
PKT0001	2.0	N	N	15	15	70	50	10	N	30	1,500
PKT0006	1.0	N	N	20	30	30	30	5	N	70	200
PKT0009	1.5	N	N	10	N	70	70	10	N	10	1,500
PKT0012	<1.0	N	N	15	20	100	70	5	N	15	50
PKT0015	1.0	N	N	N	N	15	30	N	N	N	100
PKT0018	1.5	N	N	30	20	100	50	30	N	30	150
PKT0021	2.0	N	N	N	N	20	50	N	N	N	100
PKT0024	1.0	N	N	10	<10	70	50	300	N	5	3,000
PKT0027	1.0	N	N	10	<10	70	50	30	N	7	700
PKT0030	1.0	N	N	N	<10	5	70	N	N	N	20
PKT0033	1.0	N	N	5	N	30	70	N	N	N	70
PKT0036	1.0	N	N	N	N	10	50	N	N	N	70
PKT0039	1.0	N	N	7	N	30	30	20	N	15	300
PKT0042	2.0	N	N	20	N	100	50	N	N	30	70
PKT0045	1.5	N	N	N	<10	30	50	10	N	N	100
PKT0048	1.5	N	N	N	N	30	70	N	N	N	150
PKT0051	1.0	N	N	<5	<10	20	70	5	N	<5	150
PKT0054	2.0	N	N	30	100	20	50	N	N	70	30
PKT0057	5.0	N	N	15	70	70	50	7	N	30	50
PKT0062	3.0	N	N	7	50	200	70	30	N	30	70
PKT0065	1.0	N	N	<5	<10	20	70	N	N	N	70
PKT0068	2.0	N	N	N	<10	30	30	N	N	N	150
PKT0071	2.0	N	N	N	10	30	70	N	N	N	300
PKT0074	1.5	N	N	N	<10	30	<20	N	N	N	150
PKT0077	2.0	N	N	N	<10	50	100	<5	N	N	100
PKT0080	2.0	N	N	N	<10	20	50	N	N	N	100
PKT0083	1.5	N	N	N	<10	15	70	N	N	N	30
PKT0086	1.5	N	N	N	10	10	70	N	N	N	70
PKT0089	2.0	N	N	5	50	10	70	N	N	N	50
PKT0092	3.0	N	N	N	<10	30	30	N	N	10	100
PKT0095	1.0	N	N	N	<10	10	30	<5	N	N	150
PKT0098	2.0	N	N	7	50	30	50	N	N	15	100
PKT0101	<1.0	N	N	5	30	20	70	N	N	5	150
PKT0104	1.5	N	N	5	30	50	50	N	N	7	150
PKT0115	2.0	N	N	N	<10	20	50	10	N	N	70
PKT0118	3.0	N	N	<5	15	100	70	15	N	<5	1,500
PKT0124	3.0	N	N	N	<10	30	50	<5	N	<5	700
PKT0127	3.0	N	N	<5	10	50	50	7	N	<5	1,500
RLT0724	1.0	N	N	5	<10	30	50	N	N	N	200
RLT0727	<1.0	N	N	10	10	50	70	N	N	N	100

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
MMG0094	N	7	N	150	70	N	50	N	150	N
MMG0097	N	5	N	200	50	N	30	N	150	N
MMG0100	N	7	N	<100	20	N	30	200	150	N
MMG0103	N	7	N	<100	20	N	30	200	150	N
MMG0106	N	5	N	150	50	N	20	N	150	N
PKT0001	N	10	N	150	100	N	30	300	150	N
PKT0006	N	10	N	150	70	N	30	200	150	N
PKT0009	N	7	N	200	200	N	20	300	150	N
PKT0012	N	10	N	300	150	N	30	N	150	N
PKT0015	N	5	N	<100	50	N	20	<200	100	N
PKT0018	N	20	N	<100	150	N	30	N	150	N
PKT0021	N	5	N	100	30	N	20	N	150	N
PKT0024	N	7	N	<100	100	N	20	700	150	N
PKT0027	N	7	N	<100	50	N	20	<200	150	N
PKT0030	N	7	N	<100	10	N	20	N	150	N
PKT0033	N	10	N	100	70	N	50	N	150	N
PKT0036	N	5	N	100	30	N	20	N	150	N
PKT0039	N	7	N	200	70	N	20	N	150	N
PKT0042	N	10	N	150	70	N	30	200	150	N
PKT0045	N	7	N	100	50	N	20	<200	100	N
PKT0048	N	5	N	100	70	N	20	N	150	N
PKT0051	N	7	N	<100	50	N	20	N	150	N
PKT0054	N	20	N	300	100	N	30	N	150	N
PKT0057	N	15	N	200	100	N	30	N	150	N
PKT0062	N	7	N	300	50	N	30	N	150	N
PKT0065	N	7	N	<100	15	N	20	N	200	N
PKT0068	N	7	N	<100	15	N	30	N	150	N
PKT0071	N	5	N	150	20	N	20	200	150	N
PKT0074	N	7	N	<100	50	N	20	N	150	N
PKT0077	N	5	N	150	50	70	30	N	150	N
PKT0080	N	5	N	100	30	N	30	N	200	N
PKT0083	N	5	N	<100	20	N	30	N	150	N
PKT0086	N	5	N	100	30	N	20	N	150	N
PKT0089	N	7	N	<100	20	N	20	N	150	N
PKT0092	N	7	N	<100	50	N	30	N	150	N
PKT0095	N	5	N	<100	50	N	30	N	150	N
PKT0098	N	5	N	200	70	N	20	N	150	N
PKT0101	N	7	N	300	50	N	30	N	100	N
PKT0104	N	7	N	300	70	N	20	N	150	N
PKT0115	N	7	N	<100	20	N	30	N	150	N
PKT0118	N	10	N	<100	30	N	30	300	200	N
PKT0124	N	7	N	150	50	N	20	500	150	N
PKT0127	N	7	N	200	50	N	20	1,000	150	N
RLT0724	N	7	N	<100	30	N	20	N	150	N
RLT0727	N	10	N	<100	70	N	30	N	150	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
RLT0730	31 1 30	111 18 38	5.0	1.50	3.00	1.00	1,000	N	N	N	50	2,000
RLT0733	31 4 29	111 14 49	3.0	.70	1.50	.50	1,000	N	N	N	150	1,500
RLT0736	31 1 37	111 18 17	5.0	.10	2.00	.70	1,000	N	N	N	50	1,000
RLT0739	31 1 41	111 17 45	5.0	1.50	2.00	.70	1,500	N	N	N	50	1,000
RLT0747	31 9 49	111 11 56	3.0	.70	1.50	.30	1,000	N	N	N	70	1,000
RLT0751	31 5 50	111 15 59	3.0	1.00	1.50	.30	3,000	N	N	N	50	700
RLT0754	31 5 48	111 15 54	3.0	.70	1.00	.30	1,500	N	N	N	50	700
RLT0757	31 6 16	111 15 36	5.0	1.00	3.00	.50	2,000	N	N	N	150	1,500
RLT0760	31 9 42	111 11 57	1.5	.50	1.50	.30	1,000	N	N	N	30	1,500
RLT0766	31 8 34	111 9 40	1.0	.20	1.00	.15	300	N	N	N	200	1,000
RLT0769	31 8 22	111 9 30	2.0	.30	.15	.30	2,000	N	N	N	150	1,500
RLT0772	31 8 21	111 9 6	1.5	.30	1.00	.20	3,000	N	N	N	200	1,000
RLT0775	31 7 59	111 7 58	2.0	.30	.20	.30	2,000	N	N	N	150	2,000
RLT0778	31 6 42	111 5 57	2.0	.20	.15	.15	1,500	N	N	N	300	1,500
RLT0781	31 7 29	111 6 42	1.5	.15	.07	.10	1,000	N	N	N	100	1,500
RLT0784	31 7 44	111 7 8	3.0	.70	.50	.30	1,500	N	N	N	20	1,000
RLT0787	31 7 2	111 6 20	2.0	.30	.20	.20	1,500	N	N	N	200	2,000
RLT0790	31 7 36	111 7 34	1.5	.20	.10	.30	1,000	N	N	N	50	1,500
RLT0793	31 7 37	111 7 38	2.0	.30	.15	.30	1,500	N	N	N	50	1,500
RLT0799	31 8 37	111 14 17	3.0	.30	.30	.30	1,500	<.5	N	N	50	1,500
RLT0802	31 6 49	111 10 21	3.0	.20	.10	.20	1,500	.7	N	N	150	1,500
RLT0805	31 6 47	111 10 24	5.0	.50	.10	.50	2,000	.7	N	N	1,000	1,000
RLT0808	31 7 3	111 10 30	3.0	.50	.10	.50	2,000	.5	N	N	700	1,500
RLT0811	31 7 6	111 10 35	3.0	.30	.10	.50	5,000	1.5	N	N	200	1,500
RLT0814	31 7 43	111 10 49	3.0	.30	.20	.50	1,000	N	N	N	1,000	2,000
RLT0817	31 7 11	111 9 48	3.0	.30	.10	.30	1,000	N	N	N	100	1,000
RLT0820	31 7 5	111 9 46	3.0	.20	.10	.30	3,000	N	N	N	150	1,500
RLT0823	31 7 19	111 10 5	1.5	.20	.15	.20	1,000	N	N	N	300	1,000
RLT0826	31 11 2	111 7 55	2.0	.30	.15	.70	3,000	N	N	N	30	1,500
RLT0829	31 10 50	111 8 7	2.0	.20	.10	.30	1,000	N	N	N	30	1,500
RLT0832	31 10 45	111 8 14	3.0	.70	.30	.50	700	N	N	N	70	1,500
RLT0835	31 10 47	111 8 37	2.0	.30	.20	.50	1,000	N	N	N	30	1,500
RLT0838	31 11 14	111 8 25	7.0	.20	.05	1.00	1,000	N	N	N	50	1,000
RLT0841	31 10 52	111 8 54	2.0	.30	.10	.50	1,500	N	N	N	30	1,500
RLT0844	31 10 56	111 8 56	3.0	.30	.20	.70	1,500	N	N	N	30	1,500
RLT0847	31 6 13	111 16 27	1.5	.70	.50	.20	1,500	<.5	N	N	200	1,000
RLT0850	31 6 9	111 16 30	1.5	.70	.50	.20	1,500	.5	N	N	100	700
RLT0853	31 6 10	111 16 37	1.0	.70	.70	.20	1,500	<.5	N	N	100	700
RLT0856	31 6 14	111 16 39	5.0	1.00	.70	.50	3,000	<.5	N	N	70	1,000
RLT0859	31 5 25	111 16 6	2.0	1.50	1.50	.30	2,000	.5	N	N	50	700
RLT0862	31 5 20	111 16 6	2.0	1.00	1.00	.30	2,000	.5	N	N	70	1,000
RLT0868	31 5 8	111 15 58	3.0	1.00	1.50	.30	3,000	.5	N	N	300	1,500
RLT0871	31 5 8	111 17 20	1.5	.70	.70	.20	2,000	<.5	N	N	70	1,000
RLT0874	31 5 10	111 17 18	1.0	.70	.70	.30	5,000	<.5	N	N	50	1,000
RLT0877	31 5 39	111 16 57	1.0	.70	.50	.15	1,500	<.5	N	N	30	1,000

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
RLT0730	1.0	N	N	30	50	70	50	<5	N	70	20
RLT0733	1.5	N	N	20	20	70	50	N	N	20	50
RLT0736	1.5	N	N	15	20	70	50	N	N	70	30
RLT0739	2.0	N	N	15	20	70	50	N	N	30	70
RLT0747	3.0	N	N	10	70	30	50	N	N	30	70
RLT0751	2.0	N	N	10	N	50	70	<5	N	30	70
RLT0754	1.0	N	N	7	10	30	50	N	N	10	70
RLT0757	1.5	N	N	15	20	100	70	50	N	10	5,000
RLT0760	2.0	N	N	N	50	20	70	N	N	10	50
RLT0766	2.0	N	N	N	<10	15	N	N	N	N	50
RLT0769	3.0	N	N	<5	20	30	70	5	N	<5	70
RLT0772	3.0	N	N	<5	20	30	50	5	N	<5	50
RLT0775	2.0	N	N	<5	20	30	<20	20	N	<5	100
RLT0778	3.0	N	N	<5	<10	70	150	5	N	<5	70
RLT0781	2.0	N	N	N	<10	20	<20	N	N	N	70
RLT0784	2.0	N	N	10	70	30	50	<5	N	7	100
RLT0787	2.0	N	N	N	<10	50	<20	N	N	<5	100
RLT0790	1.5	N	N	N	N	15	50	N	N	N	100
RLT0793	<1.0	N	N	<5	<10	20	<20	<5	N	<5	70
RLT0799	3.0	N	N	5	15	30	50	<5	N	<5	100
RLT0802	1.0	N	N	5	N	100	50	7	N	5	50
RLT0805	2.0	N	N	15	10	100	50	10	N	N	200
RLT0808	2.0	N	N	10	10	500	50	10	N	5	30
RLT0811	2.0	N	N	100	10	150	70	10	N	<5	150
RLT0814	3.0	N	N	N	<10	50	50	5	N	<5	50
RLT0817	2.0	N	N	10	<10	100	70	20	N	<5	50
RLT0820	2.0	N	N	20	N	70	100	15	N	<5	50
RLT0823	3.0	N	N	30	10	100	70	7	N	<5	70
RLT0826	2.0	N	N	N	10	50	70	N	N	5	100
RLT0829	1.0	N	N	N	15	70	50	N	N	<5	70
RLT0832	3.0	N	N	5	50	30	50	N	N	20	30
RLT0835	2.0	N	N	N	20	30	50	N	N	5	30
RLT0838	1.5	N	N	N	20	20	50	N	20	<5	30
RLT0841	2.0	N	N	<5	10	20	30	N	N	<5	50
RLT0844	2.0	N	N	5	30	20	30	N	N	7	50
RLT0847	1.0	10	N	10	10	10	50	5	N	15	100
RLT0850	1.0	N	N	15	15	50	30	<5	N	30	500
RLT0853	1.0	N	N	15	50	15	30	<5	N	30	150
RLT0856	1.0	N	N	20	200	20	30	<5	N	30	150
RLT0859	1.0	<10	N	20	20	30	30	<5	20	70	200
RLT0862	1.5	<10	N	20	30	30	30	5	N	30	150
RLT0868	1.0	<10	N	15	20	20	30	<5	N	30	300
RLT0871	1.5	<10	N	15	30	20	30	5	N	30	200
RLT0874	1.5	<10	N	10	30	20	30	<5	N	30	70
RLT0877	1.0	<10	N	7	20	10	30	<5	N	30	300

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
RLT0730	N	15	N	<100	100	N	30	N	150	N
RLT0733	N	10	N	<100	100	N	30	N	150	N
RLT0736	N	15	N	300	150	N	30	N	150	N
RLT0739	N	15	N	200	150	N	30	N	150	N
RLT0747	N	10	N	<100	50	N	20	N	150	N
RLT0751	N	10	N	200	100	N	20	200	150	N
RLT0754	N	7	N	200	70	N	30	N	150	N
RLT0757	N	10	N	<100	700	N	30	500	200	N
RLT0760	N	5	N	<100	30	N	15	N	150	N
RLT0766	N	<5	N	<100	20	N	20	N	150	N
RLT0769	N	7	N	<100	50	N	30	N	150	N
RLT0772	N	7	N	<100	20	N	20	N	150	N
RLT0775	N	7	N	<100	30	N	20	200	200	N
RLT0778	N	7	N	<100	10	N	30	N	150	N
RLT0781	N	7	N	N	20	N	30	<200	150	N
RLT0784	N	10	N	<100	70	N	30	<200	150	N
RLT0787	N	7	N	<100	30	N	15	<200	150	N
RLT0790	N	5	N	N	10	N	15	N	100	N
RLT0793	N	5	N	N	20	N	20	N	150	N
RLT0799	N	7	N	150	50	N	20	300	150	N
RLT0802	N	5	N	100	30	N	20	N	150	N
RLT0805	N	7	N	150	20	N	30	300	300	N
RLT0808	N	7	N	<100	20	N	20	500	150	N
RLT0811	N	7	N	150	20	N	20	300	150	N
RLT0814	N	5	N	<100	20	N	50	N	150	N
RLT0817	N	5	N	N	100	N	20	N	200	N
RLT0820	N	7	N	100	30	N	30	N	150	N
RLT0823	N	7	N	<100	20	N	20	N	150	N
RLT0826	N	7	N	<100	20	N	30	N	150	N
RLT0829	N	5	N	<100	30	N	20	<200	200	N
RLT0832	N	10	N	100	70	N	20	N	150	N
RLT0835	N	5	N	<100	20	N	20	N	150	N
RLT0838	N	10	N	200	70	N	50	N	200	N
RLT0841	N	5	N	<100	20	N	30	N	150	N
RLT0844	N	5	N	100	50	N	20	N	100	N
RLT0847	N	20	N	150	70	N	30	N	100	N
RLT0850	N	30	N	150	70	N	50	N	70	N
RLT0853	N	30	<10	200	100	N	30	N	70	N
RLT0856	<100	50	<10	200	150	N	50	<200	100	N
RLT0859	N	30	<10	300	150	N	30	300	70	N
RLT0862	N	20	<10	300	100	N	30	200	100	N
RLT0868	N	20	<10	300	100	N	50	N	70	N
RLT0871	N	20	<10	150	70	N	50	N	70	N
RLT0874	N	30	<10	150	50	N	70	N	100	N
RLT0877	N	20	<10	100	70	N	30	N	70	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
RLT0880	31 5 43	111 16 53	1.0	.70	.70	.20	2,000	<.5	N	N	10	1,500
RLT0883	31 5 50	111 17 3	1.0	.70	.50	.20	1,500	.5	N	N	70	700
RLT0886	31 5 13	111 17 3	1.5	.70	.70	.20	1,500	<.5	N	N	70	700
RLT0889	31 4 54	111 16 56	1.5	.70	1.00	.20	2,000	.5	N	N	100	700
RLT0892	31 4 37	111 16 52	2.0	1.00	.70	.20	3,000	<.5	N	N	300	1,500
RLT0895	31 3 17	111 14 15	1.5	.70	1.00	.15	1,500	.5	N	N	10	1,500
RLT0898	31 3 17	111 14 10	1.5	.70	.70	.20	2,000	<.5	N	N	<10	1,000
RLT0901	31 3 9	111 13 42	1.5	.50	.70	.15	2,000	<.5	N	N	<10	1,000
RLT0904	31 3 9	111 13 39	1.0	.30	.50	.15	5,000	<.5	N	N	20	1,000
RLT0907	31 3 14	111 13 16	3.0	.70	.70	.20	2,000	1.0	N	N	150	1,000
RLT0910	31 3 17	111 13 17	1.0	.30	.30	.15	1,500	<.5	<200	N	30	1,000
RLT0913	31 3 14	111 13 31	2.0	.70	.70	.30	>5,000	.5	N	N	70	1,000
RLT0916	31 3 36	111 13 48	1.5	.70	.50	.20	1,000	<.5	N	N	70	1,000
RLT0919	31 3 44	111 14 4	1.0	.70	.20	.15	1,500	<.5	<200	N	20	1,000
RLT0922	31 3 34	111 14 2	1.5	.70	.70	.15	1,500	1.0	N	N	<10	700
RLT0925	31 2 36	111 14 49	1.5	1.50	1.50	.50	2,000	N	N	N	100	700
RLT0928	31 2 34	111 14 46	1.0	1.00	.70	.20	1,000	<.5	N	N	50	1,000
RLT0934	31 1 46	111 15 46	1.5	2.00	1.50	.70	1,500	<.5	N	N	100	700
RLT0937	31 2 4	111 15 13	2.0	1.50	1.50	.50	1,500	<.5	N	N	100	1,000
RLT0940	31 2 18	111 15 14	1.5	1.50	1.50	.50	1,500	<.5	N	N	100	700
RLT0943	31 2 21	111 15 13	1.5	1.50	2.00	.50	1,500	<.5	N	N	150	700
RLT0946	31 2 56	111 15 22	1.5	1.50	1.50	.70	1,500	<.5	N	N	150	1,000
RLT0947	31 2 53	111 15 23	1.5	5.00	3.00	1.00	2,000	<.5	N	N	70	700
RLT0952	31 3 8	111 15 34	1.5	3.00	1.50	1.00	1,500	<.5	N	N	20	1,000
RLT0955	31 3 29	111 15 1	1.5	.70	1.00	.30	2,000	2.0	N	N	50	1,000
RLT0958	31 2 32	111 15 46	1.5	1.50	1.00	.50	1,500	<.5	N	N	70	700
RLT0961	31 2 28	111 15 49	3.0	3.00	2.00	1.00	1,500	<.5	N	N	15	700
RLT0964	31 2 45	111 16 12	3.0	3.00	2.00	1.00	1,500	<.5	N	N	150	700
RLT0967	31 2 48	111 16 22	3.0	3.00	3.00	.70	200	<.5	N	N	70	700
RLT0970	31 2 35	111 16 52	2.0	1.50	1.50	1.00	1,500	<.5	N	N	20	700
RLT0973	31 2 23	111 16 42	2.0	3.00	2.00	1.00	2,000	.5	N	N	70	700
RLT0976	31 2 7	111 17 27	3.0	3.00	3.00	.70	2,000	<.5	N	N	30	700
RLT0979	31 2 2	111 17 32	3.0	2.00	2.00	1.00	2,000	<.5	N	N	50	700
RLT0982	31 1 44	111 17 14	2.0	1.50	1.00	1.50	1,500	<.5	N	N	<10	700
RLT0985	31 1 48	111 17 15	3.0	3.00	2.00	1.00	2,000	<.5	N	N	50	700
RLT0991	31 1 35	111 16 39	3.0	3.00	1.50	1.00	1,500	<.5	N	N	30	700
RLT0994	31 1 58	111 16 3	1.5	1.50	1.50	.50	1,000	<.5	N	N	150	700
RLT0997	31 1 43	111 16 34	3.0	3.00	3.00	1.50	2,000	<.5	N	N	20	500
RLT1000	31 6 41	111 10 4	5.0	3.00	.07	.30	1,500	N	N	N	300	700
RLT1003	31 6 39	111 9 58	1.5	3.00	.05	.20	1,500	<.5	N	N	300	700
RLT1006	31 7 4	111 9 46	1.5	.70	.07	.30	1,500	.5	N	N	300	700
RLT1009	31 6 35	111 9 18	1.5	.50	.07	.50	2,000	<.5	N	N	500	1,000
RLT1012	31 6 33	111 9 21	2.0	.70	.05	.20	1,500	<.5	N	N	30	700
RLT1015	31 7 0	111 9 11	1.5	1.00	.05	.50	200	<.5	N	N	300	700
RLT1018	31 7 28	111 9 25	7.0	.30	.05	.20	1,500	<.5	N	N	70	700

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
RLT0880	1.0	<10	N	15	50	30	50	<5	N	10	300
RLT0883	1.0	<10	N	10	70	20	30	20	N	50	200
RLT0886	1.5	N	N	7	10	30	50	<5	<20	20	100
RLT0889	1.0	N	N	7	<10	10	30	<5	<20	7	100
RLT0892	1.0	<10	N	10	50	7	30	<5	<20	20	70
RLT0895	1.0	N	N	7	20	7	50	<5	<20	15	100
RLT0898	1.0	N	N	7	<10	10	30	<5	<20	7	300
RLT0901	1.0	<10	N	<5	<10	15	30	<5	N	<5	200
RLT0904	1.0	<10	N	<5	<10	10	30	<5	<20	<5	200
RLT0907	1.0	<10	N	10	10	30	70	7	<20	15	2,000
RLT0910	1.0	N	N	<5	<10	5	50	<5	<20	N	300
RLT0913	1.0	<10	N	5	10	5	70	5	<20	5	300
RLT0916	1.5	N	N	7	10	5	70	5	<20	7	200
RLT0919	1.5	10	N	7	<10	5	30	<5	<20	5	300
RLT0922	1.0	<10	N	5	30	7	30	30	<20	15	500
RLT0925	1.5	<10	N	20	100	20	30	<5	<20	70	50
RLT0928	1.5	N	N	15	50	10	50	<5	<20	30	70
RLT0934	1.5	<10	N	20	150	15	70	<5	<20	50	30
RLT0937	3.0	<10	N	20	100	30	70	5	<20	50	30
RLT0940	1.5	N	N	20	100	30	50	<5	<20	50	100
RLT0943	1.5	<10	N	20	70	50	50	<5	<20	30	50
RLT0946	1.5	<10	N	20	100	20	30	<5	<20	50	100
RLT0947	1.5	N	N	30	200	7	70	<5	<20	70	50
RLT0952	1.5	N	N	30	70	20	50	<5	<20	50	70
RLT0955	1.5	<10	N	15	10	150	50	10	<20	10	2,000
RLT0958	1.5	N	N	15	50	30	50	<5	<20	30	50
RLT0961	1.5	N	N	20	150	50	70	5	<20	50	50
RLT0964	1.5	N	N	20	200	20	50	7	<20	50	50
RLT0967	1.5	N	N	20	200	30	70	<5	<20	70	70
RLT0970	3.0	N	N	20	100	50	50	<5	<20	30	70
RLT0973	1.5	N	N	20	200	70	30	<5	<20	70	70
RLT0976	1.0	N	N	20	150	30	30	<5	<20	50	50
RLT0979	1.0	N	N	15	150	50	30	<5	<20	70	70
RLT0982	1.5	N	N	15	150	20	70	<5	20	30	50
RLT0985	1.0	N	N	20	200	30	50	5	<20	30	50
RLT0991	2.0	N	N	20	150	50	100	<5	<20	50	30
RLT0994	1.5	<10	N	20	70	10	50	<5	<20	50	50
RLT0997	1.0	N	N	20	300	50	50	<5	<20	50	20
RLT1000	1.0	<10	N	<5	<10	15	50	5	<20	30	70
RLT1003	1.0	N	N	10	<10	50	50	<5	<20	<5	70
RLT1006	1.5	<10	N	10	<10	100	70	10	<20	<5	100
RLT1009	1.0	<10	N	15	<10	50	50	10	<20	<5	10
RLT1012	1.0	N	N	<5	<10	20	50	5	<20	5	70
RLT1015	1.0	<10	N	15	30	100	70	15	<20	<5	100
RLT1018	1.0	N	N	<5	<10	30	70	<5	<20	5	70

