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A Regional Geochemical Reconnaissance, North-central Sonora, Mexico: Techniques and Analytical Data

by

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Abstract

A reconnaissance geochemical survey in northern Sonora has been completed by the Consejo de Recursos Minerales and the U.S. Geological Survey. The geochemical reconnaissance was part of the first phase of a cooperative project designed to develop new geochemical, geophysical, and geological exploration techniques and multidisciplinary strategies useful in the search for mineral deposits in the Sonoran environment.

Multiple sample media were employed in the study. The samples were analyzed for many elements and multivariate interpretive techniques were used to develop geochemical interpretations. Pulverized stream sediments screened to -80 mesh and pulverized nonmagnetic, heavy-mineral concentrates screened to -30 mesh were found to be the most useful sample media. Samples were analyzed for 30 to 60 elements by emission spectrographic methods and in some cases atomic absorption methods. The analytical values and map coordinates for approximately 1200 sample sites were entered into the U.S. Geological Survey's RASS computer data system, and selected data sets were analyzed by various statistical computer programs to produce distribution maps of selected elements, tabular statistics, and multivariate analyses. Patterns of element interrelationship were seen most easily in the nonmagnetic fraction of the heavy-mineral concentrates. This sample medium yields element suites dominated by the influence of mineralization and has been found to be very useful in mineral exploration studies.

Introduction

A cooperative project between the Consejo de Recursos Minerales of Mexico (CRM) and the United States Geological Survey (USGS) was established to conduct an experimental program to develop new geochemical, geophysical, and geological exploration techniques and multidisciplinary strategies useful in

the search for mineral deposits in the Sonoran environment. To date the study area has been confined to a 25,000 km^2 strip of land of medium to high mineral potential in Sonora, Mexico, extending from the section of the U.S.-Mexico border between Sasabe and Agua Prieta, southeast through Cananea, Nacozari, and terminating in the vicinity of Villa Hidalgo (Oputo) in the east and Cumpas in the south (fig. 1).

The first phase of the project was the regional geochemical, geophysical, and remote sensing study of the entire 25,000 km^2 project area. A team approach coordinating these disciplines was used to locate and evaluate areas with mineral potential. Geochemical studies were conducted to locate and characterize the mineralized areas, and to provide information about the element suite, the intensity of mineralization, and often the position within a zoned system.

Aside from mining company studies of the principal mining districts within the study area, the major previous work of an exploratory nature was the resource evaluation of several areas of Mexico jointly undertaken between 1962 and 1967 by the United Nations and Mexican government (United Nations, 1969), which led to the discovery of the Caridad porphyry copper deposit. Our study, though covering part of the same ground as the United Nations study, utilized modified exploration techniques with the hope of discovering subtle anomalies previously overlooked.

Sampling Procedures

Orientation studies carried out prior to the regional reconnaissance revealed that the exclusive use of -80 mesh screened stream-sediment samples would be of limited success in the search for copper deposits within the study area. A multiple sample media approach testing for many elements and employing multivariate interpretive techniques was found to be necessary for

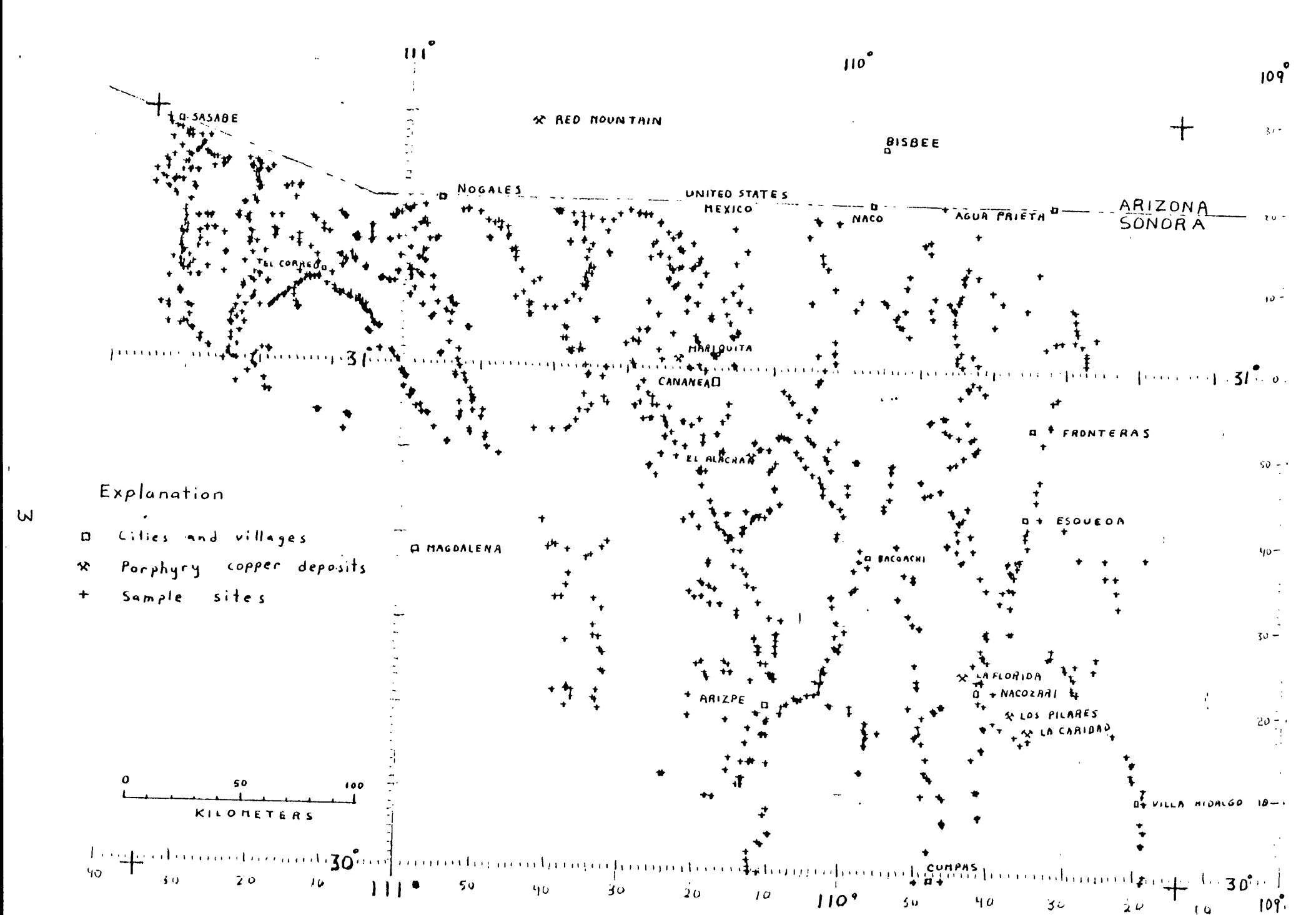

Figure 1. -- Study area in Sonora, Mexico, showing geochemical sample sites.

meaningful geochemical interpretation of the area. Because so many geochemical surveys are carried out using -80 mesh screened stream sediment as a basic sample medium, it was decided to study the relationship between this medium and other media.

As much as 50 percent of the total regional study area is covered by alluvium in the form of bajadas and flood plains. The sampling program was designed to sample the entire area of exposed bedrock and thin gravel-covered pediment. but little sampling was done within the intervening, broad, alluvium-filled valleys. An attempt was made, access permitting, to sample each tributary stream draining an area of 5 to 10 km^2 in order to give a sample density of at least one sample/10 km^2 over the area of exposed bedrock and thinly covered pediment. Most of the streams are dry arroyos except during periods of heavy rainfall. The orientation program demonstrated that a representative stream-sediment sample could be taken by either scooping a small, shallow trench across the width of the active sediment of narrow arroyos or by taking scoops of sediment at equally spaced intervals across the width of wider stream channels. Stream-sediment samples were taken at approximately 1200 sites. The general practice at sample sites with relatively dry sediment was to sieve the samples to a -30 mesh size in the field and retain approximately 2 kg for later sieving to -80 mesh after further drying. Tyler stainless steel number 30 and 80 sieves were used. These sieves pass particles with diameters less than 0.59 mm and 0.18 mm, respectively. The orientation studies indicated that at many sample sites the -80 mesh sample media contained higher concentrations of metals than the residual -30 mesh sediment sample from which the -80 mesh samples were sieved. The ease and increased speed of sieving a sufficient volume of -30 mesh sediment probably outweighs the advantage of somewhat higher average metal concentrations of the

-80 mesh samples. The -30 mesh stream-sediment media has therefore been utilized in recent USGS geochemical sampling projects in Sonora and southern Arizona.

In addition to the -80 mesh stream-sediment sample, a second sediment sample of at least 2 kg was taken for panning to produce a heavy-mineral concentrate. An attempt was made to collect only sediment that had undergone natural concentration in the stream channel, often indicated by areas of black sand, in order to maximize the amount of heavy-mineral concentrate obtained. This sample was panned to the point at which heavy minerals began to be lost, often indicated by abundant epidote and/or hornblende in the concentrate (Theobald, 1957). The volume of heavy minerals thus collected varied considerably from site to site due to the varying degrees of natural concentration in the stream channels and the variable percentage of heavy minerals in the rocks upstream.

Sample Preparation Procedures

Each -80 mesh stream-sediment sample was run through a Braun pulverizer and reduced to a fine powder producing a homogeneous sample for analysis.

The panned-concentrate samples were sieved and the material passing through a number 30 sieve was retained for analysis. Most of the magnetite was removed with a hand magnet. A gravity separation in bromoform, a heavy liquid with a specific gravity ranging from 2.80 to 2.89, allowed the remaining grains with a specific gravity of less than approximately 2.8 to be floated off and discarded. The resulting heavy-mineral fraction was subdivided on the basis of magnetic susceptibility to yield three subfractions. A Frantz Isodynamic Magnetic Separator® with a forward slope of 25° and a side slope of 15° was used to make the magnetic separations.

®Use of trade names does not constitute endorsement by the U.S. Geological Survey.

During the orientation study, thorite was found to be a commonly occurring mineral in part of the study area. This discovery led to the decision to choose a 0.6 amp setting, rather than a 1.0 amp setting, on the Frantz separator in order to include in the nonmagnetic fraction most of the common uranium, thorium, lanthanum, yittrium, and niobium minerals and also bornite and tetrahedrite-tennantite (Rosenblum, 1958). A 1.0 amp setting is often chosen for magnetic separations because in most areas the minerals of interest would still be concentrated in the nonmagnetic fraction and the unwelcome addition of a considerable amount of hematite, sphene, muscovite, tourmaline, and some ferro-magnesium minerals, could be avoided. In addition to the 0.6 amp setting, a lower setting of 0.2 amps was also used. The subfractions obtained in the magnetic separations are referred to in this paper as magnetic heavy minerals (magnetite removed by hand magnet plus minerals susceptible at the 0.2 amp setting, primarily magnetite, pyrrhotite, and illmenite), slightly magnetic heavy minerals (those minerals susceptible at the 0.6 amp setting), and nonmagnetic heavy minerals (those minerals not susceptible at the 0.6 amp setting).

After the nonmagnetic samples were examined under a binocular microscope to determine their mineralogy, a split of each of the three fractions was hand ground to a fine powder for spectrographic analysis. To date, the magnetic fraction has not been used in our studies. The slightly magnetic fraction has been utilized in conjunction with the nonmagnetic fraction to estimate the depth of burial of sulfide mineral deposits in the region just south of El Alacran (Alminas and Watts, 1978). Patterns of element interrelationship were seen most easily in the nonmagnetic fraction of the heavy-mineral concentrates. This sample medium yields element suites dominated by the influence of mineralization, and has been found to be very useful in mineral exploration studies.

Analytical Procedures

All of the samples of stream sediment and heavy-mineral concentrate were analyzed for 31 elements by a six-step semiquantitative emission spectrographic technique routinely used by the U.S.G.S. (Grimes and Marranzino, 1968). Thorium was added to the list of 30 elements normally reported from spectrographic analysis after it was noticed early in the study that many samples showed thorium values above the lower detection limit of 100 ppm. In addition, the stream-sediment samples were analyzed for copper, lead, zinc, gold, and mercury by atomic absorption spectrophotometry (Ward and others, 1969) and for arsenic by the Gutzeit colorimetric method (Ward and others, 1963).

Data Processing Procedures

The analytical values and map coordinates for all sample sites were entered into the U.S.G.S.'s computerized Rock Analysis Storage System (RASS) and selected data sets were analyzed by various statistical computer programs in the statistical package (STATPAC) system to produce distribution maps of selected elements, tabular statistics, and multivariate analyses. To produce the first set of distribution maps we subdivided the range of concentration of each element into three or four intervals representing low, average, high, and very high values. These intervals were represented by various symbols for plotting. Ten of these maps covering the north half of the study area have been published (Allcott and others, 1977a-c, Frisken, and others, 1977a-c, Hinkle and others, 1977a and b, and Mosier and others, 1977a and b). They show the distribution of tin, molybdenum, lead, tungsten, iron, silver, strontium, and barium in the nonmagnetic fraction of the heavy-mineral concentrates and the distribution of zinc and copper in -80 mesh stream sediment.

The appended tables 1, 2, and 3, present selected analytical data for the stream-sediment, nonmagnetic heavy-mineral, and slightly magnetic heavy-mineral samples, respectively. The magnetic heavy-mineral fraction is not included in the tables because all of the samples have not been analyzed at this time.

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TABLE 1

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico

(Abbreviations and detection limits on last page.)

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
GHA00032	31 23 11	111 25 47	50	N	50	50	30	N	N	.08	20
RLT00220	31 7 51	111 31 9	100	20	50	50	20	1.0	N	.04	10
LCH00004	31 21 46	111 33 56	100	7	50	35	20	1.0	N	.06	20
GHA00050	31 22 19	111 21 23	15	N	30	45	10	N	N	.06	20
GHA00062	31 18 46	111 21 10	30	N	70	50	15	N	N	.04	10
LCH00013	31 20 31	111 33 12	15	N	20	35	15	N	N	.04	20
GHA00100	31 24 9	111 27 8	30	N	50	45	20	N	N	.08	20
GHA00115	31 25 16	111 25 39	15	N	30	30	15	N	N	.10	<10
GHA00011	31 20 23	111 29 33	20	N	50	40	10	N	N	.06	10
GHA00065	31 22 39	111 19 42	30	5	100	110	15	N	N	.06	10
GHA00038	31 23 44	111 25 53	30	N	70	45	30	N	N	.10	(0)
GHA00047	31 20 59	111 20 34	30	N	50	60	30	N	N	.08	20
RLT00015	31 11 50	111 31 19	70	N	100	80	20	N	N	.04	10
RLT00092	31 9 26	111 21 13	20	N	70	45	7	N	N	.02	20
GHA00014	31 20 16	111 29 29	20	N	50	65	15	N	N	.08	10
GHA00044	31 23 52	111 25 11	15	N	50	40	10	N	N	.06	10
RLT00014	31 12 25	111 31 5	50	N	70	70	30	N	N	.08	10
GHA00064	31 18 58	111 29 59	20	N	30	45	20	N	N	.04	<10
GHA00021	31 18 51	111 30 7	20	N	50	40	15	N	N	.02	20
LCH00007	31 20 52	111 34 50	20	N	50	30	10	N	N	.02	20
RLT00001	31 14 7	111 28 38	30	N	30	55	20	N	N	.06	10
GHA00027	31 23 0	111 27 1	20	N	30	70	15	N	N	.04	10
GHA00003	31 20 50	111 29 40	10	N	50	35	20	N	N	.04	10
GHA00041	31 24 6	111 26 39	50	N	70	40	15	N	20.00	.08	20
LCH00011	31 20 19	111 32 58	20	N	30	45	20	N	N	.02	10
GHA00030	31 24 38	111 28 0	15	N	30	30	7	N	N	.04	20
RLT00017	31 13 20	111 31 6	20	N	20	50	15	N	N	.04	10
RLT00091	31 8 7	111 21 6	50	15	100	90	20	N	N	.04	10
GHA00004	31 19 32	111 31 59	20	N	30	40	15	N	N	.04	10
GHA00053	31 21 18	111 21 10	15	N	30	55	10	N	N	.06	20
GHA00056	31 20 29	111 20 58	20	5	30	45	20	N	N	.06	10
GHA00058	31 23 11	111 19 2	20	N	50	70	10	N	N	.04	20
GHA00045	31 24 3	111 22 11	20	N	50	50	15	N	N	.04	100
RLT00032	31 11 8	111 31 12	20	N	50	65	10	N	N	.04	10
GHA00059	31 19 24	111 21 25	30	N	30	45	20	N	N	.04	20
RLT00011	31 12 55	111 30 37	50	N	70	65	20	N	.10	.04	20
RLT00026	31 11 31	111 29 28	100	7	200	85	20	N	.05	.02	10
LCH00001	31 22 42	111 33 16	20	N	50	30	10	N	N	.04	20
LCH00006	31 21 26	111 33 29	20	N	50	25	15	N	N	.02	20
RLT00022	31 3 12	111 31 1	100	15	70	75	20	1.0	N	.04	20
LCH00009	31 22 32	111 34 46	20	N	50	30	10	N	N	.04	10
RLT00009	31 14 4	111 31 7	50	N	50	45	30	N	N	.02	10
RLT00006	31 14 51	111 30 57	30	N	50	45	10	N	N	.04	30
[illegible]	31 6 39	111 33 38	15	N	30	30	15	N	N	.04	10
[illegible]	31 19 54	111 32 9	30	N	70	45	20	N	N	.06	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GHA0032	2	300	N	10.0	1,500	500	200	30	2.0	30	100
RLT0020	1	200	N	7.0	700	700	300	20	1.5	20	30
LCH0004	1	200	N	7.0	500	700	300	20	1.5	15	70
GHA0050	1	100	N	3.0	700	500	300	20	1.5	20	50
GHA0062	2	200	N	10.0	1,000	700	300	20	2.0	20	100
LCH0013	2	200	N	7.0	700	500	200	30	2.0	15	100
GHA0100	3	200	N	7.0	1,000	700	200	30	2.0	20	70
GHA0035	1	150	N	3.0	700	700	300	30	1.5	20	50
GHA0011	4	200	N	7.0	700	50	300	30	2.0	10	50
GHA0065	1	150	N	5.0	1,000	500	200	10	3.0	20	100
GHA0038	3	300	N	10.0	1,500	1,000	300	20	2.0	20	100
GHA0047	1	300	N	7.0	1,000	500	300	20	1.5	30	100
RLT0016	1	200	N	7.0	1,000	500	300	15	2.0	15	70
ELM0092	2	100	N	5.0	1,000	700	200	70	2.0	15	50
GHA0014	3	300	N	10.0	700	500	150	30	2.0	10	30
GHA0044	1	150	N	5.0	700	700	200	30	1.5	10	50
RLT0014	2	300	N	15.0	700	500	300	20	1.0	15	150
GHA0024	3	500	N	15.0	700	500	150	20	1.0	10	150
GHA0021	3	200	N	7.0	700	700	200	50	1.5	10	70
LCH0007	1	200	N	10.0	1,000	700	150	20	1.0	10	50
RLT0001	<1	200	N	5.0	700	500	300	<10	1.5	20	30
GHA0027	1	150	N	5.0	700	700	200	10	1.5	10	20
GHA0008	2	500	N	>20.0	700	300	100	20	1.0	15	70
GHA0041	3	200	N	7.0	700	500	150	20	2.0	15	70
LCH0011	2	200	N	7.0	700	700	300	20	1.5	20	100
GHA0030	1	100	N	3.0	500	500	200	15	1.5	15	50
RLT0017	4	150	N	5.0	500	500	200	20	1.5	20	30
ELM0091	1	200	N	7.0	1,000	700	300	50	1.5	50	100
GHA0004	2	200	N	7.0	500	700	200	50	1.0	15	70
GHA0053	2	70	N	3.0	500	500	300	20	2.0	20	15
GHA0056	1	200	N	5.0	700	700	500	30	1.5	30	50
GHA0068	1	150	N	5.0	1,000	700	200	50	1.5	15	30
GHA0045	1	100	N	5.0	500	700	300	20	1.5	20	50
RLT0032	2	100	N	3.0	500	500	300	20	1.5	15	50
GHA0059	2	150	N	3.0	500	500	300	20	1.5	30	50
RLT0011	1	200	N	5.0	700	700	300	15	1.5	15	50
RLT0026	3	300	N	10.0	1,000	500	300	10	1.0	20	100
LCH0001	1	150	N	5.0	700	700	100	30	1.5	15	30
LCH0006	1	300	N	10.0	1,000	700	100	50	1.0	15	50
RLT0022	1	300	N	7.0	700	700	300	30	1.5	20	70
LCH0009	1	200	N	7.0	500	500	100	30	1.0	15	30
RLT0009	<1	300	N	15.0	700	500	300	20	1.5	20	100
RLT0006	1	150	N	3.0	500	500	200	20	1.0	10	20
RLT0034	<1	150	N	7.0	1,000	500	300	15	2.0	10	50
GHA0001	2	300	N	10.0	700	1,000	200	30	1.5	20	70

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0032	.70	1.00	50	100	<100	20	700	N	<20	>1.000
RLT0020	1.50	1.00	30	20	N	10	300	N	N	.500
LCH0034	2.00	1.00	50	30	N	10	1,000	N	N	.500
GHA0050	1.00	.70	50	30	N	7	300	N	N	.500
GHA0062	.70	.70	70	100	N	15	500	N	<20	.700
LCH0013	.70	.50	70	70	N	15	700	N	<20	1.000
GHA0100	.50	.70	50	50	N	15	300	N	N	.700
GHA0035	1.00	.70	30	20	N	7	300	N	N	.300
GHA0011	1.00	.70	50	50	N	10	1,000	N	N	.500
GHA0065	.70	1.50	150	70	N	20	1,000	N	20	.500
GHA0038	1.00	.70	200	30	N	10	700	N	N	.700
GHA0047	3.00	1.50	50	30	N	20	500	N	N	.700
RLT0016	3.00	1.50	100	70	N	20	1,000	N	N	.500
ELM0092	1.00	.70	20	20	N	10	300	N	N	.300
GHA0014	.70	.70	70	30	N	15	1,000	N	N	.500
GHA0044	.30	.50	30	20	N	10	300	N	N	.500
RLT0014	2.00	1.00	50	30	N	15	700	N	N	.700
GHA0024	.70	.50	100	100	150	20	>1,000	N	20	1.000
GHA0021	.70	.70	100	50	N	15	500	N	N	.700
LCH0007	.30	.20	100	50	N	15	1,000	N	<20	1.000
RLT0001	2.00	1.50	150	20	<100	15	200	N	N	.300
GHA0027	1.00	1.00	100	30	N	15	500	N	N	.700
GHA0008	.20	.20	100	70	N	10	>1,000	N	20	.700
GHA0041	.50	1.00	50	30	N	10	1,000	N	<20	.500
LCH0011	1.50	1.00	70	30	N	15	1,000	N	N	1.000
GHA0030	.50	.50	50	200	N	7	300	15	20	.300
RLT0017	3.00	1.00	50	20	N	10	200	N	N	.300
ELM0091	3.00	1.50	70	50	N	20	200	N	20	.700
GHA0004	1.00	.70	70	70	N	10	700	N	<20	.700
GHA0053	1.50	1.00	50	20	N	7	200	N	N	.300
GHA0056	2.00	1.50	50	20	N	10	200	N	N	.500
GHA0068	.70	1.00	50	30	N	10	300	N	N	.300
GHA0045	1.00	1.00	50	20	N	10	300	N	N	.500
RLT0032	1.50	1.00	30	20	N	7	500	N	N	.300
GHA0059	1.50	1.50	50	20	N	15	200	N	N	.300
RLT0011	2.00	1.50	50	20	N	10	500	N	N	.500
RLT0026	2.00	1.00	100	30	N	15	700	N	N	.500
LCH0001	.30	.50	70	50	N	10	500	N	N	.500
LCH0006	.50	.50	70	50	N	10	1,000	N	30	1.000
RLT0022	2.00	1.50	70	50	N	15	700	N	<20	.700
LCH0009	.50	.50	20	20	N	7	300	N	N	.300
RLT0009	2.00	1.00	70	30	N	20	1,000	N	N	.700
RLT0006	1.00	.70	50	30	N	10	500	N	N	.300
RLT0034	1.50	.50	200	100	N	7	700	N	N	.500
GHA0001	1.50	1.00	70	150	100	15	700	N	20	.700

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
RLT0005	31 15 32	111 31 8	30	N	100	45	15	N	N	.04	20
RLT0029	31 10 40	111 30 12	70	5	150	110	20	.7	N	.04	20
ELM0090	31 7 34	111 21 18	30	7	150	180	30	N	N	.04	10
ELM0055	31 15 31	111 27 51	100	N	70	55	30	N	N	.04	20
ELM0017	31 27 13	111 30 37	10	N	50	35	10	N	N	.02	<10
ELM0071	31 8 42	111 22 41	30	70	200	150	15	.5	N	.02	20
ELM0009	31 26 28	111 30 10	15	N	50	30	10	N	N	<.02	20
ELM0048	31 15 1	111 25 20	100	7	50	65	30	N	N	.02	20
ELM0005	31 24 15	111 32 31	10	10	50	15	5	N	N	.02	30
ELM0088	31 7 24	111 21 30	50	7	100	100	30	N	N	.04	10
ELM0068	31 9 48	111 21 45	70	N	50	65	20	N	N	.04	20
ELM0008	31 25 16	111 31 32	20	N	70	45	10	N	N	.02	20
ELM0020	31 27 6	111 30 30	20	N	70	40	15	N	N	.02	10
ELM0061	31 14 21	111 21 44	70	5	70	80	20	N	N	.02	10
ELM0045	31 15 39	111 26 47	150	10	100	85	20	N	N	.04	30
ELM0059	31 14 25	111 22 2	70	7	70	60	30	N	N	.04	20
ELM0024	31 28 41	111 33 17	7	7	50	20	N	N	N	.04	20
ELM0021	31 26 54	111 30 51	5	N	50	25	N	N	N	.02	20
ELM0076	31 10 33	111 21 15	150	10	70	75	20	N	N	.02	20
ELM0073	31 8 59	111 22 38	30	N	70	65	15	N	N	.04	10
ELM0003	31 23 23	111 33 14	20	N	70	35	15	N	N	.04	10
ELM0087	31 6 40	111 22 16	20	N	50	55	10	N	N	.02	20
ELM0033	31 16 48	111 30 34	50	N	70	45	30	N	N	.04	20
ELM0065	31 12 48	111 21 30	150	N	70	80	50	N	N	.02	10
ELM0026	31 26 20	111 32 43	5	N	50	30	N	N	N	.02	20
ELM0085	31 6 37	111 20 19	30	7	150	140	15	N	N	.08	10
ELM0014	31 27 2	111 30 10	10	N	100	35	15	N	N	.02	20
ELM0012	31 26 29	111 30 43	15	N	50	35	15	N	N	.02	10
ELM0025	31 28 1	111 33 3	7	N	50	40	5	N	N	.02	10
ELM0051	31 12 38	111 25 10	20	5	30	45	15	N	N	<.02	20
ELM0062	31 13 52	111 21 58	50	10	50	50	20	N	N	<.02	10
ELM0038	31 16 56	111 27 45	50	N	30	30	70	N	N	.02	10
ELM0067	31 11 46	111 22 32	150	7	50	55	20	N	N	.02	<10
ELM0035	31 17 12	111 27 48	30	N	70	25	30	N	N	.04	30
ELM0046	31 15 31	111 26 37	70	5	50	45	20	N	N	.04	30
ELM0083	31 7 5	111 18 33	100	10	150	180	20	N	<.05	.04	10
ELM0030	31 17 1	111 28 57	50	N	70	30	30	N	N	.02	30
ELM0080	31 6 33	111 19 2	30	N	200	140	15	N	N	.04	10
ELM0049	31 12 49	111 25 7	100	7	50	65	30	N	N	.04	10
ELM0041	31 17 14	111 27 9	30	N	50	50	30	N	N	.02	10
ELM0027	31 16 53	111 28 58	50	5	50	45	20	N	N	.02	10
ELM0053	31 10 28	111 25 17	100	15	150	155	20	N	N	.02	20
ELM0043	31 16 55	111 27 17	30	N	70	70	20	N	N	.02	40
ELM0022	31 27 29	111 31 35	5	N	50	25	5	N	N	.02	10
ELM0069	31 7 26	111 23 17	70	20	100	110	15	N	N	.02	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
RLT0005	2	150	N	5.0	700	1,000	200	50	1.5	10	50
RLT0029	2	200	N	7.0	1,000	700	300	30	2.0	20	50
ELM0090	1	200	N	7.0	2,000	1,000	500	30	1.5	50	100
ELM0055	1	500	100	20.0	700	500	300	10	1.5	30	100
ELM0017	10	300	N	15.0	2,000	700	200	10	1.5	15	50
ELM0071	2	150	N	5.0	1,500	1,000	200	70	2.0	20	30
ELM0009	1	200	N	10.0	700	700	200	10	1.5	10	50
ELM0048	1	200	N	7.0	1,000	500	500	<10	2.0	50	100
ELM0005	2	100	N	5.0	1,000	1,000	200	30	1.5	10	50
ELM0028	3	200	N	7.0	1,500	700	200	50	2.0	50	70
ELM0068	2	500	N	15.0	1,000	1,000	500	15	1.5	50	100
ELM0006	4	150	N	5.0	1,000	500	200	20	1.5	30	30
ELM0020	2	300	N	10.0	1,000	700	300	15	1.5	20	50
ELM0061	2	300	N	7.0	1,500	500	500	20	1.5	30	100
ELM0045	2	200	N	10.0	1,000	700	300	20	1.5	20	50
ELM0059	2	300	N	10.0	1,000	500	300	15	1.5	30	100
ELM0024	2	70	N	3.0	700	700	300	15	2.0	10	10
ELM0021	2	70	N	3.0	2,000	700	300	10	2.0	10	10
ELM0076	2	200	N	10.0	700	700	300	20	1.5	30	100
ELM0073	2	150	N	5.0	1,000	700	200	20	1.5	20	50
ELM0003	10	200	N	7.0	700	1,000	200	20	1.5	20	50
ELM0087	4	100	N	5.0	700	1,000	200	30	2.0	20	50
ELM0033	2	500	N	15.0	700	700	300	15	1.5	30	100
ELM0065	2	700	N	15.0	1,000	500	300	10	1.0	30	200
ELM0026	3	50	N	3.0	1,000	500	200	N	2.0	10	10
ELM0085	2	100	N	5.0	1,500	1,000	200	50	2.0	20	30
ELM0014	2	300	N	15.0	1,500	1,000	200	N	1.5	15	50
ELM0012	2	300	N	10.0	1,500	1,000	200	10	1.5	15	50
ELM0025	3	70	N	3.0	300	700	300	N	1.5	10	20
ELM0051	2	200	N	7.0	700	700	500	10	2.0	20	100
ELM0062	2	200	N	5.0	1,000	700	500	10	2.0	30	70
ELM0038	4	1,000	N	>20.0	1,000	500	300	15	1.0	30	200
ELM0067	2	200	N	5.0	700	1,000	500	10	2.0	30	70
ELM0035	2	300	N	20.0	1,500	1,500	150	30	1.5	15	50
ELM0046	2	200	N	7.0	1,000	700	500	15	2.0	20	70
ELM0083	2	200	N	7.0	2,000	1,500	500	100	2.0	30	70
ELM0030	2	500	N	20.0	1,000	700	300	20	1.0	30	150
ELM0080	3	150	N	5.0	3,000	1,500	300	15	2.0	20	70
ELM0049	2	200	N	7.0	1,500	700	500	10	2.0	30	70
ELM0041	5	300	N	10.0	1,000	700	500	30	2.0	30	70
ELM0027	2	300	N	10.0	700	700	300	15	2.0	30	70
ELM0053	2	300	N	10.0	1,000	1,000	500	15	2.0	30	70
ELM0043	2	300	N	10.0	1,500	1,000	300	30	1.5	30	70
ELM0022	5	100	N	5.0	2,000	700	300	15	2.0	20	30
ELM0069	3	200	N	7.0	1,000	1,500	300	20	2.0	20	50

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLT0005	.70	.70	70	30	N	10	1,000	N	N	.500
RLT0029	1.50	1.00	70	30	N	15	700	N	<20	.700
ELM0090	5.00	2.00	50	20	N	20	200	N	N	.700
ELM0055	2.00	1.50	100	50	100	15	>1,000	N	N	.500
ELM0017	1.00	.50	150	70	N	15	>1,000	N	<20	1.000
ELM0071	.70	1.50	50	70	N	10	30	N	N	.300
ELM0009	.50	.30	150	50	N	10	>1,000	N	<20	.700
ELM0048	2.00	2.00	70	30	N	20	300	N	N	.500
ELM0005	.70	.30	50	20	N	7	300	N	N	.500
ELM0088	7.00	1.50	70	50	N	20	300	N	N	.700
ELM0068	5.00	1.50	50	50	N	20	>1,000	N	N	.700
ELM0008	.70	1.00	50	50	N	7	300	N	N	.300
ELM0020	1.00	1.00	200	70	N	15	700	N	<20	1.000
ELM0061	2.00	1.50	100	70	N	15	300	N	N	.700
ELM0045	2.00	1.50	150	30	N	10	300	N	N	.700
ELM0059	1.50	1.50	100	30	<0	15	>1,000	N	N	.500
ELM0024	.70	.20	70	20	N	5	300	N	N	.200
ELM0021	.70	.20	100	100	N	7	300	N	N	.300
ELM0076	1.50	1.00	50	20	N	10	500	N	N	.500
ELM0073	2.00	1.50	30	30	N	10	200	N	N	.500
ELM0003	.70	.50	50	30	N	10	300	N	N	.700
ELM0087	1.00	1.00	30	20	N	10	300	N	N	.500
ELM0033	1.50	1.00	70	50	<100	20	500	N	N	.700
ELM0065	2.00	2.00	200	50	N	20	>1,000	N	N	.500
ELM0026	.50	.20	150	100	<100	5	150	N	N	.200
ELM0085	1.00	1.00	50	30	N	10	200	N	N	.300
ELM0014	1.00	.50	300	70	100	15	300	N	N	1.000
ELM0012	.50	.30	300	70	<100	15	300	N	20	1.000
ELM0025	1.00	.50	50	20	N	7	300	N	N	.200
ELM0051	1.00	1.00	100	50	<100	10	500	N	N	.300
ELM0062	2.00	1.50	150	30	N	15	500	N	N	.500
ELM0038	1.50	1.00	70	70	200	15	>1,000	N	N	.700
ELM0067	1.50	1.50	50	50	N	15	200	N	N	.500
ELM0035	.70	1.00	150	50	N	15	1,000	N	<20	1.000
ELM0046	1.50	1.00	70	50	N	15	1,000	N	<20	.700
ELM0083	1.00	1.50	50	50	N	15	500	N	N	.500
ELM0030	1.50	1.00	150	70	N	15	>1,000	N	N	1.000
ELM0080	1.00	1.00	50	70	N	10	300	N	N	.300
ELM0049	2.00	2.00	70	50	N	20	700	N	N	.700
ELM0041	2.00	1.50	50	30	N	20	300	N	N	.700
ELM0027	2.00	1.00	70	30	<100	15	300	N	N	.300
ELM0053	1.50	1.50	70	50	N	15	300	N	N	.500
ELM0043	2.00	2.00	30	20	N	20	300	N	N	1.000
ELM0022	1.50	1.50	500	70	<100	10	300	N	N	.200
ELM0069	2.00	.70	100	30	N	15	300	N	N	.500

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
ELM0078	31 6 47	111 18 47	20	7	100	95	10	N	N	.10	10
ELM0074	31 9 15	111 22 43	50	N	70	65	20	N	N	.02	10
ELM0057	31 15 41	111 27 44	70	10	50	55	20	N	N	.02	10
ELM0001	31 23 44	111 33 31	15	N	70	55	15	N	N	.04	20
ELM0023	31 27 40	111 32 12	15	N	70	35	5	N	N	.04	10
JGFD035	31 26 36	111 27 39	20	N	70	80	20	N	.25	.04	10
JGFD082	31 6 27	111 23 34	50	N	100	120	20	N	N	.04	20
JGFD068	31 21 12	111 20 49	30	N	70	70	20	N	N	.02	20
JGFD085	31 5 50	111 24 1	50	N	50	75	30	N	N	.04	60
JGFD072	31 15 17	111 21 38	50	N	70	65	50	N	N	.04	20
JGFD058	31 23 21	111 20 39	20	5	50	50	15	N	N	.02	10
JGFD027	31 25 45	111 28 39	30	N	70	60	20	N	N	.02	10
JGFD088A	31 4 36	111 24 12	70	N	70	60	30	N	N	.04	10
JGFD032	31 26 34	111 28 54	20	N	50	35	15	N	N	.02	10
JGFD042	31 24 16	111 27 28	50	N	50	30	15	N	N	.04	20
JGFD026	31 25 10	111 28 57	20	N	150	65	15	N	N	.02	10
JGFD070	31 22 47	111 19 50	30	N	70	65	15	N	N	.02	10
JGFD062	31 23 52	111 21 14	15	N	50	40	10	N	N	<.02	10
JGFD030	31 25 47	111 28 24	20	N	70	75	15	N	N	.02	10
JGFD008	31 23 21	111 30 59	15	N	50	30	15	N	N	.04	10
JGFD080	31 5 29	111 24 8	50	N	50	150	20	N	N	.02	30
JGFD024	31 22 27	111 31 17	50	5	100	75	20	N	N	.06	20
JGFD064	31 23 45	111 20 56	20	N	50	45	5	N	N	.02	20
JGFD044	31 23 57	111 25 11	20	N	50	35	15	N	N	.08	10
JGFD011	31 24 23	111 30 36	20	N	70	40	10	N	N	.02	10
JGFD046	31 22 58	111 21 46	20	N	20	40	15	N	N	.04	10
JGFD054	31 22 45	111 20 45	20	N	50	50	10	N	.40	.02	10
JGFD017	31 24 16	111 30 17	30	N	50	50	15	N	N	.04	20
JGFD060	31 23 31	111 20 54	30	N	50	50	20	N	N	.02	10
JGFD050	31 23 17	111 21 51	30	N	50	40	20	N	N	.02	10
JGFD078	31 14 6	111 20 57	50	5	70	75	20	N	N	.02	30
JGFD015	31 21 21	111 32 35	20	N	50	5	15	N	N	.02	10
JGFD003	31 21 44	111 32 10	20	N	70	45	20	N	N	.02	10
JGFD074	31 15 27	111 21 52	50	N	70	80	20	N	N	.08	10
JGFD010	31 23 24	111 30 36	50	10	70	50	20	N	N	.04	<10
JGFD090	31 4 31	111 24 14	30	20	50	150	20	N	N	.02	40
JGFD048	31 23 4	111 21 57	20	N	50	35	15	N	N	.02	30
JGFD076	31 16 28	111 22 6	30	N	50	60	20	N	N	.02	<10
JGFD066	31 21 41	111 21 0	20	N	70	55	10	N	N	.02	20
JGFD013	31 24 10	111 30 10	20	10	70	40	20	N	N	.06	20
JGFD038	31 24 49	111 28 4	20	N	50	35	15	N	N	.02	30
JGFD021	31 24 43	111 29 34	20	N	50	50	20	N	N	.02	10
JGFD023	31 24 46	111 29 20	20	N	70	30	20	N	N	<.02	20
JGFD052	31 22 37	111 21 0	20	N	50	50	10	N	N	.02	10
JGFD056	31 22 46	111 21 0	20	N	50	50	10	N	N	.02	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
ELM0078	3	150	N	5.0	1,000	2,000	200	50	2.0	15	30
ELM0074	2	200	N	5.0	700	1,500	500	30	2.0	20	50
ELM0057	2	300	N	10.0	700	1,500	300	10	1.0	20	50
ELM0001	2	300	N	20.0	3,000	500	100	10	1.5	20	30
ELM0023	5	150	N	5.0	1,500	1,000	300	<10	1.5	15	200
JGF0035	2	300	N	20.0	1,500	2,000	150	10	1.0	20	50
JGF0082	2	200	N	5.0	1,500	1,500	500	30	2.0	30	50
JGF0068	2	200	N	7.0	700	1,000	300	30	2.0	30	100
JGF0035	2	300	N	7.0	1,500	1,500	500	50	2.0	20	100
JGF0072	2	500	N	15.0	1,500	1,000	300	50	1.5	50	200
JGF0058	1	100	N	3.0	1,000	1,000	300	20	2.0	20	30
JGF0027	2	200	N	10.0	1,000	1,500	300	20	2.0	20	50
JGF0088A	2	300	N	15.0	1,500	1,000	500	30	2.0	20	100
JGF0032	2	200	N	10.0	1,000	1,000	200	20	2.0	15	70
JGF0042	2	200	N	5.0	1,000	1,000	200	30	2.0	20	100
JGF0026	2	200	N	7.0	1,500	1,500	300	20	2.0	20	50
JGF0070	3	200	N	7.0	1,000	1,000	300	30	2.0	20	50
JGF0062	2	100	N	3.0	1,000	1,000	200	30	2.0	15	20
JGF0030	2	150	N	5.0	1,000	1,000	200	10	2.0	20	30
JGF0008	2	200	N	10.0	700	700	150	15	2.0	15	50
JGF0080	2	200	N	7.0	1,500	1,000	300	30	3.0	50	70
JGF0034	2	200	N	10.0	1,500	1,000	200	50	2.0	30	50
JGF0064	2	70	N	3.0	700	700	150	20	2.0	10	20
JGF0044	1	150	N	5.0	700	1,000	300	30	2.0	30	30
JGF0011	1	150	N	5.0	1,000	1,000	100	30	2.0	15	30
JGF0046	5	150	N	7.0	700	1,000	300	20	2.0	20	30
JGF0054	1	100	N	3.0	700	700	200	30	2.0	20	20
JGF0017	2	200	N	7.0	1,000	1,000	200	20	2.0	30	50
JGF0060	1	200	N	7.0	700	700	300	20	2.0	30	50
JGF0050	1	300	N	7.0	700	1,000	500	20	1.5	20	70
JGF0078	2	200	N	7.0	1,000	700	300	15	3.0	30	70
JGF0015	5	150	N	5.0	700	1,000	300	30	2.0	20	50
JGF0003	1	150	N	5.0	1,000	1,000	200	20	2.0	30	50
JGF0074	2	200	N	7.0	1,000	700	300	30	2.0	30	70
JGF0010	2	150	N	7.0	700	1,000	150	100	2.0	20	30
JGF0090	3	200	N	7.0	1,500	1,000	300	50	2.0	30	150
JGF0048	2	100	N	5.0	700	700	500	20	1.5	30	50
JGF0076	2	200	N	7.0	700	500	300	20	1.5	30	70
JGF0066	4	100	N	5.0	700	500	150	20	2.0	15	20
JGF0013	2	150	N	3.0	700	700	300	70	1.5	50	70
JGF0038	2	150	N	5.0	700	700	300	20	1.5	30	30
JGF0021	3	200	N	10.0	1,500	500	300	15	1.5	70	70
JGF0023	2	200	N	5.0	500	700	200	30	1.5	20	30
JGF0052	2	200	N	7.0	700	700	300	20	1.5	15	50
JGF0056	2	150	N	5.0	700	700	200	20	2.0	20	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
ELM0078	1.50	.70	50	30	N	10	200	N	<20	.500
ELM0074	2.00	.30	150	50	N	15	500	N	N	.500
ELM0057	2.00	1.50	50	30	N	10	1,000	N	N	.700
ELM0001	.70	1.50	200	>2,000	<100	15	>1,000	N	20	.500
ELM0023	1.00	.50	200	100	N	10	300	N	N	.300
JGF0035	1.50	1.00	100	50	N	20	>1,000	N	<20	1.000
JGF0082	2.00	7.00	50	30	N	20	500	N	N	.700
JGF0068	1.50	1.00	20	20	N	15	1,000	N	N	.500
JGF0085	3.00	.70	100	50	N	20	700	N	N	1.000
JGF0072	3.00	.30	100	70	150	30	300	N	<20	1.000
JGF0058	1.00	1.00	30	20	N	10	500	N	N	.500
JGF0027	1.00	1.50	150	50	N	20	300	N	N	.700
JGF0038A	5.00	1.50	20	30	N	20	700	N	N	>1.000
JGF0032	.50	1.00	30	50	N	15	700	N	N	1.000
JGF0042	.50	.50	20	30	N	10	1,000	N	N	.500
JGF0026	1.00	1.00	150	70	N	20	500	N	N	.700
JGF0070	.50	.50	50	100	150	15	1,000	N	N	.500
JGF0062	.70	.70	30	20	N	5	300	N	N	.500
JGF0030	1.50	.70	70	70	N	15	500	N	<20	.500
JGF0006	1.00	.30	70	50	N	15	700	N	N	.300
JGF0080	3.00	1.50	50	50	N	30	300	N	N	.300
JGF0004	2.00	1.50	70	30	N	15	500	N	N	.300
JGF0064	.70	.50	30	20	N	7	500	N	N	.700
JGF0044	3.00	1.00	50	20	N	10	300	N	N	.500
JGF0011	.50	.70	100	30	N	10	300	N	N	.500
JGF0046	1.50	1.00	50	20	N	10	500	N	N	.500
JGF0054	1.00	.70	30	20	N	7	300	N	N	.700
JGF0017	1.50	.70	70	30	N	15	300	N	N	.500
JGF0040	1.00	1.00	50	20	N	10	500	N	N	.300
JGF0050	2.00	1.00	150	50	N	15	300	N	N	.500
JGF0078	1.00	1.50	70	30	N	20	500	N	N	>1.000
JGF0015	1.00	1.00	70	50	N	15	500	N	N	1.000
JGF0003	1.50	1.00	100	50	N	15	300	N	N	.700
JGF0074	3.00	2.00	70	50	N	15	300	N	N	.700
JGF0010	.70	.50	70	30	N	15	500	N	N	.700
JGF0090	5.00	2.00	50	30	N	20	200	N	N	.700
JGF0048	3.00	1.50	50	30	N	10	300	N	N	.500
JGF0076	3.00	1.50	70	50	N	15	200	N	N	.500
JGF0066	.70	.70	70	30	N	7	200	N	N	.300
JGF0013	3.00	1.00	70	20	N	10	300	N	N	.300
JGF0038	2.00	.70	50	70	100	10	300	N	N	.300
JGF0021	2.00	1.00	200	50	N	15	500	N	N	.700
JGF0023	1.50	.70	50	20	N	10	300	N	N	.500
JGF0052	1.50	1.00	30	20	N	10	1,000	N	N	.500
JGF0056	1.00	.70	50	20	N	10	500	N	N	.500

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
LCH0026	31 12 3	111 32 11	30	N	50	40	15	N	<.05	.02	20
MEH0066	31 15 9	111 31 13	50	N	50	40	30	N	N	.02	30
LCH0049	31 21 4	111 15 12	30	5	70	50	10	N	N	.08	40
MEH0018	31 22 22	111 30 17	20	N	70	35	20	N	N	.02	10
MEH0053	31 4 33	111 30 36	50	N	100	140	30	.5	N	.02	10
MEH0068	31 5 15	111 29 44	50	15	70	110	50	N	N	.02	10
LCH0033	31 8 1	111 31 6	150	10	70	45	50	1.0	N	.02	30
LCH0031	31 6 36	111 32 39	150	20	150	60	20	N	N	.02	10
MEH0022	31 15 6	111 28 39	100	N	50	35	50	N	N	.02	20
MEH0041	31 10 1	111 28 38	150	7	150	90	20	2.0	N	.04	20
LCH0017	31 15 46	111 30 22	30	N	70	40	15	N	N	.04	10
MEH0031	31 13 31	111 27 38	50	N	70	70	20	N	N	.02	20
LCH0029	31 6 29	111 32 34	150	150	2,000	500	30	2.0	.15	.16	30
LCH0019	31 13 40	111 31 12	50	N	50	50	20	N	N	.02	20
LCH0015	31 16 10	111 30 43	30	N	50	35	20	N	N	.04	30
MEH0064	31 10 38	111 30 9	70	7	150	120	30	N	N	.02	N
LCH0057	31 15 48	111 11 51	30	N	300	400	15	N	N	.04	N
MEH0009	31 21 13	111 31 15	30	5	50	60	20	N	N	.04	10
LCH0051	31 17 16	111 18 57	30	N	70	50	15	N	N	.04	20
MEH0033	31 13 14	111 31 9	70	N	150	55	30	N	N	.02	20
MEH0062	31 9 46	111 32 38	100	10	150	85	20	.7	.25	.22	30
MEH0043	31 10 45	111 30 43	30	N	70	55	20	N	.05	.02	10
MEH0026	31 15 4	111 30 27	70	N	70	50	30	N	N	.02	N
MEH0023	31 15 14	111 28 42	70	20	100	45	15	N	N	.02	10
MEH0055	31 4 11	111 30 59	150	100	500	95	30	N	N	.02	10
MEH0051	31 4 35	111 30 25	100	20	200	140	30	.5	N	.04	20
LCH0054	31 17 18	111 17 42	30	N	70	50	15	N	N	.06	30
LCH0060	31 14 20	111 15 13	30	N	300	300	20	5.0	N	.08	20
MEH0043	31 9 57	111 29 49	100	15	200	140	30	1.0	<.05	.04	20
MEH0071	31 6 15	111 29 32	50	N	70	75	30	N	N	.04	30
MEH0036	31 11 33	111 30 45	70	20	100	55	30	N	N	.02	20
MEH0010	31 22 30	111 29 13	20	N	50	40	20	N	N	.04	30
MEH0016	31 22 42	111 30 4	20	N	70	35	15	N	N	.04	20
LCH0046	31 4 25	111 32 34	50	N	30	90	20	N	N	.02	10
MEH0029	31 13 23	111 28 53	70	N	50	35	50	N	N	.02	30
MEH0006	31 21 19	111 31 11	20	N	50	70	20	N	N	.06	10
MEH0005	31 21 26	111 31 48	30	N	70	45	20	N	N	.04	20
MEH0047	31 4 19	111 29 58	70	7	70	90	30	N	N	.04	10
MEH0038	31 11 0	111 27 29	100	30	200	190	30	N	N	.04	10
MEH0013	31 22 23	111 29 14	20	5	70	35	15	N	N	.04	20
LCH0023	31 12 13	111 30 3	50	N	100	80	20	N	N	.02	30
MEH0003	31 21 5	111 32 26	100	N	30	65	70	N	N	.02	10
LCH0021	31 12 50	111 30 36	50	N	70	105	30	N	N	.02	30
MEH0059	31 6 8	111 32 34	50	N	70	40	30	N	N	.04	20
MEH0042	31 9 59	111 28 46	150	20	150	120	20	3.0	.10	.24	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
LCH0026	1	200	N	5.0	1,000	700	300	20	1.5	15	50
MEH0066	1	300	N	15.0	700	700	500	20	1.5	30	100
LCH0049	1	100	N	3.0	1,000	500	300	30	2.0	20	20
MEH0018	4	200	N	5.0	700	700	500	50	1.5	30	70
MEH0053	1	300	N	15.0	2,000	2,000	300	15	2.0	30	100
MEH0068	1	500	N	>20.0	2,000	1,000	200	10	2.0	30	200
LCH0033	2	500	N	20.0	700	700	300	15	1.5	30	100
LCH0031	1	500	50	20.0	1,000	700	150	10	2.0	15	100
MEH0022	1	1,000	N	>20.0	700	500	200	10	1.0	30	200
LCH0041	2	200	N	7.0	1,500	1,000	500	20	2.0	30	30
LCH0017	3	300	N	7.0	700	700	300	20	1.0	20	70
MEH0031	1	200	N	7.0	1,000	500	500	10	1.5	20	50
LCH0029	10	500	100	20.0	700	700	150	15	2.0	10	70
LCH0019	2	500	N	15.0	700	300	200	10	1.0	20	150
LCH0015	3	300	N	10.0	700	1,500	300	50	1.5	15	30
MEH0064	2	200	N	7.0	1,000	700	500	15	1.5	30	70
LCH0057	3	150	N	5.0	2,000	700	300	30	1.5	15	30
MEH0009	1	300	N	7.0	1,000	1,000	300	30	1.5	20	50
LCH0051	4	200	N	5.0	700	500	200	50	1.5	15	30
MEH0033	1	500	50	15.0	1,000	500	500	10	1.5	20	150
MEH0062	3	300	N	7.0	1,000	700	500	20	2.0	20	70
LCH0043	1	200	N	7.0	1,000	700	500	20	1.5	30	70
MEH0026	1	300	N	10.0	1,500	700	500	20	2.0	20	100
MEH0023	1	200	N	5.0	500	500	300	15	1.5	20	50
MEH0055	1	300	N	20.0	2,000	2,000	300	10	1.5	30	200
MEH0051	1	300	N	15.0	2,000	3,000	200	50	2.0	50	150
LCH0054	2	200	N	5.0	700	700	300	50	2.0	15	30
LCH0060	15	300	N	10.0	1,500	1,000	300	30	2.0	20	70
MEH0043	5	300	N	7.0	1,000	700	500	15	1.5	30	50
MEH0071	1	500	50	20.0	1,000	700	300	10	2.0	30	150
MEH0036	3	700	<50	20.0	1,000	500	150	10	1.0	30	300
MEH0010	2	200	N	5.0	1,000	700	500	20	1.5	50	100
MEH0016	5	200	N	5.0	700	700	200	100	1.5	20	50
LCH0046	<1	300	N	15.0	1,500	700	300	15	2.0	30	100
MEH0029	<1	1,000	N	>20.0	700	300	200	N	1.0	20	200
MEH0006	2	700	N	20.0	700	1,000	200	20	1.0	20	70
MEH0005	4	300	N	15.0	700	700	300	50	1.0	30	100
MEH0047	1	300	N	15.0	1,000	1,000	300	10	2.0	30	100
MEH0038	1	300	N	7.0	1,500	1,000	500	15	1.5	30	70
MEH0013	2	200	N	5.0	700	1,000	500	30	1.0	30	100
LCH0023	<1	200	N	7.0	1,000	700	500	20	2.0	15	50
MEH0003	<1	2,000	N	>20.0	1,500	500	200	10	N	100	700
LCH0021	1	500	N	15.0	1,500	700	500	30	1.0	30	150
MEH0059	1	700	N	>20.0	700	500	150	15	1.0	20	150
MEH0042	2	200	N	10.0	1,000	700	500	50	1.5	50	70

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
LCH0026	3.00	1.00	50	20	N	15	1,000	N	N	.500
MEH0066	5.00	2.00	100	50	N	15	1,000	N	N	.700
LCH0049	2.00	1.50	50	30	N	10	200	N	N	.300
MEH0018	3.00	1.50	50	50	N	15	500	N	N	.500
MEH0053	3.00	1.50	100	70	N	20	700	N	<20	1.000
MEH0068	3.00	2.00	70	70	N	30	700	N	<20	>1.000
LCH0033	3.00	1.50	70	50	N	20	700	N	N	1.000
LCH0031	2.00	.70	70	50	<100	10	>1,000	N	N	.700
MEH0022	2.00	.70	150	50	100	10	>1,000	N	N	.700
MEH0041	3.00	2.00	100	30	N	20	500	N	N	.700
LCH0017	3.00	1.00	70	50	N	20	1,000	N	N	.700
MEH0031	5.00	2.00	200	50	N	20	500	N	N	.500
LCH0029	3.00	1.00	70	50	200	7	>1,000	N	N	.300
LCH0019	5.00	1.50	100	30	<100	10	1,000	N	N	.700
LCH0015	2.00	1.00	70	50	N	15	1,000	N	N	.700
MEH0064	3.00	1.50	70	30	N	15	700	N	N	.700
LCH0057	2.00	1.00	50	50	N	10	300	N	N	.500
MEH0009	3.00	1.50	70	70	N	20	700	N	N	.700
LCH0051	1.00	1.00	20	20	N	10	500	N	N	.500
MEH0033	3.00	1.50	100	50	N	20	1,000	N	N	.700
MEH0062	3.00	1.00	70	30	N	15	700	N	N	.700
LCH0043	3.00	1.00	70	20	N	10	500	N	N	.500
MEH0026	3.00	1.50	100	50	N	20	1,000	N	<20	1.000
MEH0023	2.00	1.00	70	30	N	10	1,000	N	N	.500
MEH0055	3.00	2.00	150	70	N	20	1,000	N	N	.700
MEH0051	3.00	2.00	100	100	N	30	500	N	<20	1.000
LCH0054	1.50	1.50	50	30	N	10	30	N	N	.500
LCH0060	2.00	1.00	30	50	N	15	500	N	N	.500
MEH0043	3.00	2.00	70	30	N	15	300	N	N	.500
MEH0071	2.00	1.50	70	50	N	15	70	N	<20	.700
MEH0036	2.00	1.00	50	50	N	15	>1,000	N	<20	1.000
MEH0010	5.00	2.00	70	20	N	10	300	N	N	.500
MEH0016	1.00	.50	70	20	N	10	300	N	N	.500
LCH0046	5.00	2.00	100	150	N	30	700	N	N	1.000
MEH0029	3.00	1.00	70	50	100	15	>1,000	N	N	.500
MEH0006	3.00	1.00	100	100	<100	15	>1,000	N	20	1.000
MEH0005	3.00	1.50	50	50	N	15	1,000	N	N	.700
MEH0047	5.00	1.50	150	70	N	20	500	N	<20	1.000
MEH0038	5.00	2.00	70	30	N	20	300	N	N	.500
MEH0013	5.00	1.50	100	30	N	15	300	N	N	.700
LCH0023	7.00	1.50	70	30	100	20	700	N	N	.700
MEH0003	3.00	2.00	70	30	N	50	1,000	N	50	>1.000
LCH0021	5.00	2.00	70	50	N	20	1,000	N	20	1.000
MEH0059	1.00	.30	50	50	100	10	>1,000	N	<20	.700
MEH0042	3.00	1.50	70	30	N	15	300	N	N	1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
LCH0037	31 8 22	111 31 16	100	N	70	50	30	70.0	.30	.08	20
LCH0040	31 11 8	111 29 52	70	N	150	120	20	1.0	N	.04	20
MEH0002	31 21 15	111 32 14	50	N	70	130	20	N	N	.08	20
GHA0081	31 13 38	111 13 38	30	N	100	55	20	N	N	.35	<10
MEH0112	31 0 33	111 23 46	70	N	100	75	30	N	N	.02	<10
MEH0090	31 1 41	111 27 2	50	N	70	85	30	N	<.05	.06	40
GHA0084	31 13 57	111 15 9	30	N	100	65	15	N	N	.18	10
GHA0074	31 20 44	111 17 12	20	5	70	60	15	N	.10	.06	10
MEH0104	31 16 57	111 23 27	70	N	200	30	30	N	N	.04	<10
JGF0103	31 10 25	111 20 26	20	N	70	35	15	N	N	.04	10
JGF0104	31 0 57	111 24 38	50	N	70	55	30	N	N	.06	30
MEH0138	30 57 36	111 23 20	30	N	70	45	20	N	N	.02	10
RLT0049	31 13 5	111 19 48	30	N	150	35	15	N	N	.06	10
GHA0074	31 20 44	111 17 12	15	N	30	25	10	N	N	.02	10
MEH0083	31 3 37	111 29 18	30	5	50	45	15	N	N	.02	60
MEH0106	31 16 51	111 22 19	30	N	100	60	20	N	N	.06	20
MEH0124	31 1 39	111 19 0	20	N	100	50	15	N	N	.04	N
MEH0092	31 1 42	111 27 11	50	10	70	70	20	N	.10	.08	30
MEH0098	31 18 40	111 22 47	20	N	30	35	20	N	N	.06	10
MEH0107	31 5 38	111 22 45	30	N	50	50	20	N	N	.02	30
RLT0045	31 16 22	111 11 53	20	N	200	70	10	N	N	.14	30
MEH0094	31 0 15	111 25 8	70	N	100	75	20	N	N	.06	40
MEH0089	31 2 22	111 28 20	30	N	50	35	20	N	N	.08	40
MEH0118	31 4 37	111 22 20	30	7	30	65	30	N	N	.04	20
JGF0110	31 10 11	111 20 28	20	7	70	65	15	N	N	.02	10
MEH0096	31 17 18	111 22 6	20	N	30	30	20	N	N	.04	N
MEH0129	31 1 6	111 20 40	20	N	50	70	10	N	N	.04	20
MEH0127	31 1 27	111 18 52	20	N	100	65	15	N	N	.02	<10
MEH0121	31 1 59	111 23 20	50	7	70	50	20	N	N	.08	<10
JGF0103	31 0 59	111 24 29	70	N	70	35	50	N	N	.04	60
MEH0084	31 3 49	111 29 25	100	5	100	40	30	N	N	.06	10
MEH0134	30 58 47	111 21 45	50	7	100	30	30	N	N	.02	<10
LCH0019	31 13 40	111 31 12	30	N	100	75	30	N	N	.06	N
MEH0103	31 17 27	111 23 24	30	N	70	55	50	N	N	.06	20
MEH0075	31 6 25	111 30 8	100	15	100	55	30	N	N	.02	10
MEH0109	31 0 21	111 23 18	50	N	100	100	30	N	N	.04	10
MEH0115	31 3 35	111 23 1	30	10	70	45	20	N	N	<.02	10
LCH0064	31 14 49	111 18 33	20	5	70	30	15	N	N	.06	10
RLT0051	31 15 31	111 18 21	20	N	50	35	10	N	N	.04	<10
MEH0086	31 2 54	111 28 13	50	7	70	85	30	N	N	.06	40
MEH0123	31 1 41	111 19 51	30	5	150	80	20	N	N	.06	<10
MEH0078	31 6 27	111 29 53	150	20	100	50	30	.5	N	.02	<10
MEH0133	30 59 51	111 21 9	50	N	150	25	20	N	N	.02	10
JGF0106	31 11 48	111 20 33	20	N	150	25	15	N	N	<.02	10
MEH0101	31 18 48	111 22 41	30	N	100	110	30	N	N	.02	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
LCH0037	2	500	N	20.0	700	500	300	30	1.0	30	100
LCH0040	2	300	N	7.0	700	700	300	20	1.0	30	70
MEH0002	3	300	N	15.0	1,000	1,000	500	50	1.5	50	100
GHA0081	3	200	N	7.0	1,000	700	300	50	1.5	20	50
MEH0112	1	500	N	20.0	1,500	700	300	20	1.5	30	200
MEH0090	5	300	N	15.0	1,000	1,000	300	20	2.0	20	150
GHA0084	2	200	N	5.0	1,000	700	500	70	2.0	20	50
GHA0074	N	200	N	5.0	700	500	200	50	1.5	15	50
MEH0104	2	300	N	10.0	1,500	700	300	20	2.0	30	100
JGF0108	2	150	N	5.0	1,000	700	150	70	2.0	20	30
JGF0104	3	500	N	20.0	1,500	1,000	300	20	1.0	50	200
MEH0138	<1	500	N	20.0	2,000	500	200	50	1.5	30	150
RLT0049	4	150	N	5.0	1,000	700	300	30	1.5	20	50
GHA0074	1	150	N	5.0	500	500	300	30	3.0	20	20
MEH0083	2	150	N	5.0	700	700	300	50	3.0	30	50
MEH0106	2	200	N	7.0	1,000	700	500	30	2.0	30	50
MEH0124	<1	200	N	5.0	1,500	700	300	70	2.0	50	50
MEH0092	4	300	N	10.0	1,500	1,500	300	30	3.0	30	70
MEH0098	1	200	N	7.0	500	700	500	20	2.0	50	50
MEH0107	2	200	N	7.0	1,000	1,500	300	50	2.0	50	100
RLT0045	15	150	N	5.0	1,000	1,000	200	70	2.0	20	20
MEH0094	4	300	N	10.0	1,000	1,500	300	30	2.0	30	100
MEH0089	4	200	N	7.0	700	1,000	300	20	1.0	20	30
MEH0118	3	200	N	7.0	1,000	1,000	500	50	1.5	70	100
JGF0110	<1	100	N	5.0	1,000	700	300	50	2.0	30	30
MEH0096	<1	150	N	5.0	500	700	500	30	2.0	50	50
MEH0129	1	150	N	5.0	700	700	300	50	2.0	20	30
MEH0127	<1	150	N	5.0	1,000	500	200	70	2.0	30	50
MEH0121	1	300	N	10.0	1,500	1,500	500	30	1.5	50	100
JGF0103	2	700	N	>20.0	1,500	1,000	300	30	1.0	50	300
MEH0084	1	300	N	15.0	2,000	1,500	300	30	2.0	50	150
MEH0134	2	500	N	15.0	1,500	1,000	300	200	1.5	50	100
LCH0019	3	500	N	20.0	1,000	700	300	30	1.5	70	100
MEH0103	2	500	N	15.0	1,000	1,500	500	30	1.0	70	150
MEH0075	<1	500	300	20.0	700	700	200	20	3.0	50	70
MEH0109	1	300	N	20.0	1,500	700	200	15	2.0	30	150
MEH0115	1	200	N	7.0	1,500	1,000	300	10	2.0	50	70
LCH0064	3	200	N	5.0	700	1,000	300	50	2.0	30	70
RLT0051	3	150	N	5.0	700	700	300	30	2.0	20	50
MEH0086	2	300	N	10.0	1,500	1,500	200	20	2.0	30	70
MEH0123	1	150	N	5.0	1,000	700	300	70	2.0	70	70
MEH0078	10	300	50	7.0	1,000	700	200	20	3.0	20	30
MEH0133	1	200	N	7.0	2,000	1,000	500	100	2.0	50	100
JGF0106	3	200	N	7.0	1,000	700	200	70	2.0	20	30
MEH0101	1	300	N	10.0	1,000	700	500	20	1.5	50	100

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
LCH0037	1.50	1.00	70	70	<100	15	500	N	N	1.000
LCH0040	3.00	1.50	100	20	N	15	300	N	N	.700
MEH0002	3.00	1.00	100	70	N	15	700	30	N	1.000
GHA0081	3.00	1.50	30	30	N	15	700	N	N	.500
MEH0112	5.00	1.50	70	50	<100	20	1,000	N	<20	>1.000
MEH0090	7.00	1.50	70	30	N	20	1,000	N	N	1.000
GHA0084	3.00	1.50	30	20	N	15	300	N	N	1.000
GHA0074	1.50	1.00	50	20	N	10	300	N	N	.300
MEH0104	3.00	2.00	70	50	N	20	300	N	N	1.000
JGF0108	1.00	.50	50	30	N	10	500	N	N	.500
JGF0104	5.00	1.00	50	50	N	15	500	N	N	1.000
MEH0138	2.00	.70	50	70	N	20	1,000	N	50	>1.000
RLT0049	3.00	1.00	70	50	N	10	300	N	N	.500
GHA0074	.70	.50	30	15	N	7	300	N	N	.300
MEH0083	2.00	1.50	50	30	N	10	200	N	N	.500
MEH0106	3.00	1.50	50	30	N	15	300	N	N	.700
MEH0124	3.00	1.00	100	50	N	15	300	N	N	.500
MEH0092	3.00	1.50	70	50	N	20	500	N	<20	1.000
MEH0098	2.00	1.00	50	20	N	15	500	N	N	.700
MEH0107	3.00	1.00	50	30	N	15	500	N	N	.700
RLT0045	1.50	.70	30	30	N	10	200	N	N	.500
MEH0094	3.00	1.50	50	50	N	15	300	N	N	1.000
MEH0089	3.00	1.00	30	20	N	7	300	N	N	.500
MEH0118	5.00	2.00	70	50	N	20	300	N	N	1.000
JGF0110	3.00	1.00	50	30	N	10	500	N	N	.500
MEH0096	3.00	1.50	50	20	N	10	300	N	N	.500
MEH0129	1.50	.70	70	30	N	10	300	N	N	.700
MEH0127	3.00	1.00	100	50	N	15	300	N	N	.500
MEH0121	5.00	1.50	50	50	N	20	1,000	N	N	1.000
JGF0103	5.00	1.50	50	50	N	20	1,000	N	N	>1.000
MEH0084	3.00	2.00	100	70	N	30	500	N	N	>1.000
MEH0134	3.00	1.00	200	70	N	20	500	N	20	>1.000
LCH0019	2.00	1.00	70	70	N	20	>1,000	N	20	>1.000
MEH0103	5.00	1.50	70	50	N	20	700	N	N	>1.000
MEH0075	3.00	1.00	70	50	100	10	1,000	N	N	.500
MEH0109	3.00	1.50	50	50	N	20	300	N	N	1.000
MEH0115	2.00	1.00	30	30	N	15	1,000	N	N	.700
LCH0064	1.50	.70	70	50	N	15	300	N	N	.700
RLT0051	1.50	.70	50	30	N	10	300	N	N	.500
MEH0086	3.00	2.00	70	50	N	30	300	N	N	1.000
MEH0123	3.00	1.50	50	50	N	15	200	N	N	.700
MEH0078	3.00	1.50	70	50	N	15	500	N	N	.700
MEH0133	5.00	1.50	70	50	N	30	300	N	N	.700
JGF0105	2.00	.70	70	30	N	10	200	N	N	.500
MEH0101	3.00	1.50	70	30	N	15	200	N	N	.700

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
MEH0135	31 17 6	111 23 38	30	N	100	25	20	N	N	.04	<10
GHA0071	31 20 49	111 15 18	20	N	100	80	10	N	N	.06	<10
MEH0131	31 0 40	111 21 6	30	N	70	70	20	N	N	<.02	<10
RLT0036	31 21 1	111 16 25	30	N	100	90	10	N	N	.06	N
LCH0067	31 17 29	111 30 46	30	N	150	30	20	N	N	<.02	80
JGF0113	31 5 4	111 23 22	30	N	100	45	20	N	N	.04	80
JGF0114	31 5 8	111 23 25	30	15	70	70	30	N	N	.04	30
JGF0097	31 2 34	111 24 11	50	7	70	100	20	N	N	.02	20
JGF0095	31 3 12	111 24 10	70	N	70	90	20	N	N	.02	20
JGF0100	31 1 29	111 24 22	70	N	70	80	20	N	N	.04	<10
JGF0092	31 4 24	111 24 8	50	N	100	140	30	N	<.05	.02	20
RLT0039	31 19 29	111 15 48	20	7	50	35	15	N	N	.04	10
RLT0042	31 15 35	111 11 5	50	N	1,500	3,300	10	.5	N	.10	20
GHA0092	31 14 32	111 16 11	30	N	50	35	10	N	N	.04	N
GHA0086	31 17 1	111 12 58	30	N	70	45	15	N	N	.06	N
RLT0054	31 15 43	111 18 41	30	5	70	35	15	N	N	.04	<10
GHA0088	31 17 21	111 13 21	30	N	150	75	10	N	N	.08	<10
GHA0095	31 9 22	111 19 25	50	N	70	40	20	N	N	.04	<10
RLT0057	31 17 58	111 30 43	20	15	70	30	20	N	N	.06	20
GHA0096	31 9 31	111 19 19	30	N	100	40	20	N	N	.04	20
GHA0091	31 15 4	111 15 10	50	5	100	80	15	N	N	.08	N
JGF0148	31 15 13	110 36 29	20	N	50	45	10	N	N	.02	10
JGF0130	31 18 43	110 40 5	500	20	50	75	30	N	.10	.02	10
MEH0157	31 17 11	110 47 47	150	7	30	40	20	N	N	.02	N
MEH0193	31 13 45	110 45 37	70	N	30	25	50	N	N	.06	<10
MEH0204	31 5 7	110 38 50	50	N	30	20	30	N	N	.02	<10
JGF0117	31 18 3	110 36 30	100	N	30	45	20	N	N	<.02	<10
MEH0176	31 9 0	110 44 32	30	N	50	45	20	N	N	.06	20
MEH0147	31 15 16	110 49 15	30	N	30	40	30	N	N	.04	<10
JGF0176	31 18 36	110 29 8	70	N	30	40	50	N	N	.04	10
RLT0066	31 6 36	111 15 7	30	5	150	130	10	N	N	.02	N
MEH0144	31 17 7	110 48 40	50	N	50	35	50	N	N	.02	N
JGF0171	31 10 5	110 36 32	20	N	150	85	10	N	N	.04	30
MEH0143	31 17 24	110 49 36	30	N	30	40	30	N	N	.02	<10
RLT0081	31 9 34	111 14 44	50	10	1,500	280	10	1.5	N	.04	40
LCH0112	31 8 15	111 9 25	100	20	150	100	15	N	<.05	.02	10
MEH0210	31 3 46	110 39 1	50	5	70	35	30	N	N	.02	60
MEH0201	31 8 52	110 37 43	30	N	100	50	5	N	N	.08	40
RLT0075	31 8 33	111 15 49	30	100	300	150	20	.7	N	.04	40
RLT0096	31 9 26	111 11 18	20	N	50	35	10	N	N	.04	<10
MEH0189	31 15 31	110 46 50	70	N	50	30	20	N	N	.04	<10
LCH0121	31 8 31	111 9 6	20	N	70	40	15	N	N	.04	10
RLT0037	31 9 58	111 13 39	50	100	1,500	200	10	1.0	N	.08	40
MEH0208	31 3 44	110 38 35	50	N	30	40	30	N	N	.02	10
MEH0197	31 10 39	110 42 25	200	10	50	40	20	N	N	.04	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
MEH0105	2	200	N	7.0	1,000	700	500	20	1.5	50	50
GHA0071	3	150	N	5.0	1,000	700	300	20	1.5	15	15
MEH0131	1	300	N	7.0	1,000	1,000	300	50	2.0	30	50
RLT0036	2	150	N	3.0	700	500	200	30	2.0	20	30
LCH0067	15	300	N	10.0	1,500	1,000	100	100	2.0	20	50
JGF0113	10	500	N	10.0	1,000	1,000	700	50	1.0	50	150
JGF0114	20	300	N	10.0	700	1,500	300	70	1.5	50	150
JGF0097	3	300	N	10.0	1,000	1,000	300	30	2.0	50	100
JGF0095	3	300	N	7.0	1,500	1,000	500	20	2.0	50	100
JGF0100	3	500	N	15.0	1,000	700	200	20	1.5	50	200
JGF0092	5	300	N	20.0	2,000	700	300	20	2.0	50	150
RLT0059	3	200	N	7.0	1,000	700	200	30	2.0	20	30
RLT0042	5	100	N	5.0	2,000	1,000	200	50	2.0	15	30
GHA0092	3	100	N	3.0	500	700	300	50	2.0	20	50
GHA0066	3	100	N	5.0	700	700	300	50	2.0	15	50
RLT0054	3	150	N	7.0	700	700	300	50	3.0	50	70
GHA0088	4	100	N	3.0	1,000	500	200	30	3.0	20	20
GHA0095	2	200	N	10.0	1,000	700	300	150	1.5	50	100
RLT0057	3	200	N	7.0	500	700	200	50	1.5	50	100
GHA0096	4	200	N	10.0	1,000	700	300	100	2.0	50	100
GHA0091	3	100	N	5.0	1,000	500	200	50	3.0	30	30
JGF0148	--	200	N	5.0	700	500	300	30	2.0	20	30
JGF0130	--	300	N	10.0	700	300	200	10	2.0	20	50
MEH0157	--	300	N	10.0	1,000	500	300	20	2.0	20	50
MEH0193	--	700	N	>20.0	1,500	300	200	15	1.0	15	200
MEH0204	--	500	N	15.0	1,500	500	300	30	2.0	20	100
JGF0117	--	300	N	10.0	1,000	500	200	10	2.0	15	50
MEH0176	--	150	N	7.0	1,500	700	200	20	5.0	30	50
MEH0147	--	300	N	10.0	1,000	700	500	15	2.0	50	150
JGF0176	--	300	N	10.0	1,000	500	700	15	2.0	70	100
RLT0066	--	150	N	5.0	1,500	700	300	100	3.0	15	20
MEH0144	--	300	N	15.0	1,500	500	700	20	2.0	30	200
JGF0171	--	70	N	3.0	2,000	700	200	100	5.0	15	20
MEH0143	--	200	N	7.0	1,000	700	700	30	3.0	20	100
RLT0081	--	70	N	5.0	5,000	1,000	150	30	5.0	15	20
LCH0112	--	100	N	15.0	1,500	700	150	200	3.0	10	15
MEH0210	--	300	N	15.0	1,500	500	300	50	1.5	30	100
MEH0201	--	50	N	3.0	1,500	300	100	50	7.0	7	10
RLT0075	--	100	N	5.0	1,500	700	100	70	5.0	20	30
RLT0096	--	100	N	5.0	700	700	100	100	1.5	15	20
MEH0189	--	300	N	10.0	1,000	700	300	20	3.0	15	50
LCH0121	--	100	N	3.0	1,000	700	200	50	3.0	15	20
RLT0087	--	70	200	7.0	3,000	1,000	150	100	3.0	10	20
MEH0208	--	500	N	20.0	2,000	500	200	30	2.0	20	150
MEH0197	--	300	N	15.0	1,500	1,000	200	20	2.0	15	50

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0105	5.00	2.00	70	30	N	20	300	N	N	.700
GHA0071	2.00	.70	70	20	N	10	200	N	N	.500
MEH0131	2.00	1.00	70	50	N	15	300	N	N	.700
RLT0036	2.00	1.00	50	20	N	10	200	N	N	.500
LCH0067	1.00	.70	100	100	N	20	300	N	N	.700
JGF0113	5.00	1.50	70	50	N	20	300	N	N	1.000
JGF0114	5.00	2.00	70	30	N	20	500	N	N	.700
JGF0097	5.00	2.00	70	70	N	20	300	N	N	.700
JGF0095	5.00	2.00	70	50	N	20	300	N	N	1.000
JGF0100	5.00	2.00	100	50	N	20	300	N	N	1.000
JGF0092	5.00	1.50	50	50	N	30	1,000	N	N	1.000
RLT0039	1.00	1.00	50	20	N	10	500	N	N	.500
RLT0042	5.00	1.00	70	70	N	15	200	N	N	.300
GHA0092	2.00	1.00	50	30	N	10	200	50	N	.300
GHA0086	3.00	1.50	50	30	N	15	300	N	N	.500
RLT0054	2.00	1.00	100	30	N	15	300	N	N	.500
GHA0088	2.00	1.00	70	50	N	10	300	N	N	.300
GHA0095	5.00	1.50	50	50	N	20	300	N	N	1.000
RLT0057	3.00	1.00	70	50	N	15	300	N	N	.700
GHA0096	2.00	1.00	50	50	N	15	500	N	N	.700
GHA0091	2.00	1.00	100	70	N	15	200	N	N	.500
JGF0148	2.00	1.00	50	30	N	20	300	N	N	.500
JGF0130	1.50	1.50	150	50	N	20	1,000	N	N	.500
MEH0157	3.00	1.50	70	30	N	20	1,000	N	N	.700
MEH0193	1.50	.30	70	30	N	10	>1,000	N	N	.700
MEH0204	3.00	1.50	100	70	100	20	1,000	N	20	>1.000
JGF0117	2.00	1.00	70	50	N	15	500	N	N	.700
MEH0176	1.50	1.00	70	100	<100	15	500	N	20	.300
MEH0147	2.00	1.50	70	30	N	10	1,000	N	N	.700
JGF0176	3.00	2.00	70	30	N	20	300	N	N	1.000
RLT0066	3.00	1.00	50	20	N	15	300	N	N	.300
MEH0144	5.00	2.00	100	50	N	20	>1,000	N	N	1.000
JGF0171	1.00	1.00	70	30	N	10	300	N	N	.300
MEH0143	3.00	1.50	100	30	N	20	1,000	N	N	.700
RLT0081	.70	.70	70	50	N	10	300	N	N	.300
LCH0112	.30	.50	100	100	N	10	>1,000	N	N	.500
MEH0210	1.50	.50	50	30	N	15	500	N	20	1.000
MEH0201	.50	.50	70	70	N	10	300	10	30	.200
RLT0075	1.00	1.00	70	50	N	10	300	N	N	.300
RLT0096	.50	.50	50	50	N	10	300	N	N	.300
MEH0189	2.00	.70	70	70	N	15	700	N	N	.700
LCH0121	1.00	1.00	30	30	N	10	500	N	N	.300
RLT0087	.70	.50	50	50	N	10	>1,000	N	N	.300
MEH0208	3.00	1.50	70	50	N	20	>1,000	N	N	1.000
MEH0197	2.00	1.50	50	50	N	15	700	N	N	.700

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
LCH0133	31 7 39	111 6 25	100	7	70	50	15	N	.40	.12	<10
MEH0170	31 13 3	110 45 44	50	N	50	40	20	N	.10	.06	10
LCH0140	31 6 19	111 5 24	50	7	200	35	15	N	N	.06	10
GHA0135	31 16 49	110 57 52	20	5	50	110	15	N	N	.06	10
GHA0150	31 18 20	111 2 5	70	7	200	100	20	.5	N	.06	10
GHA0133	31 16 50	110 58 47	20	10	100	60	15	N	N	<.02	N
MEH0138	31 14 0	110 46 16	50	N	70	40	20	N	N	.04	N
MEH0172	31 11 37	110 44 48	50	N	30	40	20	N	N	.04	N
LCH0097	31 8 4	111 17 4	70	10	150	120	20	N	N	.02	10
LCH0136	31 7 11	111 5 52	50	N	150	90	10	N	N	.04	10
GHA0156	31 18 7	111 1 19	50	N	100	90	50	N	N	.06	40
MEH0164	31 8 0	110 38 37	50	N	50	50	50	N	N	.06	N
GHA0165	31 18 34	111 0 19	30	N	70	60	30	N	N	.06	40
GHA0119	31 14 45	111 2 53	30	N	70	35	20	N	N	.04	10
GHA0138	31 17 26	110 58 12	30	5	100	90	7	N	N	.02	20
MEH0221	31 2 21	110 38 11	50	N	100	60	20	N	N	.06	20
LCH0118	31 8 40	111 10 12	50	N	150	55	10	N	N	.04	<10
LCH0115	31 8 42	111 9 32	15	N	70	35	10	N	N	.04	20
MEH0191	31 14 11	110 45 47	30	N	70	35	20	N	N	.02	<10
MEH0150	31 16 31	110 47 56	30	N	50	60	20	N	N	.06	<10
MEH0180	31 6 27	110 43 43	20	5	50	40	7	N	N	.12	10
LCH0124	31 8 27	111 8 3	30	7	50	35	15	N	N	.04	30
GHA0168	31 18 53	110 59 44	20	7	30	60	15	N	N	.04	20
MEH0184	31 8 17	110 36 49	30	N	50	35	20	N	N	.04	N
MEH0217	31 2 26	110 36 20	50	10	50	35	20	N	N	.04	10
LCH0091	31 8 43	111 16 25	50	15	100	80	30	N	N	.04	10
LCH0094	31 8 27	111 16 38	100	N	30	55	50	N	N	.10	<10
MEH0153	31 7 23	110 43 47	30	N	70	30	10	N	N	.04	20
LCH0100	31 7 41	111 17 54	70	10	70	70	20	N	N	<.02	10
MEH0206	31 4 56	110 38 33	70	N	50	40	50	N	N	.04	10
LCH0103	31 7 25	111 18 4	50	N	150	100	20	N	N	.02	<10
MEH0160	31 17 27	110 48 10	100	N	50	60	50	N	N	.02	<10
LCH0106	31 7 48	111 17 10	50	N	300	120	15	N	N	.02	10
GHA0144	31 17 39	111 2 11	30	5	50	70	15	N	N	.06	10
MEH0195	31 10 11	110 43 10	150	N	70	35	20	N	N	.02	20
LCH0073	31 10 19	111 13 8	50	N	70	50	20	N	N	.04	10
MEH0151	31 15 47	110 46 42	150	7	30	50	20	N	N	.06	<10
LCH0076	31 10 22	111 13 44	30	N	100	70	15	N	N	.04	<10
GHA0177	31 16 28	111 5 22	30	N	50	45	20	N	N	.06	<10
LCH0079	31 10 18	111 14 8	50	10	70	70	20	N	N	.02	20
MEH0168	31 7 15	110 41 30	30	5	30	25	30	N	N	<.02	<10
GHA0123	31 16 12	110 59 35	30	7	70	80	20	N	N	.08	10
MEH0179	31 7 48	110 43 47	50	N	50	40	15	N	N	.18	N
GHA0147	31 17 46	111 2 36	30	N	150	90	20	N	N	.06	10
MEH0177	31 7 42	110 43 28	30	N	30	40	15	N	N	.02	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
LCH0133	--	70	N	7.0	2,000	700	100	300	3.0	30	30
MEH0170	--	150	N	5.0	700	1,000	500	20	2.0	30	30
LCH0140	--	70	N	5.0	1,500	1,000	100	200	3.0	10	15
GHA0135	--	200	N	7.0	1,000	700	100	70	3.0	15	50
GHA0150	--	150	N	7.0	2,000	1,000	200	50	3.0	15	15
GHA0133	--	200	N	15.0	1,000	700	100	20	3.0	7	15
MEH0188	--	150	N	7.0	1,000	1,000	500	15	3.0	50	50
MEH0172	--	200	N	10.0	1,000	700	300	20	3.0	50	100
LCH0097	--	300	N	10.0	1,500	700	200	100	2.0	30	100
LCH0136	--	70	N	3.0	1,500	1,000	150	100	3.0	15	20
GHA0156	--	200	N	7.0	2,000	500	100	50	3.0	100	500
MEH0164	--	500	N	15.0	1,500	700	200	20	2.0	30	100
GHA0165	--	150	N	5.0	2,000	500	200	30	3.0	100	200
GHA0119	--	200	N	5.0	1,000	1,000	500	30	3.0	50	70
GHA0138	--	100	N	7.0	1,500	700	100	30	5.0	10	10
MEH0221	--	150	N	5.0	1,000	1,000	500	100	3.0	30	30
LCH0118	--	70	N	3.0	700	1,000	150	200	3.0	15	20
LCH0115	--	100	N	3.0	1,000	1,000	200	50	1.5	15	15
MEH0191	--	300	N	15.0	1,000	700	300	20	2.0	20	100
MEH0150	--	200	N	10.0	1,000	500	200	15	2.0	30	100
MEH0180	--	50	N	3.0	1,000	500	200	20	5.0	15	20
LCH0124	--	150	N	10.0	1,500	700	N	50	2.0	10	20
GHA0168	--	100	N	5.0	2,000	700	100	70	3.0	50	100
MEH0184	--	300	N	15.0	1,500	500	200	20	1.0	15	70
MEH0217	--	300	N	10.0	1,500	700	300	30	2.0	20	70
LCH0091	--	200	N	10.0	2,000	1,000	500	50	3.0	70	200
LCH0094	--	300	N	15.0	2,000	700	700	30	3.0	150	500
MEH0183	--	100	N	5.0	1,000	700	150	100	3.0	15	30
LCH0100	--	100	N	5.0	1,500	1,000	300	70	3.0	50	50
MEH0206	--	500	N	20.0	1,500	700	300	30	2.0	20	100
LCH0103	--	100	N	7.0	1,500	1,000	500	100	3.0	50	70
MEH0160	--	300	N	15.0	1,500	500	300	20	1.5	30	150
LCH0106	--	150	N	7.0	2,000	1,500	300	100	3.0	20	50
GHA0144	--	100	N	7.0	2,000	1,000	100	100	3.0	15	30
MEH0195	--	300	N	10.0	1,000	700	200	30	2.0	30	100
LCH0073	--	200	N	10.0	1,500	700	700	50	3.0	30	50
MEH0151	--	200	N	7.0	1,000	700	500	20	3.0	10	30
LCH0076	--	150	N	7.0	1,000	1,000	200	50	2.0	20	50
GHA0177	--	300	N	10.0	1,000	700	300	30	2.0	50	150
LCH0079	--	200	N	10.0	1,500	1,000	200	100	2.0	20	50
MEH0168	--	500	N	15.0	1,500	700	200	100	2.0	20	70
GHA0123	--	150	N	10.0	1,500	1,000	100	70	5.0	20	70
MEH0179	--	150	N	5.0	700	700	150	50	3.0	20	20
GHA0147	--	200	N	7.0	1,500	1,500	200	30	20.0	70	150
MEH0177	--	150	N	5.0	700	700	150	150	15.0	15	50

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
LCHC133	.70	.50	100	70	N	10	500	10	N	.300
MEHC170	2.00	1.50	70	15	N	10	200	N	N	.300
LCHC140	.70	.70	100	70	N	15	300	N	N	.300
GHAC135	.70	.70	150	70	N	20	1,000	N	<20	.500
GHAC150	1.00	1.00	70	30	N	15	300	N	N	.500
GHAC133	1.00	.70	100	150	<100	30	>1,000	N	50	.700
MEHC153	3.00	2.00	70	15	N	10	300	N	N	.300
MEHC172	1.50	1.00	70	50	N	15	700	N	N	.500
LCHC097	7.00	2.00	50	30	N	15	200	N	N	.500
LCHC136	1.00	.70	70	50	N	10	200	N	N	.300
GHAC156	2.00	3.00	50	50	N	20	300	N	N	.500
MEHC164	5.00	2.00	70	70	N	30	>1,000	N	N	1.000
GHAC165	2.00	3.00	70	70	N	20	300	N	<20	.500
GHAC119	3.00	2.00	50	30	N	10	500	N	N	.500
GHAC138	1.00	1.00	150	100	N	20	1,000	N	20	.500
MEHC221	3.00	1.50	70	50	N	15	300	N	N	.500
LCHC116	.50	.70	70	50	N	7	300	N	N	.300
LCHC115	.70	.70	50	30	N	7	300	N	N	.300
MEHC191	3.00	1.00	30	30	N	10	700	N	N	.500
MEHC150	2.00	1.50	50	20	N	10	700	N	N	.500
MEHC180	1.00	.50	70	70	N	7	300	N	N	.300
LCHC124	.10	.20	70	50	N	15	>1,000	N	20	1.000
GHAC168	5.00	1.00	50	30	N	10	300	N	<20	.300
MEHC134	1.00	1.50	30	50	N	15	>1,000	N	N	.700
MEHC217	1.00	1.00	70	30	N	10	500	N	N	.700
LCHC091	1.50	2.00	50	50	N	20	500	N	20	1.000
LCHC094	2.00	3.00	30	50	N	30	300	N	30	>1.000
MEHC183	.50	.70	70	70	N	10	700	N	20	.500
LCHC100	2.00	1.50	70	30	N	15	300	N	N	.500
MEHC206	3.00	2.00	100	70	N	30	>1,000	N	N	1.000
LCHC103	1.50	1.50	70	30	N	10	200	N	N	.500
MEHC160	3.00	2.00	50	50	N	30	700	N	N	1.000
LCHC106	2.00	1.50	50	30	N	10	200	N	N	.300
GHAC154	.20	.70	100	70	N	10	1,000	N	<20	.500
MEHC195	.70	1.50	50	50	N	10	700	N	N	.700
LCHC073	2.00	2.00	70	30	N	10	300	N	N	.700
MEHC151	1.00	1.50	70	30	N	10	1,000	N	N	.700
LCHC076	.70	1.50	70	30	N	10	300	N	N	.500
GHAC177	1.50	1.50	70	30	N	15	500	N	N	.700
LCHC079	.70	1.50	50	30	N	15	500	N	N	.700
MEHC168	1.00	.70	70	70	<100	20	>1,000	N	20	>1.000
GHAC128	.50	1.00	150	70	N	30	1,000	N	20	.700
MEHC179	.30	.50	50	70	N	10	500	N	N	.500
GHAC147	1.00	1.50	70	50	N	20	300	N	N	.700
MEHC177	.50	.70	70	70	N	15	500	N	N	.500

