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ANALYTICAL RESULTS AND SAMPLE LOCALITY MAP OF STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1^{o} x 2^{o} QUADRANGLE, NEVADA

by

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STUDIES RELATED TO CUSMAP

This report presents the results of a geochemical survey of stream sediments from most of the Tonopah 1° x 2° quadrangle, Nevada. Geochemical sampling and interpretation is one of several multidisciplinary studies being conducted as part of the Conterminous United States Mineral Appraisal Program (CUSMAP) in the Tonopah quadrangle.

INTRODUCTION

In 1982 and 1983, stream sediments were collected from most parts of the Tonopah 1° x 2° quadrangle, Esmeralda, Mineral, and Nye Counties, Nevada to provide a regional geochemical database. Sampling and studies in 1982 were of selected areas to establish the stream-sediment sampling methodology; some of the results of the 1982 studies are in Siems and others (1984). In 1983, the studies were continued with logistical support of a helicopter. Some areas in the eastern and southeastern part of the quadrangle were sampled in June and July 1984, and analyses of those samples will be released at a later date.

The Tonopah 1° x 2° quadrangle comprises about 7,450 mi^2 (19,100 km^2) in west-central Nevada. Topography is characteristic of the Basin and Range Province, consisting of angular mountain ranges separated by broad valleys. Topographic relief is generally about 3,000 feet, but in some places is more than 5,000 feet. Most of the area has well-developed drainages in steep-walled canyons occupied by intermittent streams. The climate is semi-arid to arid. Pinon pine and juniper grow in most places at elevations above 7,000 feet, and sagebrush is abundant at lower elevations. Major access is provided by U. S. Routes 6 and 95, and there are numerous county-maintained gravel roads and unmaintained jeep trails.

In this report, we present analytical data for stream sediments from 999 sites. Also reported are analytical data for replicate samples collected from 42 of the sites, and analytical data for six size fractions of sediment collected at 15 sites. A similar number of panned concentrate samples have been collected and are being processed in the laboratory; results will be reported at a later time. The regional stream-sediment sampling program was completed in 1984 when an additional 190 sites were sampled. More than 2,000 rock samples from mines, prospects, dumps, and altered areas have been collected as part of other geochemical and geologic studies, and results from those samples will also be reported later.

Geology and mineral deposits of the Tonopah quadrangle have been described in many reports; useful summaries can be found in reports describing the counties (Kral, 1951; Ross, 1961; Albers and Stewart, 1972; and Kleinhampl and Ziony, 1984). Rocks range in age from late Precambrian to Tertiary, and rocks of all ages and compositions contain at least some mineral prospects. Historic mines and prospects are particularly abundant in the central and western parts of the quadrangle, but mineral exploration has been active in most of the quadrangle.

METHODS OF STUDY

Sample Collection

Samples were collected from 999 sites (plate 1). The objective of this regional geochemical survey was to achieve a sample density of about one site per 5 square miles of outcrop (the numerous broad valleys are not considered). First-order (unbranched) or second-order streams were selected for sampling based on basins evident on 1:24,000- and 1:62,500-scale topographic maps. No site was more than 300 m from bedrock. Most streams were dry when sampled, but in 1983, an unusually wet summer, about 25 percent of the streams were wet. The stream-sediment samples were taken from active alluvium and composited from several sites or channels within a radius of about 10 m. Duplicate samples were collected at 42 of the sites as a test of sampling and analytical error. Because of the numerous prospects and mines in the quadrangle contamination by mining is a potential problem, but we attempted to avoid contamination by selecting sites upstream from visible disturbance or mining.

Approximately 1 kg of sediment that passed through a 10-mesh (2 mm) stainless steel screen was collected for the stream-sediment sample, and about 10 kg of the same alluvium was collected for later processing of panned concentrates since most sites were too dry for panning.