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
RLT0880	N	20	<10	300	70	N	30	200	70	N
RLT0883	N	30	<10	150	70	N	30	<200	100	N
RLT0886	N	7	N	300	70	N	30	N	150	N
RLT0889	N	7	<10	300	100	N	50	N	70	N
RLT0892	N	7	<10	200	70	N	100	N	300	N
RLT0895	N	7	N	200	70	N	30	<200	70	N
RLT0898	N	7	N	150	100	N	50	N	70	N
RLT0901	N	5	N	150	70	N	30	<200	70	N
RLT0904	N	5	N	100	30	N	50	N	70	N
RLT0907	N	7	<10	150	70	N	70	500	70	N
RLT0910	N	5	N	100	30	N	50	<200	100	N
RLT0913	<100	7	<10	150	70	<50	150	<200	300	N
RLT0916	N	7	<10	200	50	N	100	N	100	N
RLT0919	N	7	<10	200	50	N	30	<200	70	N
RLT0922	N	15	N	200	70	N	30	300	100	N
RLT0925	N	7	<10	500	150	N	50	N	100	N
RLT0928	N	10	N	300	70	N	50	N	100	N
RLT0934	N	10	<10	300	100	N	70	N	100	N
RLT0937	N	10	<10	500	150	N	50	N	100	N
RLT0940	N	10	<10	300	100	N	70	<200	100	N
RLT0943	N	10	<10	300	100	N	70	N	100	N
RLT0946	N	10	<10	300	100	N	100	N	150	N
RLT0947	<100	20	<10	700	100	N	70	<200	100	N
RLT0952	N	10	<10	500	150	N	70	N	100	N
RLT0955	N	7	N	300	100	N	50	<200	200	N
RLT0958	N	7	N	300	200	N	50	N	200	N
RLT0961	<100	10	<10	700	200	N	50	N	200	N
RLT0964	<100	7	<10	700	150	N	70	N	200	N
RLT0967	<100	10	<10	700	150	N	70	200	200	N
RLT0970	N	10	<10	200	150	N	70	<200	300	N
RLT0973	<100	10	<10	500	150	N	50	200	200	N
RLT0976	<100	10	<10	500	150	N	50	<200	200	N
RLT0979	N	7	<10	500	150	N	50	N	300	N
RLT0982	<100	7	10	300	150	N	100	<200	200	N
RLT0985	N	7	<10	500	150	N	70	200	200	N
RLT0991	N	10	<10	300	150	N	70	<200	200	N
RLT0994	N	10	<10	300	150	N	100	N	100	N
RLT0997	N	5	10	300	200	N	50	200	200	N
RLT1000	N	5	N	<100	20	N	50	<200	200	N
RLT1003	N	7	N	<100	20	N	50	<200	200	N
RLT1006	N	7	<10	100	50	<50	70	200	200	N
RLT1009	N	<5	<10	100	50	N	30	<200	200	N
RLT1012	N	5	N	<100	30	N	50	N	300	N
RLT1015	N	<5	10	100	100	N	50	200	300	N
RLT1018	N	5	N	<100	30	<50	50	<200	70	N

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm
			s	s	s	s	s	s	s	s	s	s
RLT1021	31 7 30	111 9 23	1.0	1.00	.05	.20	2,000	.5	N	N	30	700
RLT1024	31 6 51	111 6 12	2.0	.70	.15	.20	1,500	<.5	N	N	700	1,000
RLT1026	31 6 45	111 6 9	3.0	.70	.07	.20	2,000	<.5	N	N	1,000	1,000
RLT1028	31 6 8	111 6 23	2.0	.50	.07	.20	1,500	.5	N	N	700	1,000
RLT1030	31 5 45	111 6 12	1.5	.50	.15	.15	1,000	<.5	N	N	500	1,500
RLT1032	31 5 41	111 6 9	1.5	.50	.15	.15	1,500	<.5	N	N	200	700
RLT1034	31 5 56	111 5 56	1.5	.50	.10	.10	1,500	<.5	N	N	150	1,000
RLT1036	31 6 15	111 5 25	2.0	.50	.10	.30	2,000	<.5	N	N	150	1,000
RLT1038	31 5 36	111 5 27	1.5	.30	.20	.15	1,500	<.5	N	N	100	700
RLT1040	31 5 22	111 5 7	1.5	.30	.15	.15	1,500	<.5	N	N	70	1,000
RLT1042	31 5 19	111 5 1	1.5	.50	.30	.15	2,000	<.5	N	N	70	1,000
RLT1044	31 5 4	111 4 14	1.5	.30	.15	.15	1,500	<.5	N	N	150	700
RLT1046	31 4 55	111 4 33	1.5	.30	.07	.20	1,500	<.5	N	N	150	1,000
RLT1048	31 4 18	111 2 36	1.5	.50	.30	.15	1,000	<.5	N	N	200	1,500
RLT1050	31 4 17	111 3 59	1.5	.30	.10	.15	1,000	<.5	N	N	70	700
RLT1052	31 4 36	111 3 47	2.0	.50	.15	.15	2,000	<.5	N	N	70	1,000
RLT1054	31 4 44	111 3 36	1.0	.50	.15	.10	1,500	<.5	N	N	1,000	700
RLT1056	31 4 32	111 4 0	1.5	.30	.10	.20	1,000	<.5	N	N	700	1,000
RLT1221	31 4 18	111 7 6	2.0	.50	.15	.30	1,500	<.5	N	N	200	1,500
RLT1223	31 4 21	111 6 35	1.5	.70	.10	.20	1,000	.5	N	N	1,500	1,500
RLT1225	31 4 16	111 6 30	1.0	.50	.10	.15	1,000	<.5	N	N	500	1,500
RLT1227	31 3 55	111 6 7	2.0	.70	.20	.30	1,500	<.5	N	N	300	1,000
RLT1229	31 3 58	111 6 9	2.0	.70	.20	.20	1,500	<.5	N	N	200	1,500
RLT1231	31 3 24	111 6 8	1.5	.50	.20	.15	1,000	<.5	N	N	150	1,500
RLT1233	31 3 22	111 6 19	2.0	1.00	.20	.20	1,500	<.5	N	N	70	2,000
RLT1235	31 3 38	111 5 54	1.5	.70	.07	.20	1,500	.7	N	N	500	1,500
RLT1237	31 3 53	111 5 5	1.5	.70	.05	.15	1,500	.5	N	N	500	1,000

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
RLT1021	1.0	<10	N	<5	<10	20	30	<5	<20	<5	300
RLT1024	1.5	<10	N	7	<10	70	20	<5	<20	5	300
RLT1026	2.0	<10	N	15	<10	100	30	20	<20	7	300
RLT1028	1.5	N	N	<5	<10	30	20	5	<20	<5	300
RLT1030	2.0	N	N	10	<10	30	70	<5	<20	7	100
RLT1032	2.0	N	N	7	10	15	150	<5	<20	10	200
RLT1034	2.0	N	N	<5	<10	20	200	<5	<20	5	300
RLT1036	2.0	N	N	10	10	50	70	<5	<20	7	300
RLT1038	3.0	N	N	5	<10	50	200	<5	<20	7	200
RLT1040	3.0	N	N	5	10	30	100	<5	<20	10	200
RLT1042	2.0	<10	N	7	<10	30	150	<5	<20	5	500
RLT1044	2.0	<10	N	5	<10	30	70	<5	<20	5	100
RLT1046	1.5	<10	N	7	<10	20	50	7	<20	5	300
RLT1048	1.5	N	N	10	<10	30	50	10	<20	<5	200
RLT1050	2.0	N	N	5	10	20	70	<5	<20	7	150
RLT1052	2.0	<10	N	5	<10	20	70	<5	<20	5	200
RLT1054	3.0	N	N	<5	<10	30	150	<5	<20	7	300
RLT1056	1.5	N	N	5	<10	30	100	5	<20	<5	150
RLT1221	1.5	N	N	10	<10	50	50	10	<20	<5	150
RLT1223	1.5	<10	N	7	<10	30	70	5	<20	<5	200
RLT1225	2.0	<10	N	10	<10	30	20	5	<20	5	100
RLT1227	1.5	<10	N	15	10	50	70	15	<20	<5	200
RLT1229	1.5	<10	N	10	10	50	50	7	<20	<5	300
RLT1231	1.5	N	N	<5	<10	30	150	<5	<20	<5	100
RLT1233	2.0	N	N	15	10	30	70	20	<20	<5	100
RLT1235	1.5	10	N	20	10	70	50	10	<20	<5	200
RLT1237	2.0	10	N	5	<10	70	30	10	<20	<5	300

TABLE 3. Analytical data for -30 mesh stream sediment samples from the El Correo area, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
RLT1021	N	5	N	<100	15	N	50	<200	100	N
RLT1024	N	7	N	100	20	N	50	N	300	N
RLT1026	N	10	N	150	20	N	70	N	300	N
RLT1028	N	5	N	<100	20	N	30	N	200	N
RLT1030	N	7	<10	150	15	N	70	N	200	N
RLT1032	N	5	<10	150	20	N	70	N	100	N
RLT1034	N	5	<10	100	20	N	70	N	100	N
RLT1036	N	5	<10	150	50	N	70	N	300	N
RLT1038	N	7	<10	200	30	N	70	N	300	N
RLT1040	N	7	<10	100	20	N	70	N	200	N
RLT1042	N	5	N	200	20	N	50	N	200	N
RLT1044	N	7	<10	150	20	N	50	N	150	N
RLT1046	N	5	<10	100	20	N	100	N	200	N
RLT1048	N	7	<10	300	70	N	100	N	200	N
RLT1050	N	5	<10	100	30	N	100	N	300	N
RLT1052	N	5	<10	100	15	N	100	N	300	N
RLT1054	N	7	<10	150	20	N	100	N	150	N
RLT1056	N	5	<10	100	30	N	70	N	100	N
RLT1221	N	7	<10	100	20	N	100	N	500	N
RLT1223	N	7	<10	150	30	N	70	N	100	N
RLT1225	N	10	<10	150	20	N	150	N	200	N
RLT1227	N	10	<10	150	30	N	70	N	500	N
RLT1229	N	10	<10	150	30	N	100	N	300	N
RLT1231	N	10	<10	100	20	N	50	N	100	N
RLT1233	N	10	<10	300	30	N	150	N	700	N
RLT1235	N	7	<10	300	50	N	70	N	100	N
RLT1237	N	5	<10	<100	15	N	50	N	100	N

Abbreviations and detection limits

element	symbol	lower limit	upper limit
iron	Fe	.05%	20%
magnesium	Mg	.02%	10%
calcium	Ca	.05%	20%
titanium	Ti	.002%	1%
manganese	Mn	10 ppm	5000 ppm
silver	Ag	.5 ppm	5000 ppm
arsenic	As	200 ppm	10000 ppm
gold	Au	10 ppm	500 ppm
boron	B	10 ppm	2000 ppm
barium	Ba	20 ppm	5000 ppm
beryllium	Be	1 ppm	1000 ppm
bismuth	Bi	10 ppm	1000 ppm
cadmium	Cd	20 ppm	500 ppm
cobalt	Co	5 ppm	2000 ppm
chromium	Cr	10 ppm	5000 ppm
copper	Cu	5 ppm	20000 ppm
lanthanum	La	20 ppm	1000 ppm
molybdenum	Mo	5 ppm	2000 ppm
niobium	Nb	20 ppm	2000 ppm
nickel	Ni	5 ppm	5000 ppm
lead	Pb	10 ppm	20000 ppm
antimony	Sb	100 ppm	10000 ppm
scandium	Sc	5 ppm	1000 ppm
tin	Sn	10 ppm	1000 ppm
strontium	Sr	100 ppm	5000 ppm
vanadium	V	10 ppm	10000 ppm
tungsten	W	50 ppm	10000 ppm
yttrium	Y	10 ppm	500 ppm
zinc	Zn	200 ppm	10000 ppm
zirconium	Zr	10 ppm	50000 ppm
thorium	Th	100 ppm	2000 ppm

l=less than lower limit
n=not detected at lower limit
g=greater than upper limit
b=no value reported
s=spectrographic analysis
cm=wet chemical analysis
aa=atomic absorption analysis
<=less than
>=greater than

ABBREVIATIONS AND DETECTION LIMITS for ... T...

ELEMENT	SYMBOL	LOWER LIMIT	UPPER LIMIT
IRON	Fe	.05%	20%
MAGNESIUM	Mg	.02%	10%
CALCIUM	Ca	.05%	20%
TITANIUM	Ti	.002%	1%
MANGANESE	Mn	10 PPM	5000 PPM
SILVER	Ag	.5 PPM	5000 PPM
ARSENIC	As	200 PPM	10000 PPM
GOLD	Au	10 PPM	500 PPM
BORON	B	10 PPM	2000 PPM
BARIUM	Ba	20 PPM	5000 PPM
BERYLLIUM	Be	1 PPM	1000 PPM
BISMUTH	Bi	10 PPM	1000 PPM
CADMIUM	Cd	20 PPM	500 PPM
COBALT	Co	5 PPM	2000 PPM
CHROMIUM	Cr	10 PPM	5000 PPM
COPPER	Cu	5 PPM	20000 PPM
LANTHANUM	La	20 PPM	1000 PPM
MOLYBDENUM	Mo	5 PPM	2000 PPM
NIOBIUM	Nb	20 PPM	2000 PPM
NICKEL	Ni	5 PPM	5000 PPM
LEAD	Pb	10 PPM	20000 PPM
ANTIMONY	Sb	100 PPM	10000 PPM
SCANDIUM	Sc	5 PPM	1000 PPM
TIN	Sn	10 PPM	1000 PPM
STRONTIUM	Sr	100 PPM	5000 PPM
VANADIUM	V	10 PPM	10000 PPM
TUNGSTEN	W	50 PPM	10000 PPM
YTTRIUM	Y	10 PPM	500 PPM
ZINC	Zn	200 PPM	10000 PPM
ZIRCONIUM	Zr	10 PPM	50000 PPM
THORIUM	Th	100 PPM	2000 PPM

L=LESS THAN LOWER LIMIT
N=NOT DETECTED AT LOWER LIMIT
G=GREATER THAN UPPER LIMIT
B=NO VALUE REPORTED
S=SPECTROGRAPHIC ANALYSIS
<=LESS THAN
>=GREATER THAN

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.

(Abbreviations and detection limits on page #103)

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
ABM0002	31 8 37	111 11 55	1.50	.20	.30	2.0	1,500	<1.0	N	N	500	500
ABM0008	31 8 34	111 12 9	.70	.20	1.50	>2.0	500	<1.0	N	N	50	500
ABM0011	31 8 30	111 12 12	1.00	.20	2.00	>2.0	1,000	N	N	N	150	700
ABM0014	31 8 24	111 12 19	.70	.30	1.00	.5	200	N	N	N	N	700
ABM0017	31 8 14	111 12 19	1.00	.50	10.00	.7	1,000	<1.0	N	50	300	700
ABM0020	31 9 27	111 13 2	5.00	.20	2.00	>2.0	2,000	<1.0	500	N	700	1,000
ABM0023	31 9 23	111 13 5	1.00	.30	.20	2.0	1,500	<1.0	N	N	100	1,500
ABM0026	31 9 16	111 13 21	3.00	.30	.20	>2.0	1,000	N	N	N	200	1,500
ABM0029	31 9 14	111 13 26	2.00	.30	10.00	2.0	>10,000	<1.0	N	N	700	1,000
ABM0032	31 8 20	111 11 20	2.00	.30	.15	2.0	200	<1.0	N	N	500	2,000
ABM0035	31 8 18	111 11 15	.70	.30	.20	>2.0	100	N	N	N	300	700
ABM0038	31 8 11	111 11 21	1.00	.10	.30	>2.0	500	<1.0	N	N	500	1,500
ABM0041	31 8 19	111 11 32	.70	.20	.10	>2.0	100	<1.0	<500	N	700	700
ABM0044	31 8 22	111 11 50	2.00	.10	.50	>2.0	700	<1.0	<500	N	200	700
ABM0047	31 8 9	111 11 46	3.00	.50	2.00	>2.0	3,000	<1.0	N	N	500	1,000
ABM0050	31 7 30	111 11 12	2.00	.30	.70	>2.0	500	N	N	N	500	1,000
ABM0053	31 7 33	111 11 15	2.00	.30	.50	2.0	700	N	N	N	700	500
ABM0056	31 10 48	111 11 6	1.50	.30	.70	>2.0	700	N	N	N	150	500
ABM0059	31 7 53	111 11 12	1.00	.30	.70	>2.0	200	N	N	N	200	500
ABM0062	31 7 51	111 11 25	.70	.20	.50	1.5	1,500	<1.0	N	N	300	200
ABM0065	31 7 53	111 11 35	.20	.20	.20	.7	50	N	N	N	20	200
ABM0068	31 6 24	111 11 18	1.00	.30	1.50	>2.0	300	N	N	N	1,000	2,000
ABM0071	31 6 28	111 11 17	1.50	.20	5.00	>2.0	1,500	N	N	N	1,000	500
ABM0074	31 6 42	111 11 47	2.00	.50	1.50	2.0	3,000	<1.0	N	N	300	1,500
ABM0077	31 6 53	111 12 4	1.50	.30	5.00	>2.0	500	<1.0	N	N	50	500
ABM0080	31 7 5	111 12 20	1.50	.20	1.50	>2.0	500	N	N	N	100	500
ABM0083	31 5 36	111 18 31	10.00	.70	7.00	2.0	>10,000	<1.0	N	N	500	1,500
ABM0086	31 5 31	111 18 30	2.00	.50	7.00	>2.0	5,000	20.0	N	N	300	3,000
ABM0089	31 5 42	111 19 3	1.50	.20	10.00	>2.0	3,000	N	N	N	50	>10,000
ABM0092	31 5 41	111 19 13	1.00	.20	10.00	>2.0	3,000	N	N	N	N	2,000
ABM0095	31 5 17	111 19 43	1.00	.20	10.00	1.0	1,500	20.0	N	N	100	>10,000
ABM0098	31 3 33	111 18 34	3.00	.50	15.00	>2.0	2,000	<1.0	N	N	1,000	10,000
ABM0101	31 3 35	111 18 41	3.00	2.00	10.00	>2.0	3,000	<1.0	N	N	2,000	1,500
ABM0104	31 3 15	111 18 36	2.00	.70	7.00	>2.0	1,500	N	N	N	70	700
ABM0107	31 3 9	111 18 51	10.00	1.50	7.00	>2.0	>10,000	N	N	N	700	200
ABM0110	31 9 45	111 6 51	1.50	.30	1.50	>2.0	3,000	N	N	N	50	3,000
ABM0113	31 9 49	111 6 53	1.50	.20	.70	>2.0	300	N	N	N	30	3,000
ABM0116	31 9 54	111 7 24	1.00	.20	.20	>2.0	700	<1.0	N	N	200	2,000
ABM0119	31 9 47	111 8 10	2.00	.10	.50	>2.0	200	<1.0	<500	N	70	200
ABM0122	31 9 16	111 8 50	2.00	.20	3.00	>2.0	500	N	N	N	50	500
ABM0125	31 9 31	111 7 16	5.00	.15	.70	>2.0	>10,000	<1.0	N	N	70	3,000
ABM0128	31 9 22	111 8 4	1.50	.10	.30	>2.0	200	<1.0	N	N	30	200
ABM0131	31 9 18	111 6 0	1.00	.20	.30	>2.0	200	N	N	N	20	500
ABM0134	31 9 13	111 5 59	2.00	.30	.30	>2.0	300	N	N	N	20	1,500
ABM0137	31 9 19	111 6 22	1.00	.10	.50	>2.0	200	150.0	N	N	20	200

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
ABM0002	5	N	N	N	<20	70	500	N	50	500	3,000
ABM0008	10	100	N	N	<20	150	100	N	N	2,000	500
ABM0011	10	500	N	N	20	200	500	50	N	2,000	30,000
ABM0014	7	<20	500	N	100	100	100	50	N	5,000	2,000
ABM0017	5	2,000	N	N	70	100	200	500	50	1,000	5,000
ABM0020	20	200	N	N	<20	1,000	200	N	50	500	20,000
ABM0023	20	500	N	N	<20	1,500	100	5,000	<50	10,000	50,000
ABM0026	10	70	N	N	<20	200	1,000	3,000	70	700	50,000
ABM0029	10	20	N	<10	N	200	500	100	<50	500	50,000
ABM0032	10	70	N	N	<20	200	200	70	<50	5,000	3,000
ABM0035	7	50	N	N	50	150	500	N	50	5,000	15,000
ABM0038	15	300	N	N	<20	200	100	50	50	2,000	10,000
ABM0041	15	<20	N	N	<20	150	200	200	50	10,000	1,000
ABM0044	10	300	N	N	<20	150	200	1,500	<50	7,000	30,000
ABM0047	15	200	N	N	20	70	200	N	<50	2,000	20,000
ABM0050	7	N	N	N	70	500	100	70	<50	2,000	3,000
ABM0053	2	1,500	N	N	<20	70	200	N	70	200	300
ABM0056	7	70	N	N	20	200	100	70	N	5,000	7,000
ABM0059	7	200	N	N	50	100	200	70	<50	5,000	50,000
ABM0062	5	20	N	<10	<20	1,000	<50	N	50	2,000	3,000
ABM0065	15	150	1,000	N	<20	150	1,000	1,500	N	>10,000	50,000
ABM0068	5	150	N	N	100	200	200	100	N	2,000	15,000
ABM0071	2	N	N	N	100	150	500	N	70	1,000	300
ABM0074	5	200	N	N	<20	200	<50	20	70	5,000	2,000
ABM0077	10	<20	N	N	50	70	100	N	50	2,000	500
ABM0080	7	50	N	N	50	150	500	N	70	1,000	3,000
ABM0083	10	50	N	20	50	200	500	50	70	3,000	3,000
ABM0086	70	70	N	N	50	200	300	50	150	1,500	15,000
ABM0089	2	N	N	N	70	200	300	1,000	50	1,500	15,000
ABM0092	N	N	N	N	20	70	1,000	700	N	500	15,000
ABM0095	30	N	N	N	50	200	200	500	70	1,500	50,000
ABM0098	10	700	N	N	30	100	1,000	50	100	1,000	1,000
ABM0101	10	<20	N	N	1,000	150	300	20	50	3,000	1,000
ABM0104	15	20	N	N	50	100	200	50	100	2,000	1,500
ABM0107	2	N	N	N	<20	100	500	20	50	500	700
ABM0110	70	N	N	N	50	70	1,000	50	70	5,000	1,000
ABM0113	15	N	N	N	<20	150	1,000	N	N	5,000	200
ABM0116	50	150	N	N	<20	50	2,000	N	150	10,000	200
ABM0119	20	<20	N	N	<20	70	100	N	<50	5,000	150
ABM0122	150	N	N	N	100	70	700	N	N	2,000	500
ABM0125	30	100	N	N	<20	150	500	N	<50	7,000	5,000
ABM0128	20	N	N	N	<20	50	700	N	<50	10,000	150
ABM0131	10	300	N	N	100	70	200	N	N	2,000	500
ABM0134	10	20	N	N	<20	100	500	N	N	2,000	500
ABM0137	20	150	N	N	<20	50	200	N	<50	5,000	150