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
GHA0153	31 18 9	111 1 47	100	5	100	150	20	N	N	.08	30
LCH0082	31 9 33	111 15 1	50	10	100	70	15	N	N	.02	10
MEH0154	31 16 41	110 46 52	150	15	50	40	30	N	N	.04	20
LCH0085	31 9 22	111 15 29	30	N	100	50	10	N	N	.02	20
MEH0166	31 7 17	110 40 15	50	N	50	35	20	N	N	<.02	10
LCH0088	31 9 13	111 15 40	20	N	150	110	10	N	N	.04	20
MEH0222	31 0 37	110 35 53	70	N	100	60	20	N	N	.02	10
GHA0174	31 16 29	111 5 13	20	N	50	45	15	N	N	.10	10
GHA0125	31 15 9	111 1 36	30	7	70	70	15	N	N	.06	10
MEH0200	31 18 50	110 52 17	20	N	50	40	20	N	N	.02	10
MEH0175	31 8 24	110 45 38	20	N	50	35	15	N	N	.02	10
GHA0171	31 19 8	110 58 11	20	N	70	65	10	N	N	.04	10
LCH0130	31 8 4	111 7 0	30	N	50	45	5	N	N	.04	10
MEH0186	31 9 49	110 36 3	100	N	70	50	50	N	N	.04	N
LCH0139	31 7 2	111 6 3	30	N	100	110	5	N	N	.30	10
MEH0219	31 2 9	110 37 49	70	N	200	90	30	N	N	.04	10
GHA0110	31 14 41	111 5 25	20	N	30	30	20	N	N	.04	10
GHA0122	31 14 53	111 2 50	20	N	50	35	15	N	N	<.02	<10
MEH0213	31 2 32	110 37 44	50	N	30	30	30	N	N	<.02	20
GHA0162	31 18 26	111 0 13	50	5	150	90	20	N	N	.02	N
GHA0131	31 16 59	110 58 29	30	N	100	90	15	N	N	.04	10
MEH0215	31 2 22	110 36 50	50	N	30	45	30	N	N	.02	10
MEH0141	31 18 27	110 50 37	50	15	50	55	20	N	N	.02	40
LCH0109	31 9 6	111 10 17	20	N	50	40	7	N	N	.06	20
GHA0116	31 15 36	111 5 18	30	N	30	50	15	N	N	.12	10
GHA0141	31 17 36	111 2 27	30	10	300	300	5	N	N	.10	<10
LCH0127	31 8 0	111 6 48	30	N	30	35	10	N	N	.04	N
GHA0113	31 14 56	111 5 10	50	N	30	40	20	N	N	.10	30
MEH0182	31 6 28	110 43 29	20	N	30	15	10	N	N	<.02	N
RLT0063	31 6 27	111 15 4	50	7	700	130	15	N	N	.04	<10
JGF0186	31 17 48	110 34 4	50	N	30	25	20	N	N	.02	<10
JGF0168	31 10 54	110 36 18	30	N	200	60	10	N	N	.04	10
JGF0121	31 18 40	110 39 38	150	N	100	40	30	N	N	.02	N
RLT0069	31 7 5	111 15 27	30	7	300	210	10	N	N	.04	10
JGF0146	31 16 47	110 36 33	20	N	50	15	5	N	N	.04	N
JGF0119	31 18 27	110 37 58	30	N	50	25	10	N	N	.02	N
RLT0093	31 10 4	111 12 27	50	10	200	100	10	N	N	.02	10
JGF0174	31 18 29	110 28 13	50	N	30	25	20	N	N	.02	10
JGF0124	31 18 49	110 39 51	1,000	10	50	110	50	N	.15	.06	10
JGF0184	31 17 48	110 32 31	100	N	50	35	50	N	N	.02	20
JGF0115	31 18 31	110 36 42	1,500	10	1,000	2,200	30	5.0	N	.06	10
JGF0182	31 18 31	110 31 34	100	N	50	45	20	N	N	.06	20
JGF0173	31 18 39	110 28 7	70	15	30	30	30	N	N	.04	10
MEH0145	31 15 22	110 49 25	30	N	70	45	20	N	N	.04	20
JGF0180	31 19 3	110 30 10	30	N	30	30	15	N	N	.04	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GHA0153	--	100	N	5.0	2,000	700	150	50	20.0	70	70
LCH0082	--	200	N	7.0	1,500	1,000	300	100	15.0	30	50
MEH0154	--	300	50	10.0	1,500	700	500	15	30.0	20	30
LCH0085	--	100	N	5.0	700	1,000	300	70	10.0	15	20
MEH0166	--	500	N	10.0	1,500	700	300	50	20.0	20	70
LCH0088	--	70	N	5.0	1,000	1,000	150	70	10.0	15	20
MEH0222	--	300	N	10.0	1,500	500	300	100	20.0	15	50
GHA0174	--	100	N	5.0	1,000	700	300	50	15.0	50	50
GHA0125	--	200	N	10.0	1,000	700	100	70	15.0	20	30
MEH0200	--	200	N	7.0	1,000	700	500	20	20.0	50	100
MEH0175	--	200	N	7.0	1,500	500	200	20	15.0	20	50
GHA0171	--	70	N	5.0	1,000	700	100	50	10.0	10	20
LCH0130	--	50	N	3.0	1,000	700	N	30	5.0	10	10
MEH0136	--	500	N	15.0	1,500	500	300	50	50.0	30	150
LCH0139	--	50	N	3.0	3,000	1,000	150	70	5.0	15	10
MEH0219	--	200	N	7.0	1,000	700	300	150	30.0	20	70
GHA0110	--	200	N	7.0	1,000	700	200	50	20.0	15	70
GHA0122	--	200	N	5.0	700	500	200	30	15.0	20	50
MEH0213	--	500	N	20.0	2,000	700	200	30	30.0	20	150
GHA0162	--	200	N	7.0	1,500	700	150	50	20.0	70	200
GHA0131	--	150	N	7.0	1,500	1,000	100	30	15.0	50	70
MEH0215	--	200	N	7.0	1,500	700	500	50	3.0	20	30
MEH0141	--	300	N	10.0	1,500	1,000	500	70	3.0	30	70
LCH0109	--	100	N	5.0	1,500	1,000	150	50	2.0	10	20
GHA0116	--	100	N	5.0	700	700	300	50	2.0	30	50
GHA0141	--	50	N	5.0	3,000	1,000	100	50	3.0	15	30
LCH0127	--	50	N	5.0	1,500	700	N	150	3.0	10	10
GHA0113	--	200	N	7.0	1,500	1,000	500	20	2.0	100	150
MEH0162	--	150	N	7.0	1,000	700	200	50	3.0	15	30
RLT0063	--	300	N	10.0	2,000	1,000	300	100	2.0	20	30
JGF0186	--	300	N	7.0	1,000	700	200	20	1.0	20	50
JGF0168	--	300	N	10.0	2,000	1,500	150	50	3.0	20	50
JGF0121	--	500	N	15.0	1,500	700	150	15	3.0	30	150
RLT0069	--	100	N	5.0	2,000	1,000	150	70	3.0	15	10
JGF0146	--	100	N	5.0	1,000	500	100	20	2.0	15	10
JGF0119	--	150	N	5.0	1,000	500	150	20	3.0	15	15
RLT0093	--	100	N	7.0	2,000	1,000	150	200	3.0	10	20
JGF0174	--	300	N	7.0	1,000	700	500	30	1.5	30	70
JGF0124	--	500	N	20.0	1,500	700	300	15	3.0	30	150
JGF0184	--	300	N	10.0	1,500	1,000	300	50	3.0	50	100
JGF0115	--	300	50	10.0	2,000	700	300	30	2.0	15	70
JGF0182	--	200	N	7.0	1,000	700	300	30	2.0	50	70
JGF0173	--	300	N	10.0	1,500	1,000	1,000	20	2.0	70	150
JGF0145	--	200	N	7.0	1,000	1,000	700	15	2.0	50	70
JGF0180	--	200	N	7.0	1,000	500	200	20	1.0	15	50

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0153	.70	1.50	100	70	N	15	300	N	N	.500
LCH0082	.70	1.00	50	30	N	15	500	N	N	.700
MEH0154	3.00	1.50	70	50	<100	20	1,000	N	N	1.000
LCH0085	.70	1.00	70	30	N	15	300	N	N	.300
MEH0166	2.00	1.50	100	70	N	20	>1,000	N	N	>1.000
LCH0088	.50	.70	70	50	N	10	500	N	N	.500
MEH0222	1.50	1.00	70	50	N	20	>1,000	N	N	1.000
GHA0174	1.50	1.50	70	30	N	10	300	N	N	.500
GHA0125	.50	1.00	100	70	N	20	1,000	N	20	.700
MEH0200	1.00	1.00	50	20	N	15	1,000	N	N	.500
MEH0175	.70	1.00	70	200	100	20	>1,000	N	30	.500
GHA0171	.15	.50	70	50	N	10	1,000	N	<20	.300
LCH0130	.10	.30	50	50	N	7	300	N	N	.200
MEH0186	2.00	2.00	50	50	N	30	1,000	N	N	.700
LCH0139	.70	.50	50	20	N	5	200	N	N	.300
MEH0219	1.50	1.50	30	30	N	20	700	N	N	.500
GHA0110	2.00	1.00	50	30	N	15	1,000	N	N	.700
GHA0122	1.00	1.00	20	50	N	10	300	N	N	.500
MEH0213	1.50	1.00	100	70	N	15	>1,000	N	N	1.000
GHA0162	.70	1.50	70	70	N	20	300	N	20	.500
GHA0131	.30	1.00	70	70	N	20	500	N	N	.500
MEH0215	3.00	2.00	70	50	N	30	500	N	N	.700
MEH0141	3.00	1.50	100	70	N	20	700	N	<20	.700
LCH0109	.20	.50	50	50	N	10	500	N	<20	.500
GHA0116	2.00	1.50	50	30	N	10	300	N	N	.300
GHA0141	.30	.70	70	50	N	10	500	N	N	.300
LCH0127	.20	.30	50	70	N	7	300	N	N	.300
GHA0113	3.00	2.00	50	20	N	20	300	N	N	.700
MEH0182	.70	.50	50	100	100	10	>1,000	N	<20	.500
RLT0063	2.00	1.50	50	70	N	20	300	N	N	.500
JGF0186	1.00	1.00	30	50	N	15	500	N	N	1.000
JGF0168	.50	1.00	30	50	N	15	>1,000	N	N	1.000
JGF0121	1.50	2.00	70	70	N	20	1,000	N	N	1.000
RLT0069	.70	1.00	50	50	N	10	500	N	<20	.500
JGF0146	.30	.50	50	50	N	7	700	N	20	.500
JGF0119	.70	.70	50	50	N	10	500	N	N	.500
RLT0093	.30	1.00	50	50	N	10	>1,000	N	N	.500
JGF0174	1.50	1.50	70	30	N	15	500	N	N	1.000
JGF0124	1.50	1.50	70	70	N	20	700	N	N	.700
JGF0184	2.00	2.00	50	50	N	20	300	N	<20	1.000
JGF0115	5.00	1.50	70	70	N	15	500	N	<20	.700
JGF0182	2.00	1.50	50	30	N	15	700	N	N	.700
JGF0173	3.00	2.00	70	30	N	20	700	N	N	1.000
MEH0145	1.50	1.50	70	50	N	15	300	N	N	.700
JGF0180	1.50	1.00	30	30	N	15	500	N	N	1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
JGF0165	31 11 27	110 36 8	15	N	100	50	10	N	N	.02	10
RLT0060	31 6 26	111 15 17	100	10	2,000	300	15	.5	N	.02	10
JGF0137	31 18 59	110 39 34	200	7	70	80	30	N	N	.08	20
RLT0084	31 9 50	111 14 23	70	10	1,000	220	10	.5	N	.12	30
JGF0150	31 15 30	110 36 23	20	N	50	30	10	N	N	.04	10
LCM0070	31 10 24	111 12 27	30	N	50	40	10	N	N	.02	10
JGF0152	31 15 1	110 38 19	30	N	70	50	15	N	N	.06	20
JGF0144	31 17 13	110 36 32	30	N	70	20	15	N	N	.02	10
JGF0127	31 18 40	110 39 57	500	10	70	90	50	N	N	.08	10
JGF0163	31 11 57	110 35 42	30	N	150	50	15	N	N	.02	20
JGF0142	31 17 18	110 37 43	30	N	100	25	10	N	N	.02	10
JGF0188	31 18 9	110 35 33	20	N	30	20	10	N	N	.04	20
JGF0154	31 15 10	110 38 21	30	N	70	55	15	N	N	.04	10
RLT0078	31 9 6	111 15 13	30	7	500	640	10	.5	N	.12	30
JGF0158	31 13 14	110 36 1	30	5	150	40	10	N	N	.04	10
RLT0072	31 7 50	111 15 48	50	5	500	180	15	.7	N	.04	10
JGF0178	31 18 46	110 28 58	50	7	50	35	20	N	N	.02	20
JGF0190	31 16 29	110 33 17	150	N	70	35	50	N	N	.06	10
JGF0134	31 18 51	110 40 18	500	10	70	100	30	N	N	.06	10
JGF0160	31 12 29	110 35 28	30	7	150	45	15	3.0	N	.04	30
JGF0156	31 14 10	110 35 48	20	N	50	45	10	N	N	.04	20
JGF0139	31 17 25	110 37 33	30	N	50	10	15	N	N	.04	<10
RLT0090	31 10 2	111 13 3	30	10	300	130	10	N	N	.08	20
ELM0132	31 1 45	110 55 37	30	N	300	35	N	N	N	.16	20
ELM0133	30 55 50	110 53 0	15	N	50	25	7	N	N	.06	10
ELM0115	31 8 29	110 59 57	30	5	150	100	10	N	N	.10	30
ELM0105	31 5 16	110 54 27	50	15	70	35	15	N	N	.04	10
ELM0119	31 7 25	110 54 9	20	7	70	45	15	N	.05	.04	10
ELM0131	31 1 31	110 55 44	20	10	100	25	10	N	N	.06	20
ELM0111	31 10 0	111 2 47	30	5	100	65	10	N	N	.06	20
ELM0109	31 6 7	110 56 44	15	N	70	60	5	N	N	.06	20
JGF0203	31 13 50	110 32 58	30	N	50	25	20	N	N	.04	20
JGF0200	31 14 51	110 35 19	150	N	50	35	100	N	N	.04	10
JGF0197	31 12 7	110 35 6	70	15	50	30	30	N	N	.02	10
JGF0194	31 11 20	110 35 24	70	N	50	30	30	N	N	.04	10
ELM0126	31 2 56	110 54 34	15	N	70	15	7	N	N	.02	20
ELM0130	30 58 59	110 53 35	30	N	70	35	15	N	N	.06	10
GHA0159	31 18 51	111 0 55	200	30	150	90	15	1.0	N	.02	40
ELM0100	31 4 40	110 51 54	30	20	100	55	5	N	N	.02	20
JGF0192	31 10 25	110 35 51	70	N	50	15	30	N	N	.04	10
ELM0123	31 8 6	110 54 24	50	N	70	45	15	N	N	.04	10
ELM0114	31 11 17	111 0 3	30	10	200	50	15	N	N	.10	20
JGF0205	31 14 4	110 33 3	70	N	30	45	50	N	N	.04	10
ELM0103	31 2 6	110 53 18	30	5	70	40	7	N	N	.02	10
ELM0113	31 11 30	110 59 53	30	5	50	40	20	N	N	<.02	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
JGF0165	--	150	N	5.0	1,500	700	150	20	2.0	10	30
RLT0060	--	200	N	5.0	5,000	1,500	200	20	3.0	20	50
JGF0137	--	300	N	10.0	1,500	700	500	10	2.0	20	50
RLT0084	--	70	N	5.0	5,000	1,000	200	70	5.0	10	15
JGF0150	--	150	N	7.0	700	700	200	30	1.0	15	50
LCH0070	--	150	N	5.0	1,000	700	500	30	1.5	15	30
JGF0152	--	150	N	5.0	1,000	700	300	30	2.0	30	50
JGF0144	--	150	N	5.0	1,000	500	150	20	2.0	15	20
JGF0127	--	700	N	20.0	1,500	500	150	10	2.0	30	150
JGF0163	--	150	N	5.0	2,000	1,500	300	30	2.0	20	50
JGF0142	--	150	N	7.0	1,000	500	100	20	2.0	10	20
JGF0188	--	150	N	5.0	700	700	150	20	1.0	15	20
JGF0154	--	200	N	7.0	1,000	700	200	20	2.0	20	30
RLT0078	--	100	N	5.0	2,000	1,000	150	30	5.0	15	15
JGF0158	--	150	N	7.0	1,500	700	300	30	2.0	20	50
RLT0072	--	150	N	7.0	3,000	1,000	200	70	5.0	20	50
JGF0178	--	300	N	10.0	1,500	700	300	20	1.5	20	50
JGF0190	--	300	N	10.0	700	1,000	1,000	20	3.0	70	150
JGF0134	--	300	N	15.0	1,000	500	300	10	2.0	50	70
JGF0160	--	150	N	7.0	1,500	700	200	50	2.0	20	50
JGF0156	--	150	N	5.0	700	700	200	30	2.0	15	50
JGF0139	--	300	N	7.0	1,000	500	200	10	1.5	10	50
RLT0090	--	100	N	7.0	3,000	1,500	150	50	2.0	15	20
ELM0132	--	70	N	3.0	1,500	1,500	100	30	2.0	10	15
ELM0133	--	100	N	5.0	700	1,000	150	70	1.5	10	20
ELM0115	--	100	N	5.0	1,500	1,500	150	50	2.0	10	20
ELM0105	--	200	N	10.0	1,000	500	100	100	3.0	10	30
ELM0119	--	200	N	15.0	1,000	700	100	50	3.0	7	10
ELM0131	--	70	N	5.0	1,000	1,000	100	30	2.0	15	20
ELM0111	--	100	N	7.0	2,000	1,500	100	150	3.0	10	15
ELM0109	--	70	N	5.0	1,500	1,500	150	50	2.0	10	10
JGF0203	--	300	N	7.0	1,500	700	700	15	2.0	30	70
JGF0200	--	1,000	N	>20.0	2,000	700	700	10	1.0	100	500
JGF0197	--	300	N	10.0	1,000	1,000	1,000	20	2.0	50	100
JGF0194	--	300	N	10.0	1,000	1,500	1,000	20	1.5	20	70
ELM0126	--	150	N	5.0	1,000	1,500	150	50	2.0	10	200
ELM0130	--	150	N	5.0	700	1,000	150	50	2.0	20	50
GHA0159	--	200	N	7.0	1,000	1,000	200	50	2.0	20	70
ELM0100	--	150	N	10.0	1,500	700	100	300	3.0	10	20
JGF0192	--	700	N	20.0	2,000	700	300	30	2.0	20	200
ELM0123	--	300	N	15.0	1,000	700	150	50	3.0	15	50
ELM0114	--	200	N	10.0	1,500	1,000	200	70	2.0	20	50
JGF0205	--	300	N	10.0	1,500	700	700	20	1.5	100	70
ELM0103	--	70	N	5.0	1,500	500	100	300	3.0	10	15
ELM0113	--	300	N	10.0	1,000	700	200	50	2.0	30	150

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0165	.20	.70	30	20	N	10	>1,000	N	N	.500
RLT0060	1.50	1.50	70	50	N	15	300	N	N	.500
JGF0137	2.00	2.00	100	70	N	20	500	N	<20	>1.000
RLT0084	.20	.70	70	50	N	10	500	N	N	.300
JGF0150	1.00	1.00	30	30	N	15	500	N	N	.700
LCH0070	2.00	2.00	50	20	N	10	200	N	N	.500
JGF0152	1.00	1.50	50	30	N	15	300	N	N	.700
JGF0144	.70	.70	70	50	N	10	300	N	N	.500
JGF0127	1.00	1.50	50	50	N	15	700	N	N	1.000
JGF0163	.70	1.50	70	30	N	10	300	N	N	.500
JGF0142	.50	.50	50	50	N	15	500	N	20	.700
JGF0188	1.00	1.00	30	30	N	10	300	N	N	.700
JGF0154	1.50	1.50	50	50	N	20	300	N	N	.700
PLT0078	.30	1.00	100	70	N	15	500	N	N	.500
JGF0158	.50	1.00	50	30	N	15	500	N	N	.700
RLT0072	1.00	1.50	70	50	N	15	300	N	N	.500
JGF0178	5.00	1.50	50	50	N	15	300	N	N	1.000
JGF0190	2.00	1.50	70	20	N	15	300	N	N	1.000
JGF0134	2.00	2.00	100	50	N	20	300	N	N	1.000
JGF0160	.30	1.50	50	30	N	10	300	N	N	.500
JGF0156	.70	1.00	30	30	N	15	300	N	N	.500
JGF0139	.70	.50	50	50	N	10	700	N	<20	.700
RLT0090	.30	1.00	70	70	N	15	500	N	N	.300
ELM0132	.10	.50	70	50	N	10	300	N	N	.300
ELM0133	.30	.70	70	50	N	10	700	N	N	.300
ELM0115	.20	.70	70	50	N	10	300	N	N	.300
ELM0105	.30	.50	50	70	N	15	>1,000	N	20	.500
ELM0119	.50	.70	100	100	N	20	1,000	20	30	.700
ELM0131	.15	.50	50	50	N	10	300	<10	N	.300
ELM0111	.15	.70	70	50	N	10	300	N	N	.300
ELM0109	.20	.30	50	20	N	7	300	N	N	.300
JGF0203	1.00	1.50	30	30	N	15	300	N	N	.500
JGF0200	2.00	2.00	30	20	N	20	500	N	N	>1.000
JGF0197	2.00	2.00	50	30	N	20	500	N	N	.700
JGF0194	2.00	2.00	100	30	N	15	500	N	N	.700
ELM0126	.20	.70	70	50	N	15	700	N	<20	.500
ELM0130	.30	1.00	50	50	N	15	300	N	N	.300
GRA0159	.30	1.00	70	50	N	15	300	N	<20	.700
ELM0100	.50	.70	100	100	N	15	500	15	20	.500
JGF0192	1.00	1.00	50	50	<100	20	1,000	N	30	>1.000
ELM0123	.70	1.00	100	100	100	20	>1,000	N	20	.700
ELM0114	.30	1.00	70	50	N	15	700	N	<20	.700
JGF0205	2.00	1.50	50	30	N	20	300	N	N	.700
ELM0103	.20	.50	50	70	N	15	500	N	<20	.300
ELM0113	1.00	1.50	50	50	N	20	700	N	20	.700

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
ELM0106	31 6 40	110 55 1	30	N	70	50	20	N	N	<.02	10
ELM0110	31 7 37	110 56 15	30	N	70	55	10	N	N	.04	10
ELM0117	31 7 15	110 58 18	20	5	100	70	10	N	N	.06	10
ELM0097	31 4 46	110 52 7	50	N	50	35	20	N	N	.04	10
ELM0124	31 7 57	110 54 37	30	10	100	70	15	N	N	.04	20
ELM0108	31 5 47	110 57 7	20	N	150	55	10	N	N	.04	20
ELM0102	31 0 54	110 53 21	20	N	50	25	10	N	N	.02	30
ELM0126	30 59 20	110 53 41	15	N	50	15	7	N	N	.14	10
ELM0116	31 9 14	110 59 26	20	7	150	50	10	N	N	.06	20
ELM0095	31 6 20	110 54 18	30	10	100	60	15	N	N	.04	10
ELM0149	30 56 17	110 51 7	20	N	100	40	7	N	<.05	.14	10
ELM0147	30 57 27	110 51 36	20	5	70	30	10	N	N	.04	40
ELM0143	31 0 9	110 53 5	30	10	100	65	10	N	N	.06	20
ELM0135	30 54 54	110 49 45	20	N	70	35	10	N	N	.08	10
ELM0151	30 58 23	110 52 13	20	7	70	20	15	N	N	.04	40
ELM0145	30 59 10	110 52 28	20	N	50	25	10	N	N	.04	30
ELM0138	30 54 36	110 52 50	15	N	50	25	7	N	N	.04	10
ELM0093	31 10 36	110 56 57	50	10	70	70	20	N	N	.04	20
ELM0121	31 7 19	110 53 41	30	N	70	65	15	N	N	.06	20
ELM0141	30 54 52	110 51 7	20	N	50	25	10	N	N	.02	10
MEH0238	30 55 25	110 58 17	20	N	50	25	10	N	N	.02	20
GHA0186	31 12 58	111 9 31	50	5	70	50	20	N	N	.20	10
ELM0176	31 10 41	110 58 24	50	N	50	45	10	N	N	.04	10
MEH0252	30 56 56	110 59 18	20	5	50	30	10	N	N	.04	10
GHA0180	31 10 41	111 10 40	70	5	150	45	15	N	N	.04	20
JGF0219	31 11 56	111 0 7	20	N	50	40	15	N	N	.04	<10
JGF0208	31 15 6	110 57 30	30	N	70	65	15	N	.05	.04	10
MEH0241	30 54 34	110 57 32	20	N	50	25	10	N	N	.02	10
JGF0210	31 13 54	110 58 22	30	5	70	55	10	N	N	.04	30
MEH0246	30 54 30	110 58 4	20	N	20	40	5	N	N	.02	N
JGF0227	31 11 3	111 1 42	20	N	200	70	7	.5	N	.04	60
MEH0254	30 57 8	110 59 31	20	N	70	35	15	N	N	.02	<10
ELM0155	31 18 25	110 50 37	50	N	50	55	30	N	N	.06	80
GHA0196	31 12 14	111 8 48	30	N	100	75	20	N	N	.04	20
JGF0225	31 13 0	111 1 22	30	N	50	55	15	N	N	.06	10
ELM0170	31 12 36	110 58 3	50	N	70	95	15	N	N	.04	20
MEH0262	30 58 49	111 0 11	20	10	50	30	5	N	N	.04	<10
ELM0161	31 15 18	110 56 20	20	N	70	40	15	N	N	.04	10
MEH0248	30 56 28	110 59 44	15	N	30	30	10	N	N	.02	10
JGF0212	31 13 37	110 58 20	20	N	50	60	10	N	N	.02	20
JGF0215	31 10 51	110 58 39	30	N	70	50	15	N	N	.02	20
GHA0199	31 13 11	111 8 1	50	N	70	45	30	N	.80	.04	20
MEH0244	30 54 26	110 57 12	10	N	30	35	5	N	N	.02	10
GHA0183	31 11 42	111 9 19	20	5	70	45	15	N	N	.16	30
ELM0156	31 18 38	110 52 20	50	N	30	55	50	N	N	.06	N

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
ELMO106	--	500	N	20.0	2,000	700	150	30	3.0	15	50
ELMO110	--	200	N	10.0	1,500	1,000	200	50	3.0	15	30
ELMO117	--	150	N	7.0	1,500	700	100	50	2.0	10	20
ELMO097	--	700	N	>20.0	2,000	500	100	50	3.0	10	150
ELMO124	--	300	N	15.0	1,500	700	150	50	3.0	15	20
ELMO108	--	150	N	5.0	1,500	1,000	150	50	3.0	10	15
ELMO102	--	150	N	10.0	1,500	700	150	200	2.0	10	20
ELMO123	--	50	N	5.0	1,000	700	100	50	3.0	7	10
ELMO116	--	100	N	7.0	1,500	1,500	100	100	2.0	10	20
ELMO095	--	200	N	15.0	1,500	700	100	70	5.0	10	50
ELMO149	--	100	N	7.0	1,000	700	100	100	2.0	7	15
ELMO147	--	150	N	10.0	1,500	700	100	100	2.0	10	20
ELMO143	--	70	N	5.0	2,000	700	100	200	2.0	10	10
ELMO135	--	100	N	7.0	1,500	1,000	150	100	2.0	10	20
ELMO151	--	150	N	10.0	1,500	700	100	100	2.0	10	20
ELMO145	--	100	N	7.0	1,000	700	100	70	2.0	10	30
ELMO138	--	100	N	7.0	1,500	700	150	100	2.0	10	15
ELMO093	--	200	N	15.0	2,000	1,000	150	300	3.0	15	30
ELMO121	--	200	N	10.0	1,500	700	100	50	5.0	5	10
ELMO141	--	150	N	5.0	1,000	700	150	100	2.0	15	30
MEHO238	--	150	N	7.0	1,000	700	150	70	2.0	15	30
GHAO186	--	150	N	7.0	1,000	1,500	300	50	3.0	30	70
ELMO176	--	150	N	10.0	1,500	1,000	150	100	5.0	15	20
MEHO252	--	100	N	5.0	1,000	1,000	200	100	3.0	20	15
GHAO180	--	100	N	5.0	1,500	700	150	50	3.0	15	30
JGFO219	--	150	N	7.0	1,000	1,000	150	30	3.0	20	50
JGFO208	--	200	N	10.0	1,500	1,000	150	50	3.0	20	50
MEHO241	--	200	N	10.0	1,000	700	150	50	2.0	10	30
JGFO210	--	100	N	7.0	1,500	1,000	150	500	3.0	15	20
MEHO246	--	70	N	3.0	1,000	700	150	150	2.0	15	20
JGFO227	--	70	N	5.0	1,500	1,000	100	70	3.0	10	10
MEHO254	--	100	N	7.0	1,000	1,000	150	100	3.0	15	20
ELMO153	--	300	N	20.0	1,500	700	300	30	3.0	50	150
GHAO196	--	150	N	7.0	1,500	1,000	150	70	3.0	20	20
JGFO225	--	100	N	5.0	700	700	200	50	3.0	30	30
ELMO170	--	100	N	7.0	1,500	700	150	300	3.0	50	100
MEHO262	--	70	N	5.0	1,000	1,000	100	100	2.0	10	15
ELMO161	--	100	N	5.0	1,000	1,000	300	200	3.0	30	50
MEHO248	--	70	N	5.0	700	1,000	150	300	3.0	10	N
JGFO212	--	150	N	10.0	1,000	1,000	150	50	3.0	10	50
JGFO215	--	150	N	10.0	1,000	1,000	150	500	3.0	15	70
GHAO199	--	300	N	15.0	1,500	700	200	30	1.5	30	150
MEHO244	--	100	N	3.0	500	700	200	50	2.0	15	15
GHAO183	--	100	N	3.0	1,500	1,000	150	50	2.0	20	50
ELMO156	--	500	N	20.0	1,500	500	300	10	1.5	70	150

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
ELM0106	.50	.70	100	100	150	20	>1,000	N	20	.700
ELM0110	.70	.70	70	70	100	20	>1,000	N	30	.700
ELM0117	.15	.50	50	50	N	15	700	N	20	.700
ELM0097	1.00	.70	150	200	300	20	>1,000	N	50	>1.000
ELM0124	.50	1.00	100	150	200	20	>1,000	10	<20	.700
ELM0108	.20	.70	50	30	N	10	300	N	<20	.500
ELM0102	.50	.70	70	50	N	15	1,000	N	N	.700
ELM0128	.30	.50	70	50	N	10	500	N	N	.300
ELM0116	.20	.50	70	50	N	15	700	N	<20	.700
ELM0095	.70	.70	100	200	150	30	>1,000	15	30	.700
ELM0149	.30	.70	50	50	N	10	700	N	N	.500
ELM0147	.20	.70	50	50	N	15	1,000	N	20	.700
ELM0143	.30	1.00	70	70	N	15	500	N	<20	.500
ELM0135	.70	.70	50	50	N	15	500	N	N	.500
ELM0151	.20	.70	100	70	N	15	1,000	N	20	.700
ELM0145	.20	.70	50	50	N	10	1,000	N	<20	.500
ELM0138	.70	.70	100	70	N	10	500	N	N	.500
ELM0093	.30	1.00	100	100	<100	15	>1,000	15	<20	.500
ELM0121	.70	1.00	100	150	<100	30	>1,000	N	20	.700
ELM0141	.30	1.00	30	30	N	15	300	N	N	.500
MEH0238	1.00	.70	30	30	N	10	300	N	N	.300
GHA0186	2.00	2.00	50	50	N	15	300	N	N	.500
ELM0176	.50	1.00	70	70	N	15	700	20	<20	.500
MEH0252	1.50	1.00	100	30	N	10	300	N	N	.300
GHA0180	1.00	1.50	50	50	N	10	500	N	N	.500
JGF0219	.50	1.00	70	70	N	15	700	N	N	.500
JGF0208	.30	.70	50	70	<100	15	>1,000	N	<20	.700
MEH0241	.70	.70	100	70	100	10	700	N	<20	.500
JGF0210	.20	.70	50	50	N	10	1,000	N	N	.500
MEH0246	1.00	1.00	30	30	N	10	300	N	N	.200
JGF0227	.15	.50	50	30	N	10	500	N	<20	.300
MEH0254	1.00	1.00	50	50	N	15	300	N	N	.500
ELM0153	1.50	1.50	100	50	N	15	>1,000	N	N	1.000
GHA0196	1.00	1.50	50	30	N	15	500	N	<20	.500
JGF0225	1.00	1.00	50	70	N	15	300	N	N	.500
ELM0170	.50	1.50	70	70	N	15	500	N	N	.500
MEH0262	.20	.70	50	50	N	7	300	N	N	.300
ELM0161	.70	1.00	70	20	N	7	300	N	N	.300
MEH0248	.70	.70	100	30	N	10	300	N	N	.500
JGF0212	.20	.50	50	50	N	10	>1,000	N	20	.500
JGF0215	.30	.70	70	70	N	15	1,000	N	<20	.700
GHA0199	1.00	1.00	50	50	N	15	700	N	<20	>1.000
MEH0244	1.00	.70	30	70	N	10	200	N	N	.300
GHA0183	1.00	1.00	50	20	N	7	300	100	N	.300
ELM0156	1.00	.70	100	20	N	10	300	500	N	>1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
GHA0202	31 12 35	111 7 34	50	N	100	35	30	N	N	.14	20
GHA0193	31 12 33	111 8 50	30	N	70	45	20	N	N	.02	40
ELM0183	31 10 42	111 15 3	30	10	70	50	10	N	<.05	.10	10
MEH0224	30 52 46	110 56 20	10	N	30	40	7	N	N	.02	10
MEH0235	30 55 16	110 58 52	15	5	30	40	10	N	N	.02	N
MEH0229	30 51 0	110 54 33	15	N	50	30	10	N	N	.02	10
ELM0164	31 15 8	110 56 46	20	7	50	40	20	N	N	.10	10
JGF0221	31 13 59	111 0 2	20	N	50	55	15	N	N	.02	10
GHA0192	31 12 50	111 9 41	20	5	200	210	15	N	N	.14	80
JGF0217	31 11 15	110 59 5	50	N	70	45	20	N	N	.04	10
GHA0189	31 13 1	111 9 21	30	N	150	45	15	N	N	.18	20
ELM0173	31 12 29	110 58 1	50	7	70	60	15	N	N	.06	10
JGF0229	31 11 15	111 1 41	50	10	150	100	10	N	N	.12	40
MEH0257	30 57 40	111 0 32	70	N	70	100	15	N	N	.04	30
ELM0159	31 18 36	110 53 3	30	N	50	55	30	N	N	.08	30
GHA0205	31 12 17	111 7 34	50	N	150	65	10	N	N	.10	30
ELM0178	31 11 51	111 12 34	30	20	200	110	20	N	N	.08	40
ELM0167	31 13 50	110 57 58	30	N	70	75	15	N	N	.08	40
MEH0232	30 51 10	110 54 29	20	N	50	50	10	N	N	.06	10
GHA0208	31 11 35	111 6 2	100	N	150	100	10	N	N	.10	10
GHA0211	31 11 21	111 6 7	50	N	200	60	10	N	N	.06	20
GHA0223	31 14 59	111 7 38	30	N	100	65	15	N	N	.22	10
GHA0220	31 15 14	111 7 33	70	N	150	250	20	N	N	.20	40
GHA0232	31 17 24	111 8 56	30	N	70	70	15	N	N	.16	30
JGF0233	31 10 2	111 2 5	50	N	150	65	10	N	N	.06	30
JGF0231	31 10 39	110 59 51	50	5	150	65	10	N	N	.06	20
ELM0185	31 4 48	111 4 24	50	N	100	55	10	N	N	.06	10
RLT0114	31 4 50	111 4 45	150	10	150	85	15	N	N	.10	20
LCH0152	31 7 42	111 7 22	30	N	100	70	5	N	N	.04	30
RLT0111	31 4 34	111 4 2	50	N	100	60	10	N	N	.04	20
RLT0108	31 4 41	111 4 2	30	N	100	50	7	N	N	.06	30
RLT0099	31 6 2	111 5 11	30	N	150	50	10	N	N	.04	20
RLT0117	31 6 22	111 5 49	50	N	150	110	10	N	N	.10	30
RLT0126	31 3 55	111 5 12	70	10	100	60	10	N	N	.06	20
LCH0155	31 7 24	111 6 45	30	N	100	50	10	N	N	.06	20
RLT0129	31 4 11	111 5 34	50	20	70	50	10	N	N	.02	10
RLT0123	31 4 0	111 5 28	70	5	100	50	7	N	N	.04	10
RLT0120	31 6 36	111 6 4	70	N	150	85	10	N	N	.06	20
RLT0102	31 5 22	111 4 54	50	N	150	50	10	N	N	.04	20
LCH0158	31 7 0	111 6 23	50	7	100	75	10	N	N	.10	10
LCH0149	31 7 57	111 8 6	30	30	150	220	20	N	N	.06	160
LCH0146	31 8 4	111 8 27	30	10	150	85	5	N	N	.04	30
GHA0235	31 17 32	111 9 7	30	N	50	50	15	N	N	.14	40
JGF0237	31 10 12	111 3 59	30	5	70	70	20	N	N	.06	20
JGF0236	31 10 18	111 3 47	30	N	150	70	5	N	N	.06	30

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GHA0202	--	100	N	20.0	1,000	700	200	20	2.0	50	150
GHA0193	--	500	N	7.0	1,500	700	200	50	1.5	20	100
ELM0183	--	700	N	5.0	700	700	150	100	1.5	20	20
MEH0224	--	200	N	3.0	700	700	100	50	2.0	10	<10
MEH0235	--	100	N	10.0	700	700	150	300	2.0	70	10
MEH0229	--	70	N	5.0	1,000	1,000	150	50	2.0	70	<10
ELM0164	--	150	N	10.0	1,000	1,000	300	300	2.0	30	50
JGF0221	--	100	N	10.0	1,000	1,000	150	20	3.0	15	20
GHA0192	--	200	N	7.0	2,000	1,000	100	50	3.0	15	30
JGF0217	--	150	N	10.0	1,500	1,000	200	50	5.0	30	150
GHA0189	--	150	N	5.0	1,500	700	200	50	3.0	15	20
ELM0173	--	300	N	10.0	1,500	700	100	100	2.0	10	15
JGF0229	--	150	N	5.0	2,000	700	100	70	3.0	15	30
MEH0257	--	200	N	7.0	1,000	1,000	150	300	3.0	5	<10
ELM0159	--	150	N	15.0	1,500	500	300	30	2.0	50	100
GHA0205	--	100	N	5.0	1,500	1,000	100	50	3.0	10	15
ELM0178	--	300	N	7.0	2,000	1,500	150	70	2.0	20	20
ELM0167	--	70	N	10.0	1,500	1,000	150	700	3.0	15	30
MEH0232	--	150	N	5.0	700	1,000	200	100	3.0	10	20
GHA0208	--	150	N	5.0	1,500	1,500	100	50	5.0	10	15
GHA0211	--	100	N	7.0	3,000	1,500	100	150	2.0	7	15
GHA0223	--	70	N	5.0	1,500	1,000	100	100	3.0	20	30
GHA0220	--	300	N	10.0	2,000	1,500	150	70	3.0	15	100
GHA0232	--	200	N	10.0	1,000	1,000	150	70	3.0	10	20
JGF0233	--	50	N	5.0	2,000	1,500	N	100	3.0	10	15
JGF0231	--	100	N	7.0	2,000	1,500	100	100	3.0	10	20
ELM0185	--	100	N	5.0	2,000	1,000	200	100	3.0	15	20
RLT0114	--	70	N	5.0	3,000	1,000	150	200	3.0	150	50
LCH0152	--	70	N	5.0	1,500	1,000	100	100	3.0	10	15
RLT0111	--	100	N	7.0	2,000	1,000	150	100	3.0	15	30
RLT0108	--	100	N	7.0	1,500	1,000	150	200	2.0	15	20
RLT0099	--	150	N	7.0	1,000	700	100	200	3.0	7	30
RLT0117	--	100	N	5.0	1,500	700	100	100	3.0	15	30
RLT0126	--	70	N	3.0	1,500	700	100	100	3.0	10	15
LCH0155	--	70	N	5.0	1,500	1,500	100	100	3.0	15	15
RLT0129	--	70	N	5.0	1,500	1,000	100	150	3.0	10	10
RLT0123	--	70	N	5.0	1,000	1,000	150	150	3.0	5	10
RLT0120	--	70	N	5.0	2,000	1,000	100	150	3.0	15	20
RLT0102	--	150	N	5.0	700	700	150	100	2.0	10	30
LCH0158	--	50	N	5.0	2,000	1,500	100	70	3.0	7	15
LCH0149	--	150	N	7.0	2,000	1,000	100	100	7.0	20	30
LCH0146	--	70	N	5.0	1,500	1,000	100	50	3.0	10	15
GHA0235	--	150	N	5.0	1,000	1,500	100	70	3.0	10	20
JGF0237	--	150	N	10.0	1,500	1,000	100	100	3.0	7	15
JGF0235	--	50	N	5.0	2,000	1,000	100	50	2.0	7	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0202	1.00	1.50	70	50	N	15	700	700	N	>1.000
GHA0193	3.00	1.50	50	70	N	15	500	200	<20	.700
ELM0163	.20	.70	30	20	N	10	500	100	N	.500
MEH0224	.50	.70	30	30	N	7	300	70	N	.300
MEH0235	1.00	.70	50	70	N	15	500	150	N	.500
MEH0229	.70	.70	50	30	N	10	300	100	N	.300
ELM0164	.70	1.00	70	50	N	15	1,000	200	N	.500
JGF0221	.70	1.00	100	100	N	20	700	150	<20	.500
GHA0192	.15	.70	100	50	N	15	300	150	N	.500
JGF0217	.50	1.00	50	50	N	15	1,000	300	N	1.000
GHA0189	1.50	1.00	30	20	N	10	300	150	N	.500
ELM0173	.30	.70	100	70	N	20	>1,000	200	30	.700
JGF0225	.30	.70	70	50	N	10	300	150	N	.300
MEH0257	.50	1.00	70	50	N	20	500	100	N	.500
ELM0159	.70	1.00	30	30	N	15	500	300	N	1.000
GHA0205	.30	.70	70	50	N	15	300	70	N	.500
ELM0178	1.00	1.50	50	50	N	15	500	150	<20	.500
ELM0167	.30	.70	70	50	N	15	1,000	150	N	.500
MEH0232	1.00	1.00	30	30	N	10	300	100	N	.500
GHA0208	.20	.50	50	50	N	10	500	70	N	.300
GHA0211	.15	.50	100	70	N	15	700	N	<20	.500
GHA0223	.50	1.00	50	30	N	15	300	N	N	.500
GHA0220	1.50	1.50	70	70	N	20	1,000	N	N	1.000
GHA0232	.70	1.00	70	50	N	15	1,000	N	N	.700
JGF0233	.30	.70	70	70	N	10	300	N	N	.500
JGF0231	.20	.70	70	70	N	10	1,000	N	N	.500
ELM0185	.50	1.00	50	50	N	10	300	N	N	.500
RLT0114	.30	1.00	100	50	N	10	200	N	N	.300
LCH0152	.20	.70	30	30	N	7	500	N	N	.500
RLT0111	.50	1.00	70	50	N	10	700	N	<20	.700
RLT0108	.50	1.00	50	50	N	10	700	N	<20	.700
RLT0099	.50	.70	100	70	N	10	500	N	<20	.700
RLT0117	.30	1.50	50	50	N	10	200	N	N	.300
RLT0126	.30	.70	50	50	N	10	300	N	N	.300
LCH0155	.30	.70	70	50	N	10	300	N	N	.500
RLT0129	.30	.70	70	50	N	15	500	N	N	.300
RLT0123	.20	.70	70	30	N	10	700	N	N	.300
RLT0120	.30	1.00	70	30	N	10	300	N	N	.500
RLT0102	.30	1.50	70	30	N	10	300	N	N	.500
LCH0138	.30	.50	70	50	N	10	700	N	N	.500
LCH0149	.07	1.00	70	50	N	15	300	N	N	.500
LCH0146	.15	.70	70	50	N	10	300	N	N	.300
GHA0235	.70	1.00	70	30	N	10	700	N	N	.700
JGF0237	.15	.70	100	70	N	20	>1,000	N	<20	.500
JGF0236	.10	.30	70	30	N	10	700	N	N	.300

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
JGF0243	31 12 58	110 58 47	20	N	50	55	10	N	N	.04	30
GHA0226	31 15 23	111 7 19	20	5	50	50	15	N	N	.12	30
JGF0245	31 12 48	110 58 54	30	5	70	70	15	N	N	.06	30
GHA0217	31 14 52	111 7 20	30	N	50	45	20	N	N	.06	20
RLT0105	31 5 7	111 4 37	50	10	100	45	10	N	N	.06	20
JGF0240	31 10 10	111 2 50	50	50	700	180	10	N	N	.10	30
GHA0229	31 17 56	111 9 36	20	N	70	45	10	N	N	.35	10
GHA0214	31 14 53	111 7 3	30	N	70	40	20	N	N	.06	10
JGF0255	31 15 1	110 27 8	50	N	70	50	50	N	N	.06	10
ELM0231	30 41 23	110 16 47	50	N	50	60	30	N	N	.04	30
JGF0307	31 1 58	110 18 17	300	N	100	220	50	N	N	.06	30
ELM0229	30 43 18	110 16 30	70	N	70	55	30	N	N	.06	20
JGF0309	31 2 5	110 18 36	150	N	70	75	100	N	N	.02	40
ELM0217	31 12 52	110 15 41	30	N	70	60	100	N	N	.22	20
JGF0264	31 16 29	110 25 6	70	N	30	25	100	N	N	.02	N
JGF0334	31 6 20	110 19 7	100	N	70	50	70	N	N	.06	20
JGF0322	31 4 22	110 16 8	100	N	70	80	150	N	N	.04	30
JGF0269	31 1 0	110 15 49	150	N	70	80	50	N	N	.06	30
JGF0276	31 4 47	110 15 20	70	10	50	50	50	N	N	.06	20
JGF0261	31 15 46	110 24 26	50	N	30	35	70	N	N	.04	10
ELM0247	30 42 54	110 12 2	50	5	50	50	30	N	N	.06	30
JGF0247	31 18 34	110 27 32	20	N	50	25	20	N	N	.02	10
JGF0278	31 5 2	110 15 25	200	N	70	75	500	N	N	.04	10
JGF0284	31 8 11	110 15 17	50	N	70	40	200	N	N	.04	10
JGF0249	31 17 29	110 26 15	70	N	20	50	100	N	N	.04	<10
MEH0350	31 13 28	110 24 53	70	N	50	35	70	N	N	.04	10
MEH0264	31 0 25	110 33 8	70	N	70	60	70	N	N	.06	20
MEH0266	31 3 19	110 30 31	70	N	30	30	150	N	N	.16	10
MEH0340	30 54 22	110 28 1	50	N	50	85	30	N	N	.06	20
MEH0331	30 56 24	110 28 32	100	N	300	200	100	2.0	<.05	.04	30
MEH0343	30 55 50	110 24 29	70	N	70	120	30	N	N	.04	20
MEH0325	30 58 10	110 28 44	50	N	50	50	30	N	N	.02	20
MEH0328	30 57 29	110 27 26	30	N	50	65	20	N	N	.04	10
MEH0334	30 56 5	110 26 47	70	10	50	60	30	N	N	<.02	10
MEH0322	30 58 55	110 28 7	70	N	50	50	20	N	N	.06	10
MEH0337	30 56 1	110 26 12	70	N	50	70	20	N	N	.06	20
MEH0345	30 53 32	110 24 46	100	N	100	90	50	N	N	.04	30
MEH0318	31 6 4	110 34 45	50	N	30	75	50	N	N	.04	10
MEH0314	30 55 12	110 35 33	50	15	50	45	20	N	N	.04	20
MEH0320	31 3 2	110 36 41	30	N	30	30	30	N	N	.04	10
MEH0266	31 3 19	110 30 31	70	7	100	110	30	N	N	.04	40
MEH0283	31 6 51	110 26 10	70	N	150	80	15	N	N	.02	40
MEH0289	31 4 56	110 28 49	50	N	50	45	30	N	N	.04	20
MEH0308	30 55 55	110 35 4	30	10	50	40	15	N	N	.04	30
MEH0316	31 6 4	110 34 26	100	N	50	100	50	N	N	.08	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
JGF0243	--	150	N	7.0	1,000	1,000	150	500	3.0	10	30
GHA0226	--	150	N	5.0	1,000	1,000	300	70	2.0	30	100
JGF0245	--	200	N	10.0	1,500	1,000	100	200	3.0	15	70
GHA0217	--	200	N	7.0	1,000	1,000	200	50	2.0	30	70
RLT0105	--	100	N	7.0	1,000	1,000	100	150	3.0	15	20
JGF0240	--	150	N	10.0	2,000	1,000	100	70	2.0	10	20
GHA0229	--	70	N	5.0	1,000	700	200	30	3.0	20	30
GHA0214	--	200	N	10.0	1,500	1,000	500	50	2.0	50	200
JGF0255	--	300	N	10.0	1,500	700	300	20	2.0	15	50
ELM0231	--	300	N	10.0	1,000	700	200	50	1.0	20	30
JGF0307	--	200	N	7.0	1,000	700	300	50	2.0	20	50
ELM0229	--	300	N	15.0	1,000	700	200	50	1.5	20	30
JGF0309	--	300	N	7.0	1,000	700	500	50	1.5	30	50
ELM0217	--	500	N	20.0	2,000	500	150	15	1.5	30	30
JGF0264	--	300	N	10.0	1,500	1,000	1,000	10	2.0	50	100
JGF0334	--	300	N	10.0	1,500	700	500	20	2.0	20	100
JGF0322	--	300	N	10.0	1,500	700	700	30	2.0	50	100
JGF0269	--	300	N	10.0	1,500	700	500	30	1.0	30	70
JGF0276	--	200	N	7.0	1,000	700	500	30	1.0	30	150
JGF0261	--	300	N	15.0	1,500	700	700	15	1.5	70	50
ELM0247	--	200	N	10.0	1,000	700	500	15	2.0	30	50
JGF0247	--	100	N	5.0	700	500	200	30	2.0	20	70
JGF0273	--	500	N	20.0	1,500	500	300	70	2.0	70	30
JGF0284	--	500	N	15.0	1,500	500	200	30	2.0	30	20
JGF0249	--	500	N	15.0	1,500	500	700	20	1.5	70	500
MEH0350	--	300	N	10.0	1,500	700	700	20	1.5	70	200
MEH0364	--	500	N	15.0	1,500	500	300	70	2.0	30	100
MEH0266	--	1,000	N	>20.0	1,500	300	300	20	2.0	30	70
MEH0340	--	300	N	10.0	1,500	700	300	50	1.0	20	70
MEH0331	--	500	N	15.0	2,000	500	300	100	2.0	30	150
MEH0343	--	300	N	10.0	1,500	500	200	50	1.0	20	30
MEH0325	--	700	N	15.0	2,000	700	300	200	2.0	20	100
MEH0328	--	300	N	10.0	1,500	700	300	200	2.0	20	30
MEH0354	--	500	N	20.0	2,000	500	300	20	1.5	30	200
MEH0322	--	200	N	7.0	1,000	700	200	100	2.0	15	30
MEH0337	--	300	N	10.0	1,500	500	200	20	1.5	30	150
MEH0345	--	1,000	N	>20.0	3,000	500	200	20	1.5	30	500
MEH0313	--	300	N	15.0	2,000	700	300	30	1.5	20	100
MEH0314	--	200	N	10.0	1,500	700	200	70	2.0	15	50
MEH0320	--	150	N	7.0	1,000	700	500	30	2.0	20	30
MEH0266	--	300	N	10.0	1,000	500	200	50	2.0	20	100
MEH0233	--	200	N	7.0	1,500	500	300	70	1.5	15	50
MEH0239	--	500	N	10.0	1,500	700	300	70	2.0	20	70
MEH0305	--	1,000	N	7.0	1,500	700	150	200	3.0	10	20
MEH0316	--	300	N	15.0	1,500	500	300	15	2.0	30	100

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0243	.15	.50	70	50	N	15	>1,000	N	<20	.500
GHA0226	1.00	1.50	50	30	N	10	300	N	N	.500
JGF0245	.50	1.00	150	100	N	20	1,000	N	20	.700
GHA0217	1.50	1.50	70	50	N	15	500	N	<20	.700
RLT0105	.30	1.00	100	70	N	15	700	N	<20	.500
JGF0240	.20	.70	50	70	N	15	>1,000	N	<20	.700
GHA0229	1.00	1.00	50	20	N	10	500	N	N	.300
GHA0214	3.00	2.00	70	30	N	20	300	N	N	.700
JGF0255	1.00	1.00	100	30	N	7	500	N	N	.700
ELM0231	3.00	1.50	30	15	N	10	200	N	N	1.000
JGF0307	1.50	2.00	30	20	N	15	200	N	N	.500
ELM0229	3.00	2.00	50	20	N	15	200	N	N	>1.000
JGF0309	2.00	2.00	50	20	N	20	200	N	N	.700
ELM0217	1.00	.70	70	50	N	20	>1,000	N	20	>1.000
JGF0264	2.00	3.00	50	30	N	20	300	N	N	1.000
JGF0334	1.00	1.50	50	30	N	15	700	N	N	1.000
JGF0322	3.00	2.00	50	20	N	20	300	N	N	1.000
JGF0269	2.00	2.00	50	20	N	20	200	N	N	1.000
JGF0276	3.00	2.00	30	20	N	15	200	N	N	.700
JGF0261	2.00	2.00	50	30	N	20	500	N	N	>1.000
ELM0247	1.00	1.50	50	30	N	10	200	N	N	1.000
JGF0247	1.00	1.00	50	30	N	10	300	N	N	.500
JGF0278	2.00	1.50	30	30	N	20	500	N	<20	>1.000
JGF0284	.50	.70	50	50	N	20	>1,000	N	<20	>1.000
JGF0249	2.00	2.00	50	20	N	20	300	N	N	>1.000
MEH0350	2.00	2.00	50	30	N	15	500	N	N	1.000
MEH0264	2.00	2.00	100	70	N	30	>1,000	N	N	1.000
MEH0266	2.00	2.00	200	100	N	30	>1,000	N	<20	>1.000
MEH0340	1.50	2.00	30	20	N	20	300	N	N	1.000
MEH0331	1.00	1.50	70	50	N	20	500	N	N	>1.000
MEH0343	1.50	1.00	50	30	N	20	500	N	N	1.000
MEH0325	2.00	1.50	50	70	N	30	1,000	N	<20	>1.000
MEH0328	2.00	1.00	70	50	N	20	1,000	N	N	1.000
MEH0334	2.00	1.50	50	50	N	30	>1,000	N	N	>1.000
MEH0322	1.50	1.00	70	50	N	10	500	N	<20	.500
MEH0337	2.00	1.50	20	30	N	20	500	N	N	.700
MEH0345	1.00	1.00	20	30	N	20	1,000	N	N	>1.000
MEH0318	2.00	2.00	150	100	N	30	1,000	N	<20	>1.000
MEH0314	1.00	1.50	50	50	N	15	1,000	N	<20	.700
MEH0320	3.00	2.00	100	70	N	30	500	N	N	.700
MEH0266	.50	1.00	50	30	N	20	500	N	<20	1.000
MEH0283	.50	.70	70	30	N	15	500	N	N	.700
MEH0289	1.50	1.50	100	50	N	20	700	N	<20	>1.000
MEH0308	.50	.70	70	50	N	15	500	N	N	.500
MEH0316	2.00	3.00	70	70	N	30	1,000	N	N	1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
MEH0292	31 2 37	110 26 6	500	20	50	95	20	N	N	.02	10
MEH0306	30 56 50	110 33 23	30	N	50	40	15	N	N	.02	30
MEH0300	31 0 54	110 29 26	150	N	100	90	30	N	N	.02	20
MEH0268	31 3 51	110 29 39	150	N	70	40	50	N	N	.08	10
MEH0348	31 12 7	110 24 25	150	N	30	35	50	N	N	.02	<10
MEH0303	31 1 12	110 29 38	200	N	50	110	20	N	N	.02	20
MEH0280	31 5 7	110 27 34	50	N	100	140	20	N	N	.04	10
MEH0274	31 3 27	110 28 53	100	5	70	85	30	N	N	.02	20
MEH0297	31 1 32	110 25 37	200	N	50	65	15	N	N	.04	20
MEH0271	31 3 40	110 28 54	100	N	200	80	30	N	<.05	.04	20
MEH0353	31 13 30	110 27 25	300	N	30	45	50	N	N	.04	N
MEH0311	30 56 10	110 32 56	50	N	70	75	15	N	N	.06	30
MEH0278	31 4 57	110 27 46	30	N	70	90	20	N	N	.06	20
JGF0271	31 2 26	110 17 45	150	N	70	120	20	N	N	.04	40
ELM0221	31 16 8	110 23 46	30	N	50	40	15	N	N	.06	20
JGF0258	31 15 22	110 26 46	100	N	50	45	50	N	N	.04	<10
JGF0292	31 8 37	110 17 18	50	N	70	30	20	N	N	.04	20
JGF0253	31 17 42	110 26 9	50	7	30	40	30	N	N	.04	N
JGF0327	31 6 55	110 16 50	50	N	50	60	20	N	N	.04	10
ELM0227	30 43 23	110 16 13	50	N	150	70	30	N	N	.12	20
JGF0274	31 4 37	110 15 16	100	N	100	120	30	N	N	.04	30
JGF0329	31 6 43	110 19 2	50	N	70	55	20	N	N	.02	30
JGF0287	31 8 22	110 15 9	70	N	50	45	20	N	N	.02	10
JGF0337	31 8 56	110 22 17	50	10	30	35	20	N	N	.02	<10
JGF0300	31 0 40	110 21 53	300	5	100	300	30	N	N	.06	30
JGF0281	31 7 26	110 13 43	100	N	70	75	30	N	N	.02	30
JGF0341	31 10 30	110 23 43	70	N	50	35	30	N	N	.04	N
JGF0331	31 6 17	110 18 52	50	N	50	70	15	N	N	.02	20
ELM0202	31 2 37	110 2 7	50	N	70	65	20	N	N	.02	20
ELM0207	31 3 52	110 2 12	20	N	50	60	15	N	N	.02	20
JGF0343	31 10 12	110 23 59	100	N	50	25	50	N	N	.02	N
JGF0339	31 8 39	110 22 19	70	N	70	50	30	N	N	.06	40
JGF0313	31 2 14	110 18 38	150	N	50	65	30	N	N	.04	30
ELM0243	30 41 36	110 14 1	50	N	30	45	30	N	N	.10	20
JGF0326	31 5 55	110 16 27	100	N	70	65	30	N	N	.04	20
JGF0303	31 0 29	110 21 45	1,000	7	200	270	50	1.5	N	.20	80
ELM0253	30 43 31	110 13 44	100	N	50	70	50	N	N	.04	20
ELM0258	30 43 5	110 12 31	50	N	50	60	30	N	N	.06	20
JGF0324	31 4 13	110 15 58	100	N	70	80	20	N	N	.04	20
ELM0223	31 16 22	110 23 30	30	N	30	40	15	N	N	.04	20
ELM0200	31 2 12	110 4 22	50	N	70	60	30	N	N	.04	20
ELM0260	30 43 18	110 12 1	70	N	50	75	50	N	N	.06	20
JGF0317	31 3 46	110 20 50	150	N	100	85	30	N	N	.02	30
ELM0238	30 40 55	110 14 17	50	N	50	50	30	N	N	.10	30
ELM0264	30 46 13	110 9 59	70	N	30	65	50	N	N	.04	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
MEH0292	--	500	50	15.0	1,000	500	200	100	1.5	20	50
MEH0306	--	70	N	5.0	500	500	150	150	3.0	15	30
MEH0300	--	300	N	15.0	1,500	700	300	50	2.0	20	50
MEH0268	--	1,000	N	>20.0	1,000	500	200	20	2.0	20	200
MEH0348	--	300	N	20.0	1,500	700	1,000	20	1.5	70	150
MEH0303	--	200	N	10.0	1,000	500	300	100	2.0	20	70
MEH0280	--	150	N	7.0	1,500	500	200	50	2.0	20	50
MEH0274	--	200	N	10.0	1,500	700	300	70	2.0	30	70
MEH0297	--	100	N	5.0	700	700	300	70	2.0	20	50
MEH0271	--	500	N	10.0	2,000	700	300	50	2.0	30	150
MEH0353	--	300	N	15.0	1,000	1,500	1,000	15	2.0	70	150
MEH0311	--	70	N	5.0	1,500	700	100	100	3.0	15	20
MEH0278	--	200	N	7.0	1,500	700	300	50	2.0	20	50
JGF0271	--	300	N	10.0	1,000	700	500	50	2.0	30	100
ELM0221	--	100	N	5.0	700	700	300	30	2.0	15	30
JGF0258	--	500	N	15.0	2,000	700	1,000	15	2.0	70	100
JGF0292	--	200	N	7.0	1,000	700	500	20	2.0	20	30
JGF0253	--	300	N	10.0	1,000	700	700	15	1.0	50	70
JGF0327	--	200	N	7.0	1,000	700	200	20	2.0	30	100
ELM0227	--	200	N	10.0	1,000	1,000	200	50	2.0	20	30
JGF0274	--	200	N	10.0	1,500	700	500	50	2.0	50	70
JGF0329	--	150	N	5.0	700	700	300	20	2.0	30	50
JGF0287	--	150	N	7.0	1,000	700	300	30	2.0	20	150
JGF0337	--	200	N	5.0	1,000	700	700	30	2.0	50	100
JGF0300	--	200	50	10.0	1,500	700	500	70	2.0	20	20
JGF0281	--	500	N	15.0	1,500	500	500	50	2.0	30	300
JGF0341	--	200	N	7.0	700	1,000	1,000	30	2.0	50	50
JGF0331	--	150	N	5.0	700	1,000	700	30	3.0	20	20
ELM0202	--	200	N	10.0	1,500	1,000	500	20	2.0	15	50
ELM0207	--	200	N	10.0	1,000	1,000	300	20	2.0	10	20
JGF0343	--	150	N	10.0	1,500	1,500	1,500	20	3.0	70	100
JGF0339	--	300	N	15.0	700	1,500	200	30	3.0	20	100
JGF0313	--	200	N	10.0	1,000	1,000	300	100	2.0	30	70
ELM0243	--	200	N	10.0	1,000	700	300	30	1.5	15	20
JGF0326	--	300	N	10.0	1,500	700	700	100	2.0	30	150
JGF0303	--	150	<50	7.0	3,000	700	150	50	3.0	20	20
ELM0253	--	500	N	15.0	1,500	700	300	20	2.0	70	150
ELM0258	--	300	N	15.0	2,000	700	300	15	2.0	30	50
JGF0324	--	200	N	7.0	1,000	700	500	70	2.0	20	30
ELM0223	--	200	N	10.0	1,000	500	200	30	2.0	15	30
ELM0200	--	300	N	15.0	1,500	700	300	20	2.0	20	70
ELM0260	--	300	N	10.0	1,500	1,000	700	N	2.0	50	50
JGF0317	--	200	N	10.0	1,000	700	200	30	2.0	20	50
ELM0238	--	300	N	10.0	1,000	1,000	500	50	2.0	30	70
ELM0264	--	500	N	15.0	1,500	700	500	20	2.0	50	70

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0292	.50	.70	50	50	N	20	300	N	N	1.000
MEH0306	.70	1.50	50	70	N	15	150	N	N	.300
MEH0300	1.50	1.50	70	50	N	15	700	N	N	.700
MEH0268	1.00	1.00	150	70	N	15	>1,000	N	N	1.000
MEH0348	2.00	2.00	50	20	N	20	300	N	N	>1.000
MEH0303	1.00	1.00	50	30	N	20	300	N	N	.700
MEH0280	1.00	1.50	50	30	N	20	500	N	N	.700
MEH0274	1.50	1.50	70	50	N	20	200	N	<20	.700
MEH0297	1.00	2.00	70	50	N	20	300	N	N	.500
MEH0271	1.50	1.00	50	50	N	20	500	N	20	>1.000
MEH0353	1.50	1.50	50	20	N	20	300	N	N	1.000
MEH0311	.50	1.00	70	50	N	20	300	N	N	.300
MEH0278	1.00	1.00	50	20	N	20	300	N	N	.700
JGF0271	2.00	1.50	50	30	N	30	300	N	N	.700
ELM0221	1.00	1.00	50	20	N	15	300	N	N	.500
JGF0258	2.00	2.00	50	30	N	20	500	N	N	>1.000
JGF0292	1.00	1.00	50	30	N	15	500	N	N	.700
JGF0253	2.00	1.50	50	30	N	15	500	N	N	1.000
JGF0327	.70	1.00	50	30	N	15	300	N	N	.700
ELM0227	2.00	1.50	50	20	N	15	300	N	N	1.000
JGF0274	1.50	2.00	70	30	N	30	300	N	N	.700
JGF0329	.70	1.50	50	20	N	10	300	N	N	.500
JGF0287	.50	1.00	50	30	N	15	500	N	N	.700
JGF0337	1.00	1.50	50	20	N	15	300	N	N	.700
JGF0300	1.50	2.00	70	50	N	20	500	N	N	.700
JGF0281	1.00	1.50	70	50	N	20	1,000	N	N	>1.000
JGF0341	1.00	2.00	50	20	N	15	300	N	N	.500
JGF0331	1.50	1.50	50	20	N	10	300	N	N	.500
ELM0202	2.00	1.50	50	20	N	15	300	N	N	.700
ELM0207	1.00	1.00	100	30	N	10	500	N	N	.700
JGF0343	2.00	2.00	70	30	N	20	300	N	N	1.000
JGF0339	.50	1.00	70	30	N	20	>1,000	N	<20	>1.000
JGF0313	2.00	1.50	50	50	N	20	300	N	N	1.000
ELM0243	1.50	1.50	30	20	N	15	200	N	N	1.000
JGF0326	2.00	1.50	70	50	N	30	500	N	N	>1.000
JGF0303	1.00	1.50	50	50	N	15	300	N	N	.500
ELM0253	1.50	2.00	50	30	N	20	300	N	N	>1.000
ELM0258	1.00	1.50	70	30	N	15	700	N	N	>1.000
JGF0324	2.00	2.00	50	30	N	20	300	N	N	.700
ELM0223	1.00	1.00	50	50	N	15	1,000	N	N	.700
ELM0200	1.00	1.50	70	50	N	15	>1,000	N	N	1.000
ELM0260	2.00	2.00	30	30	N	20	300	N	N	1.000
JGF0317	.50	1.50	50	50	N	20	700	N	N	1.000
ELM0238	1.50	1.50	50	30	N	20	300	N	N	>1.000
ELM0264	2.00	2.00	50	50	N	30	500	N	N	>1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
JGF0315	31 3 32	110 20 43	70	N	70	90	20	N	N	.02	10
ELM0245	30 42 23	110 13 5	50	N	50	45	30	N	N	.24	<10
JGF0345	31 12 8	110 24 30	200	N	20	50	100	N	N	.04	10
JGF0320	31 4 16	110 21 2	150	N	150	75	20	N	N	.22	30
JGF0311	31 2 23	110 18 37	100	N	70	75	30	N	N	.02	30
JGF0344	31 11 58	110 24 23	150	N	20	45	70	N	N	<.02	10
ELM0241	30 41 45	110 14 11	70	N	50	50	30	N	N	.40	40
ELM0235	30 40 41	110 15 52	50	N	30	55	20	N	N	.06	30
ELM0211	31 16 59	110 15 59	50	N	70	40	20	N	.60	.04	10
RLT0175	30 49 38	109 59 3	20	N	100	120	15	N	N	.04	10
ELM0225	31 13 25	110 20 38	30	N	50	40	10	N	N	.02	10
ELM0233	30 41 0	110 16 36	50	N	70	55	20	N	N	.06	20
ELM0205	31 2 28	110 2 13	30	N	70	50	20	N	N	.02	10
ELM0209	31 8 21	110 5 24	50	N	70	50	30	N	N	.06	30
ELM0214	31 14 18	110 14 15	15	5	30	25	N	N	N	<.02	<10
RLT0184	30 45 47	110 0 5	15	N	50	55	15	N	N	<.02	<10
LCH0197	30 39 44	109 53 22	50	N	70	80	50	N	N	.04	N
RLT0172	30 49 33	109 58 54	15	N	70	95	15	N	N	.02	10
ELM0219	31 15 12	110 21 35	30	N	50	60	30	N	N	.06	20
GHA0315	30 42 49	110 12 55	50	N	30	55	30	N	N	.04	10
RLT0187	30 49 12	109 53 59	20	N	70	150	20	N	N	.02	N
GHA0321	30 43 54	110 10 40	70	N	50	75	50	N	N	.02	20
ELM0262	30 43 38	110 10 40	70	N	50	80	50	N	N	.04	20
GHA0324	30 43 45	110 10 36	100	N	50	100	50	N	N	.04	10
LCH0176	30 48 1	110 4 57	70	N	100	85	50	N	N	.04	30
GHA0318	30 42 53	110 11 18	70	N	50	75	50	N	N	.02	30
ELM0256	30 43 37	110 13 55	30	N	50	80	20	N	N	.06	20
GHA0327	30 44 31	110 9 14	50	N	30	65	30	N	N	.04	20
GHA0284	30 39 1	110 14 30	70	N	70	50	50	N	N	.10	30
GHA0297	30 39 6	110 15 27	50	N	50	55	30	N	N	.02	20
LCH0182	30 49 42	110 2 57	20	N	50	40	10	N	N	.02	<10
RLT0190	30 49 4	109 54 14	150	N	70	120	30	N	N	.04	<10
ELM0250	30 42 55	110 12 42	50	N	50	95	50	N	N	.18	20
GHA0302	30 40 12	110 16 14	50	N	70	65	20	N	N	.04	30
ELM0194	31 1 23	110 2 3	20	N	50	40	15	N	N	.04	10
ELM0188	30 58 47	110 4 25	50	N	70	60	15	N	N	.12	10
LCH0185	30 51 2	110 2 50	20	N	50	50	15	N	N	<.02	10
GHA0268	30 48 17	110 19 26	70	N	100	100	30	N	N	.04	30
GHA0259	30 50 14	110 25 34	100	N	50	70	70	N	N	.04	<10
RLT0199	30 45 15	109 54 26	15	5	70	65	10	N	N	.02	N
ELM0191	31 0 30	110 3 31	20	N	50	40	20	N	N	.04	10
LCH0179	30 48 32	110 2 26	30	N	50	55	20	N	N	.04	20
GHA0253	30 50 49	110 17 9	150	N	1,500	180	30	.7	.05	.08	60
ELM0197	31 1 24	110 1 57	30	N	50	50	15	N	N	.06	10
GHA0266	30 48 12	110 20 8	100	N	150	130	30	N	N	.02	30

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
JGFO315	--	200	N	7.0	1,000	700	300	30	2.0	20	50
ELMO245	--	200	N	10.0	1,000	1,000	5,000	20	2.0	20	50
JGFO345	--	500	N	>20.0	2,000	700	700	10	1.0	100	500
JGFO320	--	200	N	10.0	1,500	700	150	50	3.0	15	20
JGFO311	--	200	N	7.0	1,000	700	700	70	2.0	20	100
JGFO344	--	700	N	20.0	2,000	700	700	30	1.0	100	200
ELMO241	--	200	N	10.0	1,500	1,500	200	50	2.0	30	100
ELMO235	--	150	N	7.0	1,000	1,000	300	70	2.0	20	20
ELMO211	--	300	N	15.0	1,500	500	100	20	2.0	15	70
RLTO175	--	150	N	10.0	1,500	700	100	30	5.0	15	70
ELMO225	--	150	N	5.0	700	700	200	30	1.5	15	30
ELMO233	--	200	N	10.0	1,000	700	500	50	2.0	30	50
ELMO205	--	200	N	7.0	1,000	1,000	300	20	2.0	15	20
ELMO209	--	300	N	10.0	1,500	700	200	20	2.0	20	30
ELMO214	--	30	N	3.0	700	1,000	300	20	2.0	15	15
RLTO184	--	200	N	10.0	1,000	500	100	100	3.0	15	50
LCHO197	--	500	N	20.0	2,000	500	150	15	5.0	20	100
RLTO172	--	300	N	>20.0	2,000	500	100	15	3.0	10	100
ELMO219	--	500	N	20.0	1,500	700	300	15	1.5	15	50
GHAO315	--	200	N	10.0	1,500	1,000	500	30	2.0	15	15
RLTO187	--	100	N	10.0	2,000	500	150	20	5.0	15	30
GHAO321	--	300	N	10.0	1,500	700	700	15	2.0	30	100
ELMO262	--	700	N	15.0	1,500	700	700	15	2.0	50	100
GHAO324	--	700	N	15.0	1,500	700	700	10	2.0	50	100
LCHO176	--	500	N	15.0	1,500	1,500	500	30	3.0	30	70
GHAO318	--	300	N	10.0	1,000	700	500	20	3.0	50	50
ELMO256	--	200	N	7.0	1,000	700	300	30	2.0	15	20
GHAO327	--	300	N	7.0	1,000	700	500	10	2.0	30	30
GHAO284	--	500	N	15.0	1,500	700	700	50	2.0	70	150
GHAO297	--	200	N	7.0	1,000	700	700	30	2.0	30	30
LCHO182	--	150	N	10.0	1,000	500	100	100	2.0	20	70
RLTO190	--	100	N	7.0	1,500	500	100	50	3.0	15	30
ELMO250	--	500	N	20.0	1,500	700	300	20	3.0	30	100
GHAO302	--	200	N	10.0	1,000	700	300	50	2.0	20	30
ELMO194	--	100	N	5.0	1,000	700	200	20	1.5	10	15
ELMO188	--	150	N	7.0	2,000	700	200	30	3.0	20	20
LCHO185	--	150	N	15.0	1,000	300	100	70	1.5	20	100
GHAO268	--	300	N	15.0	2,000	700	150	70	2.0	20	200
GHAO259	--	500	N	20.0	2,000	1,000	500	20	3.0	200	2,000
RLTO199	--	100	N	7.0	1,500	500	100	15	3.0	15	50
ELMO191	--	150	N	10.0	1,500	700	150	20	2.0	15	30
LCHO179	--	200	N	10.0	1,500	700	200	30	3.0	30	70
GHAO253	--	200	N	10.0	2,000	1,000	200	70	2.0	30	100
ELMO197	--	150	N	7.0	1,000	700	200	20	3.0	10	20
GHAO266	--	300	N	15.0	2,000	700	200	100	3.0	30	150

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0315	2.00	1.50	50	30	N	20	300	N	N	.700
ELM0245	1.50	1.50	50	30	N	15	500	N	N	1.000
JGF0345	2.00	3.00	50	20	N	20	300	N	N	>1.000
JGF0320	.30	1.00	70	50	N	20	1,000	N	N	1.000
JGF0311	2.00	2.00	50	20	N	20	300	N	N	.700
JGF0344	2.00	2.00	30	20	N	20	300	N	<20	>1.000
ELM0241	1.50	1.50	50	20	N	15	500	N	N	.700
ELM0235	2.00	1.50	30	20	N	15	200	N	N	.700
ELM0211	1.50	1.00	50	50	N	15	>1,000	N	<20	1.000
RLT0175	.50	1.00	150	100	<100	30	1,000	N	30	1.000
ELM0225	1.50	1.00	30	30	N	15	500	N	N	.500
ELM0233	1.00	1.50	30	20	N	15	300	N	N	1.000
ELM0205	1.00	1.50	50	30	N	15	1,000	N	N	.700
ELM0209	1.00	1.00	50	30	N	15	300	N	N	1.000
ELM0214	1.50	1.00	30	15	N	5	200	N	N	.200
RLT0184	.30	.70	70	100	N	20	1,000	N	20	1.000
LCH0197	1.00	1.00	100	200	N	30	>1,000	N	30	>1.000
RLT0172	.20	.70	100	150	150	30	>1,000	N	20	1.000
ELM0219	1.00	1.00	70	30	N	20	>1,000	N	N	>1.000
GHA0315	1.50	1.50	50	20	N	15	200	N	N	1.000
RLT0187	.70	1.50	200	100	N	30	700	N	N	.500
GHA0321	5.00	2.00	N	30	N	30	200	N	N	.700
ELM0262	2.00	2.00	30	30	N	30	200	N	N	>1.000
GHA0324	3.00	2.00	50	30	N	30	200	N	N	>1.000
LCH0176	2.00	1.50	50	50	N	20	1,000	N	<20	>1.000
GHA0318	2.00	2.00	50	30	N	30	300	N	N	1.000
ELM0256	1.50	1.00	30	20	N	10	200	N	N	.700
GHA0327	2.00	1.50	50	30	N	20	300	N	N	1.000
GHA0284	5.00	2.00	50	30	N	30	300	N	<20	>1.000
GHA0297	2.00	2.00	30	20	N	20	200	N	N	.700
LCH0182	.50	.50	50	70	N	20	1,000	N	<20	1.000
RLT0190	.70	1.00	70	70	N	30	500	N	<20	.500
ELM0250	2.00	1.50	70	50	N	20	1,000	N	N	>1.000
GHA0302	1.50	1.50	20	15	N	15	300	N	N	1.000
ELM0194	.70	1.00	30	20	N	10	200	N	N	.500
ELM0188	.50	1.00	30	20	N	10	300	N	N	.700
LCH0185	1.50	.50	100	70	N	20	500	N	<20	>1.000
GHA0268	1.00	1.00	50	30	N	20	>1,000	N	N	>1.000
GHA0259	3.00	5.00	50	15	N	30	300	N	N	>1.000
RLT0199	.50	1.00	100	150	<100	30	>1,000	N	30	>1.000
ELM0191	.50	1.00	50	20	N	15	500	N	N	1.000
LCH0179	1.50	1.00	50	50	N	20	500	N	N	1.000
GHA0253	1.50	1.50	50	20	N	20	300	N	N	1.000
ELM0197	1.00	1.00	50	30	N	15	700	N	N	.700
GHA0266	2.00	1.50	50	50	N	20	500	N	<20	>1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
GHA0309	30 41 38	110 14 18	50	N	30	65	30	N	N	.02	10
GHA0256	30 50 23	110 25 34	150	N	100	75	30	N	N	.04	20
LCH0188	30 50 10	110 3 19	30	N	50	50	15	N	N	.02	<10
RLT0136	30 57 19	110 8 18	30	N	50	30	10	N	N	.02	10
GHA0254	30 48 17	110 20 24	70	N	150	95	30	N	N	.02	40
LCH0161	30 56 18	110 16 24	300	N	150	160	30	N	N	.06	40
GHA0250	30 50 29	110 17 7	150	N	150	250	30	N	N	.02	80
RLT0163	30 51 56	110 5 13	20	N	50	35	15	N	N	<.02	N
GHA0236	30 54 53	110 16 28	500	N	70	100	15	N	N	.02	40
LCH0170	30 49 54	110 6 31	100	N	100	120	30	N	N	.02	20
GHA0291	30 43 20	110 18 7	70	N	150	90	20	N	N	.04	20
RLT0151	30 54 29	110 5 25	50	10	70	45	15	N	N	.06	N
GHA0312	30 41 45	110 14 0	30	N	50	45	20	N	N	.12	10
GHA0281	30 36 53	110 14 9	50	N	30	65	20	N	N	.08	40
GHA0244	30 52 43	110 17 53	150	N	200	130	50	N	N	.06	80
GHA0241	30 54 7	110 17 8	500	20	200	210	30	N	N	.14	80
GHA0247	30 52 40	110 18 3	200	N	150	220	30	N	N	.04	80
GHA0289	30 42 14	110 17 47	70	N	70	75	30	N	N	.04	20
GHA0287	30 41 39	110 17 26	100	N	70	85	50	N	N	.06	20
GHA0300	30 40 27	110 15 38	70	N	50	80	30	N	N	.04	40
RLT0142	30 55 6	110 6 52	30	N	100	35	15	N	N	.04	10
RLT0160	30 52 23	110 5 39	50	N	70	50	20	N	N	.04	20
GHA0275	30 34 57	110 13 31	70	20	50	50	50	N	N	.02	20
LCH0200	30 39 39	109 53 17	50	N	100	110	30	N	.15	.02	10
GHA0306	30 41 7	110 14 21	50	30	50	55	30	N	N	.06	20
LCH0164	30 52 8	110 8 8	150	N	100	180	30	N	N	.06	20
GHA0278	30 36 13	110 13 37	70	N	50	55	30	N	N	.04	20
ELM0181	31 12 50	111 12 42	50	10	100	80	20	N	N	.12	20
RLT0193	30 48 26	109 54 14	10	10	50	75	10	N	N	.04	N
GHA0293	30 43 50	110 18 25	70	N	150	150	20	N	N	.04	30
LCH0191	30 44 27	109 55 9	30	N	70	90	20	N	N	.04	N
RLT0178	30 49 35	109 59 15	50	N	70	75	15	N	N	.06	N
RLT0154	30 59 12	110 4 7	20	N	70	40	10	N	N	.04	20
RLT0133	30 57 51	110 9 0	30	N	70	50	15	N	N	.06	10
RLT0196	30 47 3	109 54 17	20	N	70	100	15	N	N	.04	<10
RLT0181	30 46 50	110 0 12	30	N	50	65	10	N	N	.04	10
LCH0194	30 43 56	109 55 10	10	N	50	80	15	N	N	.04	<10
RLT0145	30 55 44	110 4 46	50	5	70	50	10	N	N	.04	<10
RLT0166	30 51 35	110 4 49	15	N	30	40	15	N	N	.02	<10
GHA0270	30 50 27	110 17 36	100	N	200	130	30	N	N	.06	40
GHA0272	30 34 39	110 12 32	50	N	20	60	50	N	N	.06	10
RLT0169	30 52 0	110 1 44	20	N	50	40	10	N	N	.02	<10
RLT0157	30 59 22	110 4 5	20	N	50	45	5	N	N	.04	10
LCH0167	30 50 37	110 7 5	100	N	70	150	30	N	N	.06	20
RLT0148	30 55 53	110 4 47	30	N	100	50	15	N	N	.02	10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GHA0309	--	300	N	10.0	1,500	700	500	10	2.0	30	50
GHA0256	--	300	N	15.0	1,500	700	500	30	2.0	30	300
LCH0188	--	70	N	5.0	700	700	150	50	2.0	20	50
RLT0136	--	70	N	5.0	700	700	150	30	2.0	15	20
GHA0264	--	300	N	20.0	5,000	500	200	70	1.5	50	500
LCH0161	--	300	N	20.0	1,000	700	200	100	1.5	30	150
GHA0250	--	200	N	10.0	2,000	1,000	200	100	2.0	30	30
RLT0163	--	300	N	>20.0	1,500	300	100	70	2.0	30	150
GHA0238	--	200	N	10.0	700	700	300	50	1.0	20	30
LCH0170	--	500	N	15.0	2,000	1,000	500	10	2.0	30	70
GHA0291	--	300	N	10.0	1,500	500	200	50	2.0	30	70
RLT0151	--	300	N	15.0	1,500	300	100	70	1.5	20	100
GHA0312	--	200	N	10.0	1,500	1,000	500	30	2.0	15	20
GHA0281	--	300	N	7.0	1,000	500	700	50	2.0	30	70
GHA0244	--	700	N	>20.0	3,000	700	200	30	3.0	50	500
GHA0241	--	300	N	20.0	2,000	700	150	150	2.0	50	100
GHA0247	--	200	N	15.0	2,000	700	200	100	3.0	50	100
GHA0289	--	500	N	20.0	1,500	500	150	20	2.0	30	100
GHA0287	--	500	N	>20.0	2,000	700	300	20	2.0	50	100
GHA0300	--	300	N	15.0	2,000	700	500	30	2.0	50	100
RLT0142	--	200	N	20.0	1,000	500	150	30	2.0	15	70
RLT0160	--	300	N	20.0	1,500	500	150	70	2.0	30	100
GHA0275	--	300	N	15.0	1,500	700	1,000	20	2.0	100	300
LCH0200	--	300	N	20.0	1,500	700	300	20	3.0	20	100
GHA0306	--	200	N	10.0	1,500	700	700	15	2.0	30	50
LCH0164	--	500	N	20.0	1,500	1,000	300	30	2.0	50	150
GHA0278	--	300	N	15.0	1,500	700	700	50	2.0	100	300
ELM0181	--	100	N	5.0	1,000	500	200	100	3.0	50	50
RLT0193	--	150	N	15.0	1,500	700	100	15	3.0	10	20
GHA0293	--	200	N	7.0	1,500	700	200	70	1.5	50	50
LCH0191	--	200	N	20.0	2,000	700	150	15	2.0	20	50
RLT0178	--	150	N	10.0	1,500	500	100	150	3.0	30	70
RLT0154	--	150	N	7.0	700	700	150	50	2.0	15	50
RLT0133	--	200	N	7.0	700	700	200	20	2.0	20	50
RLT0196	--	150	N	10.0	1,500	500	100	15	2.0	15	50
RLT0181	--	100	N	7.0	1,000	700	150	50	2.0	20	30
LCH0194	--	300	N	20.0	2,000	500	150	10	2.0	10	50
RLT0145	--	100	N	5.0	700	500	100	50	2.0	20	30
RLT0166	--	300	N	20.0	1,500	300	150	50	1.5	15	150
GHA0270	--	300	N	10.0	1,500	700	200	30	2.0	30	150
GHA0272	--	500	N	15.0	1,500	500	500	20	1.5	70	300
RLT0169	--	150	N	10.0	1,000	500	150	100	3.0	20	50
RLT0157	--	70	N	3.0	1,000	500	150	30	2.0	10	15
LCH0167	--	300	N	15.0	1,500	700	300	20	1.5	50	150
RLT0148	--	300	N	15.0	1,500	500	100	70	2.0	20	100

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0309	2.00	1.50	20	30	N	20	300	N	N	1.000
GHA0256	2.00	2.00	50	20	N	20	700	N	N	>1.000
LCH0188	1.00	1.00	150	50	N	15	300	N	N	.700
RLT0136	.50	.70	50	20	N	10	300	N	N	.500
GHA0264	3.00	1.00	50	50	N	30	500	N	20	>1.000
LCH0161	1.50	1.50	30	30	N	15	>1,000	N	N	>1.000
GHA0250	.70	1.50	30	20	N	15	700	N	N	1.000
RLT0163	1.00	.50	50	70	N	20	>1,000	N	20	>1.000
GHA0238	.50	1.00	30	15	N	10	500	N	N	1.000
LCH0170	3.00	2.00	20	15	N	20	200	N	N	>1.000
GHA0291	2.00	1.50	50	20	N	15	500	N	N	>1.000
RLT0151	3.00	1.00	50	50	N	15	700	N	N	>1.000
GHA0312	1.50	1.50	30	20	N	10	300	N	N	>1.000
GHA0231	2.00	2.00	50	30	N	20	300	N	N	1.000
GHA0244	2.00	1.50	30	30	N	20	>1,000	N	N	>1.000
GHA0241	1.00	1.50	50	30	N	20	300	N	N	>1.000
GHA0247	1.50	2.00	30	30	N	15	500	N	N	1.000
GHA0269	1.00	1.00	20	20	N	15	1,000	N	N	>1.000
GHA0287	2.00	1.50	30	30	N	20	300	N	N	>1.000
GHA0300	2.00	1.50	30	20	N	20	500	N	N	>1.000
RLT0142	.50	.70	70	30	N	15	>1,000	N	<20	>1.000
RLT0160	3.00	1.00	70	50	N	15	500	N	N	>1.000
GHA0275	3.00	3.00	50	30	N	30	500	N	N	>1.000
LCH0200	3.00	1.50	100	100	100	20	>1,000	N	20	>1.000
GHA0306	2.00	2.00	30	20	N	15	200	N	N	1.000
LCH0164	1.50	2.00	50	20	N	20	300	N	N	>1.000
GHA0278	3.00	3.00	50	30	N	20	200	N	N	>1.000
ELX0181	2.00	2.00	70	30	N	15	200	N	N	.500
RLT0193	.50	.70	150	100	100	30	>1,000	N	<20	.700
GHA0293	1.50	1.50	50	15	N	15	200	N	N	.700
LCH0191	1.00	1.00	100	100	N	20	>1,000	N	<20	>1.000
RLT0178	.30	1.00	70	70	N	20	700	N	<20	1.000
RLT0154	5.00	1.50	20	30	N	10	300	N	N	.500
RLT0133	1.50	1.00	20	20	N	15	300	N	N	.700
RLT0196	.50	1.50	100	100	<100	20	1,000	N	<20	.700
RLT0181	.50	1.00	50	50	N	15	300	N	<20	.700
LCH0194	.70	.50	150	100	150	30	>1,000	N	20	>1.000
RLT0145	1.50	.70	50	50	N	10	300	N	N	.500
RLT0166	1.00	.30	50	50	N	20	500	N	<20	>1.000
GHA0270	.70	1.00	30	20	N	15	>1,000	N	N	>1.000
GHA0272	3.00	2.00	30	20	N	30	500	N	N	>1.000
RLT0169	.50	.50	50	50	N	15	500	N	N	1.000
RLT0157	3.00	.70	20	15	N	7	200	N	N	.200
LCH0167	2.00	1.50	20	15	N	20	200	N	N	1.000
RLT0143	1.00	.70	20	50	N	15	300	N	N	1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
GHA0304	30 40 51	110 16 3	50	N	30	65	20	N	N	.06	20
GHA0295	30 44 48	110 18 41	50	N	70	80	20	N	N	.04	20
JGF0305	31 0 14	110 19 40	500	N	500	380	15	1.0	N	.14	80
RLT0139	30 56 31	110 7 45	20	N	70	35	10	N	N	.04	<10
JGF0299	31 4 37	110 24 11	500	10	100	260	15	.5	N	.16	10
LCH0173	30 48 56	110 5 50	100	N	150	160	50	N	N	.18	30
JGF0295	31 0 53	110 20 33	500	N	100	280	15	N	N	.08	20
JGF0290	31 9 26	110 16 2	50	N	70	65	20	N	N	.18	10
JGF0267	31 0 49	110 15 45	700	100	300	480	20	.5	N	1.00	40
MEH0355	31 12 31	110 24 53	50	N	50	40	15	N	N	.06	N
MEH0369	30 54 30	110 26 54	50	N	50	50	30	N	N	.02	10
JGF0353	31 14 40	110 23 20	50	N	30	30	30	N	N	.06	10
GHA0338	30 53 40	110 21 25	70	N	100	50	50	N	1.20	.02	20
JGF0350	31 11 41	110 19 51	50	N	30	20	30	N	N	.04	<10
MEH0394	30 30 46	110 1 22	70	N	30	65	70	N	.15	.06	10
MEH0385	30 50 3	110 23 30	70	N	100	90	30	N	N	.06	20
MEH0412	30 59 19	110 33 36	100	N	70	130	30	N	N	.06	20
MEH0375	30 52 49	110 24 9	100	N	100	110	30	N	N	.04	20
MEH0406	30 51 37	110 19 50	150	15	150	170	30	N	N	.06	30
MEH0381	30 52 14	110 25 6	50	N	150	85	20	N	N	<.02	20
MEH0371	30 54 37	110 25 19	70	N	150	110	20	N	N	.04	20
LCH0209	30 46 27	110 3 27	50	N	50	55	30	N	N	.06	20
RLT0211	30 44 3	110 1 10	30	N	100	40	20	N	N	.06	20
LCH0215	30 34 48	109 58 51	50	N	150	140	50	N	N	.08	20
MEH0408	30 52 28	110 19 50	150	N	150	250	30	N	N	.08	30
LCH0206	30 47 4	110 3 47	10	N	50	50	N	N	N	.04	N
JGF0347	31 10 16	110 15 4	50	N	70	55	20	N	N	.04	10
LCH0221	30 36 49	109 59 7	70	N	30	85	70	N	N	.06	20
MEH0390	30 48 52	110 27 11	50	N	30	70	30	N	N	.04	10
JGF0356	31 14 27	110 23 27	50	N	20	30	50	N	N	.06	10
MEH0392	30 48 59	110 27 1	50	N	70	65	30	N	N	.04	40
RLT0208	30 44 37	110 2 10	50	N	30	70	30	N	N	.08	20
MEH0357	30 56 3	110 29 17	100	N	500	250	30	N	N	.06	20
RLT0205	30 44 54	110 2 24	20	N	15	40	20	N	N	.04	40
MEH0365	30 54 29	110 27 8	100	N	70	70	15	N	N	.06	10
MEH0402	30 32 34	110 1 58	70	N	70	120	30	N	N	.06	20
MEH0387	30 47 49	110 26 8	70	N	70	75	30	N	N	.04	10
GHA0330	30 54 10	110 22 41	100	N	150	130	30	N	N	.06	30
MEH0410	30 54 27	110 20 21	150	N	150	230	20	N	N	.08	40
LCH0203	30 47 42	110 3 59	30	N	50	40	15	N	N	.04	10
MEH0396	30 33 46	110 2 6	50	N	50	90	70	N	N	.08	20
RLT0214	30 43 15	110 0 37	50	N	70	110	50	N	N	.08	20
MEH0393	30 33 35	110 2 12	50	N	50	80	30	2.0	N	.06	40
MEH0359	30 55 57	110 29 12	150	N	200	210	30	1.5	N	.06	20
MEH0372	30 54 1	110 24 55	50	N	30	60	30	N	N	.04	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GHA0304	--	300	N	10.0	1,000	700	200	20	1.5	20	50
GHA0295	--	300	N	10.0	1,500	700	150	30	2.0	30	70
JGF0305	--	150	N	7.0	1,500	700	150	50	2.0	20	50
RLT0139	--	100	N	7.0	700	700	150	30	2.0	15	20
JGF0299	--	150	N	7.0	1,500	700	300	70	2.0	15	15
LCH0173	--	500	N	15.0	2,000	1,500	300	30	2.0	30	50
JGF0295	--	200	N	7.0	1,500	700	300	50	2.0	15	15
JGF0290	--	300	N	10.0	1,500	700	200	20	2.0	30	50
JGF0267	--	150	70	10.0	500	500	300	70	N	20	50
MEH0355	--	100	N	5.0	700	700	1,000	30	3.0	30	30
MEH0369	--	300	N	15.0	1,500	700	300	20	1.5	20	150
JGF0353	--	200	N	10.0	700	700	700	15	1.5	50	50
GHA0338	--	1,000	N	>20.0	3,000	300	200	20	N	70	1,500
JGF0350	--	300	N	10.0	1,000	700	700	15	1.0	50	50
MEH0394	--	300	N	20.0	1,500	700	500	20	2.0	100	300
MEH0385	--	200	N	10.0	1,500	700	500	50	1.5	30	100
MEH0412	--	500	N	15.0	1,500	500	300	100	N	30	70
MEH0375	--	300	N	15.0	2,000	300	200	20	1.5	50	200
MEH0406	--	300	N	15.0	3,000	500	150	100	2.0	30	500
MEH0381	--	150	N	7.0	1,000	700	500	50	2.0	30	70
MEH0371	--	300	N	10.0	1,500	500	300	50	1.5	20	100
LCH0209	--	200	N	15.0	1,500	1,000	300	15	2.0	20	50
RLT0211	--	150	N	7.0	1,000	700	200	15	2.0	15	20
LCH0215	--	300	N	15.0	2,000	700	500	10	1.5	50	150
MEH0408	--	150	N	10.0	1,500	700	100	50	N	30	70
LCH0206	--	30	N	3.0	1,000	700	150	20	2.0	7	N
JGF0347	--	200	N	10.0	1,500	700	300	20	1.5	30	150
LCH0221	--	500	N	20.0	2,000	500	700	10	1.0	70	200
MEH0390	--	200	N	10.0	1,000	700	500	30	2.0	50	200
JGF0356	--	300	N	15.0	1,500	500	700	10	1.5	70	150
MEH0392	--	200	N	10.0	1,500	700	300	50	2.0	50	300
RLT0208	--	300	N	15.0	1,500	700	300	20	2.0	20	30
MEH0357	--	300	N	15.0	2,000	700	300	100	2.0	30	100
RLT0205	--	200	N	7.0	1,000	700	300	30	2.0	70	150
MEH0365	--	150	N	7.0	1,500	1,000	700	50	N	15	30
MEH0402	--	300	N	15.0	1,500	1,000	500	20	2.0	50	150
MEH0387	--	150	N	10.0	1,500	1,500	700	30	2.0	30	200
GHA0330	--	200	N	7.0	2,000	700	500	70	2.0	50	100
MEH0410	--	150	N	7.0	3,000	1,000	300	70	2.0	50	150
LCH0203	--	100	N	5.0	1,000	700	700	10	3.0	15	20
MEH0396	--	500	N	>20.0	2,000	1,000	500	15	1.5	70	300
RLT0214	--	500	N	20.0	3,000	1,500	300	20	2.0	30	150
MEH0398	--	300	N	15.0	1,000	700	300	50	2.0	50	150
MEH0359	--	200	N	15.0	1,500	1,000	300	30	2.0	20	100
MEH0372	--	300	N	20.0	1,500	700	300	30	1.5	15	70