Sample Preparation

The stream-sediment samples were air dried in the laboratory and sieved to -60 mesh (.25 mm) using stainless steel sieves. The sediment that passed through the sieve was retained for analysis. The minus 60-mesh fraction was selected on the basis of results from 29 size fraction tests reported by Siems and others (1984) and 15 size fraction tests reported here (Table 4). The -60 mesh material was pulverized in a grinder with ceramic plates to a minus 100-mesh (0.15 mm) grain size for analysis.

Sample Analysis

All samples were analyzed for 31 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). Limits of determination are summarized in Table 1. Spectrographic results are obtained by visual comparison of spectra from the sample with spectra obtained from standards made of pure oxides and carbonates. Reported concentrations are geometrically spaced over a given order of magnitude as follows: 1, 1.5, 2, 3.5, 5, 7, and 10. The precision of the method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (iron, magnesium, calcium, and titanium) are reported in weight percent of the element; all other elements are reported in parts per million (micrograms/gram) (Table 1).

All samples were also analyzed using a wet chemical procedure for elements of special interest (e.g. bismuth) or which have high limits of determination by emission spectrography (such as As, Sb, and Zn). The wet chemical methods are summarized in Table 2.

Rock Analysis Storage System

Upon completion of the analytical work, results were entered into a computer-based file called Rock Analysis Storage System (RASS) that contains both the analytical data and descriptive geologic and geographic information for each sample. Parts of the RASS data were retrieved under a slightly different format and manipulated using routines of the STATPAC system (VanTrump and Miesch, 1976).

GEOCHEMICAL RESULTS

Analytical results for 999 samples are given in Table 3. A statistical summary of the results is shown in Table 4. The elements As, Au, Cd, Sb, Sn, and Th determined by emission spectrography are not reported in Table 3 because few or no concentrations were high enough to be determined (Table 4). We do not analyze the stream-sediment samples for gold by a sensitive chemical method because we feel that sampling problems in the field (chiefly the "nugget effect") make the determination of gold unreliable in these reconnaissance studies.

Fifteen stream-sediment samples were sieved into six size fractions to determine the optimum size fraction to enhance geochemical signatures. The analytical results (Table 5), as well as those reported for a similar size-fraction test (Siems and others, 1984), indicated to us a slight enhancement in the minus 60-mesh fraction relative to finer fractions that often are analyzed in stream-sediment programs.

Replicate samples were collected at 42 sites to examine the total error in sampling and analysis. Data for 42 pairs of samples collected at the same site are given in Table 6.

EXPLANATION OF TABLES 3 TO 6

Sample numbers contain the following abbreviations:
- First chararcter: T, Tonopah project
- Second character: sampler--B, S. Budge; F, R. Fairfield, H, R. Hill; N, T. Nash, and Z, S. Zuker.
- Third character: sample media--S, stream sediment.
- Fourth to eighth characters: sample locality, a unique number for the topographic map and site in that area.

Analytical method: indicated by abbreviation under element-- AA, atomic absorption; S, emission spectrography.

Table 5.--size fractions are indicated by abbreviation in eighth character of sample number: A, -35 mesh (0.50 mm) +45 mesh (.354 mm); B, -45 mesh +60 mesh (.250 mm); C, -60 mesh +80 mesh (.177 mm); D, -80 mesh +120 mesh (.125 mm); E, -120 mesh +200 mesh (.075 mm); F, -200 mesh.

Table 6.--Replicate samples are given in successive lines of the table and have different sample numbers. The replicates were taken in the field from the same material.

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Table 1.--Limits of determination for the spectrographic analysis of rocks and stream sediments, based on a 10-mg sample