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
ABM0002	N	200	N	N	300	N	500	N	>2,000	
ABM0008	N	200	N	N	200	N	200	<500	>2,000	N
ABM0011	N	>200	200	N	3,000	N	>1,000	N	>2,000	
ABM0014	N	>200	N	N	150	N	>1,000	N	1,500	N
ABM0017	N	200	N	1,000	200	N	500	<500	>2,000	
ABM0020	N	200	50	N	2,000	N	>1,000	<500	>2,000	
ABM0023	N	>200	N	N	10,000	N	>1,000	N	>2,000	
ABM0026	N	200	50	1,500	70	N	>1,000	N	>2,000	
ABM0029	N	200	>2,000	N	50	200	500	1,000	>2,000	
ABM0032	N	>200	20	200	100	N	>1,000	N	>2,000	
ABM0035	N	>200	50	200	100	N	>1,000	N	>2,000	N
ABM0038	N	200	50	200	300	N	>1,000	<500	>2,000	N
ABM0041	N	>200	>2,000	N	100	<100	>1,000	<500	>2,000	N
ABM0044	N	200	20	N	100	N	>1,000	<500	>2,000	N
ABM0047	N	200	>2,000	2,000	1,000	N	>1,000	<500	>2,000	N
ABM0050	N	>200	50	N	150	N	>1,000	N	>2,000	N
ABM0053	N	50	N	N	20	N	500	N	>2,000	N
ABM0056	N	>200	100	N	700	N	>1,000	N	>2,000	N
ABM0059	N	>200	300	N	1,500	N	>1,000	N	>2,000	2,000
ABM0062	N	200	N	N	2,000	N	>1,000	N	>2,000	N
ABM0065	N	>200	2,000	N	3,000	N	>1,000	N	>2,000	N
ABM0068	N	>200	50	200	200	N	>1,000	N	>2,000	N
ABM0071	N	200	500	N	20	100	500	N	>2,000	N
ABM0074	N	200	N	<200	100	N	>1,000	N	>2,000	N
ABM0077	N	200	N	N	150	N	500	<500	>2,000	N
ABM0080	N	200	70	300	20	100	>1,000	N	>2,000	1,000
ABM0083	N	200	N	200	200	700	500	2,000	>2,000	N
ABM0086	N	>200	N	N	1,000	700	>1,000	5,000	>2,000	N
ABM0089	N	>200	N	300	700	100	>1,000	N	>2,000	N
ABM0092	N	200	N	200	50	N	>1,000	20,000	>2,000	N
ABM0095	N	>200	N	300	7,000	1,500	>1,000	5,000	>2,000	N
ABM0098	N	200	N	200	150	700	>1,000	20,000	>2,000	N
ABM0101	<200	70	N	200	200	N	200	1,000	>2,000	N
ABM0104	N	200	N	200	150	N	>1,000	2,000	>2,000	N
ABM0107	N	200	N	500	200	N	>1,000	1,000	>2,000	N
ABM0110	N	>200	30	300	100	N	>1,000	N	>2,000	N
ABM0113	N	>200	N	300	70	N	>1,000	N	>2,000	N
ABM0116	N	>200	N	N	20	N	>1,000	N	>2,000	N
ABM0119	N	>200	50	300	150	N	>1,000	<500	>2,000	N
ABM0122	N	>200	N	300	150	N	>1,000	N	>2,000	N
ABM0125	N	>200	N	500	100	N	>1,000	<500	>2,000	N
ABM0128	N	>200	700	N	100	N	>1,000	<500	>2,000	N
ABM0131	N	>200	300	N	70	N	>1,000	N	>2,000	N
ABM0134	N	>200	300	N	300	N	>1,000	N	>2,000	N
ABM0137	N	>200	500	N	100	N	>1,000	<500	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
ABM0140	31 9 8	111 7 15	.20	.10	.20	>2.0	150	<1.0	N	N	N	200
ABM0143	31 8 44	111 8 7	.70	.20	.20	2.0	150	<1.0	N	N	N	200
ABM0147	31 7 58	111 6 59	2.00	.50	7.00	>2.0	500	<1.0	N	N	20	500
ABM0150	31 8 4	111 7 16	.20	.30	1.50	2.0	500	<1.0	N	N	50	500
ABM0153	31 8 12	111 7 40	.70	.50	10.00	>2.0	500	<1.0	N	N	100	7,000
ABM0159	31 8 23	111 8 17	3.00	.70	3.00	>2.0	500	<1.0	N	N	1,000	500
ABM0162	31 8 28	111 8 35	1.50	.20	.70	2.0	5,000	<1.0	N	N	500	2,000
ABM0163	31 8 37	111 9 9	5.00	.70	2.00	>2.0	1,000	N	N	N	1,000	2,000
FGG0005	31 6 9	111 18 28	10.00	.50	10.00	.7	10,000	<1.0	N	N	50	>10,000
FGG0008	31 6 16	111 18 58	2.00	.20	7.00	2.0	>10,000	<1.0	N	N	50	>10,000
FGG0011	31 4 19	111 19 15	7.00	1.00	7.00	>2.0	10,000	<1.0	N	N	300	2,000
FGG0014	31 4 18	111 19 11	.20	7.00	5.00	2.0	10,000	<1.0	N	N	300	700
FGG0017	31 3 34	111 19 14	10.00	.70	7.00	>2.0	>10,000	<1.0	N	N	700	500
FGG0020	31 3 12	111 19 18	7.00	1.50	15.00	>2.0	10,000	<1.0	N	N	1,000	500
FGG0023	31 3 7	111 17 51	.70	.15	10.00	>2.0	500	<1.0	N	N	20	10,000
FGG0026	31 3 4	111 17 55	7.00	.70	5.00	2.0	10,000	<1.0	N	N	700	<50
FGG0029	31 2 51	111 17 56	.50	.50	1.50	1.0	2,000	<1.0	N	N	20	700
FGG0032	31 2 46	111 17 51	10.00	1.50	.70	2.0	2,000	<1.0	N	N	20	1,000
FGG0035	31 2 25	111 18 17	.50	.30	1.50	1.0	200	<1.0	N	N	100	500
FGG0038	31 2 19	111 18 31	2.00	.70	10.00	>2.0	1,000	N	N	N	N	2,000
FGG0041	31 11 35	111 11 53	10.00	1.00	5.00	>2.0	7,000	<1.0	N	N	200	1,500
FGG0044	31 11 27	111 12 3	15.00	.50	10.00	>2.0	3,000	<1.0	N	N	100	1,000
FGG0047	31 11 17	111 11 52	10.00	.70	7.00	>2.0	5,000	<1.0	N	N	100	700
FGG0050	31 11 25	111 10 52	20.00	.20	.10	>2.0	10,000	<1.0	N	N	300	3,000
FGG0053	31 11 11	111 10 51	3.00	.70	5.00	>2.0	2,000	<1.0	N	N	100	1,000
FGG0056	31 10 55	111 10 37	15.00	.50	5.00	>2.0	5,000	<1.0	N	N	200	1,500
FGG0059	31 10 50	111 10 48	15.00	.70	7.00	>2.0	10,000	<1.0	N	N	150	3,000
FGG0062	31 11 35	111 11 57	10.00	1.00	7.00	>2.0	10,000	<1.0	N	N	150	1,500
FGG0064	31 9 53	111 11 21	2.00	.30	1.00	>2.0	500	N	N	N	70	700
FGG0067	31 9 51	111 10 51	1.00	.15	.70	>2.0	200	N	N	N	70	2,000
FGG0070	31 9 47	111 10 51	.50	.30	.30	>2.0	200	N	N	N	150	1,000
FGG0073	31 9 23	111 10 48	.20	.10	.30	>2.0	500	<1.0	N	N	500	1,000
HNB0002	31 8 56	111 14 54	7.00	.70	3.00	>2.0	7,000	<1.0	N	N	200	5,000
HNB0005	31 8 20	111 15 8	20.00	.30	7.00	>2.0	>10,000	<1.0	N	N	2,000	2,000
HNB0008	31 8 1	111 15 12	1.50	.20	3.00	>2.0	300	<1.0	N	N	20	1,000
HNB0011	31 7 56	111 14 50	1.50	.10	3.00	>2.0	500	<1.0	N	N	N	700
HNB0014	31 7 42	111 14 49	10.00	.30	5.00	>2.0	>10,000	<1.0	N	N	1,000	1,000
HNB0017	31 7 59	111 15 44	1.50	.30	7.00	>2.0	1,500	<1.0	N	N	20	700
HNB0021	31 8 17	111 17 7	1.50	.20	5.00	>2.0	1,000	<1.0	N	N	20	200
HNB0027	31 7 27	111 15 43	1.50	.15	7.00	>2.0	300	<1.0	N	N	N	500
HNB0030	31 7 30	111 16 13	2.00	1.00	3.00	2.0	3,000	<1.0	N	N	200	2,000
HNB0033	31 7 52	111 17 45	1.50	.30	10.00	>2.0	1,000	<1.0	N	N	200	700
HNB0036	31 7 28	111 18 34	1.50	1.00	10.00	2.0	2,000	<1.0	N	N	30	500
HNB0042	31 6 37	111 19 1	.70	.07	10.00	>2.0	700	<1.0	N	N	N	>10,000
HNB0045	31 6 43	111 19 56	1.50	.50	10.00	>2.0	1,500	<1.0	N	N	300	>10,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
ABM0140	20	500	N	<10	<20	150	200	N	50	3,000	3,000
ABM0143	20	300	N	N	<20	10	<50	N	<50	>10,000	150
ABM0147	2	N	N	N	50	20	1,000	N	70	300	150
ABM0150	70	N	N	N	50	50	1,000	N	N	700	100
ABM0153	70	20	N	N	50	50	700	50	50	500	700
ABM0159	100	N	N	N	<20	70	700	N	100	200	200
ABM0162	7	N	N	N	<20	70	<50	N	100	1,000	200
ABM0163	7	N	N	N	50	100	700	N	70	200	2,000
FGG0005	N	2,000	N	10	200	50	200	1,500	N	500	30,000
FGG0008	2	N	N	N	50	200	500	1,500	70	500	>50,000
FGG0011	15	N	N	10	200	50	200	N	70	700	200
FGG0014	30	50	N	20	<20	70	100	50	N	500	200
FGG0017	10	N	N	20	200	70	200	N	70	700	200
FGG0020	15	N	N	20	150	50	500	N	50	500	300
FGG0023	7	100	N	N	<20	500	500	3,000	100	700	>50,000
FGG0026	10	70	N	10	70	100	700	50	100	500	1,500
FGG0029	5	N	N	N	50	100	500	N	N	100	200
FGG0032	7	N	N	20	150	70	100	N	50	200	150
FGG0035	5	N	N	N	70	50	500	100	<50	200	2,000
FGG0038	5	N	N	N	20	20	700	70	50	200	200
FGG0041	200	N	N	20	50	150	200	N	<50	700	500
FGG0044	7	N	N	50	100	100	500	N	70	500	150
FGG0047	5	N	N	70	50	50	500	50	70	500	20,000
FGG0050	30	20	N	N	<20	700	300	50	N	2,000	1,500
FGG0053	5	N	N	10	150	100	700	N	<50	1,000	500
FGG0056	7	N	N	10	50	20	500	N	<50	1,000	200
FGG0059	7	N	N	20	50	70	500	N	<50	500	150
FGG0062	5	N	N	50	50	200	300	10	50	300	300
FGG0064	15	N	N	N	<20	20	500	N	<50	3,000	500
FGG0067	15	50	N	N	<20	20	500	N	70	5,000	200
FGG0070	15	100	N	N	<20	20	200	50	70	5,000	500
FGG0073	10	N	N	N	20	70	200	200	50	2,000	1,500
HNB0002	15	<20	N	N	<20	100	500	20	70	150	3,000
HNB0005	10	50	N	50	100	500	200	70	70	1,000	1,500
HNB0008	N	20	N	N	50	50	300	50	50	1,500	2,000
HNB0011	2	300	N	N	<20	100	150	50	70	2,000	10,000
HNB0014	10	50	N	20	100	300	<50	>5,000	<50	10,000	>50,000
HNB0017	5	50	N	<10	70	100	200	N	50	5,000	1,500
HNB0021	7	20	N	N	50	50	N	1,500	100	1,500	50,000
HNB0027	2	100	N	N	<20	100	150	50	50	2,000	30,000
HNB0030	7	N	N	<10	50	70	<50	50	<50	300	1,500
HNB0033	50	700	N	N	30	150	300	200	50	2,000	10,000
HNB0036	5	N	N	<10	150	100	500	50	<50	1,000	2,000
HNB0042	N	N	N	N	<20	100	200	70	70	700	6,000
HNB0045	15	N	N	<10	100	150	<50	2,000	100	1,500	10,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
ABM0140	N	>200	70	N	1,500	N	>1,000	N	>2,000	N
ABM0143	N	>200	N	N	20	N	>1,000	N	>2,000	N
ABM0147	N	150	N	N	100	N	500	N	>2,000	N
ABM0150	N	100	N	200	50	N	>1,000	N	>2,000	N
ABM0153	N	150	N	N	100	N	>1,000	N	>2,000	N
ABM0159	N	150	50	N	50	100	500	N	>2,000	N
ABM0162	N	100	20	N	50	N	500	N	>2,000	N
ABM0163	N	200	70	N	70	100	>1,000	N	>2,000	N
FGG0005	N	70	N	500	7,000	10,000	150	N	>2,000	N
FGG0008	N	200	N	2,000	10,000	300	>1,000	<500	>2,000	N
FGG0011	N	150	N	200	200	N	500	10,000	>2,000	N
FGG0014	N	100	N	500	300	200	200	5,000	>2,000	N
FGG0017	N	150	N	500	200	N	300	10,000	>2,000	N
FGG0020	N	200	N	500	200	N	500	20,000	>2,000	N
FGG0023	N	>200	N	500	5,000	7,000	>1,000	15,000	>2,000	N
FGG0026	N	200	N	700	200	700	500	20,000	>2,000	N
FGG0029	N	30	N	500	100	N	500	N	>2,000	N
FGG0032	N	70	N	700	150	N	200	N	>2,000	N
FGG0035	N	70	N	300	100	300	>1,000	N	>2,000	N
FGG0038	N	200	50	N	70	500	500	1,000	>2,000	N
FGG0041	N	100	N	500	200	N	500	N	>2,000	N
FGG0044	N	200	N	500	200	N	>1,000	N	>2,000	N
FGG0047	N	200	N	300	300	N	>1,000	N	>2,000	N
FGG0050	N	>200	N	500	70	N	>1,000	N	>2,000	N
FGG0053	N	200	N	<200	200	N	200	N	>2,000	N
FGG0056	N	150	20	500	200	N	>1,000	N	>2,000	N
FGG0059	N	200	20	500	200	N	200	N	>2,000	N
FGG0062	N	200	N	500	200	N	500	N	>2,000	N
FGG0064	N	>200	50	N	100	N	>1,000	N	>2,000	N
FGG0067	N	>200	70	N	70	N	>1,000	N	>2,000	N
FGG0070	N	>200	N	N	70	N	>1,000	N	>2,000	N
FGG0073	N	>200	N	N	200	200	>1,000	N	>2,000	N
HNB0002	N	100	<20	700	70	<100	500	<500	>2,000	N
HNB0005	N	200	N	500	70	700	500	<500	>2,000	N
HNB0008	N	200	20	N	200	<100	200	N	>2,000	N
HNB0011	N	200	20	N	300	<100	300	N	>2,000	N
HNB0014	N	>200	N	300	15,000	700	>1,000	<500	>2,000	N
HNB0017	N	>200	50	200	200	<100	>1,000	<500	>2,000	N
HNB0021	N	>200	N	N	1,000	100	>1,000	N	>2,000	N
HNB0027	N	>200	N	200	700	200	>1,000	N	>2,000	N
HNB0030	N	30	N	N	200	700	100	<500	>2,000	N
HNB0033	N	200	N	200	500	300	>1,000	N	>2,000	N
HNB0036	N	30	N	200	200	N	>1,000	<500	>2,000	N
HNB0042	N	200	30	700	1,000	700	>1,000	2,000	>2,000	N
HNB0045	N	200	50	300	700	5,000	500	<500	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
HN80048	31 6 28	111 20 14	2.00	.30	15.00	>2.0	2,000	<1.0	N	N	70	5,0
HN80051	31 6 55	111 13 26	1.50	.15	5.00	>2.0	500	<1.0	N	N	50	
HN80054	31 6 50	111 13 2	1.00	.15	3.00	>2.0	300	<1.0	N	N	100	2,0
HN80057	31 6 46	111 12 59	1.50	.50	.50	>2.0	1,500	<1.0	N	N	50	2,0
HN80060	31 6 43	111 12 58	3.00	.30	10.00	>2.0	1,000	<1.0	N	N	50	1,0
HN80063	31 6 26	111 13 5	7.00	.70	7.00	>2.0	>10,000	<1.0	N	N	300	5,0
HN80072	31 8 56	111 14 54	10.00	.20	5.00	2.0	>10,000	<1.0	N	N	100	1,5
HN80075	31 8 24	111 14 59	.50	.20	1.00	.5	10,000	<1.0	N	N	100	7
HN80081	31 8 27	111 13 50	.30	.10	7.00	1.5	200	<1.0	N	N	70	2
HN80084	31 8 6	111 14 20	10.00	.70	5.00	2.0	>10,000	<1.0	N	N	1,000	2,0
HN80087	31 7 52	111 14 29	1.50	.10	5.00	>2.0	500	<1.0	N	N	50	5
HN80090	31 5 34	111 10 26	2.00	.20	.50	>2.0	3,000	<1.0	N	N	500	5
HN80093	31 5 37	111 10 28	1.00	3.00	1.50	1.0	1,500	<1.0	N	N	50	1,0
HN80096	31 5 33	111 11 25	.50	.05	.10	>2.0	100	<1.0	N	N	50	7
HN80099	31 5 32	111 11 35	1.00	.30	.50	>2.0	200	<1.0	N	N	70	7
HN80105	31 5 8	111 12 30	1.50	.20	.30	>2.0	300	<1.0	N	N	1,000	5
HN80111	31 5 10	111 13 10	.70	.10	1.00	>2.0	200	<1.0	N	<20	100	10,0
HN80114	31 4 21	111 17 15	1.00	.15	7.00	>2.0	1,000	<1.0	N	N	N	10,0
HN80120	31 4 14	111 17 8	2.00	.70	5.00	2.0	3,000	<1.0	N	N	70	5
HN80122	31 4 18	111 17 29	.70	.10	15.00	>2.0	1,000	<1.0	N	N	N	10,0
HN80125	31 3 38	111 17 49	.20	.20	3.00	2.0	1,000	N	N	N	N	5,0
HN80128	31 3 56	111 17 17	.50	.10	.30	2.0	700	<1.0	N	N	50	7,0
HN80131	31 3 59	111 17 16	1.50	.30	10.00	>2.0	2,000	<1.0	N	N	30	>10,0
HN80132	31 8 30	111 14 22	2.00	.50	.50	1.5	>10,000	30.0	N	N	700	3,0
HN80135	31 8 35	111 14 20	.70	.70	.70	1.0	3,000	<1.0	N	N	200	3,0
HN80138	31 8 51	111 14 43	10.00	1.00	5.00	2.0	>10,000	<1.0	N	N	500	2,0
HN80144	31 7 56	111 12 30	.20	.30	1.50	.7	500	<1.0	N	N	20	5
HN80148	31 7 41	111 12 31	2.00	.70	2.00	>2.0	10,000	<1.0	N	N	1,500	1,5
HN80151	31 7 36	111 12 6	3.00	1.00	2.00	.5	>10,000	50.0	N	N	5,000	1,5
HN80154	31 7 28	111 12 11	20.00	.50	.70	2.0	10,000	<1.0	N	N	700	2
HN80157	31 4 29	111 18 6	.20	.15	3.00	>2.0	500	N	N	N	100	1,5
HN80160	31 4 26	111 18 2	10.00	.50	7.00	>2.0	>10,000	<1.0	N	N	100	7,0
HN80163	31 3 59	111 18 11	1.00	.30	10.00	>2.0	2,000	<1.0	N	N	<20	2
HN80166	31 3 56	111 18 24	1.00	.20	7.00	>2.0	2,000	<1.0	N	N	20	5
HN80169	31 4 46	111 18 30	10.00	.70	7.00	2.0	10,000	<1.0	N	N	300	2,0
HN80172	31 4 50	111 18 37	3.00	.70	5.00	>2.0	3,000	<1.0	N	N	2,000	10,0
HN80175	31 4 15	111 18 38	1.50	.30	7.00	>2.0	2,000	<1.0	N	N	300	2
HN80178	31 4 9	111 18 55	3.00	.70	3.00	>2.0	10,000	N	N	N	70	2
HN80181	31 2 49	111 19 19	5.00	1.00	2.00	>2.0	>10,000	<1.0	N	N	1,000	5
HN80184	31 2 31	111 19 40	1.00	.30	3.00	2.0	1,000	N	N	N	N	2
HN80187	31 2 19	111 19 50	1.00	.20	7.00	>2.0	500	<1.0	N	N	70	7
HN80190	31 9 57	111 8 50	2.00	.20	.70	>2.0	200	<1.0	N	N	70	5
HN80193	31 9 53	111 8 50	1.00	.15	.50	>2.0	700	<1.0	N	N	50	5
HN80196	31 10 2	111 9 9	7.00	.70	.20	>2.0	3,000	<1.0	N	N	100	10,0
HN80199	31 10 17	111 9 24	1.50	.30	.50	>2.0	1,000	<1.0	N	N	50	5

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
HNB0048	15	<20	N	<10	100	50	<50	100	70	500	1,500
HNB0051	2	N	N	N	<20	70	500	20	70	10,000	200
HNB0054	7	N	N	N	20	100	300	100	50	5,000	1,500
HNB0057	5	N	N	N	20	70	150	10	<50	700	500
HNB0060	N	500	N	N	30	70	200	N	70	500	1,500
HNB0063	7	1,000	N	N	70	70	500	1,000	100	500	7,000
HNB0072	10	70	N	20	<20	200	<50	1,500	N	1,500	30,000
HNB0075	10	N	N	20	20	100	150	1,000	N	1,000	50,000
HNB0081	5	N	N	N	<20	70	100	1,500	<50	1,000	30,000
HNB0084	15	500	N	30	20	500	200	200	<50	1,000	50,000
HNB0087	20	300	N	N	<20	200	200	500	50	2,000	50,000
HNB0090	5	N	N	N	<20	70	500	1,500	<50	3,000	2,000
HNB0093	N	70	N	N	<20	100	<50	200	<50	100	3,000
HNB0096	2	N	N	N	<20	150	200	500	<50	10,000	>50,000
HNB0099	7	N	N	N	<20	100	300	N	<50	10,000	150
HNB0105	2	N	N	N	<20	70	500	N	50	3,000	100
HNB0111	5	<20	N	N	<20	200	<50	700	70	7,000	30,000
HNB0114	10	500	N	N	150	150	<50	700	70	2,000	>50,000
HNB0120	100	50	N	N	50	20	<50	500	50	500	100
HNB0122	2	<20	N	N	20	50	500	<10	70	1,000	50,000
HNB0125	N	200	N	N	<20	500	1,000	1,000	50	2,000	30,000
HNB0128	2	N	N	N	<20	10	500	500	50	2,000	50,000
HNB0131	30	50	N	10	<20	70	100	150	70	500	200
HNB0132	20	50	N	50	<20	200	500	300	N	1,000	20,000
HNB0135	7	N	N	10	<20	50	500	N	N	300	3,000
HNB0138	7	N	N	30	<20	100	200	10	N	200	2,000
HNB0144	7	N	N	N	<20	70	<50	N	N	3,000	500
HNB0148	10	N	N	N	<20	100	200	50	N	1,500	3,000
HNB0151	15	50	N	30	<20	1,000	100	2,000	N	1,000	30,000
HNB0154	5	N	N	15	50	100	<50	10	<50	700	300
HNB0157	2	500	N	N	<20	50	300	N	70	3,000	500
HNB0160	N	N	N	N	50	70	200	20	70	700	1,500
HNB0163	5	700	N	N	20	150	500	100	70	500	2,000
HNB0166	10	N	N	N	50	50	200	70	<50	200	700
HNB0169	30	50	N	N	20	50	500	70	N	500	1,500
HNB0172	30	200	N	N	70	200	500	1,000	50	500	15,000
HNB0175	15	N	N	N	30	50	200	70	50	300	100
HNB0178	30	150	N	10	70	50	150	50	70	700	300
HNB0181	20	20	N	20	300	100	700	N	50	500	200
HNB0184	5	20	N	N	<20	20	300	20	70	500	200
HNB0187	10	N	N	N	50	20	500	N	50	1,000	300
HNB0190	15	N	N	N	<20	70	500	N	70	7,000	70
HNB0193	15	N	N	N	150	70	500	N	70	1,500	200
HNB0196	10	N	N	<10	50	100	500	N	<50	1,000	3,000
HNB0199	7	N	N	N	<20	70	500	N	N	1,000	70