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0304	1.50	1.00	20	20	N	10	300	N	N	1.000
GHA0295	1.50	1.00	30	20	N	15	500	N	N	1.000
JGF0305	.70	1.50	50	30	N	20	300	N	N	.700
RLT0139	.70	.70	50	20	N	10	300	N	N	.500
JGF0299	1.00	1.00	30	30	N	15	300	N	N	.500
LCH0173	1.50	1.50	20	20	N	20	200	N	N	>1.000
JGF0295	1.50	1.50	30	30	N	15	300	N	N	.700
JGF0290	1.00	1.50	30	30	N	15	300	N	N	1.000
JGF0267	.70	.70	100	50	N	10	300	150	N	.500
MEH0355	3.00	1.50	50	20	N	10	200	N	N	.300
MEH0369	1.50	1.50	70	20	N	15	700	N	N	>1.000
JGF0353	2.00	2.00	50	30	N	15	200	N	N	.500
GHA0338	1.00	.70	N	30	N	20	1,000	N	30	>1.000
JGF0350	1.50	2.00	20	20	N	15	700	N	N	.700
MEH0394	2.00	1.50	30	20	N	20	200	N	20	>1.000
MEH0385	2.00	1.50	50	30	N	20	300	N	N	.700
MEH0412	1.50	1.00	50	30	N	15	1,000	N	<20	>1.000
MEH0375	1.50	1.50	20	20	N	20	300	N	<20	1.000
MEH0406	1.00	1.00	30	30	N	20	700	N	N	1.000
MEH0381	2.00	1.50	20	15	N	10	150	N	N	.300
MEH0371	2.00	1.50	20	30	N	20	200	N	N	1.000
LCH0209	.70	1.50	50	30	N	15	200	N	N	1.000
RLT0211	1.00	1.00	50	30	N	15	300	N	N	.700
LCH0215	1.50	1.50	20	15	N	20	100	N	<20	.700
MEH0408	.70	1.50	30	15	N	15	200	N	N	.700
LCH0206	.30	.70	50	20	N	5	200	N	N	.200
JGF0347	1.50	1.50	30	20	N	15	300	N	N	.500
LCH0221	2.00	1.50	20	15	N	20	200	N	30	>1.000
MEH0390	2.00	1.50	30	15	N	15	300	N	N	.500
JGF0356	2.00	2.00	20	20	N	20	200	N	<20	.700
MEH0392	2.00	1.50	50	30	N	15	300	N	N	.700
RLT0208	2.00	1.00	50	20	N	15	300	N	<20	1.000
MEH0357	1.00	1.50	50	30	N	20	300	N	N	1.000
RLT0205	3.00	1.50	50	20	N	15	300	N	N	.700
MEH0365	3.00	2.00	50	20	N	15	500	N	N	.700
MEH0402	2.00	2.00	50	30	N	20	300	N	N	>1.000
MEH0387	3.00	2.00	50	20	N	15	200	N	N	.700
GHA0330	3.00	2.00	70	50	N	30	300	N	N	1.000
MEH0410	2.00	2.00	50	30	N	20	200	N	N	.700
LCH0203	2.00	1.50	50	50	N	15	200	N	N	.500
MEH0396	1.50	2.00	20	15	N	30	200	N	N	>1.000
RLT0214	1.50	1.00	30	30	N	30	200	N	N	>1.000
MEH0398	1.00	2.00	20	20	N	15	300	N	N	1.000
MEH0359	1.00	1.50	50	15	N	15	300	N	N	1.000
MEH0372	1.00	1.50	70	20	N	20	700	N	N	1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
LCH0218	30 34 22	109 59 24	50	N	50	50	50	N	N	.12	10
JGF0360	31 13 59	110 26 10	70	N	50	35	30	N	N	.04	10
RLT0220	30 40 38	110 1 34	70	N	50	170	100	N	N	.06	10
MEH0379	30 52 25	110 25 2	50	N	70	75	20	N	N	.04	20
JGF0363	31 13 48	110 26 12	50	N	30	30	50	N	N	.40	10
MEH0404	30 48 42	110 20 0	100	N	100	120	30	N	N	.04	30
MEH0383	30 51 39	110 23 41	100	N	100	100	50	N	N	.04	20
GHA0346	30 31 27	110 14 49	30	N	30	50	30	N	N	.14	10
RLT0202	30 45 40	110 3 30	30	N	50	75	30	N	N	.06	10
RLT0223	30 39 10	109 58 19	50	N	150	130	30	N	N	.12	20
RLT0217	30 41 9	110 1 29	70	N	50	70	30	N	N	.04	10
LCH0212	30 37 56	109 58 28	70	N	70	100	50	N	N	.06	10
MEH0363	30 57 1	110 26 52	50	N	70	55	20	N	N	.04	20
JGF0398	31 8 21	110 27 34	50	N	50	40	30	.5	N	.06	10
JGF0395	31 7 11	110 22 20	200	N	100	60	10	N	N	.16	30
GHA0361	30 52 21	110 9 35	70	N	70	110	30	N	N	.08	20
JGF0389	31 10 20	110 20 32	100	N	50	45	30	N	N	.08	10
ELM0273	31 14 0	110 4 1	70	N	30	45	7	N	N	.08	10
GHA0358	30 41 45	110 20 10	150	N	150	85	30	N	N	.06	40
GHA0336	30 51 12	110 22 17	70	N	150	140	30	N	N	.06	30
ELM0291	30 49 14	110 9 56	50	N	30	140	15	N	N	.22	30
GHA0349	30 32 0	110 14 50	70	N	30	50	70	N	N	.12	20
GHA0343	30 32 59	110 11 56	150	N	150	55	30	N	N	.06	20
ELM0298	30 52 25	110 8 48	50	N	150	230	20	N	N	.10	20
GHA0352	30 42 34	110 22 17	70	N	20	90	50	N	N	.10	40
JGF0372	31 12 14	110 21 44	70	N	150	25	20	1.0	N	.04	N
GHA0355	30 43 13	110 21 7	70	N	70	85	30	N	N	.08	30
ELM0275	31 16 10	110 5 42	70	N	50	40	10	N	N	.06	10
GHA0341	30 46 38	110 19 54	70	5	100	160	20	N	N	.04	40
GHA0333	30 54 8	110 22 32	100	N	70	95	30	N	N	.06	30
ELM0270	31 13 4	110 3 54	70	N	100	60	15	N	N	.06	N
ELM0301	30 52 16	110 8 24	100	N	200	180	50	N	N	.06	20
JGF0366	31 12 55	110 20 50	70	N	50	30	30	N	N	.06	10
ELM0266	31 9 59	110 2 14	30	N	100	25	10	N	N	.04	N
ELM0288	30 48 39	110 10 27	200	N	200	140	20	3.0	N	.14	40
ELM0295	30 52 13	110 9 32	300	5	150	370	30	N	N	.08	30
JGF0381	31 11 8	110 24 55	200	7	150	25	30	N	N	.10	<10
JGF0378	31 12 21	110 23 31	50	N	30	30	20	N	N	.08	<10
ELM0281	31 17 53	110 1 47	20	N	20	20	7	N	N	.04	N
ELM0294	30 50 49	110 10 48	150	N	150	400	20	N	N	.12	20
JGF0392	31 8 8	110 20 58	50	N	50	55	15	N	N	.06	20
JGF0386	31 10 6	110 24 15	100	N	30	40	50	N	N	.06	10
ELM0307	30 50 48	110 12 10	70	N	100	380	30	N	N	.06	40
ELM0304	30 50 54	110 11 58	700	N	2,000	6,600	5	30.0	.30	2.00	120
ELM0313	30 51 46	110 12 45	70	N	100	140	20	N	N	.06	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
LCH0218	--	200	N	15.0	1,500	1,000	1,000	10	2.0	100	200
JGF0360	--	200	N	10.0	1,500	700	700	15	2.0	30	50
RLT0220	--	1,000	N	>20.0	5,000	700	500	10	3.0	50	100
MEH0379	--	200	N	7.0	1,000	1,000	500	30	2.0	15	30
JGF0363	--	300	N	15.0	2,000	700	1,000	10	1.5	70	150
MEH0404	--	300	N	15.0	3,000	700	200	70	2.0	50	200
MEH0383	--	1,000	N	>20.0	5,000	500	150	30	1.0	30	500
GHA0346	--	150	N	7.0	1,500	700	1,000	10	2.0	70	150
RLT0202	--	200	N	10.0	2,000	700	300	20	2.0	50	150
RLT0223	--	150	N	7.0	1,500	700	500	30	3.0	20	15
RLT0217	--	200	N	10.0	1,500	1,000	1,000	20	2.0	20	20
LCH0212	--	500	N	20.0	2,000	700	500	15	2.0	30	150
MEH0363	--	200	N	10.0	1,500	500	300	150	1.5	15	50
JGF0398	--	200	N	10.0	1,000	700	1,000	20	2.0	30	50
JGF0395	--	150	N	5.0	700	500	200	30	3.0	20	30
GHA0361	--	200	N	7.0	1,500	1,000	500	50	2.0	30	50
JGF0389	--	200	N	10.0	1,500	1,000	1,000	15	2.0	30	100
ELM0273	--	100	N	5.0	1,000	700	150	30	1.5	10	30
GHA0358	--	200	N	7.0	2,000	700	500	70	2.0	30	100
GHA0336	--	200	N	10.0	2,000	700	300	50	2.0	15	20
ELM0291	--	150	N	7.0	1,000	700	300	50	2.0	20	100
GHA0349	--	500	N	20.0	2,000	700	500	15	2.0	70	700
GHA0343	--	300	N	15.0	2,000	1,000	500	30	2.0	30	100
ELM0298	--	200	N	10.0	1,500	1,000	300	30	2.0	15	70
GHA0352	--	300	N	15.0	1,500	700	1,000	15	2.0	50	100
JGF0372	--	300	N	10.0	1,500	700	300	50	2.0	15	50
GHA0355	--	300	N	15.0	1,000	700	300	30	2.0	15	50
ELM0275	--	100	N	5.0	700	300	150	50	2.0	20	30
GHA0341	--	150	N	5.0	1,500	700	300	50	2.0	20	30
GHA0333	--	300	N	10.0	2,000	700	500	50	2.0	30	150
ELM0270	--	300	N	15.0	1,500	700	200	50	1.0	20	70
ELM0301	--	500	N	20.0	2,000	700	300	20	2.0	70	300
JGF0366	--	200	N	7.0	1,000	700	1,000	15	2.0	70	200
ELM0266	--	150	N	7.0	500	500	150	30	2.0	15	20
ELM0288	--	200	N	10.0	2,000	1,000	150	50	2.0	20	30
ELM0295	--	200	N	15.0	1,500	1,000	300	30	2.0	30	30
JGF0381	--	200	N	10.0	1,000	1,000	300	30	2.0	20	20
JGF0378	--	150	N	10.0	700	700	500	20	1.0	20	30
ELM0281	--	70	N	3.0	500	300	150	50	2.0	10	20
ELM0294	--	150	N	7.0	1,500	700	200	30	3.0	30	30
JGF0392	--	150	N	5.0	700	500	200	30	2.0	20	20
JGF0386	--	500	N	20.0	1,000	500	700	15	1.5	70	200
ELM0307	--	150	N	7.0	1,500	700	200	50	3.0	30	15
ELM0304	--	100	N	5.0	1,000	1,000	100	30	1.5	15	15
ELM0313	--	200	N	7.0	1,500	1,000	300	50	3.0	20	70

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
LCHO218	7.00	3.00	50	30	N	30	200	N	N	1.000
JGFO360	2.00	2.00	50	30	N	20	200	N	N	.700
RLTO220	1.50	1.50	20	15	N	30	200	N	N	>1.000
MENO379	2.00	1.50	20	30	N	15	200	N	N	.500
JGFO363	5.00	5.00	50	30	N	30	200	N	N	1.000
MENO404	1.00	1.00	30	20	N	20	300	N	N	>1.000
MENO383	1.50	1.00	20	30	N	20	>1,000	N	N	>1.000
GHAO346	5.00	3.00	50	20	N	30	200	N	N	.700
RLTO202	1.00	1.50	50	30	N	20	200	N	N	.700
RLTO223	2.00	2.00	50	30	N	20	300	N	N	.700
RLTO217	3.00	2.00	50	30	N	20	200	N	N	1.000
LCHO212	3.00	1.50	30	50	N	30	300	N	<20	>1.000
MENO383	2.00	.70	70	50	N	20	700	N	N	1.000
JGFO398	3.00	2.00	70	30	N	20	300	N	N	.700
JGFO395	2.00	1.50	50	20	N	15	200	N	N	.500
GHAO361	1.50	1.50	50	20	N	20	200	N	N	.700
JGFO389	3.00	3.00	50	30	N	20	300	N	N	1.000
ELMO273	.70	1.50	20	20	N	15	300	N	N	.500
GHAO358	3.00	2.00	50	30	N	30	200	N	N	.700
GHAO336	2.00	1.50	20	20	N	15	300	N	N	.700
ELMO291	3.00	1.50	30	30	N	15	300	N	N	.700
GHAO349	5.00	3.00	50	30	N	30	700	N	<20	>1.000
GHAO343	1.50	2.00	50	50	N	20	500	N	N	1.000
ELMO298	5.00	2.00	70	20	N	15	300	N	N	.700
GHAO352	5.00	5.00	50	20	N	20	200	N	N	1.000
JGFO372	2.00	1.50	30	15	N	15	300	N	N	1.000
GHAO355	1.50	1.50	20	20	N	15	500	N	N	>1.000
ELMO275	2.00	1.00	50	20	N	10	200	N	N	.300
GHAO341	1.00	1.50	50	20	N	15	300	N	N	.700
GHAO333	3.00	2.00	50	30	N	30	300	N	20	>1.000
ELMO270	1.50	1.50	50	30	N	20	500	N	<20	1.000
ELMO301	1.50	1.50	30	15	N	20	300	N	N	>1.000
JGFO366	5.00	3.00	50	30	N	30	200	N	N	.700
ELMO266	.50	.70	50	30	N	10	700	N	N	.500
ELMO288	.70	1.00	30	20	N	15	300	N	N	.700
ELMO295	1.00	1.50	30	15	N	15	300	N	N	.700
JGFO331	1.00	1.00	50	20	N	20	200	N	N	.700
JGFO378	2.00	2.00	50	15	N	15	200	N	N	.500
ELMO281	.20	.50	20	50	N	7	300	N	N	.300
ELMO294	.30	1.00	30	20	N	15	700	N	N	.500
JGFO392	.50	1.00	50	20	N	15	300	N	N	.500
JGFO386	2.00	2.00	50	20	N	20	300	N	N	>1.000
ELMO307	.50	1.50	50	30	N	20	300	N	N	.700
ELMO304	.30	1.50	20	10	N	7	500	N	N	.500
ELMO313	1.00	1.50	50	20	N	20	500	N	N	1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
GHA0364	30 52 34	110 9 12	150	5	100	180	20	N	N	.06	10
JGF0383	31 10 52	110 24 59	100	N	70	35	30	N	N	.20	10
JGF0369	31 12 30	110 21 23	50	N	30	25	30	N	N	.06	10
ELM0286	30 48 13	110 10 46	70	N	200	140	20	1.0	N	.06	40
ELM0279	31 17 59	110 4 29	30	N	30	25	10	N	N	.02	N
JGF0375	31 12 25	110 23 10	100	N	50	40	50	N	N	.04	<10
ELM0309	30 51 32	110 12 51	70	N	100	240	30	N	N	.04	20
ELM0283	30 46 25	110 10 0	50	N	100	75	50	N	N	.06	20
ELM0268	31 12 23	110 3 14	20	N	50	35	15	N	N	.04	N
ELM0277	31 18 14	110 4 52	50	N	50	35	15	N	N	.06	10
JGF0359	31 14 15	110 23 4	50	N	30	25	30	N	N	.04	<10
JGF0401	30 37 15	110 15 19	50	N	70	75	50	N	N	.14	30
JGF0409	30 34 32	110 17 55	30	N	30	55	10	.5	N	.08	20
JGF0406	30 35 26	110 19 49	30	N	50	45	20	N	N	.06	30
JGF0402	30 37 51	110 18 44	30	N	70	60	15	N	N	.14	20
JGF0404	30 37 28	110 18 50	50	N	100	60	30	N	N	.06	30
JGF0411	30 34 54	110 18 42	20	N	15	40	15	N	N	.06	20
JGF0413	30 35 12	110 19 33	50	N	30	40	20	N	N	.12	20
ELM0314	30 54 6	110 50 0	15	N	50	30	7	N	.05	.04	10
ELM0346	31 9 15	110 56 54	30	5	70	60	15	N	N	.04	<10
ELM0340	30 52 50	110 42 42	30	N	70	65	10	N	N	.10	20
LCH0257	30 59 32	111 20 47	50	N	50	45	30	N	N	.04	10
LCH0233	30 54 30	111 11 56	20	N	70	50	10	N	N	.02	10
RLT0232	30 59 0	111 0 20	20	N	50	25	5	N	N	.06	10
LCH0242	30 54 5	111 8 4	20	N	70	20	7	N	N	.04	10
RLT0235	30 59 27	111 0 55	150	N	100	110	15	N	N	.12	20
LCH0230	30 54 30	111 12 19	20	N	50	45	15	N	N	.04	10
ELM0328	30 52 49	110 40 12	50	N	50	75	30	N	N	.08	10
LCH0239	30 53 55	111 7 49	20	5	50	25	7	N	N	.02	10
ELM0344	30 56 38	110 51 20	15	N	70	35	7	N	N	.02	30
ELM0333	30 53 10	110 37 56	50	N	70	40	10	N	N	.14	20
LCH0248	30 56 45	111 18 49	30	N	50	40	15	N	N	<.02	10
LCH0254	30 58 3	111 19 33	30	7	100	55	20	N	N	.02	10
ELM0319	30 52 4	110 49 17	10	N	50	25	10	N	N	.02	10
LCH0236	30 52 14	111 8 32	20	N	50	30	10	N	N	.04	<10
LCH0245	30 54 5	111 8 11	20	N	70	25	7	N	N	.04	10
ELM0322	30 50 35	110 49 4	20	N	50	25	7	N	N	.10	10
LCH0251	30 56 53	111 19 24	30	N	50	20	10	N	N	.04	<10
ELM0342	30 55 55	110 51 17	20	N	50	45	10	N	N	.08	10
ELM0336	30 54 1	110 37 4	30	N	100	40	15	N	N	.08	20
ELM0338	30 55 18	110 36 35	50	N	70	50	20	N	N	.08	10
RLT0250	31 1 54	111 2 23	30	N	100	40	5	N	N	.10	10
ELM0331	30 52 52	110 38 21	30	N	70	75	10	N	N	.10	20
RLT0226	30 52 10	110 51 28	15	N	50	30	10	N	N	.02	10
LCH0227	30 52 35	110 51 35	20	N	50	40	10	N	N	.04	<10

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GHA0364	--	200	N	10.0	1,500	1,500	500	70	2.0	20	50
JGF0383	--	200	N	10.0	1,500	1,000	1,000	30	2.0	30	70
JGF0369	--	200	N	10.0	1,000	700	1,000	20	2.0	50	70
ELM0286	--	200	N	7.0	2,000	1,000	300	50	3.0	20	50
ELM0279	--	150	N	7.0	500	300	150	30	1.5	15	70
JGF0375	--	300	N	15.0	1,500	1,000	1,500	15	2.0	50	150
ELM0309	--	200	N	10.0	1,500	500	300	30	2.0	30	100
ELM0283	--	300	N	15.0	1,500	700	300	20	2.0	30	100
ELM0268	--	200	N	10.0	700	300	100	30	2.0	15	30
ELM0277	--	100	N	5.0	700	300	100	30	1.5	15	20
JGF0359	--	150	N	7.0	1,500	1,000	1,000	20	2.0	50	70
JGF0401	--	200	N	20.0	2,000	1,000	700	50	2.0	50	150
JGF0409	--	150	N	7.0	1,000	700	300	50	2.0	15	50
JGF0406	--	500	N	15.0	1,000	700	200	30	2.0	15	100
JGF0402	--	100	N	5.0	1,000	700	300	50	1.5	20	100
JGF0404	--	200	N	10.0	1,500	700	500	70	2.0	30	100
JGF0411	--	200	N	10.0	1,000	700	200	30	N	15	70
JGF0413	--	200	N	10.0	1,000	500	200	50	1.5	20	70
ELM0314	--	70	N	7.0	1,000	700	150	70	2.0	10	30
ELM0346	--	150	N	10.0	1,500	700	150	50	3.0	15	20
ELM0340	--	100	N	5.0	1,000	700	150	70	2.0	15	30
LCH0257	--	300	N	20.0	1,500	500	300	100	3.0	70	150
LCH0233	--	100	N	7.0	1,000	700	200	70	2.0	15	30
RLT0232	--	50	N	5.0	1,000	500	100	100	3.0	7	10
LCH0242	--	100	N	7.0	1,500	700	150	150	2.0	5	15
RLT0235	--	70	N	7.0	5,000	700	100	150	3.0	20	30
LCH0230	--	150	N	7.0	1,000	700	300	70	3.0	20	50
ELM0328	--	200	N	10.0	1,500	700	500	30	2.0	20	30
LCH0239	--	70	N	5.0	1,000	700	150	200	3.0	10	30
ELM0344	--	50	N	5.0	1,500	700	100	50	2.0	7	10
ELM0333	--	70	N	5.0	1,000	500	150	50	2.0	15	15
LCH0248	--	100	N	5.0	1,000	500	300	70	2.0	30	50
LCH0254	--	200	N	15.0	2,000	500	200	30	2.0	15	100
ELM0319	--	50	N	3.0	700	500	150	70	2.0	10	10
LCH0236	--	70	N	7.0	700	500	150	300	3.0	5	10
LCH0245	--	70	N	5.0	700	500	150	100	1.5	5	15
ELM0322	--	100	N	7.0	1,000	700	150	70	2.0	10	20
LCH0251	--	150	N	5.0	1,500	700	300	70	2.0	20	50
ELM0342	--	70	N	5.0	1,500	500	150	200	3.0	15	15
ELM0336	--	200	N	10.0	1,500	500	150	50	3.0	10	20
ELM0338	--	150	N	10.0	1,500	700	200	100	3.0	20	30
RLT0250	--	30	N	5.0	2,000	500	100	500	3.0	15	10
ELM0331	--	100	N	5.0	700	700	150	50	2.0	15	30
RLT0226	--	100	N	7.0	500	700	150	100	2.0	15	20
LCH0227	--	150	N	7.0	700	700	200	100	3.0	10	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0364	2.00	1.50	50	15	N	15	150	N	N	.700
JGF0383	3.00	2.00	50	20	N	20	300	N	N	1.000
JGF0369	3.00	2.00	50	20	N	15	200	N	N	.500
ELM0286	.70	1.00	30	30	N	15	700	N	N	.700
ELM0279	.50	.70	20	20	N	10	300	N	N	.700
JGF0375	5.00	3.00	30	50	N	30	200	N	N	>1.000
ELM0309	1.00	1.50	30	20	N	20	300	N	N	1.000
ELM0283	2.00	1.50	50	50	N	20	700	N	N	>1.000
ELM0288	.50	1.00	30	30	N	15	300	N	N	.700
ELM0277	1.00	1.00	20	20	N	10	300	N	N	.500
JGF0359	3.00	2.00	50	30	N	20	300	N	N	.700
JGF0401	10.00	2.00	70	50	N	20	300	N	N	>1.000
JGF0409	3.00	2.00	20	15	N	15	200	N	N	.700
JGF0406	2.00	1.50	50	20	N	20	500	N	N	>1.000
JGF0402	7.00	2.00	N	10	N	10	200	N	N	.300
JGF0404	5.00	2.00	30	20	N	15	300	N	N	.700
JGF0411	3.00	2.00	N	15	N	15	300	N	N	.700
JGF0413	3.00	1.50	20	20	N	20	300	N	N	1.000
ELM0314	.70	.70	30	50	N	7	300	N	N	.300
ELM0346	.50	1.00	70	70	<100	15	>1,000	N	20	.700
ELM0340	.70	1.00	50	30	N	10	200	N	N	.500
LCH0257	3.00	2.00	50	50	N	30	500	N	<20	>1.000
LCH0233	1.00	1.00	50	20	N	10	200	N	N	.500
RLT0232	.15	.50	50	50	150	5	500	N	N	.300
LCH0242	.70	.50	100	30	N	10	100	N	N	.500
RLT0235	.30	1.00	100	70	N	15	300	N	N	.500
LCH0230	1.50	1.50	20	30	N	15	300	N	N	.500
ELM0328	1.50	2.00	50	20	N	20	300	N	N	.700
LCH0239	.50	.70	50	30	N	10	500	N	N	.300
ELM0344	.20	.50	50	50	N	10	500	N	N	.300
ELM0333	.30	1.00	50	20	N	7	300	N	N	.300
LCH0248	1.50	1.50	30	30	N	10	300	N	N	.500
LCH0254	1.00	.70	70	30	N	15	500	N	30	.700
ELM0319	.50	.50	30	30	N	5	300	N	N	.300
LCH0236	.50	.50	70	30	N	7	1,000	N	N	.200
LCH0245	.30	.50	50	30	N	7	500	N	N	.300
ELM0322	.30	.70	50	30	N	10	>1,000	N	<20	.700
LCH0251	1.00	.70	50	30	N	15	500	N	<20	.500
ELM0342	.30	1.00	50	30	N	10	300	N	N	.300
ELM0336	.50	1.00	50	30	N	10	700	N	<20	1.000
ELM0338	1.00	1.50	50	30	N	15	300	N	N	.700
RLT0250	.20	.70	70	50	N	7	500	N	N	.300
ELM0331	.50	1.00	50	20	N	10	300	N	N	.500
RLT0226	.70	.70	50	30	N	7	300	N	N	.300
LCH0227	1.50	1.00	70	50	N	15	700	N	<20	.500

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
LCH0224	30 53 59	110 53 3	50	N	50	35	15	N	.10	.10	10
ELM0316	30 51 35	110 49 25	15	N	50	25	7	N	N	.04	20
ELM0325	30 49 51	110 47 28	20	N	70	35	10	N	N	.06	20
RLT0247	31 1 51	111 2 15	15	N	70	50	10	N	N	.06	10
RLT0244	31 1 35	111 2 6	30	N	100	35	10	N	N	.04	10
RLT0238	30 59 37	111 0 49	15	N	70	20	5	N	N	.04	10
RLT0241	31 0 57	111 1 28	30	N	100	55	15	N	N	.06	10
RLT0229	31 2 2	111 3 55	100	7	100	95	15	N	N	.04	20
ELM0348	30 57 10	110 36 1	70	N	50	35	30	N	N	.02	10
ELM0350	30 59 27	110 35 36	30	N	70	30	20	N	N	.06	20
ELM0352	30 59 40	110 35 29	50	N	50	50	20	N	N	.04	10
JGF0571	30 27 6	110 11 42	15	N	30	45	20	N	N	.08	40
MEH0577	30 37 57	110 35 17	15	N	30	50	10	N	N	.02	20
RLT0616	30 25 43	110 20 9	15	N	15	95	10	N	N	.08	40
MEH0594	30 42 14	110 41 21	10	N	30	50	7	.5	N	.06	30
ELM0360	31 6 9	109 45 49	15	N	30	45	10	N	N	.02	<10
ELM0368	31 2 10	109 45 27	15	N	30	35	5	N	N	.04	N
ELM0356	31 7 36	109 45 50	10	N	20	35	5	N	N	.04	30
MEH0568	30 39 7	110 33 11	20	N	50	65	10	.5	N	.12	60
MEH0560	30 28 12	110 37 48	20	N	50	50	10	.5	N	.06	30
ELM0358	31 6 33	109 45 51	15	N	15	35	5	N	N	.04	10
ELM0372	31 7 45	109 46 0	15	N	30	35	10	N	N	.04	<10
ELM0362	31 4 46	109 45 51	10	N	20	40	N	N	N	.04	<10
MEH0579	30 38 46	110 37 45	15	N	20	50	10	N	N	.04	20
RLT0662	30 26 25	110 2 27	20	N	30	45	30	N	N	.08	20
RLT0670	30 24 37	110 3 26	15	N	30	50	20	N	N	.08	30
RLT0646	30 25 52	110 11 28	15	N	30	55	20	N	N	.12	40
JGF0588	30 21 59	110 21 9	15	N	50	70	20	.5	.10	.35	40
MEH0562	30 33 11	110 39 23	20	N	20	65	30	N	N	<.02	N
RLT0597	30 42 34	110 22 17	20	N	50	65	20	N	N	.04	30
MEH0566	30 39 51	110 32 30	15	N	50	70	20	N	N	.10	40
MEH0575	30 38 13	110 34 39	20	N	50	55	20	N	N	.08	30
RLT0632	30 32 0	110 14 50	15	N	20	45	20	N	N	.06	20
JGF0596	30 11 29	110 14 27	15	N	30	35	15	N	N	.04	30
RLT0706	30 16 12	109 57 18	15	N	20	30	10	N	N	.02	40
RLT0676	30 23 47	110 4 8	15	N	20	45	10	N	N	.06	10
ELM0370	31 1 38	109 45 30	10	N	20	30	N	N	N	.04	N
JGF0573	30 23 58	110 9 48	30	N	20	55	50	N	N	.16	20
RLT0686	30 21 25	110 6 21	15	N	30	70	15	N	N	.04	40
JGF0553	30 24 39	110 10 24	20	N	30	55	20	N	N	.06	40
JGF0602	30 17 21	110 10 36	20	N	15	45	30	N	N	.06	30
JGF0575	30 24 0	110 9 36	20	N	30	50	20	N	N	.02	30
RLT0708	30 17 12	109 57 5	15	N	30	50	15	N	N	.02	20
RLT0684	30 21 37	110 6 0	20	N	30	35	30	N	N	.02	20
JGF0592	30 16 21	110 13 21	20	N	20	50	20	N	N	.04	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
LCH0224	--	300	N	>20.0	3,000	700	200	50	1.5	7	50
ELM0316	--	100	N	7.0	1,000	500	150	70	2.0	10	10
ELM0325	--	100	N	5.0	700	700	150	50	2.0	15	20
RLT0247	--	100	N	5.0	700	500	150	50	2.0	15	30
RLT0244	--	70	N	3.0	1,500	700	200	50	2.0	15	15
RLT0238	--	30	N	2.0	500	700	100	70	2.0	10	10
RLT0241	--	100	N	5.0	1,500	500	300	50	2.0	15	20
RLT0229	--	100	N	7.0	1,500	500	150	100	3.0	10	15
ELM0348	--	300	N	15.0	1,500	300	300	30	2.0	20	100
ELM0350	--	150	N	7.0	1,000	700	300	70	2.0	15	30
ELM0352	--	300	N	10.0	1,000	500	300	100	2.0	15	70
JGF0571	--	200	N	5.0	700	700	500	70	<1.0	70	100
MEH0577	--	150	N	5.0	700	700	200	70	1.0	30	50
RLT0616	--	200	N	3.0	500	700	300	150	1.0	15	15
MEH0594	--	100	N	3.0	500	700	150	100	<1.0	30	70
ELM0360	--	100	N	3.0	500	700	100	50	1.5	20	20
ELM0368	--	70	N	2.0	500	300	100	20	1.5	15	30
ELM0356	--	100	N	5.0	700	1,500	200	20	1.0	N	30
MEH0568	--	300	N	7.0	700	700	200	100	<1.0	N	100
MEH0560	--	300	N	5.0	1,000	700	300	150	<1.0	N	100
ELM0358	--	100	N	3.0	700	2,000	200	15	<1.0	N	70
ELM0372	--	100	N	3.0	500	1,000	150	20	<1.0	N	50
ELM0362	--	70	N	2.0	500	700	150	15	1.0	N	20
MEH0579	--	150	N	3.0	500	700	100	70	1.0	30	70
RLT0662	--	200	N	5.0	500	1,500	1,000	15	1.0	70	150
RLT0670	--	200	N	5.0	1,000	1,000	500	100	1.0	20	70
RLT0646	--	200	N	5.0	700	700	300	100	1.0	15	30
JGF0588	--	150	N	5.0	1,000	1,000	300	150	1.5	30	50
MEH0562	--	300	N	7.0	700	700	500	50	1.0	70	200
RLT0597	--	300	N	7.0	1,000	1,000	300	100	1.0	20	100
MEH0566	--	150	N	5.0	700	1,000	200	100	1.0	30	70
MEH0575	--	150	N	7.0	1,000	700	150	150	1.0	30	70
RLT0632	--	150	N	5.0	500	700	300	70	1.0	30	100
JGF0596	--	200	N	5.0	1,000	1,000	1,000	70	1.0	30	100
RLT0706	--	150	N	5.0	700	700	500	100	1.0	15	30
RLT0676	--	200	N	7.0	700	1,000	200	150	1.0	20	50
ELM0370	--	70	N	2.0	500	300	100	10	1.0	10	30
JGF0573	--	500	N	15.0	700	1,000	300	100	N	100	300
RLT0686	--	300	N	7.0	1,500	700	300	30	<1.0	15	30
JGF0553	--	200	N	7.0	1,000	1,000	500	30	<1.0	50	50
JGF0602	--	200	N	7.0	1,000	1,000	500	50	<1.0	50	150
JGF0575	--	300	N	5.0	700	700	500	50	<1.0	50	200
RLT0708	--	300	N	7.0	700	500	200	70	<1.0	20	50
RLT0684	--	300	N	7.0	500	1,000	700	30	N	70	200
JGF0592	--	200	N	5.0	700	1,000	700	20	<1.0	30	150

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
LCHC224	2.00	1.50	300	100	<100	15	>1,000	N	20	>1.000
ELM0315	.20	.50	30	20	N	7	>1,000	N	<20	.700
ELM0325	1.00	1.00	30	20	N	7	300	N	N	.500
RLT0247	1.00	1.00	20	20	N	10	700	N	N	.500
RLT0244	.70	.70	30	20	N	7	300	N	N	.300
RLT0238	.30	.50	20	10	N	5	300	N	N	.200
RLT0241	1.50	1.00	30	20	N	15	300	N	N	.300
RLT0229	.50	1.00	70	50	N	10	>1,000	N	N	.500
ELM0348	3.00	2.00	50	50	N	30	500	N	N	1.000
ELM0350	2.00	1.50	30	30	N	15	300	N	N	.500
ELM0352	1.50	1.50	100	30	N	15	100	N	N	1.000
JGF0571	2.00	1.00	30	30	N	20	300	N	N	.500
MEH0577	3.00	1.00	50	30	N	15	200	N	N	.500
RLT0616	.50	.50	30	20	N	15	150	N	N	.700
MEH0594	2.00	.50	50	20	N	10	300	N	N	.500
ELM0360	1.00	.50	30	20	N	10	300	N	N	.300
ELM0368	10.00	.50	50	30	N	7	300	N	N	.300
ELM0356	1.00	.30	20	20	N	5	500	N	N	.500
MEH0568	1.00	.50	20	20	N	10	300	N	N	1.000
MEH0560	1.00	.70	70	30	N	15	300	N	N	1.000
ELM0358	1.00	.30	30	20	N	7	300	N	N	.300
ELM0372	1.00	.30	30	20	N	7	300	N	N	.300
ELM0362	.70	.50	50	20	N	5	150	N	N	.200
MEH0579	.50	.50	20	20	N	15	300	N	N	.300
RLT0662	1.50	.70	70	20	N	15	150	N	N	.500
RLT0670	2.00	.70	50	30	N	15	200	N	N	.500
RLT0646	1.00	.70	50	20	N	10	150	N	N	.500
JGF0588	.70	.70	50	20	N	10	150	N	N	.300
MEH0562	15.00	.70	50	50	N	15	500	N	N	.700
RLT0597	1.00	.50	20	20	N	10	150	N	N	.700
MEH0566	1.00	.50	30	30	N	10	200	N	N	.500
MEH0575	1.00	.50	50	30	N	15	200	N	N	.500
RLT0632	1.50	.70	50	30	N	15	150	N	N	.300
JGF0596	2.00	.70	50	30	N	10	300	N	N	.700
RLT0706	1.00	.70	30	30	N	10	200	N	N	.500
RLT0676	5.00	.70	50	30	N	10	200	N	N	.500
ELM0370	7.00	.70	20	30	N	5	200	N	N	.300
JGF0573	1.00	.70	N	30	N	15	200	10	N	1.000
RLT0686	1.50	.70	50	30	N	10	150	N	N	.700
JGF0553	1.50	.70	50	20	N	10	200	N	N	.700
JGF0602	2.00	1.00	30	30	N	15	200	N	N	1.000
JGF0575	2.00	.70	30	20	N	10	150	N	N	.700
RLT0708	1.00	.70	20	20	N	10	200	N	N	1.000
RLT0684	1.50	1.00	50	50	N	10	200	N	N	1.000
JGF0592	1.50	1.00	50	30	N	15	200	N	N	1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
RLT0722	30 20 56	110 2 0	15	N	20	40	20	N	N	.10	30
RLT0644	30 27 6	110 11 57	20	N	200	85	15	N	N	.08	30
JGF0567	30 31 9	110 10 22	20	N	50	65	15	N	N	.02	20
RLT0603	30 24 48	110 15 30	20	N	20	70	20	N	N	.10	40
RLT0720	30 21 0	110 2 17	15	N	20	40	20	N	N	.10	40
JGF0577	30 24 36	110 9 48	100	10	150	750	20	.7	N	.02	30
JGF0606	30 13 59	110 10 30	50	N	15	50	30	2.0	N	.20	20
JGF0609	30 14 6	110 12 48	20	N	20	55	20	N	N	.04	10
RLT0702	30 18 52	109 57 10	10	N	30	60	15	N	<.05	.06	20
JGF0594	30 14 10	110 13 51	15	N	50	60	20	N	N	.10	30
JGF0580	30 19 53	110 11 42	20	N	70	65	15	N	N	.10	20
RLT0601	30 41 45	110 20 10	20	N	70	75	15	N	N	.02	20
RLT0718	30 20 49	109 59 24	15	N	30	40	10	N	N	.06	N
RLT0700	30 16 59	109 57 20	15	N	30	40	20	N	N	.02	20
RLT0696	30 13 3	109 58 8	20	N	30	45	20	N	N	.04	40
ELM0538	30 22 12	110 39 27	50	N	50	85	15	N	1.50	.10	10
RLT0612	30 24 7	110 18 39	20	N	30	45	20	N	N	.30	40
RLT0626	30 33 41	110 19 39	20	N	30	45	15	N	N	.10	20
JGF0604	30 18 53	110 10 30	15	N	70	75	20	N	N	.12	30
JGF0556	30 24 40	110 10 6	30	N	70	110	70	N	N	.10	40
JGF0584	30 18 9	110 13 3	30	N	50	55	50	N	N	.08	30
JGF0600	30 11 29	110 13 57	30	N	50	55	70	N	N	.10	20
RLT0620	30 23 49	110 12 39	20	N	70	80	20	N	N	.10	40
JGF0598	30 13 11	110 15 54	15	N	30	40	20	N	N	.10	40
RLT0656	30 27 51	110 1 36	20	N	50	40	20	N	N	.06	20
RLT0630	30 32 48	110 17 9	15	N	50	30	30	N	N	.04	30
RLT0672	30 23 46	110 3 18	15	N	30	35	15	N	<.05	.08	20
RLT0668	30 25 8	110 3 18	20	N	50	40	20	N	N	.06	20
RLT0666	30 24 52	110 2 48	15	N	30	40	20	N	N	.06	30
RLT0678	30 22 30	110 3 36	15	N	30	40	20	N	N	.08	40
JGF0569	30 30 55	110 8 52	30	N	30	65	70	N	N	.14	40
RLT0692	30 20 42	110 8 32	15	N	30	40	20	N	N	.08	40
JGF0586	30 19 10	110 16 6	20	N	70	80	20	1.0	N	.08	80
RLT0603	30 24 48	110 15 30	20	N	30	70	20	N	N	.16	60
RLT0636	30 28 48	110 12 18	15	N	20	45	20	N	N	.10	10
RLT0605	30 26 4	110 16 27	15	N	20	65	20	N	N	.16	30
RLT0658	30 29 10	110 1 33	20	N	30	45	30	N	N	.06	10
RLT0654	30 27 23	110 1 0	20	N	50	70	30	N	.05	.06	10
JGF0582	30 19 58	110 12 6	20	N	30	50	50	N	N	.04	20
RLT0628	30 32 52	110 18 30	15	N	30	50	15	N	N	.08	20
RLT0624	30 33 35	110 20 37	20	N	20	45	20	N	N	.04	30
JGF0561	30 28 28	110 9 27	30	N	50	50	50	N	N	.02	20
JGF0565	30 29 11	110 9 36	20	N	30	60	30	N	N	.02	20
RLT0650	30 28 11	110 0 48	20	N	30	50	20	N	N	.04	20
RLT0610	30 24 50	110 16 27	20	N	30	70	20	N	N	.06	30

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
PLT0722	--	200	N	5.0	700	1,000	500	100	1.0	50	150
RLT0644	--	150	N	3.0	700	1,000	500	150	1.0	30	70
JGF0567	--	200	N	5.0	1,000	1,000	500	70	1.0	30	100
RLT0603	--	200	N	5.0	500	700	300	50	<1.0	30	70
RLT0720	--	150	N	5.0	700	1,000	700	100	<1.0	50	200
JGF0577	--	200	N	7.0	1,000	700	500	100	1.0	20	50
JGF0636	--	200	N	7.0	700	1,000	500	100	1.0	30	100
JGF0609	--	200	N	5.0	700	1,000	700	70	1.0	30	70
RLT0702	--	150	N	5.0	700	1,000	200	100	1.0	15	30
JGF0594	--	200	N	5.0	1,000	1,000	300	100	1.0	20	70
JGF0580	--	200	N	5.0	1,000	700	1,500	150	1.0	30	50
RLT0601	--	150	N	3.0	1,000	1,000	700	100	1.0	30	50
RLT0718	--	100	N	3.0	700	700	200	100	1.0	15	50
RLT0700	--	200	N	5.0	700	700	500	70	1.0	30	70
RLT0696	--	200	N	5.0	700	700	700	70	1.0	30	70
ELM0538	--	300	N	7.0	700	700	300	70	1.0	50	100
RLT0612	--	200	N	7.0	500	1,000	500	100	1.0	30	50
RLT0626	--	200	N	5.0	700	1,000	200	100	1.0	20	100
JGF0604	--	150	N	5.0	700	1,000	700	100	1.0	30	100
JGF0556	--	500	N	15.0	1,500	2,000	500	50	<1.0	30	50
JGF0584	--	500	N	15.0	1,000	1,500	700	100	<1.0	50	200
JGF0600	--	500	N	15.0	1,000	700	500	100	<1.0	70	300
RLT0620	--	300	N	7.0	1,000	1,000	300	200	1.0	15	20
JGF0598	--	150	N	3.0	500	1,000	1,000	70	1.0	20	100
RLT0656	--	300	N	7.0	700	700	500	70	1.0	20	100
RLT0630	--	300	N	7.0	700	1,000	300	70	1.0	30	100
RLT0672	--	200	N	5.0	700	1,000	700	70	1.0	15	30
RLT0668	--	200	N	7.0	500	1,000	700	70	1.0	50	100
RLT0666	--	200	N	7.0	700	1,000	500	70	1.0	20	50
RLT0678	--	200	N	5.0	700	1,500	700	100	1.0	50	100
JGF0569	--	500	N	20.0	1,000	1,500	300	100	<1.0	100	500
RLT0692	--	150	N	7.0	500	1,000	500	100	1.0	30	70
JGF0586	--	200	N	5.0	1,000	700	500	200	1.0	30	30
RLT0603	--	150	N	3.0	700	700	500	150	1.0	30	30
RLT0636	--	150	N	5.0	500	700	500	50	<1.0	50	200
RLT0605	--	200	N	5.0	700	1,000	300	150	1.0	30	50
RLT0658	--	200	N	5.0	500	1,000	1,000	20	1.0	70	70
RLT0654	--	300	N	7.0	700	1,000	700	50	<1.0	50	100
JGF0582	--	300	N	7.0	700	700	700	30	<1.0	50	150
PLT0628	--	150	N	3.0	500	700	300	100	1.0	30	30
RLT0624	--	300	N	7.0	700	700	300	100	<1.0	30	50
JGF0561	--	500	N	10.0	700	700	500	70	<1.0	100	700
JGF0565	--	300	N	7.0	500	700	500	70	<1.0	70	300
RLT0650	--	200	N	5.0	700	1,000	1,000	50	1.0	30	50
RLT0610	--	200	N	5.0	500	1,000	200	150	1.0	30	50

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLT0722	1.50	.70	30	30	N	10	200	N	N	.700
RLT0644	1.00	.70	30	20	N	10	100	N	N	.500
JGF0567	2.00	.70	50	20	N	10	200	N	N	1.000
RLT0603	2.00	.70	50	30	N	15	200	N	N	.500
RLT0720	1.50	.70	30	30	N	10	200	N	N	.500
JGF0577	2.00	.70	50	30	N	10	150	N	N	.500
JGF0606	1.50	.70	50	30	N	15	200	N	N	.700
JGF0609	1.50	.70	50	30	N	10	200	N	N	.700
RLT0702	1.00	.50	50	20	N	10	200	N	N	.500
JGF0594	1.00	.70	70	30	N	10	200	N	N	.500
JGF0580	2.00	1.00	50	30	N	15	300	N	N	.700
RLT0601	3.00	1.00	30	20	N	10	150	N	N	.500
RLT0718	1.00	.50	30	20	N	7	200	N	N	.500
RLT0700	1.00	.70	50	50	N	10	200	N	N	.700
RLT0696	2.00	.70	30	20	N	15	150	N	N	.700
ELM0538	2.00	.70	50	30	N	10	300	N	N	.700
RLT0612	1.00	.70	50	30	N	15	300	N	N	.700
RLT0626	2.00	.70	30	20	N	10	150	N	N	.700
JGF0604	3.00	.70	50	30	N	15	200	N	N	.700
JGF0556	1.50	.30	50	50	N	10	300	20	N	1.000
JGF0584	2.00	.70	70	50	N	15	300	15	N	>1.000
JGF0600	1.50	.70	70	50	N	20	150	20	N	>1.000
RLT0620	1.50	.70	50	30	N	15	150	N	N	.700
JGF0598	2.00	.70	30	50	N	15	200	N	N	.500
RLT0656	1.00	.50	50	30	N	10	300	N	N	1.000
RLT0630	1.00	.50	50	50	100	15	500	N	N	1.000
RLT0672	2.00	.50	20	20	N	10	150	N	N	.700
RLT0668	3.00	.70	50	30	N	15	200	N	N	.700
RLT0666	1.50	.50	50	20	N	10	200	N	N	.700
RLT0678	2.00	.50	50	30	N	15	200	N	N	.700
JGF0569	1.00	.70	70	30	N	20	150	20	N	1.000
RLT0692	1.00	.50	50	30	N	15	150	N	N	.300
JGF0586	1.00	.70	50	20	N	10	300	N	N	.700
RLT0603	3.00	.70	50	20	N	15	200	N	N	.500
RLT0636	2.00	.70	50	20	N	15	150	N	N	.500
RLT0605	2.00	.70	30	30	N	15	200	N	N	.700
RLT0658	1.50	.70	50	20	N	15	300	N	N	.700
RLT0654	2.00	.50	50	20	N	10	200	N	N	.700
JGF0582	1.50	.70	50	30	N	15	300	10	N	1.000
RLT0628	1.50	.70	30	70	N	15	200	N	N	.500
RLT0624	1.50	.50	30	20	N	15	200	10	N	.700
JGF0561	2.00	.70	50	20	N	15	300	10	N	1.000
JGF0565	1.50	.70	50	20	N	15	200	10	N	1.000
RLT0650	1.50	.70	50	20	N	10	200	N	N	.700
RLT0610	.70	.50	50	30	N	15	200	N	N	.500

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
RLT0690	30 21 0	110 7 50	10	N	20	30	15	N	N	.04	<10
JGF0558	30 27 0	110 9 33	20	N	30	65	20	N	N	.04	20
RLT0608	30 25 44	110 15 51	20	N	30	60	20	N	N	.02	40
RLT0652	30 27 41	110 1 27	20	N	30	45	20	N	N	.04	40
RLT0680	30 22 11	110 4 17	20	N	30	40	20	N	N	.04	20
JGF0649	30 14 41	110 15 33	15	N	30	55	20	N	N	.14	20
RLT0599	30 43 13	110 21 7	20	N	30	65	20	N	N	.04	20
RLT0622	30 34 12	110 21 22	20	N	30	45	15	N	N	.10	10
JGF0560	30 27 48	110 9 33	20	N	30	55	20	N	N	.14	10
RLT0638	30 28 35	110 12 24	30	N	20	60	20	N	N	.12	20
RLT0664	30 25 30	110 3 0	20	N	30	60	30	N	N	.06	10
RLT0642	30 27 40	110 11 42	30	N	30	55	20	N	N	.06	20
RLT0640	30 27 49	110 11 57	20	N	30	45	15	N	N	.08	30
JGF0563	30 29 19	110 9 21	30	N	30	70	70	N	N	.06	30
RLT0662	30 26 25	110 2 27	20	N	15	50	15	N	N	.10	20
RLT0618	30 26 2	110 19 30	20	N	30	55	10	N	N	.06	30
RLT0634	30 31 27	110 14 49	20	N	30	50	15	N	N	.06	20
RLT0614	30 24 42	110 19 2	30	N	50	60	15	N	N	.06	40
RLT0636	30 28 48	110 12 18	20	N	20	45	15	N	N	.06	30
RLT0660	30 29 42	110 0 18	15	N	30	65	20	N	N	.06	30
RLT0682	30 22 3	110 5 10	15	N	20	40	15	N	N	.08	30
MEH0530	30 10 20	109 49 31	30	N	50	100	20	N	N	.04	30
MEH0533	30 3 50	109 48 38	15	N	50	50	20	N	N	.06	30
MEH0535	30 0 14	109 50 15	15	N	50	65	20	N	N	.02	40
MEH0537	30 10 56	109 42 13	20	N	50	80	20	N	N	.06	60
MEH0539	30 10 48	109 41 56	15	N	50	65	15	N	N	.02	80
MEH0543	30 10 3	110 17 42	10	N	50	35	10	N	N	.06	20
MEH0545	30 10 9	110 18 42	15	5	30	75	10	N	N	.10	30
MEH0547	30 21 12	110 33 39	15	N	30	30	30	N	N	.04	20
MEH0549	30 21 23	110 34 0	10	5	30	50	20	N	N	.04	30
MEH0551	30 20 13	110 33 18	15	N	50	30	20	N	N	.06	20
MEH0553	30 12 38	110 24 45	10	5	50	80	10	N	N	.10	30
MEH0555	30 12 39	110 24 24	10	7	30	110	15	N	N	.06	30
MEH0557	31 19 45	109 47 24	20	N	50	35	5	1.0	N	.02	10
JGF0539	30 17 24	109 37 4	30	10	100	190	20	.7	.05	.04	20
ELM0492	30 5 40	110 10 9	20	N	30	60	20	N	N	.02	20
ELM0442	30 14 33	109 21 3	20	N	30	50	70	N	N	.04	20
ELM0482	30 1 3	110 11 30	15	N	50	35	15	N	.20	.02	20
JGF0545	30 7 20	109 46 36	15	N	30	65	15	N	N	.04	30
JGF0533	30 21 25	109 41 57	100	10	150	470	15	.7	N	.02	10
JGF0514	30 23 47	109 41 33	20	N	30	60	15	N	N	.08	10
JGF0527	30 14 43	109 42 48	150	5	100	150	10	1.5	.80	.06	20
JGF0520	30 18 32	109 41 16	700	10	50	100	20	5.0	N	.06	20
JGF0529	30 10 24	109 47 0	100	N	50	85	30	N	N	.04	30
JGF0531	30 10 4	109 46 34	500	N	100	210	15	2.0	.05	.08	30

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
RLT0690	--	150	N	5.0	500	1,000	150	100	1.0	10	20
JGF0558	--	300	N	7.0	700	700	300	50	<1.0	20	50
RLT0608	--	200	N	7.0	300	700	300	150	1.0	30	50
RLT0652	--	300	N	7.0	500	1,500	1,000	50	1.0	50	200
RLT0680	--	200	N	7.0	500	1,000	700	70	1.0	50	100
JGF0649	--	200	N	7.0	700	1,000	700	50	1.0	50	100
RLT0599	--	300	N	10.0	700	1,000	300	70	1.0	15	50
RLT0622	--	200	N	5.0	700	1,000	150	100	1.0	30	70
JGF0560	--	300	N	7.0	700	700	200	50	1.0	20	30
RLT0638	--	300	N	7.0	700	1,000	500	100	1.0	70	100
RLT0664	--	300	N	7.0	1,000	1,000	700	50	1.0	50	200
RLT0642	--	200	N	5.0	700	700	500	150	1.0	50	70
RLT0640	--	200	N	5.0	700	700	500	100	1.0	50	50
JGF0563	--	500	N	15.0	1,000	1,000	500	70	<1.0	100	300
RLT0662	--	150	N	5.0	500	700	1,000	10	1.0	30	50
RLT0618	--	150	N	5.0	700	700	150	100	1.0	15	30
RLT0634	--	150	N	5.0	700	700	300	70	1.0	30	70
RLT0614	--	200	N	7.0	500	700	200	200	1.0	20	30
RLT0636	--	150	N	5.0	700	700	300	50	1.0	50	70
RLT0660	--	150	N	5.0	700	1,000	700	50	1.0	30	50
RLT0682	--	150	N	3.0	700	700	500	70	1.0	30	30
MEH0530	--	200	N	5.0	500	700	300	70	1.0	20	30
MEH0533	--	150	N	3.0	700	700	300	100	1.0	20	30
MEH0535	--	300	N	7.0	1,000	700	300	100	1.0	20	70
MEH0537	--	500	N	10.0	700	1,500	500	200	<1.0	20	100
MEH0539	--	200	N	5.0	500	1,000	300	100	1.0	15	30
MEH0543	--	100	N	5.0	700	1,000	200	100	1.5	15	30
MEH0545	--	150	N	5.0	500	700	200	150	1.5	20	30
MEH0547	--	300	N	10.0	700	1,000	500	70	1.0	50	200
MEH0549	--	200	N	5.0	500	700	300	70	1.0	30	100
MEH0551	--	300	N	7.0	700	1,000	500	70	1.0	50	300
MEH0553	--	100	N	3.0	500	1,000	300	100	1.5	30	30
MEH0555	--	200	N	5.0	300	1,000	300	100	1.5	30	70
MEH0557	--	70	N	3.0	500	300	N	30	1.0	7	20
JGF0539	--	150	N	5.0	700	500	100	300	1.0	15	30
ELM0492	--	150	N	5.0	500	700	300	50	1.0	15	30
ELM0442	--	500	N	10.0	1,000	700	500	N	<1.0	70	150
ELM0482	--	200	N	7.0	500	700	200	50	1.0	20	70
JGF0545	--	200	N	7.0	500	700	300	200	1.0	20	70
JGF0533	--	150	N	5.0	1,000	700	200	30	1.0	15	30
JGF0514	--	200	N	5.0	700	1,000	300	50	1.0	30	50
JGF0527	--	200	500	7.0	500	500	150	1,500	1.0	15	30
JGF0520	--	200	N	5.0	1,000	700	500	70	1.0	30	70
JGF0529	--	500	50	10.0	1,000	500	300	100	<1.0	50	150
JGF0531	--	200	50	5.0	1,000	700	300	200	1.0	20	30

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLTO690	1.00	.30	50	20	N	7	300	N	N	.500
JGFO558	1.50	.70	30	20	N	15	200	N	N	.700
RLTO608	.30	.50	50	20	N	15	200	N	N	.700
RLTO652	1.50	.70	50	20	N	10	200	N	N	.700
RLTO680	1.50	.70	50	20	N	10	200	N	N	.700
JGFO649	1.00	.70	70	50	N	15	300	N	N	.700
RLTO599	1.00	.50	30	15	N	7	200	N	N	.700
RLTO622	1.50	.50	50	30	N	10	200	N	N	.500
JGFO560	.70	.70	50	30	N	10	200	N	N	.700
RLTO638	1.00	1.00	30	20	N	15	200	N	N	.700
RLTO664	1.50	1.00	N	30	N	15	200	N	N	1.000
RLTO642	1.00	1.00	30	20	N	10	200	N	N	.700
RLTO640	1.50	.70	20	30	N	10	300	N	N	.700
JGFO563	1.00	.70	N	20	N	15	100	15	N	>.002
RLTO662	1.50	1.00	50	15	N	7	100	N	N	.700
RLTO618	1.00	.70	50	20	N	10	300	N	N	.500
RLTO634	1.50	.70	20	20	N	10	150	N	N	.500
RLTO614	.50	.50	50	30	N	15	200	N	N	.700
RLTO636	1.00	.70	30	20	N	10	200	N	N	.500
RLTO660	1.50	.70	30	20	N	10	150	N	N	.500
RLTO682	1.50	.70	30	20	N	10	150	N	N	.500
MEHO530	1.00	.70	50	20	N	10	300	N	N	.700
MEHO533	2.00	.70	50	30	N	10	200	N	N	.500
MEHO535	2.00	.50	50	50	N	10	300	N	N	.700
MEHO537	1.00	.50	30	30	N	10	300	N	N	1.000
MEHO539	1.00	.50	50	20	N	7	300	N	N	.500
MEHO543	1.50	.30	50	20	N	5	200	N	N	.500
MEHO545	1.00	.50	50	30	N	15	200	N	N	.500
MEHO547	2.00	.70	70	30	N	20	300	N	N	.700
MEHO549	1.50	.50	50	30	N	15	300	N	N	.700
MEHO551	2.00	.70	70	30	N	15	500	N	N	.700
MEHO553	1.00	.50	50	150	N	10	200	N	N	.500
MEHO555	.70	.50	50	70	N	10	300	N	N	.500
MEHO557	1.50	.50	50	20	N	7	300	N	N	.300
JGFO539	.30	.50	50	30	N	10	200	N	N	.500
ELMO492	1.50	.70	50	20	N	10	200	N	N	.500
ELMO442	2.00	.70	30	30	N	20	300	15	N	>1.000
ELMO482	1.00	.50	50	20	N	10	200	N	N	.700
JGFO545	1.50	.50	50	20	N	10	200	N	N	.700
JGFO533	1.00	.50	50	30	N	10	200	N	N	.500
JGFO514	1.50	.70	50	30	N	15	200	N	N	.700
JGFO527	.50	.50	50	30	N	10	200	10	N	.500
JGFO520	1.00	.70	50	20	N	10	300	N	N	.500
JGFO529	2.00	.50	50	50	N	15	500	10	<20	>1.000
JGFO531	1.00	.70	30	30	N	10	200	N	N	.700

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
ELM0494	30 5 33	110 10 3	50	N	20	50	20	N	N	.16	20
JGF0522	30 15 47	109 41 24	100	N	150	210	20	N	N	.02	40
ELM0468	30 4 56	109 19 51	15	N	70	40	50	N	N	.08	40
JGF0537	30 18 23	109 39 3	150	N	150	300	20	1.0	N	.08	40
ELM0462	30 38 29	109 19 35	20	N	30	30	10	N	N	.06	20
ELM0456	30 24 15	109 29 12	30	N	300	120	20	.7	N	.02	60
JGF0535	30 19 1	109 40 0	300	N	100	500	20	.7	N	.04	40
JGF0541	30 16 30	109 36 15	1,000	15	70	65	70	10.0	.45	.18	60
ELM0426	30 26 51	109 41 33	50	N	50	60	10	N	N	.04	10
JGF0549	30 7 6	109 46 32	20	N	50	65	30	N	N	.06	60
ELM0472	30 1 8	109 19 30	20	N	30	40	20	.5	N	.02	40
ELM0476	30 7 46	109 41 50	20	N	30	50	20	N	N	.06	60
ELM0418	30 36 22	109 25 3	20	N	30	50	30	N	N	.04	20
ELM0474	30 0 24	109 19 50	15	N	50	40	15	N	N	.10	20
JGF0547	30 0 20	109 46 39	20	N	50	50	15	N	N	N	30
ELM0402	30 57 15	109 31 47	20	N	30	40	15	N	N	.06	10
ELM0500	30 8 32	110 10 24	20	N	50	120	20	N	N	.10	60
MEH0522	30 17 27	109 50 23	20	N	30	60	20	N	N	.06	30
JGF0509	30 29 28	109 41 12	20	N	30	45	15	N	N	N	N
ELM0414	30 41 54	109 30 42	20	N	50	55	15	N	N	.02	80
ELM0486	30 2 29	110 12 51	10	N	50	30	15	N	N	.02	<10
JGF0543	30 16 59	109 35 15	50	N	150	270	20	N	.10	N	N
ELM0470	30 4 47	109 19 42	10	N	30	35	20	5.0	N	.06	40
JGF0512	30 24 3	109 41 36	20	N	30	55	20	N	N	.06	20
JGF0551	30 22 33	109 39 57	15	N	30	65	15	N	N	.02	20
MEH0448	30 58 46	109 42 27	10	N	30	30	10	N	N	.02	30
RLT0526	31 5 38	109 29 18	30	N	70	45	20	N	N	.02	10
JGF0466	31 8 33	109 39 24	30	N	100	50	10	N	N	.02	10
JGF0428	31 6 59	109 53 39	15	N	20	35	7	N	N	.02	10
JGF0443	31 15 23	109 50 0	15	N	20	30	10	N	N	.06	20
MEH0456	30 52 17	109 43 27	15	N	50	45	10	N	N	.04	30
MEH0442	30 57 51	109 41 36	15	N	30	40	10	N	N	.04	N
JGF0462	31 9 48	109 40 45	20	N	50	55	10	N	N	.02	10
JGF0451	31 8 26	109 46 39	20	N	20	40	15	N	N	.04	20
JGF0447	31 14 29	109 49 11	20	N	30	30	5	N	N	.04	20
ELM0394	31 12 32	109 44 3	30	10	100	75	10	.5	N	.04	N
ELM0392	31 11 46	109 44 30	20	N	50	70	10	N	N	.02	10
JGF0436	31 7 33	109 52 38	15	N	20	30	10	N	N	.04	10
JGF0461	31 11 38	109 42 42	30	N	150	35	15	N	N	.02	10
RLT0532	31 7 52	109 29 51	50	N	30	50	20	N	N	.08	<10
MEH0452	30 57 22	109 45 0	10	N	30	40	10	N	N	N	10
RLT0520	31 4 27	109 26 33	10	N	30	30	10	N	N	.02	10
JGF0441	31 11 39	109 52 6	15	N	30	30	15	N	N	.02	20
RLT0632	30 32 0	110 14 50	20	N	30	45	15	N	N	.04	10
JGF0455	31 16 30	109 42 45	50	N	50	25	7	N	N	.02	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
ELM0494	--	200	N	7.0	700	1,000	300	50	1.0	15	30
JGF0522	--	200	N	5.0	700	500	200	150	1.0	20	30
ELM0468	--	300	N	10.0	1,500	1,000	500	70	<1.0	50	200
JGF0537	--	200	N	5.0	1,000	1,000	300	200	1.0	20	30
ELM0462	--	200	N	5.0	1,000	1,000	500	30	1.0	15	50
ELM0456	--	300	N	5.0	1,000	1,000	500	70	1.0	30	50
JGF0535	--	300	N	7.0	1,000	700	300	20	1.0	30	30
JGF0541	--	150	1,000	10.0	500	300	N	2,000	<1.0	15	15
ELM0426	--	200	N	7.0	700	700	300	50	1.0	15	30
JGF0549	--	500	N	10.0	700	700	300	150	<1.0	30	150
ELM0472	--	300	N	7.0	1,000	1,000	700	50	1.0	50	150
ELM0476	--	200	N	5.0	700	1,000	500	70	1.0	30	100
ELM0418	--	200	N	7.0	1,500	1,000	500	20	1.5	15	30
ELM0474	--	150	N	5.0	700	1,000	300	100	1.0	30	70
JGF0547	--	300	N	7.0	700	1,000	200	100	1.0	15	50
ELM0402	--	200	N	7.0	700	1,000	300	50	1.0	20	50
ELM0500	--	100	N	3.0	500	700	300	150	1.0	15	100
MEH0522	--	200	N	7.0	700	500	300	70	1.0	30	30
JGF0509	--	300	N	10.0	500	700	500	20	1.0	20	30
ELM0414	--	150	N	3.0	300	1,500	300	200	1.0	15	50
ELM0486	--	200	N	5.0	700	700	200	70	1.0	10	70
JGF0543	--	200	N	7.0	1,000	700	150	1,000	<1.0	20	50
ELM0470	--	300	N	7.0	700	1,000	300	70	<1.0	20	200
JGF0512	--	200	N	5.0	500	1,000	500	50	1.0	30	100
JGF0551	--	100	N	3.0	500	500	300	20	1.0	15	50
MEH0448	--	150	N	5.0	500	700	200	30	<1.0	20	100
RLT0526	--	300	N	10.0	1,500	1,000	200	50	<1.0	20	100
JGF0466	--	100	N	5.0	700	500	N	100	1.0	20	50
JGF0428	--	70	N	3.0	300	1,000	100	30	1.0	10	20
JGF0443	--	100	N	3.0	500	1,000	200	50	<1.0	10	30
MEH0456	--	150	N	7.0	1,000	700	200	100	1.0	15	50
MEH0442	--	100	N	5.0	500	700	N	100	1.0	20	50
JGF0462	--	100	N	3.0	700	500	N	100	1.0	20	100
JGF0451	--	150	N	7.0	700	700	200	50	<1.0	10	50
JGF0447	--	70	N	2.0	500	700	150	50	1.0	10	50
ELM0394	--	100	N	3.0	700	1,000	200	100	1.0	30	70
ELM0392	--	100	N	5.0	500	1,000	100	150	1.5	30	50
JGF0436	--	100	N	3.0	500	700	150	50	1.0	15	30
JGF0461	--	150	N	10.0	1,000	500	N	150	1.0	30	100
RLT0532	--	150	N	5.0	500	1,000	300	50	1.0	20	50
MEH0452	--	100	N	3.0	500	700	100	70	1.0	20	50
RLT0520	--	100	N	3.0	300	1,000	500	50	1.0	15	70
JGF0441	--	150	N	3.0	500	700	300	50	<1.0	30	70
RLT0532	--	150	N	3.0	500	700	500	100	1.0	30	100
JGF0455	--	100	N	5.0	500	300	N	70	1.0	10	30

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
ELM0494	1.50	.50	30	20	N	10	300	N	N	.700
JGF0522	.30	.70	30	20	N	10	150	N	N	.700
ELM0468	2.00	.50	50	30	N	10	300	10	N	>1.000
JGF0537	1.00	.70	50	20	N	10	200	N	N	.700
ELM0462	1.00	.50	70	30	N	10	200	N	N	.700
ELM0456	1.50	.50	50	50	N	10	500	N	N	.700
JGF0535	1.50	.70	50	20	N	15	300	N	N	.700
JGF0541	.30	.30	70	70	N	10	300	20	N	.500
ELM0426	1.00	.50	50	30	N	7	300	N	N	.500
JGF0549	1.50	.50	50	50	N	15	300	N	<20	>1.000
ELM0472	3.00	.50	100	30	N	15	300	N	<20	>1.000
ELM0476	2.00	.50	50	30	N	15	300	N	N	1.000
ELM0418	1.50	.50	50	30	N	15	200	N	N	1.000
ELM0474	1.50	.50	50	30	N	10	200	N	N	.500
JGF0547	1.00	.50	50	50	N	10	1,000	N	<20	1.000
ELM0402	1.00	.50	50	50	N	10	500	N	<20	.700
ELM0500	.70	.50	30	20	N	7	100	N	N	.300
MEH0522	1.00	.70	50	20	N	10	150	N	N	.700
JGF0509	1.50	.50	70	30	N	5	200	N	N	.500
ELM0414	2.00	2.00	50	30	N	10	300	N	N	.500
ELM0486	.50	.20	50	30	N	10	300	N	N	.700
JGF0543	.50	.50	50	20	N	10	300	N	N	.700
ELM0470	2.00	.50	50	50	N	10	200	N	N	1.000
JGF0512	1.50	.70	50	20	N	10	300	N	N	.700
JGF0551	1.50	.70	50	20	N	10	100	N	N	.500
MEH0448	1.00	.30	30	50	N	7	1,000	N	N	.500
RLT0526	3.00	.30	50	50	N	10	700	N	N	.700
JGF0466	3.00	.50	50	30	N	10	500	N	N	.500
JGF0428	1.00	.30	30	20	N	7	700	N	N	.300
JGF0443	.70	.20	30	15	N	7	300	N	N	.500
MEH0456	.70	.30	50	50	N	10	1,000	N	N	.500
MEH0442	1.00	.30	30	50	N	10	700	N	<20	.500
JGF0462	2.00	.50	50	50	N	10	200	N	N	.500
JGF0451	1.50	.20	30	20	N	7	700	N	N	.700
JGF0447	1.50	.20	50	20	N	5	500	N	N	.300
ELM0394	5.00	.50	50	50	N	10	300	N	N	.300
ELM0392	3.00	.30	50	50	N	10	300	N	N	.300
JGF0436	1.50	.30	50	20	N	7	200	N	N	.500
JGF0461	1.00	.20	50	50	N	10	300	N	20	.700
RLT0532	2.00	.70	50	30	N	10	200	N	N	.500
MEH0452	.70	.30	50	30	N	7	300	N	N	.300
RLT0520	1.50	.50	50	30	N	10	200	N	N	.500
JGF0441	1.00	.50	30	20	N	10	300	N	N	.500
RLT0632	2.00	1.00	50	30	N	15	150	N	N	.300
JGF0455	1.00	.20	50	30	N	7	1,000	N	20	.700

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
JGFO459	31 9 5	109 48 37	15	N	20	40	15	N	N	N	<10
JGFO464	31 5 46	109 40 27	15	N	30	30	7	N	N	.04	<10
JGFO433	31 5 40	109 53 0	10	N	30	35	10	N	N	.02	10
JGFO469	31 7 45	109 36 3	30	N	70	50	10	N	N	.02	10
JGFO435	31 4 35	109 52 4	20	N	50	40	15	3.0	.20	.04	10
MEHO458	30 52 32	109 45 6	15	N	70	50	10	N	N	.04	10
RLTO522	31 3 39	109 28 30	50	N	50	50	20	N	N	.04	10
MEHO450	30 59 4	109 43 21	10	N	30	35	7	N	N	.04	10
JGFO440	31 8 40	109 58 39	10	N	20	20	7	N	N	N	20
MEHO446	30 54 53	109 46 54	30	N	50	55	20	N	N	.04	20
JGFO453	31 8 34	109 46 33	15	N	30	45	10	N	N	.02	<10
MEHO462	30 54 17	109 49 9	20	N	50	50	10	N	N	.08	<10
JGFO442	31 10 21	109 52 27	15	N	30	45	10	N	N	.02	20
MEHO454	30 52 30	109 43 0	20	N	50	45	15	N	N	<.02	10
MEHO444	30 54 57	109 47 18	10	N	30	35	10	N	N	.02	20
JGFO429	31 6 38	109 53 54	15	N	30	35	10	N	N	.04	20
JGFO449	31 7 45	109 49 5	15	N	20	30	10	N	N	.02	10
MEHO460	30 52 57	109 46 21	20	N	70	45	15	N	N	.02	10
JGFO438	31 7 39	109 59 24	20	N	30	40	10	N	N	N	10
MEHO464	30 54 29	109 48 51	30	N	50	40	15	N	N	N	N
JGFO445	31 15 44	109 49 18	20	N	30	25	7	N	N	.02	<10
MEHO436	30 54 23	109 43 52	20	N	70	65	15	N	N	.02	<10
JGFO427	31 8 23	109 55 9	10	N	20	30	5	N	N	<.02	10
MEHO438	30 58 16	109 43 50	15	N	30	40	20	N	N	<.02	N
JGFO431	31 5 50	109 53 24	15	N	30	40	7	N	N	.02	10
MEHO440	30 58 32	109 43 57	20	N	50	45	10	N	N	.04	N
MEHO466	30 53 21	109 47 3	15	N	70	60	15	N	<.05	.10	20
JGFO457	31 12 0	109 34 29	30	N	30	30	7	N	N	<.02	<10
RLTO530	31 7 35	109 29 27	15	N	50	30	7	N	N	.16	30
JGFO426	31 8 44	109 55 35	30	N	30	35	10	N	N	.04	10
ELMO398	30 53 47	109 32 42	15	N	30	40	10	N	1.00	.02	10
ELMO400	30 54 5	109 32 45	15	N	50	35	15	N	N	.02	10
ELMO454	30 22 53	109 28 44	100	7	100	320	30	1.0	N	.04	40
MEHO502	30 25 20	109 26 27	50	N	70	110	20	.7	N	.04	30
MEHO496	30 25 52	109 30 33	30	N	300	95	15	1.5	<.05	.08	60
MEHO526	30 18 32	109 50 5	70	5	70	130	50	.5	.05	.04	10
MEHO520	30 16 34	109 49 30	70	N	50	60	100	N	<.05	.08	20
ELMO416	30 38 21	109 25 6	20	N	30	45	15	N	.05	.02	120
ELMO436	30 12 24	109 21 1	7	N	30	30	15	N	N	.02	<10
ELMO408	30 46 21	109 34 39	15	N	30	40	15	N	N	.02	30
MEHO524	30 17 45	109 49 57	100	7	70	45	50	N	N	.02	20
MEHO528	30 17 9	109 50 36	70	N	1,000	1,400	20	10.0	<.05	.55	120
ELMO450	30 22 57	109 29 21	20	N	70	55	15	N	N	N	30
MEHO518	30 14 41	109 48 57	30	N	50	45	50	N	N	.02	10
ELMO424	30 36 18	109 23 39	15	N	30	45	20	N	N	.04	80

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
JGF0459	--	150	N	3.0	500	1,500	200	50	1.0	15	200
JGF0464	--	100	N	3.0	500	1,500	150	50	1.0	10	30
JGF0433	--	150	N	5.0	300	1,000	200	30	1.0	10	50
JGF0469	--	100	N	5.0	700	300	N	100	1.0	20	70
JGF0435	--	200	N	7.0	700	700	150	50	1.0	15	50
MEH0458	--	150	N	5.0	700	1,000	300	70	1.5	20	100
RLT0522	--	150	N	5.0	500	1,500	500	30	1.5	30	100
MEH0450	--	70	N	2.0	200	700	N	50	1.0	20	100
JGF0440	--	70	N	2.0	300	700	150	50	1.0	N	70
MEH0446	--	300	N	7.0	700	1,000	700	50	<1.0	20	20
JGF0453	--	150	N	5.0	500	1,000	200	20	<1.0	N	30
MEH0462	--	70	N	3.0	500	700	200	70	1.5	10	30
JGF0442	--	100	N	3.0	500	1,000	300	70	1.0	15	70
MEH0454	--	200	N	5.0	700	1,000	200	50	1.0	20	100
MEH0444	--	100	N	3.0	500	1,000	200	50	1.0	10	70
JGF0429	--	150	N	3.0	500	1,000	300	50	1.0	10	70
JGF0449	--	100	N	3.0	500	700	300	50	1.0	10	50
MEH0460	--	150	N	5.0	700	700	300	70	1.0	20	70
JGF0438	--	100	N	5.0	1,000	1,000	200	30	1.0	10	20
MEH0464	--	150	N	5.0	1,000	1,000	1,000	30	1.5	50	100
JGF0445	--	70	N	3.0	500	500	100	50	<1.0	10	20
MEH0436	--	100	N	5.0	700	700	150	70	1.0	20	70
JGF0427	--	70	N	3.0	500	700	150	30	<1.0	10	30
MEH0438	--	300	N	10.0	500	500	150	70	N	30	200
JGF0431	--	100	N	3.0	500	700	150	20	1.0	15	30
MEH0440	--	200	N	7.0	700	500	100	100	1.0	20	100
MEH0466	--	150	N	5.0	1,000	1,500	200	100	1.0	20	50
JGF0457	--	100	N	3.0	300	700	150	50	<1.0	10	50
RLT0530	--	70	N	2.0	700	300	200	30	<1.0	10	30
JGF0426	--	70	N	3.0	700	700	150	20	1.0	15	50
ELM0398	--	150	N	3.0	500	700	300	70	1.5	20	30
ELM0400	--	200	N	5.0	700	700	200	50	1.5	20	50
ELM0454	--	200	N	5.0	1,000	500	200	200	1.0	20	30
MEH0502	--	300	N	7.0	500	1,000	300	70	1.0	30	50
MEH0496	--	200	N	5.0	700	700	200	70	1.5	10	30
MEH0526	--	500	N	15.0	700	500	200	50	<1.0	50	200
MEH0520	--	700	N	20.0	700	500	150	100	<1.0	70	200
ELM0416	--	100	N	3.0	500	1,500	500	100	1.0	15	50
ELM0436	--	100	N	3.0	500	700	300	15	1.0	15	50
ELM0408	--	200	N	5.0	500	1,500	200	100	1.5	15	70
MEH0524	--	500	N	15.0	700	500	200	70	<1.0	30	100
MEH0528	--	200	N	5.0	1,000	700	200	100	1.0	20	30
ELM0450	--	200	N	5.0	700	1,000	700	30	1.0	30	70
MEH0518	--	500	N	15.0	500	500	100	70	<1.0	50	300
ELM0424	--	150	N	5.0	500	1,000	500	100	1.0	15	50

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0459	1.50	.30	50	30	N	10	500	N	N	.500
JGF0464	1.50	.30	50	20	N	7	700	N	N	.500
[illegible]33	.50	.30	50	20	N	7	300	N	N	.300
JGF0469	2.00	.30	50	30	N	10	700	N	N	.500
JGF0455	1.00	.30	50	20	N	10	500	N	N	.700
MEH0458	1.00	.50	50	50	N	15	300	N	N	.500
RLT0522	1.00	.50	50	30	N	15	300	N	N	.700
MEH0450	3.00	.30	20	20	N	10	150	N	N	.200
JGF0440	1.00	.20	30	15	N	5	700	N	N	.300
MEH0446	3.00	.70	50	20	N	10	200	N	N	.700
JGF0453	1.00	.50	30	50	N	7	1,000	N	N	.700
MEH0462	1.50	.30	70	30	N	7	300	N	N	.300
JGF0442	1.50	.50	30	20	N	7	200	N	N	.300
MEH0454	1.50	.50	50	150	N	10	500	N	N	.700
MEH0444	1.50	.50	50	20	N	7	200	N	N	.700
JGF0429	1.00	.50	50	30	N	7	300	N	N	.700
JGF0449	1.00	.30	70	20	N	7	500	N	N	1.000
MEH0460	.70	.30	70	50	N	10	500	N	N	1.000
JGF 438	1.00	.70	30	30	N	10	300	N	N	.500
MEH0434	2.00	1.00	50	30	N	10	200	N	N	.700
JGF0445	1.50	.20	20	30	N	7	1,000	N	N	.700
MEH0436	1.00	.50	50	30	N	10	300	N	N	.500
JGF0427	1.00	.50	50	20	N	7	700	N	N	.500
MEH0438	.50	.15	N	70	N	10	700	15	N	.700
JGF0431	1.00	.50	50	20	N	7	500	N	N	.500
MEH0440	1.00	.50	50	100	N	10	500	N	N	.700
MEH0466	.70	.30	70	70	N	10	700	N	N	.700
JGF0457	1.50	.30	20	20	N	5	300	N	N	.500
RLT0560	1.00	.30	20	15	N	7	70	N	N	.300
JGF0426	1.00	.50	70	20	N	7	700	N	N	.500
ELM0398	1.50	.50	70	30	N	7	300	N	N	.500
ELM0400	1.00	.30	70	30	N	7	300	N	N	.700
ELM0454	.50	.70	N	20	N	10	300	N	N	.700
MEH0502	1.00	.50	50	30	N	15	500	N	N	1.000
MEH0496	.70	.30	70	50	N	7	300	N	<20	.700
MEH0526	1.50	.30	50	50	N	10	500	20	N	1.000
MEH0520	1.50	.30	50	30	N	15	500	20	N	>1.000
ELM0416	3.00	1.50	50	20	N	7	200	N	N	.300
ELM0436	.70	.30	50	20	N	7	300	N	N	.500
ELM0408	1.00	.30	30	30	N	7	300	N	N	.500
MEH0524	2.00	.30	30	30	N	15	500	20	N	1.000
MEH0528	.70	.70	50	30	N	15	150	N	N	.500
ELM0450	1.00	.70	20	20	N	10	300	N	N	.500
MEH0518	.70	.20	70	30	N	15	300	20	N	1.000
ELM0424	2.00	1.00	50	30	N	10	200	N	N	.500

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
RLT0546	30 39 14	109 45 12	15	5	70	85	15	N	N	.02	10
RLT0538	30 39 14	109 42 54	15	N	70	30	15	N	N	.02	10
RLT0562	30 44 15	109 43 50	15	N	30	45	20	N	N	.02	10
RLT0536	30 38 6	109 44 21	50	N	200	300	20	N	N	.06	10
RLT0540	30 41 4	109 43 18	15	N	70	50	20	N	<.05	.02	10
RLT0570	30 35 42	109 51 3	30	N	100	85	20	N	<.05	.04	10
RLT0544	30 40 1	109 46 29	20	N	70	80	15	N	N	.04	<10
RLT0556	30 42 41	109 44 57	15	N	50	70	15	N	N	.02	10
RLT0552	30 43 1	109 44 21	20	N	30	25	20	N	N	<.02	N
RLT0560	30 43 57	109 46 0	20	N	70	75	15	N	<.05	.06	<10
RLT0578	30 30 12	109 50 6	15	N	20	50	20	N	N	.04	20
RLT0584	30 23 14	109 50 18	30	5	30	50	20	N	N	<.02	20
RLT0586	30 20 55	109 46 47	150	20	500	480	15	1.5	.05	.02	30
RLT0550	30 41 33	109 45 15	20	N	100	85	15	N	N	.04	20
RLT0572	30 33 36	109 53 6	30	N	50	60	50	N	N	.02	30
RLT0518	31 2 23	109 27 55	20	N	50	35	10	N	N	.04	20
RLT0505	31 3 52	109 32 11	20	N	30	25	15	N	N	.04	10
RLT0514	31 1 50	109 27 53	10	N	30	35	7	N	N	<.02	30
RLT0500	30 49 11	109 46 18	10	N	50	35	20	N	N	.02	20
RLT0528	31 6 32	109 29 27	50	N	50	40	15	N	N	.04	10
RLT0524	31 5 3	109 29 7	30	N	30	35	15	N	N	<.02	20
RLT0516	31 2 44	109 27 53	20	N	30	40	20	N	N	.02	20
RLT0512	31 1 15	109 27 57	30	N	30	55	30	N	N	.04	40
RLT0510	31 4 7	109 29 32	20	N	100	45	20	N	N	.06	10
RLT0507	31 4 0	109 31 18	30	N	50	40	15	N	N	.06	10
RLT0503	31 3 12	109 33 29	10	N	30	20	7	N	N	.02	<10
RLT0498	30 49 26	109 45 29	15	N	70	40	10	N	N	.04	20
RLT0496	30 50 11	109 44 24	15	N	30	45	10	N	N	N	10
RLT0494	30 50 51	109 43 0	20	N	70	75	15	N	N	.08	10
RLT0492	30 45 54	109 48 51	7	N	70	50	5	N	.05	.04	10
RLT0489	30 47 19	109 50 12	50	5	200	270	10	.5	N	.06	80
RLT0486	30 45 39	109 49 36	15	N	100	50	10	N	N	.02	10
RLT0484	30 46 18	109 47 27	15	N	50	35	10	N	N	<.02	20
RLT0482	30 50 49	109 42 48	10	N	30	30	5	N	N	N	10
RLT0480	30 51 17	109 42 30	15	N	50	45	7	N	N	.02	<10
RLT0574	30 31 38	109 51 39	15	N	30	50	20	N	N	.02	20
RLT0558	30 43 32	109 45 39	30	N	30	30	20	N	N	.02	<10
RLT0548	30 40 32	109 45 0	20	N	50	80	20	N	N	N	20
ELM0484	30 1 39	110 12 42	10	N	30	25	15	N	N	.02	10
ELM0480	30 1 8	110 12 42	10	N	30	40	10	N	N	.02	20
RLT0542	30 39 50	109 46 27	20	N	70	120	15	N	N	.02	N
RLT0554	30 42 30	109 44 51	20	N	70	60	15	N	N	.02	10
RLT0534	30 37 52	109 44 36	20	N	70	100	15	N	N	.02	10
RLT0582	30 23 53	109 50 21	30	N	70	70	20	N	N	.02	20
ELM0490	30 4 23	110 11 3	15	N	20	55	15	N	N	.08	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
RLT0546	--	200	N	7.0	700	700	100	30	1.5	15	70
RLT0538	--	200	N	5.0	500	500	N	20	1.5	10	50
RLT0562	--	200	N	7.0	500	1,000	200	50	1.0	20	70
RLT0536	--	200	N	7.0	1,500	700	100	50	1.5	20	50
RLT0540	--	300	N	10.0	700	700	150	50	1.5	20	200
RLT0570	--	150	N	5.0	700	1,000	500	50	1.0	20	70
RLT0544	--	200	N	10.0	700	700	N	30	2.0	10	70
RLT0556	--	150	N	3.0	700	700	500	50	2.0	30	70
RLT0552	--	150	N	3.0	700	700	300	20	1.5	20	20
RLT0560	--	150	N	3.0	700	700	300	70	2.0	50	100
RLT0578	--	200	N	10.0	500	700	700	50	<1.0	50	100
RLT0584	--	300	<50	10.0	500	700	500	70	1.0	30	70
RLT0536	--	300	70	7.0	1,500	1,000	200	50	1.0	15	30
RLT0550	--	150	N	5.0	1,000	700	200	50	2.0	30	30
RLT0572	--	300	N	10.0	1,000	1,000	500	50	<1.0	70	300
RLT0518	--	200	N	5.0	700	1,000	300	50	1.0	30	50
RLT0505	--	300	N	10.0	700	700	200	50	1.0	20	150
RLT0514	--	200	N	3.0	500	1,000	300	50	1.0	10	30
RLT0500	--	300	N	15.0	700	700	200	70	1.0	10	100
RLT0528	--	100	N	3.0	700	700	500	20	1.0	15	50
RLT0524	--	300	N	7.0	700	1,000	300	30	1.0	15	70
RLT0516	--	300	N	10.0	700	1,000	300	30	1.0	50	150
RLT0512	--	300	N	7.0	700	1,500	500	15	1.5	70	200
RLT0510	--	150	N	5.0	1,000	700	200	50	1.0	20	70
RLT0507	--	150	N	5.0	500	700	200	50	1.5	20	50
PLT0503	--	100	N	2.0	300	700	200	20	1.0	15	50
RLT0498	--	100	N	3.0	700	700	200	70	2.0	15	30
RLT0496	--	150	N	5.0	700	700	200	70	1.5	10	30
RLT0494	--	150	N	5.0	700	700	150	50	1.5	20	50
PLT0492	--	70	N	2.0	300	500	200	20	2.0	10	50
RLT0489	--	100	N	7.0	5,000	300	100	70	2.0	10	50
RLT0486	--	100	N	5.0	700	500	200	70	2.0	20	50
RLT0484	--	70	N	2.0	700	700	300	20	2.0	30	50
RLT0482	--	150	N	5.0	700	500	100	50	1.5	5	20
RLT0480	--	70	N	3.0	500	700	150	50	1.5	15	50
RLT0574	--	200	N	7.0	500	700	500	50	1.0	30	70
RLT0558	--	100	N	3.0	700	700	500	15	1.5	20	30
RLT0548	--	300	N	10.0	700	700	500	70	1.0	20	150
ELM0484	--	100	N	3.0	500	700	200	50	1.0	5	30
ELM0480	--	150	N	3.0	500	700	300	50	1.0	7	50
RLT0542	--	200	N	10.0	1,000	700	100	50	1.5	10	70
RLT0554	--	150	N	5.0	500	700	300	30	1.5	20	70
RLT0534	--	200	N	7.0	1,000	500	200	20	1.5	20	100
RLT0582	--	200	N	5.0	1,000	1,000	500	100	1.0	20	100
ELM0490	--	100	N	3.0	700	1,000	300	50	1.0	15	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLT0546	.50	.30	100	70	N	15	700	N	<20	1.000
RLT0538	.30	.20	50	150	N	10	500	10	30	.700
RLT0562	1.00	.50	50	50	N	10	300	N	<20	.700
RLT0536	1.00	.50	100	150	N	20	1,000	10	N	1.000
RLT0540	.70	.30	50	70	N	10	500	10	20	1.000
RLT0570	2.00	.70	70	50	N	10	150	N	N	.500
RLT0544	.70	.30	70	100	N	15	1,000	10	20	.700
RLT0556	1.00	.50	70	50	N	10	300	N	N	.300
RLT0552	1.50	.70	50	20	N	10	100	N	N	.300
RLT0560	.70	.70	50	30	N	10	200	N	N	.300
RLT0578	1.00	.50	50	70	N	7	300	N	N	1.000
RLT0584	2.00	.50	50	30	N	10	300	N	N	.700
RLT0586	1.50	.50	50	30	N	10	500	N	N	.700
RLT0550	1.00	.50	70	100	N	10	500	N	20	.500
RLT0572	2.00	.70	50	30	N	15	200	N	N	1.000
RLT0518	1.50	.50	50	20	N	7	300	N	N	.500
RLT0505	2.00	.20	50	70	N	10	1,000	10	<20	1.000
RLT0514	1.50	.30	50	30	N	7	500	N	N	.500
RLT0500	1.00	.30	100	100	N	15	1,000	10	<20	1.000
RLT0528	2.00	.50	50	30	N	10	200	N	N	.500
RLT0524	5.00	.30	50	30	N	7	700	N	N	.700
RLT0516	2.00	.50	70	50	N	10	700	10	N	1.000
RLT0512	3.00	.50	70	50	N	15	500	10	N	1.000
RLT0510	1.50	.30	70	20	N	7	100	N	N	.500
RLT0507	1.50	.30	50	70	N	10	300	N	N	.500
RLT0503	5.00	.50	20	20	N	7	200	N	N	.300
RLT0498	1.50	.50	50	70	N	10	300	N	N	.300
RLT0496	1.50	.30	50	70	N	10	500	N	<20	.300
RLT0494	1.50	.30	50	70	N	15	300	N	N	.300
RLT0492	.50	.30	70	70	N	10	200	N	N	.300
RLT0489	3.00	1.00	70	150	N	15	500	15	<20	.300
RLT0486	.70	.30	70	150	N	15	500	N	20	.700
RLT0484	3.00	.50	50	20	N	7	100	N	N	.300
RLT0482	1.00	.20	30	50	100	7	500	N	N	.500
RLT0480	.50	.30	50	30	N	7	150	N	N	.500
RLT0574	1.50	.50	50	20	N	10	200	N	N	.700
RLT0558	2.00	.70	50	20	N	10	150	N	N	.500
RLT0548	2.00	.50	50	100	N	20	1,000	10	N	1.000
ELM0484	.50	.20	30	20	N	5	300	N	N	.500
ELM0480	1.00	.30	50	20	N	7	300	N	N	.700
RLT0542	1.00	.50	50	100	N	20	1,000	10	N	.700
RLT0554	2.00	.50	50	100	N	10	200	N	N	.700
RLT0534	1.00	.30	50	100	100	15	500	10	20	.700
RLT0582	1.50	.70	50	20	N	10	300	N	N	.700
ELM0490	1.00	.50	50	20	N	10	200	N	N	.500