Elements	Lower determination limit	Upper determination limit
	Percent	
Iron (Fe)	0.05	20
Magnesium (Mg)	.02	10
Calcium (Ca)	.05	20
Titanium (Ti)	.002	1
	Parts per million	
Manganese (Mn)	10	5,000
Silver (Ag)	0.5	5,000
Arsenic (As)	200	10,000
Gold (Au)	10	500
Boron (B)	10	2,000
Barium (Ba)	20	5,000
Beryllium (Be)	1	1,000
Bismuth (Bi)	10	1,000
Cadmium (Cd)	20	500
Cobalt (Co)	5	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Lanthanum (La)	20	1,000
Molybdenum (Mo)	5	2,000
Niobium (Nb)	20	2,000
Nickel (Ni)	5	5,000
Lead (Pb)	10	20,000
Antimony (Sb)	100	10,000
Scandium (Sc)	5	100
Tin (Sn)	10	1,000
Strontium (Sr)	100	5,000
Vanadium (V)	10	10,000
Tungsten (W)	50	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Thorium (Th)	100	2,000

Table 2.--Chemical methods used

Sample type	Constituent determined	Analytical method	Determination limit[1] micrograms/ gram or ppm	Reference
Sediments	As	AA	2	Modification of Viets, 1978
	As	AA	5	Modification of Viets
	Bi	AA	1	Modification of Viets
	Cd	AA	0.1	Modification of Viets
	Zn	AA	5	Modification of Viets

[1]The determination limit is dependent upon sample weight. Stated limits imply use of optimum sample weight; higher limits of determination result from use of smaller sample weights.