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
HNB0048	N	30	500	200	200	700	500	<500	>2,000	N
HNB0051	N	150	N	N	300	100	500	N	>2,000	N
HNB0054	N	>200	20	N	200	100	>1,000	N	>2,000	N
HNB0057	N	70	N	N	70	N	150	N	>2,000	N
HNB0060	N	200	N	200	100	200	500	N	>2,000	N
HNB0063	N	200	N	500	1,000	1,000	>1,000	N	>2,000	N
HNB0072	N	>200	N	500	700	1,000	>1,000	N	>2,000	N
HNB0075	N	200	N	<200	1,000	3,000	200	N	>2,000	N
HNB0081	N	200	N	<200	70	1,000	300	N	>2,000	N
HNB0084	N	200	N	300	3,000	500	300	N	>2,000	N
HNB0087	N	>200	N	700	2,000	150	>1,000	N	>2,000	N
HNB0090	N	>200	N	N	50	N	>1,000	N	>2,000	N
HNB0093	N	20	N	N	100	100	70	N	>2,000	N
HNB0096	N	>200	N	N	7,000	N	>1,000	<500	>2,000	N
HNB0099	N	>200	N	N	50	N	>1,000	N	>2,000	N
HNB0105	N	>200	N	N	50	N	>1,000	N	>2,000	N
HNB0111	N	>200	N	200	700	<100	>1,000	<500	>2,000	N
HNB0114	N	200	N	200	7,000	3,000	500	<500	>2,000	N
HNB0120	N	100	N	500	150	1,000	150	N	>2,000	N
HNB0122	N	200	50	200	5,000	700	>1,000	<500	>2,000	N
HNB0125	N	>200	N	N	2,000	100	>1,000	1,000	>2,000	N
HNB0128	N	>200	N	N	7,000	500	>1,000	N	>2,000	N
HNB0131	N	200	N	500	100	700	500	20,000	>2,000	N
HNB0132	N	200	N	<200	100	2,000	>1,000	N	>2,000	N
HNB0135	N	100	N	1,000	100	100	200	N	>2,000	N
HNB0138	N	70	N	700	200	100	300	N	>2,000	N
HNB0144	N	>200	N	N	100	N	>1,000	N	>2,000	N
HNB0148	N	200	N	N	70	N	500	N	>2,000	N
HNB0151	N	150	1,000	700	700	100	500	N	>2,000	N
HNB0154	N	200	N	<200	150	N	>1,000	N	>2,000	N
HNB0157	N	200	N	N	50	100	500	N	>2,000	N
HNB0160	N	150	N	500	300	300	>1,000	N	>2,000	N
HNB0163	N	100	N	N	200	1,000	>1,000	15,000	>2,000	N
HNB0166	N	100	N	N	150	300	150	1,500	>2,000	N
HNB0169	N	>200	N	500	300	700	500	5,000	>2,000	N
HNB0172	N	200	20	<200	1,500	2,000	500	10,000	>2,000	N
HNB0175	N	70	N	N	150	700	150	2,000	>2,000	N
HNB0178	N	200	N	N	100	N	500	20,000	>2,000	N
HNB0181	N	200	N	500	300	N	500	3,000	>2,000	2,000
HNB0184	N	70	N	N	70	N	200	1,000	>2,000	N
HNB0187	N	100	N	<200	100	N	>1,000	N	>2,000	N
HNB0190	N	>200	20	<200	70	N	>1,000	N	>2,000	N
HNB0193	N	>200	30	N	70	N	>1,000	N	>2,000	N
HNB0196	N	200	N	500	500	N	500	N	>2,000	N
HNB0199	N	150	N	N	70	N	500	N	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
HNB0202	31 10 21	111 9 35	3.00	.30	.70	>2.0	500	<1.0	N	N	20	2,000
HNB0205	31 9 57	111 9 50	2.00	.30	2.00	>2.0	700	<1.0	N	N	70	500
HNB0208	31 9 53	111 9 43	3.00	.20	2.00	>2.0	500	<1.0	N	N	70	3,000
HNB0211	31 10 25	111 16 42	1.50	.15	.50	2.0	150	<1.0	N	N	20	>10,000
HNB0217	31 10 41	111 15 57	1.00	.20	.30	>2.0	100	<1.0	N	N	20	500
HNB0223	31 10 48	111 15 26	.20	<.05	2.00	.7	50	<1.0	N	N	N	200
HNB0229	31 12 12	111 14 28	3.00	.70	1.50	>2.0	1,500	30.0	N	N	3,000	3,000
HNB0232	31 12 7	111 14 22	1.50	.30	1.50	>2.0	200	N	N	N	700	1,000
HNB0235	31 11 33	111 14 2	2.00	.20	1.50	>2.0	500	N	N	N	500	700
HNB0238	31 11 47	111 13 46	1.50	.50	.70	>2.0	150	N	N	N	700	700
HNB0241	31 11 42	111 13 42	1.00	.30	.30	>2.0	200	70.0	N	N	500	2,000
JGF0651	31 8 42	111 14 53	.10	<.05	.70	1.0	150	20.0	N	N	N	>10,000
JGF0654	31 6 28	111 16 44	1.50	.20	2.00	>2.0	700	3.0	N	N	200	1,000
JGF0656	31 6 58	111 17 8	1.50	.30	2.00	>2.0	500	30.0	N	N	70	500
JGF0659	31 7 21	111 17 36	1.50	.50	3.00	>2.0	1,000	10.0	N	N	150	1,000
JGF0663	31 11 23	111 12 1	1.50	.50	2.00	1.0	700	5.0	N	N	70	700
JGF0667	31 11 16	111 11 56	1.50	.50	3.00	1.0	300	3.0	N	N	30	700
JGF0670	31 9 38	111 12 24	2.00	.20	.20	1.0	5,000	7.0	N	N	50	700
JGF0673	31 10 6	111 13 3	.70	.05	.50	>2.0	500	15.0	N	N	30	500
JGF0676	31 11 59	111 12 47	5.00	.30	.20	>2.0	500	10.0	N	N	2,000	2,000
JGF0679	31 12 2	111 12 40	.20	.05	.20	1.0	50	5.0	N	N	500	>10,000
JGF0682	31 11 26	111 12 47	.50	.05	3.00	>2.0	300	10.0	N	N	100	1,000
JGF0685	31 8 59	111 16 1	1.00	.10	5.00	1.0	2,000	10.0	N	N	200	300
JGF0690	31 9 0	111 16 18	.70	.15	5.00	>2.0	150	10.0	N	N	100	200
JGF0693	31 9 5	111 16 39	1.00	.20	5.00	>2.0	200	15.0	N	N	20	200
JGF0696	31 9 21	111 15 54	1.50	.20	2.00	>2.0	150	10.0	N	N	50	1,500
JGF0699	31 9 17	111 15 56	2.00	.20	3.00	>2.0	1,000	10.0	N	N	300	1,000
JGF0706	31 9 43	111 15 14	2.00	.20	2.00	>2.0	200	10.0	N	N	50	700
JGF0709	31 9 56	111 15 3	2.00	.20	2.00	>2.0	200	10.0	N	N	30	300
JGF0711	31 10 12	111 14 36	2.00	.30	2.00	>2.0	1,500	7.0	N	N	200	1,000
JGF0716	31 10 57	111 13 46	2.00	.15	2.00	>2.0	200	10.0	N	N	150	700
JGF0719	31 10 56	111 13 53	2.00	.20	3.00	>2.0	300	10.0	N	N	200	1,000
JGF0722	31 12 2	111 12 28	5.00	.50	2.00	>2.0	2,000	<1.0	700	N	500	>10,000
JGF0725	31 12 6	111 12 25	3.00	.50	3.00	>2.0	300	<1.0	N	N	3,000	>10,000
JGF0728	31 12 17	111 12 27	3.00	.50	5.00	>2.0	500	<1.0	N	N	3,000	>10,000
JGF0731	31 12 21	111 12 30	3.00	.50	2.00	>2.0	300	<1.0	N	N	3,000	>10,000
JGF0734	31 9 34	111 12 19	7.00	.50	5.00	>2.0	5,000	<1.0	N	N	150	2,000
JGF0736	31 9 31	111 12 22	1.50	.70	3.00	>2.0	150	<1.0	N	N	50	500
JGF0739	31 10 7	111 13 57	3.00	.50	2.00	>2.0	700	<1.0	N	N	200	1,000
JGF0742	31 10 2	111 14 13	3.00	.15	2.00	>2.0	>10,000	<1.0	500	N	70	3,000
JGF0745	31 8 40	111 15 47	3.00	.20	2.00	>2.0	2,000	<1.0	N	N	100	10,000
JGF0748	31 8 44	111 15 45	3.00	.20	2.00	>2.0	700	<1.0	N	N	50	2,000
JGF0751	31 8 58	111 15 39	3.00	.10	7.00	>2.0	2,000	<1.0	N	N	50	500
JGF0754	31 9 7	111 15 23	5.00	.30	2.00	>2.0	3,000	<1.0	N	N	70	1,500
JGF0757	31 9 28	111 15 5	3.00	.50	.70	>2.0	500	<1.0	N	N	50	10,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
HNB0202	100	20	N	N	<20	10	700	N	50	3,000	3,000
HNB0205	20	500	N	N	30	70	500	N	100	5,000	300
HNB0208	50	N	N	N	<20	50	500	N	50	3,000	300
HNB0211	10	N	N	N	<20	100	500	N	50	2,000	700
HNB0217	15	N	N	N	<20	50	500	N	70	3,000	200
HNB0223	N	N	N	N	<20	<10	<50	N	<50	200	1,500
HNB0229	7	20	N	N	<20	700	200	N	70	500	20,000
HNB0232	5	N	N	N	<20	100	300	N	100	1,500	200
HNB0235	10	N	N	N	<20	20	1,000	N	100	2,000	200
HNB0238	5	N	N	N	<20	150	<50	N	70	2,000	500
HNB0241	50	N	N	N	<20	100	1,000	N	N	10,000	700
JGF0651	7	200	N	<10	<20	70	<50	700	N	>10,000	15,000
JGF0654	<2	N	N	<10	50	30	200	30	<50	700	1,000
JGF0656	2	70	N	<10	50	50	200	15	<50	300	150
JGF0659	5	N	N	<10	150	30	500	200	<50	150	5,000
JGF0663	2	N	N	<10	<20	30	300	<10	<50	500	70
JGF0667	<2	N	N	<10	20	30	300	<10	<50	200	150
JGF0670	5	>2,000	N	<10	<20	1,000	<50	10	<50	700	300
JGF0673	10	300	N	<10	<20	200	200	1,500	<50	3,000	20,000
JGF0676	2	20	N	10	<20	70	200	10	<50	300	200
JGF0679	<2	N	N	<10	<20	70	<50	2,000	<50	200	15,000
JGF0682	7	N	N	<10	20	10	500	10	<50	1,000	300
JGF0685	3	>2,000	200	<10	<20	50	500	30	<50	150	150
JGF0690	3	>2,000	N	<10	<20	70	500	30	<50	1,000	700
JGF0693	5	100	N	<10	20	50	500	N	<50	1,500	200
JGF0696	5	100	N	<10	<20	30	500	N	<50	1,000	500
JGF0699	7	100	N	<10	<20	30	500	20	<50	1,500	1,500
JGF0706	3	<20	N	<10	50	10	200	N	<50	1,000	150
JGF0709	3	N	N	<10	50	10	200	N	<50	1,000	100
JGF0711	5	N	N	<10	50	70	200	<10	<50	1,000	150
JGF0716	10	N	N	<10	50	50	200	N	<50	1,000	100
JGF0719	10	N	N	<10	50	70	500	N	<50	1,000	150
JGF0722	10	N	N	<10	<20	200	300	N	100	7,000	10,000
JGF0725	7	N	N	<10	<20	150	100	N	100	3,000	10,000
JGF0728	7	N	N	<10	20	150	300	N	70	3,000	5,000
JGF0731	2	N	N	<10	30	500	100	N	150	1,000	20,000
JGF0734	5	N	N	20	70	200	300	N	70	1,000	500
JGF0736	5	N	N	<10	<20	150	200	N	150	5,000	150
JGF0739	10	200	N	<10	<20	500	500	>5,000	100	3,000	>50,000
JGF0742	50	30	N	20	<20	1,000	700	>5,000	70	2,000	>50,000
JGF0745	7	N	N	<10	<20	100	700	N	100	3,000	3,000
JGF0748	2	<20	N	<10	<20	100	100	N	50	3,000	7,000
JGF0751	5	70	N	<10	<20	300	200	N	50	3,000	10,000
JGF0754	7	20	N	<10	70	300	200	50	100	3,000	50,000
JGF0757	10	N	N	<10	<20	150	500	N	100	2,000	10,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
HNB0202	N	>200	N	300	70	N	>1,000	N	>2,000	N
HNB0205	N	>200	50	200	70	N	>1,000	N	>2,000	N
HNB0208	N	>200	200	200	70	N	>1,000	N	>2,000	N
HNB0211	200	>200	N	<200	50	N	>1,000	N	>2,000	N
HNB0217	N	>200	N	N	70	N	>1,000	N	>2,000	N
HNB0223	N	10	N	N	100	N	50	N	>2,000	N
HNB0229	N	200	70	200	100	100	200	N	>2,000	N
HNB0232	N	200	70	N	50	200	500	N	>2,000	N
HNB0235	N	200	N	200	70	N	>1,000	N	>2,000	N
HNB0238	N	>200	20	200	70	N	500	N	>2,000	N
HNB0241	N	>200	100	<200	300	N	>1,000	N	>2,000	N
JGF0651	N	>200	<20	200	150	300	>1,000	<500	>2,000	N
JGF0654	N	>200	<20	<200	100	150	>1,000	<500	>2,000	N
JGF0656	N	100	<20	300	100	150	200	<500	>2,000	N
JGF0659	N	100	<20	200	150	<100	>1,000	1,000	>2,000	N
JGF0663	N	100	N	<200	50	N	200	<500	>2,000	N
JGF0667	N	100	N	<200	70	N	150	<500	>2,000	N
JGF0670	N	100	<20	<200	100	N	200	<500	>2,000	N
JGF0673	N	>200	50	<200	3,000	N	>1,000	<500	>2,000	N
JGF0676	N	100	<20	200	100	N	>1,000	<500	>2,000	N
JGF0679	N	100	N	<200	500	150	30	<500	>2,000	N
JGF0682	N	>200	150	<200	150	N	>1,000	<500	>2,000	N
JGF0685	N	100	<20	500	50	5,000	>1,000	<500	>2,000	N
JGF0690	N	>200	<20	200	<20	200	>1,000	<500	>2,000	N
JGF0693	N	>200	N	200	20	N	>1,000	<500	>2,000	N
JGF0696	N	>200	<20	<200	20	N	>1,000	<500	>2,000	N
JGF0699	N	>200	<20	200	20	N	>1,000	<500	>2,000	N
JGF0706	N	100	20	<200	50	N	>1,000	<500	>2,000	N
JGF0709	N	>200	<20	<200	50	N	>1,000	<500	>2,000	N
JGF0711	N	>200	<20	<200	100	N	>1,000	<500	>2,000	N
JGF0716	N	>200	20	<200	70	N	>1,000	<500	>2,000	N
JGF0719	N	>200	<20	<200	50	N	>1,000	<500	>2,000	N
JGF0722	N	>200	N	200	500	<100	>1,000	<500	>2,000	N
JGF0725	N	200	N	1,000	300	N	>1,000	<500	>2,000	N
JGF0728	N	200	N	200	100	N	>1,000	<500	>2,000	N
JGF0731	700	200	N	1,000	200	700	>1,000	<500	>2,000	N
JGF0734	700	200	N	N	300	N	>1,000	<500	>2,000	N
JGF0736	N	>200	N	N	70	N	>1,000	<500	>2,000	N
JGF0739	N	200	500	200	5,000	700	>1,000	<500	>2,000	N
JGF0742	700	200	N	1,000	700	300	>1,000	<500	>2,000	N
JGF0745	700	200	N	N	300	N	>1,000	<500	>2,000	N
JGF0748	700	200	N	N	700	N	>1,000	<500	>2,000	N
JGF0751	700	200	N	<200	1,000	<100	>1,000	<500	>2,000	N
JGF0754	700	200	N	<200	2,000	700	>1,000	<500	>2,000	N
JGF0757	700	200	N	700	500	<100	>1,000	<500	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico,--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF0760	31 9 39	111 14 48	1.50	.10	3.00	>2.0	700	<1.0	N	N	N	>10,000
JGF0763	31 9 46	111 14 33	2.00	.10	.10	>2.0	500	<1.0	10,000	N	N	1,000
JGF0766	31 8 47	111 10 12	1.50	.10	.10	>2.0	100	<1.0	N	N	100	500
JGF0769	31 8 54	111 10 38	2.00	.10	.10	>2.0	100	<1.0	N	N	500	500
JGF0772	31 8 58	111 10 58	3.00	.20	.10	>2.0	100	<1.0	N	N	300	500
JGF0774	31 9 5	111 11 9	30.00	.70	1.50	>2.0	>10,000	<1.0	N	N	100	1,000
JGF0776	31 9 17	111 11 27	5.00	.30	3.00	>2.0	700	<1.0	N	N	70	1,000
JGF0778	31 3 49	111 15 14	2.00	.50	1.00	.5	10,000	<1.0	N	N	300	200
JGF0781	31 3 56	111 15 9	7.00	.30	3.00	2.0	700	<1.0	N	N	3,000	1,500
JGF0785	31 7 57	111 13 46	1.00	.30	3.00	2.0	700	<1.0	N	N	70	500
JGF0788	31 7 26	111 13 46	3.00	1.00	3.00	2.0	7,000	<1.0	N	N	5,000	2,000
JGF0791	31 7 18	111 14 7	1.00	.20	2.00	>2.0	1,000	<1.0	N	N	N	300
JGF0795	31 6 54	111 14 14	7.00	.70	10.00	>2.0	3,000	<1.0	N	N	30	2,000
JGF0798	31 6 49	111 14 21	2.00	.20	7.00	>2.0	700	<1.0	N	N	100	500
JGF0801	31 6 47	111 14 41	2.00	.10	7.00	>2.0	1,000	<1.0	N	N	N	700
JGF0804	31 6 57	111 14 37	2.00	.30	2.00	.7	10,000	<1.0	N	N	700	500
JGF0807	31 6 36	111 14 58	1.00	.15	15.00	2.0	1,500	<1.0	N	N	N	500
JGF0810	31 6 32	111 14 57	.50	.70	1.00	.5	>10,000	<1.0	N	N	700	1,000
JGF0815	31 6 12	111 14 43	1.50	.15	15.00	>2.0	2,000	<1.0	N	N	N	500
JGF0816	31 4 55	111 13 42	1.50	.15	10.00	>2.0	2,000	<1.0	N	N	20	300
JGF0819	31 6 4	111 14 18	2.00	.70	3.00	2.0	7,000	<1.0	N	N	2,000	1,500
JGF0823	31 6 3	111 13 39	7.00	1.00	3.00	2.0	>10,000	<1.0	N	N	1,000	5,000
JGF0826	31 5 58	111 13 15	2.00	.70	3.00	2.0	5,000	<1.0	N	N	2,000	1,500
JGF0829	31 5 52	111 12 54	.70	.15	1.00	>2.0	300	<1.0	N	N	150	7,000
JGF0832	31 6 1	111 12 26	7.00	.10	.70	>2.0	>10,000	<1.0	N	N	3,000	500
JGF0835	31 6 2	111 11 49	2.00	.15	5.00	>2.0	300	<1.0	N	N	N	3,000
JGF0838	31 6 6	111 11 53	.20	.10	.50	2.0	300	<1.0	N	N	N	2,000
JGF0841	31 5 26	111 13 50	1.00	.30	.70	1.0	5,000	<1.0	N	N	300	500
JGF0844	31 3 58	111 18 12	1.50	.15	7.00	>2.0	1,500	<1.0	N	N	N	1,000
JGF0847	31 4 26	111 18 3	.15	.10	7.00	2.0	500	<1.0	N	N	20	>10,000
JGF0850	31 4 41	111 17 58	2.00	.15	10.00	>2.0	2,000	<1.0	N	N	50	5,000
JGF0853	31 4 44	111 17 42	3.00	.10	10.00	>2.0	1,000	<1.0	N	N	N	>10,000
JGF0857	31 8 43	111 16 42	1.50	.20	5.00	2.0	3,000	<1.0	N	N	20	500
JGF0860	31 8 17	111 17 7	1.50	1.00	2.00	2.0	7,000	<1.0	N	N	300	700
JGF0863	31 8 56	111 16 23	.70	.30	10.00	>2.0	200	N	N	N	70	500
JGF0867	31 9 5	111 16 34	1.00	.20	1.00	>2.0	150	N	N	N	70	>10,000
JGF0870	31 9 16	111 16 47	1.50	5.00	7.00	2.0	1,500	N	N	N	20	1,500
JGF0873	31 9 18	111 16 45	1.00	.50	3.00	2.0	2,000	<1.0	N	N	70	7,000
JGF0876	31 9 22	111 15 35	2.00	.30	2.00	>2.0	500	<1.0	N	N	50	500
JGF0879	31 9 20	111 15 41	1.00	.30	.30	>2.0	200	N	N	N	50	2,000
JGF0882	31 10 32	111 14 4	1.50	.30	7.00	>2.0	700	<1.0	N	N	N	500
JGF0885	31 12 56	111 13 26	1.00	.50	2.00	>2.0	700	50.0	500	N	3,000	>10,000
JGF0888	31 13 39	111 11 25	1.50	.05	.70	>2.0	700	2,000.0	7,000	N	200	>10,000
JGF0889	31 13 39	111 11 25	5.00	.70	.20	>2.0	700	150.0	N	N	1,000	10,000
JGF0892	31 7 51	111 17 16	1.00	.70	3.00	1.0	700	<1.0	N	N	150	>10,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
JGF0760	10	<20	N	<10	<20	200	700	5,000	70	2,000	>50,000
JGF0763	5	N	N	<10	70	300	500	>5,000	100	700	>50,000
JGF0766	5	<20	N	<10	<20	150	200	100	70	10,000	3,000
JGF0769	30	N	N	<10	<20	100	500	N	100	10,000	7,000
JGF0772	7	N	N	<10	50	150	500	50	100	10,000	3,000
JGF0774	<2	N	N	70	100	50	300	50	50	200	3,000
JGF0776	5	N	N	<10	70	70	500	N	100	3,000	700
JGF0778	2	100	N	N	50	200	100	N	N	500	700
JGF0781	5	1,000	N	20	<20	100	<50	1,000	50	300	150
JGF0785	5	150	N	<10	20	500	500	>5,000	50	1,500	>50,000
JGF0788	7	70	N	30	20	200	500	70	<50	500	5,000
JGF0791	5	2,000	N	<10	<20	200	200	2,000	50	10,000	>50,000
JGF0795	7	<20	N	<10	<20	100	200	150	100	200	5,000
JGF0798	7	<20	N	<10	70	70	300	N	70	200	7,000
JGF0801	2	N	N	<10	50	300	300	50	70	3,000	50,000
JGF0804	5	N	N	N	20	150	500	N	N	700	1,500
JGF0807	N	N	N	<10	<20	150	500	2,000	50	1,500	50,000
JGF0810	5	N	N	10	50	200	300	70	N	150	50,000
JGF0813	2	N	N	10	<20	300	500	150	100	200	30,000
JGF0816	15	N	N	<10	50	1,000	700	70	70	1,500	50,000
JGF0819	5	N	N	20	30	70	100	N	<50	700	1,500
JGF0823	7	20	N	50	50	200	150	50	<50	300	1,500
JGF0826	2	N	N	10	150	150	300	50	N	300	1,500
JGF0829	7	70	N	<10	<20	200	700	N	70	3,000	1,500
JGF0832	5	50	N	50	500	300	100	3,000	50	10,000	50,000
JGF0835	5	N	N	<10	<20	500	1,000	2,000	50	10,000	3,000
JGF0838	2	N	1,000	<10	50	200	200	5,000	50	10,000	>50,000
JGF0841	7	N	N	N	50	200	200	N	50	2,000	30,000
JGF0844	N	300	N	<10	<20	100	300	N	70	2,000	3,000
JGF0847	N	100	N	<10	<20	200	200	50	70	7,000	5,000
JGF0850	N	700	N	<10	<20	70	500	50	150	2,000	700
JGF0853	2	700	N	<10	<20	150	500	2,000	150	5,000	50,000
JGF0857	20	N	N	10	1,000	70	700	N	<50	5,000	150
JGF0860	50	N	N	N	300	100	300	N	50	300	1,500
JGF0863	5	30	N	N	<20	70	500	N	<50	2,000	200
JGF0867	7	N	N	N	<20	70	150	N	70	3,000	300
JGF0870	5	N	N	10	2,000	20	700	N	N	1,000	150
JGF0873	10	N	N	N	50	30	200	N	100	1,000	300
JGF0876	5	N	N	N	<20	70	200	N	100	2,000	200
JGF0879	7	N	N	N	<20	50	<50	500	100	3,000	2,000
JGF0882	N	N	N	N	50	50	200	15	70	150	150
JGF0885	5	N	N	N	<20	1,000	100	N	50	1,000	>50,000
JGF0888	7	20	N	N	<20	1,000	<50	3,000	150	150	>50,000
JGF0889	10	N	N	N	50	70	300	N	100	200	50,000
JGF0892	2	N	N	N	70	20	<50	50	N	150	300