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
RLT0588	30 21 0	109 47 6	30	N	70	130	15	N	N	2.02	30
RLT0566	30 36 23	109 52 18	7	N	30	55	7	N	N	.02	10
RLT0568	30 36 11	109 51 3	15	N	50	60	15	N	N	<.02	20
RLT0580	30 25 49	109 50 36	30	N	50	60	20	N	N	.02	10
ELM0464	30 7 24	109 19 53	15	N	20	35	15	N	N	.02	30
RLT0593	30 19 37	109 49 32	20	N	50	50	20	N	N	.02	30
RLT0564	30 37 18	109 57 18	20	N	50	55	15	N	N	.04	20
ELM0460	30 11 21	109 19 31	15	N	30	30	20	N	N	.02	10
ELM0498	30 7 48	110 10 51	30	<5	70	130	15	N	N	.06	40
ELM0483	30 3 27	110 12 54	30	N	30	50	15	N	N	.04	10
ELM0432	30 9 49	109 19 24	30	N	50	55	70	N	N	.04	20
RLT0576	30 30 38	109 51 3	50	N	70	65	70	N	N	.04	20
ELM0478	30 7 59	109 41 43	20	N	50	65	15	N	N	.02	40
ELM0466	30 6 24	109 19 28	20	N	30	30	15	N	N	<.02	40
ELM0496	30 4 36	110 11 27	30	N	30	55	20	N	N	.06	30
RLT0595	30 20 47	109 51 24	30	N	50	50	15	N	N	.06	30
RLT0590	30 20 32	109 48 3	30	N	30	55	20	N	N	.02	10
MEH0504	30 26 46	109 26 6	30	N	30	55	20	N	N	.02	40
MEH0498	30 25 18	109 30 21	30	N	150	75	15	N	N	.02	60
MEH0494	30 27 41	109 32 17	30	N	30	70	30	N	N	.06	20
ELM0354	31 7 58	109 45 57	10	N	20	45	15	N	.25	.02	10
ELM0364	31 3 49	109 45 32	10	N	30	45	10	N	.45	N	20
ELM0374	31 1 1	109 44 44	15	N	50	45	10	N	.15	.02	10
ELM0384	31 9 1	109 45 17	10	N	30	30	10	N	N	.02	<10
MEH0508	30 7 6	109 46 32	30	N	50	75	20	N	N	.02	40
ELM0366	31 2 42	109 44 57	15	N	100	30	15	N	N	<.02	N
ELM0376	31 1 15	109 42 36	10	N	30	30	10	N	1.50	<.02	<10
MEH0500	30 25 53	109 28 57	30	N	700	140	20	2.0	<.05	.04	80
ELM0386	31 9 26	109 45 0	20	N	50	40	10	N	N	.02	<10
MEH0490	30 26 40	109 32 42	30	N	300	95	20	1.0	<.05	.04	30
ELM0388	31 10 55	109 44 39	50	N	70	55	15	N	N	.02	<10
MEH0506	30 0 20	109 46 39	30	N	70	45	15	N	N	.02	60
MEH0510	30 7 20	109 46 36	50	N	50	75	70	N	N	<.02	40
MEH0512	30 12 36	109 48 42	50	N	100	85	20	N	N	.04	10
MEH0516	30 12 16	109 48 15	30	N	70	45	15	N	<.05	.02	N
ELM0390	31 11 29	109 44 42	30	N	70	40	15	N	N	<.02	<10
ELM0378	31 2 17	109 43 20	10	N	30	20	10	N	N	.02	N
ELM0380	31 6 43	109 48 54	20	N	30	40	15	N	N	.02	10
ELM0382	31 8 37	109 45 21	15	N	20	25	10	N	N	<.02	<10
MEH0514	30 13 7	109 49 9	30	N	100	70	20	<.5	N	.02	30
MEH0470	30 41 15	109 36 2	10	N	30	15	10	N	N	.02	10
MEH0486	30 29 40	109 37 44	20	N	70	45	15	N	N	.06	10
MEH0484	30 32 42	109 37 54	15	N	50	35	5	N	N	.08	<10
MEH0480	30 36 14	109 37 24	10	N	50	20	10	N	N	.02	10
MEH0488	30 29 38	109 38 3	10	N	20	40	10	N	N	.06	N

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
RLT0588	--	150	N	5.0	700	1,000	500	50	1.5	15	70
RLT0566	--	70	N	2.0	500	500	200	20	1.0	10	50
RLT0568	--	150	N	3.0	500	700	500	30	1.5	20	100
RLT0580	--	300	N	10.0	700	700	300	100	1.0	30	100
ELM0464	--	300	N	5.0	700	1,000	1,000	10	1.0	30	100
RLT0593	--	300	N	7.0	700	700	300	50	1.0	30	200
RLT0564	--	200	N	3.0	1,000	700	700	100	2.0	30	50
ELM0460	--	300	N	5.0	1,500	700	700	50	<1.0	50	150
ELM0498	--	200	N	5.0	700	700	200	200	1.0	30	50
ELM0488	--	200	N	5.0	700	700	150	70	1.0	20	30
ELM0432	--	700	N	10.0	2,000	500	<100	50	<1.0	70	150
RLT0576	--	500	N	10.0	1,000	700	200	150	<1.0	70	300
ELM0478	--	300	N	5.0	700	700	150	200	1.5	30	50
ELM0466	--	200	N	3.0	700	1,000	700	100	1.0	30	70
ELM0496	--	200	N	5.0	1,000	700	300	70	1.0	20	30
RLT0595	--	300	N	5.0	1,500	700	700	150	1.0	30	150
RLT0590	--	300	N	7.0	1,000	700	700	70	<1.0	50	150
MEH0504	--	300	N	5.0	1,000	700	500	30	<1.0	30	100
MEH0498	--	150	N	5.0	1,000	700	500	100	1.5	30	70
MEH0494	--	300	N	7.0	1,500	700	700	50	1.0	100	200
ELM0354	--	150	N	5.0	700	500	100	100	<1.0	30	50
ELM0364	--	70	N	5.0	700	700	N	100	<1.0	30	50
ELM0374	--	70	N	3.0	700	700	100	70	1.0	15	50
ELM0384	--	150	N	3.0	500	1,000	N	70	<1.0	5	30
MEH0508	--	500	N	7.0	1,500	1,000	300	200	<1.0	30	70
ELM0366	--	150	N	5.0	500	2,000	100	70	<1.0	15	30
ELM0376	--	70	N	3.0	700	700	300	50	1.0	10	30
MEH0500	--	150	N	5.0	1,500	700	300	200	<1.0	20	50
ELM0386	--	100	N	3.0	700	500	200	70	1.5	30	50
MEH0490	--	200	N	5.0	1,500	700	500	100	1.0	70	200
ELM0388	--	100	N	3.0	700	700	100	150	1.0	30	70
MEH0506	--	300	N	5.0	1,000	700	300	150	1.5	20	50
MEH0510	--	700	N	15.0	1,500	700	150	500	<1.0	100	200
MEH0512	--	500	N	10.0	1,500	1,000	500	200	1.0	50	70
MEH0516	--	200	N	5.0	1,000	1,000	200	300	1.0	20	30
ELM0390	--	150	N	5.0	700	500	N	150	1.5	30	30
ELM0378	--	100	N	5.0	700	500	N	50	1.0	10	30
ELM0380	--	200	N	5.0	700	1,000	100	50	1.0	10	30
ELM0382	--	70	N	3.0	500	1,000	150	50	1.0	7	30
MEH0514	--	300	N	7.0	1,000	700	300	300	1.0	20	50
MEH0470	--	70	N	1.5	500	700	200	70	2.0	10	20
MEH0486	--	150	N	3.0	1,000	700	500	50	2.0	30	70
MEH0484	--	70	N	2.0	1,000	300	N	70	5.0	<5	20
MEH0480	--	100	N	3.0	700	300	N	70	3.0	5	30
MEH0488	--	70	N	2.0	500	300	N	50	2.0	15	30

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLTO588	2.00	.50	50	30	N	10	200	N	N	.500
RLTO566	1.50	.30	30	20	N	7	150	N	N	.300
RLTO568	2.00	.50	50	30	N	10	200	N	N	.500
RLTO580	1.50	.50	50	20	N	10	300	10	N	.700
ELMO464	3.00	.50	50	30	N	10	300	N	N	.700
RLTO593	2.00	.50	50	30	N	10	200	15	N	.700
RLTO564	2.00	.50	30	20	N	10	200	N	N	.500
ELMO460	1.50	.50	30	30	N	15	300	N	N	.700
ELMO498	.70	.30	30	30	N	15	300	N	N	.500
ELMO488	1.50	.30	30	20	N	7	200	N	N	.500
ELMO432	.70	.30	30	100	N	10	500	N	N	1.000
RLTO576	1.50	.50	70	150	N	10	300	N	N	1.000
ELMO478	1.50	.50	30	30	N	10	300	N	N	.700
ELMO466	2.00	.50	30	20	N	7	200	N	N	.500
ELMO496	1.50	.50	30	20	N	10	300	N	N	.700
RLTO595	1.50	.50	30	30	N	10	200	N	N	.700
RLTO590	2.00	.50	30	30	N	10	200	N	N	.700
MEHO504	1.50	.70	30	30	N	15	200	N	N	.500
MEHO498	1.00	.50	30	30	N	7	300	N	N	.500
MEHO494	1.50	1.00	30	30	N	15	300	N	N	.700
ELMO354	1.50	.30	30	30	N	7	700	N	N	.500
ELMO364	1.50	.30	30	20	N	7	500	N	N	.300
ELMO374	3.00	.70	30	30	N	7	300	N	N	.200
ELMO384	1.50	.30	30	150	N	7	1,000	N	30	.700
MEHO508	1.50	.50	30	30	N	10	500	N	N	1.000
ELMO366	2.00	.50	N	20	N	7	500	N	N	.500
ELMO376	3.00	.30	30	20	N	5	300	N	N	.300
MEHO500	.70	.70	30	20	N	7	200	N	N	.500
ELMO386	7.00	.50	50	30	N	7	200	N	N	.300
MEHO490	1.50	1.00	30	30	N	20	300	N	N	.700
ELMO388	5.00	.70	30	50	N	20	200	N	N	.500
MEHO506	1.50	.50	30	30	N	15	300	N	N	.700
MEHO510	1.00	.70	30	70	N	20	1,000	N	N	1.000
MEHO512	2.00	.70	30	30	N	15	200	N	N	.700
MEHO516	1.00	.70	30	30	N	10	300	N	N	.500
ELMO390	7.00	.70	100	70	N	15	300	N	N	.500
ELMO378	7.00	.70	30	70	N	7	300	N	N	.500
ELMO380	1.50	.70	30	30	N	7	500	N	N	.500
ELMO382	2.00	.50	50	20	N	5	200	N	N	.300
MEHO514	1.50	.70	30	30	N	15	300	N	N	.700
MEHO470	1.00	.30	30	50	N	5	150	N	N	.200
MEHO486	2.00	.70	30	50	N	15	700	N	N	.500
MEHO484	.30	.30	30	50	N	5	500	N	<20	.300
MEHO480	.50	.30	50	70	N	5	500	N	20	.300
MEHO488	.70	.50	30	50	N	10	200	N	N	.200

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
MEH0472	30 40 46	109 36 0	15	N	50	35	15	N	N	.02	20
MEH0468	30 41 46	109 35 45	15	N	30	45	15	N	N	<.02	30
MEH0482	30 34 37	109 37 33	10	N	70	35	7	N	N	.04	N
MEH0478	30 37 16	109 37 0	20	N	50	30	15	N	N	.02	10
MEH0492	30 26 50	109 32 18	30	N	30	55	20	N	N	.02	20
MEH0476	30 37 55	109 36 45	30	N	30	30	20	N	N	<.02	10
MEH0474	30 39 43	109 35 39	15	N	30	20	15	N	N	N	20
ELM0396	30 51 50	109 33 45	30	N	30	50	30	N	N	.02	10
ELM0448	30 22 30	109 28 45	30	N	150	130	20	N	N	.02	40
ELM0452	30 23 20	109 29 30	30	N	100	100	20	N	N	.02	60
ELM0438	30 13 1	109 21 16	30	N	30	40	30	N	N	<.02	10
ELM0434	30 10 36	109 19 39	30	N	70	55	15	N	N	.04	30
ELM0446	30 17 47	109 23 46	30	N	50	40	30	N	N	.02	30
JGF0524	30 15 57	109 41 30	700	S	150	280	20	7.0	N	.04	30
ELM0458	30 24 50	109 29 30	50	N	500	110	50	N	N	.06	80
JGF0518	30 18 18	109 41 7	150	N	200	320	20	1.0	N	.04	30
JGF0507	30 27 34	109 41 48	50	<5	30	55	15	N	N	.02	10
JGF0516	30 21 4	109 41 11	2,000	5	100	1,100	70	1.5	N	.08	20
JGF0493	30 38 25	109 28 39	20	N	50	25	15	N	N	.04	20
JGF0494	30 38 25	109 28 39	30	N	50	40	10	N	N	.02	30
JGF0503	30 23 50	109 42 16	200	N	30	95	15	1.0	N	.04	20
JGF0505	30 25 55	109 42 46	50	N	50	55	15	<.5	N	.02	N
JGF0499	30 36 45	109 37 48	30	N	70	50	15	N	N	.02	10
JGF0491	30 29 47	109 41 3	30	N	50	35	20	N	N	.02	20
JGF0488	30 29 6	109 40 56	30	N	50	35	20	N	N	.02	10
JGF0497	30 38 17	109 36 36	20	N	50	45	15	N	N	.02	10
JGF0501	30 33 11	109 39 15	15	N	50	40	10	N	N	.02	10
JGF0477	30 36 53	109 37 58	30	N	50	35	15	N	N	.02	10
JGF0479	30 36 8	109 41 58	30	N	100	70	15	N	N	.04	20
JGF0475	30 37 41	109 38 21	20	N	70	55	15	N	N	.02	20
JGF0482	30 34 41	109 41 9	20	N	100	75	15	N	N	<.02	20
JGF0471	30 38 5	109 37 15	20	N	50	40	10	N	N	.02	20
JGF0484	30 34 30	109 38 57	30	N	70	50	15	N	N	.04	10
JGF0486	30 34 49	109 38 3	30	N	50	40	15	N	N	N	10
JGF0473	30 37 55	109 38 15	20	N	70	40	10	N	N	<.02	10
ELM0404	30 56 51	109 32 27	15	N	30	35	15	N	N	.02	20
ELM0412	30 43 6	109 34 6	30	<5	50	50	20	N	N	.02	40
ELM0420	30 34 39	109 23 30	15	N	30	35	15	N	N	.04	20
ELM0410	30 45 6	109 34 36	20	N	30	40	15	N	N	.02	10
ELM0430	30 26 12	109 40 52	30	N	30	55	30	N	N	.06	10
ELM0440	30 14 15	109 21 11	20	N	30	40	20	N	N	.04	10
ELM0422	30 32 47	109 23 18	20	N	30	30	10	N	N	<.02	<10
ELM0406	30 47 28	109 34 9	30	N	50	55	50	N	N	.02	30
ELM0428	30 26 49	109 41 18	30	N	30	40	20	N	N	.04	10
ELM0444	30 15 23	109 21 48	30	N	50	45	20	N	N	.08	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
MEH0472	--	200	N	5.0	1,000	700	300	50	1.5	5	30
MEH0468	--	300	N	5.0	1,000	700	200	200	1.0	5	30
MEH0482	--	100	N	3.0	1,500	500	N	50	3.0	<5	30
MEH0478	--	200	N	7.0	1,000	500	150	70	2.0	30	100
MEH0492	--	200	N	5.0	1,000	700	500	15	1.5	50	100
MEH0476	--	200	N	5.0	1,000	700	300	50	1.0	70	300
MEH0474	--	150	N	2.0	700	700	300	30	1.5	30	50
ELM0396	--	500	N	10.0	1,000	700	200	30	<1.0	20	50
ELM0448	--	150	N	5.0	1,500	700	300	70	1.0	20	150
ELM0452	--	200	N	5.0	1,500	700	700	50	1.0	50	150
ELM0438	--	300	N	7.0	1,000	700	500	20	1.0	70	100
ELM0434	--	200	N	5.0	700	700	150	100	1.0	20	70
ELM0446	--	200	N	7.0	700	700	500	30	1.0	20	100
JGF0524	--	200	N	7.0	1,000	700	300	70	1.0	20	50
ELM0458	--	500	N	10.0	2,000	700	300	150	<1.0	50	200
JGF0518	--	300	N	7.0	1,500	700	300	150	<1.0	20	50
JGF0507	--	200	N	5.0	700	1,000	300	50	1.0	20	100
JGF0516	--	500	<50	7.0	2,000	1,000	300	70	1.0	50	150
JGF0493	--	200	N	7.0	1,000	700	100	50	2.0	10	20
JGF0494	--	150	<50	3.0	1,000	1,000	100	50	2.0	7	15
JGF0503	--	200	N	5.0	700	1,000	700	70	1.5	30	50
JGF0505	--	200	N	5.0	700	1,000	300	50	2.0	15	30
JGF0499	--	300	N	10.0	1,500	1,000	200	70	1.0	30	100
JGF0491	--	200	N	10.0	1,000	1,000	500	100	1.0	70	200
JGF0488	--	200	N	7.0	700	1,000	500	70	1.0	70	300
JGF0497	--	200	N	10.0	1,500	1,500	150	70	1.0	20	70
JGF0501	--	150	N	7.0	700	1,000	100	100	<1.0	10	50
JGF0477	--	300	N	10.0	1,500	700	200	70	1.5	10	150
JGF0479	--	200	N	7.0	1,500	1,000	300	70	1.0	50	150
JGF0475	--	200	N	7.0	1,000	1,000	300	70	1.0	30	150
JGF0482	--	200	N	7.0	1,000	700	150	70	1.0	10	70
JGF0471	--	100	N	5.0	700	1,000	200	50	1.0	20	30
JGF0484	--	200	N	7.0	1,500	1,000	300	100	1.0	15	50
JGF0436	--	300	N	10.0	2,000.	1,000	200	70	<1.0	15	70
JGF0473	--	150	N	5.0	1,000	1,000	300	70	2.0	15	70
ELM0404	--	200	N	5.0	1,000	1,000	300	70	2.0	15	30
ELM0412	--	300	N	5.0	1,000	1,000	500	200	1.0	30	50
ELM0420	--	150	N	5.0	700	1,000	500	70	1.5	20	30
ELM0410	--	150	N	5.0	700	1,000	300	200	1.5	20	30
ELM0430	--	300	N	7.0	1,000	700	700	50	1.0	70	150
ELM0440	--	200	N	7.0	1,500	1,000	200	70	1.0	20	100
ELM0422	--	100	N	3.0	300	700	500	15	1.0	20	100
ELM0406	--	700	N	10.0	1,500	700	N	200	<1.0	70	500
ELM0428	--	200	N	7.0	500	700	700	100	1.0	50	300
ELM0444	--	300	N	7.0	1,500	700	500	70	1.0	50	150

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0472	1.00	.30	30	70	N	10	1,000	N	N	1.000
MEH0468	2.00	.70	30	50	N	10	500	N	N	.700
MEH0482	.50	.70	30	50	N	7	500	N	20	.300
MEH0478	.70	.70	30	50	N	10	500	N	N	.500
MEH0492	1.50	1.00	30	20	N	15	200	N	N	.500
MEH0476	1.50	1.00	30	50	N	10	300	N	N	.500
MEH0474	1.50	.70	30	30	N	7	200	N	N	.300
ELM0396	1.50	.50	50	50	N	20	300	N	N	.700
ELM0448	1.00	.70	30	70	N	10	700	N	N	.500
ELM0452	1.50	1.00	30	20	N	15	200	N	N	.700
ELM0438	2.00	1.00	30	20	N	15	300	N	N	.700
ELM0434	1.00	.70	30	20	N	10	300	N	N	.500
ELM0446	1.50	.70	30	15	N	10	500	N	N	.700
JGF0524	1.50	1.00	30	20	N	15	200	N	N	.500
ELM0458	1.50	1.00	30	20	N	15	300	N	N	.700
JGF0518	1.50	1.00	30	20	N	15	300	N	N	.500
JGF0507	1.50	.70	50	50	N	10	200	N	N	.500
JGF0516	1.50	.70	30	50	N	20	1,000	N	N	.700
JGF0493	.70	.50	30	30	N	10	300	N	<20	.500
JGF0494	1.50	.50	50	30	N	7	300	N	N	.300
JGF0503	3.00	.70	30	30	100	15	300	N	N	.300
JGF0505	1.50	.70	50	20	N	10	300	N	N	.300
JGF0499	1.00	.50	50	50	N	15	>1,000	N	<20	1.000
JGF0491	2.00	1.00	30	30	N	15	300	N	N	.500
JGF0488	2.00	1.50	50	30	N	10	500	N	N	.700
JGF0497	1.00	.50	50	50	N	10	300	N	20	.700
JGF0501	.70	.50	30	30	N	7	300	N	N	.500
JGF0477	1.00	.50	30	50	N	10	700	N	N	1.000
JGF0479	1.00	.70	30	30	N	10	700	N	N	.700
JGF0475	.70	.70	30	30	N	10	500	N	N	.700
JGF0482	.50	.50	N	30	N	7	700	N	<20	.500
JGF0471	.70	.50	50	20	N	5	300	N	N	.300
JGF0484	.70	.50	50	150	N	10	300	N	N	.700
JGF0486	.70	.30	50	50	N	10	700	N	N	1.000
JGF0473	.70	.50	50	30	N	7	300	N	N	.300
ELM0404	1.50	.50	50	50	N	7	500	N	N	.500
ELM0412	2.00	1.00	30	70	N	15	300	N	N	.500
ELM0420	2.00	.70	30	30	N	10	200	N	N	.300
ELM0410	1.50	.70	50	30	N	10	200	N	N	.300
ELM0430	2.00	1.50	30	30	N	20	200	N	N	.700
ELM0440	1.00	.50	50	50	N	15	300	N	N	.700
ELM0422	1.50	.50	50	20	N	7	70	N	N	.300
ELM0406	2.00	.70	30	50	N	15	1,000	N	N	>1.000
ELM0428	1.50	.70	50	30	N	10	300	N	N	.500
ELM0444	1.50	.50	30	30	N	10	300	N	N	1.000

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm aa	Co-ppm s	Ag-ppm s	Au-ppm aa	Hg-ppm inst	As-ppm cm
RLT0648	30 25 45	110 10 46	20	N	50	50	15	N	N	.08	30
JGF0590	30 19 35	110 21 12	50	N	200	80	15	1.5	<.05	.14	40
JGF0627	30 12 15	110 13 42	20	N	1,000	530	7	10.0	N	.30	40
RLT0688	30 21 45	110 6 51	30	N	50	60	15	N	N	.06	30
RLT0674	30 23 30	110 3 27	30	N	70	65	15	N	N	.08	20
JGF0619	30 17 19	110 11 12	50	N	50	60	20	N	N	.06	20
JGF0621	30 14 15	110 12 18	50	N	50	60	50	100.0	.80	.30	30
JGF0613	30 19 14	110 10 27	30	N	50	60	15	N	N	.14	20
JGF0615	30 18 57	110 10 50	30	N	70	60	20	N	N	.08	20
JGF0625	30 12 18	110 14 3	30	N	50	65	30	<.5	N	.10	30
JGF0623	30 14 27	110 12 34	30	N	50	55	15	N	N	.06	20
JGF0617	30 17 35	110 11 3	50	N	50	60	30	N	N	.10	20
RLT0712	30 18 9	109 57 28	20	N	70	45	15	N	N	.10	10
JGF0611	30 19 53	110 8 47	20	N	70	60	20	N	N	.10	30
RLT0694	30 17 44	109 55 32	15	N	200	150	15	N	N	.12	30
ELM0502	30 22 20	110 33 36	20	N	50	65	15	N	N	.06	40
RLT0716	30 20 1	109 59 22	15	N	30	35	15	N	N	.04	20
ELM0506	30 24 34	110 32 39	30	N	50	65	15	N	N	.06	20
ELM0532	30 34 39	110 37 54	30	10	30	75	15	N	N	.08	30
RLT0698	30 13 4	109 57 49	30	N	50	45	15	N	N	.08	20
ELM0542	30 21 27	110 36 59	50	N	50	95	20	N	N	.02	30
RLT0704	30 16 18	109 57 27	20	N	30	45	15	N	N	.04	40
RLT0710	30 17 40	109 57 5	20	N	100	65	15	<.5	N	.04	20
RLT0592	30 20 18	109 47 48	30	N	70	65	50	N	N	.06	20
ELM0528	30 36 1	110 37 38	100	N	50	60	50	N	N	<.02	10
ELM0516	30 29 59	110 34 6	100	5	70	120	30	N	N	.12	40
RLT0714	30 18 54	109 57 21	10	N	300	180	15	1.0	N	.10	40
ELM0536	30 22 34	110 37 27	30	N	200	160	15	N	N	.06	60
ELM0530	30 33 14	110 38 30	20	N	50	55	15	N	N	.04	30
ELM0510	30 26 47	110 32 45	30	N	50	55	20	N	N	.10	40
ELM0540	30 22 18	110 36 53	50	N	300	220	20	1.5	N	.04	40
ELM0518	30 32 2	110 33 0	30	N	30	60	20	N	N	.04	30
ELM0504	30 24 43	110 33 0	30	N	50	70	15	N	N	.10	40
ELM0508	30 27 13	110 33 12	30	N	70	70	15	N	N	.10	40
ELM0544	30 20 26	110 37 44	30	N	100	90	15	N	N	.10	30
ELM0512	30 28 48	110 34 5	50	N	50	65	20	5.0	N	.02	10
ELM0524	30 39 30	110 39 56	20	N	30	60	15	N	N	.04	20
ELM0522	30 39 19	110 39 23	20	N	30	70	15	N	N	.02	30
ELM0520	30 33 6	110 34 8	30	10	100	75	15	.5	N	.02	40
ELM0534	30 22 22	110 37 39	20	N	50	60	10	N	N	.20	20
ELM0546	30 22 49	110 37 33	70	200	7,000	2,100	30	20.0	3.50	.18	400
ELM0514	30 28 41	110 33 21	30	N	50	60	20	N	N	.08	60
ELM0526	30 39 0	110 40 27	100	15	1,000	75	15	.7	.05	.04	20

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm aa	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
RLT0648	--	150	N	5.0	500	500	500	70	1.0	30	100
JGF0590	--	150	N	5.0	700	700	200	300	1.5	30	30
JGF0627	--	70	N	3.0	3,000	1,000	100	300	2.0	10	20
RLT0688	--	200	N	5.0	500	1,000	700	100	1.0	30	100
RLT0674	--	200	N	5.0	700	1,000	300	150	1.5	30	30
JGF0619	--	300	N	7.0	700	1,000	700	150	1.0	50	150
JGF0621	--	300	N	5.0	1,000	1,500	500	150	1.0	70	300
JGF0613	--	200	N	5.0	500	1,000	500	100	1.0	30	150
JGF0615	--	300	N	7.0	1,000	1,000	500	150	1.0	50	150
JGF0625	--	200	N	10.0	700	1,000	500	150	1.0	50	150
JGF0623	--	300	N	7.0	700	1,000	500	150	1.0	50	100
JGF0617	--	500	N	10.0	1,000	1,000	500	200	1.0	70	200
RLT0712	--	200	N	7.0	1,000	700	500	150	1.5	30	100
JGF0611	--	200	N	7.0	1,000	1,000	700	100	<1.0	30	150
RLT0694	--	100	N	5.0	1,000	700	150	200	1.5	30	50
ELM0502	--	100	N	5.0	700	700	300	200	1.0	30	100
RLT0716	--	200	N	5.0	700	700	100	150	1.5	30	70
ELM0506	--	300	N	7.0	700	1,000	N	150	1.0	70	150
ELM0532	--	200	N	5.0	700	1,000	N	100	1.0	30	100
RLT0698	--	200	N	5.0	1,000	700	700	70	1.0	20	70
ELM0542	--	300	N	5.0	700	1,000	500	100	1.0	70	200
RLT0704	--	200	N	5.0	500	500	500	150	1.0	15	100
RLT0710	--	300	N	7.0	1,500	700	100	300	1.0	10	50
RLT0592	--	700	N	15.0	1,500	700	300	150	<1.0	200	300
ELM0528	--	300	N	7.0	1,500	700	500	150	2.0	100	300
ELM0516	--	300	N	7.0	1,500	1,000	500	150	1.0	100	300
RLT0714	--	150	N	3.0	1,000	1,000	N	150	1.0	10	50
ELM0536	--	200	N	5.0	700	1,000	N	200	<1.0	50	100
ELM0530	--	200	N	5.0	1,000	1,000	200	150	<1.0	50	150
ELM0510	--	300	N	7.0	1,500	1,000	700	100	<1.0	300	150
ELM0540	--	300	N	7.0	1,500	1,000	500	70	1.0	100	150
ELM0518	--	500	N	10.0	1,500	700	300	100	1.0	70	300
ELM0504	--	200	N	5.0	700	700	500	200	<1.0	50	200
ELM0508	--	300	N	7.0	1,000	700	500	200	1.0	50	300
ELM0544	--	300	N	7.0	1,000	1,000	500	100	1.5	50	100
ELM0512	--	300	N	10.0	1,500	500	N	500	1.0	30	30
ELM0524	--	150	N	5.0	700	700	N	150	1.0	30	70
ELM0522	--	150	N	5.0	700	700	200	100	1.0	30	70
ELM0520	--	200	N	7.0	700	1,000	100	150	2.0	50	150
ELM0534	--	100	N	5.0	700	700	500	150	1.5	30	100
ELM0546	--	300	<50	15.0	5,000	>5,000	500	100	2.0	70	300
ELM0514	--	200	N	10.0	1,000	700	300	200	1.0	50	300
ELM0526	--	300	N	10.0	1,000	1,000	200	300	1.5	70	200

Analytical data for stream sediment samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLT0648	2.00	.70	50	20	N	10	200	N	N	.300
JGF0590	1.00	.70	50	50	N	15	300	N	N	.500
JGF0627	.50	.30	50	30	N	10	200	N	N	.500
RLT0688	2.00	.50	50	20	N	10	200	N	N	.500
RLT0674	1.50	.50	50	20	N	10	200	N	N	.500
JGF0619	2.00	.70	50	20	N	15	300	N	N	.700
JGF0621	1.50	1.00	30	30	N	20	200	N	N	.700
JGF0613	1.50	.50	30	20	N	10	300	N	N	.500
JGF0615	2.00	.70	100	20	N	15	200	N	N	.700
JGF0625	2.00	.70	30	30	N	20	500	N	N	.700
JGF0623	2.00	.70	30	30	N	15	500	N	N	.700
JGF0617	2.00	.70	100	50	N	15	300	N	N	.700
RLT0712	1.50	1.00	70	50	N	15	300	N	N	.700
JGF0611	2.00	1.00	50	30	N	15	300	N	N	.500
RLT0694	.50	.70	50	30	N	10	300	N	N	.300
ELM0502	2.00	.70	30	30	N	10	300	N	N	.500
RLT0716	.70	.70	50	30	N	7	300	N	N	.500
ELM0506	1.50	.70	20	30	N	15	500	N	N	.500
ELM0532	2.00	.70	20	30	N	7	500	N	N	.300
RLT0698	1.50	.70	30	30	N	10	300	N	N	.700
ELM0542	1.50	1.00	50	50	N	15	300	N	N	.700
RLT0704	1.50	1.00	30	50	N	10	200	N	N	.300
RLT0710	1.50	.70	30	30	N	10	500	N	N	.500
RLT0592	1.00	.70	30	100	N	15	>1,000	N	N	1.000
ELM0528	2.00	1.50	50	50	N	30	300	N	N	.700
ELM0516	3.00	1.50	30	30	N	20	300	N	N	.700
RLT0714	1.00	.70	30	30	N	10	300	N	N	.700
ELM0536	.70	.70	50	20	N	10	300	N	N	.500
ELM0530	5.00	.70	50	20	N	10	300	N	N	.500
ELM0510	3.00	1.00	30	30	N	15	500	N	N	.700
ELM0540	1.50	1.00	50	50	N	20	300	N	N	.700
ELM0518	3.00	1.00	30	30	N	15	700	N	N	.700
ELM0504	2.00	1.50	30	30	N	15	300	N	N	.500
ELM0508	2.00	1.50	70	50	N	20	300	N	N	.700
ELM0544	1.50	1.00	50	30	N	15	500	N	N	.700
ELM0512	1.00	1.50	30	30	N	30	150	N	N	.500
ELM0524	1.00	1.00	50	50	N	10	300	N	N	.300
ELM0522	1.50	1.00	30	30	N	15	300	N	N	.300
ELM0520	1.50	.70	30	50	N	15	300	N	N	.700
ELM0534	2.00	1.00	30	30	N	10	200	N	N	.500
ELM0546	2.00	1.00	50	30	N	20	500	N	N	.700
ELM0514	3.00	1.00	50	30	N	15	200	N	N	.700
ELM0526	1.50	1.50	30	50	N	20	300	N	N	1.000

TABLE 2

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico

(Abbreviations and detection limits on last page.)

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
[illegible]	31 2 9	110 37 49	100	10	200	N	N	10	N	N	N
[illegible]	31 17 27	110 48 10	10	20	30	N	N	N	N	N	N
[illegible]	31 9 35	111 15 1	10	N	70	N	N	N	N	N	N
[illegible]	31 11 27	110 36 8	<10	N	20	N	N	N	N	N	N
[illegible]	31 15 47	110 46 42	20	N	150	N	N	N	N	N	N
[illegible]	31 14 51	110 35 19	10	10	50	N	N	10	N	N	N
[illegible]	31 10 11	110 43 10	10	N	50	N	N	N	N	N	N
[illegible]	31 12 29	110 35 28	<10	N	150	N	N	N	N	N	N
[illegible]	31 8 0	110 38 37	10	15	50	N	N	N	N	N	N
[illegible]	31 2 22	110 36 50	N	30	30	N	N	N	N	N	N
[illegible]	31 15 31	110 46 50	N	15	50	N	N	N	N	N	N
[illegible]	31 15 36	111 5 18	15	10	70	N	N	15	N	N	N
[illegible]	31 11 21	111 6 7	50	N	150	N	N	10	N	N	N
[illegible]	31 12 58	111 9 31	70	30	20,000	N	N	10	100.0	N	200
[illegible]	31 8 11	110 15 17	70	N	150	N	N	N	N	N	N
[illegible]	31 15 8	110 56 46	15	10	100	N	N	20	N	N	N
[illegible]	31 12 17	111 7 34	500	100	5,000	1,000	<50	N	15.0	N	300
[illegible]	31 12 33	111 8 50	15	10	5,000	N	N	N	N	N	N
[illegible]	31 12 14	111 8 48	30	15	500	N	N	15	N	N	N
[illegible]	31 12 29	110 58 1	20	N	150	N	N	N	2.0	N	N
[illegible]	31 4 0	111 5 28	100	70	300	N	N	10	N	N	N
[illegible]	31 7 42	111 7 22	200	500	5,000	1,000	N	30	N	N	N
[illegible]	31 15 18	110 56 20	30	30	150	N	N	10	N	N	N
[illegible]	31 4 50	111 4 45	150	10	100	N	N	N	N	N	N
[illegible]	31 12 36	110 58 3	70	10	100	N	N	N	N	N	N
[illegible]	31 13 1	111 9 21	100	10	300	N	N	20	N	N	N
[illegible]	31 13 50	110 57 58	100	10	150	N	N	20	N	N	<200
[illegible]	31 5 7	111 4 37	100	10	200	N	N	20	N	N	N
[illegible]	31 7 57	111 6 6	100	20	300	1,000	N	20	N	N	N
[illegible]	31 6 36	111 6 4	200	100	3,000	N	N	10	70.0	N	N
[illegible]	31 10 41	111 10 40	100	N	300	N	N	10	N	N	N
[illegible]	31 3 55	111 5 12	50	N	100	N	N	N	N	N	N
[illegible]	31 11 35	111 6 2	100	N	200	N	N	10	N	N	N
[illegible]	31 7 24	111 6 45	20	100	700	N	N	N	N	N	N
[illegible]	31 12 35	111 7 34	150	10	10,000	N	N	N	200.0	700	<200
[illegible]	31 15 23	111 7 19	50	N	200	N	N	30	N	N	N
[illegible]	31 4 34	111 4 2	30	N	70	N	N	N	N	N	N
[illegible]	31 8 4	111 8 27	20	150	500	1,000	N	N	N	N	N
[illegible]	31 4 11	111 5 34	50	N	200	N	N	N	N	N	N
[illegible]	31 13 59	111 0 2	30	N	200	N	N	N	N	N	N
[illegible]	31 18 38	110 52 20	15	N	30	N	N	N	N	N	N
[illegible]	31 10 42	111 15 3	20	N	100	N	N	N	N	N	N
[illegible]	31 18 36	110 53 3	100	N	5,000	N	N	20	N	N	N
[illegible]	31 13 37	110 52 20	10	N	150	N	N	N	N	N	N
[illegible]	31 4 41	111 4 2	15	N	500	N	N	N	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.N.M. regional reconnaissance, northern Sonora, Mexico

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
MEH0220	N	300	N	5.0	1,500	>10,000	1,000	1,500	3	15	100
MEH0162	N	300	N	1.0	500	1,000	300	20	N	10	<20
LCH0083	N	200	N	3.0	700	1,000	200	150	3	15	30
JGF0167	N	20	N	1.0	500	700	N	N	N	15	N
MEH0152	N	100	N	1.0	300	1,000	N	N	N	10	N
JGF0202	N	150	N	3.0	3,000	700	7,000	N	N	30	300
MEH0196	N	300	N	2.0	700	200	N	20	N	10	30
JGF0162	N	50	N	1.5	700	500	N	50	N	10	N
MEH0165	N	300	N	1.5	1,500	200	N	20	N	10	50
MEH0216	N	700	N	2.0	1,000	50	N	100	N	N	70
MEH0190	N	500	N	1.5	1,000	50	N	N	N	10	50
GHA0117	N	300	N	15.0	1,000	5,000	200	70	2	30	200
GHA0212	N	150	100	7.0	5,000	1,500	N	100	3	15	N
GHA0187	N	100	N	7.0	1,500	10,000	700	100	2	15	15
JGF0286	N	200	N	7.0	700	1,500	N	50	2	10	50
ELM0165	N	200	N	7.0	1,500	1,000	N	1,000	2	100	700
GHA0206	N	70	200	3.0	500	>10,000	200	30	5	10	20
GHA0194	N	500	N	3.0	700	>10,000	200	30	30	10	30
GHA0197	N	200	N	7.0	3,000	>10,000	1,500	70	3	10	50
ELM0174	1,500	300	N	1.5	500	3,000	N	70	7	10	<20
RLT0124	<20	200	<100	5.0	1,000	1,500	N	1,000	5	15	N
LCH0153	20	100	100	15.0	>10,000	3,000	1,000	5,000	10	10	<20
ELM0162	N	100	N	5.0	1,500	1,500	N	1,000	2	15	150
RLT0115	N	100	150	3.0	700	1,000	N	700	5	10	N
ELM0171	<20	150	N	5.0	1,500	2,000	N	1,000	7	15	20
GHA0190	20	300	N	10.0	7,000	7,000	200	50	7	10	30
ELM0168	30	200	<100	20.0	7,000	1,500	N	3,000	15	10	50
RLT0106	N	150	N	7.0	2,000	1,000	N	1,000	10	10	30
LCH0150	N	150	<100	10.0	2,000	1,000	N	200	15	15	20
RLT0121	20	300	<100	10.0	700	700	N	200	5	15	20
GHA0181	500	150	N	7.0	3,000	2,000	N	150	5	15	30
RLT0127	N	70	N	2.0	700	500	N	200	2	N	N
GHA0209	N	200	N	5.0	700	10,000	N	50	N	N	20
LCH0156	N	30	N	2.0	700	1,500	N	100	2	N	N
GHA0203	N	150	100	2.0	500	>10,000	300	50	3	N	150
GHA0227	N	300	N	20.0	2,000	>10,000	2,000	50	3	50	300
RLT0112	N	70	N	2.0	700	1,500	N	300	3	N	N
LCH0147	N	30	N	1.5	500	1,000	N	50	2	N	N
RLT0130	30	100	100	1.0	300	1,000	N	200	N	N	N
JGF0223	N	700	N	5.0	1,000	1,000	N	50	30	N	50
ELM0157	N	200	N	1.0	300	300	N	70	15	N	30
ELM0184	N	200	N	2.0	500	500	N	200	10	N	30
ELM0160	300	500	N	3.0	1,000	300	N	100	15	N	700
JGF0214	150	300	N	1.0	300	1,000	N	100	3	N	N
RLT0109	N	50	N	1.5	300	700	N	300	N	N	N

GHA0126

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0220	3.00	1.00	300	200	N	30	2,000	20	N	>2.00
MEH0162	5.00	.20	500	200	<200	N	1,000	20	70	>2.00
LCH0033	3.00	.50	300	300	N	20	>2,000	30	50	>2.00
JGF0167	.20	.20	N	N	N	N	500	N	N	.20
MEH0152	.70	.10	150	300	N	30	>2,000	N	N	.70
JGF0232	50.00	2.00	1,500	300	N	30	>2,000	N	N	.70
MEH0196	10.00	.20	700	500	700	50	>2,000	70	50	>2.00
JGF0162	.50	.20	150	100	N	N	>2,000	N	N	.70
MEH0165	15.00	.30	1,500	2,000	700	50	>2,000	70	50	>2.00
MEH0216	10.00	.20	1,500	2,000	1,000	70	>2,000	70	100	>2.00
MEH0190	10.00	.10	1,000	500	N	30	>2,000	70	100	>2.00
GHA0117	1.00	1.00	150	150	N	30	>2,000	50	<50	1.50
GHA0212	.20	.50	300	100	N	N	2,000	N	<50	.70
GHA0187	5.00	1.50	100	70	N	20	1,000	N	N	.50
JGF0246	1.50	.70	300	300	N	30	>2,000	50	<50	2.00
ELY0165	5.00	3.00	50	100	N	50	>2,000	N	<50	.70
GHA0206	.50	.30	300	300	N	15	>2,000	200	N	1.00
GHA0194	10.00	.70	100	100	N	N	>2,000	500	N	.70
GHA0197	10.00	1.50	300	100	N	15	2,000	20	50	1.50
ELY0174	1.00	.30	500	>2,000	2,000	70	>2,000	200	50	>2.00
RLT0124	.20	1.00	300	200	200	20	>2,000	30	50	1.50
LCH0153	.20	1.50	300	150	N	20	>2,000	20	50	1.50
ELY0162	.70	1.00	150	150	N	10	>2,000	20	<50	.70
RLT0115	.50	.70	300	150	N	15	>2,000	30	50	1.00
ELY0171	1.00	.70	700	500	200	30	>2,000	70	50	1.50
GHA0190	2.00	.50	150	150	N	15	>2,000	70	50	1.00
ELY0168	.50	.70	300	200	N	50	>2,000	70	50	1.50
RLT0106	.70	.70	500	500	200	30	>2,000	50	150	>2.00
LCH0150	.10	.70	200	300	N	20	>2,000	20	70	2.00
RLT0121	.70	.20	300	300	200	20	>2,000	30	150	>2.00
GHA0181	2.00	.50	300	200	N	20	>2,000	N	50	1.50
RLT0127	1.00	.30	100	100	N	10	2,000	N	N	.70
GHA0209	2.00	.20	300	300	N	15	>2,000	20	50	1.50
LCH0156	.15	.30	50	70	N	N	>2,000	N	N	.30
GHA0203	1.00	1.00	150	200	N	20	>2,000	300	N	.50
GHA0227	1.50	1.50	200	200	N	30	>2,000	150	<50	1.00
RLT0112	.20	.30	150	200	200	N	>2,000	20	<50	.50
LCH0147	.15	.20	100	200	N	10	>2,000	N	N	.50
RLT0130	.30	.20	300	200	N	15	>2,000	20	<50	.70
JGF0225	7.00	.30	1,500	>2,000	>2,000	150	>2,000	150	50	1.50
ELY0157	1.00	.15	200	500	200	30	>2,000	20	N	.70
ELY0184	.50	.30	300	500	200	50	>2,000	70	50	1.50
ELY0140	3.00	2.00	700	1,000	>2,000	100	>2,000	100	70	1.50
JGF0214	.20	.10	700	1,000	>2,000	50	>2,000	200	<50	1.50
RLT0119	.10	.20	N	70	N	N	2,000	N	N	.20

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
ELM0177	31 10 41	110 58 24	150	15	200	N	N	30	N	N	N
MEH0236	30 55 16	110 58 52	70	50	70	N	N	10	N	N	N
JGF0239	31 10 12	111 3 59	150	N	200	N	N	50	N	N	N
MEH0399	30 33 35	110 2 12	70	15	50	N	N	70	N	N	N
ELM0189	30 58 47	110 4 25	10	N	70	N	N	N	N	N	N
RLT0118	31 6 22	111 5 49	300	70	700	N	N	N	3.0	N	<200
GHA0230	31 17 56	111 9 36	300	N	200	N	N	N	N	N	N
JGF0242	31 10 10	111 2 50	70	1,000	20,000	N	N	N	10.0	N	<200
MEH0380	30 52 25	110 25 2	100	15	150	N	N	15	N	N	N
MEH0364	30 57 1	110 26 52	50	10	500	N	N	30	N	N	N
GHA0248	30 52 40	110 18 3	500	70	150	N	N	20	N	N	N
MEH0370	30 54 30	110 26 54	70	N	1,000	N	N	30	N	N	N
ELM0136	30 54 54	110 49 45	300	<10	200	700	N	10	20.0	N	N
ELM0144	31 0 9	110 53 5	20	20	150	N	N	10	N	N	N
ELM0139	30 54 36	110 52 50	10	<10	150	N	N	10	N	N	N
GHA0138	31 17 26	110 58 12	20	N	150	N	N	N	3.0	3,000	200
RLT0088	31 9 58	111 13 39	50	1,000	15,000	500	N	20	N	N	N
RLT0094	31 10 4	111 12 27	50	30	500	N	N	N	2.0	N	N
LCH0071	31 10 24	111 12 27	15	10	500	N	N	N	N	N	N
LCH0141	31 6 19	111 5 24	70	70	1,000	N	N	N	N	N	N
ELM0098	31 4 46	110 52 7	100	100	3,000	N	N	N	N	N	N
RLT0061	31 6 26	111 15 17	70	200	7,000	500	N	N	N	N	N
LCH0113	31 8 15	111 9 25	70	150	1,000	N	N	N	N	N	N
RLT0082	31 9 34	111 14 44	150	100	5,000	N	N	N	3.0	N	N
LCH0131	31 8 4	111 7 0	20	N	100	N	N	N	N	N	N
LCH0122	31 8 31	111 9 6	15	20	300	N	N	N	N	N	N
RLT0067	31 6 36	111 15 7	20	70	5,000	N	N	N	N	N	N
LCH0092	31 8 43	111 16 25	20	10	300	N	N	30	N	N	N
LCH0119	31 8 40	111 10 12	50	N	70	N	N	20	N	N	N
RLT0070	31 7 5	111 15 27	100	15	3,000	700	N	20	N	N	N
LCH0095	31 8 27	111 16 38	30	N	70	N	N	70	N	N	N
MEH0223	31 0 37	110 35 53	30	20	100	N	N	N	N	N	N
ELM0125	31 7 25	110 54 10	10	N	70	N	N	N	N	N	N
LCH0137	31 7 11	111 5 52	20	N	70	N	N	N	N	N	N
GHA0178	31 16 28	111 5 22	10	<10	70	N	N	10	N	N	N
GHA0166	31 18 34	111 0 19	10	N	50	N	N	20	N	N	N
RLT0073	31 7 50	111 15 48	500	70	7,000	2,000	50	150	1.0	N	N
LCH0134	31 7 39	111 6 25	150	70	2,000	N	N	N	N	N	N
RLT0064	31 6 27	111 15 4	100	150	7,000	500	N	50	N	N	N
LCH0101	31 7 41	111 17 54	30	150	100	N	N	10	N	N	N
GHA0129	31 16 12	110 59 35	200	70	2,000	N	N	20	N	N	200
JGF0199	31 12 16	110 34 58	20	<10	70	N	N	N	N	N	N
JGF0141	31 17 25	110 37 33	10	20	20	N	N	N	N	N	N
JGF0170	31 10 54	110 36 18	<10	N	70	N	N	N	N	N	N
GHA0126	31 15 9	111 1 36	15	N	100	N	N	N	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
ELM0177	.70	.70	700	300	200	50	2,000	100	150	1.50
MEH0236	7.00	.30	700	1,500	1,000	50	>2,000	150	150	>2.00
JGF0239	.15	.20	700	700	N	30	>2,000	150	70	1.00
MEH0399	3.00	2.00	50	50	N	20	300	N	N	.70
ELM0189	.20	.30	150	70	N	N	2,000	N	N	.70
RLT0118	.20	.20	150	150	N	N	>2,000	N	N	.70
GHA0230	.70	1.00	200	150	N	15	>2,000	N	N	.50
JGF0242	.20	.30	200	100	N	10	>2,000	700	N	.70
MEH0380	1.50	.50	50	30	N	10	200	N	N	.50
MEH0364	7.00	1.50	300	100	N	50	500	N	N	.70
GHA0248	2.00	1.00	150	70	N	15	700	N	50	2.00
MEH0370	3.00	.50	200	100	N	20	>2,000	N	N	2.00
ELM0136	2.00	.50	150	70	N	20	700	N	<50	.70
ELM0144	2.00	.70	300	300	N	20	1,000	20	70	2.00
ELM0139	1.50	.70	500	200	N	20	1,500	N	100	1.50
GHA0138	.50	.20	1,500	300	N	20	1,500	30	70	1.00
RLT0082	.50	.50	100	70	N	N	1,500	500	N	.50
RLT0094	.50	.50	200	150	N	10	>2,000	N	<50	1.00
LCH0071	2.00	.70	500	300	N	20	>2,000	30	70	2.00
LCH0141	.50	.50	300	500	200	20	>2,000	100	150	2.00
ELM0098	5.00	.30	300	1,000	700	30	>2,000	70	100	2.00
RLT0061	3.00	1.00	150	150	N	30	>2,000	N	50	1.50
LCH0113	.50	.30	500	1,500	1,500	30	>2,000	30	N	.70
RLT0082	1.00	.50	200	200	N	15	>2,000	N	N	.70
LCH0131	.10	.20	150	150	N	10	>2,000	N	N	.70
LCH0122	.50	.50	50	100	N	10	>2,000	N	N	.30
RLT0067	2.00	.70	70	70	N	10	>2,000	N	N	.50
LCH0092	7.00	10.00	300	200	N	50	>2,000	20	50	1.50
LCH0119	1.00	1.50	50	70	N	15	500	N	N	.50
RLT0070	2.00	1.00	500	150	N	20	>2,000	N	70	2.00
LCH0095	10.00	15.00	N	50	N	70	300	N	N	.70
MEH0223	7.00	.30	1,000	700	1,000	50	>2,000	70	70	>2.00
ELM0125	3.00	.10	500	>2,000	>2,000	100	>2,000	100	70	2.00
LCH0137	.30	.30	100	150	200	10	>2,000	N	N	.70
GHA0178	7.00	3.00	700	1,500	200	70	>2,000	50	70	>2.00
GHA0166	7.00	3.00	N	100	N	50	2,000	N	N	.70
RLT0073	5.00	2.00	200	200	N	50	2,000	N	<50	1.00
LCH0134	.50	.50	1,000	500	N	30	>2,000	70	150	2.00
RLT0064	10.00	1.50	300	150	N	30	1,500	N	N	1.00
LCH0101	5.00	1.00	70	150	N	15	>2,000	N	N	.70
GHA0129	.70	.20	2,000	>2,000	>2,000	200	>2,000	300	N	>2.00
JGF0199	10.00	.70	700	300	200	15	>2,000	500	N	.30
JGF0141	5.00	.10	1,000	500	200	30	>2,000	100	100	>2.00
JGF0170	.50	.15	N	150	N	N	>2,000	N	N	.20
GHA0126	.50	.20	2,000	>2,000	>2,000	200	>2,000	100	100	>2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
ELC0177	50	200	N	7.0	3,000	1,000	N	1,500.	10	N	30
MEH0236	70	700	200	3.0	700	500	N	300	N	N	30
JGF0239	150	50	N	2.0	300	>10,000	N	100	5	N	N
MEH0399	N	300	N	10.0	1,000	2,000	200	150	N	70	300
ELC0139	N	200	N	7.0	700	1,000	N	70	N	N	30
RLT0113	N	150	N	3.0	2,000	1,000	N	50	3	N	N
GMA0230	N	70	N	2.0	500	3,000	N	20	N	N	70
JGF0242	N	200	N	7.0	1,500	3,000	N	50	2	N	N
MEH0340	N	200	N	7.0	7,000	700	300	50	3	N	20
MEH0364	N	500	N	10.0	2,000	500	1,000	1,000	2	N	70
GMA0248	N	300	<100	7.0	1,500	5,000	300	500	3	N	100
MEH0370	N	300	N	15.0	3,000	1,000	300	100	2	N	100
ELM0126	N	150	150	7.0	1,500	1,000	N	200	3	N	20
ELM0144	N	300	N	5.0	1,000	1,500	N	150	3	N	30
ELM0139	N	150	<100	5.0	1,000	700	N	500	3	N	150
GMA0138	N	100	N	5.0	1,000	1,000	200	200	3	N	N
RLT0088	20	500	500	5.0	3,000	1,000	N	200	5	N	N
RLT0094	N	200	N	5.0	1,000	1,000	N	200	5	N	30
LCH0071	N	300	N	5.0	700	500	N	150	2	N	100
LCH0141	N	300	<100	5.0	700	300	N	200	5	N	20
ELM0093	N	300	100	2.0	1,000	1,000	N	70	7	N	20
RLT0061	N	1,000	<100	5.0	2,000	1,000	N	30	2	N	150
LCH0113	N	200	<100	2.0	700	500	N	150	7	N	N
RLT0062	<20	70	150	3.0	2,000	1,000	200	50	7	N	N
LCH0131	<20	70	N	5.0	700	500	N	50	3	N	N
LCH0122	N	150	N	3.0	700	700	N	50	N	N	30
RLT0067	30	500	100	3.0	1,000	700	200	300	3	N	30
LCH0092	N	300	N	7.0	1,000	300	200	300	2	150	2,000
LCH0119	N	200	N	7.0	1,000	500	200	300	N	100	150
RLT0070	N	500	500	7.0	5,000	1,000	N	70	10	N	50
LCH0095	N	500	N	15.0	2,000	N	N	200	N	500	5,000
MEH0223	N	500	N	2.0	700	100	N	700	N	N	100
ELC0125	N	500	N	3.0	700	1,000	N	20	10	N	<20
LCH0137	N	100	N	2.0	1,000	1,000	N	70	2	N	N
GMA0178	N	200	N	3.0	1,000	>10,000	200	50	5	100	500
GMA0166	N	300	N	5.0	1,000	500	200	30	N	70	200
RLT0073	200	300	150	30.0	>10,000	1,500	500	700	15	50	500
LCH0134	N	300	200	7.0	1,000	500	N	700	7	N	N
RLT0064	N	1,000	300	10.0	10,000	1,500	700	1,000	3	N	100
LCH0101	N	200	700	10.0	1,000	700	200	100	15	30	200
GMA0120	N	300	N	3.0	700	>10,000	N	30	20	N	50
JGF0199	N	200	N	1.5	700	1,000	1,000	20	N	20	100
JGF0141	N	300	N	1.0	500	100	N	<20	N	N	70
JGF0172	N	20	N	.7	700	500	N	20	N	N	N
GMA0126	N	300	N	2.0	500	2,000	N	50	15	N	50

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
MEH0203	31 8 52	110 37 43	15	30	200	N	N	10	N	N	N
EL[illegible]0152	30 58 23	110 52 13	10	N	70	N	N	N	N	1,500	N
MEH0218	31 2 26	110 36 20	10	50	70	N	N	15	N	N	N
MEH0137	31 9 49	110 36 3	<10	N	50	N	N	10	N	N	N
JGF0230	31 5 2	110 15 25	15	N	50	N	N	N	N	N	N
JGF0319	31 3 46	110 20 50	20	N	30	N	N	N	N	N	N
MEH0214	31 2 32	110 37 44	<10	N	N	N	N	N	N	N	N
JGF0196	31 11 20	110 35 24	10	N	20	N	N	N	N	N	N
JGF[illegible]31	31 18 43	110 40 5	500	50	50	N	N	30	N	N	N
LC[illegible]159	31 7 0	111 6 23	15	N	30	N	N	N	N	N	N
GRA0273	30 34 39	110 12 32	10	N	20	N	N	15	N	N	N
MEH0351	31 13 28	110 24 53	<10	N	30	N	N	N	N	N	N
LCH0172	30 44 27	109 55 9	N	15	<20	N	N	N	N	N	N
LCH0177	31 10 22	111 13 44	15	N	50	N	N	N	N	N	N
EL[illegible]0153	30 56 17	110 51 7	10	N	70	N	N	N	N	N	N
LCH0060	31 10 18	111 14 8	10	N	70	N	N	N	N	N	N
LCH0116	31 8 42	111 9 32	<10	N	50	N	N	N	N	N	N
EL[illegible]0146	30 59 10	110 52 28	20	N	150	N	N	N	N	N	N
RLT0037	31 21 1	111 16 25	200	200	5,000	N	N	N	N	N	N
JGF0099	31 2 34	111 24 11	10	10	150	N	N	N	N	N	N
LCH0048	31 21 4	111 15 12	300	30	1,000	N	N	20	N	N	N
LCH0068	31 17 29	111 30 46	<10	N	50	N	N	N	N	1,000	N
LCH0126	31 8 0	111 6 48	300	N	100	N	N	N	N	700	200
LCH0153	31 14 49	111 18 33	<10	N	20	N	N	N	N	N	N
LCH0025	31 12 3	111 32 11	15	20	70	N	N	10	N	N	N
JGF0094	31 4 24	111 24 8	<10	15	30	N	N	10	N	N	N
JGF0024	31 24 46	111 29 20	<10	15	200	N	N	10	N	N	N
JGF0256	31 26 36	111 27 39	20	20	150	N	N	N	N	N	N
MEH0[illegible]0	31 0 21	111 23 18	15	N	70	N	N	10	N	N	N
JGF0007	31 23 21	111 30 59	<10	N	<20	N	N	N	N	N	N
LCH0002	31 22 42	111 33 16	<10	N	20	N	N	N	N	N	N
LCH0060	31 6 36	111 32 39	150	150	700	N	N	10	20.0	N	N
JGF0289	31 4 36	111 24 12	10	N	150	N	N	N	10.0	N	N
MEH0[illegible]87	31 2 54	111 28 13	15	N	70	N	N	N	N	N	N
MEH0074	31 6 25	111 30 8	20	200	1,000	N	N	N	50.0	N	N
MEH0030	31 13 23	111 28 53	15	100	200	N	N	N	N	N	N
RLT0052	31 15 31	111 18 21	10	N	30	N	N	N	N	N	N
JGF0087	31 5 50	111 24 1	<10	N	50	N	N	N	N	N	N
LCH0[illegible]6	31 20 52	111 34 50	<10	N	70	N	N	N	N	N	N
MEH0004	31 21 5	111 32 26	<10	N	<20	N	N	N	N	N	N
JGF0331	31 25 47	111 28 24	10	10	70	N	N	N	N	N	N
JGF[illegible]22	31 24 42	111 29 30	100	N	50	N	N	N	N	N	N
MEH[illegible]41	31 6 8	111 32 34	10	20	150	N	N	N	N	N	N
MEH[illegible]52	30 58 47	111 21 45	<10	N	30	700	N	N	N	N	N
RLT[illegible]25	31 11 31	111 29 28	15	20	200	N	N	N	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
MEH0203	N	300	N	2.0	700	2,000	N	30	N	N	100
ELM0152	N	100	N	5.0	700	1,000	N	50	7	N	<20
MEH0218	N	500	N	2.0	700	200	N	700	N	N	100
MEH0187	N	300	N	1.5	700	50	N	50	N	N	30
JGF0280	N	70	N	1.5	300	700	200	30	2	N	<20
JGF0319	N	150	N	5.0	500	1,000	N	30	N	N	<20
MEH0214	N	200	N	.5	200	70	N	30	N	N	N
JGF0196	N	50	N	1.5	500	500	1,000	20	N	N	20
JGF0131	N	100	1,000	20.0	150	150	N	N	N	N	20
LCH0159	N	20	N	1.5	700	700	N	100	3	N	N
GHA0273	N	100	N	1.5	300	300	200	100	N	50	300
MEH0351	N	30	N	.5	200	700	500	20	N	N	<20
LCH0192	N	200	N	1.0	700	70	N	N	N	N	N
LCH0077	N	50	N	1.5	700	500	N	30	2	N	<20
ELM0150	N	30	N	1.5	500	300	N	200	2	N	N
LCH0080	N	200	N	2.0	700	200	N	200	3	N	70
LCH0116	N	50	N	1.5	500	500	N	50	2	N	N
ELM0146	N	500	N	3.0	700	1,000	N	100	10	N	N
RLT0037	N	500	1,500	3.0	500	3,000	N	30	2	N	20
JGF0099	N	200	<100	1.5	700	10,000	200	30	2	N	20
LCH0048	N	300	200	7.0	1,500	>10,000	200	50	3	20	100
LCH0068	N	150	N	5.0	700	1,500	N	20	150	N	100
LCH0128	N	70	N	3.0	1,500	700	N	150	30	N	N
LCH0065	N	50	N	1.5	500	300	N	20	N	N	N
LCH0025	N	200	150	2.0	700	7,000	200	100	N	N	100
JGF0094	N	200	N	1.0	500	5,000	200	50	N	N	50
JGF0024	N	300	N	1.5	500	300	N	150	3	N	50
JGF0036	N	300	150	1.0	500	>10,000	N	20	N	N	30
MEH0110	N	100	N	1.5	1,000	1,000	N	30	2	N	<20
JGF0007	N	70	N	1.0	200	1,000	N	20	5	N	N
LCH0002	N	150	N	1.0	300	500	N	20	N	N	20
LCH0030	200	300	3,000	1.5	500	2,000	N	20	15	N	20
JGF0089	N	200	N	1.0	500	500	N	20	N	N	100
MEH0087	N	100	N	2.0	1,000	>10,000	200	30	2	N	20
MEH0074	2,000	150	10,000	1.0	500	>10,000	300	20	2	N	N
MEH0030	N	200	1,500	1.5	500	500	N	20	N	N	20
RLT0052	N	70	N	2.0	700	700	N	150	N	N	70
JGF0087	N	100	N	1.0	500	500	N	70	3	N	20
LCH0008	N	100	N	.5	300	200	N	20	5	N	N
MEH0004	N	50	N	1.0	300	700	300	20	N	N	N
JGF0031	N	200	N	1.0	500	3,000	N	20	N	N	20
JGF0022	100	70	100	.7	300	3,000	N	20	N	N	20
MEH0061	1,000	200	1,000	1.0	500	7,000	N	<20	10	N	<20
MEH0136	N	100	N	1.0	300	300	N	50	7	N	20
RLT0025	N	200	<100	1.5	500	150	N	20	N	N	20

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0203	10.00	.70	1,500	1,500	1,000	50	>2,000	100	100	>2.00
EL 0152	.50	.30	1,000	700	200	50	>2,000	100	50	2.00
[illegible]0218	7.00	.50	1,500	2,000	1,000	70	>2,000	100	150	>2.00
[illegible]0187	7.00	.10	1,000	700	1,000	30	>2,000	100	50	>2.00
JGF0240	.70	.20	200	150	N	20	>2,000	30	N	.70
JGF0319	.20	.50	N	20	N	N	700	N	N	.50
MEH0214	2.00	.07	500	200	500	N	>2,000	30	50	>2.00
JGF0196	7.00	.30	200	100	N	N	>2,000	50	N	.20
JGF0131	1.50	.05	300	150	N	N	>2,000	20	<50	2.00
L [illegible]0159	.10	.20	50	70	N	N	2,000	N	50	.50
GHA0273	3.00	2.00	N	50	500	15	1,500	N	N	.50
MEH0351	2.00	.30	50	30	N	N	1,000	N	N	.10
LCH0192	5.00	.15	700	1,000	500	70	700	100	150	>2.00
LCH0077	.50	.20	150	70	200	N	2,000	N	50	.70
EL 0150	.15	.10	N	50	N	N	>2,000	N	50	.50
LCH0089	2.00	.30	150	150	N	15	>2,000	N	50	>2.00
LCH0116	.20	.10	200	100	200	N	>2,000	150	<50	.50
EL 0146	.70	.10	1,000	>2,000	>2,000	70	>2,000	100	N	2.00
RLT0037	3.00	.15	1,000	500	1,000	30	>2,000	30	70	>2.00
JGF0099	7.00	.20	500	300	700	30	>2,000	N	70	>2.00
LCH0048	2.00	.70	500	300	200	30	>2,000	N	50	1.50
LCH0069	.70	.20	1,000	1,500	500	100	>2,000	N	<50	2.00
LCH0128	.30	.10	700	500	N	30	>2,000	N	70	>2.00
LCH0065	.50	.10	150	150	N	15	>2,000	N	N	.70
LCH0025	5.00	.50	500	200	100	30	>2,000	N	70	2.00
JGF0694	5.00	.30	700	300	1,500	20	2,000	N	50	2.00
JGF0024	5.00	.20	500	500	<500	30	>2,000	30	150	>2.00
JGF0036	5.00	.07	2,000	2,000	1,500	50	>2,000	20	100	>2.00
MEH0110	2.00	.30	200	100	<500	10	2,000	N	50	1.50
JGF0207	.70	.10	300	200	200	15	>2,000	100	70	1.00
LCH0002	1.00	.07	500	300	500	30	>2,000	N	70	1.50
LCH0030	5.00	.15	1,000	500	2,000	30	2,000	200	100	2.00
JGF0089	5.00	.50	500	300	700	20	>2,000	N	70	2.00
MEH0087	3.00	.30	300	150	<500	20	2,000	N	<50	1.50
MEH0074	7.00	.15	700	200	700	20	>2,000	N	<50	2.00
MEH0030	2.00	.15	500	300	2,000	20	2,000	N	150	2.00
RLT0052	1.00	.50	70	100	200	20	2,000	N	50	1.00
JGF0087	1.00	.20	300	200	500	20	>2,000	N	N	1.50
LCH0003	1.50	.05	500	1,000	700	50	>2,000	70	N	2.00
MEH0004	3.00	.50	200	100	<500	N	2,000	N	N	.70
JGF0031	5.00	.10	700	500	500	20	>2,000	30	70	>2.00
JGF0022	2.00	.15	1,000	300	700	30	>2,000	N	<50	2.00
MEH0061	5.00	.07	1,000	500	1,000	30	1,500	30	50	>2.00
MEH0136	2.00	.15	500	500	500	30	>2,000	70	<50	2.00
RLT0025	3.00	.15	500	300	500	30	>2,000	30	70	>2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
JGF0035	31 26 34	111 28 54	<10	N	20	N	N	N	N	N	N
JGF0018	31 24 16	111 30 17	<10	N	70	N	N	N	N	N	N
RLT0043	31 15 35	111 11 5	10	10	300	N	N	N	N	N	N
RLT0046	31 16 22	111 11 53	1,000	10	50,000	1,000	N	N	200.0	1,500	2,000
RLT0031	31 11 8	111 31 12	10	15	150	N	N	N	N	N	N
LCH0012	31 20 31	111 33 12	<10	N	100	N	N	N	N	N	N
RLT0028	31 10 40	111 30 12	15	30	200	N	N	N	N	N	N
LCH0039	31 11 8	111 29 52	70	100	1,000	N	N	N	N	N	N
LCH0014	31 16 10	111 30 43	<10	15	50	N	N	N	N	N	N
LCH0010	31 22 32	111 34 46	<10	N	100	N	N	N	N	N	N
RLT0015	31 11 50	111 31 19	10	15	100	N	N	N	N	N	N
RLT0058	31 17 58	111 30 43	<10	N	30	N	N	N	N	N	N
LCH0034	31 8 1	111 31 6	50	30	200	N	N	N	10.0	N	N
LCH0003	31 21 46	111 33 56	<10	N	30	N	N	N	N	N	N
LCH0047	31 4 25	111 32 34	50	N	70	N	N	N	N	700	N
JGF0084	31 6 27	111 23 34	200	<10	100	N	N	70	N	N	N
LCH0013	31 13 40	111 31 12	30	50	200	N	N	30	N	N	N
RLT0008	31 14 4	111 31 7	10	N	30	N	N	10	N	N	N
LCH0036	31 8 22	111 31 16	500	70	300	N	N	70	70.0	N	N
ELM0148	30 57 27	110 51 36	1,500	N	1,000	1,000	N	N	5.0	7,000	200
RLT0033	31 6 39	111 33 38	15	N	20	N	N	N	N	N	N
LCH0086	31 9 22	111 15 29	10	N	70	N	N	N	N	N	N
LCH0104	31 7 25	111 18 4	20	10	70	N	N	30	N	N	N
LCH0098	31 8 4	111 17 4	200	10	100	1,000	N	N	N	N	N
RLT0079	31 9 6	111 15 13	15	N	300	N	N	N	N	N	N
MEH0155	31 16 41	110 46 52	10	N	<20	N	N	N	N	N	N
GHA0267	30 48 12	110 20 8	150	10	700	N	N	20	N	N	N
JGF0257	31 15 1	110 27 8	<10	N	20	N	N	N	N	N	N
RLT0146	30 55 44	110 4 46	15	N	100	N	N	N	N	N	N
MEH0287	31 6 1	110 26 54	70	N	500	N	N	N	N	N	N
MEH0279	31 4 57	110 27 46	20	N	100	N	N	N	N	N	N
MEH0346	30 53 32	110 24 46	30	N	100	N	N	N	N	N	N
MEH0304	31 1 12	110 29 38	150	20	200	N	N	N	N	N	N
GHA0251	30 50 29	110 17 7	100	N	500	2,000	N	N	N	N	N
LCH0168	30 50 37	110 7 5	500	N	3,000	N	N	N	5.0	N	N
MEH0298	31 1 32	110 25 37	10	30	300	N	N	N	5.0	N	N
GHA0254	30 50 49	110 17 9	500	N	20,000	N	N	15	30.0	N	500
GHA0292	30 43 20	110 18 7	70	N	1,000	N	N	N	N	N	N
MEH0341	30 54 22	110 28 1	30	N	300	N	N	N	N	N	N
LCH0162	30 56 18	110 16 24	300	N	500	700	N	N	N	N	N
GHA0303	30 40 12	110 16 14	70	N	200	N	N	N	N	N	N
GHA0305	30 40 51	110 16 3	30	N	30	N	N	N	N	N	N
GHA0313	30 41 45	110 14 0	<10	N	N	N	N	N	N	N	N
MEH0309	30 55 55	110 35 4	10	N	200	N	N	N	50.0	700	N
MEH0317	31 6 4	110 34 26	<10	30	50	N	N	50	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
JGF0033	N	100	N	1.0	200	1,000	N	30	N	N	<20
JGF0018	N	150	N	1.0	500	10,000	N	30	2	N	20
RLT0043	N	100	N	1.5	1,000	2,000	N	30	3	N	<20
RLT0046	N	700	N	2.0	1,000	>10,000	1,000	100	5	N	70
RLT0031	N	300	N	1.0	500	200	N	<20	N	N	30
LCH0012	N	500	N	1.0	500	70	N	<20	3	N	20
RLT0028	N	200	100	1.5	500	7,000	200	20	2	N	30
LCH0059	N	100	N	1.5	500	7,000	200	50	N	N	N
LCH0014	N	300	N	1.0	700	50	N	20	N	N	20
LCH0010	N	100	N	1.0	500	300	N	30	5	N	20
RLT0015	N	200	N	1.0	500	300	N	20	N	N	20
RLT0058	N	100	N	1.5	300	>10,000	2,000	20	N	N	50
LCH0034	100	200	500	1.0	300	>10,000	N	20	N	N	50
LCH0003	N	150	N	1.0	300	700	N	30	2	N	N
LCH0047	N	50	N	3.0	2,000	5,000	N	20	3	N	50
JGF0064	N	200	100	10.0	1,000	5,000	200	30	2	N	100
LCH0018	N	200	700	3.0	500	700	200	<20	3	N	30
RLT0008	N	300	N	1.0	500	300	N	20	N	N	50
LCH0036	500	300	300	10.0	1,000	1,000	N	100	5	N	70
RLT0143	N	100	N	5.0	1,500	1,500	200	300	10	N	<20
RLT0033	N	70	N	.3	700	150	N	<20	N	N	N
LCH0025	N	50	N	1.5	300	2,000	N	100	2	N	30
LCH0104	N	150	N	5.0	3,000	1,000	N	200	2	50	150
LCH0095	N	300	N	1.5	700	300	N	70	5	N	30
RLT0079	N	50	N	2.0	2,000	3,000	N	30	7	N	N
MEH0155	N	500	100	1.0	700	50	N	20	N	N	30
CHA0267	30	200	N	2.0	2,000	>10,000	1,000	1,000	5	N	50
JGF0257	N	100	N	1.0	200	1,500	200	20	N	N	N
RLT0146	N	70	N	1.5	1,000	300	N	200	7	N	30
MEH0287	N	300	N	3.0	500	1,500	1,000	200	2	N	50
MEH0279	N	200	N	2.0	700	700	200	300	2	N	30
LCH0346	N	150	N	2.0	1,000	500	200	200	N	N	20
MEH0394	30	300	N	1.0	700	1,000	N	200	N	N	20
CHA0251	N	150	N	2.0	500	>10,000	2,000	200	N	N	30
LCH0168	N	300	N	2.0	1,000	>10,000	1,500	100	N	N	100
MEH0298	1,000	500	300	1.5	700	500	N	70	N	N	N
CHA0254	100	200	N	5.0	1,500	>10,000	2,000	1,000	2	N	100
CHA0292	N	150	N	2.0	700	10,000	300	70	2	N	20
MEH0341	N	70	N	1.5	700	7,000	200	70	N	N	<20
LCH0142	N	150	N	2.0	200	>10,000	1,000	1,000	3	N	70
CHA0303	N	200	N	3.0	500	7,000	300	70	N	N	70
CHA0305	20	150	N	3.0	700	>10,000	700	30	3	N	70
CHA0313	N	50	N	1.5	700	>10,000	3,000	50	N	N	<20
[illegible]	200	200	N	3.0	700	5,000	200	1,500	3	N	70
[illegible]	N	200	N	1.0	700	1,500	N	10	N	N	30

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0033	.70	.10	300	150	<500	15	>2,000	N	50	1.50
JGF0018	2.00	.10	1,000	700	500	30	>2,000	30	70	2.00
RLT0043	.70	.20	300	300	700	20	>2,000	N	N	1.00
RLT0046	1.00	1.00	500	300	500	20	>2,000	N	50	2.00
RLT0031	5.00	.07	1,000	700	2,000	30	>2,000	30	50	>2.00
LCH0012	5.00	.10	1,500	2,000	1,500	50	>2,000	70	70	>2.00
RLT0028	5.00	.20	500	300	300	20	>2,000	20	50	>2.00
LCH0039	1.00	.30	50	70	N	10	2,000	N	N	.70
LCH0014	5.00	.10	1,500	1,000	1,500	30	>2,000	50	70	>2.00
LCH0010	2.00	.10	1,500	700	1,500	50	>2,000	300	70	>2.00
RLT0015	5.00	.20	1,000	700	1,500	30	>2,000	30	70	>2.00
RLT0058	2.00	.20	300	150	N	15	2,000	N	50	2.00
LCH0034	7.00	.30	1,000	500	700	30	>2,000	30	50	>2.00
LCH0003	1.00	.10	300	500	1,000	20	>2,000	N	50	2.00
LCH0047	3.00	.50	>2,000	>2,000	1,500	200	>2,000	N	100	2.00
JGF0084	5.00	1.00	300	300	N	30	>2,000	N	N	>2.00
LCH0018	3.00	.20	2,000	1,000	>2,000	30	>2,000	N	50	>2.00
RLT0008	3.00	.20	1,000	700	>2,000	30	>2,000	20	100	>2.00
LCH0036	3.00	.30	1,000	500	2,000	30	>2,000	20	50	>2.00
ELM0148	1.00	.20	2,000	1,500	500	70	>2,000	500	70	>2.00
RLT0033	7.00	.07	1,500	2,000	700	70	>2,000	N	N	.70
LCH0086	.70	.30	100	100	<500	N	>2,000	N	N	.70
LCH0104	2.00	1.50	150	70	N	20	300	N	N	.50
LCH0098	5.00	.20	500	500	200	30	>2,000	50	50	>2.00
RLT0079	.50	.50	200	150	N	15	>2,000	50	50	1.50
MEH0155	7.00	.20	1,000	500	500	30	>2,000	70	70	>2.00
GHA0267	2.00	.30	200	200	<500	30	>2,000	70	N	2.00
JGF0257	.70	.15	150	150	200	10	>2,000	N	N	.50
RLT0146	3.00	.50	200	300	N	20	>2,000	N	<50	1.00
MEH0287	.50	.20	700	300	N	30	>2,000	20	<50	>2.00
MEH0279	2.00	.30	500	300	<500	30	>2,000	30	<50	>2.00
MEH0346	2.00	.30	200	200	N	20	>2,000	N	N	1.00
MEH0304	5.00	.20	700	300	N	20	2,000	70	70	>2.00
GHA0251	.50	.10	N	150	N	15	>2,000	N	N	1.50
LCH0168	3.00	.70	150	100	<500	15	>2,000	N	N	.70
MEH0298	7.00	.10	2,000	700	500	30	1,500	100	100	>2.00
GHA0254	1.50	.50	200	50	N	20	>2,000	N	N	1.00
GHA0292	3.00	.30	500	200	N	20	>2,000	N	N	1.50
MEH0341	.70	.30	N	50	N	N	2,000	N	N	.70
LCH0162	.30	.20	300	300	N	50	>2,000	70	N	>2.00
GHA0303	1.50	.50	100	100	N	20	>2,000	N	N	1.50
GHA0305	2.00	.70	300	300	200	30	>2,000	N	N	1.00
GHA0313	2.00	.10	200	100	N	15	>2,000	N	N	.50
MEH0309	2.00	.70	200	200	N	70	1,500	70	70	>2.00
MEH0317	5.00	.30	1,500	500	500	30	2,000	100	70	>2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
LCHC177	30 48 1	110 4 57	100	N	300	N	N	N	N	N	N
MEHC329	30 57 29	110 27 26	<10	N	50	N	N	N	N	N	N
RLTC147	30 51 35	110 4 49	<10	N	<20	500	N	N	N	N	N
JBAC242	30 54 7	110 17 8	200	N	500	500	N	N	N	1,000	N
MEHC284	31 6 51	110 26 10	100	<10	1,000	N	N	N	N	N	N
MCHC332	30 56 24	110 28 32	500	N	30,000	1,000	N	N	15.0	N	N
MEHC312	30 56 10	110 32 56	70	N	1,500	N	N	N	N	N	N
RLTC157	30 57 19	110 9 18	15	N	500	N	N	N	2.0	N	300
JGFC336	31 6 20	110 19 7	30	N	100	N	N	N	N	N	N
JGFC251	31 17 29	110 26 15	30	15	30	N	N	30	N	N	N
MEHC335	30 56 5	110 26 47	<10	N	30	N	N	N	N	N	N
MEHC319	31 6 4	110 34 45	<10	N	N	N	N	N	N	N	N
JGFC283	31 7 26	110 13 43	100	N	70	N	N	N	N	N	N
JGFC289	31 8 22	110 15 9	10	N	<20	N	N	N	N	N	N
RLTC134	30 57 51	110 9 0	10	N	50	N	N	N	N	N	N
RLTC143	30 55 6	110 6 52	<10	N	30	N	N	N	N	N	N
JGFC352	31 11 41	110 19 51	10	N	N	N	N	N	N	N	N
JGFC335	31 14 40	110 23 20	<10	N	N	N	N	N	N	N	N
ELMC345	30 56 38	110 51 20	<10	N	70	N	N	N	N	3,000	200
MEHC167	31 7 17	110 40 15	<10	15	N	N	N	N	N	N	N
ELMC107	31 6 40	110 55 1	15	N	70	N	N	N	20.0	N	N
LCHC225	30 53 59	110 53 3	<10	N	70	N	N	N	N	N	N
JGFC374	31 12 24	110 23 9	<10	N	N	N	N	N	N	N	N
MEHC269	31 3 51	110 29 39	50	70	700	N	N	N	N	N	N
JGFC403	31 8 21	110 27 34	15	N	30	N	N	N	N	N	N
ELMC349	30 57 10	110 36 1	<10	N	70	N	N	N	N	N	N
JGFC362	31 13 59	110 26 10	10	N	N	N	N	N	N	N	N
JGFC371	31 12 30	110 21 23	15	N	100	N	N	N	N	N	N
RLTC235	30 59 0	111 0 20	<10	N	150	N	N	N	N	N	N
RLTC230	31 2 2	111 3 55	10	N	20	N	N	N	N	N	N
ELMC329	30 52 49	110 40 12	50	20	100	N	N	N	N	N	N
JGFC349	31 10 16	110 15 4	10	N	<20	N	N	N	N	N	N
JGFC385	31 10 52	110 24 59	20	N	<20	N	N	N	N	N	N
JGFC403	30 35 26	110 19 49	<10	N	<20	N	N	N	N	N	N
RLTC227	30 52 10	110 51 28	10	N	30	N	N	N	N	N	N
ELMC222	31 16 8	110 23 46	10	N	20	N	N	N	N	N	N
JGFC380	31 12 21	110 23 31	10	N	20	N	N	N	N	N	N
LCHC231	30 54 30	111 12 19	10	10	20	N	N	N	N	N	N
JGFC365	31 13 48	110 26 12	15	N	20	N	N	N	N	N	N
MEHC265	31 0 25	110 33 8	10	10	30	N	N	N	N	N	N
MEHC384	30 51 39	110 23 41	10	N	100	N	N	N	N	N	N
JGFC388	31 12 55	110 20 50	10	N	20	N	N	N	N	N	N
JGFC377	31 12 25	110 23 10	10	N	20	N	N	N	N	N	N
ELMC212	31 16 59	110 15 59	10	N	30	N	N	N	N	N	N
MEHC391	30 48 52	110 27 11	<10	N	20	N	N	10	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
LCH0177	N	300	N	15.0	3,000	3,000	200	30	2	N	100
MEH0329	N	150	N	2.0	700	1,500	500	50	N	N	30
RLT0167	N	30	N	1.0	300	700	N	70	N	N	20
GHA0242	N	300	N	10.0	1,000	>10,000	3,000	200	2	N	150
MEH0284	N	200	N	2.0	500	1,500	500	150	N	N	20
MEH0332	N	500	N	1.5	700	1,500	N	200	5	N	<20
MEH0312	N	300	N	2.0	1,500	1,500	N	5,000	5	N	<20
RLT0137	N	100	N	1.0	200	700	N	20	N	N	N
JGF0336	N	100	N	1.5	300	10,000	300	30	N	N	20
JGF0251	N	200	N	5.0	1,000	500	1,500	N	N	70	200
MEH0335	300	200	N	1.5	700	500	300	50	N	N	20
MEH0319	N	150	N	.5	700	300	N	<20	N	N	N
JGF0283	N	200	N	5.0	300	500	200	30	N	N	30
JGF0289	N	50	N	1.0	200	500	N	30	N	N	N
RLT0134	N	100	N	1.5	500	>10,000	500	100	2	N	N
RLT0143	N	50	N	1.0	300	500	N	150	2	N	<20
JGF0352	N	30	N	.7	150	700	1,000	20	N	N	100
JGF0355	N	50	N	1.0	700	1,000	1,000	<20	N	N	N
ELM0345	N	50	N	3.0	1,000	300	200	200	15	N	50
MEH0167	N	300	N	1.5	700	50	N	20	N	N	20
ELM0107	N	500	N	2.0	500	3,000	N	20	30	N	<20
LCH0225	N	500	N	1.0	500	1,000	N	50	N	N	50
JGF0374	N	70	N	.7	700	300	1,500	<20	N	N	<20
MEH0269	70	200	100	.5	300	500	N	20	N	N	20
JGF0400	N	50	N	1.5	500	1,500	700	30	N	N	<20
ELM0349	N	150	150	1.0	300	700	200	50	N	N	N
JGF0362	N	50	N	.5	300	700	500	20	N	N	30
JGF0371	N	50	N	1.5	300	1,000	1,500	20	N	N	20
RLT0233	N	300	N	1.0	700	200	N	100	2	N	<20
RLT0230	N	50	N	1.5	300	1,000	N	50	2	N	<20
ELM0329	N	100	N	3.0	500	10,000	500	50	2	N	<20
JGF0349	N	50	N	1.5	300	700	300	20	N	N	20
JGF0385	N	70	N	2.0	500	700	500	30	N	N	<20
JGF0408	N	70	N	1.5	500	>10,000	500	50	N	N	30
RLT0227	N	300	N	1.0	500	150	N	70	N	N	<20
ELM0222	N	70	N	1.0	300	1,500	1,000	20	N	N	<20
JGF0380	N	70	N	1.0	500	1,000	1,000	20	N	N	70
LCH0231	N	70	N	1.5	700	1,500	300	30	3	N	50
JGF0365	N	30	N	1.0	300	1,500	700	20	N	N	N
MEH0265	N	300	N	1.0	500	700	N	300	N	N	30
MEH0384	N	100	N	1.5	700	300	N	200	N	N	30
JGF0368	N	70	N	1.0	500	1,500	1,500	50	N	20	150
JGF0377	N	50	N	1.0	300	1,000	1,000	20	N	N	100
ELM0212	N	70	N	1.0	700	200	N	20	N	N	<20
MEH0391	N	100	N	2.0	500	1,000	500	70	N	N	200

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
LCH0177	2.00	.50	1,000	300	>2,000	50	>2,000	N	<50	2.00
MEH0329	7.00	.30	300	300	1,500	20	>2,000	N	N	1.50
RLT0167	.70	.20	70	100	N	N	>2,000	N	N	1.00
GHA0242	1.00	.30	500	70	N	20	>2,000	N	N	1.50
MEH0284	.50	.20	300	150	N	20	>2,000	N	<50	2.00
MEH0332	1.00	.20	200	1,000	N	50	>2,000	30	N	2.00
MEH0312	2.00	.50	300	300	N	50	1,500	30	70	>2.00
RLT0137	.70	.15	50	150	N	15	2,000	N	50	2.00
JGF0336	.50	.50	100	100	N	15	>2,000	N	N	1.00
JGF0261	10.00	3.00	700	200	N	30	2,000	N	N	.70
MEH0335	5.00	.20	300	300	N	30	>2,000	N	N	2.00
MEH0317	7.00	.15	1,000	1,500	<500	30	>2,000	50	50	>2.00
JGF0283	.70	.30	70	70	N	15	>2,000	N	N	1.50
JGF0289	.50	.15	50	70	N	10	>2,000	N	N	.70
RLT0134	3.00	.20	150	150	<500	15	>2,000	N	50	2.00
RLT0143	.70	.20	150	150	N	15	>2,000	N	N	2.00
JGF0352	2.00	.30	70	70	N	N	>2,000	N	N	.70
JGF0355	10.00	.70	700	200	N	20	>2,000	N	N	.50
ELM0345	.70	.15	1,500	500	N	50	>2,000	150	<50	>2.00
MEH0167	7.00	.05	1,000	700	300	30	>2,000	50	50	>2.00
ELM0187	2.00	.07	1,000	>2,000	>2,000	200	>2,000	100	70	>2.00
LCH0225	5.00	.07	>2,000	2,000	1,000	70	>2,000	N	50	>2.00
JGF0374	10.00	.50	1,000	200	N	15	1,500	N	N	.20
MEH0269	3.00	.10	1,000	500	500	30	>2,000	30	<50	>2.00
JGF0400	5.00	.70	200	100	N	10	>2,000	N	N	.30
ELM0349	5.00	.30	300	700	1,500	30	>2,000	50	N	2.00
JGF0362	2.00	.30	70	50	N	N	>2,000	N	N	.20
JGF0371	3.00	.50	200	50	N	N	1,000	N	N	.20
RLT0233	7.00	.10	700	1,500	1,000	50	>2,000	70	70	>2.00
RLT0230	.50	.20	N	100	N	10	>2,000	N	<50	.50
ELM0329	1.00	.50	200	100	N	20	>2,000	N	N	.70
JGF0349	2.00	.50	50	70	N	10	>2,000	N	<50	.50
JGF0335	1.50	.50	50	30	N	10	2,000	N	N	.30
JGF0403	1.50	.30	N	100	N	20	>2,000	N	N	1.50
RLT0227	7.00	.07	700	2,000	700	30	>2,000	30	50	>2.00
ELM0222	2.00	.30	50	70	N	10	2,000	N	N	.70
JGF0380	7.00	.70	300	100	N	10	1,000	N	N	.30
LCH0231	2.00	.30	70	100	N	10	>2,000	N	N	1.50
JGF0365	1.00	.50	N	N	N	N	200	N	N	.10
MEH0265	7.00	.20	1,000	700	1,000	50	>2,000	50	50	>2.00
MEH0304	3.00	.20	200	200	N	30	>2,000	N	N	>2.00
JGF0368	10.00	1.00	500	200	N	15	>2,000	N	N	.70
JGF0377	5.00	.70	300	150	N	15	>2,000	N	N	.70
ELM0212	3.00	.30	150	150	200	15	>2,000	N	70	2.00
MEH0321	2.00	1.00	70	50	N	20	2,000	N	N	.50