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TBS11010	38 53 45	117 46 20	5.0	.70	1.0	.50	1,000	N	50	1,000	5.0
TBS11011	38 58 15	117 44 50	3.0	.70	1.5	.30	1,000	.5	70	1,000	5.0
TBS11012	38 59 20	117 48 0	5.0	1.00	1.5	.30	1,000	2.0	50	1,000	5.0
TBS11013	38 57 50	117 50 0	5.0	1.50	2.0	.30	1,500	7.0	150	1,000	7.0
TBS11014	38 57 30	117 50 0	7.0	1.50	1.5	.50	2,000	1.0	100	1,000	7.0
TBS11015	38 56 45	117 49 50	5.0	1.50	1.0	.50	700	.5	200	1,000	5.0
TBS11016	38 55 0	117 51 40	5.0	2.00	1.5	.50	700	N	150	1,000	5.0
TBS11017	38 54 20	117 49 15	5.0	1.00	1.0	.30	1,000	<.5	100	1,000	7.0
TBS11018	38 53 15	117 50 0	5.0	5.00	1.0	.50	1,000	N	300	1,000	5.0
TBS11019	38 53 15	117 53 40	3.0	5.00	2.0	.30	700	N	200	700	3.0
TBS11028	38 58 45	117 55 45	5.0	2.00	2.0	.50	1,000	N	70	1,000	5.0
TBS11029	38 58 30	117 54 20	3.0	1.50	1.5	.30	1,000	N	50	1,000	5.0
TBS11030	38 58 33	117 46 15	7.0	1.50	2.0	.50	1,500	N	150	1,500	5.0
TBS12001	38 45 15	117 31 15	3.0	.70	1.0	.30	1,000	N	30	1,000	3.0
TBS12003	38 45 30	117 36 5	5.0	1.00	1.5	.30	1,000	N	50	1,000	5.0
TBS12006	38 48 45	117 36 15	5.0	1.00	1.0	.30	1,000	N	70	700	5.0
TBS12009	38 48 45	117 33 45	3.0	1.00	2.0	.30	1,000	N	50	1,500	5.0
TBS12010	38 50 30	117 33 45	2.0	1.00	1.0	.20	1,000	N	50	1,000	5.0
TBS12014	38 54 20	117 44 45	3.0	.50	1.0	.30	1,000	N	50	1,000	7.0
TBS12015	38 55 0	117 43 30	5.0	.70	1.5	.50	1,500	N	70	1,000	7.0
TBS12016	38 56 47	117 44 13	5.0	.70	1.5	.70	1,000	N	50	1,500	5.0
TBS12017	38 58 45	117 43 45	7.0	.70	1.5	.50	1,000	N	70	1,000	5.0
TBS13C02	38 46 40	117 22 5	2.0	.50	1.0	.20	700	N	50	1,000	5.0
TBS13C04	38 47 10	117 20 10	2.0	.30	.7	.30	700	N	30	1,000	5.0
TBS13C06	38 48 5	117 19 50	2.0	.30	.7	.50	500	N	50	1,000	7.0
TBS13C08	38 49 55	117 15 5	3.0	.50	1.0	.30	700	N	50	1,500	7.0
TBS13C09	38 50 40	117 17 35	1.0	.20	.5	.15	500	N	30	500	7.0
TBS13C11	38 51 40	117 16 5	2.0	.30	.5	.20	500	N	30	700	5.0
TBS13C13	38 51 10	117 17 40	2.0	.30	.5	.20	700	.5	50	700	7.0
TBS13D03	38 47 30	117 28 10	3.0	1.00	1.5	.30	700	N	50	1,500	5.0
TBS13D05	38 48 30	117 25 40	3.0	1.00	1.5	.50	700	N	30	1,000	5.0
TBS13D06	38 48 30	117 24 40	1.5	.20	1.0	.20	500	N	30	700	5.0
TBS13D08	38 47 45	117 23 45	2.0	.50	1.0	.30	500	N	30	1,000	5.0
TBS13D09	38 50 0	117 26 10	2.0	.50	1.5	.20	500	N	30	1,000	5.0
TBS13D11	38 51 20	117 28 20	2.0	.50	1.0	.30	500	N	30	1,000	3.0
TBS13D13	38 51 25	117 27 50	3.0	.50	1.0	.50	700	N	30	1,000	5.0
TBS13D15	38 52 0	117 24 40	2.0	.50	1.0	.30	700	N	50	1,000	3.0
TBS14C10	38 46 30	117 0 10	3.0	.50	1.5	.20	700	N	50	1,000	5.0
TBS14D02	38 46 6	117 12 26	2.0	.70	1.5	.20	500	N	70	1,000	3.0
TBS14D03	38 47 50	117 12 30	3.0	.70	1.0	.30	1,000	N	50	500	5.0
TBS14D05	38 50 35	117 13 5	3.0	.50	1.0	.30	700	N	30	1,000	5.0
TBS15A01	38 54 20	116 55 5	2.0	.50	1.0	.20	1,000	N	50	1,000	10.0
TBS15A03	38 54 40	116 57 0	2.0	.70	.7	.20	1,000	.5	70	700	5.0
TBS15A07	38 55 10	116 58 40	3.0	1.50	1.5	.30	1,000	.7	150	2,000	7.0
TBS15A11	38 58 35	116 58 20	3.0	1.00	1.0	.30	1,000	<.5	100	1,500	7.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TBS11010	15	50	20	50	N	<20	20	30	15	500	150
TBS11011	10	30	20	30	N	N	20	30	10	500	100
TBS11012	15	20	30	30	N	N	20	200	10	500	150
TBS11013	20	50	100	70	N	N	50	150	15	300	200
TBS11014	30	50	100	70	N	N	50	70	15	300	200
TBS11015	20	50	30	50	N	N	20	20	15	300	200
TBS11016	15	50	20	50	N	N	20	20	15	500	200
TBS11017	15	50	20	50	N	N	20	50	10	500	150
TBS11018	30	70	50	50	N	N	30	70	15	500	150
TBS11019	15	150	20	70	N	N	20	50	10	500	100
TBS11028	20	70	30	50	N	N	15	50	15	700	200
TBS11029	15	30	15	70	N	N	20	50	10	500	100
TBS11030	30	70	50	50	5	N	50	50	15	500	200
TBS12001	15	20	10	20	N	N	15	15	10	700	150
TBS12003	15	50	15	50	N	N	15	20	10	700	150
TBS12006	15	70	20	70	N	N	20	20	10	300	150
TBS12009	15	20	10	30	N	N	20	20	7	1,000	100
TBS12010	10	15	15	50	N	N	5	30	7	500	70
TBS12014	10	20	10	200	N	N	10	15	10	300	100
TBS12015	20	50	20	50	N	N	15	20	10	700	150
TBS12016	20	50	15	70	N	<20	15	30	10	700	200
TBS12017	15	50	20	50	N	N	20	20	10	500	200
TBS13C02	7	15	5	150	N	N	5	20	5	300	50
TBS13C04	7	20	5	100	N	N	5	20	5	200	70
TBS13C06	7	15	5	200	N	20	<5	20	10	200	50
TBS13C08	7	30	7	70	N	N	15	20	10	500	100
TBS13C09	5	<10	5	50	N	<20	<5	20	5	200	30
TBS13C11	5	10	5	100	N	N	<5	15	7	200	100
TBS13C13	5	10	7	200	N	<20	5	50	7	200	50
TBS13D03	10	20	10	20	N	N	10	20	7	1,000	100
TBS13D05	15	50	10	30	N	N	7	15	10	1,000	150
TBS13D06	7	15	<5	50	N	N	<5	20	5	200	30
TBS13D08	10	20	<5	30	N	N	5	10	7	300	70
TBS13D09	10	20	5	50	N	N	<5	15	7	500	70
TBS13D11	10	50	7	50	N	N	5	15	10	500	150
TBS13D13	10	30	10	500	N	N	7	20	10	300	100
TBS13D15	7	15	10	50	N	N	5	20	7	300	70
TBS14C10	7	10	7	50	N	N	10	30	10	700	70
TBS14D02	15	50	15	50	5	N	30	15	7	200	150
TBS14D03	15	50	10	30	5	N	30	10	15	300	150
TBS14D05	7	30	5	150	10	N	10	20	10	300	100
TBS15A01	7	20	15	200	5	N	15	20	7	300	100
TBS15A03	7	30	20	50	<5	<20	20	30	7	300	100
TBS15A07	10	70	50	200	10	N	50	50	15	300	300
TBS15A11	10	50	20	300	N	N	30	30	10	300	150