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF0760	700	200	N	700	1,500	5,000	>1,000	<500	>2,000	N
JGF0763	700	100	70	300	700	700	>1,000	<500	>2,000	N
JGF0766	700	>200	N	N	20	N	>1,000	<500	>2,000	N
JGF0769	700	>200	50	200	30	N	>1,000	<500	>2,000	N
JGF0772	700	>200	20	N	30	N	>1,000	<500	>2,000	N
JGF0774	700	100	N	N	1,000	N	>1,000	<500	>2,000	N
JGF0776	700	200	30	<200	70	N	>1,000	<500	>2,000	N
JGF0778	N	100	N	200	200	2,000	200	N	>2,000	N
JGF0781	N	70	N	<200	300	>20,000	50	<500	>2,000	N
JGF0785	N	200	N	500	>20,000	1,500	500	<500	>2,000	N
JGF0788	N	150	N	500	700	N	200	N	>2,000	N
JGF0791	N	>200	<20	200	2,000	1,000	>1,000	<500	>2,000	N
JGF0795	N	50	N	300	200	N	500	<500	>2,000	N
JGF0798	700	150	N	200	700	N	>1,000	<500	>2,000	N
JGF0801	700	200	30	300	7,000	<100	>1,000	<500	>2,000	N
JGF0804	N	200	N	500	100	1,000	150	N	>2,000	N
JGF0807	N	200	N	300	5,000	1,500	>1,000	<500	>2,000	N
JGF0810	N	70	N	700	2,000	N	150	N	>2,000	N
JGF0813	N	30	N	300	500	150	>1,000	<500	>2,000	N
JGF0816	N	50	N	N	2,000	150	>1,000	<500	>2,000	N
JGF0819	N	200	N	<200	100	100	200	N	>2,000	N
JGF0823	N	100	N	700	200	N	200	N	>2,000	N
JGF0826	N	70	N	500	100	N	200	N	>2,000	N
JGF0829	N	>200	50	200	150	N	>1,000	<500	>2,000	N
JGF0832	<200	200	N	700	2,000	200	>1,000	N	>2,000	N
JGF0835	N	>200	N	N	1,000	N	>1,000	<500	>2,000	N
JGF0838	N	>200	N	N	20,000	N	>1,000	<500	>2,000	N
JGF0841	N	>200	N	500	500	700	>1,000	N	>2,000	N
JGF0844	700	>200	N	N	300	700	>1,000	<500	>2,000	N
JGF0847	N	>200	N	500	1,500	700	>1,000	<500	>2,000	N
JGF0850	N	200	<20	<200	100	N	>1,000	<500	>2,000	N
JGF0853	N	>200	<20	200	700	100	>1,000	<500	>2,000	N
JGF0857	N	200	N	700	150	N	500	N	>2,000	N
JGF0860	N	100	N	700	200	200	150	N	>2,000	N
JGF0863	N	>200	N	N	50	N	>1,000	N	>2,000	N
JGF0867	N	>200	N	200	50	N	500	N	>2,000	N
JGF0870	N	200	70	500	70	N	200	N	>2,000	N
JGF0873	N	200	20	<200	150	100	>1,000	N	>2,000	N
JGF0876	N	200	N	<200	70	N	500	N	>2,000	N
JGF0879	N	200	N	N	70	N	>1,000	N	>2,000	N
JGF0882	N	30	N	N	100	N	150	N	>2,000	N
JGF0885	500	200	>2,000	200	2,000	300	500	N	>2,000	N
JGF0888	7,000	100	20	300	200	100	100	N	>2,000	N
JGF0889	N	200	20	<200	100	100	200	N	>2,000	N
JGF0892	N	30	N	2,000	50	200	100	N	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF0896	31 7 49	111 17 6	1.00	.70	3.00	2.0	2,000	N	N	N	70	500
JGF0899	31 7 32	111 16 54	1.50	1.50	7.00	2.0	1,500	<1.0	N	N	20	3,000
JGF0903	31 7 41	111 16 32	7.00	1.00	10.00	>2.0	5,000	<1.0	N	N	700	1,000
JGF0906	31 7 26	111 15 52	10.00	.70	5.00	2.0	>10,000	N	N	N	200	2,000
JGF0952	31 4 16	111 13 16	7.00	1.50	10.00	2.0	5,000	1.5	N	N	500	3,000
JGF0954	31 4 9	111 13 16	1.00	.15	10.00	>2.0	700	5.0	<500	N	30	1,000
JGF0956	31 4 36	111 11 55	1.00	.10	.70	>2.0	300	20.0	N	N	70	1,500
JGF0958	31 4 33	111 11 52	1.00	.07	1.00	>2.0	300	30.0	500	N	100	1,500
JGF0960	31 4 39	111 12 6	.70	.05	10.00	>2.0	300	20.0	1,000	N	70	2,000
JGF0962	31 4 34	111 12 26	.70	.05	10.00	>2.0	500	20.0	<500	N	70	700
JGF0964	31 4 48	111 12 31	.70	.10	10.00	>2.0	500	30.0	<500	N	50	1,500
JGF0966	31 5 6	111 12 13	1.00	.15	1.50	>2.0	300	20.0	500	N	200	1,500
JGF0968	31 3 36	111 11 17	1.00	.05	3.00	>2.0	300	20.0	700	N	150	5,000
JGF0970	31 3 43	111 11 19	1.00	.20	1.00	>2.0	300	10.0	2,000	<20	100	1,500
JGF0972	31 4 9	111 11 24	.70	.10	1.50	>2.0	500	30.0	500	N	100	1,000
JGF0974	31 4 24	111 11 6	1.00	.10	2.00	>2.0	700	15.0	500	N	150	5,000
JGF0976	31 4 18	111 11 11	1.00	.07	2.00	>2.0	500	20.0	500	N	100	7,000
JGF0978	31 4 1	111 10 21	.50	.50	30.00	1.0	700	10.0	N	N	70	1,000
JGF0980	31 3 56	111 10 27	2.00	.15	7.00	>2.0	500	15.0	1,000	N	500	1,500
JGF0982	31 3 40	111 12 3	.50	.05	10.00	>2.0	700	20.0	700	N	50	1,000
JGF0984	31 3 40	111 12 0	.20	.15	2.00	>2.0	300	70.0	2,000	N	150	200
JGF0986	31 3 25	111 12 4	1.50	.20	7.00	>2.0	700	30.0	5,000	N	200	200
JGF0988	31 3 10	111 12 1	1.00	.20	2.00	>2.0	1,000	20.0	500	N	150	300
JGF0990	31 3 2	111 12 17	2.00	.30	15.00	>2.0	1,000	15.0	<500	N	2,000	500
JGF0992	31 3 8	111 12 31	1.50	.20	10.00	>2.0	1,500	50.0	<500	N	700	500
JGF0994	31 3 5	111 12 32	1.00	.20	10.00	>2.0	1,500	20.0	N	N	1,000	500
JGF0996	31 3 16	111 12 40	1.00	.20	5.00	>2.0	1,500	20.0	N	N	300	200
JGF0998	31 3 16	111 12 34	1.50	.10	7.00	2.0	700	15.0	700	N	150	300
JGF1000	31 2 46	111 11 31	.50	.05	1.00	.7	200	15.0	2,000	N	30	150
JGF1002	31 2 48	111 11 36	.70	.05	5.00	1.0	500	50.0	700	N	100	700
JGF1004	31 2 37	111 11 45	.50	.07	10.00	.7	300	30.0	700	N	50	500
JGF1006	31 2 26	111 11 55	1.50	.10	10.00	>2.0	1,000	10.0	700	N	150	2,000
JGF1008	31 2 19	111 11 24	.30	<.05	.70	.3	150	1.5	3,000	N	<20	150
JGF1010	31 2 19	111 11 24	.30	.05	2.00	.5	300	200.0	2,000	N	500	150
JGF1012	31 1 8	111 12 10	1.50	.20	7.00	>2.0	1,500	15.0	500	N	500	5,000
JGF1014	31 1 15	111 12 12	1.00	.10	10.00	>2.0	1,000	10.0	1,000	N	100	10,000
JGF1016	31 1 1	111 11 5	1.50	.30	10.00	>2.0	2,000	5.0	N	N	20	3,000
JGF1018	31 0 57	111 11 11	1.00	.15	10.00	>2.0	1,000	<1.0	1,000	N	50	200
JGF1020	31 4 51	111 7 42	1.00	.05	.70	>2.0	500	30.0	500	N	70	1,000
JGF1022	31 4 51	111 7 53	.50	.05	.70	>2.0	300	20.0	N	N	50	3,000
JGF1024	31 4 58	111 7 41	.70	.07	.50	>2.0	700	15.0	N	N	50	700
JGF1026	31 5 5	111 7 56	1.50	.15	.70	>2.0	1,500	20.0	<500	N	1,500	700
JGF1028	31 5 21	111 8 13	1.00	.10	1.00	>2.0	500	15.0	<500	N	200	700
JGF1030	31 3 51	111 9 55	1.00	.10	5.00	>2.0	1,000	10.0	<500	N	150	500
JGF1032	31 5 28	111 8 28	1.00	.20	7.00	>2.0	700	15.0	N	N	100	500

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
JGF0896	30	20	N	N	50	100	200	50	<50	1,000	500
JGF0899	N	70	N	N	200	10	700	N	N	300	500
JGF0903	10	N	N	20	100	100	500	N	50	200	5,000
JGF0906	20	50	N	50	5,000	500	500	200	<50	300	50,000
JGF0952	7	<20	N	15	100	50	500	<10	70	20	1,500
JGF0954	3	N	500	<10	<20	50	500	200	70	N	50,000
JGF0956	7	20	N	10	20	200	200	<10	<50	N	20,000
JGF0958	7	100	N	<10	<20	300	300	1,000	<50	N	>50,000
JGF0960	5	<20	N	10	<20	70	100	300	50	N	30,000
JGF0962	2	300	700	<10	<20	100	100	2,000	50	N	>50,000
JGF0964	3	20	N	10	<20	150	100	300	<50	N	20,000
JGF0966	7	150	N	10	<20	150	500	100	<50	N	15,000
JGF0968	5	20	700	<10	<20	300	150	5,000	<50	N	>50,000
JGF0970	2	70	N	70	<20	10	150	300	100	N	30,000
JGF0972	7	300	N	10	<20	500	700	1,000	<50	N	50,000
JGF0974	7	20	N	15	50	150	300	200	<50	N	30,000
JGF0976	20	200	N	10	20	100	300	70	<50	N	15,000
JGF0978	N	300	N	N	<20	50	500	70	<50	N	1,500
JGF0980	3	30	N	<10	150	20	100	70	<50	10	2,000
JGF0982	3	20	700	10	<20	500	100	1,000	<50	N	>50,000
JGF0984	N	70	1,000	10	<20	300	200	>5,000	<50	N	>50,000
JGF0986	<2	300	>1,000	<10	50	200	500	>5,000	<50	N	>50,000
JGF0988	2	20	N	<10	20	100	200	1,000	50	N	50,000
JGF0990	<2	N	N	<10	<20	70	500	500	<50	N	20,000
JGF0992	2	N	N	<10	<20	200	100	700	<50	N	50,000
JGF0994	2	<20	300	10	<20	100	150	500	<50	N	20,000
JGF0996	2	<20	N	<10	<20	150	100	300	<50	N	15,000
JGF0998	2	<20	700	10	<20	150	300	3,000	50	50	>50,000
JGF1000	2	100	300	10	<20	150	200	>5,000	<50	10	>50,000
JGF1002	<2	50	N	<10	<20	300	200	>5,000	<50	10	>50,000
JGF1004	2	50	700	<10	<20	500	200	>5,000	<50	15	>50,000
JGF1006	2	50	N	10	<20	100	150	700	<50	20	50,000
JGF1008	<2	150	200	20	<20	150	200	>5,000	<50	N	>50,000
JGF1010	<2	150	200	<10	<20	300	200	>5,000	<50	N	>50,000
JGF1012	50	50	N	15	<20	100	300	1,000	70	15	50,000
JGF1014	7	30	N	10	<20	150	200	500	70	<10	15,000
JGF1016	300	200	N	<10	<20	500	100	700	70	10	10,000
JGF1018	50	20	N	10	<20	50	50	200	50	10	5,000
JGF1020	5	50	N	10	<20	200	500	1,000	<50	N	50,000
JGF1022	3	300	N	<10	<20	150	150	500	<50	N	30,000
JGF1024	20	30	N	<10	<20	150	200	150	<50	N	5,000
JGF1026	20	30	N	15	<20	200	700	100	<50	<10	2,000
JGF1028	15	20	N	20	<20	200	200	100	<50	<10	5,000
JGF1030	15	70	N	30	<20	200	1,000	1,000	<50	10	1,500
JGF1032	7	70	N	20	<20	150	700	150	<50	10	1,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF0896	N	200	N	N	150	700	200	N	>2,000	N
JGF0899	N	30	N	700	300	150	150	N	>2,000	N
JGF0903	N	200	N	700	500	500	500	N	>2,000	N
JGF0906	1,500	100	N	300	7,000	<100	150	3,000	>2,000	N
JGF0952	<200	N	<20	1,500	200	<100	700	N	>2,000	N
JGF0954	200	N	20	500	20,000	700	200	N	>2,000	N
JGF0956	<200	N	100	500	500	<100	>1,000	N	>2,000	N
JGF0958	<200	N	<20	200	200	<100	>1,000	N	>2,000	N
JGF0960	<200	N	<20	300	70	100	>1,000	N	>2,000	N
JGF0962	N	N	50	700	5,000	700	1,000	N	>2,000	N
JGF0964	N	N	<20	500	150	300	1,000	N	>2,000	N
JGF0966	<200	N	100	1,000	100	<100	>1,000	N	>2,000	N
JGF0968	<200	N	70	200	2,000	150	1,000	N	>2,000	N
JGF0970	<200	N	<20	<200	100	200	200	N	>2,000	N
JGF0972	500	N	50	300	2,000	100	>1,000	N	>2,000	N
JGF0974	<200	N	100	1,000	200	<100	>1,000	N	>2,000	N
JGF0976	<200	N	30	300	150	<100	1,000	N	>2,000	N
JGF0978	N	N	N	7,000	150	<100	500	N	>2,000	N
JGF0980	1,000	N	20	700	200	<100	700	N	>2,000	N
JGF0982	N	N	<20	200	10,000	500	1,000	N	>2,000	N
JGF0984	N	N	200	300	>20,000	700	300	N	>2,000	N
JGF0986	<200	N	100	300	>20,000	500	500	N	>2,000	N
JGF0988	N	N	50	<200	2,000	200	1,000	N	>2,000	N
JGF0990	<200	N	50	700	300	200	1,000	N	>2,000	N
JGF0992	<200	N	1,500	200	2,000	500	1,000	N	>2,000	N
JGF0994	300	N	20	200	300	500	>1,000	1,000	>2,000	N
JGF0996	<200	N	2,000	N	150	500	1,000	N	>2,000	N
JGF0998	200	N	20	200	10,000	500	500	N	>2,000	N
JGF1000	<200	70	200	7,000	10,000	700	100	N	>2,000	N
JGF1002	N	<10	70	700	1,500	300	500	N	>2,000	N
JGF1004	N	<10	30	500	5,000	300	1,000	N	>2,000	N
JGF1006	300	N	20	300	150	300	>1,000	N	>2,000	N
JGF1008	N	<10	200	200	5,000	300	100	N	>2,000	N
JGF1010	N	<10	150	5,000	3,000	700	150	N	>2,000	N
JGF1012	700	<10	30	500	150	500	500	N	>2,000	N
JGF1014	300	<10	30	500	100	2,000	1,000	N	>2,000	N
JGF1016	<200	<10	300	300	300	1,500	300	<500	>2,000	N
JGF1018	<200	N	<20	300	200	300	300	500	>2,000	N
JGF1020	<200	N	70	<200	50	<100	>1,000	N	>2,000	N
JGF1022	N	<10	30	700	50	<100	>1,000	N	>2,000	N
JGF1024	N	N	20	<200	50	N	>1,000	N	>2,000	N
JGF1026	N	N	20	<200	100	100	>1,000	N	>2,000	N
JGF1028	N	N	200	<200	50	<100	>1,000	N	>2,000	N
JGF1030	N	N	50	200	200	300	>1,000	N	>2,000	N
JGF1032	N	<10	20	1,000	150	200	>1,000	N	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF1034	31 5 14	111 8 41	.50	.10	.70	2.0	150	20.0	N	N	100	500
JGF1036	31 5 21	111 8 51	.70	.05	.50	>2.0	500	20.0	<500	N	70	300
JGF1038	31 5 20	111 9 5	1.00	.07	.50	>2.0	1,000	15.0	<500	N	20	500
JGF1040	31 5 13	111 9 11	.50	.07	10.00	>2.0	1,000	20.0	N	N	30	200
JGF1042	31 5 10	111 9 28	.70	.20	15.00	>2.0	1,000	15.0	N	N	200	1,000
JGF1044	31 5 16	111 9 34	1.00	.70	7.00	2.0	500	10.0	<500	N	70	2,000
JGF1046	31 5 17	111 9 45	.70	.70	7.00	>2.0	300	15.0	N	N	20	3,000
JGF1048	31 5 6	111 10 11	.70	.15	20.00	.5	500	5.0	N	N	70	500
JGF1050	31 4 47	111 10 32	.70	.07	1.00	>2.0	300	10.0	N	N	70	300
JGF1052	31 3 25	111 10 38	.50	.07	7.00	2.0	500	10.0	3,000	N	50	200
JGF1054	31 3 11	111 10 58	1.00	.10	7.00	>2.0	300	7.0	500	N	100	500
JGF1056	31 3 19	111 10 58	1.50	.07	1.50	>2.0	500	10.0	N	N	150	1,000
JGF1058	31 3 3	111 10 11	.50	.07	1.00	>2.0	500	15.0	N	N	30	>10,000
JGF1060	31 2 33	111 10 4	1.00	.05	1.00	>2.0	500	15.0	N	N	100	1,500
JGF1062	31 2 44	111 10 32	1.50	.07	1.50	>2.0	500	100.0	N	N	500	3,000
JGF1064	31 2 44	111 10 39	1.50	.07	2.00	>2.0	700	15.0	N	N	150	2,000
JGF1066	31 2 41	111 10 42	.70	.07	3.00	>2.0	500	10.0	N	N	50	2,000
JGF1068	31 4 13	111 9 50	.50	.20	30.00	.5	500	5.0	N	N	200	200
JGF1070	31 4 12	111 9 37	.50	.15	20.00	1.0	700	3.0	<500	N	50	200
JGF1072	31 4 18	111 9 41	.50	.10	20.00	2.0	300	3.0	<500	N	100	1,000
JGF1074	31 3 49	111 10 5	.50	.20	20.00	2.0	500	3.0	N	N	70	7,000
JGF1076	31 3 31	111 9 36	.70	.10	7.00	2.0	700	20.0	N	N	100	700
JGF1078	31 3 34	111 9 43	1.50	.10	10.00	>2.0	1,000	10.0	<500	N	200	2,000
JGF1080	31 3 40	111 9 12	1.00	.10	10.00	>2.0	500	10.0	<500	N	100	200
JGF1082	31 3 30	111 8 59	1.50	.50	20.00	1.5	700	10.0	<500	N	150	200
JGF1084	31 3 20	111 8 45	1.00	.07	2.00	2.0	500	50.0	700	N	150	200
JGF1086	31 2 58	111 8 26	1.50	.15	1.00	.5	1,000	15.0	700	N	200	200
JGF1088	31 3 10	111 7 56	1.50	.10	.50	2.0	1,000	15.0	<500	N	150	200
JGF1090	31 3 14	111 7 58	1.00	.05	1.00	>2.0	700	15.0	N	<20	30	200
JGF1092	31 3 12	111 8 5	1.50	.10	1.00	>2.0	1,000	10.0	N	N	30	300
JGF1094	31 2 33	111 8 3	.70	.10	10.00	>2.0	300	10.0	N	N	50	200
JGF1096	31 2 36	111 8 6	.70	.10	10.00	>2.0	500	3.0	N	N	30	150
JGF1098	31 2 38	111 8 12	1.00	.10	10.00	>2.0	1,000	3.0	N	N	300	150
JGF1100	31 1 57	111 6 40	.70	.05	2.00	>2.0	1,000	7.0	N	N	50	200
JGF1102	31 2 1	111 6 31	1.00	.07	2.00	>2.0	1,500	10.0	N	N	200	200
JGF1104	31 2 15	111 6 49	.70	.05	5.00	>2.0	1,000	7.0	N	N	30	200
JGF1106	31 2 19	111 6 39	1.00	.05	1.50	>2.0	700	20.0	N	N	50	150
JGF1108	31 2 13	111 7 16	1.00	.10	5.00	>2.0	1,000	7.0	N	N	70	200
JGF1110	31 1 48	111 7 22	.70	.15	10.00	>2.0	500	3.0	N	N	100	150
JGF1112	31 3 30	111 10 5	.30	.05	.70	>2.0	500	15.0	N	N	30	700
JGF1114	31 2 57	111 9 46	.70	.05	1.50	>2.0	700	30.0	3,000	N	70	200
JGF1116	31 3 11	111 9 29	.50	.05	1.50	1.0	500	10.0	2,000	N	70	150
JGF1118	31 2 50	111 8 58	.70	.10	5.00	1.5	300	10.0	N	N	70	150
JGF1120	31 2 54	111 9 3	.70	.10	7.00	1.5	500	7.0	N	N	20	150
JGF1122	31 2 54	111 9 12	.50	<.05	2.00	1.0	500	30.0	N	N	200	1,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
JGF1034	30	50	N	10	<20	100	100	70	<50	<10	1,500
JGF1036	200	100	N	20	<20	200	200	70	<50	15	1,500
JGF1038	50	100	N	15	<20	70	300	50	<50	N	1,500
JGF1040	5	200	N	10	<20	200	500	2,000	<50	50	30,000
JGF1042	30	>2,000	500	10	<20	200	500	3,000	<50	50	50,000
JGF1044	50	200	N	50	<20	150	300	1,000	<50	70	5,000
JGF1046	5	300	N	30	<20	200	500	700	50	50	2,000
JGF1048	3	1,000	N	15	<20	150	1,500	150	<50	30	2,000
JGF1050	10	200	N	20	<20	100	500	<10	<50	70	500
JGF1052	2	700	1,000	<10	<20	150	1,000	5,000	50	70	>50,000
JGF1054	2	70	N	20	<20	50	200	300	50	20	15,000
JGF1056	3	50	N	15	<20	70	100	200	<50	50	2,000
JGF1058	3	500	N	20	N	70	100	200	<50	50	2,000
JGF1060	3	300	N	15	<20	100	150	5,000	50	30	50,000
JGF1062	3	700	N	20	<20	150	70	500	<50	30	2,000
JGF1064	2	700	N	15	<20	150	100	1,500	50	50	5,000
JGF1066	2	300	N	15	<20	500	200	2,000	<50	20	50,000
JGF1068	N	500	N	<10	<20	150	700	200	<50	10	3,000
JGF1070	7	500	N	10	<20	100	1,000	200	70	70	2,000
JGF1072	5	500	N	10	<20	150	1,000	70	50	50	2,000
JGF1074	7	200	N	<10	<20	200	1,000	30	<50	50	2,000
JGF1076	15	200	N	10	<20	500	1,000	>5,000	<50	100	>50,000
JGF1078	50	500	N	20	<20	200	300	2,000	<50	150	50,000
JGF1080	15	70	N	15	<20	150	500	500	<50	70	5,000
JGF1082	15	700	N	20	<20	150	300	2,000	70	50	30,000
JGF1084	50	200	N	30	<20	100	700	500	<50	100	10,000
JGF1086	30	70	N	50	<20	100	700	100	<50	200	1,500
JGF1088	30	100	N	50	<20	150	500	700	<50	200	2,000
JGF1090	20	100	N	20	N	100	500	500	50	150	10,000
JGF1092	30	70	N	30	N	150	500	100	<50	200	2,000
JGF1094	3	70	N	<10	N	500	1,000	50	<50	50	20,000
JGF1096	7	200	N	10	N	70	700	20	50	100	700
JGF1098	20	300	N	20	N	200	1,000	70	<50	200	2,000
JGF1100	15	100	N	30	N	70	700	150	<50	200	500
JGF1102	15	200	N	30	N	150	500	2,000	<50	300	30,000
JGF1104	15	70	N	20	N	100	1,000	500	<50	200	3,000
JGF1106	15	300	N	30	<20	150	1,000	700	<50	200	5,000
JGF1108	20	150	N	30	N	100	1,500	200	<50	300	1,000
JGF1110	3	300	N	<10	<20	10	2,000	50	<50	70	1,000
JGF1112	5	300	N	<10	N	150	150	30	<50	50	1,000
JGF1114	3	200	N	<10	N	500	1,000	5,000	<50	30	>50,000
JGF1116	5	500	N	<10	N	200	1,000	2,000	<50	10	50,000
JGF1118	15	200	N	<10	<20	150	300	100	<50	N	3,000
JGF1120	50	500	N	10	<20	200	500	150	50	N	2,000
JGF1122	2	1,000	N	10	<20	150	100	1,000	<50	10	30,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF1034	N	N	100	<200	30	<100	>1,000	N	>2,000	N
JGF1036	N	N	20	<200	150	<100	>1,000	N	>2,000	N
JGF1038	N	N	30	<200	300	<100	>1,000	N	>2,000	N
JGF1040	N	N	30	300	50	100	>1,000	N	>2,000	N
JGF1042	N	N	150	1,000	50	300	>1,000	1,000	>2,000	N
JGF1044	N	>200	<20	200	50	200	>1,000	N	>2,000	N
JGF1046	N	>200	<20	<200	200	700	500	N	>2,000	N
JGF1048	N	>200	N	3,000	100	200	700	N	>2,000	N
JGF1050	N	>200	N	<200	70	<100	N	N	>2,000	N
JGF1052	<200	>200	50	200	>20,000	700	500	N	>2,000	N
JGF1054	200	>200	20	300	500	300	1,000	N	>2,000	N
JGF1056	N	>200	<20	<200	200	300	1,000	N	>2,000	N
JGF1058	N	>200	20	<200	150	500	1,000	N	>2,000	N
JGF1060	N	>200	70	N	50	500	700	N	>2,000	N
JGF1062	N	>200	<20	<200	50	300	700	N	>2,000	N
JGF1064	N	>200	<20	<200	1,000	700	500	N	>2,000	N
JGF1066	N	>200	<20	<200	1,500	300	700	N	>2,000	N
JGF1068	N	100	N	5,000	200	300	1,000	N	>2,000	N
JGF1070	N	>200	<20	3,000	150	700	>1,000	N	>2,000	N
JGF1072	N	>200	150	2,000	100	150	>1,000	N	>2,000	N
JGF1074	N	>200	50	3,000	150	100	>1,000	N	>2,000	N
JGF1076	N	>200	1,000	700	500	<100	>1,000	N	>2,000	N
JGF1078	N	>200	20	700	1,000	150	>1,000	N	>2,000	N
JGF1080	N	>200	<20	700	150	100	>1,000	N	>2,000	N
JGF1082	N	>200	20	3,000	100	300	>1,000	N	>2,000	N
JGF1084	N	>200	100	300	100	<100	>1,000	N	>2,000	N
JGF1086	N	>200	30	<200	300	<100	>1,000	N	>2,000	N
JGF1088	N	>200	50	N	200	150	>1,000	N	>2,000	N
JGF1090	N	>200	150	<200	100	200	>1,000	N	>2,000	N
JGF1092	N	>200	20	<200	100	N	>1,000	N	>2,000	N
JGF1094	N	>200	<20	1,000	700	N	700	N	>2,000	N
JGF1096	N	>200	70	1,500	100	300	700	N	>2,000	N
JGF1098	N	>200	50	1,000	200	200	>1,000	N	>2,000	N
JGF1100	N	>200	30	<200	100	300	>1,000	N	>2,000	N
JGF1102	N	>200	20	200	200	500	>1,000	N	>2,000	N
JGF1104	N	>200	50	700	150	300	>1,000	N	>2,000	N
JGF1106	N	>200	30	200	300	500	>1,000	N	>2,000	N
JGF1108	N	>200	50	200	200	500	>1,000	N	>2,000	N
JGF1110	N	>200	30	3,000	100	300	1,000	N	>2,000	N
JGF1112	N	>200	<20	N	50	<100	>1,000	N	>2,000	N
JGF1114	N	>200	100	200	30	<100	>1,000	N	>2,000	N
JGF1116	N	>200	20	<200	50	100	>1,000	N	>2,000	N
JGF1118	N	>200	30	500	500	<100	>1,000	N	>2,000	N
JGF1120	N	>200	50	1,000	100	200	>1,000	N	>2,000	N
JGF1122	N	>200	70	N	30	500	>1,000	N	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF1124	31 1 47	111 10 8	.50	.07	.70	2.0	700	20.0	N	N	300	700
JGF1126	31 1 45	111 10 12	.30	<.05	1.00	1.5	500	30.0	N	20	100	100
JGF1128	31 1 25	111 10 29	1.00	.20	10.00	>2.0	1,500	1.0	N	30	20	10,000
JGF1130	31 1 17	111 10 25	.70	.10	10.00	>2.0	1,000	1.5	N	N	50	1,000
JGF1132	31 2 26	111 13 15	.70	.05	7.00	2.0	1,000	30.0	1,500	N	30	3,000
JGF1134	31 2 22	111 13 14	1.00	.10	10.00	2.0	1,500	30.0	500	30	70	1,500
JGF1136	31 2 11	111 13 6	2.00	.10	7.00	>2.0	2,000	30.0	N	N	500	200
JGF1138	31 2 12	111 12 49	2.00	.07	7.00	>2.0	1,000	10.0	<500	N	200	200
JGF1140	31 1 54	111 12 44	1.50	.10	7.00	>2.0	1,000	10.0	500	N	150	300
JGF1142	31 1 49	111 12 35	2.00	.10	5.00	>2.0	1,000	30.0	1,500	N	200	150
JGF1144	31 1 40	111 11 22	1.50	.15	7.00	>2.0	2,000	10.0	<500	N	150	3,000
JGF1146	31 6 20	111 11 5	1.00	.10	.50	.2	1,000	30.0	5,000	N	150	10,000
JGF1148	31 6 18	111 10 59	1.00	.10	1.00	>2.0	1,500	15.0	<500	N	1,000	700
JGF1150	31 6 14	111 10 54	2.00	.15	.70	1.0	1,000	300.0	500	500	200	10,000
JGF1152	31 6 10	111 10 51	1.00	.10	.70	>2.0	500	15.0	N	N	200	500
JGF1154	31 6 11	111 10 16	1.00	.15	10.00	>2.0	700	5.0	N	N	70	300
JGF1156	31 6 11	111 10 8	2.00	.20	1.00	>2.0	1,000	5.0	<500	N	300	700
JGF1158	31 6 9	111 10 5	5.00	1.00	5.00	>2.0	2,000	7.0	<500	N	3,000	1,000
JGF1160	31 5 55	111 10 21	1.00	.10	.50	>2.0	1,000	10.0	N	N	100	500
JGF1162	31 5 42	111 10 15	1.00	.10	.50	>2.0	1,000	10.0	<500	N	150	500
JGF1164	31 5 38	111 10 11	1.00	.10	2.00	2.0	1,500	10.0	500	N	200	500
JGF1166	31 5 28	111 10 27	1.00	.10	1.00	>2.0	1,500	15.0	N	N	70	1,000
JGF1168	31 5 35	111 10 46	2.00	.15	.50	>2.0	1,500	15.0	<500	N	300	1,500
JGF1170	31 7 9	111 8 0	2.00	.20	.50	>2.0	1,500	20.0	N	N	200	1,000
JGF1172	31 6 45	111 8 0	1.50	.15	.30	>2.0	1,000	15.0	N	N	500	1,500
JGF1174	31 6 39	111 7 31	1.50	.15	.30	>2.0	1,000	15.0	N	N	150	1,000
JGF1176	31 6 27	111 7 23	.50	.10	.70	2.0	700	20.0	N	N	30	500
JGF1178	31 6 11	111 7 37	.50	.10	1.00	2.0	1,000	15.0	N	N	70	500
JGF1180	31 6 59	111 7 22	.70	.15	1.00	>2.0	1,000	15.0	N	N	150	500
JGF1182	31 6 59	111 7 28	2.00	.20	.20	>2.0	500	15.0	N	N	500	700
JGF1184	31 7 8	111 7 38	1.50	.05	.20	>2.0	300	15.0	N	N	70	700
JGF1186	31 7 50	111 8 32	1.00	.07	.50	2.0	500	15.0	N	N	100	3,000
JGF1188	31 7 42	111 8 46	1.50	.07	.20	2.0	1,500	15.0	N	N	100	700
JGF1190	31 7 36	111 8 49	1.00	.07	.10	.5	500	20.0	N	N	70	2,000
JGF1192	31 7 18	111 8 30	1.50	.10	.50	>2.0	500	15.0	N	N	70	2,000
JGF1194	31 7 10	111 8 12	1.00	.10	.70	>2.0	500	15.0	N	N	100	500
JGF1196	31 6 38	111 8 31	1.00	.15	1.50	>2.0	700	10.0	N	N	200	1,000
JGF1198	31 6 12	111 8 27	.70	.07	1.00	1.5	500	20.0	N	N	150	500
JGF1200	31 6 15	111 8 23	1.00	.10	.70	>2.0	700	20.0	N	N	70	500
JGF1202	31 7 16	111 6 49	1.50	.20	<.10	>2.0	300	15.0	N	N	50	1,000
JGF1204	31 7 6	111 6 52	1.00	.10	<.10	>2.0	200	15.0	N	N	30	>10,000
JGF1206	31 6 29	111 6 54	.70	.10	<.10	2.0	200	50.0	N	N	100	700
JGF1208	31 6 45	111 6 55	1.00	.20	.10	1.0	200	15.0	N	N	150	700
JGF1210	31 5 44	111 6 53	.50	.10	.15	1.5	200	15.0	N	N	50	500
JGF1212	31 5 48	111 6 58	.50	.07	.10	1.5	200	15.0	N	N	70	300