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
JGF0358	31 14 27	110 23 27	10	N	20	N	N	N	N	N	N
ELM0203	31 2 37	110 2 7	10	N	<20	N	N	N	N	N	N
MEH0358	30 56 3	110 29 17	100	N	3,000	500	N	N	2.0	N	N
JGF0388	31 10 6	110 24 15	10	N	<20	N	N	10	5.0	N	N
ELM0192	31 0 30	110 3 31	15	N	N	N	N	20	N	N	N
MEH0403	30 32 34	110 1 58	20	N	50	N	N	10	N	N	N
ELM0195	31 1 23	110 2 3	10	N	2,000	N	N	N	N	N	N
ELM0224	31 16 22	110 23 30	<10	N	50	N	N	N	N	N	N
MEH0395	30 30 46	110 1 22	15	N	70	N	N	10	N	N	N
RLT0240	30 59 37	111 0 49	10	N	100	N	N	N	N	N	N
MEH0386	30 50 3	110 23 30	150	10	300	N	N	30	N	N	N
MEH0366	30 54 29	110 27 8	15	N	50	N	N	10	N	N	N
MEH0356	31 12 31	110 24 53	20	N	200	N	N	N	1.5	N	N
MEH0397	30 33 46	110 2 6	70	N	100	N	N	20	1.5	N	N
MEH0407	30 51 37	110 19 50	150	10	500	N	N	N	N	N	N
GHA0022	31 18 45	111 30 0	<10	30	100	N	N	N	N	N	N
GHA0097	31 9 31	111 19 19	150	N	2,000	N	N	N	5.0	N	N
ELM0215	31 14 18	110 14 15	<10	N	N	N	N	N	N	N	N
JGF0397	31 7 11	110 22 20	15	N	30	N	N	N	N	N	N
GHA0025	31 18 58	111 29 59	<10	20	30	N	N	N	N	N	N
GHA0039	31 23 44	111 25 53	10	N	30	N	N	N	N	N	N
GHA0069	31 23 11	111 19 2	150	30	150	N	N	30	N	N	N
GHA0006	31 19 32	111 31 59	<10	15	50	N	N	N	N	N	N
GHA0090	31 16 27	111 13 43	30	10	200	N	N	N	N	N	N
GHA0078	31 17 31	111 18 28	<10	N	100	N	N	N	N	N	N
GHA0048	31 20 36	111 20 33	<10	N	30	N	N	N	N	N	N
MEH0021	31 15 6	111 28 39	15	20	70	N	N	15	N	N	N
GHA0057	31 20 29	111 20 58	<10	N	20	N	N	N	N	N	N
GHA0051	31 22 19	111 21 23	30	10	50	N	N	20	N	N	N
GHA0072	31 20 49	111 15 18	100	100	200	N	N	15	N	N	N
GHA0075	31 20 44	111 17 12	200	50	300	N	N	70	1.0	N	N
GHA0009	31 20 50	111 29 40	100	15	3,000	N	N	50	7.0	N	N
GHA0082	31 13 38	111 13 38	10	N	70	N	N	N	1.0	N	N
GHA0054	31 21 18	111 21 10	<10	20	50	N	N	N	N	N	N
ELM0047	31 15 31	111 26 37	<10	20	70	N	N	N	N	N	N
GHA0085	31 13 57	111 15 9	15	N	50	N	N	N	N	N	N
GHA0012	31 20 23	111 29 33	10	N	30	N	N	N	N	N	N
GHA0033	31 23 11	111 25 47	<10	N	N	N	N	N	N	N	N
GHA0019	31 19 32	111 29 11	<10	N	20	N	N	N	N	N	N
ELM0028	31 16 53	111 28 58	70	30	200	N	N	N	N	N	N
ELM0050	31 12 49	111 25 7	<10	10	20	N	N	N	N	N	N
GHA0015	31 20 16	111 29 29	10	10	70	N	N	20	N	N	N
GHA0042	31 24 6	111 26 39	<10	N	50	N	N	N	N	N	N
MEH0001	31 14 22	111 29 59	70	150	1,500	N	N	50	N	N	N
MEH0037	31 11 33	111 30 45	30	20	200	N	N	15	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
JGF0358	N	70	N	1.5	700	500	1,000	20	N	N	30
ELM0205	N	50	N	1.0	300	1,500	500	20	N	N	<20
MEM0358	N	100	N	5.0	2,000	500	200	1,000	3	N	<20
JGF0368	N	100	N	1.0	700	300	1,000	50	N	20	200
ELM0192	N	30	N	1.0	500	70	N	<20	N	N	20
MEM0403	N	200	N	5.0	700	10,000	700	70	N	N	50
ELM0195	N	500	N	5.0	500	10,000	N	<20	3	N	<20
ELM0224	N	300	N	3.0	700	10,000	500	50	2	N	20
MEM0395	N	100	N	2.0	700	>10,000	1,500	100	N	30	200
ALT0240	N	70	N	1.0	200	5,000	500	20	N	N	N
MEM0386	N	200	N	10.0	3,000	700	700	500	2	20	150
MEM0366	N	150	N	7.0	700	>10,000	1,000	100	N	N	<20
MEM0356	N	30	N	1.0	150	>10,000	2,000	20	N	N	20
MEM0397	N	100	N	2.0	700	>10,000	1,500	30	N	70	300
MEM0407	N	200	N	3.0	2,000	1,000	200	1,000	5	N	50
GHA0022	N	300	N	1.0	700	700	N	30	2	N	<20
GHA0097	N	70	N	1.0	300	500	N	70	7	N	N
ELM0215	N	50	N	.7	300	300	N	30	N	N	N
JGF0397	N	70	N	2.0	300	7,000	N	30	N	N	<20
GHA0025	N	300	N	1.0	500	300	N	N	N	N	N
GHA0039	N	100	N	2.0	300	>10,000	500	20	N	N	<20
GHA0069	N	150	N	10.0	2,000	700	N	30	3	N	20
GHA0006	N	300	N	1.0	500	1,500	N	20	N	N	<20
GHA0090	<20	150	N	2.0	500	10,000	300	50	N	N	20
GHA0078	N	100	N	1.5	200	500	200	50	N	N	N
GHA0043	N	150	N	1.5	700	7,000	500	30	2	N	70
MEM0021	N	200	150	1.5	300	700	200	20	N	N	<20
GHA0037	N	150	N	1.5	700	500	500	30	N	N	100
GHA0051	N	200	N	7.0	700	1,000	200	50	N	30	70
GHA0072	N	150	N	5.0	500	>10,000	2,000	30	N	N	30
GHA0075	20	300	<100	15.0	3,000	1,500	N	200	5	N	50
GHA0089	N	300	N	30.0	>10,000	1,500	500	70	3	N	70
GHA0082	N	50	N	1.5	700	1,000	500	30	N	N	<20
GHA0054	N	500	150	1.5	500	200	N	20	N	N	20
ELM0047	500	500	100	1.5	500	500	N	20	N	N	<20
GHA0085	N	70	N	3.0	700	1,000	200	100	N	N	<20
GHA0012	N	300	N	1.5	300	5,000	200	30	2	N	<20
GHA0033	N	70	N	2.0	500	700	N	30	N	N	<20
GHA0019	N	200	N	1.5	500	1,000	200	30	N	N	<20
ELM0028	N	300	200	1.5	500	1,000	200	20	N	N	30
ELM0050	N	300	N	1.5	700	100	N	20	N	N	20
GHA0013	N	500	N	10.0	700	2,000	N	30	5	N	30
JGF0042	N	200	N	3.0	500	500	N	30	2	N	30
MEM0401	500	300	2,000	2.0	500	500	N	20	3	N	30
MEM0027	N	200	N	2.0	700	1,000	N	30	2	N	50

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0358	7.00	.50	300	150	N	10	>2,000	N	N	.50
ELM0203	2.00	.30	100	70	N	N	1,500	N	N	.70
MEH0358	2.00	.50	100	150	N	30	2,000	30	100	2.00
JGF0338	10.00	1.50	500	200	N	20	>2,000	N	N	.50
ELM0192	2.00	.15	N	70	N	10	>2,000	N	N	.50
MEH0403	5.00	.70	100	50	N	20	200	N	N	2.00
ELM0195	3.00	.10	300	1,000	200	50	>2,000	20	<50	>2.00
ELM0224	5.00	.50	500	500	<500	30	>2,000	20	50	>2.00
MEH0395	7.00	2.00	100	70	N	30	>2,000	N	N	.70
RLT0240	1.00	.15	100	150	N	10	>2,000	N	50	1.00
MEH0386	7.00	1.00	30	50	N	30	700	N	N	1.00
MEH0366	2.00	.50	200	70	N	20	>2,000	N	N	1.50
MEH0356	1.00	.20	N	20	N	N	500	N	N	.30
MEH0397	7.00	2.00	100	70	N	20	2,000	N	N	.50
MEH0407	3.00	.30	500	200	200	30	>2,000	20	50	2.00
GHA0022	5.00	.10	1,500	2,000	2,000	50	>2,000	70	100	>2.00
GHA0097	.70	.10	200	200	200	20	>2,000	N	N	1.00
ELM0215	.70	.20	70	70	300	10	>2,000	N	N	.50
JGF0397	.30	.30	150	30	N	N	300	N	N	.30
GHA0025	3.00	.10	700	500	2,000	20	>2,000	30	150	>2.00
GHA0039	.70	.30	200	100	N	10	>2,000	N	N	.70
GHA0069	.30	.20	300	100	200	10	1,000	N	50	1.00
GHA0006	3.00	.10	700	700	1,000	20	2,000	30	70	>2.00
GHA0090	2.00	.50	150	100	N	15	>2,000	N	N	.70
GHA0078	1.00	.15	100	100	N	10	>2,000	N	<50	.70
GHA0048	5.00	.50	300	300	N	20	>2,000	20	70	1.50
MEH0021	.70	.20	300	200	>2,000	20	>2,000	N	N	1.00
GHA0057	3.00	.70	200	200	300	10	>2,000	N	70	1.50
GHA0051	.70	1.00	50	20	N	10	300	N	N	.50
GHA0072	.70	.30	150	150	200	10	>2,000	N	N	1.00
GHA0075	1.00	.70	300	150	200	20	1,500	N	70	1.50
GHA0009	1.00	.70	N	100	N	20	2,000	N	<50	1.00
GHA0082	1.50	.50	N	30	N	N	1,000	N	N	.20
GHA0054	5.00	.15	700	1,000	1,000	30	>2,000	50	70	>2.00
ELM0047	5.00	.30	500	700	1,500	30	>2,000	30	50	>2.00
GHA0085	1.50	1.00	N	50	<200	N	300	N	N	.30
GHA0012	1.50	.20	300	700	1,500	30	>2,000	N	N	1.00
GHA0033	1.00	.30	100	150	N	10	>2,000	N	N	.70
GHA0019	1.50	.20	300	300	1,000	20	>2,000	N	<50	1.00
ELM0028	5.00	.30	500	300	1,000	20	>2,000	20	50	2.00
ELM0050	10.00	.20	1,000	700	200	30	>2,000	70	70	>2.00
GHA0015	1.50	.15	1,000	>2,000	>2,000	70	>2,000	30	50	>2.00
GHA0042	1.50	.30	300	500	500	30	>2,000	20	50	2.00
MEH0001	3.00	.15	1,500	1,000	>2,000	50	>2,000	30	50	>2.00
MEH0037	5.00	.20	1,000	700	2,000	50	>2,000	30	70	>2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
GHA0262	31 19 24	111 21 25	100	10	300	N	N	70	N	N	N
ELM0013	31 26 29	111 30 43	20	N	30	N	N	10	N	N	N
ELM0010	31 26 28	111 30 10	<10	N	30	N	N	N	N	N	N
JGF0091	31 1 41	111 27 2	20	10	150	N	N	N	N	N	N
ELM0052	31 12 38	111 25 10	15	20	70	N	N	50	N	N	N
ALM0067	31 5 15	111 29 44	<10	200	2,000	N	N	10	N	N	N
MEM0095	31 17 20	111 22 12	15	15	70	N	N	10	N	N	N
ALM0019	31 27 13	111 30 37	10	50	20	N	N	N	N	N	N
MEM0032	31 11 0	111 27 29	15	30	500	N	N	20	N	N	N
RLT0023	31 8 12	111 31 1	50	30	150	N	N	N	N	N	N
LCM0005	31 21 26	111 33 29	10	N	20	N	N	N	N	N	N
JGF 001	31 21 44	111 32 10	<10	N	30	N	N	N	N	N	N
LCM0061	31 14 20	111 15 13	15	N	500	N	N	N	2.0	N	N
LCM0052	31 17 16	111 18 57	10	10	70	N	N	N	N	N	N
MEM0560	30 55 57	110 29 12	50	10	150	N	N	10	2.0	N	N
MEM0411	30 54 27	110 20 21	100	N	200	N	N	10	N	N	N
ELM0246	30 42 23	110 13 5	20	15	50	N	N	15	N	N	N
RLT0019	31 7 51	111 31 9	100	50	150	N	N	10	N	N	N
RLT0013	31 12 25	111 31 5	10	N	50	N	N	10	N	N	N
JGF0391	31 10 20	110 20 32	50	N	<20	N	N	N	N	N	N
ELM0203	31 3 52	110 2 12	50	N	200	N	N	N	1.5	N	N
ELM0182	31 12 50	111 12 42	10	N	700	N	N	N	1.5	N	N
ELM0242	30 41 45	110 14 11	15	N	70	N	N	15	N	N	N
MEN0373	30 52 18	110 24 38	70	N	100	N	N	10	N	N	N
ELM0230	30 43 18	110 16 30	10	N	<20	N	N	N	N	N	N
GHA0257	30 50 23	110 25 34	<10	N	20	N	N	20	N	N	N
MEM0374	30 54 1	110 24 55	10	N	50	N	N	N	N	N	N
MEM0376	30 52 49	110 24 9	20	N	70	N	N	10	N	N	N
GHA0323	30 44 31	110 9 14	15	N	30	N	N	N	N	N	N
ELM0218	31 12 52	110 15 41	<10	N	N	N	N	N	N	N	N
ELM0201	31 2 12	110 4 22	10	N	20	N	N	N	N	N	N
GHA0276	30 34 57	110 13 31	15	N	20	N	N	10	N	N	N
ELM0249	30 42 54	110 12 2	20	10	20	N	N	N	N	N	N
ELM0226	31 13 25	110 20 38	10	N	20	N	N	N	N	N	N
ELM0269	31 12 23	110 3 14	15	N	20	N	N	N	N	N	N
GHA0331	30 54 10	110 22 41	20	N	70	N	N	N	N	N	N
ELM0239	30 40 55	110 14 17	30	N	300	N	N	10	N	N	N
ELM0267	31 9 59	110 2 14	15	N	N	N	N	N	N	N	N
GHA0325	30 43 45	110 10 36	50	N	50	N	N	20	N	N	N
ELM0302	30 52 16	110 8 24	100	N	100	1,500	N	15	1.5	N	N
MEN0413	30 59 19	110 33 36	100	N	20	N	N	N	N	N	N
GHA0322	30 43 54	110 10 40	50	N	N	N	N	N	N	N	N
GHA0290	30 42 14	110 17 47	20	N	50	N	N	20	N	N	N
MEN0382	30 52 14	110 25 6	50	N	150	N	N	10	N	N	N
ELM 231	30 42 55	110 12 42	20	N	30	N	N	N	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GHA0060	N	500	N	30.0	5,000	1,500	700	70	3	70	200
ELM0013	N	70	N	1.5	500	700	N	50	N	N	20
ELM0010	N	70	N	1.0	300	1,000	N	30	2	N	<20
MEH0091	N	200	<100	2.0	500	>10,000	1,000	50	2	N	30
ELM0052	1,500	300	<100	2.0	700	1,500	N	20	N	N	50
MEH0069	300	300	2,000	1.5	700	>10,000	700	20	2	N	30
MEH0095	20	200	N	1.5	700	>10,000	700	50	2	N	200
ELM0018	N	150	100	5.0	1,000	1,500	N	20	2	N	<20
MEH0039	N	300	<100	2.0	500	500	N	20	N	N	50
RLT0023	N	150	100	1.5	300	3,000	200	30	2	N	30
LCH0005	N	100	N	.5	300	1,000	N	30	N	N	<20
JGF0001	N	150	N	1.5	300	500	N	20	N	N	20
LCH0061	N	70	N	2.0	700	1,000	200	50	N	N	50
LCH0052	N	150	N	2.0	500	1,000	N	50	2	N	30
MEH0360	N	100	N	3.0	700	1,000	N	100	2	N	<20
MEH0411	N	100	N	2.0	700	1,000	200	70	2	N	<20
ELM0246	N	150	N	5.0	1,000	>10,000	700	30	N	N	20
RLT0019	N	200	150	1.5	300	2,000	200	30	N	N	50
RLT0013	N	150	N	1.5	500	700	200	30	N	N	<20
JGF0391	N	70	N	1.0	300	1,500	1,000	20	N	N	50
ELM0208	N	70	N	1.5	300	5,000	300	50	2	N	N
ELM0182	N	70	N	2.0	300	1,500	N	100	N	N	20
ELM0242	N	70	N	2.0	700	>10,000	500	50	N	N	20
MEH0378	N	100	N	3.0	700	1,500	500	50	N	N	<20
ELM0230	N	70	N	2.0	500	2,000	200	50	N	N	<20
GHA0257	N	150	N	3.0	700	10,000	700	30	N	50	1,000
MEH0374	N	100	N	1.5	700	1,000	300	50	N	N	20
MEH0376	N	100	N	2.0	700	700	200	70	N	N	<20
GHA0328	N	100	N	3.0	700	3,000	300	20	N	N	20
ELM0218	N	50	N	1.5	300	500	N	20	N	N	<20
ELM0201	N	100	N	2.0	700	1,000	100	20	N	N	20
GHA0276	N	100	N	3.0	1,000	700	300	70	N	50	200
ELM0249	N	200	N	5.0	700	2,000	1,000	20	N	N	<20
ELM0226	N	100	N	2.0	500	1,500	N	20	N	N	20
ELM0269	N	100	N	3.0	300	500	N	30	N	N	20
GHA0331	N	100	N	2.0	700	700	200	100	N	N	20
ELM0239	N	100	N	3.0	700	5,000	200	70	N	N	<20
ELM0267	N	100	N	3.0	500	1,500	N	30	N	N	30
GHA0325	N	1,000	N	30.0	1,500	1,000	200	20	N	30	100
ELM0302	N	200	N	5.0	1,000	>10,000	700	50	N	N	30
MEH0413	N	150	N	1.5	500	700	200	150	N	N	<20
GHA0322	N	100	N	2.0	2,000	>10,000	5,000	20	N	N	100
GHA0290	N	200	N	7.0	500	1,500	200	50	N	N	30
MEH0382	N	200	N	5.0	700	1,000	300	150	N	N	200
ELM0251	N	100	N	3.0	1,500	>10,000	1,500	20	N	N	<20

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA[illegible]060	3.00	1.50	300	100	N	50	2,000	N	<50	2.00
EL[illegible]013	1.00	.15	>2,000	1,000	700	50	>2,000	20	70	>2.00
EL[illegible]010	.70	.15	700	200	500	20	>2,000	N	70	1.50
ME[illegible]091	5.00	.30	700	500	700	20	>2,000	N	50	>2.00
EL[illegible]052	7.00	.15	1,500	1,500	1,500	50	>2,000	200	100	>2.00
ME[illegible]069	10.00	.30	1,000	500	1,000	20	2,000	20	<50	>2.00
ME[illegible]095	7.00	1.50	1,000	500	200	30	>2,000	N	70	>2.00
EL[illegible]018	1.00	.15	300	300	N	15	>2,000	N	70	1.00
M[illegible]039	7.00	.15	1,000	1,000	>2,000	50	>2,000	50	50	>2.00
RL[illegible]023	3.00	.50	300	150	500	10	>2,000	N	70	2.00
LC[illegible]055	.70	.10	100	200	700	10	>2,000	70	100	1.50
JG[illegible]031	1.00	.20	700	500	300	30	>2,000	N	50	2.00
LC[illegible]061	2.00	.70	100	50	N	N	1,000	N	N	.50
LC[illegible]052	2.00	.50	300	200	300	20	>2,000	N	150	2.00
ME[illegible]360	.50	.50	50	70	<200	10	1,000	N	N	.70
ML[illegible]411	1.00	.50	N	100	700	10	>2,000	N	N	.70
EL[illegible]246	3.00	.50	150	100	<200	15	>2,000	N	N	.50
RLT0019	5.00	.50	500	300	700	20	>2,000	20	150	>2.00
RLT0013	3.00	.30	300	200	>2,000	15	>2,000	N	70	1.50
JG[illegible]391	3.00	.50	150	70	N	N	2,000	N	N	.30
EL[illegible]208	1.50	.50	100	150	N	15	>2,000	N	70	1.00
EL[illegible]182	1.00	1.00	100	20	N	10	500	N	N	.30
EL[illegible]242	3.00	.50	70	50	N	10	>2,000	N	N	.50
ME[illegible]378	2.00	.50	50	20	N	10	2,000	N	N	.50
EL[illegible]230	7.00	.50	N	30	N	N	700	N	N	.30
GHA[illegible]257	5.00	3.00	70	70	N	50	>2,000	N	N	.70
ML[illegible]374	2.00	.50	50	150	N	20	>2,000	N	N	.70
ME[illegible]376	1.00	.50	N	50	N	10	>2,000	N	N	.70
GHA[illegible]326	2.00	.50	N	70	N	N	1,500	N	N	.50
EL[illegible]218	1.00	.20	50	70	N	N	>2,000	N	N	.50
EL[illegible]201	2.00	.50	50	150	N	10	>2,000	N	N	.70
GH[illegible]276	10.00	2.00	N	30	N	15	500	N	N	.50
EL[illegible]249	5.00	.50	100	70	N	N	>2,000	N	N	.50
EL[illegible]226	3.00	.50	100	100	N	10	>2,000	N	N	1.00
EL[illegible]269	.50	.50	N	100	N	10	>2,000	N	N	.70
GHA[illegible]331	.70	.50	N	70	N	10	>2,000	N	N	.70
EL[illegible]239	2.00	1.00	N	20	N	10	700	N	N	.50
EL[illegible]267	1.50	.50	N	70	N	10	2,000	N	N	.70
GHA[illegible]325	5.00	2.00	70	20	N	30	150	N	N	.70
EL[illegible]302	2.00	1.00	N	20	200	10	2,000	N	N	.50
ME[illegible]413	2.00	.30	100	100	N	N	>2,000	N	50	1.50
GH[illegible]392	10.00	1.00	50	150	N	20	>2,000	N	N	.50
GH[illegible]290	5.00	.50	N	30	N	10	2,000	N	N	.70
M[illegible]382	3.00	1.50	70	50	N	20	2,000	N	N	1.00
EL[illegible]251	10.00	.50	1,000	200	N	20	>2,000	N	50	.50

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
MEH0393	30 48 59	110 27 1	20	N	70	N	N	10	N	N	N
ELM0234	30 41 0	110 16 36	150	N	70	N	N	50	N	N	N
MEH0388	30 47 49	110 26 8	70	N	50	N	N	20	N	N	N
ELM0284	30 46 25	110 10 0	20	N	500	N	N	20	N	N	N
ELM0287	30 48 13	110 10 46	70	N	700	N	N	10	1.5	N	N
GHA0282	30 36 53	110 14 9	15	N	20	N	N	N	N	N	N
ELM0232	30 41 23	110 16 47	15	N	20	N	N	N	N	N	N
ELM0254	30 43 31	110 13 44	50	N	20	N	N	N	N	N	N
ELM0259	30 43 5	110 12 31	15	N	N	N	N	N	N	N	N
ELM0220	31 15 12	110 21 35	<10	N	N	N	N	N	N	N	N
MEH0012	31 22 27	111 29 9	15	20	N	N	N	N	N	N	N
MEH0008	31 21 13	111 31 15	<10	N	N	N	N	N	N	N	N
MEH0128	31 1 27	111 18 52	100	100	500	1,500	N	10	N	N	N
LCH0042	31 10 45	111 30 43	<10	N	150	N	N	N	N	N	N
MEH0034	31 13 14	111 31 9	<10	N	70	N	N	10	N	N	N
MEH0130	31 1 6	111 20 40	<10	N	20	N	N	N	N	N	N
MEH0085	31 3 49	111 29 25	30	15	500	N	N	N	N	N	N
MEH0015	31 22 23	111 29 14	10	N	30	N	N	N	N	N	N
ELM0006	31 24 15	111 32 31	<10	N	30	N	N	N	N	N	N
MEH0116	31 3 35	111 23 1	30	10	50	1,500	N	15	N	N	N
MEH0093	31 1 42	111 27 11	15	N	50	N	N	N	N	N	N
MEH0010	31 22 27	111 29 9	<10	N	20	N	N	N	30.0	N	N
MEH0019	31 22 22	111 30 17	<10	N	100	N	N	N	N	N	N
MEH0072	31 6 15	111 29 32	50	15	200	N	N	10	2.0	N	N
MEH0032	31 13 31	111 27 38	30	20	500	N	N	15	N	N	N
MEH0113	31 0 33	111 23 46	100	20	70	N	N	30	N	N	N
ELM0004	31 23 23	111 33 14	20	N	70	N	N	15	N	N	N
ELM0031	31 17 1	111 28 57	20	N	50	N	N	20	N	N	N
ELM0039	31 16 56	111 27 45	70	10	300	N	N	20	N	N	N
MEH0132	31 0 40	111 21 6	15	N	50	N	N	10	N	N	N
MEH0108	31 5 38	111 22 45	10	N	30	N	N	N	N	N	N
ELM0042	31 17 14	111 27 9	15	N	30	N	N	N	N	N	N
ELM0036	31 17 12	111 27 48	15	N	N	N	N	N	N	N	N
ELM0002	31 23 44	111 33 31	20	N	200	N	N	10	N	N	N
MEH0007	31 21 19	111 31 11	<10	N	70	N	N	10	N	N	N
ELM0058	31 15 41	111 27 44	100	100	500	N	N	10	N	N	N
ELM0015	31 27 2	111 30 10	<10	N	20	N	N	N	N	N	N
MEH0056	31 4 11	111 30 59	70	N	50	N	N	N	N	N	N
ELM0056	31 15 31	111 27 51	15	100	300	N	N	N	N	N	N
MEH0122	31 1 59	111 23 20	15	15	100	N	N	10	N	N	N
MEH0126	31 1 39	111 19 0	15	10	100	5,000	N	N	N	N	N
GHA0310	30 41 38	110 14 18	30	N	30	N	N	15	N	N	N
MEH0272	31 3 40	110 28 54	10	N	20	N	N	N	N	N	N
MEH0315	30 55 12	110 35 33	10	N	20	N	N	N	N	N	N
MEH0139	30 57 36	111 23 20	<10	N	20	1,000	N	N	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
MEH0393	N	150	N	5.0	1,000	1,000	200	20	N	20	200
ELM0234	N	1,000	N	30.0	3,000	1,500	200	20	N	30	200
MEH0388	N	200	N	10.0	700	3,000	200	30	N	30	200
ELM0284	N	300	N	10.0	3,000	5,000	200	50	N	N	30
ELM0287	N	300	N	7.0	3,000	5,000	200	70	N	N	20
GHA0262	N	150	N	5.0	700	1,500	300	150	N	N	20
ELM0232	N	150	N	3.0	500	5,000	200	30	N	N	20
ELM0254	N	50	N	2.0	1,000	>10,000	1,000	30	N	N	N
ELM0259	N	70	N	2.0	700	7,000	200	20	N	N	N
[illegible]0220	N	100	N	2.0	300	1,000	200	20	N	N	N
MEH0012	N	70	N	2.0	1,000	>10,000	700	30	N	70	200
MEH0008	N	500	N	1.0	700	700	N	20	N	N	N
MEH0123	50	200	500	10.0	5,000	700	N	500	3	N	100
ELM0042	N	150	N	1.5	500	700	200	20	N	N	30
[illegible]0034	100	200	N	2.0	700	1,500	N	20	N	N	30
MEH0150	N	100	N	1.0	500	500	N	50	3	N	N
MEH0085	N	200	100	1.5	700	>10,000	1,500	70	N	N	30
MEH0015	N	100	N	2.0	500	2,000	700	50	N	70	200
ELM0306	N	50	N	1.5	1,000	1,000	N	20	N	N	N
MEH0116	N	100	<100	5.0	1,500	700	N	30	N	N	50
MEH0093	N	100	N	1.5	500	>10,000	500	50	N	N	70
MEH0010	N	70	N	1.5	300	1,000	200	20	N	N	50
MEH0019	N	300	N	1.5	700	3,000	200	50	N	N	30
MEH0072	1,500	100	700	2.0	500	2,000	N	20	N	N	<20
ELM0332	N	200	500	1.5	500	300	N	20	N	N	20
MEH0113	N	150	200	5.0	2,000	1,000	N	50	3	N	20
ELM0004	N	300	N	15.0	1,000	300	N	<20	N	N	30
ELM0031	N	500	N	15.0	1,000	7,000	N	20	N	N	30
ELM0039	N	500	N	2.0	1,500	700	200	20	N	N	70
MEH0132	N	100	N	2.0	500	700	N	50	N	N	<20
MEH0103	N	70	N	2.0	500	2,000	N	30	N	N	<20
ELM0042	N	200	N	10.0	700	5,000	500	20	N	N	10
ELM0036	N	100	N	3.0	500	>10,000	200	30	N	N	<20
ELM0002	N	150	200	7.0	1,000	1,000	N	20	N	N	<20
MEH0007	N	500	N	1.0	700	200	N	20	N	N	<20
ELM0058	N	150	2,000	2.0	700	500	200	20	3	N	20
ELM0015	N	70	<100	1.5	500	1,000	N	20	N	N	<20
ELM0056	N	70	<100	1.0	500	>10,000	1,500	20	N	N	N
ELM0056	N	150	500	1.0	300	1,500	N	<20	N	N	N
MEH0122	N	200	N	2.0	700	700	N	30	N	N	<20
[illegible]-0126	N	100	N	5.0	7,000	1,000	N	70	N	20	50
[illegible]0310	N	200	N	5.0	700	>10,000	1,000	30	N	N	50
MEH0272	N	100	N	2.0	500	1,000	N	100	N	N	<20
[illegible]0115	N	50	N	1.5	500	1,000	N	70	N	N	N
[illegible]139	N	70	N	1.5	500	700	N	100	N	N	50

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0393	2.00	1.50	N	20	N	10	200	N	N	.50
ELM0234	3.00	2.00	50	70	N	15	2,000	N	N	2.00
MEH0383	2.00	2.00	N	N	N	10	300	N	N	.70
ELM0284	3.00	1.00	70	50	N	10	>2,000	N	N	1.00
ELM0287	1.00	.70	N	50	N	10	2,000	N	N	.70
GHA0282	7.00	1.00	N	30	N	10	150	N	N	.50
ELM0232	5.00	.50	50	50	N	10	2,000	N	N	.70
ELM0254	7.00	1.00	150	100	N	N	>2,000	N	N	.50
ELM0259	2.00	.70	50	20	N	N	2,000	N	N	.30
ELM0220	1.50	.30	70	100	N	N	>2,000	N	N	.70
MEH0012	7.00	2.00	300	300	N	15	1,000	N	50	1.50
MEH0008	5.00	.20	700	2,000	2,000	30	>2,000	N	<50	>2.00
MEH0128	5.00	1.00	200	100	N	20	>2,000	N	<50	>2.00
LCH0042	5.00	.20	500	500	1,000	20	>2,000	N	70	>2.00
MEH0034	5.00	.30	1,000	2,000	2,000	30	>2,000	30	100	>2.00
MEH0130	2.00	.20	300	700	300	30	>2,000	N	50	>2.00
MEH0085	5.00	.70	300	200	200	20	>2,000	N	70	>2.00
MEH0015	5.00	2.00	100	100	N	20	2,000	N	N	.50
ELM0006	.70	.10	300	200	700	10	>2,000	N	100	.50
MEH0116	.70	.20	150	100	200	10	>2,000	N	N	1.00
MEH0093	2.00	.50	500	150	700	15	>2,000	N	N	1.00
MEH0010	1.50	.30	150	200	N	10	>2,000	N	<50	1.00
MEH0019	3.00	.30	300	700	1,000	30	>2,000	N	50	>2.00
MEH0072	2.00	.30	150	70	500	N	1,000	N	<50	1.00
MEH0032	3.00	.20	700	500	>2,000	20	>2,000	20	200	>2.00
MEH0113	1.50	.30	150	100	1,500	10	2,000	N	50	2.00
ELM0004	.50	.07	500	150	300	10	>2,000	N	<50	1.50
ELM0031	2.00	.50	500	500	2,000	20	>2,000	N	70	>2.00
ELM0039	3.00	1.00	500	700	>2,000	10	>2,000	N	100	>2.00
MEH0132	1.00	.30	100	70	N	N	>2,000	N	<50	1.50
MEH0108	2.00	.30	50	70	300	N	>2,000	N	N	.70
ELM0042	2.00	.50	150	70	N	N	>2,000	N	N	.70
ELM0036	.70	.30	300	70	500	N	2,000	N	N	.50
ELM0002	1.00	.10	700	2,000	>2,000	30	>2,000	N	50	1.00
MEH0007	5.00	.10	1,000	>2,000	1,500	30	>2,000	50	100	>2.00
ELM0058	2.00	.50	300	200	2,000	10	>2,000	N	50	1.50
ELM0015	1.00	.15	300	100	200	N	2,000	N	50	.70
MEH0056	2.00	.20	200	100	<200	N	>2,000	N	<50	1.00
ELM0056	1.00	.10	300	300	>2,000	20	>2,000	N	N	2.00
MEH0122	1.50	.20	300	300	300	20	>2,000	N	50	>2.00
MEH0126	1.50	.50	50	100	N	10	1,000	N	50	.70
GHA0310	2.00	1.00	150	200	500	15	>2,000	N	N	.70
MEH0272	.70	.30	150	50	N	10	>2,000	N	N	.70
MEH0315	.70	.20	N	70	N	N	>2,000	N	N	.30
MEH0139	1.50	.70	70	70	N	N	>2,000	N	N	.70

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
[illegible]	31 19 54	111 32 9	15	N	50	N	N	10	N	N	N
[illegible]	31 3 2	110 36 41	<10	N	N	N	N	N	N	N	N
[illegible]	30 56 50	110 33 23	<10	N	20	N	N	N	N	N	N
[illegible]	31 4 56	110 28 49	10	N	20	N	N	N	N	N	N
[illegible]	31 13 30	110 27 25	20	N	30	N	N	N	N	N	N
RLT0161	30 52 23	110 5 39	10	N	30	N	N	N	N	N	N
[illegible]	31 5 7	110 27 34	50	N	200	N	N	10	N	N	N
[illegible]	30 39 6	110 15 27	50	N	30	N	N	20	N	N	N
[illegible]	30 44 48	110 18 41	15	N	30	N	N	N	N	N	N
[illegible]	30 55 50	110 24 29	15	N	50	N	N	N	N	N	N
[illegible]	31 3 27	110 28 53	50	N	100	N	N	N	N	N	N
[illegible]	31 14 53	111 2 50	<10	N	150	N	N	N	N	N	N
[illegible]	31 18 49	110 39 51	1,000	50	100	N	N	50	2.0	N	N
[illegible]	31 14 4	110 33 3	10	N	30	N	N	N	N	N	N
[illegible]	30 52 34	110 9 12	500	N	1,500	3,000	50	N	100.0	N	200
RLT0152	30 54 29	110 5 25	100	N	200	N	N	30	N	N	N
RLT0155	30 59 12	110 4 7	15	N	100	N	N	N	N	N	N
[illegible]	31 0 54	110 29 26	10	20	100	N	N	10	N	N	N
LCM0201	30 39 39	109 53 17	20	N	70	N	N	N	N	N	N
LCM0204	30 47 42	110 3 59	15	N	20	N	N	N	N	N	N
[illegible]	30 48 32	110 2 26	10	N	100	N	N	N	N	N	N
LCM0222	30 36 49	109 59 7	10	10	50	N	N	15	N	N	N
[illegible]	30 48 17	110 20 24	20	N	300	N	N	15	N	N	N
[illegible]	30 45 15	109 54 26	N	20	50	N	N	N	N	N	N
RLT0170	30 52 0	110 1 44	50	N	100	N	N	15	N	N	N
RLT0140	30 56 31	110 7 45	<10	N	30	N	N	N	N	N	N
RLT0158	30 59 22	110 4 5	10	N	50	N	N	N	N	N	N
[illegible]	30 49 42	110 2 57	15	N	30	N	N	N	N	N	N
[illegible]	30 54 8	110 22 32	15	N	100	N	N	N	N	N	N
LCM0189	30 50 10	110 3 19	<10	N	50	N	N	N	N	N	N
RLT0179	30 49 35	109 59 15	20	N	70	N	<50	10	100.0	N	N
RLT0188	30 49 12	109 53 59	<10	20	50	N	N	N	N	N	N
RLT0173	30 49 33	109 58 54	10	20	70	N	N	N	N	N	N
[illegible]	30 53 40	110 21 25	100	N	1,000	N	N	15	N	N	N
[illegible]	30 48 17	110 19 26	50	10	150	N	N	10	N	N	300
RLT0212	30 44 3	110 1 10	10	N	50	N	N	N	N	N	N
RLT0194	30 48 26	109 54 14	10	10	50	N	N	N	N	N	N
[illegible]	31 8 21	110 5 24	50	N	100	1,000	N	10	N	N	N
[illegible]	30 46 41	110 15 52	15	N	20	N	N	10	N	N	N
[illegible]	30 46 13	110 9 59	20	N	50	N	N	20	N	N	N
RLT0221	30 40 38	110 1 34	15	10	30	N	N	10	N	N	N
[illegible]	30 51 56	110 5 13	<10	N	30	N	N	N	N	N	N
[illegible]	30 52 21	110 9 35	1,000	N	100	1,500	N	10	1.0	N	N
[illegible]	30 42 49	110 12 55	100	N	20	N	N	N	N	N	N
[illegible]	30 51 2	110 2 50	<10	N	20	N	N	N	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GHA0002	N	300	N	10.0	700	3,000	N	20	3	N	20
MEH0321	N	100	N	1.0	300	500	N	20	N	N	N
MEH0307	N	500	N	1.0	1,000	100	N	20	N	N	N
MEH0290	N	50	N	.7	200	500	N	50	N	N	N
MEH0354	N	150	N	5.0	700	>10,000	2,000	20	N	N	30
RLT0161	N	70	N	2.0	500	700	N	150	N	N	30
MEH0281	N	200	N	5.0	1,000	1,000	N	50	N	N	50
GHA0298	N	300	N	10.0	1,000	10,000	300	50	N	20	50
GHA0296	N	70	N	2.0	500	300	N	30	N	N	20
MEH0344	N	100	N	1.5	700	1,500	300	30	N	N	<20
MEH0275	N	70	N	1.5	700	300	N	70	N	N	N
GHA0125	N	100	N	2.0	500	700	N	30	2	N	<20
JGF0126	500	300	500	30.0	500	300	N	200	N	N	50
JGF0207	N	300	N	1.5	1,000	1,500	1,500	50	2	N	50
GHA0365	N	100	N	3.0	500	>10,000	1,500	30	2	N	20
RLT0152	N	500	N	30.0	2,000	700	N	150	2	30	100
RLT0155	N	300	N	20.0	700	500	N	20	N	N	30
MEH0301	200	300	200	1.0	500	200	N	150	N	N	20
LCH0201	N	300	N	2.0	700	200	N	50	15	N	100
LCH0204	N	30	N	.3	200	1,000	200	30	N	N	N
LCH0180	N	200	150	2.0	700	1,000	N	100	5	N	50
LCH0222	N	200	N	5.0	700	5,000	300	20	3	30	200
GHA0265	N	200	<100	7.0	5,000	1,000	N	50	2	N	70
RLT0200	N	200	N	1.5	1,000	100	N	N	3	N	<20
RLT0170	N	200	N	20.0	3,000	300	N	200	3	N	150
RLT0140	N	100	N	1.5	300	1,000	N	30	2	N	N
RLT0158	N	70	N	1.5	300	500	N	30	N	N	<20
LCH0183	<20	70	N	1.5	700	700	N	150	20	N	50
GHA0334	N	100	N	1.0	500	2,000	200	50	N	N	20
LCH0189	N	70	N	1.5	500	700	N	150	5	N	50
RLT0179	50	100	<100	7.0	2,000	1,500	N	70	5	N	70
RLT0188	N	200	N	2.0	1,000	300	N	20	3	N	20
RLT0173	N	200	N	2.0	1,500	500	N	20	10	N	30
GHA0339	30	300	N	5.0	1,500	>10,000	300	500	2	N	30
GHA0269	50	150	N	3.0	700	>10,000	500	500	3	N	50
RLT0212	N	200	N	5.0	1,000	1,000	200	50	3	N	20
RLT0194	N	150	N	2.0	1,000	1,500	N	20	3	N	<20
ELM0210	N	150	N	5.0	2,000	1,000	200	70	2	N	20
ELM0236	N	150	N	3.0	700	>10,000	700	30	N	N	N
ELM0265	N	300	N	10.0	1,500	>10,000	1,000	N	3	30	70
RLT0221	N	200	N	3.0	1,000	>10,000	1,500	20	N	50	70
RLT0164	N	50	N	2.0	500	700	N	150	3	N	20
GHA0362	N	150	N	7.0	2,000	>10,000	1,000	100	2	30	50
GHA0316	N	70	N	2.0	500	>10,000	1,000	20	N	N	N
LCH0186	N	70	N	2.0	500	1,000	N	100	3	N	20

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
[illegible]	1.00	.20	500	2,000	>2,000	30	>2,000	N	<50	2.00
[illegible]	1.50	.30	200	150	N	N	1,000	N	70	1.50
[illegible]	5.00	.07	1,000	2,000	1,000	30	>2,000	50	70	>2.00
[illegible]	.70	.20	N	50	N	N	>2,000	N	N	.50
[illegible]	5.00	.50	50	50	N	N	>2,000	N	N	.50
[illegible]	3.00	.50	N	50	N	N	>2,000	N	N	.70
[illegible]	.70	.70	70	300	N	10	>2,000	N	N	2.00
[illegible]	2.00	1.00	70	150	700	10	>2,000	N	N	1.00
[illegible]	1.00	.30	N	20	N	N	2,000	N	N	.50
[illegible]	2.00	.50	N	100	N	10	>2,000	N	N	1.00
[illegible]	.50	.20	N	30	N	N	70	N	N	.50
[illegible]	.50	.30	100	300	200	10	>2,000	200	N	.50
[illegible]	3.00	.50	500	500	200	15	>2,000	100	100	>2.00
[illegible]	10.00	.70	1,000	300	N	20	>2,000	500	N	.70
[illegible]	1.00	.20	150	200	N	20	>2,000	N	N	.70
[illegible]	.50	.20	200	200	N	20	1,500	N	<50	2.00
[illegible]	.50	.30	N	30	N	N	700	N	N	1.00
[illegible]	5.00	.15	700	500	700	30	>2,000	70	100	>2.00
[illegible]	5.00	.30	1,000	1,500	1,500	70	>2,000	50	150	>2.00
[illegible]	.70	.15	N	N	N	N	700	N	N	.30
[illegible]	1.00	.30	300	300	N	50	>2,000	70	200	>2.00
[illegible]	5.00	1.50	300	300	500	30	>2,000	20	50	2.00
[illegible]	5.00	.20	200	500	200	30	>2,000	50	70	>2.00
[illegible]	5.00	.15	1,000	1,500	1,000	70	>2,000	150	300	>2.00
[illegible]	.50	.20	1,000	300	<200	30	2,000	N	N	1.50
[illegible]	.50	.30	150	150	300	20	>2,000	N	70	1.50
[illegible]	.50	.30	N	70	N	20	>2,000	N	70	2.00
[illegible]	1.50	.30	150	150	N	20	>2,000	N	N	.70
[illegible]	1.00	.30	100	100	N	15	>2,000	N	N	.50
[illegible]	.70	.30	150	70	N	20	>2,000	N	<50	1.00
[illegible]	1.00	.70	300	300	700	30	>2,000	30	70	2.00
[illegible]	5.00	.20	1,000	2,000	2,000	70	>2,000	150	200	>2.00
[illegible]	7.00	.30	2,000	2,000	>2,000	200	>2,000	150	200	>2.00
[illegible]	5.00	.50	300	300	<200	30	>2,000	N	N	2.00
[illegible]	1.00	.50	100	100	N	20	>2,000	N	N	1.50
[illegible]	2.00	.30	300	500	500	30	>2,000	N	50	2.00
[illegible]	3.00	.20	700	1,000	>2,000	50	>2,000	100	200	>1.00
[illegible]	1.50	.50	100	200	N	15	>2,000	N	N	1.00
[illegible]	2.00	.50	70	50	N	N	200	N	N	.70
[illegible]	1.50	.70	300	300	N	30	>2,000	N	N	.70
[illegible]	7.00	.50	150	50	N	20	>2,000	N	N	.50
[illegible]	1.00	.30	500	100	N	20	>2,000	N	N	.50
[illegible]	2.00	.50	70	50	N	20	2,000	50	N	.70
[illegible]	1.00	.20	50	30	N	N	1,000	N	N	.30
[illegible]	3.00	.50	100	70	N	20	2,000	N	N	.70

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
GHA0239	30 54 53	110 16 28	150	10	5,000	N	N	N	N	N	N
ELM0292	30 49 14	110 9 56	300	N	300	N	N	15	N	N	N
ELM0280	31 17 59	110 4 29	100	N	30	N	N	N	N	N	N
GHA0356	30 43 13	110 21 7	50	N	150	N	N	10	N	N	300
GHA0319	30 42 53	110 11 18	10	15	20	N	N	N	N	N	N
ELM0271	31 13 4	110 3 54	10	N	100	N	N	N	N	N	N
ELM0310	30 51 32	110 12 51	30	N	N	N	N	N	N	N	N
ELM0248	30 42 54	110 12 2	30	N	100	N	N	20	N	N	N
ELM0228	30 43 23	110 16 13	15	N	2,000	N	N	N	1.5	N	N
ELM0296	30 52 13	110 9 32	500	10	1,000	20,000	150	50	3.0	N	N
GHA0342	30 46 38	110 19 54	100	10	300	N	N	10	N	N	N
ELM0244	30 41 36	110 14 1	100	N	70	1,000	N	20	N	N	N
GHA0245	30 52 43	110 17 53	70	N	150	N	N	N	N	N	N
GHA0344	30 32 59	110 11 56	15	N	<20	N	N	30	N	N	N
GHA0307	30 41 7	110 14 21	30	N	50	N	N	10	N	N	N
RLT0007	31 14 51	111 30 57	20	15	100	N	N	20	N	N	N
RLT0048	31 13 5	111 19 48	100	N	500	N	N	N	10.0	N	200
RLT0224	30 39 10	109 58 19	50	20	30,000	N	N	N	N	7,000	N
LCH0219	30 34 22	109 59 24	10	N	300	N	N	N	N	N	N
GHA0347	30 31 27	110 14 49	10	N	30	N	N	20	N	N	N
LCH0216	30 34 48	109 58 51	100	70	3,000	1,000	N	15	N	N	N
RLT0218	30 41 9	110 1 29	20	N	100	N	N	15	N	N	N
RLT0215	30 43 15	110 0 36	15	N	70	N	N	10	N	N	N
GHA0350	30 32 0	110 14 50	15	N	70	N	N	10	N	N	N
GHA0285	30 39 1	110 14 30	20	10	100	N	N	15	N	N	500
RLT0176	30 49 38	109 59 3	<10	N	70	N	N	N	N	N	N
GHA0359	30 41 45	110 20 10	15	N	200	N	N	10	N	N	N
LCH0174	30 48 56	110 5 50	300	N	2,000	N	N	10	N	N	N
RLT0197	30 47 3	109 54 17	<10	N	50	N	N	N	N	N	N
RLT0182	30 46 50	110 0 12	<10	N	100	N	N	N	N	N	N
RLT0206	30 44 54	110 2 24	15	N	200	N	N	N	N	N	N
JGF0266	31 16 29	110 25 6	<10	N	N	N	N	N	N	N	N
MEH0267	31 3 19	110 30 31	10	20	20	N	N	15	N	N	N
JGF0260	31 15 22	110 26 46	50	N	100	N	N	N	N	N	N
LCH0165	30 52 8	110 8 8	150	N	700	1,000	N	10	N	N	N
LCH0213	30 37 56	109 58 28	15	N	150	N	N	N	N	N	N
JGF0335	31 6 17	110 18 52	10	N	50	N	N	N	N	N	N
MEH0326	30 58 10	110 28 44	10	N	70	N	N	N	N	N	N
JGF0346	31 12 8	110 24 30	15	N	20	N	N	N	N	N	N
RLT0185	30 45 47	110 0 5	15	N	20	N	N	N	N	N	N
RLT0149	30 55 53	110 4 47	15	N	70	N	N	10	N	N	N
GHA0260	30 50 14	110 25 34	10	N	30	N	N	30	N	N	N
LCH0198	30 39 44	109 53 22	15	N	50	N	N	20	N	N	N
GHA0288	30 41 39	110 17 26	150	N	200	N	N	50	N	N	N
JGF0263	31 15 46	110 24 26	<10	N	<20	N	N	N	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GRA0239	N	100	N	5.0	300	>10,000	1,000	500	2	N	30
ELM0292	N	100	N	3.0	1,000	>10,000	1,000	50	2	N	<20
ELM0260	N	100	N	3.0	300	1,000	200	50	N	N	20
GRA0556	N	150	N	7.0	700	2,000	200	100	N	N	20
GRA0219	N	70	N	2.0	2,000	2,000	200	<20	N	20	150
ELM0271	N	200	N	7.0	700	5,000	N	30	2	N	50
ELM0510	N	100	N	3.0	500	500	300	<20	N	N	20
ELM0248	N	200	N	15.0	1,000	1,000	200	20	5	20	100
ELM0228	N	70	N	3.0	500	>10,000	300	30	2	N	N
ELM0266	N	200	N	10.0	1,000	>10,000	700	100	2	N	70
GRA0342	N	200	N	7.0	1,000	3,000	1,500	500	2	N	100
ELM0244	N	200	N	10.0	1,000	>10,000	1,000	50	N	N	50
GRA0246	N	150	N	2.0	700	>10,000	700	150	3	N	50
GRA0344	N	200	N	7.0	1,000	7,000	300	70	2	100	1,000
GRA0307	30	150	N	3.0	700	>10,000	1,500	30	3	N	30
RLT0207	N	300	<100	2.0	1,000	1,000	N	20	3	N	30
RLT0248	N	100	N	2.0	700	1,500	500	50	N	N	100
RLT0224	N	200	N	2.0	700	>10,000	1,000	50	3	N	20
LOM0219	N	100	N	1.5	500	5,000	N	100	3	N	100
GRA0347	N	100	N	3.0	700	7,000	1,000	50	N	100	300
LOM0216	N	700	N	2.0	1,000	>10,000	1,500	50	N	30	150
RLT0218	N	300	N	10.0	2,000	>10,000	1,000	30	N	N	70
RLT0215	N	100	100	2.0	1,000	>10,000	1,000	100	N	N	30
GRA0350	N	100	N	3.0	500	>10,000	1,000	50	N	N	50
GRA0235	N	150	N	3.0	1,000	>10,000	500	150	2	N	150
RLT0176	N	150	N	2.0	1,000	2,000	N	20	5	N	30
GRA0359	N	200	N	2.0	1,000	10,000	200	70	N	N	100
LOM0174	N	300	N	5.0	700	>10,000	5,000	30	2	N	20
RLT0197	N	150	N	1.5	700	3,000	N	20	3	N	N
RLT0182	N	200	N	2.0	700	1,500	N	70	15	N	30
RLT0206	N	100	N	2.0	500	3,000	N	50	3	N	30
JGF0206	N	100	N	1.0	700	1,500	1,500	20	N	N	150
MEM0267	N	300	100	2.0	700	500	N	20	N	N	30
JGF0220	N	100	N	1.0	500	1,500	1,500	30	N	N	20
LOM0165	N	200	N	3.0	700	>10,000	1,000	50	N	N	30
LOM0213	N	200	N	2.0	700	3,000	300	50	7	N	30
JGF0333	N	50	N	1.0	300	1,500	1,500	20	N	N	N
MEM0326	50	150	N	1.5	300	700	N	150	5	N	N
JGF0346	N	70	N	2.0	500	1,500	1,500	20	N	N	N
RLT0185	N	100	N	1.5	500	1,500	1,500	30	2	N	30
RLT0149	N	200	N	10.0	700	700	N	500	N	30	70
GRA0260	N	300	N	7.0	700	300	200	<20	5	150	3,000
LOM0179	N	200	N	5.0	1,000	1,500	N	<20	N	N	20
[illegible]	N	500	N	20.0	3,000	3,000	200	30	3	20	100
[illegible]	N	200	N	1.5	1,000	1,000	2,000	30	N	N	150

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0239	.70	.30	70	50	N	20	>2,000	N	N	.70
ELM0292	3.00	.30	70	70	N	15	2,000	N	<50	.70
ELM0280	.50	.30	N	70	N	20	>2,000	N	<50	1.00
GHA0356	2.00	.50	N	20	N	10	700	N	N	.70
GHA0319	10.00	1.50	N	30	N	20	200	N	N	.20
ELM0271	1.00	.20	150	500	700	30	>2,000	N	50	1.50
ELM0310	3.00	.70	N	20	N	N	500	N	N	.30
ELM0248	3.00	1.00	200	150	N	30	2,000	N	N	1.00
ELM0228	5.00	.30	50	70	N	N	2,000	N	N	.70
ELM0296	1.50	.50	50	70	N	15	>2,000	N	N	1.00
GHA0342	1.00	.50	100	50	N	20	500	N	N	1.00
ELM0244	2.00	.50	100	70	N	20	>2,000	N	N	1.00
GHA0245	3.00	.30	200	300	N	30	>2,000	N	N	1.00
GHA0344	7.00	5.00	200	150	N	50	>2,000	N	N	.70
GHA0307	5.00	.70	300	500	200	20	>2,000	N	N	.70
RLT0007	7.00	.15	1,000	2,000	>2,000	30	>2,000	50	70	>2.00
RLT0048	2.00	1.00	150	100	500	20	>2,000	N	<50	.70
RLT0224	3.00	.30	200	300	200	30	>2,000	N	N	.70
LCH0219	7.00	.70	200	500	200	30	>2,000	N	50	1.50
GHA0347	5.00	2.00	100	100	200	30	>2,000	N	N	.50
LCH0216	7.00	1.50	300	100	N	20	>2,000	N	N	.50
RLT0218	5.00	.70	50	70	N	20	2,000	N	N	.70
RLT0215	3.00	.30	70	100	N	15	>2,000	N	N	.50
GHA0350	3.00	1.00	N	70	N	20	2,000	N	N	.50
GHA0285	10.00	.70	700	1,500	<200	50	>2,000	N	50	>2.00
RLT0176	3.00	.30	700	>2,000	1,000	100	>2,000	100	70	>2.00
GHA0359	7.00	1.00	300	200	200	20	>2,000	N	N	2.00
LCH0174	1.00	.20	150	300	N	20	>2,000	N	N	1.00
RLT0197	3.00	.20	700	2,000	2,000	50	2,000	70	100	>2.00
RLT0182	3.00	.30	1,000	2,000	700	70	>2,000	100	150	>2.00
RLT0206	3.00	.50	200	200	300	15	>2,000	N	50	1.50
JGF0266	10.00	1.00	700	300	N	20	>2,000	N	N	.30
MEH0267	7.00	.70	1,500	1,000	700	50	>2,000	70	100	>2.00
JGF0260	5.00	.20	200	70	N	N	>2,000	500	N	.30
LCH0165	2.00	.70	50	100	N	15	>2,000	N	N	.70
LCH0213	7.00	.30	500	700	1,000	50	>2,000	N	<50	2.00
JGF0333	1.50	.30	N	50	N	N	2,000	N	N	.30
MEH0326	1.50	.30	200	1,500	300	50	>2,000	30	50	2.00
JGF0346	1.50	.70	N	N	N	N	100	N	N	.20
RLT0185	5.00	.70	300	150	N	10	>2,000	N	<50	.70
RLT0149	2.00	.50	200	200	N	20	>2,000	N	150	1.50
GHA0260	10.00	10.00	N	50	<200	100	2,000	30	N	.70
LCH0193	3.00	.20	700	2,000	700	70	2,000	70	200	>2.00
GHA0288	3.00	1.00	50	70	N	20	2,000	N	N	2.00
JGF0263	20.00	1.00	700	500	200	30	>2,000	N	N	.70

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
GHA0271	30 50 27	110 17 36	150	N	150	N	N	N	N	N	200
GHA0301	30 40 27	110 15 38	150	N	70	N	N	70	N	N	<200
MEH0342	31 12 7	110 24 25	20	N	20	N	N	10	N	N	N
LCH0195	30 43 56	109 55 10	<10	N	30	N	N	N	N	N	N
GHA0279	30 36 13	110 13 37	20	10	150	N	N	30	N	N	N
JGF0294	31 8 37	110 17 18	20	N	150	N	N	N	N	N	N
GHA0263	30 49 6	110 21 53	15	N	50	N	N	N	N	N	N
MCH0293	31 2 37	110 26 6	700	30	500	N	N	30	N	N	N
JGH0273	31 2 26	110 17 45	200	N	30	N	N	10	N	N	N
MCH0334	30 56 1	110 26 12	1,500	10	150	1,000	N	10	N	N	N
JGF0302	31 0 40	110 21 53	30	N	N	N	N	10	N	N	N
LCH0316	31 15 46	111 30 22	20	N	150	N	N	N	N	N	N
RLT0303	31 15 36	111 30 42	50	70	500	N	N	20	N	N	N
MEH0327	31 15 4	111 30 27	150	50	1,000	N	N	10	N	N	N
JGF0102	31 1 29	111 24 22	20	N	50	N	N	10	N	N	N
LCH0063	31 13 53	111 19 14	10	N	150	N	N	N	N	N	N
GHA0114	31 14 56	111 5 10	30	10	50	N	N	30	N	N	N
LCH0320	31 12 50	111 30 36	100	15	500	N	N	50	N	N	N
GHA0145	31 17 39	111 2 11	10	N	100	N	N	10	N	N	N
GHA0120	31 14 45	111 2 53	10	N	30	N	N	15	N	N	N
RLT0291	31 10 2	111 13 3	70	20	1,000	1,500	N	10	N	N	N
RLT0035	31 9 50	111 14 23	500	1,000	50,000	1,000	N	N	N	1,500	N
GHA0155	31 18 26	111 0 13	100	15	200	N	N	20	N	N	N
GHA0154	31 18 9	111 1 47	200	30	500	500	N	20	10.0	N	200
GHA0175	31 16 29	111 5 13	<10	10	70	N	N	15	N	N	N
GHA0151	31 18 20	111 2 5	10	N	50	N	N	N	N	N	N
RLT0076	31 8 33	111 15 49	10	20	150	700	N	N	N	N	N
RLT0097	31 9 26	111 11 18	100	15	100	700	50	20	N	N	N
GHA0169	31 18 53	110 59 44	<10	N	20	N	N	N	N	N	N
GHA0157	31 18 7	111 1 19	<10	N	20	N	N	N	N	N	N
GHA0139	31 17 26	110 58 12	<10	N	30	N	N	N	N	N	N
GHA0160	31 18 51	111 0 55	200	N	500	N	N	N	N	1,500	N
LCH0252	30 56 53	111 19 24	10	50	30	N	N	N	N	N	N
LCH0237	30 52 14	111 8 32	300	70	150	N	N	100	N	N	N
LCH0240	30 53 55	111 7 49	<10	N	20	N	N	N	N	N	N
GHA0148	31 17 46	111 2 36	<10	N	30	N	N	N	N	N	N
GHA0172	31 19 8	110 58 11	10	15	50	N	N	N	N	N	N
LCH0246	30 54 5	111 8 11	15	N	50	500	N	N	N	N	N
ELH0353	30 59 40	110 35 29	20	N	70	N	N	N	N	N	N
LCH0255	30 58 3	111 19 33	<10	N	20	N	N	N	N	N	N
RLT0302	31 14 7	111 28 38	20	200	1,000	N	N	15	N	N	N
ELH0334	30 53 10	110 37 56	<10	N	<20	N	N	N	N	N	N
LCH0234	30 54 30	111 11 56	70	N	200	N	N	N	N	N	N
LCH0249	30 56 45	111 18 49	<10	N	70	2,000	N	N	N	N	N
ELH0323	30 50 35	110 49 4	<10	N	20	3,000	N	N	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
GHA0271	30	200	N	2.0	700	2,000	300	70	3	N	70
GHA0301	N	500	N	20.0	5,000	7,000	200	50	3	30	200
RLT0349	N	150	N	2.0	700	1,500	1,500	20	2	N	30
LCH0195	N	100	N	1.0	700	500	200	20	2	N	N
GHA0279	N	200	N	7.0	1,000	10,000	500	300	N	70	300
JGF0294	N	150	N	5.0	700	700	300	20	N	N	20
CHA0263	N	70	N	1.5	500	700	300	150	N	N	20
REB0273	50	300	100	3.0	700	5,000	N	100	N	N	20
JGF0275	N	150	N	2.0	500	10,000	500	70	N	N	30
YEH0338	N	70	300	1.5	500	1,500	200	150	N	N	N
JGF0302	N	70	N	1.5	300	700	300	30	N	N	20
LCH0315	N	500	N	1.5	500	1,500	N	20	N	N	30
RLT0003	300	500	1,000	2.0	700	300	N	20	3	N	50
MRN0327	N	700	150	1.5	700	7,000	N	20	N	N	50
JGF0332	N	200	N	2.0	700	7,000	300	50	2	N	30
LCH0363	N	100	N	2.0	1,500	700	N	70	7	N	50
GHA0114	N	200	N	7.0	1,000	>10,000	500	50	N	150	1,000
LCH0020	N	300	N	7.0	2,000	1,000	200	50	N	N	70
GHA0145	N	150	N	10.0	2,000	3,000	N	300	5	N	N
GHA0120	N	200	N	7.0	1,000	>10,000	300	30	N	70	500
RLT0091	20	150	N	7.0	3,000	1,500	N	1,500	10	N	30
RLT0085	30	300	100	2.0	7,000	1,000	1,000	50	15	N	20
GHA0163	N	200	N	10.0	3,000	1,500	200	100	5	30	150
GHA0154	20	200	N	10.0	7,000	7,000	700	50	7	30	200
GHA0175	N	150	N	5.0	1,500	>10,000	200	50	2	50	700
GHA0151	N	30	N	1.5	700	3,000	N	30	N	N	N
RLT0076	N	30	N	2.0	1,000	700	N	50	3	N	N
RLT0097	N	200	<100	20.0	7,000	1,000	300	>5,000	5	N	30
GHA0169	N	30	N	1.5	500	700	N	50	N	N	N
GHA0157	N	50	N	1.5	700	3,000	300	70	2	N	50
GHA0139	N	50	N	1.0	300	1,500	N	50	2	N	N
GHA0160	150	150	N	5.0	2,000	>10,000	500	70	7	N	20
LCH0252	N	150	200	2.0	1,000	700	200	30	7	20	150
LCH0237	N	200	N	30.0	>10,000	300	N	1,500	3	N	20
LCH0240	N	100	N	1.0	500	1,500	N	150	2	N	N
GHA0143	N	30	N	1.0	500	1,000	N	20	N	N	N
GHA0172	N	70	N	2.0	500	500	N	50	5	N	N
LCH0246	50	70	N	.7	500	300	N	100	10	N	N
RLT0353	N	200	100	1.0	500	500	N	300	N	N	20
LCH0255	N	300	N	1.0	500	100	N	30	15	N	30
RLT0002	N	300	300	2.0	500	200	N	20	2	N	20
RLT0334	N	50	N	1.5	300	500	N	50	N	N	N
LCH0234	N	200	200	1.0	700	1,000	N	70	15	N	<20
LCH0247	N	100	N	1.0	500	700	200	30	5	N	50
RLT0326	N	50	N	2.0	500	1,000	N	70	2	N	<20

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GM[illegible]271	3.00	.50	70	100	<200	20	>2,000	N	N	1.50
GM[illegible]301	3.00	1.50	200	200	N	50	>2,000	N	N	>2.00
MCMF349	5.00	1.00	200	50	N	N	1,500	N	N	.30
LC-0195	5.00	.20	500	500	500	30	2,000	50	70	>2.00
GMA0279	7.00	5.00	70	70	N	30	1,000	N	N	.70
JCF0294	1.50	.70	70	70	N	10	>2,000	70	N	.70
GMA0303	1.50	.30	50	70	N	N	>2,000	N	N	.70
MCM0203	10.00	.20	1,000	500	N	30	1,000	100	100	>2.00
JCF0273	2.00	1.00	50	30	N	15	1,500	N	N	1.00
[illegible]0365	1.50	.30	70	50	N	N	500	70	N	1.00
JCF0302	1.50	1.00	N	N	N	N	150	N	N	.30
LC-0216	5.00	.15	700	1,000	2,000	50	>2,000	70	50	>2.00
RLM0003	7.00	.20	1,500	1,500	>2,000	50	2,000	70	70	>2.00
MCM0027	7.00	.20	1,500	2,000	>2,000	50	>2,000	70	70	>2.00
JCF0102	7.00	.50	500	300	500	15	1,500	N	50	>2.00
LCM0363	1.00	.50	300	500	200	20	>2,000	20	N	1.50
GMA0114	7.00	5.00	N	50	N	50	700	N	N	.70
LCM0220	5.00	.70	1,000	200	200	20	1,000	20	100	>2.00
[illegible]0145	.20	.20	500	500	200	50	>2,000	30	50	>2.00
GM[illegible]0120	5.00	2.00	500	500	N	30	1,000	30	50	1.00
RLT0091	.20	1.00	300	150	<200	10	1,500	N	50	1.00
RLT0035	.30	.20	500	500	N	30	>2,000	N	N	2.00
GMA0163	5.00	3.00	300	500	200	70	>2,000	N	70	1.50
GM[illegible]0154	5.00	2.00	300	200	N	50	1,000	N	100	2.00
[illegible]0178	3.00	3.00	70	200	N	50	>2,000	N	50	2.00
GMA0151	.15	.20	N	20	N	N	700	N	N	.20
RLT0076	.50	.20	300	100	N	N	700	N	100	1.00
RLT0097	.70	1.00	300	150	N	30	700	20	70	2.00
[illegible]0169	.50	.20	N	20	N	N	700	N	N	.30
[illegible]0157	2.00	.70	N	50	N	10	1,500	N	N	.50
GMA0139	.70	.15	50	200	200	20	>2,000	50	100	1.00
GMA0160	.50	.20	1,000	1,500	<200	50	>2,000	N	<50	>2.00
LCM0252	5.00	1.00	150	150	N	15	>2,000	N	<50	2.00
LCM0237	1.50	.50	1,000	1,000	1,000	70	>2,000	N	200	1.00
LC-0240	.50	.10	200	700	700	30	>2,000	N	70	2.00
GMA0143	.20	.20	N	N	N	N	500	N	N	.15
GMA0172	.50	.20	N	500	N	30	>2,000	500	70	2.00
LCM0246	2.00	.10	500	500	500	20	>2,000	N	N	1.00
[illegible]0183	5.00	.20	700	500	300	30	>2,000	50	N	>2.00
LCM0265	5.00	.20	300	500	N	30	>2,000	20	70	>2.00
RLT0002	7.00	.10	1,500	2,000	>2,000	50	>2,000	30	100	>2.00
RLM0334	.70	.30	150	150	N	10	>2,000	N	N	1.00
LCMF284	7.00	.20	200	500	500	20	>2,000	N	N	2.00
[illegible]	3.00	.50	500	200	500	15	>2,000	N	50	2.00
[illegible]	.30	.20	150	300	N	20	>2,000	N	N	1.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
[illegible]0243	31 0 57	111 1 28	10	50	70	N	N	N	N	N	N
[illegible]347	31 9 15	110 56 54	10	30	200	N	N	N	N	N	N
[illegible]026	31 6 29	111 32 34	10,000	500	20,000	>2,000	>1,000	20	200.0	N	1,000
[illegible]022	31 12 13	111 30 3	100	150	1,500	N	N	N	N	N	N
[illegible]352	30 52 52	110 38 21	20	15	200	N	N	N	N	N	N
[illegible]317	30 51 35	110 49 25	<10	N	50	N	N	N	N	N	N
[illegible]315	30 54 6	110 50 0	500	N	50	N	N	N	N	N	N
[illegible]253	30 56 56	110 59 18	10	N	30	N	N	N	N	N	N
[illegible]242	30 54 34	110 57 32	30	N	30	N	N	20	N	N	N
[illegible]249	30 52 25	110 8 48	700	N	150	N	N	30	N	N	N
[illegible]215	31 14 53	111 7 3	<10	N	20	N	N	20	N	N	N
[illegible]236	31 17 24	111 8 56	10	N	100	N	N	N	N	N	N
[illegible]234	31 17 32	111 9 7	20	<10	2,000	N	N	10	N	N	200
[illegible]249	30 56 28	110 59 44	15	20	50	N	N	15	N	N	N
[illegible]233	30 51 10	110 54 29	20	30	20	N	N	N	N	N	N
[illegible]245	30 54 26	110 57 12	20	<10	20	N	N	N	N	N	N
[illegible]239	30 55 25	110 58 17	<10	N	30	N	N	N	N	N	N
[illegible]224	31 14 59	111 7 38	5,000	N	1,000	N	N	20	N	N	200
[illegible]230	30 51 0	110 54 33	70	N	70	N	N	N	7.0	N	N
[illegible]207	31 3 44	110 38 35	<10	10	<20	N	N	15	N	N	N
[illegible]158	31 17 11	110 47 47	20	70	70	N	N	20	N	N	N
[illegible]169	31 7 15	110 41 30	20	N	70	N	N	10	N	N	N
[illegible]199	31 10 39	110 42 25	300	20	150	N	N	N	N	N	N
[illegible]285	30 52 46	110 56 20	100	N	<20	N	N	N	N	N	N
[illegible]192	31 14 11	110 45 47	N	N	50	N	N	N	N	N	N
[illegible]149	31 15 16	110 49 15	50	N	20	N	N	N	N	N	N
[illegible]111	31 14 41	111 5 25	20	N	50	N	N	20	N	N	N
[illegible]194	31 13 45	110 45 37	10	20	50	N	N	N	N	N	N
[illegible]185	31 8 17	110 36 49	<10	30	50	N	N	N	N	N	N
[illegible]211	31 3 46	110 39 1	<10	<10	50	N	N	N	N	N	N
[illegible]129	31 18 40	110 39 57	500	50	70	N	N	20	N	N	N
[illegible]205	31 5 7	110 38 50	15	20	30	N	N	10	N	N	N
[illegible]123	31 18 40	110 39 38	300	50	300	N	N	200	N	N	N
[illegible]437	30 54 23	109 43 52	70	10	500	N	N	10	N	N	N
[illegible]439	30 58 16	109 43 50	30	N	150	N	N	10	N	N	N
[illegible]441	30 58 32	109 43 57	20	150	2,000	N	N	N	N	N	N
[illegible]443	30 57 51	109 41 36	20	10	200	N	N	10	N	N	N
[illegible]445	30 54 57	109 47 18	20	<10	100	N	N	15	N	N	N
[illegible]447	30 54 53	109 46 54	20	<10	100	N	N	15	N	N	N
[illegible]449	30 58 46	109 42 27	10	N	50	N	N	N	N	N	N
[illegible]451	30 59 4	109 43 21	20	N	150	N	N	N	N	N	N
[illegible]453	30 57 22	109 45 0	20	N	100	N	N	10	N	N	N
[illegible]455	30 52 30	109 43 0	15	N	70	N	N	10	N	N	N
[illegible]457	30 52 17	109 43 27	10	N	100	N	N	10	N	N	N
[illegible]459	30 52 32	109 45 6	15	N	70	N	N	10	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
BLT0243	500	200	700	1.0	700	300	N	200	3	N	N
BLM0347	N	300	N	.5	200	1,000	N	20	7	N	N
LC-0028	700	1,000	1,500	10.0	500	10,000	200	N	N	N	N
LCM0022	N	500	N	1.5	700	200	N	20	N	N	20
BLM0332	20	100	N	1.5	300	700	N	50	3	N	<20
BLM0317	N	70	N	1.0	300	700	N	70	2	N	N
BLM0315	N	30	N	.7	300	500	N	50	N	N	N
MEH0253	N	200	200	3.0	2,000	1,000	N	200	N	N	<20
MEH0242	N	300	N	10.0	1,000	300	N	70	N	15	30
BLM0299	N	300	N	5.0	1,000	>10,000	500	50	N	N	50
GHA0215	N	150	N	1.5	300	3,000	N	30	N	50	700
GHA0233	N	200	N	1.0	300	>10,000	700	100	5	10	20
GHA0236	N	150	N	5.0	5,000	>10,000	1,000	150	3	10	N
MEH0249	N	300	N	2.0	1,000	1,000	N	700	N	10	N
MEH0233	N	150	N	2.0	700	1,000	N	300	N	15	<20
MEH0245	N	300	N	2.0	700	1,500	N	30	N	10	20
MEH0239	N	200	N	2.0	500	10,000	N	150	N	10	<20
GHA0224	N	150	N	7.0	5,000	>10,000	2,000	20	3	15	150
MEH0230	>2,000	100	N	2.0	700	1,500	N	200	N	15	N
MEH0209	N	1,000	N	1.5	700	150	N	50	N	10	50
MEH0158	N	1,000	100	3.0	1,000	200	N	20	N	10	100
MEH0169	N	700	N	2.0	1,000	300	N	30	3	N	N
MEH0199	N	200	N	1.0	500	3,000	N	30	2	10	30
MEH0225	N	150	N	2.0	500	1,500	N	300	N	10	<20
MEH0192	N	300	N	3.0	1,500	70	N	N	N	N	70
MEH0149	N	150	N	1.5	500	1,000	N	N	15	10	70
GHA0111	N	300	N	15.0	700	3,000	N	30	N	10	70
MEH0194	N	300	N	2.0	1,000	2,000	N	N	N	10	30
MEH0185	N	300	N	1.5	1,000	200	N	N	N	N	20
MEH0211	N	300	N	1.5	700	300	N	200	2	10	50
JGF0129	50	700	200	5.0	1,000	500	N	N	N	N	150
MEH0205	N	700	N	3.0	1,000	500	N	50	N	15	70
JGF0123	N	500	200	20.0	>10,000	1,000	N	50	10	50	70
MEH0437	150	150	N	2.0	1,500	500	N	500	10	N	70
MEH0439	<20	150	N	3.0	700	1,500	N	500	15	N	70
MEH0441	<20	100	500	3.0	1,000	700	N	300	10	N	50
MEH0443	70	150	N	1.5	500	1,000	N	200	15	N	70
MEH0445	N	150	N	2.0	1,000	3,000	500	100	5	N	70
MEH0447	N	150	N	2.0	1,000	500	N	200	5	N	100
MEH0449	N	100	N	1.5	500	7,000	N	200	15	N	50
MEH0451	N	150	N	1.0	150	10,000	N	100	20	N	70
MEH0453	N	150	<100	3.0	1,000	1,000	N	1,000	7	N	70
MEH0455	<20	100	N	2.0	1,000	5,000	<200	300	10	N	100
MEH0457	N	100	N	2.0	700	300	N	150	10	N	30
MEH0459	N	150	N	2.0	1,000	3,000	N	100	2	20	200

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLT0243	1.00	.15	700	1,000	1,500	30	>2,000	50	50	2.00
ELM0347	.70	.07	150	2,000	1,000	50	>2,000	70	N	1.50
LCH0028	7.00	.07	1,000	700	700	20	>2,000	50	<50	>2.00
LCH0022	7.00	.10	1,500	1,000	>2,000	50	>2,000	70	100	>2.00
ELM0332	.50	.30	200	150	200	10	>2,000	N	N	1.00
ELM0317	.70	.20	100	150	N	10	>2,000	20	N	.70
ELM0315	.30	.20	50	100	N	10	>2,000	N	N	.50
MEH0253	1.50	.50	300	300	N	10	>2,000	300	70	2.00
MEH0242	1.00	.50	300	100	N	15	300	20	50	1.00
ELM0299	5.00	1.00	500	200	700	20	>2,000	N	70	>2.00
GHA0215	1.50	2.00	50	100	N	20	>2,000	200	N	.50
GHA0233	.20	.20	700	1,000	300	50	>2,000	30	70	>2.00
GHA0236	1.00	.30	200	100	N	10	1,000	20	100	2.00
MEH0249	3.00	.50	700	1,500	1,000	30	>2,000	100	150	>2.00
MEH0233	2.00	.50	200	200	N	10	>2,000	20	50	1.00
MEH0245	3.00	.20	300	500	N	N	1,000	30	150	>2.00
MEH0239	2.00	.20	300	500	300	20	>2,000	100	50	2.00
GHA0224	.50	.30	300	150	N	10	>2,000	N	50	.70
MEH0230	1.50	.30	300	150	N	10	>2,000	<20	N	.70
MEH0209	5.00	.20	1,000	2,000	700	70	>2,000	100	50	>2.00
MEH0158	10.00	.50	1,500	2,000	500	50	>2,000	150	100	>2.00
MEH0169	7.00	.15	1,000	>2,000	>2,000	200	>2,000	70	100	>2.00
MEH0199	3.00	.15	300	700	500	70	>2,000	30	N	>2.00
MEH0225	1.00	.30	100	150	N	N	>2,000	N	N	1.00
MEH0192	10.00	.20	1,500	2,000	N	70	>2,000	70	200	>2.00
MEH0149	3.00	.50	500	1,500	200	30	>2,000	50	<50	2.00
GHA0111	.50	.30	100	200	N	20	>2,000	N	N	1.50
MEH0194	5.00	.20	700	500	N	20	>2,000	70	150	>2.00
MEH0185	7.00	.15	1,000	700	1,500	30	>2,000	70	100	>2.00
MEH0211	5.00	.20	700	700	300	50	>2,000	50	50	>2.00
JGF0129	10.00	.70	1,500	1,000	200	70	>2,000	200	50	>2.00
MEH0205	10.00	.50	1,000	700	<200	30	1,500	100	150	>2.00
JGF0123	5.00	2.00	1,000	1,000	200	70	2,000	70	100	>2.00
MEH0437	3.00	.20	500	1,000	N	50	>2,000	70	70	>2.00
MEH0439	2.00	.15	500	700	N	50	>2,000	30	100	>2.00
MEH0441	3.00	.20	150	500	N	30	>2,000	N	50	1.50
MEH0443	1.00	.05	500	700	200	70	>2,000	30	100	>2.00
MEH0445	2.00	.15	500	700	N	30	>2,000	70	100	2.00
MEH0447	2.00	.30	500	700	300	30	>2,000	50	70	2.00
MEH0449	.70	.05	300	1,000	300	70	>2,000	200	100	>2.00
MEH0451	.50	<.05	500	1,000	300	150	>2,000	30	150	>2.00
MEH0453	2.00	.15	300	500	N	30	>2,000	20	100	2.00
MEH0455	2.00	.30	300	700	N	50	>2,000	30	100	2.00
MEH0457	1.50	<.05	2,000	1,000	1,000	150	>2,000	100	150	>2.00
MEH0459	5.00	.70	200	500	N	30	>2,000	50	100	2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
MEH0461	30 52 57	109 46 21	10	<10	200	N	N	15	N	N	N
MEH0463	30 54 17	109 49 9	200	10	150	N	N	10	N	N	N
MEH0465	30 54 29	109 48 51	10	N	30	N	N	15	N	N	N
MEH0467	30 53 21	109 47 3	20	<10	150	N	N	10	N	N	N
MEH0469	30 41 46	109 35 45	50	<10	100	1,000	N	70	N	N	N
MEH0471	30 41 15	109 36 2	15	10	50	N	N	50	N	N	N
MEH0473	30 40 46	109 36 0	10	N	N	N	N	20	N	N	N
MEH0475	30 39 43	109 35 39	30	N	<20	N	N	20	N	N	N
MEH0477	30 37 55	109 36 45	15	N	N	N	N	20	N	N	N
MEH0479	30 37 16	109 37 0	10	N	30	N	N	20	N	N	N
MEH0481	30 36 14	109 37 24	15	15	70	N	N	15	N	N	N
MEH0483	30 34 37	109 37 33	15	15	100	N	N	10	N	N	N
MEH0485	30 32 42	109 37 54	10	<10	150	N	N	10	N	N	N
MEH0487	30 29 40	109 37 44	10	N	<20	N	N	20	N	N	N
MEH0489	30 29 38	109 38 3	<10	N	<20	N	N	20	N	N	N
MEH0491	30 26 40	109 32 42	20	N	100	N	N	30	N	N	N
MEH0493	30 26 50	109 32 18	100	N	200	N	N	30	3.0	N	N
MEH0495	30 27 41	109 32 17	50	N	200	N	N	20	1.0	N	N
MEH0497	30 25 52	109 30 33	150	10	2,000	N	N	30	N	N	N
MEH0499	30 25 18	109 30 21	200	N	2,000	700	N	50	N	500	N
MEH0501	30 25 53	109 28 57	200	N	2,000	N	N	30	N	N	N
MEH0505	30 26 46	109 26 6	50	10	150	N	N	30	N	N	N
MEH0507	30 0 20	109 46 39	50	<10	200	N	N	10	N	N	N
MEH0509	30 7 6	109 46 32	700	10	150	N	N	15	N	N	N
MEH0511	30 7 20	109 46 36	1,000	N	100	1,000	N	10	N	N	N
MEH0513	30 12 38	109 48 42	100	10	300	N	N	20	N	N	N
MEH0515	30 13 7	109 49 9	1,000	10	500	N	N	15	1.0	N	N
MEH0517	30 12 16	109 48 15	50	10	150	N	N	15	N	N	N
MEH0519	30 14 41	109 48 57	20	<10	20	N	N	10	N	N	N
MEH0521	30 16 34	109 49 30	100	<10	100	N	N	50	N	N	N
MEH0523	30 17 27	109 50 23	100	<10	300	N	N	15	1.0	N	N
MEH0525	30 17 45	109 49 57	150	10	30	N	N	15	N	N	N
MEH0527	30 18 32	109 50 5	200	15	200	N	N	10	N	N	N
MEH0529	30 17 9	109 50 36	200	N	3,000	20,000	200	30	150.0	N	N
MEH0530	30 10 20	109 49 31	50	N	100	N	N	10	N	N	N
MEH0531	30 10 20	109 49 31	500	N	1,000	N	N	15	N	N	N
MEH0534	30 3 50	109 48 38	50	N	200	N	N	20	N	N	N
MEH0536	30 0 14	109 50 15	30	N	300	N	N	15	N	N	N
MEH0538	30 10 56	109 42 13	1,000	N	100	7,000	<50	200	N	N	N
MEH0540	30 10 48	109 41 56	100	N	100	N	N	20	N	N	N
MEH0544	30 10 3	110 17 42	30	N	150	N	N	10	N	N	N
MEH0548	30 21 12	110 33 39	15	N	N	N	N	15	N	N	N
MEH0550	30 21 23	110 34 0	30	10	100	N	N	20	N	N	N
MEH0552	30 20 13	110 33 18	20	N	70	N	N	20	N	N	N
MEH0554	30 17 38	110 24 45	15	N	20	N	N	N	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. reqional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
MEH0461	N	150	N	3.0	1,000	500	N	100	10	N	50
MEH0463	N	100	N	2.0	500	>10,000	500	300	7	N	30
MEH0465	N	100	N	2.0	1,000	700	<200	50	7	50	300
MEH0467	N	150	N	2.0	1,000	10,000	300	100	5	15	70
MEH0469	N	300	N	20.0	5,000	3,000	N	20	3	50	70
MEH0471	N	200	N	15.0	5,000	200	N	70	5	20	70
MEH0473	N	150	N	7.0	3,000	700	N	20	15	N	20
MEH0475	N	150	N	5.0	5,000	1,000	N	20	15	30	100
MEH0477	N	150	N	5.0	2,000	70	N	20	15	30	150
MEH0479	N	100	N	5.0	3,000	70	N	50	10	50	150
MEH0481	N	100	N	5.0	3,000	150	N	70	20	N	30
MEH0483	N	100	N	5.0	7,000	150	N	500	5	15	150
MEH0485	N	100	N	5.0	2,000	300	200	300	150	N	50
MEH0487	N	100	N	5.0	1,000	N	N	200	N	150	500
MEH0489	N	100	N	2.0	1,500	N	N	20	N	100	500
MEH0491	N	200	N	3.0	1,500	700	<200	150	N	150	1,000
MEH0493	N	300	N	10.0	2,000	700	300	150	3	150	700
MEH0495	N	200	N	7.0	1,500	1,000	300	200	3	100	300
MEH0497	N	200	N	7.0	5,000	3,000	N	500	10	500	70
MEH0499	N	300	N	7.0	5,000	1,500	300	1,000	3	100	500
MEH0501	N	200	N	5.0	5,000	5,000	500	1,500	5	N	100
MEH0505	N	300	N	7.0	2,000	3,000	300	50	2	20	70
MEH0507	N	200	N	5.0	1,000	1,000	500	1,000	3	N	50
MEH0509	N	200	N	5.0	700	3,000	300	2,000	2	10	50
MEH0511	N	200	N	3.0	1,000	>10,000	700	1,500	5	N	30
MEH0513	N	200	N	3.0	1,500	1,500	200	500	N	70	200
MEH0515	N	300	N	5.0	1,000	5,000	300	5,000	5	N	70
MEH0517	N	300	N	5.0	2,000	300	300	700	2	N	50
MEH0519	N	200	N	3.0	1,500	100	N	300	5	N	50
MEH0521	N	300	N	10.0	2,000	200	200	500	5	20	50
MEH0523	N	200	N	5.0	700	>10,000	700	1,000	5	15	100
MEH0525	N	200	150	5.0	5,000	300	N	100	2	N	30
MEH0527	N	150	150	3.0	2,000	700	N	150	2	N	100
MEH0529	N	200	N	7.0	3,000	10,000	500	150	3	20	20
MEH0530	N	150	N	2.0	1,000	>10,000	500	50	5	N	20
MEH0531	N	200	N	5.0	1,000	2,000	300	70	7	20	70
MEH0534	N	200	N	5.0	1,500	3,000	300	150	2	50	200
MEH0536	N	200	N	5.0	2,000	1,500	300	700	3	10	100
MEH0538	N	300	N	7.0	1,000	>10,000	1,000	3,000	3	30	70
MEH0540	N	150	N	5.0	500	>10,000	1,000	50	2	N	30
MEH0544	N	150	N	2.0	2,000	2,000	N	700	10	N	30
MEH0548	N	150	N	2.0	700	70	N	50	N	100	200
MEH0550	N	200	N	3.0	1,000	700	<200	100	2	100	300
MEH0552	N	150	N	3.0	1,000	200	N	70	N	100	200
MEH0554	N	70	N	3.0	700	>10,000	2,000	70	N	N	50

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0461	1.50	.07	500	700	200	70	>2,000	50	150	>2.00
MEH0463	1.00	.07	500	300	N	30	>2,000	30	100	>2.00
MEH0465	2.00	1.00	500	700	N	30	>2,000	50	70	2.00
MEH0467	2.00	.30	200	200	N	30	>2,000	20	100	>2.00
MEH0469	.50	.10	200	150	N	15	>2,000	N	50	2.00
MEH0471	1.50	.20	300	700	200	50	>2,000	50	100	>2.00
MEH0473	.70	.07	200	700	N	50	>2,000	20	50	>2.00
MEH0475	1.50	.50	300	1,000	N	50	>2,000	30	50	>2.00
MEH0477	1.50	.30	300	1,500	N	30	>2,000	50	50	>2.00
MEH0479	2.00	1.00	300	1,000	N	50	>2,000	70	70	>2.00
MEH0481	1.50	.15	1,000	1,000	200	70	>2,000	70	100	>2.00
MEH0483	2.00	1.00	500	1,000	N	50	>2,000	70	200	>2.00
MEH0485	1.50	.20	300	500	N	20	>2,000	30	100	2.00
MEH0487	5.00	7.00	200	300	N	30	>2,000	20	100	1.00
MEH0489	5.00	2.00	500	1,000	N	30	>2,000	50	70	2.00
MEH0491	5.00	5.00	100	200	N	70	>2,000	N	<50	1.50
MEH0493	5.00	5.00	150	150	N	50	>2,000	N	<50	1.50
MEH0495	3.00	1.50	200	150	N	30	>2,000	N	<50	2.00
MEH0497	2.00	.30	500	1,500	N	50	>2,000	150	70	>2.00
MEH0499	3.00	2.00	100	200	N	30	>2,000	N	<50	1.50
MEH0501	1.50	.50	300	700	N	30	>2,000	30	50	2.00
MEH0505	5.00	.70	200	100	N	15	>2,000	N	<50	1.00
MEH0507	2.00	.20	200	150	N	15	>2,000	20	70	>2.00
MEH0509	1.50	.30	150	150	N	15	>2,000	20	50	2.00
MEH0511	1.00	.20	300	300	N	30	>2,000	N	<50	2.00
MEH0513	5.00	1.50	500	500	200	20	>2,000	50	70	>2.00
MEH0515	3.00	1.00	500	500	N	20	>2,000	50	70	>2.00
MEH0517	3.00	.50	500	500	N	20	>2,000	30	70	>2.00
MEH0519	2.00	.15	500	500	200	20	>2,000	50	50	>2.00
MEH0521	2.00	.20	300	500	<200	20	>2,000	30	50	>2.00
MEH0523	1.50	.50	200	200	N	15	>2,000	20	50	2.00
MEH0525	7.00	.20	200	200	200	10	>2,000	30	50	1.50
MEH0527	3.00	.70	1,000	700	700	20	>2,000	70	50	>2.00
MEH0529	1.00	.50	70	100	N	N	>2,000	N	<50	1.00
MEH0530	1.00	.20	100	500	N	50	>2,000	20	50	>2.00
MEH0531	2.00	1.00	150	150	N	15	>2,000	N	<50	2.00
MEH0534	3.00	1.50	200	200	N	20	>2,000	<20	50	2.00
MEH0536	2.00	.70	200	200	N	20	>2,000	100	70	>2.00
MEH0538	2.00	1.00	300	150	N	15	>2,000	20	N	>2.00
MEH0540	2.00	.20	300	150	N	10	>2,000	N	<50	2.00
MEH0544	2.00	.15	300	700	N	30	>2,000	30	70	>2.00
MEH0548	1.50	2.00	300	500	N	30	>2,000	<20	<50	>2.00
MEH0550	1.50	2.00	500	300	N	30	>2,000	20	100	2.00
MEH0552	1.50	2.00	500	300	N	30	>2,000	N	50	>2.00
MEH0554	.70	.20	200	150	N	10	>2,000	N	<50	1.50

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
MEH0556	30 12 39	110 24 24	20	N	20	N	N	N	N	N	N
MEH0558	31 19 45	109 47 24	3,000	N	1,500	N	N	N	N	N	N
MEH0559	30 28 12	110 37 48	20	N	700	N	N	N	N	N	N
MEH0561	30 28 12	110 37 48	20	20	100	N	N	N	N	N	N
MEH0567	30 39 51	110 32 30	7,000	<10	7,000	700	50	50	700.0	3,000	2,000
MEH0569	30 39 7	110 33 11	1,000	30	3,000	N	70	20	1,000.0	1,000	1,000
MEH0576	30 38 13	110 34 39	700	N	1,500	N	N	10	100.0	N	200
MEH0578	30 37 57	110 35 17	50	N	150	N	N	10	N	1,500	N
MEH0580	30 38 46	110 37 45	70	N	300	N	N	70	N	N	N
MEH0595	30 42 14	110 41 21	70	N	300	N	N	20	N	N	N
ELM0355	31 7 58	109 45 57	20	N	30	N	N	N	N	N	N
ELM0357	31 7 36	109 45 50	150	N	100	N	N	15	N	N	N
ELM0359	31 6 33	109 45 51	100	<10	100	N	N	20	N	N	N
ELM0361	31 6 9	109 45 49	100	10	300	N	N	20	7.0	N	N
ELM0363	31 4 46	109 45 51	100	10	150	N	N	20	N	N	N
ELM0365	31 3 49	109 45 32	150	20	300	N	N	50	N	N	N
ELM0367	31 2 42	109 44 57	50	N	200	N	N	15	N	N	N
ELM0369	31 2 10	109 45 27	10	N	150	N	N	10	N	N	N
ELM0371	31 1 38	109 45 30	30	N	150	N	N	15	N	N	N
ELM0373	31 7 45	109 46 0	20	N	70	N	N	N	N	N	N
ELM0375	31 1 1	109 44 44	30	N	200	N	N	15	N	N	N
ELM0377	31 1 15	109 42 36	10	N	150	N	N	10	N	N	N
ELM0379	31 2 17	109 43 20	30	N	150	N	N	20	N	N	N
ELM0381	31 6 43	109 48 54	15	N	50	N	N	N	N	N	N
ELM0383	31 8 37	109 45 21	10	N	100	N	N	10	N	N	N
ELM0385	31 9 1	109 45 17	10	N	50	N	N	N	N	N	N
ELM0387	31 9 26	109 45 0	50	N	70	N	N	10	N	N	N
ELM0389	31 10 55	109 44 39	300	70	1,000	N	N	20	N	N	N
ELM0391	31 11 29	109 44 42	70	N	150	N	N	15	N	N	N
ELM0393	31 11 46	109 44 30	100	100	500	N	N	30	N	N	N
ELM0395	31 12 32	109 44 3	200	50	1,000	N	N	20	N	N	N
ELM0397	30 51 50	109 33 45	15	N	<20	N	N	N	N	N	N
ELM0399	30 53 47	109 32 42	50	N	150	N	N	10	N	N	N
ELM0401	30 54 5	109 32 45	10	N	20	N	N	20	N	N	N
ELM0403	30 57 15	109 31 47	15	N	50	N	N	15	N	N	N
ELM0405	30 56 51	109 32 27	20	N	100	N	N	10	N	N	N
ELM0407	30 47 28	109 34 9	50	N	100	N	N	20	N	N	N
ELM0409	30 46 21	109 34 39	30	N	30	N	N	N	N	N	N
ELM0411	30 45 6	109 34 36	30	N	30	N	N	15	N	N	N
ELM0413	30 43 6	109 34 6	20	N	50	N	N	10	15.0	N	N
ELM0415	30 41 54	109 30 42	700	15	200	N	N	15	N	N	N
ELM0417	30 38 21	109 25 6	100	N	70	N	N	20	N	N	N
ELM0419	30 36 22	109 25 3	20	N	300	N	N	10	N	N	N
ELM0421	30 34 39	109 23 30	15	N	50	N	N	15	N	N	N
ELM0423	30 32 47	109 23 18	20	N	50	N	N	30	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
[illegible]	N	70	N	1.5	700	>10,000	2,000	300	N	N	50
[illegible]	N	150	N	5.0	700	1,500	N	50	10	N	30
[illegible]	N	200	N	7.0	1,000	1,000	300	200	N	10	20
[illegible]	N	500	N	1.5	1,000	300	N	200	5	15	100
[illegible]	N	700	N	7.0	5,000	10,000	1,000	1,500	2	20	30
[illegible]	30	150	200	5.0	500	>10,000	700	300	5	N	30
[illegible]	N	200	500	5.0	700	7,000	500	700	3	N	50
[illegible]	N	200	N	5.0	500	1,000	1,000	300	3	20	70
[illegible]	N	150	N	5.0	2,000	300	300	200	N	50	20
[illegible]	N	300	N	7.0	1,500	1,500	700	1,000	3	50	100
[illegible]	N	150	N	2.0	1,000	>10,000	5,000	70	5	N	100
[illegible]	N	200	N	7.0	1,000	>10,000	2,000	100	7	N	100
[illegible]	N	100	N	5.0	1,500	>10,000	5,000	70	2	15	20
[illegible]	N	150	N	5.0	3,000	>10,000	2,000	100	3	15	70
[illegible]	N	150	N	7.0	2,000	>10,000	2,000	100	5	15	100
[illegible]	N	200	N	15.0	5,000	>10,000	500	150	10	70	100
[illegible]	N	150	N	10.0	5,000	1,000	3,000	100	7	20	100
[illegible]	N	100	N	3.0	3,000	700	2,000	50	7	N	70
[illegible]	N	100	N	3.0	1,500	3,000	2,000	70	10	10	100
[illegible]	N	100	N	1.5	1,500	>10,000	5,000	100	3	N	20
[illegible]	N	150	N	5.0	2,000	>10,000	1,000	70	5	15	70
[illegible]	N	100	N	3.0	2,000	5,000	3,000	70	7	N	50
[illegible]	N	100	N	5.0	1,500	2,000	1,000	50	10	10	70
[illegible]	N	150	N	2.0	1,000	>10,000	3,000	70	7	N	20
[illegible]	N	200	N	2.0	1,000	>10,000	700	100	10	N	50
[illegible]	N	70	N	1.0	500	>10,000	2,000	100	7	N	30
[illegible]	N	100	N	3.0	700	>10,000	2,000	500	5	N	70
[illegible]	N	150	N	5.0	1,000	>10,000	1,000	500	7	30	70
[illegible]	N	200	N	5.0	1,000	>10,000	500	700	7	N	70
[illegible]	N	200	N	7.0	1,500	>10,000	2,000	700	5	30	100
[illegible]	N	200	N	5.0	1,500	>10,000	1,500	300	3	20	70
[illegible]	N	100	N	1.5	1,000	>10,000	1,500	30	7	N	50
[illegible]	N	150	N	2.0	1,500	10,000	700	300	5	N	100
[illegible]	N	100	N	3.0	2,000	1,500	N	50	15	50	1,000
[illegible]	N	100	N	2.0	1,500	10,000	200	100	10	N	70
[illegible]	N	150	N	3.0	1,500	3,000	300	150	5	N	50
[illegible]	N	200	N	5.0	3,000	1,500	<200	150	7	N	50
[illegible]	N	50	N	1.5	500	>10,000	5,000	100	N	N	<20
[illegible]	N	70	N	2.0	2,000	>10,000	3,000	100	3	N	30
[illegible]	N	70	N	2.0	2,000	>10,000	1,500	50	3	N	30
[illegible]	N	100	N	3.0	500	>10,000	>10,000	500	2	10	<20
[illegible]	N	500	N	7.0	2,000	>10,000	1,000	30	2	30	300
[illegible]	N	100	<100	3.0	3,000	7,000	1,000	20	5	N	20
[illegible]	N	150	N	2.0	2,000	>10,000	1,000	30	10	N	150
[illegible]	N	200	N	5.0	5,000	1,000	N	50	15	70	500