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
JGF1124	5	300	N	<10	<20	150	300	150	<50	N	2,000
JGF1126	2	500	N	<10	<20	200	70	>5,000	<50	100	>50,000
JGF1128	<2	700	N	10	<20	50	150	2,000	70	<10	10,000
JGF1130	2	100	N	<10	<20	10	50	300	50	<10	2,000
JGF1132	<2	150	500	<10	<20	150	100	5,000	<50	20	>50,000
JGF1134	N	200	200	<10	N	200	100	5,000	100	15	50,000
JGF1136	<2	200	500	10	<20	150	200	1,000	50	N	2,000
JGF1138	7	150	300	20	<20	150	1,000	300	50	N	7,000
JGF1140	2	50	N	10	<20	150	2,000	500	<50	N	1,000
JGF1142	2	70	1,000	10	<20	200	1,500	5,000	<50	50	>50,000
JGF1144	10	50	300	15	<20	150	500	2,000	50	N	30,000
JGF1146	100	2,000	N	<10	<20	500	300	500	<50	N	>50,000
JGF1148	15	1,500	N	<10	<20	200	300	100	N	N	3,000
JGF1150	50	>2,000	N	10	<20	200	200	500	N	N	20,000
JGF1152	200	2,000	N	<10	<20	150	700	70	<50	N	2,000
JGF1154	7	500	N	<10	<20	20	1,000	20	N	N	1,500
JGF1156	10	300	N	<10	<20	200	500	10	N	N	1,000
JGF1158	15	150	N	15	<20	150	1,000	50	<50	N	1,000
JGF1160	15	200	N	<10	<20	150	300	<10	<50	N	500
JGF1162	15	500	N	<10	<20	100	500	1,000	N	N	30,000
JGF1164	10	300	N	<10	<20	100	200	1,000	N	N	30,000
JGF1166	7	300	N	<10	<20	70	200	700	<50	N	30,000
JGF1168	5	300	700	<10	<20	150	100	1,000	<50	N	30,000
JGF1170	15	500	N	10	<20	100	200	1,000	<50	N	7,000
JGF1172	10	300	N	<10	<20	100	300	1,000	<50	N	20,000
JGF1174	15	1,000	N	10	<20	100	300	100	N	N	1,500
JGF1176	5	300	N	<10	<20	70	50	10	<50	N	1,000
JGF1178	5	300	N	<10	<20	100	70	30	<50	N	1,000
JGF1180	7	300	N	<10	<20	100	100	2,000	<50	N	50,000
JGF1182	30	150	N	10	<20	100	500	1,000	N	N	20,000
JGF1184	100	20	N	<10	<20	500	500	500	N	N	10,000
JGF1186	70	20	700	<10	<20	300	700	5,000	N	N	50,000
JGF1188	50	20	700	15	<20	200	100	1,000	N	N	5,000
JGF1190	70	20	500	<10	<20	500	100	>5,000	N	N	>50,000
JGF1192	30	200	N	<10	<20	200	500	1,500	N	N	30,000
JGF1194	10	<20	N	<10	<20	100	70	500	N	N	7,000
JGF1196	7	300	N	15	<20	100	100	70	N	N	2,000
JGF1198	5	150	N	<10	<20	70	100	700	N	N	5,000
JGF1200	5	<20	N	<10	<20	100	100	50	N	N	700
JGF1202	7	<20	N	<10	<20	70	100	700	70	<10	5,000
JGF1204	10	20	100	10	<20	300	100	>5,000	<50	<10	>50,000
JGF1206	3	150	N	<10	<20	200	50	200	<50	<10	5,000
JGF1208	2	300	N	<10	<20	30	<50	150	<50	<10	500
JGF1210	2	20	N	<10	<20	70	50	50	<50	<10	300
JGF1212	2	50	N	<10	<20	200	50	500	<50	<10	10,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF1124	N	>200	<20	N	70	<100	>1,000	N	>2,000	N
JGF1126	N	>200	70	<200	1,000	700	>1,000	N	>2,000	N
JGF1128	<200	>200	20	300	500	5,000	200	N	>2,000	N
JGF1130	<200	200	20	<200	200	1,000	200	N	>2,000	N
JGF1132	N	>200	20	<200	7,000	700	>1,000	1,000	>2,000	N
JGF1134	<200	>200	30	200	3,000	1,500	1,000	N	>2,000	N
JGF1136	N	>200	<20	300	200	500	500	1,000	>2,000	N
JGF1138	200	>200	<20	<200	500	300	500	2,000	>2,000	N
JGF1140	300	>200	<20	200	150	300	700	2,000	>2,000	N
JGF1142	<200	>200	50	200	20,000	300	1,000	1,000	>2,000	N
JGF1144	200	>200	20	300	1,500	1,000	700	1,000	>2,000	N
JGF1146	<200	>200	>2,000	1,000	200	100	1,000	N	>2,000	N
JGF1148	N	>200	30	300	150	<100	>1,000	<500	>2,000	N
JGF1150	<200	>200	>2,000	<200	100	<100	>1,000	N	>2,000	N
JGF1152	N	>200	150	<200	50	<100	>1,000	N	>2,000	N
JGF1154	N	>200	100	2,000	50	<100	>1,000	N	>2,000	N
JGF1156	<200	>200	30	<200	70	N	>1,000	N	>2,000	N
JGF1158	N	>200	100	700	70	<100	>1,000	N	>2,000	N
JGF1160	<200	>200	200	<200	50	N	>1,000	N	>2,000	N
JGF1162	N	>200	50	N	50	N	>1,000	N	>2,000	N
JGF1164	N	>200	2,000	300	1,000	<100	>1,000	N	>2,000	N
JGF1166	N	>200	150	300	100	200	1,000	N	>2,000	N
JGF1168	N	>200	1,500	N	1,000	<100	1,000	1,500	>2,000	N
JGF1170	N	>200	2,000	500	100	N	>1,000	N	>2,000	N
JGF1172	N	>200	1,000	300	50	N	>1,000	N	>2,000	N
JGF1174	N	>200	300	700	50	N	>1,000	N	>2,000	N
JGF1176	N	>200	2,000	<200	20	N	>1,000	N	>2,000	N
JGF1178	N	>200	1,000	N	30	150	>1,000	N	>2,000	N
JGF1180	N	>200	>2,000	N	30	N	>1,000	N	>2,000	N
JGF1182	N	>200	150	200	70	N	>1,000	N	>2,000	N
JGF1184	N	>200	200	200	300	N	>1,000	N	>2,000	N
JGF1186	N	>200	100	300	200	N	>1,000	1,000	>2,000	N
JGF1188	2,000	>200	N	<200	100	N	>1,000	>20,000	>2,000	N
JGF1190	<200	>200	300	<200	150	<100	>1,000	3,000	>2,000	N
JGF1192	300	>200	>2,000	300	70	<100	>1,000	N	>2,000	N
JGF1194	N	>200	100	500	30	300	>1,000	N	>2,000	N
JGF1196	N	>200	30	300	30	<100	>1,000	N	>2,000	N
JGF1198	N	>200	N	<200	20	200	>1,000	N	>2,000	N
JGF1200	N	>200	<20	<200	50	<100	>1,000	N	>2,000	N
JGF1202	N	>200	150	N	20	N	500	N	>2,000	N
JGF1204	N	>200	50	300	200	<100	1,000	1,000	>2,000	N
JGF1206	N	>200	150	200	100	N	>1,000	N	>2,000	N
JGF1208	N	>200	<20	<200	20	N	700	N	>2,000	N
JGF1210	N	>200	100	<200	30	N	1,000	N	>2,000	N
JGF1212	N	>200	150	N	150	N	1,000	N	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
JGF1214	31 6 38	111 6 37	.70	.10	.15	1.0	200	15.0	N	N	150	700
JGF1216	31 4 19	111 5 23	.70	.10	<.10	1.5	300	15.0	N	N	150	700
JGF1218	31 4 35	111 5 24	.70	.10	.15	2.0	200	15.0	N	N	150	10,000
JGF1220	31 4 38	111 6 24	.70	.07	<.10	1.0	200	15.0	N	N	150	500
JGF1222	31 4 50	111 6 13	.70	.15	.10	2.0	200	15.0	N	N	1,500	300
JGF1224	31 4 47	111 6 23	.70	.10	.10	2.0	300	15.0	N	N	100	500
JGF1226	31 5 9	111 6 58	.50	.07	.10	.5	200	15.0	N	N	30	700
JGF1228	31 5 2	111 6 48	.70	.10	.15	.7	300	15.0	N	N	200	500
JGF1230	31 5 5	111 6 36	.30	.07	.10	1.5	500	15.0	N	N	70	500
JGF1232	31 5 7	111 6 48	.50	.10	.20	.7	200	15.0	N	N	20	7,000
JGF1234	31 3 56	111 4 44	.70	.10	.70	>2.0	500	10.0	N	N	20	700
JGF1236	31 3 39	111 4 50	.70	.10	.30	2.0	300	10.0	N	N	50	500
JGF1238	31 3 41	111 4 45	.70	.10	<.10	>2.0	200	15.0	N	N	300	5,000
JGF1240	31 3 43	111 5 18	.70	.10	.10	>2.0	200	15.0	N	N	150	2,000
MMG0002	31 6 8	111 17 21	7.00	.20	3.00	>2.0	>10,000	<1.0	N	N	300	>10,000
MMG0005	31 6 13	111 17 20	5.00	.70	5.00	2.0	7,000	<1.0	N	N	500	10,000
MMG0008	31 6 8	111 17 24	10.00	.70	3.00	2.0	10,000	<1.0	N	N	1,000	7,000
MMG0011	31 6 9	111 17 31	10.00	.70	3.00	2.0	10,000	<1.0	N	N	700	>10,000
MMG0014	31 6 13	111 17 38	2.00	.50	15.00	>2.0	10,000	<1.0	N	N	N	>10,000
MMG0017	31 6 25	111 17 43	3.00	.30	15.00	2.0	>10,000	500.0	N	N	200	>10,000
MMG0020	31 6 33	111 17 36	7.00	.30	5.00	2.0	>10,000	<1.0	N	N	2,000	>10,000
MMG0023	31 4 13	111 19 44	2.00	.70	1.50	>2.0	3,000	<1.0	N	N	700	>10,000
MMG0026	31 4 16	111 19 48	10.00	1.00	1.50	>2.0	10,000	<1.0	N	N	3,000	1,500
MMG0029	31 3 48	111 19 53	5.00	.70	.50	>2.0	3,000	<1.0	N	N	700	1,000
MMG0032	31 3 43	111 19 50	7.00	.70	.50	>2.0	2,000	<1.0	N	N	500	1,500
MMG0035	31 12 0	111 10 0	3.00	.30	.50	>2.0	3,000	<1.0	N	N	200	1,500
MMG0038	31 11 41	111 10 11	5.00	.50	.50	>2.0	3,000	<1.0	1,000	N	100	2,000
MMG0041	31 11 32	111 10 12	1.50	.20	.50	>2.0	200	<1.0	N	N	70	1,500
MMG0047	31 11 0	111 10 2	10.00	.30	1.50	>2.0	2,000	<1.0	N	N	200	5,000
MMG0050	31 10 45	111 10 3	3.00	.20	2.00	2.0	300	N	N	N	70	500
MMG0056	31 10 39	111 10 22	1.00	1.00	3.00	>2.0	500	100.0	N	N	200	>10,000
MMG0059	31 10 31	111 10 38	7.00	.70	1.50	>2.0	5,000	<1.0	N	N	100	>10,000
MMG0062	31 10 26	111 10 54	1.00	.50	3.00	>2.0	2,000	150.0	1,000	N	50	>10,000
MMG0065	31 10 24	111 11 5	.70	.70	5.00	2.0	1,500	50.0	N	N	70	>10,000
MMG0068	31 10 32	111 11 20	5.00	.30	5.00	>2.0	5,000	<1.0	N	N	70	700
MMG0071	31 9 26	111 8 55	1.00	.07	1.00	>2.0	150	N	N	N	30	300
MMG0074	31 9 21	111 8 43	1.00	.07	2.00	>2.0	150	N	N	N	20	70
MMG0077	31 8 42	111 9 19	1.50	.07	2.00	>2.0	150	N	N	N	20	150
MMG0080	31 9 16	111 9 16	1.50	.10	1.50	>2.0	150	N	N	N	20	150
MMG0083	31 9 23	111 10 48	1.00	.07	.20	>2.0	100	N	N	N	30	300
MMG0086	31 9 6	111 9 38	1.50	.05	1.50	>2.0	150	N	N	N	30	100
MMG0089	31 10 47	111 12 0	1.50	.10	2.00	>2.0	300	N	N	N	30	150
MMG0092	31 10 43	111 12 31	1.00	.07	1.50	>2.0	300	N	N	N	30	150
MMG0098	31 10 54	111 13 18	1.00	.30	2.00	>2.0	500	N	N	N	200	700
MMG0101	31 10 21	111 7 1	.20	.20	.30	2.0	200	N	2,000	N	30	700

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm	Bi-ppm	Cd-ppm	Co-ppm	Cr-ppm	Cu-ppm	La-ppm	Mo-ppm	Nb-ppm	Ni-ppm	Pb-ppm
	s	s	s	s	s	s	s	s	s	s	s
JGF1214	2	70	N	<10	<20	100	<50	300	<50	<10	3,000
JGF1216	2	150	N	<10	<20	50	100	30	<50	<10	200
JGF1218	2	150	N	<10	<20	70	50	300	<50	<10	5,000
JGF1220	3	50	N	<10	<20	150	200	2,000	<50	<10	>50,000
JGF1222	5	30	N	<10	<20	30	150	70	<50	<10	700
JGF1224	5	30	N	<10	<20	70	300	70	<50	<10	1,000
JGF1226	3	70	N	<10	<20	15	50	20	<50	<10	300
JGF1228	3	200	N	<10	<20	50	150	1,000	<50	<10	30,000
JGF1230	2	150	N	<10	<20	20	<50	30	<50	<10	300
JGF1232	2	100	N	<10	<20	15	50	50	<50	<10	500
JGF1234	3	70	N	15	<20	70	1,000	100	<50	<10	700
JGF1236	3	150	N	15	<20	100	150	5,000	50	<10	30,000
JGF1238	7	500	N	<10	<20	200	500	1,000	100	<10	20,000
JGF1240	7	500	N	10	<20	70	200	1,000	<50	<10	30,000
MMG0002	N	70	N	N	70	150	<50	700	N	10,000	30,000
MMG0005	5	<20	N	20	100	200	200	100	N	3,000	30,000
MMG0008	N	500	N	N	50	150	200	N	N	7,000	5,000
MMG0011	N	500	N	N	100	300	200	1,000	N	3,000	5,000
MMG0014	N	300	N	10	30	70	1,000	N	50	500	30,000
MMG0017	N	700	N	N	<20	150	100	1,000	<50	3,000	50,000
MMG0020	30	300	N	50	100	300	<50	1,000	N	10,000	2,000
MMG0023	20	N	N	N	50	100	200	N	100	10,000	200
MMG0026	10	N	N	N	200	70	500	N	50	5,000	300
MMG0029	10	N	N	N	70	70	200	N	70	10,000	300
MMG0032	10	N	N	N	70	50	100	N	50	10,000	200
MMG0035	50	N	N	N	20	50	>2,000	N	<50	10,000	300
MMG0038	30	N	N	N	20	70	>2,000	N	<50	7,000	300
MMG0041	30	N	N	N	<20	50	1,000	N	<50	10,000	300
MMG0047	10	1,000	N	10	50	50	500	10	50	1,500	1,000
MMG0050	10	N	N	N	50	20	700	N	50	2,000	500
MMG0056	70	N	N	N	20	300	1,000	N	50	1,000	3,000
MMG0059	20	N	N	20	70	100	700	N	70	1,000	3,000
MMG0062	7	N	N	N	<20	300	500	N	70	1,000	5,000
MMG0065	15	N	N	N	20	300	1,000	70	50	7,000	15,000
MMG0068	5	N	N	N	50	50	500	N	70	500	700
MMG0071	N	N	N	<10	<20	<10	150	N	N	<10	200
MMG0074	N	N	N	<10	<20	<10	100	N	N	<10	70
MMG0077	N	N	N	<10	<20	<10	150	N	N	<10	30
MMG0080	N	N	N	<10	<20	<10	150	N	N	<10	70
MMG0083	N	<20	N	<10	<20	<10	150	N	N	<10	300
MMG0086	N	N	N	<10	<20	<10	200	N	N	<10	100
MMG0089	N	N	N	<10	<20	<10	200	N	N	<10	150
MMG0092	N	N	N	<10	<20	15	200	N	N	<10	100
MMG0098	N	N	N	<10	<20	15	200	N	N	<10	300
MMG0101	20	N	N	N	<20	150	200	200	N	2,000	>50,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
JGF1214	N	>200	200	<200	20	100	1,000	N	>2,000	N
JGF1216	N	>200	20	N	150	<100	700	N	>2,000	N
JGF1218	N	>200	70	200	20	<100	700	N	>2,000	N
JGF1220	N	>200	50	<200	70	N	>1,000	N	>2,000	N
JGF1222	N	>200	70	<200	50	N	>1,000	N	>2,000	N
JGF1224	N	>200	20	<200	50	N	>1,000	N	>2,000	N
JGF1226	N	>200	<20	N	20	N	>1,000	N	>2,000	N
JGF1228	N	>200	20	<200	30	N	>1,000	N	>2,000	N
JGF1230	N	>200	2,000	N	50	<100	1,000	N	>2,000	N
JGF1232	N	>200	<20	<200	70	<100	1,000	N	>2,000	N
JGF1234	N	>200	100	N	150	<100	>1,000	N	>2,000	N
JGF1236	N	200	150	<200	100	500	1,000	N	>2,000	N
JGF1238	N	200	100	700	150	<100	700	N	>2,000	N
JGF1240	N	>200	70	200	100	150	>1,000	N	>2,000	N
MMG0002	N	100	N	500	2,000	500	100	1,000	>2,000	N
MMG0005	N	200	N	500	5,000	N	500	N	>2,000	N
MMG0008	N	200	N	500	500	N	500	1,000	>2,000	N
MMG0011	N	100	N	1,000	7,000	2,000	150	20,000	>2,000	N
MMG0014	N	200	N	1,500	5,000	700	500	N	>2,000	N
MMG0017	N	200	N	500	7,000	2,000	500	N	>2,000	N
MMG0020	N	200	N	300	500	1,500	500	N	>2,000	N
MMG0023	N	200	50	N	100	N	>1,000	2,000	>2,000	N
MMG0026	N	150	N	500	200	N	>1,000	2,000	>2,000	N
MMG0029	N	200	N	200	100	N	>1,000	N	>2,000	N
MMG0032	N	200	N	200	100	N	>1,000	2,000	>2,000	N
MMG0035	N	200	N	700	50	N	>1,000	N	>2,000	N
MMG0038	N	200	N	500	100	N	>1,000	N	>2,000	N
MMG0041	N	>200	700	N	50	N	>1,000	N	>2,000	N
MMG0047	200	200	>2,000	200	200	N	>1,000	N	>2,000	N
MMG0050	N	>200	50	N	200	N	>1,000	N	>2,000	N
MMG0056	500	>200	20	500	100	N	>1,000	N	>2,000	N
MMG0059	700	>200	N	500	150	N	500	N	>2,000	N
MMG0062	1,500	200	N	700	70	N	500	N	>2,000	N
MMG0065	N	>200	N	700	1,000	N	>1,000	N	>2,000	N
MMG0068	N	70	N	200	200	N	150	N	>2,000	N
MMG0071	N	N	200	200	50	N	500	N	>2,000	N
MMG0074	N	N	20	N	50	N	>1,000	N	1,500	N
MMG0077	N	10	100	200	70	500	500	N	>2,000	N
MMG0080	N	15	150	300	50	500	500	N	>2,000	N
MMG0083	N	1,000	1,000	N	30	500	500	N	>2,000	N
MMG0086	N	50	100	200	50	>20,000	>500	N	>2,000	N
MMG0089	N	N	70	N	70	N	500	N	>2,000	N
MMG0092	N	N	70	200	70	N	>1,000	N	>2,000	N
MMG0098	N	N	70	200	70	N	500	N	>2,000	N
MMG0101	N	>200	50	N	10,000	N	>1,000	1,000	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
MMG0104	31 10 22	111 7 7	1.00	.20	.70	2.0	500	N	N	N	20	2,000
MMG0107	31 10 18	111 7 23	1.00	.20	.50	2.0	100	N	N	N	30	>10,000
PKT0002	31 6 56	111 15 35	.20	.05	1.00	1.0	500	<1.0	3,000	N	N	500
PKT0003	31 6 56	111 15 35	.70	.50	5.00	>2.0	2,000	<1.0	1,000	N	50	N
PKT0007	31 5 41	111 14 51	.15	.05	15.00	1.0	500	<1.0	3,000	N	N	700
PKT0010	31 5 38	111 14 58	.70	.05	15.00	2.0	700	<1.0	500	N	N	N
PKT0013	31 5 26	111 14 53	1.50	.15	10.00	>2.0	1,000	<1.0	N	N	N	1,500
PKT0016	31 5 20	111 14 43	.70	.10	7.00	>2.0	200	500.0	N	N	N	N
PKT0019	31 5 16	111 14 47	.20	.10	1.50	2.0	200	<1.0	N	N	N	N
PKT0022	31 4 38	111 14 23	10.00	.30	10.00	2.0	7,000	<1.0	N	N	1,000	200
PKT0025	31 4 30	111 14 15	.20	.15	1.50	.2	300	<1.0	N	N	N	N
PKT0031	31 4 11	111 13 47	2.00	.10	5.00	>2.0	300	<1.0	N	N	50	700
PKT0034	31 4 22	111 13 35	1.50	.30	10.00	>2.0	2,000	<1.0	1,000	<20	70	<50
PKT0037	31 4 27	111 13 37	10.00	.50	15.00	2.0	7,000	<1.0	N	N	1,500	500
PKT0040	31 3 36	111 4 33	10.00	.30	20.00	1.5	5,000	<1.0	N	N	300	<50
PKT0043	31 3 42	111 14 56	2.00	.20	10.00	>2.0	1,500	<1.0	N	N	500	700
PKT0046	31 3 18	111 13 37	1.00	.15	10.00	>2.0	1,000	<1.0	5,000	N	N	<50
PKT0049	31 3 16	111 13 41	15.00	.50	10.00	2.0	5,000	<1.0	3,000	N	1,000	700
PKT0052	31 3 36	111 14 11	1.00	.10	7.00	>2.0	700	<1.0	N	N	N	5,000
PKT0055	31 3 17	111 15 42	1.50	.30	7.00	>2.0	700	<1.0	N	N	20	1,000
PKT0058	31 3 26	111 15 37	5.00	.50	10.00	>2.0	1,500	<1.0	N	50	3,000	200
PKT0063	31 3 31	111 15 18	1.00	.50	10.00	>2.0	200	<1.0	N	20	5,000	>10,000
PKT0066	31 8 55	111 12 10	.30	.05	.50	2.0	300	<1.0	N	N	N	300
PKT0072	31 9 5	111 12 14	5.00	.50	2.00	2.0	10,000	<1.0	N	N	3,000	1,500
PKT0075	31 9 7	111 12 8	7.00	.70	1.50	>2.0	10,000	<1.0	N	N	1,000	700
PKT0078	31 8 12	111 13 12	7.00	.30	3.00	2.0	10,000	<1.0	N	N	500	700
PKT0081	31 8 13	111 13 8	2.00	.50	1.50	>2.0	700	<1.0	N	N	1,000	>10,000
PKT0084	31 8 1	111 12 58	5.00	.50	3.00	2.0	7,000	<1.0	N	N	1,500	1,000
PKT0087	31 7 57	111 12 53	7.00	.70	3.00	2.0	10,000	<1.0	N	N	500	1,500
PKT0090	31 7 39	111 13 18	1.00	.20	10.00	2.0	500	<1.0	N	N	100	1,000
PKT0093	31 7 35	111 13 29	7.00	.20	3.00	>2.0	7,000	<1.0	N	N	200	700
PKT0096	31 7 23	111 13 37	7.00	.30	3.00	>2.0	10,000	<1.0	N	N	300	1,500
PKT0099	31 4 33	111 15 44	1.00	.10	3.00	>2.0	700	<1.0	N	N	100	2,000
PKT0102	31 4 31	111 15 50	.70	.10	5.00	>2.0	500	<1.0	N	N	50	5,000
PKT0105	31 4 29	111 15 58	.30	.10	2.00	>2.0	200	<1.0	N	N	70	10,000
PKT0116	31 6 13	111 11 7	1.00	.30	2.00	>2.0	1,000	<1.0	N	N	2,000	3,000
PKT0119	31 10 14	111 13 46	7.00	.20	.30	>2.0	10,000	<1.0	N	N	20	5,000
PKT0125	31 8 59	111 13 30	7.00	1.00	3.00	2.0	10,000	<1.0	N	N	1,000	3,000
PKT0128	31 9 51	111 13 53	.50	.20	1.50	>2.0	1,500	<1.0	600	N	70	2,000
RLT0725	31 4 43	111 14 42	3.00	.50	10.00	1.0	5,000	<1.0	<500	N	700	500
RLT0728	31 4 41	111 14 49	.20	.20	1.50	>2.0	300	<1.0	N	N	N	200
RLT0731	31 1 30	111 18 38	15.00	.20	10.00	1.5	3,000	<1.0	N	N	1,000	500
RLT0734	31 4 29	111 14 49	10.00	1.50	10.00	>2.0	3,000	<1.0	N	N	>5,000	500
RLT0737	31 1 37	111 18 17	1.50	.20	5.00	>2.0	1,000	<1.0	N	70	50	<50
RLT0740	31 1 41	111 17 45	3.00	.15	10.00	>2.0	1,500	<1.0	N	N	100	500

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
MMG0104	7	N	N	N	<20	100	500	5,000	70	5,000	30,000
MMG0107	5	N	N	N	<20	150	<50	N	50	7,000	500
PKT0002	2	20	1,000	N	100	1,000	500	500	70	3,000	>50,000
PKT0003	30	70	300	N	10,000	700	500	1,500	70	5,000	>50,000
PKT0007	N	30	1,000	N	150	100	500	1,500	70	5,000	>50,000
PKT0010	N	50	500	N	<20	300	500	1,000	50	5,000	>50,000
PKT0013	N	500	N	N	30	150	N	700	<50	300	50,000
PKT0016	N	50	N	N	<20	150	500	>5,000	<50	500	>50,000
PKT0019	N	70	500	<10	20	1,500	700	>5,000	70	100	50,000
PKT0022	N	<20	N	10	<20	100	300	500	N	300	50,000
PKT0025	N	N	N	N	100	150	N	>5,000	<50	N	>50,000
PKT0031	N	N	N	N	<20	70	N	200	100	5,000	7,000
PKT0034	20	N	N	N	<20	300	N	>5,000	70	1,000	>50,000
PKT0037	7	N	N	<10	50	150	700	150	<50	300	50,000
PKT0040	N	<20	N	N	20	300	500	>5,000	N	100	>50,000
PKT0043	N	200	N	N	30	50	N	300	70	200	10,000
PKT0046	2	700	N	N	<20	1,500	200	>5,000	100	500	>50,000
PKT0049	N	50	N	<10	20	700	500	>5,000	<50	200	>50,000
PKT0052	15	N	N	N	20	200	N	2,000	50	1,000	>50,000
PKT0055	N	N	N	N	20	70	200	2,000	<50	300	50,000
PKT0058	2	>2,000	N	10	<20	150	200	500	50	200	5,000
PKT0063	N	2,000	N	N	20	2,000	N	>5,000	50	300	>50,000
PKT0066	5	N	N	N	<20	50	100	20	50	10,000	300
PKT0072	7	70	N	10	<20	150	300	N	<50	300	3,000
PKT0075	7	N	N	N	20	100	<50	N	N	1,000	1,500
PKT0078	20	N	N	50	<20	100	150	50	N	1,000	2,000
PKT0081	20	>2,000	N	N	20	150	200	2,000	50	3,000	50,000
PKT0084	7	N	N	20	50	70	500	3,000	N	700	30,000
PKT0087	10	300	N	30	50	150	100	20	N	1,000	3,000
PKT0090	20	70	N	N	<20	100	300	100	<50	2,000	700
PKT0093	15	N	N	30	70	100	70	20	N	1,500	1,000
PKT0096	5	N	N	30	50	200	200	20	<50	300	30,000
PKT0099	30	N	N	N	<20	100	N	2,000	70	2,000	50,000
PKT0102	N	20	N	N	<20	150	N	5,000	<50	2,000	50,000
PKT0105	N	20	N	N	<20	150	<50	5,000	<50	300	50,000
PKT0116	10	>2,000	N	N	50	100	700	50	<50	2,000	3,000
PKT0119	15	20	N	10	<20	300	700	1,000	70	200	20,000
PKT0125	10	50	N	10	70	150	500	3,000	50	200	20,000
PKT0128	15	N	N	N	70	150	1,000	3,000	N	1,000	50,000
RLT0725	N	700	500	N	<20	300	200	>5,000	50	200	>50,000
RLT0728	N	N	N	<10	20	70	<50	200	70	5,000	30,000
RLT0731	2	N	N	20	150	150	300	500	N	70	2,000
RLT0734	N	N	N	20	50	200	300	500	70	100	15,000
RLT0737	30	<20	N	N	50	200	1,000	150	50	1,000	1,000
RLT0740	N	N	N	N	50	100	100	300	100	200	3,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
MMG0104	N	>200	N	N	50	N	>1,000	N	>2,000	N
MMG0107	N	>200	N	N	100	N	>1,000	N	>2,000	N
PKT0002	1,000	70	N	N	20,000	500	200	10,000	>2,000	N
PKT0003	1,000	200	N	N	20,000	700	200	5,000	>2,000	N
PKT0007	1,000	200	N	N	20,000	500	200	N	>2,000	N
PKT0010	500	150	N	N	15,000	2,000	300	N	>2,000	N
PKT0013	N	100	N	200	1,500	1,000	150	N	>2,000	N
PKT0016	N	70	100	N	10,000	2,000	100	N	>2,000	N
PKT0019	N	70	200	N	20,000	500	>1,000	N	>2,000	N
PKT0022	N	150	N	700	5,000	5,000	150	N	>2,000	N
PKT0025	N	30	200	N	20,000	700	70	N	>2,000	N
PKT0031	N	200	N	N	200	150	>1,000	N	>2,000	N
PKT0034	N	200	N	N	20,000	5,000	200	N	>2,000	N
PKT0037	N	50	N	500	5,000	200	>1,000	<500	>2,000	N
PKT0040	N	100	150	700	15,000	3,000	150	N	>2,000	N
PKT0043	N	70	N	<200	500	2,000	100	N	>2,000	N
PKT0046	N	200	70	N	20,000	5,000	500	N	>2,000	N
PKT0049	N	50	200	500	10,000	1,500	500	<500	>2,000	N
PKT0052	N	200	20	N	5,000	1,500	300	N	>2,000	N
PKT0055	N	200	20	200	1,500	>20,000	150	N	>2,000	N
PKT0058	N	30	N	N	700	>20,000	200	N	>2,000	N
PKT0063	N	150	N	300	10,000	>20,000	70	N	>2,000	N
PKT0066	N	50	N	N	700	N	150	N	>2,000	N
PKT0072	N	70	N	200	100	N	200	N	>2,000	N
PKT0075	N	200	20	500	150	N	>1,000	N	>2,000	N
PKT0078	N	200	N	200	100	5,000	200	N	>2,000	N
PKT0081	N	200	20	500	300	2,000	>1,000	N	>2,000	N
PKT0084	N	200	N	500	300	500	150	N	>2,000	N
PKT0087	N	>200	N	500	150	150	150	N	>2,000	N
PKT0090	N	200	N	500	150	100	>1,000	N	>2,000	N
PKT0093	N	200	20	200	150	150	300	N	>2,000	N
PKT0096	N	150	N	200	500	N	150	N	>2,000	N
PKT0099	N	200	N	N	2,000	500	>1,000	10,000	>2,000	N
PKT0102	N	150	50	N	2,000	1,500	150	5,000	>2,000	N
PKT0105	N	20	N	N	1,500	700	70	<500	>2,000	N
PKT0116	N	>200	>2,000	N	200	150	>1,000	N	>2,000	N
PKT0119	N	70	20	200	300	300	300	N	>2,000	N
PKT0125	N	70	2,000	500	150	700	200	N	>2,000	N
PKT0128	N	200	N	700	2,000	150	200	N	>2,000	N
RLT0725	N	70	50	200	10,000	1,500	150	N	>2,000	N
RLT0728	N	>200	20	N	3,000	300	>1,000	N	>2,000	N
RLT0731	N	70	N	2,000	500	150	70	N	>2,000	N
RLT0734	N	100	N	1,000	2,000	3,000	150	N	>2,000	N
RLT0737	N	200	<20	200	50	5,000	>1,000	N	>2,000	N
RLT0740	N	200	N	N	50	2,000	500	N	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
RLT0743	31 2 19	111 17 18	5.00	.70	7.00	>2.0	1,500	<1.0	N	N	150	500
RLT0748	31 9 49	111 11 56	2.00	.15	3.00	>2.0	300	<1.0	N	N	70	10,000
RLT0752	31 5 50	111 15 59	.50	.15	10.00	>2.0	1,000	700.0	N	N	N	200
RLT0755	31 5 48	111 15 54	1.50	.30	10.00	>2.0	1,500	<1.0	N	N	1,000	>10,000
RLT0758	31 6 16	111 15 36	.10	.15	1.00	.5	200	<1.0	N	N	N	500
RLT0761	31 9 42	111 11 57	1.50	.15	7.00	>2.0	300	<1.0	N	N	100	500
RLT0770	31 8 22	111 9 30	.50	.15	3.00	>2.0	300	<1.0	N	N	70	700
RLT0773	31 8 21	111 9 6	1.50	.10	.20	>2.0	200	<1.0	N	N	1,000	200
RLT0776	31 7 59	111 7 58	.50	<.05	.50	>2.0	200	<1.0	N	N	200	200
RLT0779	31 6 42	111 5 57	5.00	.70	.20	>2.0	5,000	<1.0	N	N	>5,000	700
RLT0782	31 7 29	111 6 42	2.00	.15	.20	>2.0	200	<1.0	N	N	100	700
RLT0785	31 7 44	111 7 8	2.00	.30	.20	>2.0	300	<1.0	N	N	50	3,000
RLT0788	31 7 2	111 6 20	1.50	.10	.30	>2.0	300	<1.0	N	N	70	500
RLT0791	31 7 36	111 7 34	2.00	.15	.15	>2.0	300	<1.0	N	N	70	500
RLT0794	31 7 37	111 7 38	1.00	.10	.30	2.0	300	<1.0	N	N	200	500
RLT0800	31 8 37	111 14 17	1.00	.50	3.00	2.0	500	<1.0	N	N	N	700
RLT0803	31 6 49	111 10 21	1.50	.30	1.00	>2.0	500	<1.0	N	N	700	1,000
RLT0806	31 6 47	111 10 24	1.50	.30	.50	>2.0	300	<1.0	N	N	500	1,000
RLT0809	31 7 3	111 10 30	2.00	.50	.50	>2.0	500	20.0	N	300	2,000	2,000
RLT0812	31 7 6	111 10 35	1.50	.30	.50	>2.0	300	<1.0	N	N	300	1,500
RLT0815	31 7 43	111 10 49	.70	.10	<.10	.7	100	20.0	N	50	200	500
RLT0818	31 7 11	111 9 48	1.00	.20	.50	>2.0	200	<1.0	N	N	50	700
RLT0821	31 7 5	111 9 46	.70	.20	.70	>2.0	200	<1.0	N	N	300	500
RLT0824	31 7 19	111 10 5	1.00	.30	.50	>2.0	300	<1.0	N	N	500	700
RLT0827	31 11 2	111 7 55	1.00	.30	7.00	>2.0	700	<1.0	5,000	N	70	7,000
RLT0830	31 10 50	111 8 7	.70	.20	.20	>2.0	500	<1.0	N	N	70	1,000
RLT0833	31 10 45	111 8 14	3.00	.50	1.50	>2.0	1,500	<1.0	N	N	200	1,500
RLT0836	31 10 47	111 8 37	3.00	.30	.50	>2.0	1,500	<1.0	5,000	N	70	>10,000
RLT0839	31 11 14	111 8 25	2.00	.30	.20	>2.0	300	<1.0	N	N	100	2,000
RLT0842	31 10 52	111 8 54	2.00	.30	.70	>2.0	700	<1.0	5,000	N	150	1,500
RLT0845	31 10 56	111 8 56	1.50	.30	1.50	>2.0	300	<1.0	N	N	50	1,500
RLT0848	31 6 13	111 16 27	1.50	.15	7.00	>2.0	500	7.0	N	N	30	500
RLT0851	31 6 9	111 16 30	.20	.10	1.00	1.5	200	30.0	700	N	<20	70
RLT0854	31 6 10	111 16 37	.70	.10	10.00	>2.0	300	10.0	N	N	<20	150
RLT0857	31 6 14	111 16 39	1.00	.20	10.00	>2.0	1,500	10.0	<500	N	50	10,000
RLT0860	31 5 25	111 16 6	.70	.20	10.00	>2.0	1,000	3.0	<500	N	<20	700
RLT0863	31 5 20	111 16 6	.70	.20	10.00	>2.0	1,500	7.0	<500	N	100	200
RLT0866	31 5 16	111 16 1	1.00	.20	10.00	>2.0	1,000	10.0	<500	N	100	>10,000
RLT0869	31 5 8	111 15 58	1.50	.20	10.00	>2.0	1,000	15.0	<500	N	500	>10,000
RLT0872	31 5 8	111 17 20	2.00	.30	10.00	>2.0	1,500	7.0	<500	N	1,000	3,000
RLT0875	31 5 10	111 17 18	1.50	.50	10.00	>2.0	1,500	10.0	500	N	3,000	1,500
RLT0878	31 5 39	111 16 57	.20	.15	15.00	>2.0	1,500	10.0	<500	N	100	>10,000
RLT0881	31 5 43	111 16 53	.50	.15	15.00	>2.0	1,500	70.0	<500	N	20	5,000
RLT0884	31 5 50	111 17 3	.70	.15	15.00	>2.0	1,500	7.0	<500	N	70	3,000
RLT0887	31 5 13	111 17 3	.70	.05	3.00	1.0	300	15.0	2,000	N	70	>10,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
RLT0743	2	N	N	N	70	70	500	1,500	50	200	3,000
RLT0748	2	N	N	N	50	20	700	500	50	2,000	10,000
RLT0752	N	N	N	<10	20	300	200	1,500	50	700	>50,000
RLT0755	N	N	N	N	20	100	200	1,500	50	200	50,000
RLT0758	N	150	N	<10	50	1,500	700	2,000	50	150	>50,000
RLT0761	10	N	N	N	<20	100	1,000	100	100	5,000	500
RLT0770	10	200	N	N	<20	100	500	150	N	2,000	1,500
RLT0773	15	N	N	N	<20	70	300	200	200	10,000	700
RLT0776	30	N	N	N	<20	100	N	5,000	N	10,000	>50,000
RLT0779	20	N	N	N	50	200	300	200	200	200	5,000
RLT0782	20	N	N	N	<20	200	300	200	200	5,000	>50,000
RLT0785	15	50	N	<10	20	150	500	200	150	3,000	30,000
RLT0788	10	700	N	<10	<20	150	100	700	50	7,000	15,000
RLT0791	20	50	N	N	<20	150	N	700	200	2,000	7,000
RLT0794	2	N	N	N	<20	70	500	500	70	700	1,500
RLT0800	5	N	N	<10	<20	200	<50	50	N	3,000	3,000
RLT0803	10	>2,000	N	<10	<20	200	300	100	N	3,000	30,000
RLT0806	15	>2,000	N	<10	<20	500	500	200	<50	2,000	>50,000
RLT0809	15	>2,000	N	N	20	500	500	>5,000	<50	3,000	>50,000
RLT0812	300	1,500	N	<10	<20	200	500	100	50	1,500	20,000
RLT0815	15	2,000	N	N	<20	500	<50	5,000	<50	10,000	30,000
RLT0818	20	N	N	<10	<20	150	500	50	<50	2,000	700
RLT0821	10	N	N	<10	<20	100	500	20	<50	5,000	1,500
RLT0824	10	N	N	<10	<20	150	500	100	70	5,000	10,000
RLT0827	70	100	N	<10	<20	700	>2,000	20	50	1,000	10,000
RLT0830	20	<20	N	N	<20	500	1,000	<10	70	5,000	15,000
RLT0833	30	20	N	<10	50	70	700	N	50	2,000	200
RLT0836	15	200	N	<10	<20	100	1,500	100	50	1,500	3,000
RLT0839	20	N	N	<10	20	70	500	N	50	2,000	1,000
RLT0842	30	N	N	<10	20	150	2,000	20	N	2,000	1,500
RLT0845	30	N	N	<10	<20	70	1,000	20	50	1,500	1,000
RLT0848	N	<20	N	20	20	50	100	100	50	N	1,000
RLT0851	N	150	>1,000	<10	30	300	2,000	>5,000	<50	N	>50,000
RLT0854	<2	30	>1,000	<10	20	150	500	3,000	50	N	>50,000
RLT0857	2	500	500	<10	<20	70	200	500	50	N	30,000
RLT0860	N	150	300	<10	<20	50	100	500	<50	N	50,000
RLT0863	N	<20	N	<10	<20	150	150	500	<50	N	20,000
RLT0866	N	<20	N	<10	<20	100	50	500	<50	N	20,000
RLT0869	<2	300	300	<10	<20	150	70	5,000	<50	N	>50,000
RLT0872	2	100	500	10	<20	100	700	500	<50	N	50,000
RLT0875	2	700	N	<10	<20	200	1,500	500	<50	N	15,000
RLT0878	N	300	N	<10	<20	200	1,000	1,000	<50	N	50,000
RLT0881	<2	150	700	<10	<20	500	500	1,000	<50	N	>50,000
RLT0884	<2	200	N	<10	<20	100	50	300	<50	N	15,000
RLT0887	7	30	>1,000	<10	20	100	500	5,000	<50	N	>50,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
RLT0743	N	100	<20	200	300	10,000	500	N	>2,000	N
RLT0748	N	200	20	300	200	150	500	N	>2,000	N
RLT0752	N	200	N	N	15,000	1,000	>1,000	N	>2,000	N
RLT0755	N	150	<20	N	7,000	5,000	300	N	>2,000	N
RLT0758	N	100	50	N	20,000	1,000	100	2,000	>2,000	N
RLT0761	N	200	<20	N	50	100	>1,000	N	>2,000	N
RLT0770	N	200	N	N	50	N	>1,000	N	>2,000	N
RLT0773	N	>200	20	N	50	N	>1,000	N	>2,000	N
RLT0776	N	>200	N	N	100	N	>1,000	N	>2,000	N
RLT0779	N	200	20	N	70	100	>1,000	N	>2,000	N
RLT0782	N	>200	<20	N	50	N	>1,000	N	>2,000	N
RLT0785	N	>200	20	N	1,500	N	>1,000	N	>2,000	N
RLT0788	N	>200	20	N	150	N	>1,000	N	>2,000	N
RLT0791	N	>200	2,000	N	50	N	>1,000	N	>2,000	N
RLT0794	N	100	20	N	20	N	300	N	>2,000	N
RLT0800	N	>200	70	200	500	100	>1,000	N	>2,000	N
RLT0803	N	>200	100	500	300	100	>1,000	N	>2,000	N
RLT0806	N	>200	300	300	150	N	>1,000	N	>2,000	N
RLT0809	N	>200	>2,000	1,500	100	N	>1,000	<500	>2,000	N
RLT0812	N	>200	N	300	100	N	>1,000	N	>2,000	N
RLT0815	N	>200	N	N	2,000	N	>1,000	<500	>2,000	N
RLT0818	N	>200	70	N	200	100	>1,000	N	>2,000	5,000
RLT0821	N	>200	N	N	200	N	>1,000	N	>2,000	N
RLT0824	N	>200	N	700	100	N	>1,000	N	>2,000	N
RLT0827	N	>200	>2,000	1,000	700	N	>1,000	N	>2,000	N
RLT0830	N	200	N	200	500	N	500	<500	>2,000	N
RLT0833	N	>200	70	300	100	N	>1,000	N	>2,000	N
RLT0836	N	>200	N	500	150	N	>1,000	N	>2,000	N
RLT0839	N	>200	N	700	100	N	>1,000	N	>2,000	N
RLT0842	N	>200	N	500	200	N	>1,000	N	>2,000	N
RLT0845	N	>200	200	200	200	N	>1,000	N	>2,000	N
RLT0848	N	>200	30	200	200	<100	500	N	>2,000	N
RLT0851	700	>200	50	N	>20,000	700	500	2,000	>2,000	N
RLT0854	<200	>200	20	300	>20,000	1,000	700	N	>2,000	N
RLT0857	N	>200	<20	500	2,000	2,000	700	500	>2,000	N
RLT0860	N	100	20	500	3,000	500	1,000	<500	>2,000	N
RLT0863	N	150	20	1,000	2,000	1,000	>1,000	N	>2,000	N
RLT0866	N	70	<20	5,000	1,500	300	1,000	N	>2,000	N
RLT0869	<200	>200	30	1,000	5,000	700	700	1,000	>2,000	N
RLT0872	N	>200	20	700	5,000	700	>1,000	N	>2,000	N
RLT0875	<200	>200	<20	300	300	200	>1,000	<500	>2,000	N
RLT0878	N	>200	<20	5,000	2,000	300	>1,000	<500	>2,000	N
RLT0881	N	>200	<20	700	20,000	500	>1,000	3,000	>2,000	N
RLT0884	<200	50	20	700	1,000	<100	500	3,000	>2,000	N
RLT0887	<200	>200	20	300	>20,000	300	700	N	>2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
RLT0890	31 4 54	111 16 56	3.00	.10	10.00	>2.0	1,000	10.0	<500	N	200	3,000
RLT0893	31 4 37	111 16 52	1.00	.15	10.00	>2.0	2,000	7.0	<500	N	200	2,000
RLT0896	31 3 17	111 14 15	1.00	.10	10.00	>2.0	1,000	10.0	N	N	50	7,000
RLT0899	31 3 17	111 14 10	.50	<.05	5.00	2.0	200	20.0	7,000	N	<20	1,500
RLT0902	31 3 9	111 13 42	1.00	.10	10.00	>2.0	1,000	15.0	500	N	50	1,500
RLT0905	31 3 9	111 13 39	.70	.10	7.00	>2.0	1,500	7.0	500	N	150	1,500
RLT0908	31 3 14	111 13 16	.70	.05	5.00	>2.0	500	70.0	7,000	N	50	1,000
RLT0911	31 3 17	111 13 17	2.00	.15	5.00	>2.0	1,500	15.0	1,000	N	1,000	300
RLT0914	31 3 14	111 13 31	5.00	.70	50.00	>2.0	7,000	70.0	3,000	N	1,000	1,000
RLT0917	31 3 36	111 13 48	1.50	.05	7.00	>2.0	3,000	15.0	500	N	100	300
RLT0920	31 3 44	111 14 4	.70	.10	10.00	>2.0	2,000	10.0	<500	N	70	200
RLT0923	31 3 34	111 14 2	.50	.07	7.00	>2.0	1,000	20.0	700	N	<20	150
RLT0926	31 2 36	111 14 49	2.00	.20	10.00	>2.0	1,500	<1.0	500	N	500	200
RLT0929	31 2 34	111 14 46	1.50	.20	7.00	>2.0	1,000	3.0	N	N	150	3,000
RLT0932	31 2 28	111 14 49	2.00	1.00	10.00	>2.0	2,000	<1.0	N	N	700	500
RLT0935	31 1 46	111 15 46	1.00	1.00	10.00	>2.0	3,000	1.5	N	N	100	5,000
RLT0938	31 2 4	111 15 13	1.00	1.00	10.00	>2.0	3,000	3.0	N	N	50	300
RLT0941	31 2 18	111 15 14	.70	.20	10.00	>2.0	1,500	2.0	<500	N	<20	200
RLT0944	31 2 21	111 15 13	2.00	.50	3.00	>2.0	300	N	N	N	300	2,000
RLT0948	31 2 53	111 15 23	.50	.50	10.00	>2.0	1,500	1.0	<500	N	50	150
RLT0950	31 2 56	111 15 22	.50	.20	7.00	>2.0	2,000	10.0	700	N	50	10,000
RLT0953	31 3 8	111 15 34	.70	.20	15.00	>2.0	3,000	2.0	N	N	30	700
RLT0956	31 3 29	111 15 1	1.50	.10	.70	>2.0	1,000	15.0	N	N	300	300
RLT0959	31 2 32	111 15 46	.30	.10	7.00	1.0	2,000	100.0	N	N	<20	1,000
RLT0962	31 2 28	111 15 49	1.00	.20	10.00	>2.0	1,500	15.0	500	N	200	10,000
RLT0965	31 2 45	111 16 12	1.00	.20	10.00	>2.0	1,000	15.0	<500	N	<20	1,000
RLT0968	31 2 48	111 16 22	.70	.20	10.00	>2.0	1,000	1.0	N	N	200	1,000
RLT0971	31 2 35	111 16 52	.50	.20	10.00	>2.0	2,000	1.0	N	N	50	500
RLT0974	31 2 23	111 16 42	.50	.15	20.00	2.0	5,000	1.0	N	N	<20	700
RLT0977	31 2 7	111 17 27	1.00	.20	15.00	>2.0	2,000	1.5	N	N	100	150
RLT0980	31 2 2	111 17 32	1.50	1.00	10.00	>2.0	2,000	2.0	N	N	1,000	200
RLT0983	31 1 44	111 17 14	1.00	.50	15.00	>2.0	3,000	1.5	N	N	500	200
RLT0986	31 1 48	111 17 15	.50	.20	30.00	>2.0	3,000	<1.0	N	N	<20	70
RLT0989	31 1 20	111 16 46	1.00	1.00	15.00	>2.0	3,000	<1.0	N	N	200	150
RLT0992	31 1 35	111 16 39	1.50	.20	10.00	>2.0	1,500	1.0	700	N	30	150
RLT0995	31 1 58	111 16 3	.50	.30	20.00	>2.0	2,000	<1.0	N	N	20	150
RLT0998	31 1 43	111 16 34	.70	.20	10.00	>2.0	1,000	1.5	N	N	100	150
RLT1001	31 6 41	111 10 4	.50	.20	15.00	>2.0	1,500	<1.0	N	N	<20	150
RLT1004	31 6 39	111 9 58	1.50	.10	1.00	>2.0	1,000	20.0	N	N	100	200
RLT1007	31 7 4	111 9 46	1.50	.15	1.00	>2.0	1,000	10.0	N	N	1,500	700
RLT1010	31 6 35	111 9 18	1.00	.10	.30	>2.0	700	10.0	N	N	70	200
RLT1013	31 6 33	111 9 21	1.00	.15	10.00	>2.0	700	7.0	<500	N	20	150
RLT1016	31 7 0	111 9 11	.70	.10	1.00	>2.0	1,000	15.0	N	N	300	150
RLT1019	31 7 28	111 9 25	1.00	.15	.70	>2.0	1,000	10.0	N	N	700	1,500
RLT1022	31 7 30	111 9 23	.70	.70	.20	2.0	1,000	15.0	N	N	70	1,000