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0556	1.00	.20	300	200	N	10	>2,000	N	<50	1.50
MEH0558	.30	.05	300	1,000	N	50	>2,000	200	100	2.00
MEH0559	5.00	.50	150	150	N	15	>2,000	N	<50	2.00
MEH0561	7.00	.30	1,000	500	200	10	2,000	50	200	>2.00
MEH0567	3.00	.50	70	100	N	10	>2,000	N	<50	1.50
MEH0569	1.00	.15	200	300	N	20	>2,000	N	<50	1.50
MEH0576	1.50	.20	200	150	N	15	>2,000	N	<50	1.50
MEH0578	2.00	.50	200	150	N	10	>2,000	N	50	2.00
MEH0580	1.50	.50	N	100	N	N	>2,000	N	70	1.00
MEH0595	2.00	.70	100	100	N	10	>2,000	N	50	>2.00
ELM0355	5.00	.20	500	1,000	N	30	>2,000	70	70	>2.00
ELM0357	1.00	.10	200	200	N	30	>2,000	N	50	>2.00
ELM0359	1.00	.07	50	50	N	10	>2,000	N	N	.50
ELM0361	2.00	.30	70	70	N	10	>2,000	N	<50	.70
ELM0363	3.00	.20	500	300	N	20	>2,000	N	70	>2.00
ELM0365	1.50	.10	300	500	N	20	>2,000	N	50	2.00
ELM0367	5.00	.30	1,000	200	N	30	2,000	N	<50	2.00
ELM0369	5.00	.20	500	200	N	30	>2,000	<20	50	2.00
ELM0371	7.00	.50	300	300	N	50	>2,000	N	50	2.00
ELM0373	3.00	.10	300	500	N	15	>2,000	20	50	1.00
ELM0375	5.00	.30	300	300	N	20	>2,000	20	100	>2.00
ELM0377	3.00	.15	700	500	N	50	>2,000	20	50	2.00
ELM0379	7.00	.50	500	500	N	30	>2,000	<20	70	2.00
ELM0381	1.50	.05	300	700	N	30	>2,000	<20	<50	1.50
ELM0383	1.50	.15	300	700	300	70	>2,000	20	100	>2.00
ELM0385	.50	.05	300	500	N	50	>2,000	N	50	2.00
ELM0387	1.50	.20	200	200	N	15	>2,000	N	50	2.00
ELM0389	1.00	.20	200	200	N	20	>2,000	N	50	2.00
ELM0391	1.00	.20	200	300	N	20	>2,000	N	50	2.00
ELM0393	3.00	.50	300	200	N	30	>2,000	N	<50	2.00
ELM0395	1.50	.30	100	150	N	15	>2,000	<20	50	2.00
ELM0397	1.50	.15	200	700	500	50	>2,000	N	50	2.00
ELM0399	2.00	.20	300	500	N	50	>2,000	70	70	>2.00
ELM0401	2.00	1.50	200	1,000	200	70	>2,000	20	70	>2.00
ELM0403	1.50	.20	500	1,000	700	100	>2,000	30	100	>2.00
ELM0405	2.00	.20	300	700	N	30	>2,000	100	70	2.00
ELM0407	1.50	.15	300	500	N	50	>2,000	30	70	>2.00
ELM0409	2.00	.05	150	150	N	15	>2,000	N	<50	.70
ELM0411	1.50	.20	200	300	N	20	>2,000	N	70	2.00
ELM0413	1.50	.10	200	700	N	50	>2,000	<20	70	>2.00
ELM0415	3.00	.50	150	100	N	10	>2,000	N	50	1.50
ELM0417	5.00	2.00	700	150	N	50	>2,000	N	<50	1.00
ELM0419	30.00	.10	100	150	N	15	>2,000	N	N	.70
ELM0421	7.00	.50	300	700	N	50	>2,000	20	70	>2.00
ELM0423	3.00	1.50	300	700	N	70	>2,000	100	50	>2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
ELM0425	30 36 18	109 23 39	100	N	100	N	N	20	10.0	N	N
ELM0427	30 26 51	109 41 33	70	70	100	N	N	20	N	N	N
ELM0429	30 26 49	109 41 18	100	30	50	N	N	20	N	N	N
ELM0431	30 26 12	109 40 52	500	N	100	N	N	30	1.5	N	N
ELM0433	30 9 49	109 19 24	50	10	150	N	N	20	N	500	N
ELM0435	30 10 36	109 19 39	100	N	300	N	N	20	N	1,500	N
ELM0437	30 12 24	109 21 1	15	N	70	N	N	30	N	N	N
ELM0439	30 13 1	109 21 16	20	N	<20	N	N	30	N	N	N
ELM0441	30 14 15	109 21 11	150	N	30	N	N	30	N	N	N
ELM0443	30 14 33	109 21 3	20	N	100	N	N	50	N	N	N
ELM0445	30 15 23	109 21 48	20	N	100	N	N	50	N	700	N
ELM0447	30 17 47	109 23 46	70	N	100	N	N	15	N	N	N
ELM0449	30 22 30	109 28 45	150	15	700	500	N	70	N	N	N
ELM0451	30 22 57	109 29 21	70	15	200	N	N	50	N	N	N
ELM0453	30 23 20	109 29 30	100	<10	300	N	N	50	N	N	N
ELM0455	30 22 53	109 28 44	500	50	1,000	1,000	<50	150	5.0	N	N
ELM0457	30 24 15	109 29 12	150	10	1,000	N	N	30	N	N	N
ELM0459	30 24 50	109 29 30	200	10	1,500	N	N	30	N	N	N
ELM0461	30 11 21	109 19 31	15	N	30	N	N	30	N	N	N
ELM0463	30 38 29	109 19 35	70	10	150	N	N	30	N	N	N
ELM0465	30 7 24	109 19 53	30	10	150	N	N	50	N	N	N
ELM0467	30 6 24	109 19 28	30	N	100	N	N	50	N	N	N
ELM0469	30 4 56	109 19 51	30	N	200	N	N	30	N	N	N
ELM0471	30 4 47	109 19 42	50	10	150	N	N	50	N	N	N
ELM0473	30 1 8	109 19 30	50	N	100	N	N	30	N	N	N
ELM0475	30 0 24	109 19 50	20	N	100	N	N	15	N	N	N
ELM0477	30 7 46	109 41 50	30	15	150	N	N	15	N	N	N
ELM0479	30 7 59	109 41 43	100	10	700	N	N	20	N	N	N
ELM0481	30 1 8	110 12 42	50	15	150	N	N	20	N	N	N
ELM0483	30 1 3	110 11 30	30	15	200	N	N	15	N	N	N
ELM0485	30 1 39	110 12 42	50	10	200	N	N	10	N	N	N
ELM0487	30 2 29	110 12 51	50	15	150	N	N	10	N	N	N
ELM0489	30 3 27	110 12 54	100	N	150	N	N	15	N	N	N
ELM0491	30 4 23	110 11 3	700	N	150	N	N	15	N	N	N
ELM0493	30 5 40	110 10 9	70	10	700	N	N	30	N	N	N
ELM0495	30 5 33	110 10 3	100	15	100	N	N	70	N	N	N
ELM0497	30 4 36	110 11 27	50	N	100	N	N	30	N	N	N
ELM0497	30 4 36	110 11 27	3,000	N	1,500	20,000	500	20	70.0	N	<200
ELM0501	30 8 32	110 10 24	70	N	1,500	10,000	300	30	5.0	N	<200
ELM0503	30 22 20	110 33 36	70	N	100	N	N	30	N	N	200
ELM0505	30 24 43	110 33 0	50	20	100	N	N	50	N	N	200
ELM0507	30 24 34	110 32 39	70	N	100	N	N	30	N	N	300
ELM0509	30 27 13	110 33 12	70	15	300	N	N	50	N	N	N
ELM0511	30 26 47	110 32 45	150	20	70	N	N	50	N	N	N
ELM0513	30 28 48	110 34 5	500	N	1,000	N	N	50	10.0	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
ELM0425	N	200	N	5.0	2,000	>10,000	3,000	20	5	30	300
ELM0427	N	200	100	2.0	1,500	2,000	500	500	N	10	70
ELM0429	N	150	N	2.0	1,500	5,000	200	200	N	150	700
ELM0431	N	200	N	3.0	1,500	>10,000	500	20	N	150	300
ELM0433	N	200	N	5.0	3,000	3,000	300	500	5	50	300
ELM0435	N	200	N	5.0	3,000	>10,000	2,000	500	5	N	500
ELM0437	N	150	N	5.0	5,000	1,000	N	30	15	150	1,000
ELM0439	N	200	N	3.0	2,000	500	<200	30	N	200	2,000
ELM0441	N	200	N	7.0	5,000	>10,000	700	50	10	100	1,000
ELM0443	N	200	N	5.0	3,000	10,000	200	50	2	150	1,500
ELM0445	N	300	N	7.0	5,000	10,000	500	50	5	70	700
ELM0447	N	150	N	3.0	3,000	2,000	<200	150	7	N	150
ELM0449	N	200	N	10.0	>10,000	5,000	200	70	3	100	700
ELM0451	N	200	N	5.0	3,000	2,000	200	500	3	100	700
ELM0453	N	300	N	10.0	10,000	2,000	300	200	2	100	700
ELM0455	30	300	N	50.0	>10,000	1,000	200	100	5	70	70
ELM0457	N	300	N	5.0	3,000	700	500	1,000	3	70	700
ELM0459	N	200	N	5.0	5,000	10,000	300	300	7	70	700
ELM0461	N	200	N	5.0	3,000	300	N	150	5	100	1,000
ELM0463	N	200	N	5.0	5,000	>10,000	1,000	50	10	15	100
ELM0465	N	200	N	10.0	10,000	1,000	N	50	10	50	500
ELM0467	N	300	N	7.0	5,000	5,000	500	200	30	30	300
ELM0469	N	300	N	7.0	10,000	1,000	300	200	15	N	150
ELM0471	N	300	N	15.0	5,000	10,000	300	150	7	30	150
ELM0473	N	200	N	7.0	5,000	1,500	200	150	3	70	1,000
ELM0475	N	200	N	5.0	2,000	>10,000	2,000	150	2	20	500
ELM0477	N	200	N	5.0	2,000	10,000	300	150	5	N	70
ELM0479	N	300	N	5.0	1,500	5,000	300	1,500	3	15	150
ELM0481	N	300	N	7.0	2,000	1,500	300	300	5	N	50
ELM0483	N	300	N	5.0	2,000	1,000	300	200	5	N	50
ELM0485	N	200	N	5.0	2,000	300	<200	300	7	N	70
ELM0487	N	200	N	5.0	2,000	1,000	200	300	5	N	70
ELM0489	N	200	N	5.0	2,000	3,000	500	200	2	N	50
ELM0491	N	200	N	5.0	2,000	>10,000	700	100	3	N	50
ELM0493	N	150	N	10.0	1,500	>10,000	700	100	2	N	30
ELM0495	N	300	N	30.0	1,500	7,000	500	50	N	20	70
ELM0497	N	200	N	15.0	3,000	1,500	1,500	100	N	N	50
ELM0497	70	70	N	5.0	700	>10,000	2,000	200	N	N	30
ELM0501	<20	70	N	10.0	500	>10,000	5,000	200	N	N	30
ELM0503	N	200	N	15.0	2,000	>10,000	700	150	2	70	700
ELM0505	N	200	N	15.0	2,000	5,000	500	300	2	100	1,000
ELM0507	N	150	N	10.0	1,000	>10,000	3,000	30	N	30	300
ELM0509	N	200	N	10.0	2,000	7,000	500	500	2	70	700
ELM0511	N	150	N	10.0	2,000	10,000	300	100	N	100	1,000
ELM0513	<20	300	150	15.0	1,500	10,000	700	1,000	N	N	70

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
EL[illegible]425	10.00	2.00	200	500	N	30	>2,000	30	N	1.50
EL [illegible]427	7.00	.30	1,000	500	700	10	2,000	100	150	>2.00
EL[illegible]429	7.00	2.00	700	500	300	50	>2,000	50	100	>2.00
EL[illegible]431	3.00	2.00	70	70	N	50	>2,000	N	<50	1.50
EL[illegible]433	3.00	1.50	300	500	N	50	>2,000	50	70	>2.00
EL[illegible]435	3.00	1.00	500	500	N	50	>2,000	20	70	>2.00
EL[illegible]437	3.00	2.00	100	500	N	70	>2,000	20	<50	>2.00
EL[illegible]439	10.00	7.00	150	500	N	100	>2,000	50	50	2.00
EL[illegible]441	3.00	2.00	200	500	N	50	>2,000	30	50	>2.00
EL[illegible]443	5.00	3.00	200	300	N	70	>2,000	50	<50	2.00
EL[illegible]445	5.00	3.00	300	500	N	70	>2,000	100	<50	>2.00
EL[illegible]447	2.00	1.00	300	500	200	50	>2,000	150	N	>2.00
EL[illegible]449	3.00	3.00	150	200	N	50	>2,000	N	<50	2.00
EL[illegible]451	3.00	3.00	200	500	N	50	>2,000	30	70	>2.00
EL[illegible]453	3.00	5.00	50	70	N	50	>2,000	N	N	2.00
EL[illegible]455	.70	.10	N	30	N	15	500	N	N	1.50
EL[illegible]457	3.00	3.00	200	300	N	70	>2,000	30	<50	2.00
EL[illegible]459	3.00	2.00	300	500	200	50	>2,000	30	50	2.00
EL[illegible]461	5.00	5.00	150	500	N	70	>2,000	30	50	>2.00
EL[illegible]463	2.00	.70	200	200	N	20	>2,000	N	50	2.00
EL[illegible]465	3.00	2.00	150	500	N	70	>2,000	30	70	>2.00
EL[illegible]467	2.00	1.00	200	500	N	50	>2,000	20	50	>2.00
EL[illegible]469	2.00	.50	300	700	N	50	>2,000	50	50	>2.00
EL[illegible]471	1.50	.50	200	300	N	30	>2,000	30	50	>2.00
EL[illegible]473	5.00	3.00	150	300	N	50	>2,000	30	50	2.00
EL[illegible]475	2.00	1.50	200	500	N	30	>2,000	30	70	2.00
EL[illegible]477	5.00	.20	300	500	N	30	>2,000	30	50	>2.00
EL[illegible]479	3.00	.70	200	150	N	30	2,000	20	50	>2.00
EL[illegible]481	3.00	.20	300	500	N	30	>2,000	30	70	>2.00
EL[illegible]483	3.00	.15	300	300	N	20	>2,000	20	100	>2.00
EL[illegible]485	3.00	.10	500	500	N	50	>2,000	30	70	>2.00
EL[illegible]487	3.00	.30	300	500	N	50	>2,000	30	70	>2.00
EL[illegible]489	3.00	.30	150	200	N	20	>2,000	20	<50	2.00
EL[illegible]491	2.00	.20	150	300	N	20	>2,000	N	50	>2.00
EL[illegible]493	3.00	.50	300	200	N	50	>2,000	20	70	>2.00
EL[illegible]495	2.00	1.00	70	100	N	50	2,000	N	50	>2.00
EL[illegible]497	10.00	.70	150	150	N	50	2,000	N	50	2.00
EL[illegible]499	3.00	.30	70	50	N	15	1,000	N	N	.50
EL[illegible]501	3.00	.20	100	30	N	15	1,500	N	N	.50
EL[illegible]503	7.00	3.00	150	150	N	50	>2,000	N	<50	2.00
EL[illegible]505	10.00	3.00	150	200	N	70	>2,000	N	50	>2.00
EL[illegible]507	3.00	2.00	150	150	N	30	>2,000	N	<50	1.50
EL[illegible]509	5.00	3.00	200	150	N	70	>2,000	N	50	>2.00
EL[illegible]511	5.00	5.00	150	300	N	70	>2,000	N	50	>2.00
EL[illegible]513	3.00	1.00	50	100	N	50	2,000	N	<50	>2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
ELM0515	30 28 41	110 33 21	50	10	500	N	N	15	N	N	200
ELM0517	30 29 59	110 34 6	100	150	1,000	N	N	50	2.0	N	N
ELM0519	30 32 2	110 33 0	15	N	150	N	N	70	N	N	700
ELM0521	30 33 6	110 34 8	500	150	10,000	N	N	70	1,000.0	N	2,000
ELM0523	30 39 19	110 39 23	500	200	10,000	N	N	50	7.0	1,500	N
ELM0525	30 39 30	110 39 56	100	10	1,000	N	N	70	20.0	N	300
ELM0527	30 39 0	110 40 27	200	300	20,000	N	N	30	30.0	2,000	N
ELM0529	30 36 1	110 37 38	50	10	500	N	N	10	N	N	N
ELM0531	30 33 14	110 38 30	50	15	700	N	N	70	N	N	N
ELM0533	30 34 39	110 37 54	50	15	200	N	N	50	N	500	N
ELM0535	30 22 22	110 37 39	30	10	150	N	N	50	N	N	N
ELM0537	30 22 34	110 37 27	70	15	1,500	1,000	N	50	3.0	N	N
ELM0539	30 22 12	110 39 27	100	N	2,000	1,000	N	50	N	N	N
ELM0541	30 22 18	110 36 53	100	100	3,000	2,000	N	30	7.0	N	N
ELM0543	30 21 27	110 36 59	50	10	1,000	N	N	30	N	N	N
ELM0545	30 20 26	110 37 44	50	N	700	700	N	50	15.0	N	N
ELM0547	30 22 49	110 37 33	700	1,000	30,000	>20,000	N	20	100.0	3,000	N
RLT0481	30 51 17	109 42 30	30	N	300	N	N	20	N	N	N
RLT0483	30 50 49	109 42 48	<10	10	70	N	N	N	N	N	N
RLT0485	30 46 18	109 47 27	10	N	50	N	N	20	N	N	N
RLT0487	30 45 39	109 49 36	50	N	15,000	N	N	30	N	N	N
RLT0490	30 47 19	109 50 12	150	N	200	N	N	10	N	N	N
RLT0493	30 45 54	109 48 51	100	N	1,000	N	N	20	N	N	N
RLT0495	30 50 51	109 43 0	10	10	100	N	N	10	N	N	N
RLT0497	30 50 11	109 44 24	10	N	100	N	N	N	N	N	N
RLT0499	30 49 26	109 45 29	15	N	100	N	N	N	N	N	N
RLT0501	30 49 11	109 46 18	10	N	70	N	N	N	N	N	N
RLT0504	31 3 12	109 33 29	15	N	500	N	N	N	N	N	N
RLT0506	31 3 52	109 32 11	15	50	500	N	N	20	N	N	N
RLT0508	31 4 0	109 31 18	100	50	300	N	N	30	N	N	N
RLT0511	31 4 7	109 29 32	50	N	500	N	N	30	N	N	N
RLT0513	31 1 15	109 27 57	100	N	100	N	N	150	N	N	N
RLT0517	31 2 44	109 27 53	30	N	70	N	N	30	N	N	N
RLT0519	31 2 23	109 27 55	20	N	100	N	N	20	N	N	N
RLT0521	31 4 27	109 26 33	30	N	100	N	N	15	N	N	N
RLT0523	31 3 39	109 28 30	100	N	200	N	N	50	N	N	N
RLT0525	31 5 3	109 29 7	20	N	100	N	N	20	N	N	N
RLT0527	31 5 38	109 29 18	20	N	150	N	N	20	N	N	N
RLT0529	31 6 32	109 29 27	50	N	100	N	N	20	N	N	N
RLT0531	31 7 35	109 29 27	100	150	>50,000	700	N	50	50.0	N	N
RLT0533	31 7 52	109 29 51	30	10	1,000	N	N	30	N	N	N
RLT0535	30 37 52	109 44 36	50	50	700	N	N	50	N	N	N
RLT0537	30 38 6	109 44 21	50	N	700	N	N	10	N	N	N
RLT0539	30 39 14	109 42 54	10	N	200	N	N	30	N	N	N
RLT0541	30 41 4	109 43 18	15	N	200	N	N	30	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
[illegible]	20	100	N	3.0	1,500	>10,000	1,000	50	N	20	200
[illegible]	N	150	100	15.0	3,000	>10,000	500	30	7	50	200
[illegible]	100	150	N	20.0	5,000	1,000	N	50	3	50	150
[illegible]	30	200	1,000	10.0	5,000	>10,000	1,000	300	2	70	300
[illegible]	<20	500	100	15.0	2,000	>10,000	1,000	200	2	70	500
[illegible]	N	150	N	15.0	1,500	>10,000	2,000	200	2	70	500
[illegible]	70	500	700	7.0	1,500	>10,000	1,500	500	2	10	100
[illegible]	20	200	100	5.0	1,000	1,000	1,000	70	2	N	100
[illegible]	N	200	N	15.0	5,000	5,000	1,000	500	3	30	150
[illegible]	N	150	N	10.0	5,000	2,000	500	100	2	20	100
[illegible]	N	150	N	10.0	1,500	5,000	1,500	150	2	70	700
[illegible]	N	150	N	10.0	1,000	10,000	1,000	50	5	50	300
[illegible]	N	150	N	10.0	2,000	3,000	700	70	N	70	700
[illegible]	N	300	N	10.0	2,000	>10,000	1,500	70	3	30	200
[illegible]	N	200	150	10.0	1,500	2,000	1,500	30	N	N	100
[illegible]	N	200	N	15.0	2,000	5,000	1,000	70	2	50	500
[illegible]	N	1,000	100	2.0	5,000	>10,000	7,000	20	5	N	700
RLT0481	<20	100	N	5.0	1,500	1,500	N	150	10	N	50
RLT0483	N	100	N	5.0	5,000	700	N	100	2	N	30
RLT0485	N	150	N	7.0	3,000	500	N	150	2	N	150
RLT0487	70	100	N	5.0	1,000	7,000	N	20	10	20	200
[illegible]	50	100	N	5.0	7,000	500	N	100	2	N	50
RLT0493	N	100	N	5.0	1,500	700	N	30	10	N	150
RLT0495	N	100	N	7.0	5,000	500	200	30	N	N	70
RLT0497	N	100	N	7.0	5,000	500	N	300	2	N	50
RLT0499	N	100	N	5.0	3,000	1,500	N	200	2	N	70
RLT0501	N	100	N	3.0	3,000	10,000	N	150	7	N	30
RLT0504	N	100	N	5.0	1,500	2,000	N	30	20	N	50
RLT0506	N	150	N	10.0	2,000	300	N	30	15	N	30
RLT0508	70	150	500	5.0	1,000	300	300	300	N	50	500
RLT0511	N	150	N	7.0	3,000	>10,000	500	50	15	N	50
RLT0513	N	100	<100	5.0	>10,000	10,000	1,500	30	3	30	200
RLT0517	N	150	N	7.0	1,500	5,000	N	30	10	20	200
RLT0519	N	100	N	5.0	2,000	>10,000	300	30	15	N	50
RLT0521	N	100	N	3.0	1,500	10,000	200	50	15	N	100
RLT0523	N	150	N	10.0	5,000	>10,000	1,000	100	5	N	50
RLT0525	N	150	N	10.0	2,000	10,000	200	70	7	N	50
RLT0527	N	100	N	5.0	2,000	10,000	N	50	10	N	50
RLT0529	N	150	N	3.0	1,000	>10,000	1,000	50	10	N	70
RLT0531	N	3,000	N	7.0	>10,000	>10,000	5,000	30	2	N	50
RLT0533	N	150	N	5.0	3,000	>10,000	3,000	50	N	50	300
RLT0535	N	150	N	5.0	2,000	5,000	N	30	20	N	200
RLT0537	100	150	N	2.0	2,000	1,000	N	20	5	N	20
[illegible]	N	100	N	5.0	700	300	N	20	50	N	20
RLT0541	N	100	N	10.0	2,000	300	500	70	30	N	30

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
ELM0515	3.00	2.00	150	100	N	20	>2,000	200	<50	1.00
ELM0517	5.00	1.50	700	200	N	30	>2,000	N	<50	2.00
ELM0519	.70	1.00	500	300	N	70	>2,000	500	50	>2.00
ELM0521	5.00	2.00	200	200	N	50	>2,000	100	50	2.00
ELM0523	7.00	2.00	200	150	N	70	>2,000	N	50	>2.00
ELM0525	3.00	2.00	500	200	N	30	>2,000	N	70	>2.00
ELM0527	10.00	1.50	300	200	N	50	>2,000	20	50	>2.00
ELM0529	10.00	1.00	500	300	200	70	>2,000	20	50	>2.00
ELM0531	5.00	1.50	300	200	N	50	2,000	N	70	>2.00
ELM0533	7.00	.70	200	150	N	50	>2,000	20	50	2.00
ELM0535	7.00	5.00	300	200	N	70	>2,000	20	70	>2.00
ELM0537	3.00	1.50	300	200	N	70	>2,000	30	100	>2.00
ELM0539	10.00	5.00	300	200	700	70	>2,000	20	70	>2.00
ELM0541	7.00	1.50	300	200	N	50	>2,000	N	50	>2.00
ELM0543	10.00	1.50	500	200	N	50	2,000	N	50	>2.00
ELM0545	7.00	2.00	300	300	N	70	>2,000	20	50	>2.00
ELM0547	5.00	2.00	100	70	N	50	2,000	50	N	.50
RLT0481	5.00	.30	700	700	500	100	>2,000	100	100	>2.00
RLT0483	15.00	.50	500	700	1,500	70	>2,000	70	50	>2.00
RLT0485	20.00	1.50	200	500	200	50	>2,000	30	70	2.00
RLT0487	3.00	1.50	500	1,000	1,000	200	>2,000	150	70	>2.00
RLT0490	20.00	5.00	100	500	N	50	>2,000	20	70	2.00
RLT0493	5.00	1.50	700	1,000	500	200	>2,000	150	70	>2.00
RLT0495	15.00	.70	200	300	N	50	>2,000	20	70	>2.00
RLT0497	15.00	1.50	200	300	N	50	>2,000	20	100	>2.00
RLT0499	15.00	2.00	300	500	N	50	>2,000	20	70	>2.00
RLT0501	10.00	1.00	500	700	1,500	70	>2,000	20	50	2.00
RLT0504	2.00	.20	300	1,000	200	70	>2,000	50	50	>2.00
RLT0506	2.00	.20	300	1,000	1,000	70	>2,000	70	70	>2.00
RLT0508	10.00	3.00	500	500	500	70	>2,000	70	70	>2.00
RLT0511	2.00	.30	500	700	200	70	>2,000	50	70	>2.00
RLT0513	10.00	1.50	200	500	N	70	>2,000	N	70	2.00
RLT0517	5.00	1.00	300	1,000	300	70	>2,000	20	70	2.00
RLT0519	5.00	.30	500	1,000	N	70	>2,000	70	70	>2.00
RLT0521	7.00	1.00	500	1,000	300	100	>2,000	70	70	>2.00
RLT0523	5.00	.50	700	500	N	70	>2,000	30	70	>2.00
RLT0525	5.00	.50	500	700	500	100	>2,000	50	150	>2.00
RLT0527	5.00	.30	500	700	500	100	>2,000	70	150	>2.00
RLT0529	5.00	1.00	700	700	1,500	100	>2,000	70	70	>2.00
RLT0531	3.00	.70	200	500	N	30	>2,000	30	100	1.50
RLT0533	5.00	2.00	300	500	N	50	>2,000	20	100	2.00
RLT0535	5.00	1.50	1,000	1,000	>2,000	200	>2,000	100	200	>2.00
RLT0537	7.00	.50	500	700	700	150	>2,000	N	<50	>2.00
RLT0539	.15	.15	500	2,000	2,000	200	>2,000	300	200	>2.00
RLT0541	3.00	.50	500	2,000	>2,000	200	>2,000	1,000	300	>2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
RLT0543	30 39 50	109 46 27	20	N	200	N	N	20	N	N	N
RLT0545	30 40 1	109 46 29	20	15	700	N	N	20	N	N	N
RLT0547	30 39 14	109 45 12	15	N	150	N	N	N	N	N	N
RLT0549	30 40 32	109 45 0	15	N	100	N	N	20	N	N	N
RLT0551	30 41 33	109 45 15	70	30	700	700	N	20	N	N	N
RLT0553	30 43 1	109 44 21	50	N	100	N	N	70	N	N	N
RLT0555	30 42 30	109 44 51	100	N	300	N	N	20	N	N	N
RLT0557	30 42 41	109 44 57	20	N	200	N	N	20	N	N	N
RLT0559	30 43 32	109 45 39	150	10	150	N	N	70	2.0	N	N
RLT0561	30 43 57	109 46 0	200	15	300	N	N	10	N	N	N
RLT0563	30 44 15	109 43 50	10	30	150	N	N	15	N	N	N
RLT0567	30 36 23	109 52 18	20	N	500	N	N	30	N	N	N
RLT0569	30 36 11	109 51 3	100	N	300	N	N	50	N	N	N
RLT0571	30 35 42	109 51 3	30	N	150	N	N	30	N	N	N
RLT0573	30 33 36	109 53 6	20	N	30	N	N	50	N	N	N
RLT0575	30 31 38	109 51 39	50	10	50	N	N	50	N	N	N
RLT0577	30 30 38	109 51 3	20	50	70	N	N	20	N	N	N
RLT0579	30 30 12	109 50 6	30	15	70	N	N	50	N	N	N
RLT0581	30 25 49	109 50 36	50	10	100	N	N	30	N	N	N
RLT0583	30 23 53	109 50 21	100	10	100	N	N	50	N	N	N
RLT0585	30 23 14	109 50 18	20	N	150	N	N	20	N	N	N
RLT0587	30 20 55	109 46 47	2,000	300	5,000	5,000	N	70	70.0	N	N
RLT0589	30 21 0	109 47 6	100	20	1,000	500	N	50	3.0	N	N
RLT0590	30 20 32	109 48 2	50	20	200	N	N	N	N	N	N
RLT0594	30 19 37	109 49 32	50	20	70	N	N	50	N	N	N
RLT0596	30 20 47	109 51 24	50	N	200	N	N	50	N	N	N
RLT0598	30 42 34	110 22 17	150	N	2,000	N	N	50	N	N	N
RLT0600	30 43 13	110 21 7	70	N	150	N	N	50	N	N	N
RLT0602	30 41 45	110 20 10	100	N	2,000	700	N	50	N	N	N
RLT0604	30 24 48	110 15 30	70	10	2,000	N	N	30	N	N	N
RLT0606	30 26 4	110 16 27	50	N	50	N	N	50	2.0	N	N
RLT0609	30 25 44	110 15 51	70	15	100	N	N	20	N	N	N
RLT0611	30 24 50	110 16 27	500	15	100	700	N	20	2.0	N	N
RLT0613	30 24 7	110 18 39	70	10	70	N	N	50	N	N	N
RLT0615	30 24 42	110 19 2	100	10	200	N	N	20	N	N	N
RLT0617	30 25 43	110 20 9	70	15	70	N	N	30	N	N	N
RLT0619	30 26 2	110 19 30	100	10	200	N	N	50	N	N	N
RLT0621	30 23 49	110 12 39	70	10	500	N	N	50	1.0	N	N
RLT0623	30 34 12	110 21 22	50	N	100	N	N	15	N	N	N
RLT0625	30 33 35	110 20 37	30	N	100	N	N	30	N	N	N
RLT0627	30 33 41	110 19 39	70	N	100	N	N	50	N	N	N
RLT0629	30 32 52	110 18 30	70	N	150	N	N	20	N	N	N
RLT0631	30 32 48	110 17 9	30	N	20	N	N	50	N	N	N
RLT0633	30 32 0	110 14 50	70	N	500	N	N	30	N	N	N
RLT0635	30 31 27	110 14 49	70	N	200	500	N	70	<1.0	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
RLT0543	N	100	N	3.0	2,000	500	N	30	10	N	20
RLT0545	N	150	N	5.0	2,000	300	N	20	7	N	20
RLT0547	N	100	N	2.0	1,000	200	N	70	15	N	20
RLT0549	N	150	N	3.0	1,000	200	N	50	5	N	300
RLT0551	N	150	N	3.0	1,000	1,000	N	30	10	N	30
RLT0553	N	100	N	5.0	5,000	>10,000	1,500	30	20	N	20
RLT0555	N	100	N	3.0	2,000	500	N	30	20	30	500
RLT0557	N	100	N	3.0	2,000	200	N	30	15	N	500
RLT0559	N	150	100	10.0	5,000	3,000	500	500	7	N	150
RLT0561	20	100	N	7.0	2,000	2,000	200	300	10	N	200
RLT0563	N	100	100	5.0	3,000	5,000	N	70	7	N	50
RLT0567	N	150	N	15.0	5,000	700	N	100	7	N	50
RLT0569	N	150	N	10.0	3,000	3,000	1,500	50	10	70	1,000
RLT0571	N	150	N	5.0	2,000	>10,000	1,000	20	3	70	700
RLT0573	N	150	N	7.0	1,500	1,000	300	20	N	150	1,000
RLT0575	N	150	N	5.0	1,000	200	200	30	N	100	700
RLT0577	N	200	N	3.0	1,500	3,000	300	100	N	10	70
RLT0579	N	200	N	5.0	1,500	>10,000	500	100	N	100	1,000
RLT0581	N	150	N	5.0	2,000	1,500	500	100	N	70	500
RLT0583	N	200	N	5.0	1,000	2,000	500	300	N	70	500
RLT0585	N	300	N	5.0	1,500	10,000	N	20	10	N	100
RLT0587	20	200	200	10.0	5,000	>10,000	500	150	2	30	70
RLT0589	200	200	<100	7.0	2,000	10,000	200	30	2	10	50
RLT0590	70	200	N	3.0	1,500	3,000	N	30	N	10	70
RLT0594	N	200	N	7.0	2,000	300	<200	30	3	50	500
RLT0596	N	200	N	7.0	1,500	>10,000	700	20	N	50	500
RLT0598	N	500	N	10.0	3,000	3,000	700	100	2	N	70
RLT0600	N	300	N	10.0	2,000	5,000	700	50	2	N	50
RLT0602	N	500	N	10.0	3,000	>10,000	500	70	2	100	700
RLT0604	N	200	N	10.0	2,000	>10,000	1,000	200	2	50	500
RLT0606	20	200	N	5.0	1,000	>10,000	1,000	50	N	100	700
RLT0609	N	300	N	10.0	500	>10,000	1,000	100	2	10	100
RLT0611	N	200	N	10.0	700	>10,000	1,500	150	2	30	100
RLT0613	N	300	N	10.0	1,000	>10,000	1,000	50	2	100	700
RLT0615	N	300	N	10.0	700	>10,000	1,500	300	2	N	100
RLT0617	N	200	N	15.0	500	>10,000	3,000	70	2	N	50
RLT0619	N	200	N	10.0	1,000	>10,000	3,000	70	2	30	100
RLT0621	N	200	N	15.0	5,000	10,000	700	500	2	N	70
RLT0623	N	200	N	10.0	1,000	>10,000	1,000	100	N	N	100
RLT0625	N	300	N	15.0	1,000	>10,000	2,000	50	N	70	500
RLT0627	N	300	N	15.0	1,500	>10,000	1,000	50	N	50	300
RLT0629	N	300	N	10.0	700	>10,000	3,000	30	N	50	300
RLT0631	N	200	N	7.0	2,000	2,000	500	50	N	150	1,000
RLT0633	N	300	N	15.0	1,500	>10,000	500	50	N	50	500
RLT0635	N	700	N	30.0	2,000	7,000	500	50	N	50	300

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLT0543	10.00	.50	700	1,000	1,500	150	>2,000	50	200	>2.00
RLT0545	7.00	.50	700	1,000	700	150	>2,000	50	150	>2.00
RLT0547	5.00	.20	500	1,000	500	150	>2,000	300	50	>2.00
RLT0549	7.00	1.50	500	1,000	300	100	>2,000	50	70	>2.00
RLT0551	5.00	.70	700	1,000	700	150	>2,000	70	150	>2.00
RLT0553	2.00	1.00	1,000	1,500	2,000	200	>2,000	100	150	>2.00
RLT0555	7.00	2.00	1,000	2,000	>2,000	200	>2,000	70	100	>2.00
RLT0557	5.00	3.00	700	1,500	2,000	200	>2,000	70	300	>2.00
RLT0559	5.00	2.00	700	1,000	300	150	>2,000	100	500	>2.00
RLT0561	5.00	2.00	700	1,000	700	100	>2,000	300	500	>2.00
RLT0563	5.00	1.50	1,000	2,000	1,000	200	>2,000	200	700	>2.00
RLT0567	5.00	.70	1,500	1,000	500	150	>2,000	20	70	>2.00
RLT0569	10.00	7.00	700	1,500	>2,000	150	>2,000	700	200	>2.00
RLT0571	7.00	3.00	500	700	700	70	>2,000	30	<50	2.00
RLT0573	10.00	5.00	150	200	N	70	>2,000	20	N	2.00
RLT0575	10.00	3.00	100	300	N	50	>2,000	30	<50	>2.00
RLT0577	10.00	.70	700	500	N	20	500	70	100	>2.00
RLT0579	10.00	5.00	500	500	N	50	>2,000	50	50	>2.00
RLT0581	10.00	3.00	300	200	N	30	2,000	50	<50	2.00
RLT0583	10.00	3.00	300	300	N	50	>2,000	50	50	>2.00
RLT0585	2.00	.50	300	700	500	70	>2,000	70	70	>2.00
RLT0587	5.00	1.00	500	300	N	50	>2,000	50	50	2.00
RLT0589	7.00	1.00	500	500	1,000	30	>2,000	70	50	>2.00
RLT0590	7.00	1.00	1,000	500	1,500	30	>2,000	70	50	>2.00
RLT0594	10.00	2.00	500	500	500	50	>2,000	50	70	>2.00
RLT0596	5.00	3.00	150	150	N	30	>2,000	20	50	2.00
RLT0598	7.00	1.00	150	150	N	30	>2,000	N	N	2.00
RLT0600	5.00	1.00	100	100	N	20	>2,000	N	N	>2.00
RLT0602	7.00	3.00	200	150	N	50	>2,000	N	<50	2.00
RLT0604	10.00	3.00	150	150	N	50	>2,000	N	50	2.00
RLT0606	7.00	3.00	150	70	N	30	>2,000	N	<50	1.50
RLT0609	3.00	1.00	100	70	N	20	>2,000	20	<50	2.00
RLT0611	5.00	1.50	150	100	N	30	>2,000	N	70	>2.00
RLT0613	5.00	2.00	150	100	N	50	>2,000	N	<50	2.00
RLT0615	3.00	1.50	200	100	N	50	>2,000	N	N	2.00
RLT0617	3.00	.50	70	150	N	30	>2,000	N	N	>2.00
RLT0619	5.00	1.50	100	100	N	20	>2,000	N	70	2.00
RLT0621	7.00	1.50	100	100	N	30	1,500	N	50	>2.00
RLT0623	3.00	1.00	150	100	N	20	>2,000	N	<50	2.00
RLT0625	5.00	5.00	70	100	N	50	>2,000	N	N	1.50
RLT0627	2.00	2.00	70	50	N	30	2,000	N	N	2.00
RLT0629	3.00	2.00	100	100	N	30	>2,000	N	N	1.50
RLT0631	10.00	7.00	200	500	N	70	>2,000	30	50	2.00
RLT0633	5.00	3.00	100	150	N	50	>2,000	N	N	2.00
RLT0635	2.00	1.50	150	50	N	50	1,000	N	N	2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
RLT0637	30 28 48	110 12 18	50	N	50	N	N	50	N	N	N
RLT0639	30 28 35	110 12 24	70	N	20	N	N	30	N	N	N
RLT0641	30 27 49	110 11 57	50	N	200	N	N	50	N	N	N
RLT0643	30 27 40	110 11 42	70	15	100	N	N	50	N	N	N
RLT0645	30 27 6	110 11 57	150	50	2,000	1,000	N	20	1.0	N	N
RLT0647	30 25 52	110 11 28	200	70	7,000	700	N	50	7.0	3,000	N
RLT0649	30 25 45	110 10 46	20	N	100	N	N	50	N	N	N
RLT0651	30 28 11	110 0 48	50	10	300	N	N	50	N	N	N
RLT0653	30 27 41	110 1 27	30	N	50	N	N	50	N	N	N
RLT0655	30 27 23	110 1 0	150	10	3,000	N	N	50	1.5	N	N
RLT0657	30 27 51	110 1 36	30	N	100	N	N	30	N	N	N
RLT0659	30 29 10	110 1 33	30	N	30	N	N	50	N	N	300
RLT0661	30 29 42	110 0 18	30	N	150	N	N	50	N	N	N
RLT0663	30 26 25	110 2 27	50	N	150	N	N	50	N	N	N
RLT0665	30 25 30	110 3 0	30	N	70	N	N	50	N	N	N
RLT0667	30 24 52	110 2 48	50	N	500	N	N	50	N	N	N
RLT0669	30 25 8	110 3 18	20	N	100	N	N	50	N	N	N
RLT0671	30 24 37	110 3 26	30	N	50	N	N	30	N	N	N
RLT0673	30 23 46	110 3 18	70	N	200	N	N	50	N	N	N
RLT0675	30 23 30	110 3 27	50	10	300	700	N	50	N	N	N
RLT0677	30 23 47	110 4 8	50	10	500	N	N	30	N	N	N
RLT0679	30 22 30	110 3 36	50	N	70	N	N	30	N	N	N
RLT0681	30 22 11	110 4 17	50	10	700	N	N	70	N	N	N
RLT0683	30 22 3	110 5 10	30	N	100	N	N	50	N	N	N
RLT0685	30 21 37	110 6 0	20	N	100	N	N	50	N	N	N
RLT0687	30 21 25	110 6 21	200	N	150	N	N	50	N	N	N
RLT0689	30 21 45	110 6 51	30	N	50	N	N	30	N	N	N
RLT0691	30 21 0	110 7 50	70	N	300	N	N	10	N	N	N
RLT0693	30 20 42	110 8 32	20	10	100	N	N	20	N	N	N
RLT0695	30 17 44	109 55 32	30	15	1,500	N	N	30	20.0	N	N
RLT0697	30 13 3	109 58 8	30	10	100	N	N	70	N	N	N
RLT0699	30 13 4	109 57 49	20	20	100	N	N	30	N	1,500	N
RLT0701	30 16 59	109 57 20	30	30	500	N	N	50	N	N	N
RLT0703	30 18 52	109 57 10	30	10	1,000	N	N	30	5.0	N	N
RLT0705	30 16 18	109 57 27	20	10	30	N	N	50	N	N	N
RLT0707	30 16 12	109 57 18	20	15	70	N	N	30	N	N	N
RLT0709	30 17 12	109 57 5	30	70	500	N	N	50	N	N	N
RLT0711	30 17 40	109 57 5	50	15	500	N	N	30	2.0	N	200
RLT0713	30 18 9	109 57 28	20	15	200	N	N	50	N	N	<200
RLT0715	30 18 54	109 57 21	50	20	1,500	1,000	N	50	3.0	1,000	<200
RLT0717	30 20 1	109 59 22	20	10	150	N	N	30	N	N	<200
RLT0719	30 20 49	109 59 24	20	10	150	N	N	30	N	N	<200
RLT0721	30 21 0	110 2 17	50	N	100	N	N	50	N	N	N
RLT0723	30 20 56	110 2 0	300	10	70	N	N	30	N	700	N
JGF0430	31 6 38	109 53 54	15	N	50	N	N	10	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
RLT0637	N	500	N	15.0	2,000	10,000	700	30	N	100	700
RLT0639	N	100	N	10.0	500	>10,000	5,000	20	N	70	500
RLT0641	N	300	N	10.0	1,000	>10,000	1,000	50	N	100	500
RLT0643	N	300	N	10.0	700	>10,000	700	500	N	100	700
RLT0645	N	500	N	10.0	2,000	>10,000	2,000	700	3	50	200
RLT0647	N	500	N	15.0	2,000	>10,000	2,000	700	3	50	300
RLT0649	N	300	N	10.0	2,000	7,000	1,000	100	N	150	1,000
RLT0651	N	300	N	10.0	2,000	1,000	700	70	2	100	700
RLT0653	N	300	N	7.0	2,000	7,000	1,000	50	N	100	1,000
RLT0655	N	300	N	10.0	2,000	10,000	700	70	N	100	700
RLT0657	N	200	N	7.0	2,000	1,000	200	100	5	50	500
RLT0659	N	300	N	10.0	1,500	1,500	500	70	N	150	700
RLT0661	N	300	N	7.0	2,000	500	500	20	2	100	700
RLT0663	N	300	N	10.0	1,500	>10,000	2,000	20	N	100	700
RLT0665	N	300	N	10.0	2,000	3,000	500	70	N	70	500
RLT0667	N	300	N	7.0	2,000	2,000	200	70	5	N	200
RLT0669	N	200	N	7.0	2,000	10,000	500	50	N	150	1,000
RLT0671	N	200	N	7.0	2,000	>10,000	2,000	150	2	N	200
RLT0673	N	300	N	15.0	2,000	10,000	500	20	2	N	200
RLT0675	N	200	N	10.0	2,000	5,000	500	300	3	N	200
RLT0677	N	200	N	10.0	2,000	>10,000	2,000	70	3	N	70
RLT0679	N	200	N	7.0	2,000	>10,000	1,000	20	3	70	700
RLT0681	<20	300	N	15.0	3,000	5,000	500	70	2	70	500
RLT0683	N	200	N	10.0	3,000	3,000	500	70	N	100	700
RLT0685	N	200	N	10.0	2,000	1,500	300	20	N	100	1,000
RLT0687	N	300	N	7.0	3,000	>10,000	700	20	N	N	200
RLT0689	N	200	N	5.0	1,000	1,500	500	50	N	70	700
RLT0691	N	150	N	3.0	1,000	>10,000	5,000	20	N	N	50
RLT0693	N	200	N	5.0	1,000	>10,000	700	30	2	50	500
RLT0695	N	200	<100	7.0	1,000	>10,000	500	30	7	N	100
RLT0697	N	300	N	10.0	2,000	2,000	200	20	N	150	1,500
RLT0699	N	300	N	10.0	5,000	1,500	N	30	5	N	100
RLT0701	N	300	N	10.0	2,000	1,500	300	200	N	100	1,000
RLT0703	N	200	N	10.0	2,000	10,000	300	200	3	N	150
RLT0705	N	200	N	7.0	1,500	500	200	20	N	100	1,000
RLT0707	N	300	N	10.0	3,000	3,000	N	200	2	N	100
RLT0709	N	200	N	15.0	2,000	>10,000	300	200	5	N	50
RLT0711	N	200	N	10.0	2,000	>10,000	700	50	5	N	50
RLT0713	N	300	N	15.0	3,000	2,000	N	150	2	10	70
RLT0715	N	200	N	10.0	5,000	7,000	1,000	100	3	10	50
RLT0717	N	300	N	15.0	3,000	2,000	<200	70	3	10	70
RLT0719	N	200	N	15.0	3,000	1,500	300	100	2	10	50
RLT0721	N	200	N	5.0	1,500	>10,000	1,000	20	N	100	1,000
[illegible]	N	150	N	10.0	3,000	>10,000	1,500	30	5	50	700
[illegible]	N	100	N	5.0	1,500	>10,000	3,000	50	5	N	50

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLT0637	7.00	5.00	150	150	N	70	>2,000	N	<50	2.00
RLT0639	5.00	2.00	70	50	N	30	2,000	N	N	.70
RLT0641	7.00	5.00	150	200	N	50	>2,000	N	N	2.00
RLT0643	7.00	5.00	--	100	N	50	2,000	50	<50	2.00
RLT0645	10.00	2.00	100	100	N	50	1,500	N	<50	>2.00
RLT0647	5.00	2.00	200	150	N	50	2,000	N	50	>2.00
RLT0649	15.00	7.00	200	200	N	70	1,000	N	50	2.00
RLT0651	10.00	5.00	200	300	N	70	>2,000	30	<50	2.00
RLT0653	15.00	5.00	200	200	N	70	>2,000	N	<50	2.00
RLT0655	10.00	5.00	150	200	N	70	>2,000	N	<50	2.00
RLT0657	7.00	2.00	500	700	500	70	>2,000	50	50	>2.00
RLT0659	10.00	5.00	150	150	N	70	>2,000	N	N	2.00
RLT0661	10.00	5.00	200	300	N	70	>2,000	20	<50	>2.00
RLT0663	10.00	5.00	100	100	N	50	2,000	N	N	1.00
RLT0665	10.00	7.00	150	150	N	70	>2,000	N	50	>2.00
RLT0667	3.00	1.50	200	200	N	70	>2,000	N	<50	>2.00
RLT0669	10.00	10.00	150	100	N	100	2,000	N	<50	1.00
RLT0671	5.00	1.50	200	200	N	30	>2,000	30	50	2.00
RLT0673	5.00	2.00	150	200	N	50	>2,000	20	50	>2.00
RLT0675	5.00	2.00	150	200	N	50	1,500	20	70	>2.00
RLT0677	5.00	1.00	150	100	N	20	>2,000	N	70	2.00
RLT0679	5.00	2.00	100	150	N	50	>2,000	50	50	>2.00
RLT0681	7.00	5.00	150	150	N	50	2,000	N	50	2.00
RLT0683	7.00	5.00	100	100	N	50	2,000	N	50	2.00
RLT0685	10.00	5.00	200	200	N	70	>2,000	N	50	2.00
RLT0687	7.00	3.00	500	200	N	70	>2,000	20	<50	1.00
RLT0689	10.00	5.00	300	200	N	70	2,000	20	70	2.00
RLT0691	2.00	.50	300	100	N	15	>2,000	N	70	1.50
RLT0693	5.00	2.00	200	150	N	30	>2,000	N	100	2.00
RLT0695	2.00	1.00	150	150	N	50	1,500	20	100	>2.00
RLT0697	20.00	10.00	300	500	N	150	2,000	50	70	2.00
RLT0699	3.00	1.50	500	500	N	100	>2,000	100	100	>2.00
RLT0701	7.00	5.00	150	300	N	70	1,500	30	70	2.00
RLT0703	3.00	1.50	500	500	N	50	>2,000	50	100	>2.00
RLT0705	10.00	7.00	500	500	N	70	>2,000	50	70	2.00
RLT0707	5.00	1.50	500	700	N	30	2,000	70	100	>2.00
RLT0709	2.00	.70	200	500	200	50	>2,000	100	70	>2.00
RLT0711	2.00	.50	200	200	N	50	>2,000	N	100	>2.00
RLT0713	3.00	1.00	200	500	N	20	2,000	50	100	2.00
RLT0715	2.00	1.00	100	100	N	20	1,000	N	50	2.00
RLT0717	1.50	1.00	70	100	N	20	2,000	N	50	2.00
RLT0719	1.50	1.00	150	100	N	20	2,000	N	50	2.00
RLT0721	5.00	3.00	100	100	N	50	>2,000	N	70	1.50
RLT0723	3.00	1.50	150	100	N	50	>2,000	N	200	>2.00
JGF0430	5.00	.20	300	500	N	30	>2,000	20	N	1.50
ELM0323	N	50	N	2.0	500	1,000	N			

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
JGF0432	31 5 50	109 53 24	30	15	500	500	N	20	15.0	N	N
JGF0434	31 5 40	109 53 0	20	10	200	N	N	15	N	N	N
JGF0437	31 7 33	109 52 38	20	N	100	N	N	15	N	N	N
JGF0439	31 7 39	109 59 24	50	10	200	N	N	50	N	N	N
JGF0444	31 15 23	109 50 0	70	10	100	N	N	50	N	N	N
JGF0446	31 15 44	109 49 18	70	10	150	N	N	20	N	N	N
JGF0448	31 14 29	109 49 11	50	N	150	N	N	15	N	N	N
JGF0450	31 7 45	109 49 5	20	N	70	N	N	20	N	N	N
JGF0452	31 8 26	109 46 39	3,000	30	100	N	N	200	20.0	N	300
JGF0453	31 8 26	109 46 39	70	N	50	N	N	20	N	N	N
JGF0454	31 8 34	109 46 33	50	10	70	N	N	30	N	N	N
JGF0456	31 16 30	109 42 45	70	N	200	N	N	15	N	N	N
JGF0458	31 12 0	109 34 29	50	10	300	N	N	15	N	N	N
JGF0460	31 9 5	109 48 37	50	N	200	N	N	20	N	N	N
JGF0463	31 9 48	109 40 45	70	N	700	N	N	15	N	N	N
JGF0465	31 5 46	109 40 27	15	N	50	N	N	N	N	N	N
JGF0467	31 8 33	109 39 24	50	10	1,000	N	N	30	N	N	N
JGF0470	31 7 45	109 36 3	200	15	1,000	N	N	30	N	N	N
JGF0472	30 38 5	109 37 15	30	15	300	N	N	30	N	N	N
JGF0474	30 37 55	109 38 15	100	20	200	N	N	70	N	N	N
JGF0476	30 37 41	109 38 21	50	15	100	N	N	20	N	N	N
JGF0478	30 36 53	109 37 58	50	30	100	N	N	20	N	N	N
JGF0480	30 36 8	109 41 58	200	N	500	N	N	30	2.0	N	N
JGF0483	30 34 41	109 41 9	100	10	300	N	N	70	N	N	N
JGF0485	30 34 30	109 38 57	70	10	150	N	N	15	N	N	N
JGF0487	30 34 49	109 38 3	100	15	300	500	N	200	N	N	N
JGF0489	30 29 6	109 40 56	50	20	20	N	N	15	N	N	N
JGF0492	30 29 47	109 41 3	10	20	<20	N	N	30	N	N	N
JGF0500	30 36 45	109 37 48	50	15	100	N	N	20	N	N	N
JGF0502	30 33 11	109 39 15	<10	30	70	N	N	20	N	N	N
JGF0504	30 23 50	109 42 16	1,500	150	1,000	700	N	70	1.0	N	N
JGF0506	30 25 55	109 42 46	500	100	200	N	N	30	N	N	N
JGF0508	30 27 34	109 41 48	70	20	200	N	N	20	1.5	N	N
JGF0510	30 29 28	109 41 12	N	30	30	N	N	N	1.0	N	N
JGF0513	30 24 3	109 41 36	200	20	100	N	N	30	N	N	N
JGF0515	30 23 47	109 41 33	200	30	50	N	N	30	N	N	N
JGF0517	30 21 4	109 41 11	20,000	30	300	1,000	N	50	20.0	N	N
JGF0519	30 18 18	109 41 7	3,000	15	2,000	1,000	N	20	200.0	N	N
JGF0521	30 18 32	109 41 16	20,000	15	1,500	700	N	50	10.0	N	N
JGF0523	30 15 47	109 41 24	1,000	50	1,500	1,500	N	20	5.0	N	200
JGF0525	30 15 57	109 41 30	10,000	20	500	500	N	50	7.0	N	N
JGF0528	30 14 43	109 42 48	5,000	50	300	1,000	N	70	50.0	N	1,000
JGF0530	30 10 24	109 47 0	300	30	200	N	N	100	N	N	N
JGF0532	30 10 4	109 46 34	7,000	15	700	N	N	50	3.0	N	N
JGF0534	30 21 25	109 41 57	1,000	100	2,000	5,000	N	50	7.0	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
JGF0432	N	500	N	7.0	1,500	>10,000	1,000	70	5	N	100
JGF0434	N	500	N	10.0	2,000	>10,000	1,500	20	3	N	50
JGF0437	N	150	N	5.0	2,000	>10,000	2,000	50	5	N	30
JGF0439	N	150	N	7.0	7,000	>10,000	500	30	N	N	30
JGF0444	N	300	N	15.0	1,500	10,000	200	20	2	N	50
JGF0446	N	300	N	7.0	1,000	10,000	1,000	70	5	N	100
JGF0448	N	200	N	10.0	1,000	7,000	500	70	7	N	70
JGF0450	N	150	N	7.0	2,000	>10,000	1,500	70	5	N	300
JGF0452	<20	150	150	50.0	200	2,000	N	5,000	N	50	20
JGF0452	N	150	N	7.0	1,500	>10,000	1,000	50	7	N	30
JGF0454	N	300	N	7.0	700	>10,000	700	150	5	N	70
JGF0456	N	200	N	10.0	1,000	2,000	N	100	5	N	100
JGF0458	<20	200	N	10.0	1,500	>10,000	500	150	3	10	70
JGF0460	N	100	N	7.0	2,000	>10,000	3,000	50	3	N	100
JGF0463	20	200	N	10.0	1,500	>10,000	700	50	3	N	100
JGF0465	N	70	N	3.0	500	>10,000	5,000	20	3	N	30
JGF0467	20	200	N	15.0	2,000	>10,000	700	100	5	N	150
JGF0470	20	200	N	15.0	3,000	>10,000	200	100	5	N	150
JGF0472	N	300	N	15.0	2,000	1,000	700	50	N	N	200
JGF0474	N	200	N	10.0	2,000	700	1,000	100	3	10	50
JGF0476	N	200	N	7.0	2,000	500	700	50	N	N	300
JGF0478	N	500	N	7.0	2,000	300	500	100	2	N	50
JGF0480	N	300	N	10.0	2,000	7,000	500	20	<2	70	1,500
JGF0483	N	500	N	20.0	5,000	1,000	500	100	3	10	70
JGF0485	N	300	N	5.0	2,000	200	500	50	3	N	30
JGF0487	N	500	N	20.0	5,000	700	700	70	5	20	70
JGF0489	N	300	100	7.0	1,500	150	<200	50	N	100	1,000
JGF0492	N	200	N	3.0	1,000	100	<200	20	N	70	1,000
JGF0500	N	200	N	5.0	2,000	300	700	50	2	N	150
JGF0502	N	300	N	2.0	1,000	500	N	100	N	N	50
JGF0504	N	200	100	15.0	3,000	300	300	50	2	50	200
JGF0506	100	200	100	5.0	2,000	700	200	30	N	N	20
JGF0508	N	200	N	3.0	2,000	1,500	200	100	N	N	50
JGF0510	N	300	N	1.5	1,500	100	N	30	N	N	20
JGF0513	N	200	N	10.0	2,000	3,000	300	70	N	70	1,000
JGF0515	N	200	N	7.0	1,500	3,000	200	70	N	70	700
JGF0517	<20	150	N	15.0	3,000	3,000	500	100	2	50	500
JGF0519	N	200	N	15.0	5,000	10,000	1,000	200	2	10	70
JGF0521	N	300	150	20.0	3,000	5,000	200	20	N	20	200
JGF0523	N	200	<100	15.0	1,000	>10,000	1,500	1,000	2	N	70
JGF0525	N	200	N	20.0	3,000	5,000	500	100	2	20	200
JGF0528	N	150	<100	15.0	500	5,000	300	5,000	2	N	30
JGF0530	N	200	N	20.0	3,000	1,500	300	200	2	70	300
JGF0532	N	200	<100	20.0	3,000	5,000	500	500	5	30	100
JGF0534	<20	200	N	15.0	5,000	>10,000	500	200	5	N	100
[illegible]	N	50	N	2.0	500	[illegible]	N	[illegible]	[illegible]	[illegible]	[illegible]

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0432	5.00	1.00	500	700	N	50	>2,000	30	50	>2.00
JGF0434	5.00	.50	500	500	N	30	>2,000	30	<50	2.00
JGF0437	7.00	.70	200	700	N	20	>2,000	50	<50	1.50
JGF0439	2.00	.70	150	150	N	15	>2,000	<20	50	1.00
JGF0444	3.00	.50	150	200	N	20	>2,000	20	50	>2.00
JGF0446	1.00	.70	300	200	N	30	>2,000	50	50	>2.00
JGF0448	.70	.50	700	500	N	50	>2,000	100	<50	>2.00
JGF0450	5.00	2.00	500	700	N	30	>2,000	70	50	2.00
JGF0452	1.00	1.50	100	70	N	15	500	20	N	1.00
JGF0452	3.00	.30	500	700	N	50	>2,000	50	50	2.00
JGF0454	.50	.70	300	300	N	30	>2,000	30	150	>2.00
JGF0456	2.00	.70	500	500	N	70	>2,000	20	50	>2.00
JGF0458	3.00	1.00	150	200	N	20	2,000	100	70	>2.00
JGF0460	3.00	.70	150	200	N	15	>2,000	20	N	1.00
JGF0463	1.00	1.00	200	300	N	30	>2,000	100	50	>2.00
JGF0465	2.00	.20	200	300	N	30	>2,000	<20	N	1.00
JGF0467	2.00	1.00	500	300	N	50	>2,000	20	50	2.00
JGF0470	3.00	1.50	300	300	N	50	>2,000	30	50	2.00
JGF0472	10.00	1.50	500	300	N	50	>2,000	30	50	>2.00
JGF0474	10.00	.70	500	300	N	30	2,000	70	50	>2.00
JGF0476	10.00	1.50	500	500	N	50	>2,000	50	50	>2.00
JGF0478	15.00	.70	1,000	700	1,000	50	>2,000	100	150	>2.00
JGF0480	7.00	5.00	300	500	N	70	>2,000	20	50	2.00
JGF0483	5.00	1.00	500	200	N	30	>2,000	N	N	2.00
JGF0485	7.00	.30	1,000	700	200	50	>2,000	50	50	>2.00
JGF0487	7.00	.50	300	300	N	30	>2,000	30	50	>2.00
JGF0489	15.00	7.00	700	500	700	70	>2,000	50	70	>2.00
JGF0492	15.00	7.00	700	500	200	50	2,000	70	100	>2.00
JGF0500	10.00	1.00	700	500	N	50	>2,000	70	50	>2.00
JGF0502	10.00	.15	1,000	700	1,000	30	>2,000	70	70	>2.00
JGF0504	10.00	3.00	500	200	1,000	30	2,000	30	<50	2.00
JGF0506	15.00	.50	1,000	500	>2,000	30	>2,000	70	70	>2.00
JGF0508	15.00	1.00	1,000	500	1,500	20	>2,000	100	100	>2.00
JGF0510	10.00	.10	1,500	500	1,000	15	1,000	100	70	>2.00
JGF0513	10.00	5.00	500	300	N	50	2,000	50	70	>2.00
JGF0515	15.00	5.00	700	700	300	50	500	70	150	>2.00
JGF0517	15.00	5.00	500	200	N	30	500	150	70	2.00
JGF0519	5.00	1.50	70	70	N	30	2,000	N	N	2.00
JGF0521	7.00	2.00	200	150	N	30	1,500	200	N	2.00
JGF0523	1.50	.70	70	100	N	20	2,000	30	70	>2.00
JGF0525	10.00	3.00	200	150	N	50	1,500	N	50	2.00
JGF0528	2.00	2.00	700	150	N	30	>2,000	50	N	2.00
JGF0530	7.00	2.00	300	200	N	50	>2,000	50	<50	2.00
JGF0532	5.00	2.00	200	150	N	30	>2,000	20	<50	2.00
JGF0534	3.00	1.50	150	200	N	30	>2,000	N	<50	>2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
JGF0536	30 19 1	109 40 0	30,000	15	3,000	5,000	N	100	500.0	N	200
JGF0538	30 18 23	109 39 3	5,000	10	3,000	5,000	N	30	200.0	N	300
JGF0540	30 17 24	109 37 4	3,000	20	1,000	N	N	20	5.0	N	N
JGF0544	30 16 59	109 35 15	1,000	10	700	700	N	30	5.0	N	<200
JGF0546	30 7 20	109 46 36	300	N	200	500	N	100	N	N	N
JGF0548	30 0 20	109 46 39	100	15	500	N	N	30	N	N	<200
JGF0550	30 7 6	109 46 32	70	15	1,500	N	N	30	N	N	N
JGF0552	30 22 33	109 39 57	100	10	200	N	N	30	N	N	N
JGF0554	30 24 39	110 10 24	70	10	1,000	N	N	100	N	N	N
JGF0557	30 24 40	110 10 6	70	10	2,000	N	N	100	3.0	N	N
JGF0559	30 27 0	110 9 33	150	15	200	N	N	100	N	500	N
JGF0562	30 28 28	110 9 27	15	10	200	N	N	50	N	N	N
JGF0564	30 29 19	110 9 21	15	10	70	N	N	70	N	N	N
JGF0566	30 29 11	110 9 36	30	N	200	N	N	50	N	N	N
JGF0568	30 31 9	110 10 22	30	10	100	N	N	50	N	N	N
JGF0570	30 30 55	110 8 52	70	10	50	N	N	70	N	N	N
JGF0572	30 27 6	110 11 42	50	15	20	N	N	50	N	N	N
JGF0574	30 23 58	110 9 48	70	10	100	N	N	50	N	N	N
JGF0576	30 24 0	110 9 36	50	10	50	N	N	70	N	N	N
JGF0578	30 24 36	110 9 48	3,000	700	10,000	7,000	100	70	70.0	N	N
JGF0581	30 19 53	110 11 42	200	50	700	500	N	50	2.0	N	N
JGF0583	30 19 58	110 12 6	70	15	200	N	N	50	N	N	N
JGF0585	30 18 9	110 13 3	70	15	200	N	N	20	N	N	N
JGF0587	30 19 10	110 16 6	100	15	1,500	N	N	70	N	N	N
JGF0589	30 21 59	110 21 9	20	200	300	N	70	30	2.0	N	N
JGF0591	30 19 35	110 21 12	100	30	5,000	N	N	200	N	N	N
JGF0593	30 16 21	110 13 21	100	15	200	N	N	50	N	N	N
JGF0595	30 14 10	110 13 51	70	10	700	N	N	70	N	N	N
JGF0597	30 11 29	110 14 27	100	15	1,000	1,000	N	100	N	N	N
JGF0599	30 13 11	110 15 54	70	15	100	N	N	70	N	N	N
JGF0601	30 11 29	110 13 57	100	15	100	N	N	70	N	N	N
JGF0603	30 17 21	110 10 36	50	10	50	N	N	50	N	N	N
JGF0605	30 18 53	110 10 30	50	15	1,500	1,000	N	30	N	N	N
JGF0607	30 13 59	110 10 30	70	10	2,000	N	N	50	50.0	N	N
JGF0610	30 14 6	110 12 48	30	10	500	N	N	50	15.0	N	N
JGF0612	30 19 53	110 8 47	50	15	200	N	N	70	10.0	N	N
JGF0614	30 19 14	110 10 27	70	10	200	N	N	70	N	N	N
JGF0616	30 18 57	110 10 50	50	10	200	N	N	50	N	N	N
JGF0618	30 17 35	110 11 3	70	15	700	N	N	50	N	N	N
JGF0620	30 17 19	110 11 12	20	10	70	N	N	50	N	N	N
JGF0622	30 14 15	110 12 18	30	N	100	N	N	50	100.0	N	N
JGF0624	30 14 27	110 12 34	20	N	150	N	N	30	5.0	N	N
JGF0626	30 12 18	110 14 3	20	N	100	N	N	50	N	N	N
JGF0628	30 12 15	110 13 42	100	20	10,000	5,000	N	30	15.0	N	N
JGF0630	31 16 8	109 45 6	100	N	300	N	N	20	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
JGF0536	<20	200	100	30.0	3,000	>10,000	500	20	2	N	100
JGF0538	<20	200	N	15.0	5,000	>10,000	1,500	500	2	15	70
JGF0540	50	200	<100	15.0	1,000	2,000	500	5,000	3	10	70
JGF0544	700	200	<100	20.0	1,500	1,000	200	>5,000	5	N	70
JGF0546	N	500	N	50.0	2,000	7,000	300	300	3	50	100
JGF0548	N	200	N	15.0	2,000	2,000	1,000	500	5	N	70
JGF0550	N	200	<100	10.0	1,000	2,000	1,000	500	5	15	200
JGF0552	N	700	N	20.0	3,000	7,000	500	50	5	N	100
JGF0554	N	200	N	15.0	3,000	>10,000	500	20	N	150	700
JGF0557	N	300	N	15.0	2,000	>10,000	3,000	50	N	50	300
JGF0559	N	300	N	30.0	3,000	>10,000	700	30	5	20	50
JGF0562	N	200	N	7.0	1,000	5,000	500	30	N	100	1,500
JGF0564	N	200	N	7.0	2,000	3,000	500	30	N	150	2,000
JGF0566	N	200	N	15.0	1,500	3,000	500	50	N	100	1,000
JGF0568	N	200	N	10.0	1,000	3,000	700	100	N	100	1,500
JGF0570	N	500	N	20.0	2,000	>10,000	500	100	N	100	1,000
JGF0572	N	300	N	15.0	1,500	>10,000	700	70	N	150	1,500
JGF0574	N	200	N	10.0	1,500	>10,000	1,000	100	N	150	1,000
JGF0576	N	300	N	20.0	2,000	7,000	500	70	N	150	1,000
JGF0578	500	200	100	10.0	2,000	5,000	700	150	N	70	500
JGF0581	20	200	N	15.0	3,000	>10,000	1,500	500	2	100	500
JGF0583	N	200	N	15.0	3,000	2,000	1,000	500	N	100	500
JGF0585	N	150	N	7.0	5,000	>10,000	1,000	200	2	20	100
JGF0587	<20	200	N	20.0	7,000	>10,000	700	500	3	50	200
JGF0589	N	5,000	N	10.0	2,000	>10,000	7,000	50	<2	30	200
JGF0591	N	2,000	N	30.0	>10,000	>10,000	3,000	50	3	50	200
JGF0593	N	200	N	10.0	2,000	2,000	700	1,000	3	50	500
JGF0595	N	500	N	15.0	5,000	>10,000	1,000	200	N	100	700
JGF0597	N	700	N	50.0	>10,000	5,000	200	50	5	50	200
JGF0599	N	700	N	30.0	5,000	>10,000	500	300	3	50	1,500
JGF0601	N	700	N	30.0	2,000	5,000	500	100	2	100	1,000
JGF0603	N	700	N	20.0	3,000	1,000	300	50	<2	100	2,000
JGF0605	N	300	N	10.0	1,000	>10,000	700	70	2	30	300
JGF0607	N	500	N	15.0	2,000	>10,000	1,000	50	2	150	1,500
JGF0610	N	300	N	15.0	2,000	>10,000	1,000	100	2	150	1,000
JGF0612	N	300	N	15.0	5,000	>10,000	700	50	2	150	1,500
JGF0614	N	300	N	10.0	1,500	10,000	1,000	150	2	100	1,000
JGF0616	N	200	N	10.0	1,500	10,000	700	150	2	150	1,000
JGF0618	N	200	N	10.0	2,000	>10,000	700	300	2	100	1,000
JGF0620	N	200	N	10.0	1,500	10,000	500	150	<2	100	1,000
JGF0622	N	200	N	10.0	2,000	10,000	700	20	N	200	1,500
JGF0624	N	300	N	7.0	1,500	10,000	700	100	N	70	700
JGF0626	N	200	N	7.0	1,500	7,000	700	150	N	100	1,000
JGF0628	N	150	<100	15.0	>10,000	5,000	500	150	7	15	70
JGF0630	N	300	<100	15.0	1,500	1,000	<200	100	7	N	70

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0536	5.00	1.00	200	150	N	30	>2,000	300	N	2.00
JGF0538	3.00	1.00	100	100	N	20	2,000	1,000	50	>2.00
JGF0540	1.00	2.00	150	150	N	30	500	50	70	>2.00
JGF0544	1.00	1.50	200	150	N	50	>2,000	70	70	>2.00
JGF0546	1.50	1.00	150	150	N	50	>2,000	N	N	>2.00
JGF0548	5.00	1.00	300	200	N	50	>2,000	20	70	>2.00
JGF0550	7.00	2.00	300	200	N	50	700	N	100	>2.00
JGF0552	5.00	2.00	500	300	N	50	>2,000	N	<50	2.00
JGF0554	10.00	7.00	150	100	N	50	>2,000	N	<50	2.00
JGF0557	10.00	2.00	150	100	N	20	>2,000	N	N	1.50
JGF0559	2.00	1.00	150	50	N	20	300	N	N	1.00
JGF0562	10.00	7.00	150	150	N	70	>2,000	N	N	2.00
JGF0564	15.00	10.00	N	50	N	70	>2,000	N	N	1.00
JGF0566	10.00	7.00	200	150	N	50	>2,000	N	N	2.00
JGF0568	15.00	10.00	100	150	N	50	>2,000	N	N	2.00
JGF0570	10.00	7.00	50	70	N	70	>2,000	N	N	2.00
JGF0572	15.00	10.00	70	100	N	100	>2,000	N	N	2.00
JGF0574	15.00	7.00	100	100	N	70	>2,000	N	N	2.00
JGF0576	15.00	7.00	70	100	N	100	>2,000	N	N	2.00
JGF0578	15.00	5.00	300	200	500	30	>2,000	50	70	2.00
JGF0581	15.00	5.00	150	100	N	50	>2,000	50	50	2.00
JGF0583	15.00	5.00	200	200	N	70	>2,000	20	100	2.00
JGF0585	7.00	2.00	200	150	N	20	2,000	100	N	1.50
JGF0587	5.00	2.00	100	70	N	20	>2,000	N	N	1.00
JGF0589	5.00	1.50	1,000	200	N	20	>2,000	20	70	1.50
JGF0591	5.00	2.00	500	150	N	30	>2,000	N	100	>2.00
JGF0593	10.00	3.00	300	300	N	50	>2,000	50	100	>2.00
JGF0595	10.00	5.00	150	150	N	50	>2,000	<20	50	2.00
JGF0597	2.00	1.00	200	100	N	30	>2,000	N	70	>2.00
JGF0599	5.00	2.00	200	150	N	70	>2,000	300	100	>2.00
JGF0601	7.00	3.00	150	150	N	50	>2,000	N	50	>2.00
JGF0603	15.00	7.00	50	70	N	100	2,000	N	<50	>2.00
JGF0605	5.00	1.50	150	150	N	30	>2,000	N	150	>2.00
JGF0607	15.00	7.00	150	100	N	70	2,000	N	50	>2.00
JGF0610	15.00	7.00	500	500	200	100	>2,000	20	70	>2.00
JGF0612	15.00	10.00	200	150	N	70	>2,000	N	70	>2.00
JGF0614	15.00	7.00	300	300	<200	70	>2,000	N	70	>2.00
JGF0616	15.00	10.00	300	500	700	100	>2,000	20	70	>2.00
JGF0618	15.00	5.00	200	200	N	70	>2,000	N	70	>2.00
JGF0620	10.00	5.00	200	200	N	70	>2,000	20	100	>2.00
JGF0622	20.00	10.00	100	70	N	100	1,000	500	N	1.50
JGF0624	10.00	5.00	200	200	N	70	>2,000	20	<50	2.00
JGF0626	15.00	7.00	200	200	500	70	>2,000	N	50	2.00
JGF0628	2.00	1.00	150	100	N	15	1,500	50	<50	2.00
JGF0630	3.00	.70	300	200	N	70	>2,000	N	100	>2.00

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	As-ppm s	Sb-ppm s
JGF0632	31 16 41	109 40 41	100	N	300	N	N	20	N	N	N
JGF0634	31 15 41	109 43 35	100	N	500	N	N	20	N	N	N
JGF0636	31 15 33	109 45 9	100	N	700	N	N	20	N	N	N
JGF0638	31 18 41	109 48 36	70	N	70	N	N	15	N	N	N
JGF0640	31 18 42	109 48 6	70	15	700	N	N	15	N	N	N
JGF0642	31 18 59	109 48 36	500	20	700	N	N	20	N	N	N
JGF0644	31 13 0	109 54 41	20	10	100	N	N	20	N	N	N
JGF0646	31 14 57	109 55 27	70	N	100	N	N	15	N	N	N
JGF0648	31 18 56	109 57 0	50	N	100	N	N	15	N	N	N

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s	Cr-ppm s
JGF0632	N	300	<100	15.0	1,500	1,500	<200	100	7	N	100
JGF0634	N	300	<100	20.0	1,000	5,000	<200	100	5	N	100
JGF0636	N	300	<100	20.0	1,500	1,500	700	100	5	N	70
JGF0638	N	200	N	10.0	1,000	3,000	200	100	5	N	150
JGF0640	N	300	N	15.0	1,500	10,000	500	100	3	15	70
JGF0642	N	200	N	10.0	1,000	2,000	700	100	5	N	300
JGF0644	N	200	N	10.0	1,000	>10,000	700	100	N	N	100
JGF0646	N	300	<100	10.0	500	700	500	150	7	N	70
JGF0648	N	300	N	7.0	700	300	N	100	10	N	100

Analytical data for nonmagnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Th-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0632	5.00	1.00	500	500	N	70	>2,000	30	50	>2.00
JGF0634	1.50	.70	200	200	N	70	>2,000	30	100	>2.00
JGF0636	1.00	1.00	300	200	N	30	>2,000	20	100	>2.00
JGF0638	3.00	1.50	300	500	N	70	>2,000	50	<50	>2.00
JGF0640	3.00	1.00	500	150	N	20	2,000	N	50	>2.00
JGF0642	5.00	2.00	300	300	N	50	>2,000	20	50	>2.00
JGF0644	5.00	1.50	150	150	N	30	>2,000	20	70	>2.00
JGF0646	1.50	.70	200	200	N	50	>2,000	20	70	>2.00
JGF0648	2.00	1.00	300	300	N	50	>2,000	30	70	>2.00

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico

(Abbreviations and detection limits on last page.)