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
RLT0890	3	<20	N	10	<20	150	300	200	<50	N	30,000
RLT0893	7	150	N	<10	<20	100	500	300	<50	N	20,000
RLT0896	7	<20	N	10	<20	100	50	500	<50	N	20,000
RLT0899	N	100	>1,000	<10	<20	200	1,000	>5,000	<50	N	>50,000
RLT0902	<2	<20	300	10	<20	150	70	2,000	<50	N	>50,000
RLT0905	<2	<20	N	10	<20	70	200	500	<50	N	30,000
RLT0908	2	70	700	<10	<20	300	1,000	>5,000	<50	N	>50,000
RLT0911	2	<20	N	10	<20	100	500	2,000	50	N	>50,000
RLT0914	<2	<20	N	<10	<20	500	300	5,000	1,000	N	>50,000
RLT0917	2	1,000	N	15	<20	200	100	1,000	50	N	30,000
RLT0920	N	2,000	300	<10	<20	150	100	1,000	50	N	50,000
RLT0923	<2	300	500	<10	<20	200	150	>5,000	<50	N	>50,000
RLT0926	3	100	N	<10	30	15	150	5,000	150	15	10,000
RLT0929	3	20	N	15	<20	100	200	1,000	50	N	5,000
RLT0932	100	70	N	<10	<20	150	200	1,500	100	15	15,000
RLT0935	100	70	N	<10	<20	100	150	1,000	70	10	3,000
RLT0938	200	200	N	<10	<20	100	150	500	<50	<10	2,000
RLT0941	3	<20	200	<10	<20	300	70	>5,000	70	N	>50,000
RLT0944	10	<20	N	<10	<20	700	150	7,000	150	30	30,000
RLT0948	2	<20	N	<10	<20	20	200	1,500	50	N	5,000
RLT0950	<2	<20	N	<10	<20	15	70	200	<50	N	1,500
RLT0953	<2	<20	N	<10	<20	15	300	150	70	N	1,500
RLT0956	30	70	N	20	<20	100	1,000	300	<50	N	1,500
RLT0959	N	200	N	<10	50	2,000	100	>5,000	50	N	>50,000
RLT0962	5	<20	N	<10	<20	500	2,000	3,000	70	N	15,000
RLT0965	<2	<20	N	<10	<20	200	200	700	50	10	20,000
RLT0968	N	<20	N	<10	<20	100	150	>5,000	70	10	5,000
RLT0971	<2	N	N	<10	<20	70	100	2,000	50	<10	2,000
RLT0974	N	<20	N	<10	<20	50	500	150	<50	N	2,000
RLT0977	N	<20	N	<10	<20	70	50	1,000	50	10	1,500
RLT0980	N	<20	N	10	<20	70	50	100	<50	10	1,000
RLT0983	2	<20	N	<10	<20	20	300	70	<50	15	700
RLT0986	30	N	N	<10	<20	20	500	700	<50	10	3,000
RLT0989	N	N	N	<10	<20	15	100	70	<50	10	1,000
RLT0992	50	<20	N	<10	<20	20	500	50	50	10	500
RLT0995	N	<20	N	<10	<20	10	500	70	<50	20	500
RLT0998	2	<20	N	<10	20	30	50	70	<50	10	1,000
RLT1001	N	N	N	<10	<20	15	<50	20	<50	<10	500
RLT1004	7	300	N	<10	<20	30	500	15	<50	70	1,000
RLT1007	7	<20	N	10	<20	200	1,000	<10	<50	20	1,000
RLT1010	15	70	N	10	<20	150	500	150	<50	200	1,000
RLT1013	3	20	N	<10	<20	100	700	700	<50	70	1,000
RLT1016	15	70	N	10	<20	200	700	300	<50	500	5,000
RLT1019	50	70	N	10	<20	200	700	3,000	<50	300	30,000
RLT1022	15	20	N	<10	<20	100	200	200	<50	70	1,500

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
RLT0890	<200	>200	<20	500	3,000	150	700	N	>2,000	N
RLT0893	<200	>200	<20	300	1,000	200	700	N	>2,000	N
RLT0896	500	70	30	300	300	300	500	N	>2,000	N
RLT0899	N	100	70	<200	>20,000	700	300	N	>2,000	N
RLT0902	500	200	50	500	20,000	500	1,000	N	>2,000	N
RLT0905	<200	150	30	300	2,000	700	700	1,500	>2,000	N
RLT0908	<200	100	100	700	>20,000	700	500	N	>2,000	N
RLT0911	700	150	50	300	10,000	700	1,000	N	>2,000	N
RLT0914	N	700	<20	<200	5,000	3,000	5,000	7,000	>2,000	N
RLT0917	N	>200	20	<200	1,500	1,000	700	N	>2,000	N
RLT0920	N	>200	30	300	2,000	1,000	500	N	>2,000	N
RLT0923	N	15	100	300	>20,000	700	500	N	>2,000	N
RLT0926	N	50	<20	300	1,000	5,000	700	N	>2,000	N
RLT0929	N	70	<20	300	1,000	1,000	300	N	>2,000	N
RLT0932	N	20	20	200	1,500	1,500	500	N	>2,000	N
RLT0935	N	70	<20	200	300	5,000	500	N	>2,000	N
RLT0938	N	100	<20	<200	300	2,000	500	N	>2,000	N
RLT0941	N	70	30	200	2,000	2,000	300	1,000	>2,000	N
RLT0944	N	10	<20	N	3,000	7,000	300	<500	>2,000	N
RLT0948	N	50	20	300	700	2,000	500	N	>2,000	N
RLT0950	200	70	<20	300	700	1,500	700	N	>2,000	N
RLT0953	N	50	<20	200	500	1,500	500	N	>2,000	N
RLT0956	N	>200	<20	<200	200	200	>1,000	N	>2,000	N
RLT0959	N	20	70	1,500	3,000	700	300	N	>2,000	N
RLT0962	N	150	20	500	1,000	5,000	500	N	>2,000	N
RLT0965	N	50	<20	300	700	1,000	300	N	>2,000	N
RLT0968	N	70	30	300	500	2,000	300	N	>2,000	N
RLT0971	N	30	<20	200	300	2,000	200	N	>2,000	N
RLT0974	N	<10	<20	200	100	700	>1,000	700	>2,000	N
RLT0977	N	70	<20	300	300	2,000	500	N	>2,000	N
RLT0980	N	150	<20	200	200	500	500	N	>2,000	N
RLT0983	N	100	<20	500	300	1,000	700	N	>2,000	N
RLT0986	N	<10	<20	200	100	300	>1,000	<500	2,000	N
RLT0989	N	20	<20	200	500	300	300	N	2,000	N
RLT0992	N	15	<20	200	200	300	300	N	2,000	N
RLT0995	N	10	<20	200	100	1,000	1,000	N	2,000	N
RLT0998	N	30	<20	200	300	500	1,000	N	2,000	N
RLT1001	N	15	<20	200	200	200	500	N	2,000	N
RLT1004	N	>200	150	<200	50	<100	>1,000	N	2,000	N
RLT1007	<200	>200	100	<200	150	<100	>1,000	N	2,000	N
RLT1010	N	>200	70	<200	500	200	>1,000	N	2,000	N
RLT1013	N	>200	<20	1,000	300	300	>1,000	N	2,000	N
RLT1016	N	>200	<20	<200	300	100	>1,000	N	2,000	N
RLT1019	N	>200	50	200	300	200	>1,000	N	2,000	N
RLT1022	N	>200	20	N	70	<100	>1,000	N	2,000	N

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s
RLT1025	31 6 51	111 6 12	.70	.20	.10	>2.0	300	10.0	N	N	150	70
RLT1027	31 6 45	111 6 9	.70	.20	<.10	>2.0	500	5.0	N	N	200	70
RLT1029	31 6 8	111 6 23	1.50	.20	<.10	>2.0	300	15.0	N	N	70	70
RLT1031	31 5 45	111 6 12	1.00	.50	<.10	2.0	300	15.0	N	N	150	70
RLT1033	31 5 41	111 6 9	1.50	.30	.15	>2.0	200	15.0	N	<20	150	70
RLT1035	31 5 56	111 5 56	.70	.20	.20	>2.0	300	20.0	N	<20	100	>10,00
RLT1037	31 6 15	111 5 25	1.50	.20	<.10	>2.0	500	300.0	N	N	150	2,00
RLT1041	31 5 22	111 5 7	1.00	.15	.15	>2.0	300	20.0	N	<20	100	70
RLT1045	31 5 4	111 4 14	1.50	.20	<.10	>2.0	700	5.0	N	<20	150	70
RLT1047	31 4 55	111 4 33	1.50	.20	.15	>2.0	300	10.0	N	N	100	5,00
RLT1049	31 4 18	111 2 36	1.00	.50	.30	>2.0	500	10.0	N	N	100	5,00
RLT1051	31 4 17	111 3 59	.70	1.50	.10	>2.0	300	15.0	N	N	100	10,00
RLT1055	31 4 44	111 3 36	.70	1.50	.10	>2.0	300	10.0	N	N	200	70
RLT1057	31 4 32	111 4 0	.70	.30	.20	>2.0	500	15.0	N	N	150	1,00
RLT1222	31 4 18	111 7 6	.50	.20	.10	2.0	200	15.0	N	N	70	70
RLT1226	31 4 16	111 6 30	.70	.70	.15	>2.0	700	10.0	N	N	150	70
RLT1228	31 3 55	111 6 7	.70	.50	.50	2.0	300	10.0	N	N	100	70
RLT1230	31 3 58	111 6 9	.70	.50	.30	1.5	300	15.0	N	N	50	70
RLT1232	31 3 24	111 6 8	.50	.20	.20	>2.0	300	10.0	N	N	50	50
RLT1234	31 3 22	111 6 19	.50	.30	.30	2.0	300	15.0	N	N	30	70
RLT1236	31 3 38	111 5 54	.50	.30	.15	1.5	300	50.0	N	N	150	70
RLT1238	31 3 53	111 5 5	.50	.20	.20	>2.0	300	2.0	N	N	200	70

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s
RLT1025	5	30	N	<10	<20	30	200	30	50	<10	200
RLT1027	3	20	N	<10	<20	30	50	30	70	<10	300
RLT1029	5	70	N	<10	<20	70	500	1,500	100	<10	20,000
RLT1031	3	150	300	<10	<20	<10	100	30	50	<10	300
RLT1033	3	1,000	100	10	<20	<10	200	50	200	<10	500
RLT1035	3	2,000	<50	<10	<20	10	1,000	200	200	<10	1,000
RLT1037	7	150	<50	<10	<20	30	700	500	50	<10	30,000
RLT1041	5	<20	N	<10	<20	50	2,000	150	300	<10	10,000
RLT1045	7	150	N	<10	<20	50	300	2,000	150	<10	20,000
RLT1047	5	<20	N	10	<20	15	300	1,000	<50	<10	20,000
RLT1049	3	<20	N	<10	<20	15	200	500	50	<10	5,000
RLT1051	7	20	N	<10	<20	10	100	15	<50	<10	300
RLT1055	5	<20	N	<10	<20	15	150	10	<50	<10	200
RLT1057	3	70	N	<10	<20	30	200	1,000	<50	<10	5,000
RLT1222	3	300	N	<10	<20	150	150	30	<50	<10	300
RLT1226	2	<20	N	<10	<20	10	50	15	<50	<10	300
RLT1228	3	<20	N	<10	<20	15	<50	100	<50	<10	300
RLT1230	2	<20	N	<10	<20	20	<50	20	<50	<10	300
RLT1232	7	30	N	15	<20	30	70	200	50	<10	1,000
RLT1234	2	70	N	<10	<20	15	100	70	<50	<10	500
RLT1236	2	150	N	<10	<20	50	<50	100	<50	<10	500
RLT1238	3	<20	N	<10	<20	70	200	70	<50	<10	300

TABLE 4. Analytical data for the non-magnetic fraction of heavy mineral concentrate samples from the El Correo area, northern Sonora, Mexico.--continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
RLT1025	N	>200	<20	N	30	<100	700	N	>2,000	N
RLT1027	N	150	<20	N	20	<100	500	N	>2,000	N
RLT1029	N	150	<20	300	30	<100	700	<500	>2,000	N
RLT1031	N	200	<20	N	70	<100	700	N	>2,000	N
RLT1033	N	>200	100	<200	500	100	500	N	>2,000	N
RLT1035	N	150	<20	300	2,000	<100	500	N	>2,000	N
RLT1037	N	200	20	<200	70	<100	700	N	>2,000	N
RLT1041	N	>200	30	<200	150	<100	700	N	>2,000	N
RLT1045	N	150	20	<200	50	<100	500	N	>2,000	N
RLT1047	N	>200	20	<200	50	N	1,000	N	>2,000	N
RLT1049	N	200	20	200	50	<100	700	N	>2,000	N
RLT1051	N	>200	2,000	<200	20	<100	1,000	N	>2,000	N
RLT1055	N	200	50	<200	50	<100	500	N	>2,000	N
RLT1057	N	>200	700	<200	30	<100	700	N	>2,000	N
RLT1222	N	>200	1,500	<200	30	200	700	N	>2,000	N
RLT1226	N	>200	50	<200	20	<100	700	N	>2,000	N
RLT1228	N	200	<20	N	50	300	700	N	>2,000	N
RLT1230	N	>200	<20	N	20	300	700	N	>2,000	N
RLT1232	N	>200	100	N	150	100	700	N	>2,000	N
RLT1234	N	>200	<20	N	30	<100	>1,000	N	>2,000	N
RLT1236	N	>200	N	<200	20	N	>1,000	N	>2,000	N
RLT1238	N	>200	70	N	100	100	>1,000	N	>2,000	N

Abbreviations and detection limits

element	symbol	lower limit	upper limit
iron	Fe	.1%	50%
magnesium	Mg	.05%	20%
calcium	Ca	.1%	50%
titanium	Ti	.005%	2%
manganese	Mn	20 ppm	10000 ppm
silver	Ag	1 ppm	10000 ppm
arsenic	As	500 ppm	20000 ppm
gold	Au	20 ppm	1000 ppm
boron	B	20 ppm	5000 ppm
barium	Ba	50 ppm	10000 ppm
beryllium	Be	2 ppm	2000 ppm
bismuth	Bi	20 ppm	2000 ppm
cadmium	Cd	50 ppm	1000 ppm
cobalt	Co	10 ppm	5000 ppm
chromium	Cr	20 ppm	10000 ppm
copper	Cu	10 ppm	50000 ppm
lanthanium	La	50 ppm	2000 ppm
molybdenum	Mo	10 ppm	5000 ppm
niobium	Nb	50 ppm	5000 ppm
nickel	Ni	10 ppm	10000 ppm
lead	Pb	20 ppm	50000 ppm
antimony	Sb	200 ppm	20000 ppm
scandium	Sc	10 ppm	2000 ppm
tin	Sn	20 ppm	2000 ppm
strontium	Sr	200 ppm	10000 ppm
vanadium	V	20 ppm	20000 ppm
tungsten	W	100 ppm	20000 ppm
yttrium	Y	20 ppm	1000 ppm
zinc	Zn	500 ppm	20000 ppm
zirconium	Zr	20 ppm	100000 ppm
thorium	Th	200 ppm	5000 ppm

l=less than lower limit
n=not detected at lower limit
g=greater than upper limit
b=no value reported
s=spectrographic analysis
cm=wet chemical analysis
aa=atomic absorption analysis
<=less than
>=greater than

Abbreviations and detection limits for Data in Table 4

ELEMENT	SYMBOL	LOWER LIMIT	UPPER LIMIT
IRON	Fe	.1%	50%
MAGNESIUM	Mg	.05%	20%
CALCIUM	Ca	.1%	50%
TITANIUM	Ti	.005%	2%
MANGANESE	Mn	20 ppm	10000 ppm
SILVER	Ag	1 ppm	10000 ppm
ARSENIC	As	500 ppm	20000 ppm
GOLD	Au	20 ppm	1000 ppm
BORON	B	20 ppm	5000 ppm
BARIUM	Ba	50 ppm	10000 ppm
BERYLLIUM	Be	2 ppm	2000 ppm
BISMUTH	Bi	20 ppm	2000 ppm
CADMIUM	Cd	50 ppm	1000 ppm
COBALT	Co	10 ppm	5000 ppm
CHROMIUM	Cr	20 ppm	10000 ppm
COPPER	Cu	10 ppm	50000 ppm
LANTHANIUM	La	50 ppm	2000 ppm
MOLYBDENUM	Mo	10 ppm	5000 ppm
NIOBIUM	Nb	50 ppm	5000 ppm
NICKEL	Ni	10 ppm	10000 ppm
LEAD	Pb	20 ppm	50000 ppm
ANTIMONY	Sb	200 ppm	20000 ppm
SCANDIUM	Sc	10 ppm	2000 ppm
TIN	Sn	20 ppm	2000 ppm
STRONTIUM	Sr	200 ppm	10000 ppm
VANADIUM	V	20 ppm	20000 ppm
TUNGSTEN	W	100 ppm	20000 ppm
YTTRIUM	Y	20 ppm	1000 ppm
ZINC	Zn	500 ppm	20000 ppm
ZIRCONIUM	Zr	20 ppm	100000 ppm
THORIUM	Th	200 ppm	5000 ppm

L=LESS THAN LOWER LIMIT
N=NOT DETECTED AT LOWER LIMIT
G=GREATER THAN UPPER LIMIT
B=NO VALUE REPORTED
S=SPECTROGRAPHIC ANALYSIS
<=LESS THAN
>=GREATER THAN

References

Alminas, H. V., and Watts, K. C., 1978, Interpretive geochemical map of the Hillsboro and San Lorenzo quadrangles exclusive of the Black Range Primitive Area, Sierra and Grant Counties, New Mexico: U.S. Geological Survey Miscellaneous Field Studies, Map MF 900-G, Scale 1:48,000.

Frisken, J. G., Mosier, E. L., and Turner, R. L., 1981, A regional geochemical reconnaissance, North-Central Sonora, Mexico: Techniques and interpretations: U.S. Geological Survey Open-File Report 81-795, 210 p.

Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrophotometric field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.

Hill, J. G., and Frost, P. B., 1975, Coarse-grained sediment sampling as related to landscape geochemistry (abs.): Minerals in Transition, SME-AIME Fall Meeting and Exhibit, September 10-12, 1975, Salt Lake City, Utah.

Theobald, P. K., 1957, The gold pan: A quantitative geologic tool: U.S. Geological Survey Bulletin 1971-A, 54 p.

Theobald, P. K., Allcott, G. H., Flanigan, V. J., and Andreasen, G. E., 1973, Tungsten anomalies in the Uyaijah Ring Structure, Kushaymijah igneous complex, Kingdom of Saudi Arabia: Saudi Arabian Project Report 160, Ministry of Petroleum and Natural Resources, Jeddah, Saudi Arabia, 86 p.

VanTrump, George, Jr., and Miesch, A. T., 1977, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, p. 475-488.