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
MEH0321	31 3 2	110 36 41	20	10	20	N	N	70	N	N	N
MEH0307	30 56 50	110 33 23	100	10	70	N	N	70	N	N	N
MEH0290	31 4 56	110 28 49	150	N	100	N	N	50	N	N	N
MEH0354	31 13 30	110 27 25	200	<10	50	N	N	150	N	N	N
RLT0161	30 52 23	110 5 39	200	<10	200	N	N	100	N	N	N
MEH0281	31 5 7	110 27 34	300	N	500	N	N	100	N	N	N
GHA0293	30 39 6	110 15 27	150	N	70	N	N	70	N	N	N
GHA0296	30 44 48	110 18 41	300	N	500	N	N	100	N	N	N
MEH0344	30 55 50	110 24 29	200	N	300	N	N	70	N	N	N
MEH0275	31 3 27	110 28 53	300	20	200	N	N	70	N	N	N
MEH0303	31 1 12	110 29 38	50	N	50	N	N	20	N	N	N
GHA0123	31 14 53	111 2 50	100	20	150	1,000	N	100	N	N	N
JGF0126	31 18 49	110 39 51	1,500	70	70	N	N	150	1.5	N	N
JGF0207	31 14 4	110 33 3	200	N	150	700	N	100	N	N	N
MEH0447G	30 54 53	109 46 54	70	N	70	<500	N	100	1.0	N	N
MEH0449G	30 58 46	109 42 27	20	N	50	<500	N	50	N	N	N
MEH0451G	30 59 4	109 43 21	30	N	70	<500	N	30	N	N	N
MEH0453G	30 57 22	109 45 0	30	N	70	<500	N	30	N	N	N
RLT0481G	30 51 17	109 42 30	30	<10	100	<500	N	30	<1.0	N	N
RLT0483G	30 50 49	109 42 48	20	N	70	<500	N	20	N	N	N
RLT0485G	30 46 18	109 47 27	50	N	100	<500	N	50	N	N	N
RLT0487G	30 45 39	109 49 36	100	N	700	500	N	20	<1.0	N	N
RLT0490G	30 47 19	109 50 12	150	20	500	700	N	15	2.0	N	N
RLT0493G	30 45 54	109 48 51	15	N	150	<500	N	10	N	N	N
RLT0495G	30 50 51	109 43 0	50	<10	300	<500	N	15	N	N	N
RLT0497G	30 50 11	109 44 24	30	10	200	<500	N	15	N	N	N
RLT0499G	30 49 26	109 45 29	30	<10	200	<500	N	30	N	N	N
RLT0501G	30 49 11	109 46 18	20	N	300	<500	N	30	N	N	N
RLT0504G	31 3 12	109 33 29	30	N	150	500	N	30	N	N	N
RLT0506G	31 3 52	109 32 11	10	N	200	500	N	30	N	N	N
RLT0508G	31 4 0	109 31 18	150	10	200	500	N	100	N	N	N
RLT0511G	31 4 7	109 29 32	50	<10	500	500	N	200	<1.0	N	N
RLT0513G	31 1 15	109 27 57	70	N	70	N	N	150	<1.0	N	N
RLT0517G	31 2 44	109 27 53	15	N	150	500	N	70	N	N	N
RLT0519G	31 2 23	109 27 55	30	N	150	500	N	100	N	N	N
RLT0521G	31 4 27	109 26 33	30	N	100	500	N	70	N	N	N
RLT0523G	31 3 39	109 28 30	70	N	70	<500	N	70	1.0	N	N
RLT0525G	31 5 3	109 29 7	70	<10	100	700	N	70	1.0	N	N
RLT0527G	31 5 38	109 29 18	70	<10	150	500	N	70	1.0	N	N
RLT0529G	31 6 32	109 29 27	70	<10	150	500	N	70	1.5	N	N
RLT0531G	31 7 35	109 29 27	100	<10	1,000	700	<50	70	5.0	N	N
RLT0533G	31 7 52	109 29 51	150	30	500	700	N	100	2.0	N	N
RLT0535G	30 37 52	109 44 36	50	<10	150	500	N	70	<1.0	N	N
RLT0537G	30 38 6	109 44 21	150	<10	700	500	N	70	1.0	N	N
RLT0539G	30 39 14	109 42 54	70	<10	150	500	N	50	<1.0	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
MEH0321	N	N	300	N	10.0	3,000	150	N	70	3	50
MEH0307	N	N	300	N	20.0	5,000	500	N	200	3	50
MEH0290	N	N	700	N	20.0	5,000	500	N	500	2	30
MEH0354	N	N	700	N	30.0	7,000	1,500	500	20	7	150
RLT0161	N	N	700	N	30.0	>10,000	1,500	200	500	5	100
MEH0281	N	N	1,000	N	50.0	10,000	700	200	50	5	50
GHA0298	N	N	700	N	30.0	3,000	1,000	200	50	2	70
GHA0296	N	N	1,000	N	>50.0	10,000	1,000	200	30	5	100
MEH0344	N	N	500	N	15.0	10,000	500	300	50	N	30
MEH0275	N	N	500	N	20.0	10,000	1,000	300	500	3	100
MEH0303	N	N	300	N	10.0	1,500	700	200	700	2	20
GHA0123	N	N	1,500	N	>50.0	10,000	1,000	N	20	2	100
JGF0126	N	N	500	100	20.0	3,000	200	N	N	2	100
JGF0207	N	N	1,500	N	>50.0	7,000	500	N	20	3	70
MEH0447G	N	N	500	N	50.0	7,000	2,000	200	50	2	20
MEH0449G	N	N	300	N	30.0	2,000	300	N	30	3	50
MEH0451G	N	N	300	N	20.0	1,500	300	N	30	5	20
MEH0453G	N	N	500	N	15.0	3,000	500	N	70	5	20
RLT0481G	N	N	500	N	50.0	10,000	500	N	50	7	20
RLT0483G	N	N	300	N	20.0	10,000	700	N	20	7	<10
RLT0485G	N	N	300	N	15.0	7,000	1,500	200	20	10	50
RLT0487G	N	N	300	N	20.0	7,000	700	N	20	10	<10
RLT0490G	N	50	150	N	15.0	10,000	700	200	200	10	10
RLT0493G	N	N	500	N	15.0	7,000	300	200	50	7	10
RLT0495G	N	N	300	N	20.0	10,000	1,500	<200	70	7	10
RLT0497G	N	N	300	N	15.0	10,000	2,000	N	100	10	10
RLT0499G	N	N	500	N	50.0	10,000	1,500	N	100	7	10
RLT0501G	N	N	500	N	50.0	10,000	700	N	20	7	10
RLT0504G	N	N	500	N	50.0	3,000	300	N	20	5	<10
RLT0506G	N	N	700	N	50.0	3,000	500	N	20	5	<10
RLT0508G	N	N	500	N	50.0	5,000	1,500	<200	70	2	20
RLT0511G	N	N	500	N	50.0	10,000	5,000	<200	50	5	15
RLT0513G	N	N	500	100	30.0	10,000	10,000	<200	50	20	50
RLT0517G	N	N	500	N	50.0	7,000	700	N	<20	5	<10
RLT0519G	N	N	500	N	50.0	7,000	2,000	N	<20	3	20
RLT0521G	N	N	500	N	50.0	7,000	700	N	<20	2	20
RLT0523G	N	N	500	N	15.0	5,000	2,000	300	100	20	70
RLT0525G	N	N	500	N	15.0	5,000	1,500	300	30	7	70
RLT0527G	<200	N	700	N	15.0	5,000	2,000	300	30	5	50
RLT0529G	N	N	500	N	10.0	10,000	5,000	200	30	7	70
RLT0531G	N	N	500	N	15.0	>20	5,000	300	50	10	50
RLT0533G	N	N	300	<100	15.0	>20	5,000	700	70	7	100
RLT0535G	N	N	300	<100	15.0	3,000	700	<200	30	10	50
RLT0537G	N	50	300	<100	10.0	10,000	1,500	200	70	20	50
RLT0539G	N	N	300	N	>50.0	5,000	300	200	30	15	50

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0321	70	5.00	3.00	500	200	70	700	N	50	2.000
MEH0307	100	7.00	5.00	700	200	70	700	N	50	2.000
MEH0290	100	2.00	2.00	500	70	30	700	N	N	1.500
MEH0354	200	.70	1.50	150	30	20	200	N	N	1.500
RLT0161	200	.50	1.00	70	50	20	150	N	N	1.000
MEH0281	150	1.50	.50	150	100	30	150	N	N	>2.000
GHA0298	150	1.50	1.50	150	30	30	100	N	N	2.000
GHA0296	500	.70	1.00	150	100	30	200	N	N	2.000
MEH0344	200	3.00	1.00	100	100	50	1,000	N	70	>2.000
MEH0275	150	2.00	1.00	200	70	30	100	N	N	1.000
MEH0303	100	1.50	1.50	70	50	30	300	N	N	.700
GHA0123	200	.15	.50	200	100	50	300	20	50	2.000
JGF0126	100	1.50	3.00	100	70	50	300	20	<50	2.000
JGF0207	200	1.00	2.00	100	100	70	300	N	50	>2.000
MEH0447G	300	.70	2.00	700	150	10	1,000	<20	<50	>2.000
MEH0449G	500	<.10	.10	<50	100	10	700	<20	<50	>2.000
MEH0451G	500	<.10	.05	200	500	10	700	<20	70	>2.000
MEH0453G	300	.10	.07	300	300	10	700	<20	<50	>2.000
RLT0481G	300	.50	.07	500	500	10	700	<20	<50	>2.000
RLT0483G	200	3.00	.07	500	500	15	1,000	<20	<50	>2.000
RLT0485G	300	7.00	2.00	1,000	300	15	1,000	N	<50	>2.000
RLT0487G	300	.50	.70	500	1,000	30	1,000	<20	70	>2.000
RLT0490G	150	15.00	1.00	<50	300	15	700	<20	N	1.000
RLT0493G	200	1.50	1.50	300	1,000	50	1,000	<20	50	>2.000
RLT0495G	200	3.00	.50	<50	200	15	700	<20	50	>2.000
RLT0497G	200	7.00	.50	500	200	15	2,000	<20	50	>2.000
RLT0499G	500	7.00	.70	300	500	15	1,500	<20	50	>2.000
RLT0501G	500	1.50	.70	500	500	10	1,500	<20	<50	>2.000
RLT0504G	500	.10	.50	500	300	<10	700	<20	<50	>2.000
RLT0506G	500	.10	.20	300	200	<10	700	<20	<50	2.000
RLT0508G	300	.70	1.50	300	150	20	700	<20	N	>2.000
RLT0511G	500	.50	.50	500	150	10	700	<20	<50	>2.000
RLT0513G	500	1.00	1.50	<50	50	30	700	N	N	.700
RLT0517G	500	.50	1.00	<50	300	10	1,500	<20	50	>2.000
RLT0519G	500	.50	1.50	500	300	10	1,500	<20	50	>2.000
RLT0521G	500	.50	1.00	500	200	15	700	<20	50	>2.000
RLT0523G	300	.30	.30	300	100	10	700	30	<50	1.000
RLT0525G	700	.30	.10	1,000	150	10	700	30	<50	2.000
RLT0527G	500	.15	.15	1,500	150	<10	1,000	50	50	>2.000
RLT0529G	500	.30	.20	1,000	150	10	1,000	20	50	2.000
RLT0531G	200	.50	.15	150	70	10	700	20	<50	1.500
RLT0533G	500	1.50	1.50	500	200	15	700	30	<50	1.500
RLT0535G	700	.10	.20	150	150	10	1,000	30	70	2.000
RLT0537G	150	.30	1.00	500	100	70	2,000	<20	70	>.005
RLT0539G	500	<.10	.15	300	200	15	1,500	20	150	>.005

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
RLT0541G	30 41 4	109 43 18	20	<10	150	700	N	70	<1.0	N	N
RLT0547G	30 39 14	109 45 12	200	20	300	500	N	100	<1.0	N	N
RLT0549G	30 40 32	109 45 0	100	<10	200	<500	N	70	<0	N	N
RLT0551G	30 41 33	109 45 15	70	<10	1,000	500	N	70	<1.0	N	N
RLT0553G	30 43 1	109 44 21	50	N	150	700	N	50	1.0	N	N
RLT0555G	30 42 30	109 44 51	100	<10	300	500	N	70	1.0	N	N
RLT0557G	30 42 41	109 44 57	150	10	700	500	N	70	1.0	N	N
RLT0559G	30 43 32	109 45 39	150	<10	200	<500	N	100	1.5	N	N
RLT0561G	30 43 57	109 46 0	150	<10	700	700	N	50	1.0	N	N
RLT0563G	30 44 15	109 43 50	70	<10	200	1,000	N	70	1.5	N	N
RLT0567G	30 36 23	109 52 18	70	<10	500	700	N	70	1.0	N	N
RLT0569G	30 36 11	109 51 3	70	<10	50	500	N	70	<1.0	N	N
RLT0571G	30 35 42	109 51 3	70	N	200	700	N	100	<1.0	N	N
RLT0575G	30 31 38	109 51 39	100	<10	150	500	N	70	<1.0	N	N
RLT0579G	30 30 12	109 50 6	100	N	70	<500	N	70	N	N	N
RLT0581G	30 25 49	109 50 36	150	10	100	<500	N	70	N	N	N
RLT0583G	30 23 53	109 50 21	200	10	200	<500	N	50	N	N	N
RLT0585G	30 23 14	109 50 18	30	N	50	<500	N	30	N	N	N
RLT0587G	30 20 55	109 46 47	1,000	100	1,500	700	N	70	15.0	N	N
RLT0589G	30 21 0	109 47 6	50	N	300	700	N	70	N	N	N
RLT0594G	30 19 37	109 49 32	50	N	100	<500	N	70	N	N	N
RLT0596G	30 20 47	109 51 24	70	N	70	<500	N	50	N	N	N
RLT0602G	30 41 45	110 20 10	50	N	100	500	N	50	N	N	N
RLT0606G	30 26 4	110 16 27	70	<10	100	<500	N	50	N	N	N
RLT0611G	30 24 50	110 16 27	70	<10	150	<500	N	30	N	N	N
RLT0613G	30 24 7	110 18 39	50	<10	70	<500	N	50	N	N	N
RLT0615G	30 24 42	110 19 2	70	15	150	<500	N	70	2.0	N	N
RLT0617G	30 25 43	110 20 9	30	<10	50	<500	N	70	N	N	N
RLT0621G	30 23 49	110 12 39	100	<10	1,000	500	N	70	1.5	N	N
RLT0623G	30 34 12	110 21 22	15	N	100	<500	N	30	N	N	N
RLT0625G	30 33 35	110 20 37	30	N	30	<500	N	30	N	N	N
RLT0639G	30 28 35	110 12 24	70	N	20	<500	N	70	N	N	N
RLT0661G	30 29 42	110 0 18	70	N	100	500	N	70	N	N	N
RLT0673G	30 23 46	110 3 18	50	N	70	500	N	70	N	N	N
RLT0675G	30 23 30	110 3 27	30	N	150	<500	N	30	N	N	N
RLT0679G	30 22 30	110 3 36	70	N	100	500	N	100	N	N	N
RLT0687G	30 21 25	110 6 21	50	N	150	<500	N	50	N	N	N
MEH0437G	30 54 23	109 43 52	30	N	300	N	N	100	N	N	N
MEH0439G	30 58 16	109 43 50	15	N	70	N	N	20	N	N	N
MEH0441G	30 58 32	109 43 57	15	N	50	N	N	30	N	N	N
MEH0455G	30 52 30	109 43 0	20	N	50	N	N	50	N	N	N
ELM0355G	31 7 58	109 45 57	20	N	30	N	N	20	N	N	N
ELM0357G	31 7 36	109 45 50	20	N	30	N	N	20	N	N	N
ELM0359G	31 6 33	109 45 51	50	<10	100	N	N	50	N	N	N
ELM0361G	31 6 9	109 45 49	50	<10	150	N	N	20	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
RLT0541G	N	N	700	N	>50.0	7,000	300	300	20	5	30
RLT0547G	N	<20	300	N	>50.0	7,000	700	300	30	15	70
RLT0549G	N	N	500	N	50.0	7,000	1,500	200	50	7	100
RLT0551G	N	N	300	<100	>50.0	10,000	1,500	500	70	50	50
RLT0553G	N	N	700	N	>.1	10,000	1,500	<200	20	3	30
RLT0555G	N	N	500	<100	>.1	7,000	1,500	<200	20	7	70
RLT0557G	N	N	300	<100	>.1	10,000	1,500	<200	20	15	70
RLT0559G	N	N	500	100	>.1	>10,000	7,000	300	50	7	50
RLT0561G	N	<20	500	<100	>.1	>20	1,000	<200	300	15	50
RLT0563G	N	N	300	N	>.1	>20	3,000	<200	20	7	20
RLT0567G	N	N	700	N	>.1	10,000	3,000	200	20	5	50
RLT0569G	N	N	700	N	>.1	10,000	1,500	N	20	3	70
RLT0571G	N	N	700	N	>.1	10,000	1,500	<200	<20	3	50
RLT0575G	N	N	1,000	N	>.1	7,000	700	<200	20	2	70
RLT0579G	N	N	700	N	15.0	7,000	1,500	200	70	3	70
RLT0581G	N	N	500	N	15.0	7,000	2,000	500	100	5	50
RLT0583G	N	N	500	N	15.0	7,000	1,500	300	100	5	50
RLT0585G	N	N	700	N	15.0	3,000	1,000	N	30	7	15
RLT0587G	N	N	500	N	15.0	10,000	1,500	500	70	7	20
RLT0589G	N	N	500	N	15.0	3,000	1,500	<200	50	2	20
RLT0594G	N	N	700	N	15.0	3,000	1,500	200	50	2	15
RLT0596G	N	N	700	N	20.0	2,000	700	N	50	<2	15
RLT0602G	N	N	500	N	15.0	3,000	1,500	<200	70	2	30
RLT0606G	N	N	500	N	15.0	3,000	1,500	500	70	3	50
RLT0611G	N	N	500	N	20.0	1,500	1,000	200	70	3	20
RLT0613G	N	N	500	N	20.0	3,000	1,500	200	100	3	30
RLT0615G	N	N	500	N	20.0	3,000	2,000	200	150	5	30
RLT0617G	N	N	1,000	N	30.0	2,000	500	N	50	<2	50
RLT0621G	N	<20	500	N	20.0	10,000	3,000	200	500	7	15
RLT0623G	N	N	700	N	20.0	3,000	1,000	N	100	<2	20
RLT0625G	N	N	1,000	N	30.0	3,000	1,000	N	50	<2	20
RLT0639G	N	N	500	N	30.0	5,000	1,500	200	20	3	70
RLT0661G	N	N	700	N	50.0	7,000	1,500	N	30	2	50
RLT0673G	N	N	700	N	30.0	5,000	1,000	N	20	<2	50
RLT0675G	N	N	500	N	30.0	7,000	1,500	N	70	2	20
RLT0679G	N	N	500	N	50.0	7,000	1,000	N	20	2	20
RLT0687G	N	N	700	N	30.0	7,000	2,000	N	30	2	20
MEH0437G	N	N	300	N	30.0	10,000	3,000	<200	150	15	20
MEH0439G	N	N	300	N	30.0	10,000	700	<200	150	5	20
MEH0441G	N	N	300	N	30.0	5,000	300	<200	70	7	20
MEH0455G	N	N	500	N	30.0	10,000	1,000	<200	70	7	20
ELM0355G	N	N	300	N	20.0	7,000	700	<200	70	5	10
ELM0357G	N	N	300	N	30.0	3,000	500	<200	50	3	10
ELM0359G	N	N	300	N	30.0	5,000	2,000	<200	50	5	15
ELM0361G	N	N	300	N	30.0	5,000	1,500	<200	50	7	10

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLT0541G	700	.15	.15	300	300	20	>2,000	50	100	1.500
RLT0547G	700	.30	.20	300	150	30	1,500	30	70	>.005
RLT0549G	1,000	1.00	2.00	700	100	30	2,000	20	70	>.005
RLT0551G	300	1.00	1.50	500	500	20	1,500	30	150	>.005
RLT0553G	700	.10	.70	150	200	15	1,000	70	100	>.005
RLT0555G	1,000	1.00	1.50	150	300	20	1,500	50	100	2.000
RLT0557G	1,000	.70	2.00	500	150	30	1,500	30	150	>.005
RLT0559G	500	2.00	3.00	100	100	20	1,000	20	70	>.005
RLT0561G	1,000	1.50	1.50	300	300	30	>20	70	200	>.005
RLT0563G	1,500	.70	2.00	500	300	30	2,000	70	200	2.000
RLT0567G	1,500	.10	1.00	700	150	10	2,000	50	<50	>.005
RLT0569G	1,500	.20	2.00	500	150	<10	>20	N	50	2.000
RLT0571G	2,000	.30	2.00	700	100	15	2,000	50	<50	>.005
RLT0575G	1,500	1.50	3.00	200	70	15	700	30	<50	>.005
RLT0579G	300	3.00	2.00	200	100	15	700	<20	N	>2.000
RLT0581G	300	3.00	3.00	300	100	20	1,000	N	<50	>2.000
RLT0583G	300	3.00	5.00	200	100	20	700	N	<50	>2.000
RLT0585G	300	<.10	.50	200	200	<10	700	N	<50	>2.000
RLT0587G	200	3.00	1.50	300	150	20	1,000	N	<50	2.000
RLT0589G	300	1.50	1.50	200	100	<10	1,000	<20	<50	>2.000
RLT0594G	300	1.50	1.50	300	70	15	1,500	<20	<50	>2.000
RLT0596G	500	1.50	2.00	200	70	15	1,500	<20	<50	>2.000
RLT0602G	300	1.00	1.50	200	70	15	700	N	<50	2.000
RLT0606G	300	7.00	7.00	200	70	20	700	N	<50	2.000
RLT0611G	150	1.50	.70	200	70	10	700	<20	<50	2.000
RLT0613G	300	3.00	3.00	200	70	10	700	<20	<50	>2.000
RLT0615G	300	1.00	1.50	200	100	10	700	<20	<50	2.000
RLT0617G	500	<.10	.50	<50	70	<10	1,000	<20	N	>2.000
RLT0621G	200	1.50	3.00	100	70	15	500	N	N	1.500
RLT0623G	500	.30	2.00	100	70	10	700	<20	<50	>2.000
RLT0625G	500	.20	1.50	200	30	10	500	<20	N	>2.000
RLT0639G	300	3.00	7.00	100	50	20	700	N	N	>2.000
RLT0661G	300	1.50	3.00	300	70	20	1,000	<20	<50	>2.000
RLT0673G	300	.70	2.00	<50	70	20	1,000	<20	<50	>2.000
RLT0675G	200	1.50	3.00	300	70	15	1,000	N	<50	2.000
RLT0679G	300	.50	2.00	100	70	<10	1,500	<20	<50	>2.000
RLT0687G	200	1.50	3.00	100	70	20	700	N	<50	2.000
MEH0437G	50	.70	1.00	1,000	150	20	500	30	N	>2.000
MEH0439G	150	.50	.70	1,000	150	20	300	20	N	>2.000
MEH0441G	150	.15	.50	500	200	20	500	30	N	>2.000
MEH0455G	150	.70	1.00	700	150	20	500	20	N	>2.000
ELM0355G	50	.70	1.00	1,000	150	20	300	<20	N	>2.000
ELM0357G	200	.30	.70	500	100	15	300	<20	N	2.000
ELM0359G	100	.50	.70	500	100	10	150	20	N	1.500
ELM0361G	150	.50	.50	500	100	10	200	<20	N	1.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
ELM0363G	31 4 46	109 45 51	30	N	150	N	N	30	N	N	N
ELM0365G	31 3 49	109 45 32	15	N	70	N	N	30	N	N	N
ELM0367G	31 2 42	109 44 57	15	N	100	N	N	10	N	N	N
ELM0369G	31 2 10	109 45 27	30	N	100	N	N	20	N	N	N
ELM0371G	31 1 38	109 45 30	30	N	150	N	N	20	N	N	N
ELM0373G	31 7 45	109 46 0	15	N	70	N	N	50	N	N	N
ELM0375G	31 1 1	109 44 44	15	N	200	N	N	20	N	N	N
ELM0377G	31 1 15	109 42 36	10	N	100	N	N	20	N	N	N
ELM0379G	31 2 17	109 43 20	30	<10	200	N	N	20	N	N	N
ELM0381G	31 6 43	109 48 54	15	N	50	N	N	50	N	N	N
ELM0383G	31 8 37	109 45 21	15	N	50	N	N	50	N	N	N
ELM0335G	31 9 1	109 45 17	10	N	50	N	N	30	N	N	N
ELM0387G	31 9 26	109 45 0	30	15	200	N	N	30	N	N	N
ELM0389G	31 10 55	109 44 39	30	<10	200	N	N	30	N	N	N
ELM0391G	31 11 29	109 44 42	30	<10	150	N	N	20	N	N	N
ELM0393G	31 11 46	109 44 30	50	20	70	N	N	50	N	N	N
ELM0395G	31 12 32	109 44 3	30	<10	150	N	N	70	N	N	N
ELM0397G	30 51 50	109 33 45	30	N	30	N	N	70	N	N	N
ELM0399G	30 53 47	109 32 42	20	N	50	N	N	70	N	N	N
ELM0401G	30 54 5	109 32 45	10	N	50	N	N	70	N	N	N
ELM0409G	30 46 21	109 34 39	20	N	30	N	N	70	N	N	N
ELM0411G	30 45 6	109 34 36	20	N	50	N	N	70	N	N	N
ELM0417G	30 38 21	109 25 6	30	N	150	N	N	70	N	N	N
ELM0419G	30 36 22	109 25 3	20	N	30	N	N	70	N	N	N
ELM0421G	30 34 39	109 23 30	20	N	50	N	N	70	N	N	N
ELM0423G	30 32 47	109 23 18	15	N	50	N	N	70	N	N	N
ELM0425G	30 36 18	109 23 39	20	N	70	N	N	100	N	N	N
ELM0429G	30 26 49	109 41 18	30	7	70	N	N	70	N	N	N
ELM0431G	30 26 12	109 40 52	10	N	50	N	N	70	N	N	N
ELM0435G	30 10 36	109 19 39	15	N	70	N	N	70	N	N	N
ELM0437G	30 12 24	109 21 1	<10	N	<20	N	N	70	N	N	N
ELM0439G	30 13 1	109 21 16	10	N	<20	N	N	70	N	N	N
ELM0441G	30 14 15	109 21 11	10	N	20	N	N	100	N	N	N
ELM0443G	30 14 33	109 21 3	20	N	30	N	N	100	N	N	N
ELM0445G	30 15 23	109 21 48	30	N	30	N	N	70	N	N	N
ELM0447G	30 17 47	109 23 46	30	N	30	N	N	100	N	N	N
ELM0449G	30 22 30	109 28 45	30	N	150	N	N	100	N	N	N
ELM0451G	30 22 57	109 29 21	30	N	200	N	N	100	N	N	N
ELM0453G	30 23 20	109 29 30	30	N	50	N	N	70	N	N	N
ELM0455G	30 22 53	109 28 44	200	<10	1,000	N	N	200	N	N	N
ELM0457G	30 24 15	109 29 12	100	N	700	N	N	100	N	N	N
ELM0459G	30 24 50	109 29 30	30	N	1,000	N	N	70	N	N	N
ELM0463G	30 38 29	109 19 35	20	N	50	N	N	70	N	N	N
ELM0465G	30 7 24	109 19 53	15	N	30	N	N	70	N	N	N
ELM0467G	30 6 24	109 19 28	15	N	30	N	N	70	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
ELM0363G	N	N	300	N	30.0	7,000	1,500	200	70	7	10
ELM0365G	N	N	300	N	30.0	7,000	1,500	<200	70	7	10
ELM0367G	N	N	300	N	20.0	7,000	700	1,500	70	7	<10
ELM0369G	N	N	500	N	20.0	7,000	1,000	3,000	70	7	10
ELM0371G	N	N	300	N	20.0	7,000	3,000	2,000	100	15	10
ELM0373G	N	N	500	N	30.0	3,000	500	<200	100	2	10
ELM0375G	N	N	500	N	30.0	7,000	1,500	200	100	5	10
ELM0377G	N	N	500	N	30.0	5,000	300	1,000	100	5	10
ELM0379G	N	N	200	N	30.0	5,000	700	1,000	100	7	20
ELM0381G	N	N	500	N	30.0	7,000	1,000	<200	50	2	15
ELM0383G	N	N	500	N	30.0	5,000	500	<200	100	2	10
ELM0385G	N	N	500	N	30.0	7,000	700	<200	50	2	10
ELM0387G	N	N	200	N	30.0	5,000	1,000	<200	200	5	15
ELM0389G	N	N	300	N	30.0	7,000	700	<200	150	5	15
ELM0391G	N	N	300	N	30.0	3,000	500	<200	150	5	15
ELM0393G	N	N	700	N	20.0	1,500	1,000	N	150	5	30
ELM0395G	N	N	700	N	20.0	1,500	700	N	100	3	30
ELM0397G	N	N	700	N	30.0	3,000	500	N	20	3	50
ELM0399G	N	N	700	N	20.0	3,000	700	300	70	3	20
ELM0401G	N	N	500	N	20.0	3,000	200	N	20	7	<10
ELM0409G	N	N	700	N	30.0	3,000	700	N	50	5	20
ELM0411G	N	N	700	N	30.0	5,000	3,000	200	50	7	20
ELM0417G	N	N	700	N	15.0	7,000	5,000	200	30	7	15
ELM0419G	N	N	700	N	20.0	10,000	5,000	200	30	10	<10
ELM0421G	N	N	700	N	20.0	7,000	700	N	20	5	10
ELM0423G	N	N	700	N	20.0	7,000	700	N	<20	2	10
ELM0425G	N	N	700	N	30.0	7,000	1,500	N	<20	2	15
ELM0429G	N	N	700	N	15.0	5,000	700	300	100	2	20
ELM0431G	N	N	700	N	30.0	3,000	300	N	20	3	15
ELM0435G	N	N	700	N	30.0	5,000	700	N	30	3	10
ELM0437G	N	N	500	N	30.0	7,000	300	N	N	7	10
ELM0439G	N	N	500	N	10.0	7,000	300	N	20	N	30
ELM0441G	N	N	500	N	20.0	10,000	200	N	N	5	10
ELM0443G	N	N	500	N	30.0	7,000	700	N	<20	2	20
ELM0445G	N	N	700	N	30.0	7,000	700	N	<20	2	10
ELM0447G	N	N	700	N	50.0	5,000	150	N	<20	N	10
ELM0449G	N	N	700	N	50.0	10,000	1,500	N	<20	5	15
ELM0451G	N	N	500	N	50.0	7,000	3,000	200	30	5	20
ELM0453G	N	N	1,000	N	50.0	>10,000	3,000	500	100	7	70
ELM0455G	N	N	700	N	20.0	>10,000	>10,000	500	500	7	20
ELM0457G	N	N	1,000	N	50.0	7,000	1,500	N	200	5	30
ELM0459G	N	N	700	N	50.0	10,000	2,000	N	200	3	20
ELM0463G	N	N	700	N	30.0	10,000	1,500	N	100	5	<10
ELM0465G	N	N	500	N	30.0	10,000	1,500	N	30	5	10
ELM0467G	N	N	700	N	50.0	5,000	700	N	30	5	<10

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
ELM0363G	150	.70	.50	700	200	20	300	20	N	1.500
ELM0365G	150	.70	.50	700	300	15	500	20	N	2.000
ELM0367G	30	3.00	1.50	700	200	20	300	20	N	2.000
ELM0369G	70	5.00	1.00	700	200	20	200	<20	N	1.000
ELM0371G	150	5.00	1.50	700	200	15	300	<20	N	.700
ELM0373G	200	.30	.50	1,000	100	15	300	20	N	2.000
ELM0375G	100	.70	.70	700	150	15	300	<20	N	>2.000
ELM0377G	70	1.00	.50	1,000	150	15	300	30	N	2.000
ELM0379G	30	2.00	1.00	700	200	15	200	20	N	1.000
ELM0381G	700	.30	.70	700	200	15	500	30	N	2.000
ELM0383G	500	.70	1.00	500	200	15	300	20	N	2.000
ELM0385G	700	.15	.70	500	200	20	300	30	N	>2.000
ELM0387G	70	.70	1.00	500	100	15	300	20	N	2.000
ELM0389G	70	.70	1.00	500	100	15	300	30	N	1.500
ELM0391G	100	.50	1.50	500	100	15	200	30	N	2.000
ELM0393G	30	.70	1.00	200	100	10	300	20	N	2.000
ELM0395G	150	.50	.50	200	100	<10	300	20	N	2.000
ELM0397G	300	.70	1.00	500	100	10	1,000	30	N	>2.000
ELM0399G	150	1.50	1.50	500	200	15	700	<20	N	>2.000
ELM0401G	150	.50	.70	500	150	10	1,000	20	N	>2.000
ELM0409G	150	.30	.50	200	70	10	500	20	N	>2.000
ELM0411G	150	.70	1.00	200	70	10	1,000	<20	N	>2.000
ELM0417G	150	1.50	3.00	200	70	15	700	<20	N	2.000
ELM0419G	100	1.50	2.00	200	100	15	500	<20	N	2.000
ELM0421G	150	1.00	1.50	500	100	10	1,000	20	N	>2.000
ELM0423G	200	.70	.70	300	150	10	1,000	20	N	2.000
ELM0425G	150	1.00	1.50	200	70	15	700	<20	N	>2.000
ELM0429G	300	3.00	5.00	500	150	20	700	<20	N	>2.000
ELM0431G	200	1.50	2.00	300	100	15	1,000	<20	N	>2.000
ELM0435G	300	.70	1.50	200	70	10	1,000	<20	N	>2.000
ELM0437G	150	.15	2.00	200	100	15	1,000	<20	N	>2.000
ELM0439G	500	3.00	7.00	500	100	50	700	<20	N	1.500
ELM0441G	150	.30	2.00	200	100	20	1,000	30	N	>2.000
ELM0443G	200	1.50	3.00	200	70	20	1,000	20	N	>2.000
ELM0445G	150	1.00	2.00	200	100	20	1,000	20	N	>2.000
ELM0447G	100	.70	1.50	200	70	10	500	20	N	>2.000
ELM0449G	200	1.00	2.00	300	100	20	700	20	N	2.000
ELM0451G	200	2.00	3.00	300	150	30	700	<20	N	2.000
ELM0453G	70	1.50	3.00	100	100	30	500	<20	N	2.000
ELM0455G	20	.30	.30	100	100	50	>2,000	N	N	2.000
ELM0457G	100	1.50	2.00	200	70	15	1,500	N	N	2.000
ELM0459G	70	.70	1.50	100	100	10	1,000	N	N	>2.000
ELM0463G	50	1.50	3.00	100	70	20	1,000	N	N	>2.000
ELM0465G	50	1.00	3.00	200	150	30	1,500	<20	N	>2.000
ELM0467G	50	.70	2.00	200	70	30	1,000	N	N	>2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
ELM0469G	30 4 56	109 19 51	20	N	70	N	N	70	N	N	N
ELM0471G	30 4 47	109 19 42	20	N	50	N	N	70	N	N	N
ELM0473G	30 1 8	109 19 30	30	N	100	N	N	100	N	N	N
ELM0475G	30 0 24	109 19 50	20	N	150	N	N	70	N	N	N
ELM0477G	30 7 46	109 41 50	20	N	70	N	N	100	N	N	N
ELM0479G	30 7 59	109 41 43	30	<10	200	N	N	70	N	N	N
ELM0483G	30 1 3	110 11 30	20	<10	300	N	N	70	N	N	N
ELM0487G	30 2 29	110 12 51	15	<10	200	N	N	70	N	N	N
ELM0491G	30 4 23	110 11 3	30	N	150	N	N	70	N	N	N
ELM0493G	30 5 40	110 10 9	30	N	150	N	N	70	N	N	N
ELM0495G	30 5 33	110 10 3	30	<10	150	N	N	70	N	N	N
ELM0501G	30 8 32	110 10 24	30	N	500	N	N	70	N	N	N
ELM0539G	30 22 12	110 39 27	50	10	700	N	N	70	N	N	N
ELM0413G	30 43 6	109 34 6	30	N	150	N	N	70	N	N	N
MEH0595G	30 42 14	110 41 21	100	10	1,000	N	N	70	N	N	N
MEH0473G	30 40 46	109 36 0	70	N	50	<500	N	70	1.5	N	N
MEH0477G	30 37 55	109 36 45	70	N	100	<500	N	50	N	N	N
MEH0479G	30 37 16	109 37 0	30	<10	100	<500	N	70	N	N	N
MEH0481G	30 36 14	109 37 24	30	<10	70	<500	N	70	<1.0	N	N
MEH0483G	30 34 37	109 37 33	15	<10	150	<500	N	20	1.5	N	N
MEH0485G	30 32 42	109 37 54	15	<10	70	<500	N	50	<1.0	N	N
MEH0487G	30 29 40	109 37 44	10	<10	200	<500	N	50	<1.0	N	N
MEH0489G	30 29 38	109 38 3	10	N	20	<500	N	50	<1.0	N	N
MEH0491G	30 26 40	109 32 42	70	N	700	<500	N	70	<1.0	N	N
MEH0495G	30 27 41	109 32 17	70	N	100	<500	N	70	N	N	N
MEH0497G	30 25 52	109 30 33	100	<10	3,000	<500	N	100	3.0	N	N
MEH0499G	30 25 18	109 30 21	150	10	1,500	<500	N	70	N	N	N
MEH0505G	30 26 46	109 26 6	30	N	150	<500	N	50	N	N	N
MEH0509G	30 7 6	109 46 32	70	<10	150	<500	N	70	N	N	N
MEH0511G	30 7 20	109 46 36	50	N	150	<500	N	70	N	N	N
MEH0513G	30 12 38	109 48 42	70	<10	150	<500	N	100	N	N	N
MEH0515G	30 13 7	109 49 9	70	N	200	<500	N	100	N	N	N
MEH0517G	30 12 16	109 48 15	30	N	150	<500	N	100	N	N	N
MEH0519G	30 14 41	109 48 57	50	N	100	<500	N	70	N	N	N
MEH0523G	30 17 27	109 50 23	70	N	150	<500	N	100	N	N	N
MEH0527G	30 18 32	109 50 5	100	15	700	<500	N	100	<1.0	N	N
MEH0530G	30 10 20	109 49 31	100	N	150	<500	N	100	N	N	N
MEH0531G	30 10 20	109 49 31	70	N	150	<500	N	70	N	N	N
MEH0534G	30 3 50	109 48 38	100	<10	200	<500	N	70	N	N	N
MEH0536G	30 0 14	109 50 15	30	N	150	<500	N	70	N	N	N
MEH0538G	30 10 56	109 42 13	70	<10	100	<500	N	50	N	N	N
MEH0540G	30 10 48	109 41 56	20	N	150	700	N	70	N	N	N
MEH0544G	30 10 3	110 17 42	50	10	200	500	N	70	N	N	N
MEH0546G	30 10 9	110 18 42	70	30	150	700	N	30	N	N	N
MEH0550G	30 21 23	110 34 0	70	50	150	<500	N	70	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
ELM0469G	N	N	700	N	50.0	7,000	3,000	N	100	7	<10
ELM0471G	N	N	700	N	30.0	3,000	1,500	N	100	5	<10
ELM0473G	N	N	700	N	50.0	10,000	5,000	300	700	7	<10
ELM0475G	N	N	700	N	50.0	7,000	2,000	N	300	7	<10
ELM0477G	N	N	1,000	N	30.0	5,000	300	N	200	5	<10
ELM0479G	N	N	700	N	30.0	3,000	1,000	N	1,500	5	15
ELM0483G	N	N	500	N	50.0	7,000	2,000	300	300	7	10
ELM0487G	N	N	700	N	50.0	5,000	1,500	N	200	7	<10
ELM0491G	N	N	1,000	N	50.0	5,000	700	N	100	5	<10
ELM0493G	N	N	700	N	50.0	3,000	1,500	N	100	3	<10
ELM0495G	N	N	700	N	50.0	3,000	700	N	20	3	<10
ELM0501G	N	N	700	N	50.0	3,000	700	N	70	3	<10
ELM0539G	N	N	700	N	50.0	5,000	500	N	20	3	15
ELM0413G	N	N	700	N	50.0	10,000	1,500	N	<20	N	10
MEH0595G	N	N	500	N	50.0	2,000	1,500	N	300	3	<10
MEH0473G	N	N	700	N	30.0	7,000	300	N	<20	3	70
MEH0477G	N	N	700	N	50.0	10,000	300	N	<20	3	70
MEH0479G	N	N	700	N	50.0	10,000	300	N	20	3	15
MEH0481G	N	N	500	N	30.0	10,000	150	N	50	5	15
MEH0483G	N	N	150	N	15.0	10,000	1,500	<200	20	10	10
MEH0485G	N	N	300	N	20.0	10,000	700	200	100	7	10
MEH0487G	N	N	200	N	15.0	7,000	700	N	<20	N	50
MEH0489G	N	N	200	N	15.0	7,000	150	<200	<20	<2	70
MEH0491G	N	N	300	N	15.0	7,000	700	N	20	2	70
MEH0495G	N	N	500	N	20.0	3,000	700	200	30	3	50
MEH0497G	N	N	500	N	30.0	>10,000	1,000	N	70	3	30
MEH0499G	N	N	500	N	20.0	10,000	2,000	200	50	5	70
MEH0505G	N	N	300	N	30.0	2,000	500	N	30	2	30
MEH0509G	N	N	700	N	30.0	3,000	500	N	300	2	70
MEH0511G	N	N	700	N	30.0	3,000	200	N	20	2	70
MEH0513G	N	N	700	N	30.0	5,000	700	N	30	2	70
MEH0515G	N	N	500	N	50.0	5,000	700	N	700	3	50
MEH0517G	N	N	500	N	50.0	7,000	1,000	200	70	2	50
MEH0519G	N	N	500	N	50.0	3,000	150	N	20	<2	50
MEH0523G	N	N	500	N	50.0	3,000	500	N	100	2	30
MEH0527G	N	N	500	N	50.0	7,000	700	N	70	2	50
MEH0530G	N	N	700	N	50.0	5,000	200	N	<20	2	70
MEH0531G	N	N	500	N	50.0	3,000	300	N	<20	2	70
MEH0534G	N	N	500	N	15.0	3,000	1,000	200	50	5	70
MEH0536G	N	N	500	N	15.0	3,000	700	N	50	2	30
MEH0538G	N	N	500	N	15.0	2,000	700	<200	300	3	30
MEH0540G	N	N	500	N	20.0	3,000	300	N	50	3	20
MEH0544G	N	N	500	N	20.0	10,000	1,500	N	50	7	30
MEH0546G	N	N	200	N	20.0	3,000	1,500	200	50	10	70
MEH0550G	N	N	300	N	15.0	7,000	1,000	<200	20	2	70

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
ELM0469G	50	.50	1.00	100	70	30	1,000	N	N	2.000
ELM0471G	70	.50	1.50	200	70	20	700	N	N	>2.000
ELM0473G	200	1.50	2.00	300	70	20	1,000	<20	N	>2.000
ELM0475G	150	1.00	2.00	300	70	30	1,000	<20	N	>2.000
ELM0477G	150	.70	1.50	200	70	15	700	<20	N	2.000
ELM0479G	150	1.50	1.50	200	70	15	500	N	N	2.000
ELM0483G	150	1.00	1.00	200	100	10	1,000	N	50	2.000
ELM0487G	150	.70	.70	200	150	10	1,000	<20	50	>2.000
ELM0491G	150	1.00	1.00	100	100	15	700	<20	N	>2.000
ELM0493G	100	1.00	1.00	100	70	15	700	N	N	2.000
ELM0495G	150	.70	1.50	100	70	20	700	<20	N	>2.000
ELM0501G	100	1.00	1.00	100	70	20	700	<20	N	2.000
ELM0539G	150	5.00	3.00	300	100	30	700	<20	N	2.000
ELM0413G	150	.15	1.50	200	150	20	1,500	<20	N	>2.000
MEH0595G	150	.70	1.00	150	100	10	700	<20	N	2.000
MEH0473G	70	.10	.70	100	100	50	>2,000	<20	50	>2.000
MEH0477G	500	1.50	1.50	300	100	30	2,000	<20	<50	>2.000
MEH0479G	300	.70	.70	200	200	15	>2,000	<20	50	>2.000
MEH0481G	200	.10	.50	200	150	30	>2,000	<20	50	>2.000
MEH0483G	200	2.00	3.00	500	500	20	2,000	30	50	1.500
MEH0485G	200	1.50	1.50	300	500	30	>2,000	<20	50	>2.000
MEH0487G	300	5.00	7.00	300	200	30	1,500	N	<50	2.000
MEH0489G	300	5.00	10.00	300	500	50	2,000	20	50	2.000
MEH0491G	200	5.00	7.00	100	300	30	1,000	<20	<50	2.000
MEH0495G	300	1.50	1.50	100	70	20	1,000	<20	<50	2.000
MEH0497G	150	.10	1.00	200	300	50	2,000	<20	50	>2.000
MEH0499G	300	3.00	7.00	200	150	30	1,000	N	<50	2.000
MEH0505G	300	1.00	1.50	100	70	15	700	<20	<50	2.000
MEH0509G	200	1.00	1.50	100	70	15	700	<20	<50	2.000
MEH0511G	200	.15	1.00	100	50	<10	1,500	20	<50	2.000
MEH0513G	300	1.50	1.50	200	70	20	1,500	20	<50	>2.000
MEH0515G	200	.70	1.50	500	150	15	1,500	20	<50	2.000
MEH0517G	200	1.50	1.50	150	100	15	2,000	20	<50	>2.000
MEH0519G	500	1.00	.70	200	100	15	2,000	20	<50	2.000
MEH0523G	500	.50	1.50	150	100	15	2,000	20	<50	2.000
MEH0527G	700	1.50	1.50	200	100	15	1,500	20	<50	2.000
MEH0530G	1,500	.15	1.50	200	30	20	2,000	20	<50	>2.000
MEH0531G	300	1.50	1.50	100	70	15	2,000	20	<50	2.000
MEH0534G	500	2.00	3.00	100	100	20	1,500	N	<50	>2.000
MEH0536G	300	.70	.70	100	100	10	2,000	N	<50	>2.000
MEH0538G	200	.50	1.50	<50	70	15	1,000	N	N	>2.000
MEH0540G	500	.15	.70	100	100	10	2,000	N	<50	>2.000
MEH0544G	300	.20	.50	200	300	<10	2,000	N	50	>2.000
MEH0546G	200	1.50	3.00	100	150	20	300	N	<50	.700
MEH0550G	200	5.00	5.00	300	100	15	700	N	<50	1.500

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
MEH0554G	30 12 38	110 24 45	10	<10	100	<500	N	70	N	N	N
MEH0556G	30 12 39	110 24 24	7	N	150	<500	N	50	N	N	N
MEH0558G	31 19 45	109 47 24	100	<10	700	500	N	50	N	N	N
MEH0559G	30 28 12	110 37 48	70	<10	500	N	N	70	N	N	N
MEH0561G	30 28 12	110 37 48	70	20	70	N	N	70	N	N	N
MEH0567G	30 39 51	110 32 30	100	<10	300	<500	N	50	3.0	N	<500
MEH0569G	30 39 7	110 33 11	15	N	100	500	N	50	N	N	N
MEH0576G	30 38 13	110 34 39	50	N	200	500	N	70	N	N	N
MEH0578G	30 37 57	110 35 17	150	10	300	N	N	70	N	N	1,000
MEH0580G	30 38 46	110 37 45	100	15	200	<500	N	70	N	N	700
JGF0430G	31 6 38	109 53 54	70	N	70	500	N	30	N	N	N
JGF0432G	31 5 50	109 53 24	30	N	70	<500	N	30	N	N	N
JGF0434G	31 5 40	109 53 0	15	N	50	500	N	30	N	N	N
JGF0437G	31 7 33	109 52 38	30	N	70	<500	N	70	N	N	N
JGF0439G	31 7 39	109 59 24	70	<10	100	<500	N	50	N	N	N
JGF0448G	31 14 29	109 49 11	20	N	150	<500	N	50	N	N	N
JGF0450G	31 7 45	109 49 5	50	N	70	<500	N	50	N	N	N
JGF0454G	31 8 34	109 46 33	30	<10	70	<500	N	30	N	N	N
JGF0456G	31 16 30	109 42 45	30	N	150	500	N	30	N	N	N
JGF0458G	31 12 0	109 34 29	70	10	300	500	N	30	N	N	N
JGF0460G	31 9 5	109 48 37	30	<10	150	500	N	50	N	N	N
JGF0463G	31 9 48	109 40 45	70	<10	500	700	N	50	N	N	N
JGF0465G	31 5 46	109 40 27	30	N	150	500	N	50	N	N	N
JGF0467G	31 8 33	109 39 24	70	N	700	700	N	50	N	N	N
JGF0470G	31 7 45	109 36 3	70	<10	700	700	N	70	N	N	N
JGF0472G	30 38 5	109 37 15	30	<10	150	700	N	70	N	N	N
JGF0476G	30 37 41	109 38 21	30	N	100	700	N	70	N	N	N
JGF0478G	30 36 53	109 37 58	30	<10	70	700	N	70	N	N	N
JGF0480G	30 34 30	109 38 57	30	N	50	700	N	70	N	N	N
JGF0489G	30 29 6	109 40 56	50	N	<20	<500	N	30	N	N	N
JGF0500G	30 36 45	109 37 48	10	N	30	<500	N	50	N	N	N
JGF0504G	30 23 50	109 42 16	1,000	<10	100	<500	N	50	<1.0	N	N
JGF0513G	30 24 3	109 41 36	100	10	100	<500	N	30	N	N	N
JGF0515G	30 23 47	109 41 33	70	<10	100	<500	N	70	<1.0	N	N
JGF0521G	30 18 32	109 41 16	700	N	150	<500	N	50	<1.0	N	N
JGF0523G	30 15 47	109 41 24	100	10	200	700	N	50	<1.0	N	N
JGF0525G	30 15 57	109 41 30	500	15	150	700	N	70	3.0	N	N
JGF0530G	30 10 24	109 47 0	50	N	100	700	N	50	N	N	N
JGF0532G	30 10 4	109 46 34	500	<10	200	700	N	70	N	N	N
JGF0536G	30 19 1	109 40 0	300	N	700	700	N	30	3.0	N	N
JGF0538G	30 18 23	109 39 3	500	N	700	700	N	50	10.0	N	N
JGF0544G	30 16 59	109 35 15	200	<10	200	<500	N	<10	N	N	N
JGF0546G	30 7 20	109 46 36	50	N	100	500	N	50	N	N	N
JGF0550G	30 7 6	109 46 32	30	<10	150	<500	N	30	N	N	N
JGF0552G	30 22 33	109 39 57	20	N	150	<500	N	20	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
MEH0554G	N	N	500	N	20.0	3,000	500	N	30	3	20
MEH0556G	N	N	500	N	20.0	3,000	500	N	30	3	20
MEH0558G	N	N	500	100	30.0	5,000	700	N	30	7	20
MEH0559G	N	N	500	N	20.0	7,000	1,000	<200	200	3	50
MEH0561G	N	N	300	N	15.0	10,000	700	200	70	2	70
MEH0567G	N	N	500	N	20.0	10,000	1,500	300	150	<2	50
MEH0569G	N	N	1,000	N	20.0	3,000	700	N	20	<2	20
MEH0576G	N	N	700	<100	20.0	7,000	1,000	<200	70	<2	20
MEH0578G	N	N	300	N	20.0	10,000	3,000	<200	150	7	70
MEH0580G	N	N	200	N	20.0	7,000	1,500	300	70	5	70
JGF0430G	N	N	1,000	N	50.0	5,000	1,500	N	70	3	15
JGF0432G	N	N	700	N	50.0	7,000	1,500	300	100	3	15
JGF0434G	N	N	1,000	N	50.0	3,000	500	N	30	2	20
JGF0437G	N	N	700	N	30.0	7,000	3,000	N	30	5	15
JGF0439G	N	N	700	N	50.0	10,000	7,000	N	150	7	15
JGF0448G	N	N	700	N	50.0	7,000	700	N	50	3	20
JGF0450G	N	N	500	N	50.0	7,000	1,500	N	50	2	20
JGF0454G	N	N	300	N	50.0	3,000	700	N	70	2	20
JGF0456G	N	N	500	<100	50.0	3,000	700	N	50	2	20
JGF0458G	N	<20	500	N	50.0	7,000	2,000	N	150	7	50
JGF0460G	N	N	500	N	50.0	7,000	1,500	N	70	3	20
JGF0463G	N	<20	500	<100	50.0	7,000	700	N	70	5	20
JGF0465G	N	N	700	N	50.0	3,000	1,500	N	50	2	10
JGF0467G	N	<20	700	N	50.0	5,000	1,000	N	50	3	15
JGF0470G	N	<20	700	<100	50.0	7,000	2,000	N	50	3	15
JGF0472G	N	N	300	N	50.0	7,000	1,500	700	50	2	10
JGF0476G	N	N	300	N	50.0	7,000	1,000	N	50	2	10
JGF0478G	N	N	300	N	50.0	7,000	700	200	50	2	10
JGF0485G	N	N	500	N	50.0	10,000	300	N	70	2	10
JGF0489G	N	N	500	N	20.0	3,000	700	200	200	2	150
JGF0500G	N	N	300	N	30.0	7,000	500	200	70	2	10
JGF0504G	N	N	500	N	50.0	5,000	700	200	70	5	20
JGF0513G	N	N	300	N	30.0	3,000	700	500	70	5	50
JGF0515G	N	N	300	N	20.0	5,000	1,500	300	50	3	30
JGF0521G	N	N	700	N	50.0	3,000	700	<200	50	<2	20
JGF0523G	N	N	700	N	50.0	5,000	1,000	<200	150	3	10
JGF0525G	N	N	700	N	50.0	5,000	1,500	300	70	2	10
JGF0530G	N	N	500	N	50.0	3,000	700	<200	50	2	15
JGF0532G	N	N	700	N	50.0	5,000	1,000	<200	100	3	15
JGF0536G	N	N	700	N	50.0	7,000	700	N	50	2	20
JGF0538G	N	N	700	N	50.0	10,000	1,500	<200	70	3	15
JGF0544G	N	<20	200	100	15.0	3,000	700	N	3,000	5	10
JGF0546G	N	N	700	N	50.0	3,000	500	N	70	<2	30
JGF0550G	N	N	500	N	30.0	2,000	700	200	1,000	3	30
JGF0552G	N	N	700	N	50.0	2,000	700	200	70	5	20

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0554G	200	.10	1.00	200	700	<10	1,500	N	50	>2.000
MEH0556G	200	.30	.70	300	500	<10	2,000	N	50	>2.000
MEH0558G	200	<.10	.20	<50	200	<10	500	N	<50	.700
MEH0559G	200	1.50	3.00	300	200	15	700	N	<50	>2.000
MEH0561G	200	7.00	7.00	500	700	20	700	N	<50	2.000
MEH0567G	200	2.00	1.00	200	150	10	700	N	<50	>2.000
MEH0569G	300	.20	.70	<50	70	<10	700	N	<50	>2.000
MEH0576G	300	.50	1.00	<50	70	<10	700	N	<50	>2.000
MEH0578G	150	.70	1.00	<50	50	10	150	N	N	1.000
MEH0580G	200	3.00	3.00	<50	70	15	150	N	N	.700
JGF0430G	300	.30	.20	700	100	10	1,000	<20	<50	>2.000
JGF0432G	300	.70	.30	500	100	10	2,000	<20	<50	>2.000
JGF0434G	500	.30	.20	500	100	10	1,000	<20	<50	>2.000
JGF0437G	300	.30	.30	700	150	15	1,500	<20	<50	>2.000
JGF0439G	300	1.50	1.00	500	150	15	1,500	<20	<50	>2.000
JGF0448G	500	.10	.50	<50	150	<10	1,500	<20	<50	>2.000
JGF0450G	300	.70	1.00	500	100	15	2,000	<20	<50	>2.000
JGF0454G	150	2.00	3.00	200	70	15	700	<20	<50	2.000
JGF0456G	700	.20	.20	<50	150	<10	1,000	N	<50	>2.000
JGF0458G	500	1.00	1.50	300	150	10	700	N	<50	>2.000
JGF0460G	700	.20	1.00	300	150	15	2,000	<20	<50	>2.000
JGF0463G	500	<.10	.70	<50	150	10	1,000	N	<50	>2.000
JGF0465G	1,000	.20	.50	500	150	15	1,000	<20	<50	>2.000
JGF0467G	1,000	.10	.30	<50	200	10	1,000	N	<50	>2.000
JGF0470G	700	.10	.50	200	150	10	700	N	<50	>2.000
JGF0472G	500	3.00	1.00	300	100	15	1,500	<20	<50	>2.000
JGF0476G	300	2.00	1.00	500	70	15	1,000	<20	<50	>2.000
JGF0478G	150	1.50	1.00	500	150	15	2,000	<20	<50	>2.000
JGF0485G	150	1.50	.50	200	100	15	1,500	<20	<50	>2.000
JGF0489G	700	7.00	3.00	700	300	70	1,000	N	<50	>2.000
JGF0500G	200	.70	.50	700	100	<10	1,500	N	<50	>2.000
JGF0504G	200	3.00	.70	300	100	15	1,000	<20	N	>2.000
JGF0513G	300	5.00	3.00	500	150	15	500	N	<50	2.000
JGF0515G	200	3.00	3.00	500	150	10	700	N	<50	2.000
JGF0521G	200	1.00	2.00	200	70	10	1,500	N	N	>2.000
JGF0523G	200	.70	1.00	200	50	10	700	<20	N	>2.000
JGF0525G	150	2.00	3.00	200	100	15	700	<20	N	>2.000
JGF0530G	200	1.50	1.50	200	50	<10	700	<20	N	2.000
JGF0532G	200	1.50	2.00	200	70	10	700	<20	N	>2.000
JGF0536G	200	1.50	2.00	200	50	15	700	<20	N	>2.000
JGF0538G	200	1.00	1.50	200	50	15	700	N	N	2.000
JGF0544G	70	.50	.50	300	30	10	700	N	N	1.500
JGF0546G	200	.15	1.00	200	30	<10	1,500	<20	<50	>2.000
JGF0550G	150	1.00	2.00	200	70	10	700	N	<50	>2.000
JGF0552G	200	1.00	2.00	500	100	15	700	<20	<50	2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
JGF0554G	30 24 39	110 10 24	100	N	50	500	N	50	N	N	N
JGF0559G	30 27 0	110 9 33	70	N	100	500	N	15	N	N	N
JGF0562G	30 28 28	110 9 27	70	N	70	500	N	50	N	N	N
JGF0564G	30 29 19	110 9 21	70	N	20	500	N	70	N	N	N
JGF0566G	30 29 11	110 9 36	70	N	150	500	N	70	N	N	N
JGF0570G	30 30 55	110 8 52	70	N	20	500	N	70	N	N	N
JGF0576G	30 24 0	110 9 36	150	N	30	<500	N	70	N	N	N
JGF0581G	30 19 53	110 11 42	200	<10	300	<500	N	70	<1.0	N	N
JGF0605G	30 18 53	110 10 30	70	<10	300	500	N	70	<1.0	N	N
JGF0607G	30 13 59	110 10 30	50	N	100	<500	N	50	N	N	N
JGF0610G	30 14 6	110 12 48	100	N	150	<500	N	70	N	N	N
JGF0614G	30 19 14	110 10 27	70	N	100	<500	N	50	N	N	N
JGF0616G	30 18 57	110 10 50	70	N	70	<500	N	50	N	N	N
JGF0618G	30 17 35	110 11 3	70	N	50	<500	N	50	N	N	N
JGF0620G	30 17 19	110 11 12	50	N	150	<500	N	70	N	N	N
JGF0622G	30 14 15	110 12 18	50	N	150	<500	N	70	20.0	N	N
JGF0624G	30 14 27	110 12 34	100	N	70	500	N	70	N	N	N
JGF0628G	30 12 15	110 13 42	70	10	7,000	10,000	70	50	150.0	N	700
JGF0630G	31 16 8	109 45 6	50	N	300	<500	N	50	N	N	N
MEH0443G	30 57 51	109 41 36	50	N	200	<500	N	30	N	N	N
MEH0445G	30 54 57	109 47 18	70	10	150	<500	N	70	<1.0	N	N
MEH0457G	30 52 17	109 43 27	30	N	150	<500	N	50	<1.0	N	N
MEH0459G	30 52 32	109 45 6	50	<10	300	<500	N	50	<1.0	N	N
MEH0461G	30 52 57	109 46 21	50	N	500	<500	N	50	N	N	N
MEH0463G	30 54 17	109 49 9	70	<10	500	<500	N	30	N	N	N
MEH0465G	30 54 29	109 48 51	70	N	150	<500	N	100	N	N	N
MEH0467G	30 53 21	109 47 3	100	10	500	<500	N	50	N	N	N
MEH0471G	30 41 15	109 36 2	30	N	30	<500	N	70	N	N	N
GHA0365	30 52 34	110 9 12	300	N	200	N	N	70	1.0	N	N
RLT0152	30 54 29	110 5 25	100	N	100	N	N	70	N	N	N
RLT0155	30 59 12	110 4 7	20	<10	50	N	N	10	N	N	N
MEH0301	31 0 54	110 29 26	500	20	300	N	N	200	N	N	N
LCH0201	30 39 56	109 52 8	200	10	300	N	N	150	N	N	N
LCH0204	30 47 42	110 3 59	150	15	150	N	N	50	N	N	N
LCH0180	30 48 32	110 2 26	200	10	150	N	N	100	N	N	N
LCH0171	30 49 54	110 6 31	100	N	70	N	N	50	1.5	N	N
LCH0222	30 37 8	109 56 35	150	N	50	N	N	70	N	N	N
GHA0265	30 48 17	110 20 24	200	10	500	N	N	70	N	N	N
RLT0191	30 49 15	109 53 33	200	N	100	N	N	70	N	N	N
RLT0200	30 45 31	109 53 34	150	N	150	N	N	100	N	N	N
RLT0170	30 52 0	110 1 44	100	N	150	N	N	50	N	N	N
RLT0140	30 56 31	110 7 45	70	N	100	N	N	30	N	N	N
RLT0158	30 59 22	110 4 5	100	10	100	N	N	50	N	N	N
LCH0183	30 49 42	110 2 57	150	N	150	N	N	50	N	N	N
GHA0334	30 54 8	110 22 32	150	N	500	N	N	70	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct, s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
JGFO554G	N	N	500	N	50.0	5,000	700	200	<20	N	30
JGFO559G	N	N	500	N	50.0	3,000	1,500	N	50	3	<10
JGFO562G	N	N	700	N	50.0	3,000	700	200	50	N	70
JGFO564G	N	N	500	N	50.0	5,000	700	200	50	N	100
JGFO566G	N	N	700	N	50.0	3,000	700	<200	70	N	70
JGFO570G	N	N	700	N	>50.0	3,000	300	N	<20	N	100
JGFO576G	N	N	1,000	N	50.0	5,000	700	300	50	<2	200
JGFO581G	N	N	700	N	50.0	7,000	2,000	300	200	3	30
JGFO605G	N	N	700	N	50.0	5,000	3,000	200	70	5	50
JGFO607G	N	N	700	N	50.0	3,000	2,000	300	70	3	10
JGFO610G	N	N	500	N	50.0	5,000	1,000	500	70	2	70
JGFO614G	N	N	500	N	50.0	3,000	1,500	500	100	2	70
JGFO616G	N	N	700	N	50.0	3,000	1,000	300	30	<2	30
JGFO618G	N	N	700	N	50.0	3,000	700	<200	70	N	20
JGFO620G	N	N	500	N	50.0	3,000	700	200	50	3	20
JGFO622G	N	N	500	<100	50.0	7,000	3,000	500	30	3	30
JGFO624G	N	N	300	N	50.0	3,000	1,000	200	50	N	30
JGFO628G	1,000	N	200	<100	50.0	>10,000	5,000	200	70	7	<10
JGFO630G	N	N	700	<100	50.0	7,000	1,500	<200	50	3	50
MEHO443G	200	N	500	N	50.0	7,000	1,500	<200	70	3	10
MEHO445G	N	N	700	N	50.0	10,000	2,000	200	20	5	10
MEHO457G	N	N	700	N	50.0	10,000	500	<200	30	2	<10
MEHO459G	N	N	300	N	50.0	10,000	3,000	<200	20	5	<10
MEHO461G	N	N	700	N	50.0	7,000	1,500	N	20	3	<10
MEHO463G	N	N	300	N	50.0	7,000	1,000	N	30	5	<10
MEHO465G	N	N	300	N	50.0	7,000	1,500	200	<20	2	10
MEHO467G	N	N	300	N	50.0	10,000	3,000	<200	30	7	<10
MEHO471G	N	N	300	N	50.0	10,000	300	<200	<20	<2	<10
GHAO365	N	N	1,000	N	50.0	7,000	3,000	200	20	2	100
RLTO152	N	N	1,000	N	50.0	5,000	200	N	50	2	70
RLTO155	N	N	300	N	15.0	700	700	N	30	N	15
MEHO301	N	N	500	100	30.0	5,000	200	N	500	3	50
LCHO201	N	N	700	N	50.0	5,000	300	N	30	7	70
LCHO204	N	N	200	N	10.0	2,000	500	N	200	2	30
LCHO180	N	N	300	N	30.0	7,000	700	N	500	5	70
LCHO171	N	N	700	N	15.0	700	1,500	N	N	N	50
LCHO222	N	N	700	N	30.0	5,000	1,000	N	30	N	70
GHAO265	N	N	500	N	30.0	10,000	500	200	50	N	30
RLTO191	N	N	500	N	30.0	10,000	200	N	100	5	20
RLTO200	N	N	300	N	20.0	10,000	1,500	N	100	7	30
RLTO170	N	N	300	N	20.0	3,000	1,000	N	300	3	20
RLTO140	N	N	500	N	50.0	1,000	200	N	150	N	30
RLTO158	N	N	500	N	50.0	1,500	300	N	200	3	30
LCHO183	N	N	300	N	20.0	5,000	500	N	700	5	50
GHAO334	N	N	700	N	15.0	7,000	300	200	70	2	50

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0554G	200	2.00	3.00	300	70	15	700	<20	<50	>2.000
JGF0559G	100	.50	.70	200	50	<10	150	N	N	1.500
JGF0562G	500	3.00	5.00	200	70	20	200	N	N	>2.000
JGF0564G	500	5.00	7.00	200	70	20	700	N	N	2.000
JGF0566G	300	3.00	2.00	200	70	15	700	<20	<50	2.000
JGF0570G	700	3.00	7.00	200	50	15	1,000	<20	<50	>2.000
JGF0576G	500	7.00	7.00	<50	70	30	1,000	<20	N	>2.000
JGF0581G	300	3.00	3.00	200	70	15	700	<20	N	>2.000
JGF0605G	200	2.00	3.00	<50	70	15	1,500	N	<50	>2.000
JGF0607G	200	3.00	5.00	<50	50	20	1,500	<20	N	2.000
JGF0610G	300	5.00	5.00	<50	100	20	1,500	<20	<50	>2.000
JGF0614G	300	5.00	5.00	<50	100	20	700	N	N	>2.000
JGF0616G	500	3.00	5.00	200	70	15	700	N	N	>2.000
JGF0618G	500	2.00	5.00	300	70	20	700	<20	N	>2.000
JGF0620G	500	3.00	5.00	200	70	20	700	N	<50	>2.000
JGF0622G	500	5.00	5.00	<50	70	20	2,000	<20	N	>2.000
JGF0624G	500	3.00	3.00	200	100	20	1,500	<20	<50	>2.000
JGF0628G	50	.50	1.50	<50	70	<10	700	N	N	.200
JGF0630G	500	.70	1.00	200	200	<10	1,000	<20	<50	>2.000
MEH0443G	500	.10	1.00	300	1,000	10	2,000	<20	50	>2.000
MEH0445G	500	1.50	1.50	500	200	15	1,500	<20	50	>2.000
MEH0457G	300	.30	1.00	200	1,000	10	2,000	<20	50	>2.000
MEH0459G	500	3.00	2.00	200	300	30	2,000	<20	<50	>2.000
MEH0461G	200	1.00	1.00	700	500	20	2,000	<20	50	>2.000
MEH0463G	150	1.50	1.00	500	300	20	1,500	<20	70	>2.000
MEH0465G	300	2.00	3.00	700	200	20	1,500	<20	<50	>2.000
MEH0467G	300	3.00	2.00	500	700	30	1,500	<20	<50	>2.000
MEH0471G	200	<.10	1.50	200	200	10	2,000	<20	<50	>2.000
GHA0365	300	.70	.50	300	50	20	2,000	N	N	2.000
RLT0152	200	.30	.50	150	70	30	700	N	N	>2.000
RLT0155	30	1.00	.50	150	50	N	2,000	N	N	1.000
MEH0301	70	7.00	.50	500	150	50	1,500	N	50	2.000
LCH0201	150	.50	.70	300	300	50	1,000	N	200	>2.000
LCH0204	20	2.00	1.00	200	50	30	500	N	N	1.000
LCH0180	200	1.00	.30	300	200	50	500	N	70	>2.000
LCH0171	100	.20	.50	N	N	15	300	N	N	1.500
LCH0222	150	1.00	1.00	50	30	50	500	N	N	2.000
GHA0265	150	10.00	.30	70	70	30	1,000	N	<50	>2.000
RLT0191	200	1.00	.30	700	700	70	>2,000	N	100	>2.000
RLT0200	150	3.00	.50	1,000	700	100	2,000	N	150	>2.000
RLT0170	150	.50	.20	700	500	20	>2,000	N	N	2.000
RLT0140	100	.15	.15	300	100	30	700	N	N	2.000
RLT0158	150	.50	.50	700	150	30	1,000	N	N	>2.000
LCH0183	150	.50	.50	700	500	20	500	N	N	2.000
GHA0334	150	2.00	.70	100	50	30	1,000	N	50	>2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
LCH0189	30 50 10	110 3 19	100	N	70	N	N	50	N	N	N
RLT0179	30 49 43	109 58 27	100	N	70	N	N	70	N	N	N
RLT0188	30 49 21	109 53 20	100	N	100	N	N	70	N	N	N
RLT0173	30 49 40	109 58 11	100	N	200	N	N	50	1.0	N	N
GHA0339	30 53 40	110 21 25	200	10	700	1,500	N	100	N	N	N
GHA0269	30 48 17	110 19 26	200	N	1,000	1,000	N	100	N	N	N
RLT0212	30 44 3	110 1 10	100	N	100	700	N	100	N	N	N
RLT0194	30 48 36	109 53 33	100	N	200	N	N	50	N	N	N
ELM0210	31 8 21	110 5 24	70	N	70	700	N	70	N	N	N
ELM0236	30 40 41	110 15 52	70	N	100	N	N	70	N	N	N
ELM0265	30 46 13	110 9 59	100	N	50	N	N	70	N	N	N
RLT0221	30 40 38	110 1 34	100	N	50	N	N	100	N	N	N
RLT0164	30 51 56	110 5 13	150	N	300	N	N	70	N	N	N
GHA0362	30 52 21	110 9 35	300	N	500	1,500	N	100	N	N	N
ELM0222	31 16 8	110 23 46	100	N	70	N	N	50	N	N	N
GHA0316	30 42 49	110 12 55	100	N	50	N	N	70	N	N	N
LCH0186	30 51 2	110 2 50	100	N	300	N	N	50	N	N	N
GHA0239	30 54 53	110 16 28	500	10	300	N	N	70	N	N	N
ELM0278	31 18 14	110 4 52	200	10	200	N	N	70	N	N	N
ELM0292	30 49 14	110 9 56	200	N	500	N	N	70	3.0	N	N
ELM0280	31 17 59	110 4 29	100	N	150	N	N	50	N	N	N
GHA0356	30 43 13	110 21 7	100	N	150	N	N	70	N	N	N
GHA0319	30 42 53	110 11 18	50	N	30	N	N	50	N	N	N
ELM0271	31 13 4	110 3 54	30	N	300	N	N	50	N	N	N
ELM0206	31 2 28	110 2 13	30	N	100	N	N	30	N	N	N
ELM0310	30 51 32	110 12 51	50	N	50	N	N	30	N	N	N
ELM0248	30 42 54	110 12 2	150	N	150	N	N	70	N	N	N
ELM0228	30 43 23	110 16 13	100	N	500	N	N	70	1.0	N	N
ELM0282	31 17 53	110 1 47	100	20	100	N	N	30	N	N	N
ELM0296	30 52 13	110 9 32	1,000	50	500	1,500	N	70	2.0	N	N
GHA0342	30 46 38	110 19 54	500	15	1,000	2,000	N	150	N	N	N
ELM0244	30 41 36	110 14 1	150	N	70	N	N	70	N	N	N
GHA0245	30 52 43	110 17 53	150	N	200	1,000	N	100	N	N	N
GHA0344	30 32 59	110 11 56	70	15	20	N	N	70	N	N	N
GHA0307	30 41 7	110 14 21	100	N	100	N	N	70	N	N	N
RLT0007	31 14 51	111 30 57	50	N	100	500	N	70	N	N	N
RLT0048	31 13 5	111 19 48	150	30	500	500	N	70	N	N	N
RLT0224	30 39 28	109 56 53	150	N	1,000	N	N	70	N	N	N
LCH0219	30 34 43	109 57 37	150	N	100	N	N	100	N	N	N
RLT0209	30 44 37	110 2 10	150	N	100	700	N	100	N	N	N
GHA0347	30 31 27	110 14 49	50	N	N	N	N	70	N	N	N
LCH0216	30 35 10	109 57 6	200	N	200	700	N	100	N	N	N
RLT0218	30 41 9	110 1 29	100	N	150	N	N	70	N	N	N
RLT0215	30 43 15	110 0 36	100	N	70	700	N	100	N	N	N
GHA0350	30 32 0	110 14 50	100	N	50	N	N	70	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
LCH0189	N	N	300	N	15.0	1,000	150	N	100	2	30
RLT0179	N	N	300	N	20.0	10,000	300	N	200	3	50
RLT0188	N	N	200	N	20.0	5,000	500	N	200	15	15
RLT0173	N	N	300	N	30.0	10,000	1,500	N	50	10	15
GHA0339	N	N	500	N	20.0	>10,000	300	N	100	2	50
GHA0269	N	N	700	N	50.0	7,000	700	N	50	3	100
RLT0212	N	N	700	N	50.0	5,000	1,000	N	20	N	70
RLT0194	N	N	300	N	20.0	5,000	500	N	50	3	20
ELM0210	N	N	700	N	50.0	5,000	700	N	50	2	30
ELM0236	N	N	500	N	30.0	3,000	1,500	N	30	3	50
ELM0265	N	N	700	N	50.0	5,000	1,000	N	30	2	100
RLT0221	N	N	700	N	50.0	3,000	500	N	20	N	50
RLT0164	N	N	300	N	50.0	10,000	700	N	500	5	50
GHA0362	N	N	500	N	50.0	>10,000	2,000	200	50	3	100
ELM0222	N	N	500	N	20.0	2,000	500	N	30	N	100
GHA0316	N	N	700	N	30.0	2,000	700	N	20	N	30
LCH0186	N	N	500	N	50.0	5,000	500	N	100	3	30
GHA0239	N	N	500	N	30.0	5,000	500	N	100	N	70
ELM0278	N	N	500	N	30.0	7,000	1,000	N	100	3	50
ELM0292	N	N	500	N	50.0	10,000	1,500	300	70	3	50
ELM0280	N	N	500	N	20.0	1,500	150	N	50	N	20
GHA0356	N	N	500	N	30.0	3,000	1,000	200	100	2	50
GHA0319	N	N	500	N	20.0	3,000	700	200	20	N	70
ELM0271	N	N	700	N	50.0	2,000	200	N	20	2	30
ELM0206	N	N	500	N	30.0	2,000	300	N	50	N	20
ELM0310	N	N	300	N	15.0	1,000	300	N	30	N	50
ELM0248	N	N	500	N	30.0	3,000	1,000	200	70	5	50
ELM0228	200	30	700	N	50.0	5,000	2,000	N	70	2	50
ELM0282	N	N	500	N	30.0	2,000	3,000	300	70	2	30
ELM0296	N	N	700	N	50.0	10,000	1,500	500	100	5	70
GHA0342	N	N	500	N	30.0	>10,000	2,000	700	100	7	150
ELM0244	N	N	700	N	30.0	3,000	1,500	N	30	2	70
GHA0245	N	N	1,000	N	>50.0	3,000	200	N	50	N	100
GHA0344	N	N	700	N	20.0	3,000	500	N	20	N	150
GHA0307	N	N	700	N	50.0	3,000	700	N	30	2	50
RLT0007	N	N	1,000	N	50.0	3,000	150	N	30	3	30
RLT0048	N	N	500	N	20.0	10,000	2,000	500	150	3	70
RLT0224	N	N	700	N	30.0	5,000	1,000	300	100	5	50
LCH0219	N	N	700	N	50.0	3,000	700	200	100	2	100
RLT0209	N	N	1,000	N	50.0	5,000	1,000	N	50	N	70
GHA0347	N	N	500	N	20.0	2,000	1,500	N	N	N	150
LCH0216	N	N	1,000	N	50.0	5,000	700	N	50	N	100
RLT0218	N	N	700	N	50.0	5,000	1,500	200	30	2	50
RLT0215	N	N	1,000	N	50.0	3,000	1,000	N	30	2	50
GHA0350	N	N	1,500	N	>50.0	2,000	200	N	30	N	50

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
LCH0189	150	.15	.10	200	150	10	300	N	N	1.000
RLT0179	150	1.00	.50	700	300	50	1,000	N	100	2.000
RLT0188	100	2.00	1.00	1,500	700	100	1,500	50	150	>2.000
RLT0173	150	.50	.50	1,500	700	70	1,500	20	150	>2.000
GHA0339	150	5.00	.50	N	70	30	500	N	<50	>2.000
GHA0269	200	3.00	.50	70	70	30	700	N	N	2.000
RLT0212	150	.20	.70	100	50	50	700	N	N	>2.000
RLT0194	100	1.50	.50	500	500	50	>2,000	N	100	>2.000
ELM0210	150	.70	.50	500	100	30	1,500	N	N	2.000
ELM0236	100	1.00	1.00	50	30	30	500	N	N	1.500
ELM0265	200	1.00	1.50	70	50	50	700	N	N	2.000
RLT0221	150	3.00	3.00	N	30	70	300	N	N	>2.000
RLT0164	150	.50	.50	700	500	30	1,000	N	50	2.000
GHA0362	150	.70	.70	100	50	20	700	N	N	2.000
ELM0222	150	1.00	.70	700	70	20	1,500	N	N	1.000
GHA0316	100	.50	.70	150	30	20	500	N	N	2.000
LCH0186	100	.30	.30	500	200	30	700	N	70	2.000
GHA0239	150	2.00	.50	N	20	20	300	N	N	1.500
ELM0278	300	.50	.50	70	100	30	2,000	N	50	2.000
ELM0292	150	1.50	1.00	100	30	20	300	N	N	1.500
ELM0280	200	.20	.20	N	20	20	700	N	<50	2.000
GHA0356	150	1.50	.50	50	30	20	500	N	N	2.000
GHA0319	200	2.00	2.00	N	20	30	150	N	N	.700
ELM0271	200	.20	.10	100	100	20	1,000	N	<50	1.500
ELM0206	70	.50	.30	300	100	30	2,000	N	<50	2.000
ELM0310	150	3.00	2.00	N	20	30	700	N	N	1.000
ELM0248	150	3.00	1.50	200	200	30	1,500	N	N	2.000
ELM0228	100	1.00	.50	100	70	30	700	N	N	2.000
ELM0282	100	2.00	.70	100	100	50	2,000	N	150	2.000
ELM0296	150	2.00	.70	100	30	30	200	N	N	1.000
GHA0342	100	3.00	.50	100	50	30	500	N	N	.700
ELM0244	150	.50	.50	100	20	30	700	N	N	2.000
GHA0245	500	1.50	.50	70	30	50	700	N	N	>2.000
GHA0344	700	7.00	5.00	200	30	70	500	N	N	1.500
GHA0307	200	2.00	1.50	150	100	50	1,000	N	N	>2.000
RLT0007	150	1.00	.50	700	150	30	700	N	N	2.000
RLT0048	300	5.00	2.00	200	70	50	700	N	<50	1.500
RLT0224	150	1.00	1.50	100	70	50	700	N	N	>2.000
LCH0219	300	1.00	2.00	300	150	50	700	N	50	>2.000
RLT0209	200	.70	1.50	50	50	50	500	N	N	>2.000
GHA0347	500	7.00	5.00	200	50	70	500	N	N	1.500
LCH0216	300	2.00	2.00	100	150	50	500	N	N	>2.000
RLT0218	100	2.00	1.50	150	50	30	300	N	N	2.000
RLT0215	150	1.00	1.50	100	50	50	500	N	<50	>2.000
GHA0350	200	.50	1.00	100	20	50	200	N	N	>2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
GHA0294	30 43 50	110 18 25	150	N	200	700	N	100	N	N	N
GHA0285	30 39 1	110 14 30	150	15	300	500	N	100	N	N	N
RLT0176	30 49 45	109 58 18	150	10	200	N	N	70	N	N	N
LCH0207	30 47 4	110 3 47	200	10	200	N	N	70	N	N	N
GHA0359	30 41 45	110 20 10	150	10	150	N	N	70	N	N	N
GHA0353	30 42 34	110 22 17	100	N	300	700	N	70	N	N	N
LCH0174	30 48 56	110 5 50	150	N	150	N	N	70	N	N	N
RLT0197	30 47 18	109 53 31	50	N	70	N	N	70	N	N	N
RLT0182	30 46 50	110 0 12	150	15	500	700	N	70	N	N	N
LCH0120	31 8 40	111 10 12	70	15	150	500	N	50	N	N	N
RLT0206	30 44 54	110 2 24	100	N	70	500	N	70	N	N	N
JGF0266	31 16 29	110 25 6	150	N	20	500	N	70	N	N	N
MEH0267	31 3 19	110 30 31	150	N	30	500	N	70	N	N	N
JGF0260	31 15 22	110 26 46	100	N	100	500	N	70	N	N	N
LCH0165	30 52 8	110 8 8	200	N	200	700	N	100	N	N	N
LCH0213	30 38 15	109 56 58	200	N	50	1,000	N	100	N	N	N
JGF0333	31 6 17	110 18 52	100	N	200	1,000	N	50	N	N	N
MEH0326	30 58 10	110 28 44	70	10	200	N	N	50	N	N	N
JGF0346	31 12 8	110 24 30	70	15	20	N	N	30	N	N	N
RLT0185	30 45 47	110 0 5	150	<10	N	N	N	70	N	N	N
RLT0149	30 55 53	110 4 47	70	N	200	700	N	30	N	N	N
GHA0260	30 50 14	110 25 34	200	N	70	N	N	100	N	N	N
LCH0198	30 40 3	109 52 15	200	N	200	N	N	200	N	N	N
GHA0288	30 41 39	110 17 26	100	N	200	N	N	70	N	N	N
JGF0263	31 15 46	110 24 26	100	N	70	N	N	70	N	N	N
GHA0271	30 50 27	110 17 36	200	N	700	500	N	100	N	N	N
GHA0301	30 40 27	110 15 38	150	N	70	500	N	100	N	N	N
MEH0349	31 12 7	110 24 25	200	N	N	N	N	70	N	N	N
LCH0195	30 44 10	109 54 12	70	N	150	500	N	100	N	N	N
GHA0279	30 36 13	110 13 37	200	10	500	N	N	150	N	N	N
JGF0294	31 8 37	110 17 18	50	N	200	500	N	30	N	N	N
GHA0263	30 49 6	110 21 53	200	15	1,000	2,000	N	100	N	N	N
MEH0293	31 2 37	110 26 6	2,000	100	200	500	N	200	5.0	N	N
JGF0273	31 2 26	110 17 45	150	N	100	N	N	50	N	N	N
MEH0338	30 56 1	110 26 12	700	15	150	1,000	N	50	2.0	N	N
JGF0302	31 0 40	110 21 53	100	<10	20	N	N	20	N	N	N
LCH0016	31 15 46	111 30 22	200	10	500	N	N	100	N	N	N
RLT0003	31 15 36	111 30 42	700	50	300	N	N	200	N	N	N
MEH0027	31 15 4	111 30 27	300	20	500	N	N	100	N	N	N
JGF0102	31 1 29	111 24 22	500	70	300	N	N	200	N	N	N
LCH0063	31 13 53	111 19 14	100	10	500	700	N	50	N	N	N
ELM0142	30 54 52	110 51 7	50	10	150	1,500	N	30	N	N	N
LCH0125	31 8 27	111 8 3	150	20	150	N	N	30	N	N	N
GHA0114	31 14 56	111 5 10	20	10	50	N	N	70	N	N	N
LCH0020	31 12 50	111 30 36	150	15	500	700	N	50	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
GHA0294	N	N	1,000	N	50.0	3,000	500	N	30	2	100
GHA0285	N	N	500	N	30.0	7,000	1,500	N	100	3	70
RLT0176	N	N	500	N	30.0	7,000	1,500	N	200	10	20
LCH0207	N	N	700	N	30.0	10,000	2,000	N	50	3	100
GHA0359	N	N	700	N	30.0	5,000	1,500	200	70	3	70
GHA0353	N	N	1,000	N	>50.0	3,000	1,500	N	50	2	50
LCH0174	N	N	1,500	N	50.0	3,000	500	N	20	N	70
RLT0197	N	N	500	N	30.0	7,000	500	N	20	3	50
RLT0182	N	N	500	N	30.0	10,000	1,500	N	300	5	70
LCH0120	N	N	500	N	50.0	10,000	3,000	200	30	3	50
RLT0206	N	N	700	N	50.0	5,000	1,500	N	30	2	50
JGF0266	N	N	700	N	30.0	3,000	500	200	20	N	100
MEH0267	N	N	1,000	N	50.0	5,000	200	N	20	N	50
JGF0260	N	N	700	N	50.0	5,000	500	200	20	N	100
LCH0165	N	N	700	N	50.0	5,000	1,000	300	30	N	100
LCH0213	N	N	700	N	50.0	5,000	700	N	20	N	70
JGF0333	N	N	700	N	>50.0	2,000	300	N	20	3	50
MEH0326	N	N	200	N	30.0	2,000	100	N	500	2	20
JGF0346	N	N	300	N	10.0	1,000	1,500	2,000	30	2	50
RLT0185	N	N	500	N	20.0	2,000	300	200	20	N	100
RLT0149	N	N	700	N	50.0	2,000	200	N	70	2	30
GHA0260	N	N	1,000	N	50.0	3,000	200	N	30	N	200
LCH0198	N	N	300	N	30.0	>10,000	300	N	20	15	30
GHA0288	N	N	700	N	50.0	2,000	300	N	30	N	50
JGF0263	N	N	1,000	N	30.0	5,000	200	100	20	N	150
GHA0271	N	30	700	N	30.0	7,000	1,500	N	20	3	150
GHA0301	N	N	700	N	50.0	7,000	1,000	N	20	2	100
MEH0349	N	N	500	N	20.0	2,000	500	300	N	N	150
LCH0195	N	N	500	N	30.0	>10,000	1,000	300	50	5	30
GHA0279	N	N	700	N	50.0	7,000	1,500	300	500	3	150
JGF0294	N	N	1,000	N	50.0	1,000	100	N	50	2	30
GHA0263	N	N	700	N	30.0	>10,000	1,500	300	70	3	50
MEH0293	N	N	500	100	50.0	10,000	500	N	100	3	70
JGF0273	N	N	1,000	N	50.0	2,000	500	200	150	2	50
MEH0338	N	N	200	100	20.0	7,000	150	N	100	N	20
JGF0302	N	N	200	N	7.0	700	1,000	300	50	N	50
LCH0016	N	N	700	N	50.0	2,000	500	N	200	2	70
RLT0003	N	N	700	<100	50.0	1,500	300	200	20	3	100
MEH0027	N	N	1,000	N	50.0	3,000	500	200	30	2	70
JGF0102	N	N	700	N	30.0	7,000	1,000	300	50	10	100
LCH0063	N	N	500	N	50.0	5,000	700	N	30	N	30
ELM0142	N	N	300	N	50.0	2,000	150	N	500	7	10
LCH0125	N	N	300	<100	50.0	7,000	1,000	N	150	7	10
GHA0114	N	N	500	N	20.0	5,000	1,000	N	50	N	200
LCH0020	N	N	1,000	<100	50.0	5,000	150	N	30	N	100

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0294	300	.70	1.00	150	50	30	700	N	N	2.000
GHA0285	200	1.00	1.00	200	50	30	300	N	N	1.500
RLT0176	200	1.00	.70	1,500	1,000	70	>2,000	30	150	>2.000
LCH0207	300	.70	1.00	100	70	30	1,500	N	<50	2.000
GHA0359	200	3.00	1.50	100	100	50	1,000	N	N	2.000
GHA0353	200	.50	.50	100	50	50	700	N	N	>2.000
LCH0174	200	.30	.50	N	20	30	500	N	N	>2.000
RLT0197	200	3.00	2.00	1,000	500	70	1,000	N	100	2.000
RLT0182	200	1.00	.50	500	300	50	1,000	N	100	2.000
LCH0120	150	1.00	1.00	100	70	50	500	N	<50	2.000
RLT0206	200	.50	1.00	300	150	50	500	N	N	2.000
JGF0266	200	5.00	5.00	150	50	70	500	N	N	2.000
MEH0267	200	2.00	1.50	700	200	50	1,000	N	70	2.000
JGF0260	200	3.00	3.00	500	70	50	700	N	N	>2.000
LCH0165	300	2.00	2.00	100	50	50	1,500	N	N	>2.000
LCH0213	200	.50	1.00	N	70	70	700	N	50	>2.000
JGF0333	150	.50	.30	200	70	50	500	N	<50	>2.000
MEH0326	20	1.00	.20	300	200	30	2,000	N	100	1.500
JGF0346	50	3.00	2.00	N	20	30	500	N	N	.700
RLT0185	200	3.00	3.00	70	70	50	300	N	N	1.500
RLT0149	150	.30	.20	300	50	20	700	N	100	2.000
GHA0260	2,000	2.00	5.00	70	20	50	700	N	N	2.000
LCH0198	70	1.00	.30	700	700	100	1,000	50	300	>2.000
GHA0288	100	.30	.50	70	30	30	700	N	N	2.000
JGF0263	200	3.00	3.00	500	70	50	300	N	N	2.000
GHA0271	300	.70	.70	50	50	30	500	N	N	2.000
GHA0301	150	.70	1.00	70	50	30	200	N	N	>2.000
MEH0349	200	5.00	5.00	100	50	50	150	N	N	1.500
LCH0195	100	3.00	1.00	1,000	500	150	700	N	150	>2.000
GHA0279	700	7.00	5.00	70	50	70	200	N	N	1.500
JGF0294	100	.20	.20	70	30	30	150	N	N	2.000
GHA0263	150	5.00	1.00	100	70	50	300	N	50	>2.000
MEH0293	50	1.00	.30	500	100	50	100	N	<50	2.000
JGF0273	200	3.00	1.00	200	70	50	300	N	N	2.000
MEH0338	20	10.00	.50	200	150	20	70	N	N	.700
JGF0302	50	2.00	1.50	N	N	20	150	N	N	.500
LCH0016	150	1.00	.20	2,000	150	20	200	N	N	2.000
RLT0003	150	2.00	1.00	>2,000	200	30	200	N	N	1.000
MEH0027	200	2.00	.30	2,000	300	30	300	N	N	1.000
JGF0102	150	5.00	1.50	300	150	50	200	N	N	2.000
LCH0063	100	.20	.20	70	50	20	200	30	50	2.000
ELM0142	30	.15	.20	70	100	30	500	N	50	>2.000
LCH0125	50	.10	.20	70	70	30	300	N	50	2.000
GHA0114	1,500	7.00	7.00	50	30	70	150	N	N	.700
LCH0020	700	.70	.30	500	50	50	100	N	N	>2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
GHA0145	31 17 39	111 2 11	50	30	700	N	N	20	N	N	N
LCH0107	31 7 48	111 17 10	300	100	3,000	1,500	N	70	N	N	N
GHA0120	31 14 45	111 2 53	70	10	200	500	N	70	N	N	N
RLT0091	31 10 2	111 13 3	500	70	3,000	3,000	N	50	1.0	N	N
GHA0142	31 17 36	111 2 27	200	70	1,500	1,000	N	50	N	N	N
RLT0085	31 9 50	111 14 23	1,500	200	10,000	5,000	<50	200	7.0	N	N
GHA0163	31 18 26	111 0 13	150	50	300	500	N	70	N	N	N
GHA0154	31 18 9	111 1 47	150	50	1,000	500	N	70	N	N	N
GHA0175	31 16 29	111 5 13	150	15	300	N	N	70	N	N	N
GHA0151	31 18 20	111 2 5	500	30	1,500	5,000	<50	200	2.0	N	N
RLT0076	31 8 33	111 15 49	500	500	3,000	3,000	<50	50	2.0	N	N
RLT0097	31 9 26	111 11 18	100	20	300	N	N	30	N	N	N
GHA0169	31 18 53	110 59 44	50	20	300	N	N	50	N	N	N
GHA0157	31 18 7	111 1 19	50	20	150	N	N	50	N	N	N
GHA0139	31 17 26	110 58 12	150	30	500	700	N	50	N	N	N
GHA0160	31 18 51	111 0 55	1,500	150	700	2,000	N	150	3.0	N	N
LCH0252	30 56 53	111 19 24	100	N	70	N	N	50	N	N	N
LCH0237	30 52 14	111 8 32	50	30	20	N	N	30	N	N	N
LCH0240	30 53 55	111 7 49	200	50	200	N	N	70	N	N	N
GHA0148	31 17 46	111 2 36	50	10	50	N	N	30	N	N	N
GHA0172	31 19 8	110 58 11	100	50	700	1,500	N	50	N	N	N
LCH0246	30 54 7	111 9 53	700	70	1,000	1,000	N	150	N	N	N
ELM0353	30 59 40	110 35 29	200	10	500	700	N	100	N	N	N
LCH0255	30 58 3	111 19 33	500	50	1,500	700	N	70	N	N	N
RLT0002	31 14 7	111 28 38	500	30	300	N	N	100	N	N	N
ELM0334	30 53 10	110 37 56	70	10	200	1,000	N	50	N	N	N
ELM0257	30 43 37	110 13 55	100	15	200	N	N	50	N	N	N
LCH0251	30 56 53	111 19 24	50	10	50	N	<50	30	N	N	N
LCH0234	30 54 28	111 12 9	200	50	150	N	N	70	N	N	N
LCH0249	31 16 39	111 19 35	100	N	200	N	N	50	N	N	N
ELM0337	30 54 1	110 37 4	30	N	100	700	N	50	N	N	N
ELM0323	30 50 35	110 49 4	30	N	100	700	N	15	N	N	N
RLT0243	31 0 57	111 1 28	200	70	300	700	N	70	N	N	N
ELM0347	31 9 15	110 56 54	100	15	200	N	N	70	N	N	N
LCH0028	31 6 29	111 32 34	2,000	200	1,500	1,500	100	150	10.0	N	N
LCH0022	31 12 13	111 30 3	700	70	700	N	N	100	1.0	N	N
ELM0332	30 52 52	110 38 21	50	N	100	500	N	20	N	N	N
ELM0317	30 51 35	110 49 25	50	N	200	700	N	10	N	N	N
ELM0315	30 54 7	110 50 12	50	N	150	1,000	N	15	N	N	N
MEH0253	30 56 56	110 59 18	50	10	100	N	N	30	N	N	N
MEH0258	30 57 40	111 0 32	70	<10	70	500	N	20	N	N	N
ELM0299	30 52 25	110 8 48	150	15	100	N	N	50	N	N	N
MEH0243	30 54 34	110 57 32	200	30	50	N	N	30	N	N	N
GHA0215	31 14 53	111 7 3	30	20	70	N	N	50	N	N	N
GHA0233	31 17 24	111 8 56	30	N	150	N	N	20	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
GHA0145	N	N	300	N	30.0	5,000	500	N	700	2	10
LCH0107	N	N	500	N	30.0	>10,000	1,500	200	700	5	20
GHA0120	N	N	1,000	N	50.0	5,000	1,000	N	20	N	100
RLT0091	N	30	200	100	30.0	>10,000	1,500	200	3,000	15	10
GHA0142	N	N	300	N	50.0	10,000	2,000	N	70	15	10
RLT0085	N	50	200	500	>50.0	>10,000	5,000	1,000	100	30	N
GHA0163	N	N	500	N	30.0	10,000	1,500	200	200	10	150
GHA0154	N	N	300	N	50.0	10,000	1,500	N	150	7	30
GHA0175	N	N	500	N	50.0	7,000	1,500	N	150	7	100
GHA0151	N	N	300	N	50.0	>10,000	10,000	300	70	15	70
RLT0076	N	50	100	N	20.0	5,000	300	N	500	7	20
RLT0097	N	N	300	N	30.0	7,000	1,000	N	2,000	5	10
GHA0169	N	N	500	N	30.0	7,000	1,000	200	300	3	200
GHA0157	N	N	500	N	30.0	7,000	1,500	200	20	2	150
GHA0139	N	N	300	N	30.0	7,000	1,500	N	700	20	50
GHA0160	N	N	300	N	50.0	>10,000	2,000	N	100	5	50
LCH0252	N	N	700	N	30.0	5,000	300	200	200	N	100
LCH0237	N	N	500	N	50.0	7,000	50	N	150	N	15
LCH0240	N	N	500	N	50.0	>10,000	300	200	5,000	3	15
GHA0148	N	N	300	N	15.0	2,000	1,500	300	150	2	70
GHA0172	N	20	300	N	30.0	>10,000	2,000	N	1,000	10	30
LCH0246	N	30	300	N	50.0	>10,000	500	500	1,500	7	20
ELM0353	N	N	1,000	N	50.0	7,000	500	200	700	3	70
LCH0255	N	N	500	N	30.0	>10,000	2,000	300	500	7	50
RLT0002	N	N	500	N	50.0	2,000	300	200	20	5	70
ELM0334	N	N	500	N	>50.0	3,000	200	N	30	5	20
ELM0257	N	N	700	N	50.0	5,000	300	300	500	3	20
LCH0251	N	N	300	N	30.0	>10,000	100	200	200	N	30
LCH0234	N	N	300	<100	50.0	>10,000	700	200	500	3	20
LCH0249	N	N	300	N	30.0	>10,000	300	200	300	N	70
ELM0337	N	N	300	N	50.0	3,000	700	200	100	5	20
ELM0323	N	N	300	N	50.0	2,000	200	N	70	3	10
RLT0243	N	30	300	100	30.0	>10,000	200	200	2,000	5	15
ELM0347	200	N	500	N	50.0	7,000	1,000	N	700	15	50
LCH0028	N	150	500	500	>50.0	1,000	500	N	30	20	100
LCH0022	N	N	500	N	50.0	3,000	150	500	20	3	70
ELM0332	N	N	300	N	30.0	1,000	150	N	50	2	15
ELM0317	N	N	300	N	50.0	3,000	700	200	500	3	10
ELM0315	N	N	300	N	30.0	3,000	100	N	150	3	10
MEH0253	N	N	300	100	20.0	10,000	1,500	300	1,000	5	10
MEH0258	N	N	300	N	30.0	3,000	200	N	700	N	15
ELM0299	N	N	700	N	30.0	7,000	2,000	200	200	2	50
MEH0243	N	30	300	N	15.0	10,000	200	500	1,500	3	15
GHA0215	N	N	700	N	50.0	3,000	150	N	20	2	50
GHA0233	N	N	500	N	30.0	1,000	100	N	20	3	10

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0145	20	.10	.15	300	100	30	700	100	70	1.500
LCH0107	150	5.00	.70	300	150	50	700	N	50	1.000
GHA0120	300	1.00	1.00	150	70	30	500	N	<50	2.000
RLT0091	100	.70	.70	150	70	20	500	N	<50	1.000
GHA0142	100	.20	.50	200	100	30	700	N	70	1.500
RLT0085	30	1.00	.30	500	200	20	500	N	50	.700
GHA0163	500	5.00	5.00	150	100	100	500	N	70	1.500
GHA0154	150	1.00	1.00	200	150	50	700	N	100	1.500
GHA0175	500	2.00	2.00	150	150	30	500	N	100	2.000
GHA0151	20	.20	.50	150	100	50	500	N	50	1.500
RLT0076	70	.20	1.00	100	70	10	150	N	N	.300
RLT0097	20	.15	.50	200	150	30	500	N	50	1.500
GHA0169	500	5.00	3.00	100	100	70	500	N	70	1.500
GHA0157	300	3.00	3.00	70	70	70	500	N	50	1.500
GHA0139	150	1.00	1.50	300	200	70	500	N	150	1.500
GHA0160	100	.15	.20	100	150	30	700	N	70	1.500
LCH0252	200	3.00	1.00	300	150	30	500	N	<50	2.000
LCH0237	30	.15	.15	N	200	50	200	N	50	1.500
LCH0240	50	3.00	1.00	700	700	70	1,000	N	200	>2.000
GHA0148	100	1.00	2.00	50	50	20	300	N	50	1.000
GHA0172	20	.50	.20	100	200	50	1,000	30	100	2.000
LCH0246	70	5.00	.50	700	500	100	1,000	50	100	1.500
ELM0353	150	5.00	1.50	700	200	70	500	N	50	>2.000
LCH0255	150	3.00	.50	700	300	50	200	N	150	1.500
RLT0002	150	3.00	1.00	>2,000	200	50	500	N	50	1.000
ELM0334	100	.50	.30	200	150	30	500	N	70	>2.000
ELM0257	150	3.00	.70	500	150	50	500	N	70	>2.000
LCH0251	200	2.00	.50	500	500	50	200	N	200	1.000
LCH0234	100	3.00	.50	500	200	50	300	N	70	1.500
LCH0249	150	3.00	1.00	1,500	>1,000	50	200	N	300	1.500
ELM0337	100	1.00	.30	150	150	30	500	N	50	2.000
ELM0323	30	.20	.20	200	100	30	500	N	50	2.000
RLT0243	50	3.00	.70	1,000	500	50	300	N	150	1.000
ELM0347	100	.70	.70	1,000	1,000	70	>2,000	N	70	>2.000
LCH0028	100	.50	.20	2,000	150	10	300	N	N	.500
LCH0022	150	3.00	.70	2,000	150	50	300	N	N	1.500
ELM0332	70	.20	.20	100	50	30	300	N	50	1.500
ELM0317	30	.70	.30	500	200	50	500	N	70	>2.000
ELM0315	20	.50	.15	100	100	30	500	N	50	1.500
MEH0253	50	3.00	.50	500	150	50	500	N	50	1.500
MEH0258	<20	.50	.20	>2,000	150	50	100	N	<50	>2.000
ELM0299	200	2.00	1.00	300	150	50	300	30	50	>2.000
MEH0243	50	5.00	1.00	500	150	50	200	20	N	1.000
GHA0215	200	1.00	1.00	200	70	30	300	20	<50	2.000
GHA0233	50	.20	.15	150	70	15	200	20	<50	1.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
GHA0234	31 17 24	111 8 56	50	20	200	N	N	30	N	N	N
MEH0255	30 57 8	110 59 31	50	<10	70	N	N	20	N	N	N
GHA0186	31 12 58	111 9 31	300	20	500	500	N	100	N	N	N
MEH0263	30 58 49	111 0 11	50	<10	70	N	N	15	N	N	N
GHA0236	31 17 32	111 9 7	50	<10	70	N	N	30	N	N	N
MEH0249	30 56 28	110 59 44	150	20	50	N	N	70	N	N	N
MEH0233	30 51 10	110 54 29	70	10	100	N	N	20	N	N	N
MEH0245	30 54 26	110 57 12	30	10	70	N	N	20	N	N	N
MEH0239	30 55 25	110 58 17	100	15	200	N	N	50	N	N	N
GHA0224	31 14 59	111 7 38	300	30	1,500	5,000	50	70	N	N	N
MEH0230	30 51 0	110 54 33	70	10	50	N	N	15	N	N	N
MEH0209	31 3 44	110 38 35	150	<10	150	N	N	100	N	N	N
MEH0158	31 17 11	110 47 47	1,000	70	150	700	N	200	1.0	N	N
MEH0169	31 7 16	110 41 7	100	10	100	N	N	70	N	N	N
MEH0199	31 10 39	110 42 25	700	70	300	500	N	100	N	N	N
MEH0225	30 52 46	110 56 20	100	10	70	N	N	20	N	N	N
MEH0192	31 14 11	110 45 47	300	15	100	N	N	100	N	N	N
MEH0149	31 15 16	110 49 15	200	N	50	1,000	N	100	N	N	N
GHA0111	31 14 41	111 5 25	30	N	70	1,000	N	70	N	N	N
MEH0194	31 13 45	110 45 37	200	15	100	N	N	50	N	N	N
MEH0185	31 8 17	110 36 49	150	10	70	N	N	70	N	N	N
MEH0211	31 3 46	110 39 1	200	10	100	1,500	N	70	1.0	N	N
JGF0129	31 18 40	110 39 57	700	50	70	N	N	150	3.0	N	N
MEH0205	31 5 7	110 38 50	500	15	50	N	N	300	N	N	N
JGF0123	31 18 40	110 39 38	300	20	100	500	N	200	N	N	N
MEH0220	31 2 9	110 37 49	300	20	5,000	500	N	200	N	N	N
MEH0162	31 17 27	110 48 10	500	20	200	N	N	200	1.5	N	N
LCH0083	31 9 33	111 15 1	200	30	300	1,000	N	50	N	N	N
JGF0167	31 11 27	110 36 8	50	<10	300	500	N	30	N	N	N
MEH0152	31 15 47	110 46 42	30	N	150	1,500	N	50	N	N	N
JGF0202	31 14 51	110 35 19	200	N	70	1,000	N	70	N	N	N
MEH0196	31 10 11	110 43 10	500	10	150	1,000	N	100	N	N	N
JGF0162	31 12 29	110 35 28	150	<10	1,000	3,000	N	70	N	N	N
MEH0165	31 8 0	110 38 37	70	<10	30	N	N	70	N	N	N
MEH0216	31 2 22	110 36 50	100	10	50	N	N	70	N	N	N
MEH0190	31 15 31	110 46 50	700	30	150	N	N	200	N	N	N
GHA0117	31 15 36	111 5 18	150	10	70	700	N	50	N	N	N
GHA0212	31 11 21	111 6 7	150	10	200	500	N	50	N	N	N
GHA0187	31 12 58	111 9 31	100	N	300	500	N	50	N	N	N
JGF0286	31 8 11	110 15 17	30	<10	200	500	N	50	N	N	N
ELM0165	31 15 8	110 56 46	30	10	50	N	N	50	N	N	N
GHA0206	31 12 17	111 7 34	70	10	150	1,000	N	50	N	N	N
GHA0194	31 12 33	111 8 50	30	20	200	700	N	50	N	N	N
GHA0197	31 12 14	111 8 48	200	70	2,000	500	N	200	N	N	N
ELM0174	31 12 29	110 58 1	200	15	70	500	N	50	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
GHA0234	N	N	500	N	30.0	2,000	300	N	70	3	20
MEH0255	N	N	200	N	15.0	5,000	700	300	500	3	10
GHA0186	N	N	300	<100	30.0	7,000	700	N	5,000	7	15
MEH0263	N	N	150	N	10.0	2,000	700	200	1,500	5	10
GHA0236	N	N	300	N	15.0	2,000	1,500	N	50	2	10
MEH0249	N	N	300	100	15.0	5,000	1,000	500	5,000	3	10
MEH0233	N	N	200	<100	15.0	10,000	500	300	2,000	3	10
MEH0245	N	20	300	N	10.0	2,000	200	700	200	2	20
MEH0239	N	20	300	<100	20.0	10,000	700	200	500	3	20
GHA0224	200	N	300	N	30.0	>10,000	3,000	200	50	10	15
MEH0230	N	N	300	N	20.0	10,000	200	200	1,000	N	15
MEH0209	N	N	300	N	20.0	7,000	300	N	500	3	30
MEH0158	N	30	300	150	30.0	10,000	200	<200	200	10	70
MEH0169	N	N	300	N	30.0	3,000	100	N	300	5	20
MEH0199	N	N	500	100	50.0	3,000	500	N	70	7	50
MEH0225	N	N	300	100	30.0	>10,000	1,000	200	1,500	3	15
MEH0192	N	N	500	N	30.0	3,000	300	300	150	5	50
MEH0149	N	N	700	N	50.0	7,000	1,500	N	20	N	200
GHA0111	N	N	1,000	N	50.0	3,000	200	N	30	N	50
MEH0194	N	N	500	N	50.0	5,000	200	200	30	3	20
MEH0185	N	N	500	N	30.0	3,000	300	N	200	2	30
MEH0211	N	N	1,000	N	50.0	7,000	500	N	200	5	50
JGF0129	N	N	500	N	20.0	3,000	100	N	20	3	50
MEH0205	N	N	500	N	30.0	7,000	700	200	300	3	70
JGF0123	N	N	500	N	30.0	10,000	500	N	20	7	70
MEH0220	N	N	700	100	30.0	>10,000	3,000	500	1,000	5	50
MEH0162	N	N	500	<100	20.0	5,000	150	300	50	2	150
LCH0083	N	N	500	N	50.0	7,000	700	200	700	5	30
JGF0167	N	N	500	N	30.0	5,000	1,000	N	500	5	30
MEH0152	N	N	700	N	>50.0	5,000	500	N	50	5	20
JGF0202	N	N	700	N	50.0	7,000	1,500	200	30	N	150
MEH0196	N	N	700	N	50.0	10,000	1,500	200	70	7	100
JGF0162	N	N	1,000	N	>50.0	>10,000	700	N	70	10	50
MEH0165	N	N	300	N	15.0	3,000	200	N	50	N	50
MEH0216	N	N	500	N	20.0	3,000	200	N	200	2	50
MEH0190	N	N	300	100	30.0	10,000	200	200	30	3	50
GHA0117	N	N	700	N	50.0	3,000	200	N	30	2	30
GHA0212	N	N	300	N	30.0	10,000	1,500	N	100	7	10
GHA0187	N	N	700	N	50.0	7,000	1,000	200	100	3	30
JGF0286	N	N	1,500	N	50.0	1,500	150	N	100	3	30
ELM0165	N	N	300	N	50.0	3,000	500	N	2,000	7	100
GHA0206	N	N	300	N	50.0	5,000	1,000	N	50	5	N
GHA0194	N	N	500	N	>50.0	5,000	500	N	50	2	15
GHA0197	N	N	300	N	30.0	>10,000	5,000	500	200	7	100
ELM0174	N	N	300	N	50.0	2,000	200	N	700	10	10

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0234	100	.20	.70	150	70	30	300	30	50	2.000
MEH0255	30	3.00	.50	300	150	50	1,000	N	N	1.000
GHA0186	30	.30	.70	300	150	30	700	20	70	2.000
MEH0263	30	1.00	.70	200	200	30	1,500	N	50	1.500
GHA0236	20	.50	.30	100	70	20	500	N	N	1.000
MEH0249	<20	5.00	1.00	700	150	50	200	N	50	1.000
MEH0233	30	3.00	.70	300	150	30	500	N	<50	1.000
MEH0245	20	5.00	.30	1,000	200	50	150	N	50	1.000
MEH0239	70	2.00	.50	700	200	30	500	N	70	1.500
GHA0224	70	.30	.30	150	100	20	300	N	50	1.500
MEH0230	20	3.00	1.00	500	200	50	300	N	N	1.000
MEH0209	70	2.00	1.50	700	150	50	700	N	50	>2.000
MEH0158	100	3.00	2.00	700	200	50	700	N	70	>2.000
MEH0169	100	.70	.20	700	300	50	1,000	20	50	>2.000
MEH0199	200	.30	.20	300	150	30	2,000	N	70	2.000
MEH0225	70	3.00	.50	200	150	30	300	N	50	1.500
MEH0192	150	7.00	.30	700	300	30	500	20	70	>2.000
MEH0149	700	.70	1.00	700	70	30	700	50	N	2.000
GHA0111	150	.30	.50	200	30	30	200	N	N	>2.000
MEH0194	150	7.00	.50	500	300	50	500	50	150	>2.000
MEH0185	100	5.00	1.50	700	300	50	700	20	50	>2.000
MEH0211	300	.50	.50	300	100	50	300	N	70	>2.000
JGF0129	70	5.00	5.00	500	200	70	700	N	N	1.000
MEH0205	70	5.00	1.50	1,500	300	70	500	N	70	>2.000
JGF0123	100	1.50	1.00	1,500	300	70	2,000	30	100	>2.000
MEH0220	100	3.00	.50	700	150	50	200	N	N	>2.000
MEH0162	150	5.00	5.00	700	200	50	100	N	<50	2.000
LCH0083	100	1.50	.30	700	150	50	300	N	70	>2.000
JGF0167	200	1.00	1.00	100	70	30	300	N	<50	2.000
MEH0152	150	.20	.20	150	70	50	500	N	50	>2.000
JGF0202	300	3.00	5.00	200	100	70	300	N	N	>2.000
MEH0196	500	2.00	1.00	700	500	70	1,000	N	50	>2.000
JGF0162	200	.10	.70	200	150	70	500	N	100	>2.000
MEH0165	100	5.00	3.00	500	150	70	1,000	N	50	2.000
MEH0216	100	5.00	5.00	1,500	200	100	500	N	50	>2.000
MEH0190	100	3.00	.30	700	200	30	500	30	100	>2.000
GHA0117	150	.20	.30	150	100	30	300	20	70	>2.000
GHA0212	70	.50	.50	300	150	50	500	N	70	2.000
GHA0187	100	.70	.50	200	70	30	200	N	50	2.000
JGF0286	100	.30	.20	100	50	50	200	N	50	>2.000
ELM0165	500	3.00	2.00	500	100	70	300	N	<50	2.000
GHA0206	150	.15	.20	300	150	50	500	20	100	>2.000
GHA0194	70	.10	.20	150	100	30	500	50	70	>2.000
GHA0197	100	.20	.50	150	150	30	500	N	70	2.000
ELM0174	30	.15	.20	300	150	30	500	50	150	2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
GHA0186	31 12 58	111 9 31	70	10	200	500	N	50	N	N	N
RLT0124	31 4 0	111 5 28	500	70	1,000	500	N	50	N	N	N
LCH0153	31 7 42	111 7 22	500	70	500	1,000	N	70	N	N	N
ELM0162	31 15 18	110 56 20	200	20	200	N	N	70	N	N	N
RLT0115	31 4 50	111 4 45	700	70	200	N	N	100	N	N	N
ELM0154	31 18 25	110 50 37	150	N	50	700	N	70	N	N	N
ELM0171	31 12 36	110 58 3	150	30	150	N	N	50	N	N	N
GHA0190	31 13 1	111 9 21	200	<10	700	500	N	70	N	N	N
ELM0168	31 13 50	110 57 58	100	50	100	N	N	50	N	N	N
RLT0106	31 5 7	111 4 37	300	30	200	N	N	70	1.0	N	N
LCH0150	31 7 57	111 8 6	300	100	2,000	5,000	N	100	N	N	1,000
RLT0121	31 6 36	111 6 4	500	30	500	1,500	N	50	N	N	N
GHA0181	31 10 41	111 10 40	500	20	1,000	1,000	N	50	N	N	N
RLT0127	31 3 55	111 5 12	70	N	300	N	N	30	N	N	N
GHA0209	31 11 35	111 6 2	150	10	200	500	N	50	N	N	N
LCH0156	31 7 24	111 6 45	100	10	300	500	N	50	N	N	N
GHA0203	31 12 35	111 7 34	50	<10	70	500	N	50	N	N	N
GHA0227	31 15 23	111 7 19	30	15	100	500	N	30	N	N	N
RLT0112	31 4 34	111 4 2	100	20	70	500	N	50	N	N	N
LCH0147	31 8 4	111 8 27	200	20	500	700	N	50	N	N	N
RLT0130	31 4 11	111 5 34	1,000	70	700	500	N	100	N	N	N
JGF0223	31 13 59	111 0 2	150	15	70	N	N	150	N	N	N
ELM0157	31 18 38	110 52 20	200	<10	50	1,500	N	70	N	N	N
ELM0184	31 10 42	111 15 3	70	<10	150	700	N	50	N	N	N
ELM0160	31 18 36	110 53 3	200	N	100	700	N	70	N	N	N
JGF0214	31 13 37	110 58 20	100	10	150	500	N	100	N	N	N
RLT0109	31 4 41	111 4 2	200	10	300	N	N	50	N	N	N
ELM0177	31 10 41	110 58 24	300	50	200	N	N	70	N	N	N
MEH0236	30 55 16	110 58 52	70	30	70	N	N	30	N	N	N
JGF0239	31 10 12	111 3 59	100	10	100	N	N	150	1.5	N	N
MEH0399	30 33 35	110 2 12	70	15	50	N	N	50	N	N	N
ELM0189	30 58 47	110 4 25	30	N	100	500	N	50	N	N	N
RLT0118	31 6 22	111 5 49	1,000	50	1,000	1,000	N	50	N	N	N
GHA0230	31 17 56	111 9 36	150	10	200	N	N	70	N	N	N
JGF0242	31 10 10	111 2 50	50	10	700	1,000	N	30	N	N	N
MEH0380	30 52 25	110 25 2	150	<10	300	N	N	50	N	N	N
MEH0364	30 57 1	110 26 52	30	10	70	N	N	30	N	N	N
GHA0248	30 52 40	110 18 3	300	10	150	700	N	50	1.5	N	N
MEH0372	30 54 1	110 24 55	200	15	700	700	N	70	1.0	N	N
MEH0370	30 54 30	110 26 54	70	N	70	500	N	50	N	N	N
ELM0136	30 54 59	110 49 58	100	15	70	N	N	20	N	N	N
ELM0144	31 0 9	110 53 5	150	30	200	N	N	150	N	N	N
LCH0074	31 10 19	111 13 8	300	50	3,000	2,000	<50	70	2.0	N	N
ELM0139	30 54 36	110 52 50	100	<10	500	N	N	15	N	N	N
GHA0138	31 17 26	110 58 12	100	10	100	500	N	30	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
GHA0186	<200	N	500	N	30.0	7,000	1,500	200	100	2	30
RLT0124	N	20	200	N	30.0	5,000	700	200	5,000	7	10
LCH0153	N	20	200	N	30.0	>10,000	1,500	200	5,000	10	20
ELM0162	N	N	300	N	50.0	7,000	1,500	200	5,000	10	150
RLT0115	N	N	200	100	30.0	7,000	1,000	200	>5,000	10	20
ELM0154	N	N	500	N	50.0	5,000	500	N	150	N	150
ELM0171	N	N	200	N	20.0	5,000	1,500	200	>5,000	10	50
GHA0190	N	N	500	N	50.0	>10,000	2,000	200	100	7	20
ELM0168	<200	N	300	100	50.0	7,000	1,500	N	>5,000	20	15
RLT0106	N	N	200	N	30.0	5,000	700	N	5,000	10	15
LCH0150	N	N	200	100	50.0	>10,000	3,000	500	700	20	50
RLT0121	N	N	300	N	50.0	10,000	1,500	N	3,000	15	10
GHA0181	N	20	300	N	50.0	>10,000	3,000	N	100	15	30
RLT0127	N	N	300	N	50.0	3,000	300	N	1,000	7	20
GHA0209	N	N	300	N	50.0	7,000	2,000	N	300	7	20
LCH0156	N	N	200	N	30.0	5,000	700	N	1,500	7	10
GHA0203	N	N	500	N	50.0	3,000	150	N	30	2	50
GHA0227	N	N	500	N	50.0	3,000	150	N	20	2	20
RLT0112	N	N	300	N	30.0	3,000	200	N	1,000	5	10
LCH0147	N	N	300	N	50.0	7,000	500	N	500	7	30
RLT0130	N	30	150	100	30.0	>10,000	1,500	500	>5,000	15	15
JGF0223	N	N	300	N	30.0	3,000	500	N	500	15	70
ELM0157	N	N	500	N	50.0	7,000	1,000	N	30	N	150
ELM0184	N	N	500	N	50.0	7,000	700	N	70	5	20
ELM0160	N	N	500	N	50.0	7,000	700	N	70	N	100
JGF0214	N	N	500	N	50.0	7,000	500	N	700	15	20
RLT0109	N	N	300	N	50.0	7,000	700	N	5,000	7	20
ELM0177	N	20	150	100	30.0	5,000	1,000	N	1,500	15	15
MEH0236	N	70	300	N	30.0	>10,000	100	300	2,000	7	10
JGF0239	N	N	200	N	50.0	2,000	500	N	700	10	20
MEH0399	N	N	300	N	15.0	1,500	1,500	500	100	3	70
ELM0189	N	N	500	N	50.0	2,000	700	N	30	3	30
RLT0118	200	N	300	N	50.0	>10,000	1,500	200	1,000	10	15
GHA0230	N	N	300	N	30.0	7,000	1,500	N	100	5	30
JGF0242	500	N	300	N	50.0	5,000	500	N	50	7	10
MEH0380	N	N	500	N	30.0	5,000	1,500	700	100	5	30
MEH0364	N	N	300	N	15.0	2,000	300	1,000	1,500	N	30
GHA0248	N	N	300	N	30.0	10,000	1,000	200	200	2	50
MEH0372	N	N	300	N	20.0	7,000	700	700	200	3	50
MEH0370	N	N	700	N	50.0	3,000	300	200	70	N	30
ELM0136	N	N	300	N	30.0	7,000	500	<200	500	3	10
ELM0144	<200	N	500	100	50.0	10,000	2,000	200	700	5	50
LCH0074	N	N	300	N	30.0	>10,000	2,000	500	100	7	30
ELM0139	N	N	200	<100	30.0	10,000	500	<200	1,000	3	10
GHA0138	200	N	300	N	30.0	5,000	500	N	200	5	10

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
GHA0186	100	.30	.20	150	70	30	500	N	70	2.000
RLT0124	30	.50	.70	500	100	50	500	N	50	1.000
LCH0153	50	.20	.70	150	70	30	300	N	N	1.000
ELM0162	300	3.00	3.00	300	150	70	500	30	70	2.000
RLT0115	20	.70	1.00	1,000	150	50	200	N	70	2.000
ELM0154	300	1.00	1.50	200	70	50	500	N	50	>2.000
ELM0171	100	2.00	2.00	700	200	50	500	50	N	1.000
GHA0190	100	.20	.50	200	150	30	700	N	<50	2.000
ELM0168	50	.30	1.50	200	100	50	500	N	N	1.500
RLT0106	30	.50	.50	200	200	50	500	N	100	2.000
LCH0150	50	.10	.30	200	100	20	500	N	50	1.500
RLT0121	50	.15	.50	500	150	50	500	N	50	2.000
GHA0181	100	.10	.20	200	150	30	500	N	50	1.500
RLT0127	100	1.50	.30	200	150	30	200	N	50	2.000
GHA0209	70	.30	.50	200	70	30	700	20	50	1.500
LCH0156	50	.20	.50	150	100	30	300	100	50	1.500
GHA0203	200	.20	.70	150	70	30	200	N	50	2.000
GHA0227	150	1.50	.30	100	70	30	500	50	70	2.000
RLT0112	200	.20	.30	300	150	30	500	N	100	2.000
LCH0147	100	.30	.50	300	150	30	700	N	70	2.000
RLT0130	50	1.00	1.00	1,000	200	50	500	N	50	1.000
JGF0223	100	2.00	1.00	>2,000	>2,000	50	500	20	70	2.000
ELM0157	500	.50	1.00	700	100	30	500	50	50	2.000
ELM0184	100	.15	.30	200	70	50	300	20	100	>2.000
ELM0160	200	.30	.50	700	150	30	300	20	50	2.000
JGF0214	150	.50	.50	500	200	50	500	50	100	>2.000
RLT0109	100	.50	.70	300	150	50	300	20	70	1.500
ELM0177	50	.70	.50	1,000	150	30	300	30	150	1.000
MEH0236	50	5.00	.50	500	300	70	300	N	150	1.000
JGF0239	20	.10	.30	700	500	50	500	20	50	2.000
MEH0399	200	5.00	2.00	N	20	30	70	N	N	.700
ELM0189	150	.20	.20	150	50	30	200	N	N	2.000
RLT0118	20	1.50	.30	300	150	50	500	N	50	2.000
GHA0230	150	1.00	.50	150	100	30	500	N	50	1.500
JGF0242	70	<.10	.10	300	150	30	700	N	70	>2.000
MEH0380	100	3.00	.70	150	50	30	300	N	N	1.500
MEH0364	70	5.00	2.00	500	100	70	300	N	N	1.000
GHA0248	150	7.00	.70	50	50	30	100	N	N	1.500
MEH0372	100	7.00	1.50	70	70	50	70	N	N	1.500
MEH0370	150	1.50	.50	50	50	30	200	N	N	>2.000
ELM0136	70	.70	.30	200	150	30	700	N	50	2.000
ELM0144	150	.50	1.00	300	200	30	700	20	70	2.000
LCH0074	70	5.00	1.00	300	200	50	300	N	N	.700
ELM0139	50	.70	.30	200	150	50	700	N	50	2.000
GHA0138	50	.20	.30	200	200	50	500	20	50	>2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
RLT0088	31 9 58	111 13 39	700	70	5,000	5,000	<50	100	2.0	N	N
RLT0094	31 10 4	111 12 27	500	50	2,000	1,500	N	100	2.0	N	N
LCH0071	31 10 24	111 12 27	150	20	300	500	N	100	N	N	N
LCH0141	31 6 19	111 5 24	300	50	2,000	700	N	100	N	N	N
ELM0098	31 4 46	110 52 7	200	30	700	1,000	N	100	N	N	N
RLT0061	31 6 26	111 15 17	100	N	150	N	N	70	N	N	N
LCH0113	31 8 15	111 9 25	700	100	1,500	700	N	100	N	N	N
RLT0082	31 9 34	111 14 44	500	70	7,000	3,000	50	70	5.0	N	N
LCH0131	31 8 4	111 7 0	150	10	300	N	N	70	N	N	N
LCH0122	31 8 31	111 9 6	150	20	300	N	N	70	N	N	N
RLT0067	31 6 36	111 15 7	200	50	1,500	N	N	70	N	N	N
LCH0092	31 8 43	111 16 25	500	50	2,000	1,000	N	100	N	N	N
LCH0119	31 8 40	111 10 12	100	10	30	N	N	50	N	N	N
RLT0070	31 7 5	111 15 27	700	100	7,000	3,000	<50	150	5.0	N	N
LCH0095	31 8 27	111 16 38	50	10	70	N	N	70	N	N	N
MEH0223	31 0 37	110 35 53	300	15	700	N	N	70	N	N	N
ELM0125	31 7 25	110 54 10	200	30	150	700	N	50	N	N	N
LCH0110	31 9 6	111 10 17	200	20	700	1,000	N	50	N	N	N
LCH0137	31 7 11	111 5 52	200	30	700	700	N	30	N	N	N
GHA0178	31 16 28	111 5 22	50	20	200	500	N	50	N	N	N
GHA0166	31 18 34	111 0 19	15	10	20	N	N	50	N	N	N
RLT0073	31 7 50	111 15 48	700	100	5,000	2,000	<50	100	2.0	N	N
LCH0134	31 7 39	111 6 25	300	50	500	500	N	70	N	N	N
RLT0064	31 6 27	111 15 4	500	70	2,000	N	N	70	N	N	N
LCH0101	31 7 41	111 17 54	200	30	300	N	N	50	N	N	N
GHA0129	31 16 12	110 59 35	200	30	700	N	N	100	N	N	N
JGF0199	31 12 16	110 34 58	150	N	70	N	N	70	N	N	N
JGF0141	31 17 25	110 37 33	500	<10	500	700	N	200	N	N	N
JGF0170	31 10 54	110 36 18	20	N	300	500	N	20	N	N	N
GHA0126	31 15 9	111 1 36	300	50	500	N	N	200	N	N	N
MEH0203	31 8 52	110 37 43	50	N	100	N	N	30	N	N	N
ELM0152	30 58 23	110 52 13	20	10	150	500	N	20	N	N	N
MEH0218	31 2 26	110 36 20	500	20	500	N	N	200	N	N	N
MEH0187	31 9 49	110 36 3	200	N	100	N	N	100	N	N	N
JGF0280	31 5 2	110 15 25	70	N	150	1,500	N	70	N	N	N
JGF0319	31 3 46	110 20 50	50	N	150	1,000	N	50	N	N	N
MEH0214	31 2 32	110 37 44	150	10	150	N	N	100	N	N	N
JGF0196	31 11 20	110 35 24	150	<10	150	700	N	70	N	N	N
JGF0131	31 18 45	110 40 4	2,000	100	100	N	N	150	2.0	N	N
LCH0159	31 7 0	111 6 23	150	<10	100	500	N	20	N	N	N
RLT0127	31 3 55	111 5 12	500	70	300	500	N	70	N	N	N
GHA0273	30 34 39	110 12 32	100	N	70	N	N	70	N	N	N
MEH0351	31 13 28	110 24 53	100	N	70	N	N	70	N	N	N
LCH0192	30 44 41	109 53 55	200	10	500	N	N	150	N	N	N
LCH0077	31 10 22	111 13 44	150	10	300	N	N	50	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
RLT0088	N	30	200	150	30.0	>10,000	2,000	1,000	1,000	20	15
RLT0094	N	50	300	100	30.0	>10,000	3,000	1,000	3,000	15	20
LCH0071	N	N	500	<100	50.0	10,000	1,500	200	500	5	50
LCH0141	N	N	200	<100	30.0	>10,000	1,500	200	3,000	15	20
ELM0098	<200	N	300	<100	50.0	10,000	1,000	200	500	15	20
RLT0061	N	N	500	<100	30.0	5,000	1,000	N	200	2	50
LCH0113	N	20	150	150	30.0	>10,000	2,000	300	1,500	10	10
RLT0082	N	N	150	N	30.0	>10,000	1,500	300	100	15	15
LCH0131	N	N	300	<100	30.0	10,000	2,000	N	100	7	10
LCH0122	<200	N	500	<100	50.0	10,000	1,500	200	150	7	70
RLT0067	N	N	300	N	20.0	>10,000	1,000	500	1,500	5	20
LCH0092	N	N	300	N	30.0	>10,000	2,000	300	1,000	10	200
LCH0119	N	N	300	N	15.0	2,000	1,000	1,000	20	2	150
RLT0070	N	100	300	100	50.0	>10,000	3,000	300	200	15	15
LCH0095	N	N	500	N	20.0	7,000	200	N	200	N	500
MEH0223	N	N	300	N	30.0	7,000	500	N	700	3	30
ELM0125	N	N	300	N	50.0	7,000	1,500	N	150	10	15
LCH0110	N	N	500	<100	50.0	>10,000	3,000	200	200	7	15
LCH0137	N	N	300	100	30.0	7,000	1,000	N	700	7	20
GHA0178	N	N	500	N	30.0	2,000	50	N	50	N	50
GHA0166	N	N	500	N	15.0	3,000	500	200	N	N	150
RLT0073	N	50	300	100	30.0	>10,000	1,500	200	700	20	30
LCH0134	200	N	300	100	50.0	>10,000	1,500	N	5,000	15	10
RLT0064	N	N	300	100	20.0	>10,000	500	1,000	1,000	7	30
LCH0101	N	N	300	<100	30.0	10,000	1,000	200	500	2	30
GHA0129	N	N	300	300	50.0	10,000	1,500	N	500	15	20
JGF0199	N	N	700	N	30.0	5,000	300	200	20	N	100
JGF0141	N	N	300	N	30.0	7,000	500	N	50	15	100
JGF0170	N	N	500	N	50.0	3,000	300	N	50	3	10
GHA0126	N	N	300	100	30.0	5,000	500	<200	1,500	15	50
MEH0203	N	N	300	N	20.0	2,000	50	N	30	N	30
ELM0152	N	N	300	N	30.0	3,000	70	N	50	2	10
MEH0218	N	N	300	N	30.0	10,000	1,500	200	1,000	10	100
MEH0187	N	N	500	N	30.0	7,000	200	N	500	5	70
JGF0280	N	N	1,000	N	50.0	2,000	200	N	200	7	70
JGF0319	N	N	1,000	N	50.0	1,500	300	N	20	3	50
MEH0214	N	N	300	N	30.0	7,000	700	N	500	5	30
JGF0196	N	N	1,000	N	50.0	5,000	500	N	30	7	50
JGF0131	N	N	300	100	30.0	3,000	200	N	20	5	70
LCH0159	N	N	300	100	30.0	5,000	500	N	500	7	10
RLT0127	N	N	200	100	30.0	7,000	300	200	2,000	7	30
GHA0273	N	N	300	N	20.0	3,000	300	200	30	N	100
MEH0351	N	N	500	N	20.0	3,000	200	200	30	N	100
LCH0192	N	N	500	100	30.0	>10,000	2,000	300	20	7	50
LCH0077	N	N	300	N	30.0	7,000	700	200	200	3	30

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
RLT0088	50	.50	.50	150	150	20	300	N	N	.700
RLT0094	100	1.00	1.00	300	200	30	500	N	50	1.000
LCH0071	200	1.00	.70	500	150	50	500	20	50	2.000
LCH0141	70	1.00	.70	500	200	50	500	30	50	1.000
ELM0098	70	1.00	.50	700	300	50	500	20	50	2.000
RLT0061	200	.70	1.00	500	150	50	300	20	50	2.000
LCH0113	70	.30	.50	1,500	300	30	2,000	N	100	>2.000
RLT0082	20	2.00	.30	200	200	30	500	N	N	.700
LCH0131	30	.10	.20	200	100	30	500	N	70	1.500
LCH0122	200	1.00	1.00	300	150	50	500	100	70	>2.000
RLT0067	150	5.00	.70	200	200	50	300	N	N	.700
LCH0092	3,000	2.00	2.00	200	150	30	300	N	N	1.500
LCH0119	200	5.00	3.00	100	50	30	150	N	50	1.000
RLT0070	50	2.00	.50	200	300	30	700	N	50	.700
LCH0095	2,000	5.00	7.00	100	70	50	200	N	<50	1.000
MEH0223	100	1.50	1.00	2,000	150	30	>2,000	N	50	>2.000
ELM0125	150	.50	.20	1,500	500	30	2,000	50	200	>2.000
LCH0110	100	.20	.30	200	150	50	500	30	100	>2.000
LCH0137	100	.70	.70	200	150	50	500	20	100	>2.000
GHA0178	200	1.00	.50	150	70	20	200	30	50	2.000
GHA0166	500	5.00	7.00	N	70	70	200	N	<50	1.500
RLT0073	200	2.00	1.00	500	200	30	300	N	N	.700
LCH0134	50	.20	.70	300	150	50	500	50	100	>2.000
RLT0064	300	5.00	1.00	100	150	30	150	N	N	.500
LCH0101	500	3.00	.70	70	100	20	500	N	100	1.500
GHA0129	100	1.00	1.00	2,000	700	50	1,000	70	150	2.000
JGF0199	150	3.00	2.00	70	70	70	200	20	50	>2.000
JGF0141	100	2.00	1.00	1,500	300	70	500	30	70	>2.000
JGF0170	100	.20	.15	70	70	20	500	N	50	2.000
GHA0126	100	1.00	.70	1,500	500	70	700	70	300	>2.000
MEH0203	100	1.00	.70	150	100	20	200	N	N	2.000
ELM0152	30	.10	.15	100	150	30	300	20	100	>2.000
MEH0218	100	3.00	2.00	2,000	200	70	300	N	70	>2.000
MEH0187	150	2.00	2.00	>2,000	200	70	700	N	100	>2.000
JGF0280	300	.30	.30	150	70	50	300	30	50	>2.000
JGF0319	150	.20	.20	50	70	30	200	N	50	>2.000
MEH0214	70	1.00	.70	1,000	200	50	700	20	70	2.000
JGF0196	100	.50	.70	200	100	50	200	50	50	>2.000
JGF0131	50	3.00	3.00	300	200	70	200	N	70	2.000
LCH0159	50	.20	.30	200	150	50	500	20	70	>2.000
RLT0127	70	1.00	1.00	700	100	30	200	N	70	1.500
GHA0273	300	7.00	5.00	50	30	50	150	N	N	1.500
MEH0351	200	3.00	5.00	150	50	50	150	N	N	1.000
LCH0192	150	5.00	1.50	1,000	1,500	100	700	20	150	>2.000
LCH0077	70	.70	.30	200	70	20	300	N	50	1.500

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
ELM0150	30 56 17	110 51 7	150	10	1,000	700	N	30	N	N	N
LCH0080	31 10 18	111 14 8	300	70	700	700	N	100	N	N	N
LCH0116	31 8 42	111 9 32	100	10	200	1,500	N	50	N	N	N
ELM0146	30 59 10	110 52 28	150	30	500	700	N	30	N	N	N
RLT0037	31 21 1	111 16 25	200	20	300	500	N	50	1.5	N	N
JGF0099	31 2 34	111 24 11	200	15	150	N	N	50	N	N	N
LCH0048	31 21 4	111 15 12	100	20	300	500	N	30	N	N	N
LCH0068	31 17 29	111 30 46	50	10	150	N	N	30	N	N	N
LCH0128	31 8 0	111 6 48	200	20	150	500	N	50	N	N	N
LCH0065	31 14 49	111 18 33	70	15	100	500	N	50	N	N	N
LCH0025	31 12 3	111 32 11	200	15	150	N	N	50	N	N	N
JGF0024	31 24 46	111 29 20	150	10	100	N	N	50	N	N	N
JGF0036	31 26 36	111 27 39	200	50	500	1,500	N	70	N	N	N
JGF0007	31 23 21	111 30 59	70	N	200	700	N	50	N	N	N
LCH0002	31 22 42	111 33 16	30	N	70	N	N	30	N	N	N
LCH0030	31 6 36	111 32 39	1,500	100	500	N	<50	150	N	N	N
JGF0089	31 4 36	111 24 12	700	100	700	N	N	150	N	N	N
MEH0087	31 2 54	111 28 13	200	20	150	N	N	70	N	N	N
MEH0074	31 6 25	111 30 8	1,000	30	500	500	<50	200	3.0	N	N
MEH0030	31 13 23	111 28 53	500	30	200	N	N	100	N	N	N
RLT0052	31 15 31	111 18 21	100	10	200	N	N	30	N	N	N
RLT0056	31 15 43	111 18 41	300	30	300	N	N	70	2.0	N	N
LCH0008	31 20 52	111 34 50	70	N	70	1,000	N	30	N	N	N
MEH0004	31 21 5	111 32 26	200	N	<20	500	N	70	N	N	N
JGF0031	31 25 47	111 28 24	200	15	300	500	N	70	N	N	N
MEH0061	31 6 8	111 32 34	300	20	200	N	N	70	N	N	N
MEH0136	30 58 47	111 21 45	200	15	200	1,000	N	100	N	N	N
RLT0025	31 11 31	111 29 28	700	20	1,000	700	N	150	1.5	N	N
JGF0033	31 26 34	111 28 54	100	10	150	N	N	50	N	N	N
JGF0018	31 24 16	111 30 17	100	N	150	1,000	N	50	N	N	N
RLT0043	31 15 35	111 11 5	150	15	3,000	5,000	<50	50	N	N	N
RLT0046	31 16 22	111 11 53	200	N	1,000	2,000	100	50	10.0	N	N
RLT0031	31 11 8	111 31 12	200	15	300	500	N	70	N	N	N
LCH0012	31 20 31	111 33 12	200	20	500	700	N	100	N	N	N
RLT0028	31 10 40	111 30 12	500	30	700	N	N	100	1.0	N	N
LCH0039	31 11 8	111 29 52	1,000	70	1,000	1,000	N	70	1.5	N	N
LCH0014	31 16 10	111 30 43	200	15	300	500	N	200	N	N	N
LCH0010	31 22 32	111 34 46	30	N	70	700	N	30	N	N	N
RLT0015	31 11 50	111 31 19	300	20	300	N	N	70	N	N	N
RLT0058	31 17 58	111 30 43	70	20	500	500	N	70	N	N	N
LCH0034	31 8 1	111 31 6	1,500	100	200	500	N	150	1.0	N	N
LCH0003	31 21 46	111 33 56	30	<10	100	500	N	30	N	N	N
LCH0047	31 4 25	111 32 34	30	N	20	N	N	10	N	N	N
LCH0016	31 13 40	111 31 12	150	10	70	500	N	70	N	N	N
RLT0008	31 14 4	111 31 7	200	10	70	N	N	70	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
ELM0150	N	N	300	<100	30.0	7,000	500	N	700	5	10
LCH0080	N	N	300	N	50.0	>10,000	1,500	200	700	7	50
LCH0116	300	N	500	100	50.0	10,000	1,500	200	100	7	15
ELM0146	N	N	300	100	50.0	5,000	1,000	N	700	15	10
RLT0037	N	N	500	N	30.0	2,000	150	N	30	5	30
JGF0099	N	N	300	N	20.0	3,000	700	300	70	7	30
LCH0048	N	N	300	N	30.0	3,000	700	N	30	3	50
LCH0068	N	N	500	N	30.0	2,000	150	N	20	2	30
LCH0128	200	N	200	N	50.0	>10,000	1,500	200	1,000	15	10
LCH0065	N	N	500	N	50.0	3,000	300	N	100	3	30
LCH0025	N	N	300	N	30.0	5,000	700	200	100	3	20
JGF0024	N	N	500	N	30.0	5,000	300	200	100	3	30
JGF0036	N	N	700	N	50.0	>10,000	300	N	20	5	50
JGF0007	N	N	500	N	50.0	7,000	100	N	30	2	30
LCH0002	N	N	500	N	50.0	10,000	70	N	20	N	20
LCH0030	N	50	300	200	50.0	1,500	300	N	50	20	70
JGF0089	N	20	500	100	50.0	5,000	1,000	N	100	15	70
MEH0087	N	N	300	N	50.0	7,000	1,500	200	30	10	30
MEH0074	N	30	200	300	50.0	700	200	N	20	15	100
MEH0030	N	N	300	N	30.0	1,000	150	300	20	3	50
RLT0052	N	N	300	N	20.0	5,000	1,500	N	150	5	30
RLT0056	N	N	300	N	30.0	3,000	700	200	20	10	30
LCH0008	N	N	500	N	30.0	5,000	100	N	50	2	30
MEH0004	N	N	500	N	20.0	2,000	300	N	20	2	150
JGF0031	N	20	300	N	30.0	>10,000	500	300	100	5	30
MEH0061	N	70	300	150	30.0	700	200	N	20	10	30
MEH0136	N	N	500	N	50.0	10,000	1,000	200	100	5	50
RLT0025	N	N	200	N	20.0	1,500	100	500	20	5	100
JGF0033	N	N	700	N	30.0	7,000	500	200	30	3	50
JGF0018	N	N	700	N	50.0	7,000	300	N	20	3	50
RLT0043	N	N	300	N	30.0	>10,000	1,500	500	50	10	50
RLT0046	700	N	300	N	20.0	5,000	300	N	30	3	20
RLT0031	N	N	500	N	30.0	3,000	500	700	50	3	70
LCH0012	N	N	500	N	30.0	3,000	500	N	50	3	50
RLT0028	N	N	300	N	50.0	3,000	700	200	30	5	150
LCH0039	N	20	300	N	30.0	3,000	150	N	30	7	100
LCH0014	N	N	1,000	N	50.0	3,000	200	N	100	3	50
LCH0010	N	N	500	N	50.0	7,000	100	N	30	3	30
RLT0015	N	N	500	N	30.0	3,000	200	700	20	3	30
RLT0058	N	N	500	100	30.0	7,000	1,500	N	30	2	30
LCH0034	N	N	700	N	50.0	3,000	1,000	200	70	7	100
LCH0003	N	N	500	N	20.0	5,000	50	N	N	N	20
LCH0047	N	N	200	N	15.0	>10,000	100	N	N	N	10
LCH0018	N	N	1,000	N	30.0	3,000	200	200	20	2	70
RLT0008	N	N	700	N	20.0	2,000	150	200	20	2	100

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
ELM0150	30	.15	.20	150	70	30	300	N	70	2.000
LCH0080	150	1.50	.50	700	100	30	300	N	50	2.000
LCH0116	150	.15	.20	300	150	50	500	N	100	>2.000
ELM0146	30	.20	.50	700	300	30	700	30	100	2.000
RLT0037	100	.30	.20	500	70	20	200	N	<50	1.500
JGF0099	150	3.00	.50	500	100	30	150	N	N	1.500
LCH0048	150	1.00	.70	700	50	20	300	N	<50	1.500
LCH0068	150	.15	.15	300	50	20	200	20	50	1.500
LCH0128	30	.20	.30	150	100	30	300	N	50	2.000
LCH0065	150	.20	.20	300	50	30	300	N	50	2.000
LCH0025	150	2.00	.70	200	70	30	100	N	N	2.000
JGF0024	200	3.00	.30	500	300	50	200	N	50	2.000
JGF0036	200	1.00	.30	1,000	500	50	200	N	100	2.000
JGF0007	150	.20	.15	500	150	20	300	N	70	1.500
LCH0002	150	.70	.20	700	1,000	30	150	N	300	2.000
LCH0030	100	.70	.20	1,000	100	15	200	N	N	.500
JGF0089	150	.70	.50	700	150	20	100	N	N	1.500
MEH0087	150	1.00	.50	150	70	30	150	N	<50	2.000
MEH0074	20	.50	.20	100	50	10	150	N	N	.300
MEH0030	150	5.00	.70	1,500	70	30	100	N	N	.500
RLT0052	200	2.00	1.50	150	50	20	300	N	<50	1.000
RLT0056	150	3.00	1.50	300	100	30	100	N	50	2.000
LCH0008	150	.20	.15	500	100	30	200	N	50	2.000
MEH0004	500	3.00	5.00	150	50	70	200	N	<50	>2.000
JGF0031	150	5.00	.70	1,000	200	50	150	N	<50	1.500
MEH0061	100	1.00	.15	1,500	100	15	100	N	N	.700
MEH0136	300	1.00	.30	500	150	50	500	N	70	>2.000
RLT0025	100	3.00	.50	700	70	20	70	N	N	.700
JGF0033	200	3.00	.20	700	300	50	200	N	50	1.500
JGF0018	150	.50	.30	300	700	30	300	N	50	>2.000
RLT0043	200	2.00	.50	300	100	30	300	N	N	2.000
RLT0046	150	.30	.50	100	70	20	150	N	N	.700
RLT0031	200	5.00	.50	2,000	150	50	700	N	200	>2.000
LCH0012	150	.50	.30	500	500	30	300	N	50	>2.000
RLT0028	200	1.00	.30	500	100	20	300	N	N	1.000
LCH0039	150	.20	.20	300	70	20	150	N	N	1.000
LCH0014	150	1.50	.30	1,000	300	30	200	N	50	>2.000
LCH0010	150	.30	.10	500	300	30	200	N	70	2.000
RLT0015	150	7.00	1.00	2,000	150	50	500	N	N	1.500
RLT0058	100	.50	.50	150	100	20	200	N	N	1.500
LCH0034	300	1.00	.50	500	150	30	200	N	N	>2.000
LCH0003	100	.15	.10	200	70	20	300	20	50	1.000
LCH0047	20	.70	.50	>2,000	1,500	30	1,000	N	150	.500
LCH0018	200	2.00	1.50	1,500	100	30	200	N	N	1.000
RLT0008	200	3.00	1.50	1,000	70	30	300	N	N	1.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
LCH0036	31 8 22	111 31 16	700	50	300	500	N	70	N	N	N
ELM0148	30 57 27	110 51 36	70	15	100	1,000	N	30	N	N	N
RLT0033	31 6 39	111 33 38	200	N	50	N	N	100	N	N	N
LCH0086	31 9 22	111 15 29	150	20	1,000	700	N	50	N	N	N
LCH0104	31 7 25	111 18 4	150	50	200	500	N	50	N	N	N
LCH0098	31 8 4	111 17 4	300	100	1,500	N	N	100	N	N	N
RLT0079	31 9 6	111 15 13	150	70	2,000	3,000	<50	70	2.0	N	N
MEH0155	31 16 41	110 46 52	300	30	150	N	N	70	N	N	N
GHA0267	30 48 12	110 20 8	200	10	1,500	700	N	50	N	N	N
JGF0257	31 15 1	110 27 8	50	N	200	1,000	N	70	N	N	N
RLT0146	30 55 44	110 4 46	100	10	200	N	N	50	N	N	N
MEH0287	31 6 1	110 26 54	100	<10	300	N	N	50	N	N	N
MEH0279	31 4 57	110 27 46	150	10	700	500	N	50	N	N	N
MEH0346	30 53 32	110 24 46	200	10	2,000	1,000	N	50	1.0	N	N
GHA0251	30 50 29	110 17 7	200	<10	300	1,000	N	100	1.0	N	N
LCH0168	30 50 37	110 7 5	150	N	200	N	N	70	N	N	N
MEH0298	31 1 32	110 25 37	1,000	10	100	N	N	500	15.0	N	N
GHA0254	30 50 49	110 17 9	700	N	1,000	700	N	100	5.0	N	N
GHA0292	30 43 20	110 18 7	100	N	200	500	N	70	N	N	N
MEH0341	30 54 22	110 28 1	100	N	100	N	N	50	N	N	N
LCH0162	30 56 18	110 16 24	300	15	100	500	N	70	N	N	N
GHA0303	30 40 12	110 16 14	70	N	100	N	N	50	N	N	N
GHA0305	30 40 51	110 16 3	70	N	70	N	N	50	N	N	N
GHA0313	30 41 45	110 14 0	100	<10	70	N	N	50	N	N	N
MEH0309	30 55 55	110 35 4	100	<10	70	N	N	70	N	N	N
MEH0317	31 6 4	110 34 26	50	<10	20	N	N	70	N	N	N
LCH0177	30 48 1	110 4 57	100	N	100	N	N	30	N	N	N
MEH0329	30 57 29	110 27 26	150	<10	200	N	N	150	N	N	N
RLT0167	30 51 35	110 4 49	70	N	70	N	N	30	N	N	N
GHA0242	30 54 7	110 17 8	300	10	200	500	N	70	N	N	N
MEH0284	31 6 51	110 26 10	150	<10	300	500	N	50	N	N	N
MEH0332	30 56 24	110 28 32	300	20	3,000	1,000	N	100	N	N	N
MEH0312	30 56 10	110 32 56	100	<10	150	N	N	50	N	N	N
RLT0137	30 57 19	110 8 18	100	<10	150	N	N	70	N	N	N
JGF0336	31 6 20	110 19 7	50	N	150	1,500	N	50	N	N	N
JGF0251	31 17 29	110 26 15	70	N	20	N	N	50	N	N	N
MEH0335	30 56 5	110 26 47	150	<10	200	N	N	200	N	N	N
MEH0319	31 6 4	110 34 45	70	N	30	N	N	70	N	N	N
JGF0283	31 7 26	110 13 43	50	N	150	1,000	N	30	1.5	N	N
JGF0289	31 8 22	110 15 9	30	N	200	500	N	30	N	N	N
RLT0134	30 57 51	110 9 0	100	N	150	500	N	70	N	N	N
RLT0143	30 55 6	110 6 52	100	N	200	700	N	50	N	N	N
JGF0352	31 11 41	110 19 51	150	N	50	500	N	70	N	N	N
JGF0355	31 14 40	110 23 20	100	N	70	N	N	70	N	N	N
ELM0345	30 56 38	110 51 20	20	10	200	1,500	N	20	5.0	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
LCH0036	N	20	500	<100	30.0	2,000	150	N	30	5	50
ELM0148	<200	N	300	N	30.0	5,000	150	N	70	5	10
RLT0033	N	N	700	N	30.0	>10,000	1,000	N	N	5	50
LCH0086	N	N	500	N	30.0	10,000	1,000	200	700	5	20
LCH0104	N	N	300	N	15.0	10,000	1,000	200	1,500	2	100
LCH0098	N	N	500	100	30.0	>10,000	1,500	300	300	3	50
RLT0079	N	50	200	100	20.0	>10,000	3,000	500	30	10	20
MEH0155	N	N	300	<100	20.0	10,000	200	N	20	3	50
GHA0267	N	N	300	N	20.0	10,000	300	200	50	2	30
JGF0257	N	N	700	N	30.0	5,000	150	N	20	2	20
RLT0146	N	N	300	N	20.0	2,000	150	N	300	2	20
MEH0287	N	30	500	N	15.0	2,000	200	N	50	3	30
MEH0279	N	N	700	N	30.0	3,000	500	200	70	3	20
MEH0346	N	N	300	N	20.0	>10,000	500	500	70	3	30
GHA0251	N	N	500	N	30.0	5,000	700	N	30	2	100
LCH0168	N	N	700	N	20.0	3,000	200	N	N	N	70
MEH0298	N	30	200	N	30.0	3,000	150	200	100	5	30
GHA0254	N	N	500	N	30.0	10,000	1,500	200	100	3	70
GHA0292	N	N	500	N	30.0	5,000	1,500	<200	50	3	50
MEH0341	N	N	300	N	30.0	3,000	500	200	100	2	30
LCH0162	N	N	500	N	30.0	2,000	300	N	70	2	50
GHA0303	N	N	500	N	30.0	2,000	300	200	30	2	30
GHA0305	N	N	300	N	30.0	1,500	200	N	20	N	30
GHA0313	N	N	300	N	30.0	1,500	300	N	30	N	30
MEH0309	N	N	300	N	30.0	5,000	1,000	200	2,000	5	20
MEH0317	N	N	200	N	10.0	2,000	300	N	50	2	50
LCH0177	N	N	300	N	20.0	2,000	300	N	20	2	30
MEH0329	N	N	500	N	20.0	7,000	300	1,500	1,000	2	50
RLT0167	N	N	300	N	20.0	3,000	300	N	30	2	20
GHA0242	N	N	500	N	30.0	7,000	200	<200	50	3	50
MEH0284	N	N	500	N	30.0	5,000	300	200	200	3	30
MEH0332	N	N	300	N	30.0	10,000	1,000	<200	500	5	30
MEH0312	N	N	300	N	30.0	7,000	1,000	200	2,000	7	15
RLT0137	N	N	300	N	30.0	5,000	700	<200	300	3	30
JGF0336	N	N	1,000	N	50.0	1,500	200	N	20	3	20
JGF0251	N	N	300	N	10.0	1,500	150	200	N	N	70
MEH0335	N	N	300	N	20.0	7,000	300	700	150	3	30
MEH0319	N	N	300	N	15.0	3,000	200	N	70	2	30
JGF0283	N	N	500	N	30.0	1,500	200	N	50	5	20
JGF0289	N	N	700	N	30.0	1,500	100	N	20	N	20
RLT0134	N	N	700	N	30.0	5,000	1,000	500	70	3	50
RLT0143	N	N	700	N	50.0	3,000	300	N	30	3	30
JGF0352	N	N	700	N	30.0	3,000	500	200	20	N	150
JGF0355	N	N	700	N	30.0	5,000	700	300	20	2	100
ELM0345	N	N	300	N	30.0	5,000	150	N	30	5	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
LCH0036	200	.20	.20	300	100	15	200	N	N	1.000
ELM0148	20	.10	.30	150	100	30	300	20	70	2.000
RLT0033	100	.70	.30	>2,000	>2,000	50	500	N	100	>2.000
LCH0036	150	1.50	.50	500	300	50	200	N	50	>2.000
LCH0104	150	3.00	1.50	300	150	30	200	N	N	.700
LCH0098	2,000	3.00	.70	500	100	30	200	N	N	1.000
RLT0079	100	.15	.05	300	100	15	150	N	N	.500
MEH0155	100	3.00	2.00	300	70	50	500	N	70	>2.000
GHA0267	150	5.00	.30	70	50	15	150	N	N	.700
JGF0257	150	.15	.30	500	50	20	500	N	N	2.000
RLT0146	100	.10	.10	150	200	10	300	N	N	.700
MEH0287	100	.50	.15	50	70	20	100	N	N	1.000
MEH0279	150	1.50	.20	50	100	30	150	N	N	2.000
MEH0346	150	5.00	.50	100	50	30	300	N	N	2.000
GHA0251	200	.15	.20	50	20	20	150	N	N	1.500
LCH0168	200	.30	.70	N	N	15	30	N	N	.700
MEH0298	30	3.00	1.50	700	150	50	150	20	<50	1.500
GHA0254	300	3.00	.50	100	50	30	200	N	N	1.500
GHA0292	150	.50	.50	100	50	20	200	N	N	2.000
MEH0341	150	1.00	.70	100	70	50	200	N	<50	2.000
LCH0162	300	3.00	.30	100	30	20	100	N	N	2.000
GHA0303	150	1.00	.30	70	30	20	150	N	N	1.500
GHA0305	150	.20	.15	50	20	20	70	N	N	1.500
GHA0313	150	.20	.20	N	N	15	100	N	N	1.500
MEH0309	150	2.00	1.00	300	150	50	300	20	<50	1.500
MEH0317	50	5.00	5.00	150	70	70	300	N	N	.700
LCH0177	100	.70	.50	300	70	20	200	N	N	1.000
MEH0329	150	7.00	1.50	200	150	70	200	N	N	2.000
RLT0167	150	.20	.20	300	70	20	200	N	N	1.500
GHA0242	200	5.00	.30	50	30	20	50	N	N	1.000
MEH0284	150	2.00	.50	100	50	30	70	N	N	2.000
MEH0332	100	1.00	.30	150	100	30	700	20	50	1.500
MEH0312	70	2.00	1.50	300	150	70	500	20	70	2.000
RLT0137	150	.70	.30	200	50	30	200	20	50	2.000
JGF0336	100	.15	.10	100	50	50	150	20	<50	>2.000
JGF0251	150	3.00	3.00	70	70	30	100	N	N	1.000
MEH0335	100	7.00	.70	300	70	50	700	N	N	2.000
MEH0319	100	3.00	3.00	300	100	70	500	N	N	1.500
JGF0283	100	.50	.20	50	30	30	100	20	N	2.000
JGF0289	150	.20	.20	50	30	30	150	<20	<50	2.000
RLT0134	150	3.00	.50	500	70	50	300	N	N	2.000
RLT0143	150	.30	.20	300	70	30	200	N	N	2.000
JGF0352	200	7.00	5.00	100	50	50	300	N	N	>2.000
JGF0355	200	5.00	5.00	100	70	70	300	N	N	>2.000
ELM0345	50	.15	.30	200	150	50	500	20	100	>2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
MEH0167	31 7 17	110 40 15	200	<10	100	N	N	100	N	N	N
ELM0107	31 6 40	110 55 1	300	50	500	N	N	70	N	N	N
LCH0225	30 53 59	110 53 3	30	N	50	N	N	15	N	N	N
JGF0355	31 14 40	110 23 20	100	N	50	N	N	70	N	N	N
JGF0374	31 12 24	110 23 9	70	<10	20	N	N	50	1.0	N	N
MEH0269	31 3 51	110 29 39	300	20	300	N	N	100	N	N	N
JGF0400	31 8 21	110 27 34	100	N	70	1,000	N	70	N	N	N
MEH0323	30 58 55	110 28 7	70	<10	100	1,500	N	50	N	N	N
ELM0349	30 57 10	110 36 1	100	10	30	N	N	50	N	N	N
JGF0362	31 13 59	110 26 10	50	N	70	500	N	50	N	N	N
JGF0371	31 12 30	110 21 23	100	<10	20	N	N	70	N	N	N
RLT0233	30 59 0	111 0 20	70	<10	150	N	N	30	N	N	N
ELM0329	30 52 49	110 40 12	20	<10	70	1,000	N	20	N	N	N
JGF0349	31 10 16	110 15 4	100	N	100	1,000	N	70	N	N	N
JGF0385	31 10 52	110 24 59	200	N	30	500	N	70	N	N	N
JGF0408	30 35 26	110 19 49	50	N	70	N	N	50	N	N	N
RLT0227	30 52 10	110 51 28	70	<10	70	N	N	30	N	N	N
JGF0380	31 12 21	110 23 31	100	<10	N	N	N	70	N	N	N
LCH0231	31 16 44	111 11 43	70	N	50	N	N	30	N	N	N
JGF0365	31 13 48	110 26 12	20	N	20	N	N	20	N	N	N
MEH0265	31 0 25	110 33 8	150	5	500	N	N	70	N	N	N
MEH0384	30 51 39	110 23 41	500	15	5,000	1,500	N	100	5.0	N	N
JGF0368	31 12 55	110 20 50	100	<10	50	N	N	50	N	N	N
JGF0377	31 12 25	110 23 10	100	<10	20	N	N	70	N	N	N
ELM0212	31 16 59	110 15 59	50	N	150	500	N	30	N	N	N
ELM0198	31 1 24	110 1 57	50	N	70	N	N	20	N	N	N
MEH0391	30 48 52	110 27 11	100	N	150	700	N	50	N	N	N
MEH0323	30 58 55	110 28 7	100	N	30	N	N	30	N	N	N
MEH0320	31 3 2	110 36 41	150	<10	70	700	N	30	N	N	N
JGF0358	31 14 27	110 23 27	100	N	50	N	N	70	N	N	N
ELM0203	31 2 37	110 2 7	30	N	50	N	N	50	N	N	N
MEH0358	30 56 3	110 29 17	200	10	1,500	1,500	N	70	1.0	N	N
JGF0388	31 10 6	110 24 15	150	N	20	N	N	70	N	N	N
ELM0192	31 0 30	110 3 31	70	N	150	500	N	30	N	N	N
MEH0403	30 32 34	110 1 58	200	10	200	N	N	100	1.0	N	N
ELM0195	31 1 13	110 1 12	30	N	70	N	N	50	N	N	N
ELM0224	31 16 22	110 23 30	70	N	150	N	N	50	N	N	N
MEH0395	30 30 46	110 1 22	100	<10	70	N	N	70	N	N	N
RLT0240	30 59 37	111 0 49	70	<10	70	500	N	50	N	N	N
MEH0386	30 50 3	110 23 30	300	10	700	500	N	70	N	N	N
MEH0366	30 54 29	110 27 8	30	N	100	N	N	30	N	N	N
MEH0356	31 12 31	110 24 53	100	N	50	N	N	70	N	N	N
MEH0397	30 33 46	110 2 6	150	N	70	N	N	70	N	N	N
MEH0407	30 51 37	110 19 50	300	15	1,000	1,500	N	100	N	N	N
GHA0097	31 9 31	111 19 19	100	20	300	N	N	50	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
MEH0167	N	N	300	N	20.0	5,000	150	N	700	3	50
ELM0107	N	N	300	100	30.0	7,000	1,000	N	200	15	50
LCH0225	N	N	200	N	50.0	>10,000	200	200	70	N	10
JGF0355	N	N	700	N	30.0	3,000	300	200	20	2	100
JGF0374	N	N	500	N	15.0	2,000	300	500	N	N	100
MEH0269	N	N	1,000	N	30.0	3,000	500	N	20	N	50
JGF0400	N	N	1,000	N	50.0	3,000	200	N	20	2	70
MEH0323	N	N	500	N	50.0	2,000	300	N	20	5	20
ELM0349	N	N	300	N	20.0	5,000	200	200	100	3	50
JGF0362	N	N	700	N	20.0	3,000	300	N	20	N	70
JGF0371	N	N	500	N	15.0	2,000	500	500	N	N	100
RLT0233	N	N	300	N	30.0	10,000	300	300	1,000	5	10
ELM0329	N	N	300	N	30.0	3,000	700	200	20	5	10
JGF0349	N	N	700	N	50.0	5,000	700	N	20	3	70
JGF0385	N	N	500	N	30.0	3,000	500	200	30	N	100
JGF0408	N	N	700	N	50.0	3,000	500	N	30	2	50
RLT0227	N	N	300	N	30.0	10,000	150	200	700	3	10
JGF0380	N	N	500	N	15.0	2,000	200	200	20	N	100
LCH0231	N	N	300	N	30.0	5,000	150	N	100	N	30
JGF0365	N	N	100	N	5.0	700	1,000	500	N	N	20
MEH0265	N	N	300	N	15.0	7,000	1,500	N	500	3	30
MEH0384	N	N	500	N	30.0	>10,000	1,000	200	100	3	50
JGF0368	N	N	300	N	20.0	3,000	300	200	N	N	70
JGF0377	N	N	500	N	20.0	2,000	150	200	N	N	100
ELM0212	N	N	700	N	30.0	1,500	50	N	20	N	30
ELM0198	N	N	300	N	20.0	1,500	100	N	20	N	10
MEH0391	N	N	500	N	30.0	5,000	700	200	30	N	70
MEH0323	N	N	150	N	10.0	2,000	N	N	150	N	15
MEH0320	N	N	300	N	50.0	5,000	300	N	150	2	30
JGF0358	N	N	500	N	30.0	3,000	500	300	20	N	150
ELM0203	N	N	700	N	20.0	1,000	100	N	50	N	30
MEH0358	N	N	200	N	15.0	7,000	1,500	300	1,000	5	30
JGF0388	N	N	500	N	15.0	2,000	200	N	70	N	150
ELM0192	N	N	500	N	30.0	2,000	200	N	20	3	30
MEH0403	N	N	700	N	30.0	3,000	500	700	50	3	100
ELM0195	N	N	700	N	30.0	1,500	100	N	20	3	20
ELM0224	N	N	700	N	30.0	2,000	70	<200	20	N	30
MEH0395	N	N	700	N	30.0	2,000	300	200	20	N	150
RLT0240	N	N	500	N	20.0	1,500	200	N	30	N	30
MEH0386	N	N	500	N	30.0	10,000	1,500	700	300	3	50
MEH0366	N	N	500	N	30.0	2,000	500	300	70	2	20
MEH0356	N	N	500	N	15.0	2,000	200	200	70	N	150
MEH0397	N	N	700	N	30.0	3,000	1,500	200	50	N	100
MEH0407	N	N	300	N	20.0	>10,000	1,000	200	100	3	50
GHA0097	N	N	500	N	30.0	5,000	200	N	100	2	20

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0167	150	3.00	2.00	2,000	200	70	2,000	20	70	>2.000
ELM0107	150	1.50	1.00	2,000	1,000	50	1,000	50	100	2.000
LCH0225	100	3.00	.50	2,000	200	50	300	N	50	2.000
JGF0355	300	3.00	5.00	100	70	50	300	N	N	2.000
JGF0374	150	7.00	7.00	N	50	50	100	N	N	1.500
MEH0209	500	.50	.50	700	150	20	1,500	N	<50	1.000
JGF0400	150	.70	1.00	150	50	50	200	N	N	>2.000
MEH0323	150	.50	.50	200	150	30	300	N	50	>2.000
ELM0349	150	5.00	3.00	300	150	70	200	N	<50	1.500
JGF0362	150	2.00	2.00	300	30	30	150	N	<50	2.000
JGF0371	200	7.00	5.00	70	50	50	100	N	N	1.500
RLT0233	100	5.00	.70	700	200	50	500	N	50	>2.000
ELM0329	50	.70	.20	150	70	30	700	N	<50	2.000
JGF0349	150	1.00	.70	500	50	30	300	N	N	>2.000
JGF0385	200	2.00	2.00	150	50	30	150	N	N	2.000
JGF0408	300	.20	1.00	50	20	30	100	N	N	2.000
RLT0227	70	5.00	.50	1,000	150	50	500	N	<50	2.000
JGF0380	200	7.00	10.00	100	50	70	100	N	N	2.000
LCH0231	150	1.50	1.50	50	50	20	70	N	N	1.500
JGF0365	20	1.00	1.50	N	N	N	70	N	N	.500
MEH0265	50	3.00	3.00	500	70	50	500	N	N	1.000
MEH0384	200	3.00	.70	200	70	30	500	N	<50	>2.000
JGF0368	150	3.00	5.00	50	20	30	70	N	N	2.000
JGF0377	200	5.00	5.00	500	50	50	200	N	N	>2.000
ELM0212	150	.70	.20	100	50	20	200	N	N	1.500
ELM0198	70	.70	.20	50	50	20	700	N	50	2.000
MEH0391	300	2.00	1.50	50	50	30	200	N	N	2.000
MEH0323	<20	3.00	.07	N	20	10	200	N	N	.500
MEH0320	100	1.50	.70	100	70	30	500	20	70	2.000
JGF0358	200	7.00	7.00	N	50	50	150	N	N	2.000
ELM0203	100	.70	.50	70	50	20	200	N	N	1.500
MEH0358	30	5.00	2.00	500	50	30	200	N	N	.700
JGF0388	300	3.00	5.00	100	30	50	100	N	N	1.500
ELM0192	150	1.00	.70	200	50	20	200	N	N	1.500
MEH0403	200	5.00	1.50	150	50	30	100	N	N	1.500
ELM0195	100	.15	.20	150	50	20	500	N	N	1.500
ELM0224	200	1.00	.30	100	50	20	200	N	N	1.500
MEH0395	300	2.00	2.00	50	30	50	100	N	N	1.500
RLT0240	100	.70	.20	100	70	30	500	N	<50	2.000
MEH0386	150	7.00	2.00	100	70	50	200	N	N	2.000
MEH0366	100	3.00	1.00	150	200	30	500	N	N	2.000
MEH0356	200	3.00	5.00	N	50	30	100	N	N	1.000
MEH0397	500	5.00	3.00	70	100	50	150	N	N	>2.000
MEH0407	200	3.00	.50	50	30	15	50	N	N	.700
GHA0097	150	.50	.15	100	70	30	500	N	50	2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
ELM0215	31 14 18	110 14 15	70	N	200	1,500	N	30	N	N	N
GHA0025	31 18 58	111 29 59	30	<10	150	N	N	50	N	N	N
GHA0039	31 23 44	111 25 53	150	N	200	1,000	N	70	N	N	N
GHA0069	31 23 11	111 19 2	100	10	70	N	N	20	N	N	N
GHA0006	31 19 32	111 31 59	150	20	200	1,000	N	50	N	N	N
GHA0090	31 16 27	111 13 43	150	15	200	700	N	50	N	N	N
GHA0078	31 17 31	111 18 28	100	10	150	1,000	N	70	N	N	N
GHA0048	31 20 36	111 20 33	300	20	500	500	N	100	N	N	N
MEH0021	31 15 6	111 28 39	700	150	200	N	N	200	N	N	N
GHA0057	31 20 29	111 20 58	200	15	300	500	N	200	N	N	N
GHA0051	31 22 19	111 21 23	150	<10	100	N	N	70	N	N	N
GHA0072	31 20 49	111 15 18	300	50	300	N	N	30	N	N	N
GHA0075	31 20 44	111 17 12	150	10	100	500	N	50	N	N	N
GHA0009	31 20 50	111 29 40	150	10	500	700	N	70	N	N	N
GHA0082	31 13 38	111 13 38	200	30	700	N	N	150	N	N	N
GHA0054	31 21 18	111 21 10	300	30	150	N	N	100	N	N	N
ELM0047	31 15 31	111 26 37	500	50	150	N	N	150	N	N	N
GHA0085	31 13 57	111 15 9	200	30	1,000	N	N	50	N	N	N
GHA0012	31 20 23	111 29 33	150	30	300	N	N	50	N	N	N
GHA0033	31 23 11	111 25 47	150	10	150	500	N	70	N	N	N
GHA0090	31 16 27	111 13 43	150	15	300	700	N	50	N	N	N
GHA0019	31 19 32	111 29 11	50	N	100	700	N	70	N	N	N
ELM0028	31 16 53	111 28 58	500	70	150	N	N	100	N	N	N
ELM0050	31 12 49	111 25 7	300	20	50	N	N	150	N	N	N
GHA0015	31 20 16	111 29 29	100	N	200	700	N	50	N	N	N
GHA0042	31 24 6	111 26 39	150	N	100	500	N	50	N	N	N
MEH0001	31 14 22	111 29 59	200	10	150	N	N	70	N	N	N
GHA0060	31 19 24	111 21 25	150	N	150	700	N	70	N	N	N
ELM0013	31 26 29	111 30 43	150	10	150	500	N	70	N	N	N
ELM0010	31 26 28	111 30 10	150	15	150	500	N	70	N	N	N
MEH0091	31 1 41	111 27 2	300	30	500	500	N	150	N	N	N
ELM0052	31 12 38	111 25 10	200	20	70	N	N	150	N	N	N
MEH0069	31 5 15	111 29 44	300	15	150	N	N	100	2.0	N	N
ELM0018	31 27 13	111 30 37	20	N	30	N	N	10	N	N	N
MEH0039	31 11 0	111 27 29	1,000	30	1,000	1,000	N	200	3.0	N	N
RLT0023	31 8 12	111 31 1	700	70	1,000	N	N	150	2.0	N	N
LCH0005	31 21 26	111 33 29	70	N	200	700	N	50	N	N	N
JGF0001	31 21 44	111 32 10	50	N	300	500	N	30	N	N	N
LCH0061	31 14 20	111 15 13	200	20	1,000	1,000	N	70	N	N	N
LCH0052	31 17 16	111 18 57	150	15	150	500	N	70	N	N	N
MEH0360	30 55 57	110 29 12	500	20	1,000	1,000	N	70	1.5	N	N
MEH0411	30 54 27	110 20 21	300	10	300	500	N	70	N	N	N
ELM0246	30 42 23	110 13 5	200	N	100	700	N	70	N	N	N
RLT0019	31 7 51	111 31 9	1,500	100	500	N	N	150	5.0	N	N
RLT0013	31 12 25	111 31 5	500	15	300	700	N	150	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
ELM0215	N	N	1,000	N	50.0	1,500	200	N	20	3	20
GHA0025	N	N	500	N	30.0	1,500	50	N	50	N	20
GHA0039	N	N	500	N	50.0	5,000	1,500	N	30	2	70
GHA0069	N	N	300	N	30.0	3,000	150	N	20	N	10
GHA0006	N	20	700	N	50.0	3,000	150	N	50	2	30
GHA0090	N	N	300	N	50.0	10,000	1,000	<200	30	5	20
GHA0078	N	N	700	N	50.0	5,000	300	N	50	7	100
GHA0048	N	N	500	100	30.0	7,000	1,500	N	100	5	100
MEH0021	N	N	500	N	50.0	1,500	300	<200	20	7	70
GHA0057	N	N	500	N	50.0	>10,000	3,000	<200	30	3	100
GHA0051	N	N	300	N	20.0	3,000	1,000	200	30	5	70
GHA0072	N	N	300	N	20.0	2,000	300	N	30	2	30
GHA0075	N	N	300	100	30.0	2,000	100	N	100	N	30
GHA0009	N	N	300	N	50.0	10,000	1,500	200	70	5	50
GHA0082	N	N	700	N	30.0	>10,000	3,000	200	70	3	100
GHA0054	N	N	500	N	30.0	3,000	300	300	20	3	30
ELM0047	N	N	700	N	30.0	2,000	100	300	30	5	30
GHA0085	N	N	300	N	15.0	10,000	2,000	700	500	3	30
GHA0012	N	N	300	N	20.0	2,000	100	N	20	2	50
GHA0033	N	N	700	N	50.0	5,000	300	N	20	3	50
GHA0090	N	N	500	N	50.0	5,000	500	N	30	3	30
GHA0019	N	N	700	N	50.0	2,000	200	N	20	3	50
ELM0028	N	N	500	150	50.0	3,000	500	500	20	5	50
ELM0050	N	20	500	<100	50.0	2,000	200	200	20	3	100
GHA0015	N	N	500	<100	50.0	2,000	100	N	30	2	20
GHA0042	N	N	500	N	30.0	3,000	300	N	30	3	70
MEH0001	N	N	700	N	50.0	1,500	150	200	N	3	30
GHA0060	N	N	700	N	50.0	5,000	500	200	30	3	100
ELM0013	N	N	500	N	50.0	>10,000	300	N	50	5	70
ELM0010	N	N	500	N	50.0	7,000	300	N	30	3	50
MEH0091	N	N	500	100	50.0	10,000	1,500	200	100	15	70
ELM0052	N	N	500	N	50.0	2,000	200	N	N	2	150
MEH0069	N	N	500	N	50.0	7,000	1,500	200	N	10	70
ELM0018	N	N	500	N	50.0	10,000	200	N	N	N	10
MEH0039	N	N	300	N	50.0	1,500	70	200	N	5	150
RLT0023	N	N	700	100	50.0	5,000	700	<200	30	10	100
LCH0005	N	N	500	<100	50.0	7,000	50	N	20	N	50
JGF0001	N	N	300	N	20.0	3,000	70	N	30	N	30
LCH0061	N	N	500	N	30.0	10,000	1,500	200	50	5	70
LCH0052	N	N	700	N	30.0	5,000	1,000	N	50	3	70
MEH0360	N	N	300	N	20.0	7,000	1,500	300	200	5	50
MEH0411	N	N	500	N	30.0	7,000	500	N	30	3	50
ELM0246	N	N	1,000	N	50.0	3,000	300	N	20	N	70
RLT0019	N	50	300	100	20.0	2,000	500	200	100	5	50
RLT0013	N	N	700	N	50.0	5,000	500	300	150	5	100

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
ELM0215	100	.20	.15	50	50	30	500	N	50	>2.000
GHA0025	70	.20	.15	150	100	15	300	N	N	1.000
GHA0039	200	.20	.30	300	70	20	200	20	<50	2.000
GHA0069	50	.20	.15	50	50	20	300	N	50	1.500
GHA0006	150	.15	.20	150	100	20	200	20	N	1.000
GHA0090	200	.20	.50	200	200	50	500	20	70	2.000
GHA0078	200	.15	.30	300	100	30	500	100	50	>2.000
GHA0048	300	.20	.50	300	200	20	200	N	N	1.000
MEH0021	200	.70	.30	1,000	100	20	>2,000	N	N	.700
GHA0057	300	1.50	1.50	500	100	30	500	N	50	2.000
GHA0051	200	1.50	1.50	300	70	20	300	N	<50	1.500
GHA0072	100	.10	.10	50	20	10	150	N	N	.700
GHA0075	200	.20	.30	300	50	20	200	N	N	1.000
GHA0009	100	.15	.30	150	70	30	200	N	<50	1.500
GHA0082	500	2.00	2.00	300	70	30	200	N	<50	.700
GHA0054	150	3.00	.50	2,000	150	50	700	N	50	1.000
ELM0047	200	3.00	.30	2,000	300	50	1,000	N	50	1.500
GHA0085	70	1.50	1.00	100	50	20	150	N	N	.700
GHA0012	150	1.00	.30	1,000	300	30	200	20	70	1.500
GHA0033	200	.20	.30	500	50	30	300	N	<50	2.000
GHA0090	150	.20	.30	200	150	30	500	20	70	>2.000
GHA0019	150	.30	.20	500	150	30	500	N	<50	2.000
ELM0028	300	5.00	.10	1,500	100	30	300	N	N	1.000
ELM0050	200	3.00	.70	>2,000	300	20	200	50	70	2.000
GHA0015	150	.15	.20	200	100	20	300	20	50	1.500
GHA0042	200	.20	.30	300	100	20	300	N	<50	1.500
MEH0001	200	1.50	.50	1,500	150	15	1,000	N	<50	.700
GHA0060	300	1.00	.70	200	70	50	500	N	N	>2.000
ELM0013	200	2.00	.30	1,500	>2,000	50	500	N	150	1.500
ELM0010	200	2.00	.30	1,500	500	30	500	N	150	1.500
MEH0091	150	1.00	.50	300	100	30	200	N	N	2.000
ELM0052	300	2.00	.50	>2,000	300	20	500	70	50	2.000
MEH0069	200	1.00	.70	300	150	30	200	N	50	2.000
ELM0018	100	.70	.20	300	300	50	500	N	100	2.000
MEH0039	100	2.00	.30	500	70	30	200	N	N	.700
RLT0023	200	.70	.50	1,000	100	20	300	N	<50	1.500
LCH0005	150	.20	.10	300	150	20	300	20	70	1.500
JGF0001	150	.20	.15	500	150	15	300	N	50	1.000
LCH0061	300	2.00	2.00	200	500	30	300	N	50	1.500
LCH0052	150	1.00	.50	300	70	30	500	N	50	2.000
MEH0360	70	1.50	1.00	150	70	20	200	N	N	.700
MEH0411	200	1.50	1.00	150	50	30	500	N	50	>2.000
ELM0246	300	.50	.70	100	50	30	500	N	N	>2.000
RLT0019	100	1.00	.30	700	100	15	300	N	<50	.700
RLT0013	300	2.00	1.00	1,500	150	50	300	N	N	2.000
ELM0124	31 12 29	110 58 1		200	15	10	500			

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
JGF0391	31 10 20	110 20 32	100	<10	70	N	N	70	N	N	N
ELM0208	31 3 52	110 2 12	70	N	150	500	N	50	N	N	N
ELM0182	31 12 50	111 12 42	150	10	200	N	N	50	N	N	N
ELM0242	30 41 45	110 14 11	200	N	100	N	N	70	N	N	N
MEH0378	30 52 18	110 24 38	100	N	100	N	N	50	N	N	N
ELM0230	30 43 18	110 16 30	150	N	300	500	N	50	N	N	N
GHA0257	30 50 23	110 25 34	100	N	300	500	N	30	N	N	N
MEH0374	30 54 1	110 24 55	200	N	200	N	N	70	N	N	N
ELM0261	30 43 18	110 12 1	100	N	70	N	N	50	N	N	N
GHA0331	30 54 10	110 22 41	200	N	300	1,000	N	200	N	N	N
MEH0376	30 52 49	110 24 9	300	15	700	700	N	100	N	N	N
GHA0328	30 44 31	110 9 14	100	N	100	500	N	70	N	N	N
ELM0218	31 12 52	110 15 41	100	N	150	1,500	N	70	N	N	N
ELM0201	31 2 12	110 4 22	100	N	200	700	N	50	N	N	N
GHA0276	30 34 57	110 13 31	200	30	70	N	N	150	N	N	N
ELM0249	30 42 54	110 12 2	150	<10	150	1,000	N	70	N	N	N
ELM0226	31 13 25	110 20 38	70	N	150	500	N	30	N	N	N
ELM0269	31 12 23	110 3 14	50	N	200	700	N	50	N	N	N
GHA0331	30 54 10	110 22 41	300	<10	1,000	700	N	100	N	N	N
ELM0239	30 40 55	110 14 17	150	15	200	N	N	100	N	N	N
ELM0267	31 9 59	110 2 14	50	N	150	N	N	50	N	N	N
GHA0325	30 43 45	110 10 36	70	N	100	N	N	50	N	N	N
ELM0302	30 52 16	110 8 24	300	N	150	N	N	50	N	N	N
MEH0413	30 59 19	110 33 36	500	N	500	N	N	300	N	N	N
GHA0322	30 43 54	110 10 40	100	N	70	N	N	70	N	N	N
GHA0290	30 42 14	110 17 47	200	N	100	700	N	70	N	N	N
MEH0382	30 52 14	110 25 6	300	10	1,000	500	N	70	1.0	N	N
ELM0251	30 42 55	110 12 42	150	N	150	N	N	100	N	N	N
MEH0393	30 48 59	110 27 1	150	N	150	N	N	50	N	N	N
GHA0353	30 42 34	110 22 17	300	20	2,000	2,000	N	100	2.0	N	N
ELM0234	30 41 0	110 16 36	150	N	150	N	N	70	N	N	N
MEH0388	30 47 49	110 26 8	100	N	100	N	N	50	N	N	N
ELM0284	30 46 25	110 10 0	100	N	100	N	N	70	N	N	N
ELM0287	30 48 13	110 10 46	100	N	1,000	700	N	70	N	N	N
GHA0282	30 36 53	110 14 9	200	10	70	N	N	100	N	N	N
ELM0232	30 41 23	110 16 47	200	N	200	N	N	150	N	N	N
ELM0254	30 43 31	110 13 44	150	N	100	N	N	70	N	N	N
ELM0259	30 43 5	110 12 31	100	N	100	500	N	70	N	N	N
ELM0220	31 15 12	110 21 35	100	N	70	N	N	50	N	N	N
MEH0012	31 22 27	111 29 9	150	10	300	N	N	50	N	N	N
MEH0008	31 21 13	111 31 15	100	15	500	N	N	100	N	N	N
MEH0128	31 1 27	111 18 52	150	10	200	N	N	30	N	N	N
LCH0085	31 9 22	111 15 29	100	15	2,000	1,000	N	50	2.0	N	N
LCH0042	31 10 45	111 30 43	500	15	500	N	N	200	N	N	N
MEH0034	31 13 14	111 31 9	300	70	150	N	N	150	N	N	N

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
JGF0391	N	N	500	N	20.0	3,000	200	200	N	N	100
ELM0208	N	N	500	N	30.0	2,000	200	200	100	2	30
ELM0182	N	N	300	N	30.0	2,000	300	200	300	3	30
ELM0242	N	N	700	N	50.0	5,000	1,500	N	30	3	70
MEH0378	N	N	500	N	30.0	3,000	1,000	1,500	70	2	30
ELM0230	N	N	300	N	15.0	1,000	150	N	100	N	50
GHA0257	N	N	300	N	15.0	1,500	150	N	30	N	70
MEH0374	N	N	500	N	20.0	10,000	300	300	50	N	20
ELM0261	N	N	1,000	N	50.0	7,000	1,500	300	20	N	70
GHA0331	N	N	700	N	50.0	>10,000	700	200	30	3	70
MEH0376	N	N	500	N	30.0	>10,000	700	300	500	5	20
GHA0328	N	N	1,000	N	50.0	3,000	1,000	200	30	3	70
ELM0218	N	N	700	N	50.0	2,000	150	N	20	N	50
ELM0201	N	N	300	N	20.0	2,000	300	N	30	N	30
GHA0276	N	N	500	N	30.0	7,000	500	300	50	N	200
ELM0249	N	N	500	<100	30.0	3,000	300	N	20	2	100
ELM0226	N	N	500	<100	30.0	1,500	100	N	70	N	30
ELM0269	N	N	700	N	50.0	2,000	50	N	20	N	50
GHA0331	N	N	700	N	30.0	10,000	1,000	300	50	2	70
ELM0239	N	N	700	N	30.0	5,000	1,500	200	200	3	70
ELM0267	N	N	700	N	50.0	1,500	100	N	20	2	50
GHA0325	N	N	2,000	N	>50.0	3,000	1,000	200	50	3	100
ELM0302	N	N	700	N	30.0	3,000	1,000	200	20	N	70
MEH0413	N	N	500	N	30.0	10,000	2,000	700	2,000	5	50
GHA0322	N	N	1,500	N	50.0	3,000	200	N	20	2	100
GHA0290	N	N	1,000	N	50.0	3,000	200	N	30	2	70
MEH0382	N	N	700	N	30.0	7,000	1,000	300	50	3	70
ELM0251	N	N	1,500	N	50.0	5,000	1,000	N	30	3	70
MEH0393	N	N	500	N	20.0	5,000	700	N	30	2	100
GHA0353	N	N	1,000	<100	50.0	>10,000	1,000	200	100	3	70
ELM0234	N	N	1,000	N	50.0	5,000	1,000	200	30	N	70
MEH0388	N	N	700	N	30.0	3,000	700	300	50	N	100
ELM0284	N	N	700	N	50.0	3,000	500	N	20	2	100
ELM0287	N	N	1,000	N	50.0	5,000	700	N	30	N	100
GHA0282	N	N	500	N	30.0	7,000	1,500	700	200	5	100
ELM0232	N	N	1,500	N	>50.0	10,000	1,000	N	50	3	100
ELM0254	N	N	1,000	N	30.0	5,000	1,000	<200	30	3	100
ELM0259	N	N	1,500	N	50.0	3,000	300	N	N	2	100
ELM0220	N	N	1,000	N	30.0	2,000	70	N	70	N	50
MEH0012	N	N	700	N	50.0	5,000	500	N	100	3	150
MEH0008	N	N	1,000	N	50.0	3,000	300	200	50	3	70
MEH0128	N	N	200	N	15.0	7,000	N	N	100	N	15
LCH0085	N	N	500	<100	30.0	10,000	700	N	30	3	20
LCH0042	N	N	500	N	50.0	5,000	300	300	50	7	150
MEH0034	N	N	700	N	50.0	3,000	500	300	30	3	100

ELM0174 31 12 29 110 58 1 200 15 10 ---

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
JGF0391	200	2.00	5.00	50	30	30	300	N	N	1.000
ELM0208	150	.70	.30	300	30	20	200	N	N	1.500
ELM0182	100	.50	.70	100	70	20	300	N	N	1.000
ELM0242	300	.50	.70	70	30	20	300	N	N	2.000
MEH0378	100	3.00	1.00	150	30	30	300	N	N	1.000
ELM0230	70	.20	.20	N	N	10	50	20	N	.700
GHA0257	200	1.00	.70	N	20	10	200	N	N	.700
MEH0374	150	3.00	1.00	50	70	30	500	N	70	>2.000
ELM0261	200	2.00	2.00	70	50	50	300	N	N	>2.000
GHA0331	200	2.00	1.00	50	50	30	200	N	70	>2.000
MEH0376	150	5.00	1.00	100	70	50	500	N	50	>2.000
GHA0328	200	5.00	5.00	200	70	70	100	N	N	1.500
ELM0218	150	.70	.30	150	50	30	200	20	50	2.000
ELM0201	100	.50	.20	500	50	20	200	N	N	.700
GHA0276	2,000	10.00	7.00	150	70	70	200	N	N	2.000
ELM0249	200	.50	.50	100	50	30	200	20	N	2.000
ELM0226	150	1.00	.20	500	70	30	200	N	N	1.500
ELM0269	200	.15	.20	100	70	30	500	N	50	1.500
GHA0331	200	3.00	1.00	70	70	30	500	N	70	2.000
ELM0239	150	1.00	1.00	100	70	30	200	N	<50	2.000
ELM0267	200	.20	.20	200	300	50	500	N	70	>2.000
GHA0325	200	2.00	2.00	200	30	50	150	N	N	1.000
ELM0302	200	1.50	1.00	50	20	30	100	N	N	2.000
MEH0413	70	3.00	1.50	500	150	50	700	N	50	>2.000
GHA0322	300	3.00	3.00	100	50	70	100	N	N	>2.000
GHA0290	150	.50	.30	100	50	30	200	N	N	>2.000
MEH0382	200	2.00	1.00	200	70	30	300	N	<50	>2.000
ELM0251	300	1.00	1.00	200	100	50	500	N	<50	>2.000
MEH0393	300	1.50	1.50	150	50	30	200	N	N	1.000
GHA0353	300	5.00	.50	100	70	30	300	N	<50	2.000
ELM0234	200	2.00	1.00	100	50	30	150	N	<50	>2.000
MEH0388	300	2.00	1.50	200	50	30	200	N	N	2.000
ELM0284	200	.70	.50	100	50	30	150	N	<50	>2.000
ELM0287	500	.50	.50	50	70	20	500	N	N	2.000
GHA0282	200	7.00	1.00	50	50	30	100	N	N	.700
ELM0232	200	.70	1.50	100	50	30	150	N	50	>2.000
ELM0254	150	1.50	1.50	100	70	30	200	N	N	2.000
ELM0259	200	.50	.30	100	50	30	500	N	N	>2.000
ELM0220	150	.10	.30	70	20	20	100	N	<50	1.500
MEH0012	700	3.00	5.00	2,000	100	50	500	N	<50	1.500
MEH0008	200	2.00	1.00	300	200	30	500	N	70	1.500
MEH0128	70	1.00	.30	N	70	10	70	N	N	.500
LCH0085	70	.20	.30	N	50	20	200	N	N	1.500
LCH0042	300	5.00	1.00	1,500	150	30	300	N	70	2.000
MEH0034	200	3.00	1.00	2,000	150	30	200	N	50	2.000

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Latitude	Longitude	Cu-ppm s	Mo-ppm s	Pb-ppm s	Zn-ppm s	Cd-ppm s	Co-ppm s	Ag-ppm s	Au-ppm s	As-ppm s
MEH0130	31 1 6	111 20 40	300	15	200	N	N	100	N	N	N
MEH0085	31 3 49	111 29 25	1,000	70	500	N	N	200	N	N	N
MEH0015	31 22 23	111 29 14	70	10	100	N	N	50	N	N	N
ELM0006	31 24 15	111 32 31	30	N	70	N	N	20	N	N	N
MEH0116	31 3 35	111 23 1	200	10	300	1,500	N	70	N	N	N
MEH0093	31 1 42	111 27 11	300	20	300	N	N	70	N	N	N
MEH0010	31 22 27	111 29 9	200	<10	500	1,000	N	100	N	N	N
MEH0019	31 22 22	111 30 17	150	<10	300	N	N	70	N	N	N
MEH0072	31 6 15	111 29 32	700	50	700	500	N	150	N	N	N
MEH0032	31 13 31	111 27 38	700	50	500	N	N	200	1.0	N	N
ELM0004	31 23 23	111 33 14	70	N	200	700	N	30	N	N	N
ELM0031	31 17 1	111 28 57	100	N	300	700	N	70	N	N	N
ELM0039	31 16 56	111 27 45	150	10	200	500	N	70	N	N	N
MEH0132	31 0 40	111 21 6	500	30	700	500	N	150	N	N	N
ELM0042	31 17 14	111 27 9	50	N	200	700	N	70	N	N	N
ELM0036	31 17 12	111 27 48	70	N	200	N	N	70	N	N	N
ELM0002	31 23 44	111 33 31	100	N	200	N	N	20	N	N	N
MEH0007	31 21 19	111 31 11	150	30	300	N	N	200	N	N	N
ELM0058	31 15 41	111 27 44	700	100	500	N	N	100	N	N	N
ELM0015	31 27 2	111 30 10	100	10	500	N	N	30	N	N	N
MEH0056	31 4 11	111 30 59	1,000	70	300	N	N	300	N	N	N
ELM0056	31 15 31	111 27 51	200	30	300	N	N	50	N	N	N
MEH0122	31 1 59	111 23 20	500	50	500	N	N	200	N	N	N
MEH0126	31 1 39	111 19 0	50	N	100	N	N	10	N	N	N
GHA0310	30 41 38	110 14 18	200	N	150	700	N	100	N	N	N
MEH0272	31 3 40	110 28 54	200	N	300	N	N	70	N	N	N
MEH0315	30 55 12	110 35 33	150	10	150	N	N	50	N	N	N
MEH0139	30 57 36	111 23 20	200	20	200	N	N	50	N	N	N
GHA0002	31 19 54	111 32 9	70	N	200	500	N	70	N	N	N

ELM0174 31 12 27 110 30 1 200 -- -- -- --

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Sb-ppm s	Bi-ppm s	V-ppm s	W-ppm s	Fe-pct. s	Mn-ppm s	Ba-ppm s	Sr-ppm s	B-ppm s	Be-ppm s	Ni-ppm s
MEH0130	N	N	500	<100	50.0	10,000	500	N	200	5	50
MEH0085	N	N	500	N	30.0	>10,000	1,500	N	70	7	100
MEH0015	N	N	500	N	20.0	5,000	1,000	200	700	N	200
ELM0006	N	N	500	N	30.0	>10,000	70	N	N	N	20
MEH0116	N	N	500	N	50.0	>10,000	200	N	100	2	50
MEH0093	N	N	500	N	30.0	5,000	300	N	150	3	50
MEH0010	N	N	700	N	50.0	5,000	1,500	N	30	N	100
MEH0019	N	N	1,000	N	50.0	5,000	1,000	200	700	3	150
MEH0072	N	N	700	100	50.0	5,000	700	N	20	15	100
MEH0032	N	N	700	N	50.0	2,000	300	700	20	7	100
ELM0004	N	N	500	N	30.0	3,000	150	N	70	N	30
ELM0031	N	N	700	N	50.0	3,000	300	N	20	3	50
ELM0039	N	N	700	N	50.0	1,500	200	N	20	N	100
MEH0132	N	70	500	N	50.0	7,000	700	200	300	5	70
ELM0042	N	N	1,000	N	50.0	3,000	200	N	20	2	70
ELM0036	N	N	700	N	50.0	2,000	100	N	20	N	30
ELM0002	N	N	700	N	50.0	>10,000	100	N	20	2	20
MEH0007	N	N	700	N	50.0	5,000	300	300	150	7	70
ELM0058	N	N	500	2,000	50.0	3,000	500	300	20	5	70
ELM0015	N	N	300	N	15.0	5,000	150	N	50	N	30
MEH0056	N	N	500	N	50.0	>10,000	1,500	N	70	3	100
ELM0056	N	N	500	100	20.0	1,000	N	N	20	N	30
MEH0122	N	N	500	100	50.0	7,000	1,000	200	150	10	70
MEH0126	N	N	200	N	10.0	>10,000	N	N	100	N	20
GHA0310	N	N	2,000	N	>50.0	5,000	1,500	N	30	5	100
MEH0272	N	N	1,000	N	30.0	5,000	500	N	100	5	70
MEH0315	N	N	500	N	50.0	7,000	1,500	N	200	7	30
MEH0139	N	N	700	N	50.0	>10,000	500	300	500	2	70
GHA0002	N	N	1,000	N	>50.0	3,000	200	N	30	5	70

TABLE 3. Analytical data for slightly magnetic heavy-mineral concentrate samples collected during the U.S.G.S.-C.R.M. regional reconnaissance, northern Sonora, Mexico--continued

Sample	Cr-ppm s	Ca-pct. s	Mg-pct. s	La-ppm s	Y-ppm s	Sc-ppm s	Zr-ppm s	Sn-ppm s	Nb-ppm s	Ti-pct. s
MEH0130	200	1.00	.30	500	100	30	500	N	70	>2.000
MEH0085	150	1.00	.50	500	150	30	200	N	50	2.000
MEH0015	500	10.00	5.00	300	100	70	300	N	N	1.000
ELM0006	150	1.00	.30	700	2,000	70	200	N	500	1.500
MEH0116	200	.70	.50	50	150	20	500	N	70	1.500
MEH0093	200	.50	.30	200	70	20	300	20	70	1.500
MEH0010	200	.50	.50	300	50	20	500	30	<50	2.000
MEH0019	500	5.00	5.00	500	150	50	700	N	50	>2.000
MEH0072	150	1.00	.50	300	150	30	200	N	<50	>2.000
MEH0032	200	5.00	1.00	2,000	150	30	200	N	<50	1.000
ELM0004	100	.30	.10	700	100	20	300	N	<50	2.000
ELM0031	150	1.50	1.00	1,000	100	30	500	20	N	2.000
ELM0039	200	2.00	1.50	1,500	150	30	700	20	<50	2.000
MEH0132	150	1.50	.50	500	150	30	500	20	50	1.500
ELM0042	150	1.00	1.50	300	50	30	200	N	<50	>2.000
ELM0036	100	.10	.20	N	20	15	200	N	N	1.000
ELM0002	70	.30	.20	>2,000	>2,000	50	700	N	200	2.000
MEH0007	150	3.00	1.00	1,000	1,000	30	700	20	50	2.000
ELM0058	150	3.00	1.00	1,500	200	20	>2,000	N	N	.700
ELM0015	100	.50	.10	300	150	15	200	N	70	.700
MEH0056	150	1.00	.70	300	300	30	150	N	150	2.000
ELM0056	150	1.00	.20	700	30	N	2,000	N	N	.300
MEH0122	150	1.50	.30	700	100	30	500	N	<50	2.000
MEH0126	100	1.00	.30	N	70	10	100	N	N	.500
GHA0310	200	2.00	1.50	150	100	50	300	N	N	>2.000
MEH0272	150	1.50	.30	150	70	30	200	N	50	>2.000
MEH0315	100	1.00	.50	200	200	50	1,000	30	100	>2.000
MEH0139	200	3.00	1.00	200	200	50	500	N	50	2.000
GHA0002	150	.20	.30	200	100	30	500	20	50	2.000