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TBS11010	N	20	N	300	20	60	.2	N	N
TBS11011	N	15	N	70	40	45	.1	N	2
TBS11012	N	20	<200	100	<10	150	.3	N	N
TBS11013	N	20	<200	100	30	140	.5	N	N
TBS11014	N	30	N	300	40	60	.1	N	2
TBS11015	N	20	N	150	30	35	N	N	N
TBS11016	N	20	N	100	20	30	N	N	N
TBS11017	N	20	N	150	20	25	.1	N	4
TBS11018	N	20	N	70	10	15	N	N	2
TBS11019	N	30	N	100	20	25	N	N	N
TBS11028	N	15	N	200	20	35	N	N	N
TBS11029	N	20	N	100	10	45	N	N	N
TBS11030	N	20	N	100	30	60	N	N	N
TBS12001	N	20	N	200	N	75	N	N	2
TBS12003	N	20	N	500	5	50	N	N	3
TBS12006	N	20	N	200	15	60	N	N	12
TBS12009	N	15	N	150	<5	50	N	N	2
TBS12010	N	15	N	150	15	40	N	N	2
TBS12014	N	20	N	300	10	55	N	N	N
TBS12015	N	20	N	200	10	60	N	N	N
TBS12016	N	30	N	300	10	60	.4	N	N
TBS12017	N	20	N	300	10	60	.3	N	N
TBS13C02	N	30	N	300	5	35	N	N	2
TBS13C04	N	20	N	500	<5	55	N	N	1
TBS13C06	N	30	N	300	N	40	N	N	N
TBS13C08	N	20	N	200	5	50	N	N	N
TBS13C09	N	30	N	300	5	50	.1	N	N
TBS13C11	N	30	N	150	10	55	.1	N	N
TBS13C13	N	50	N	700	10	55	.1	N	<1
TBS13D03	N	10	N	100	N	45	N	N	N
TBS13D05	N	20	N	500	N	50	N	N	N
TBS13D06	N	15	N	200	N	35	N	N	N
TBS13D08	N	20	N	300	N	40	N	N	N
TBS13D09	N	20	N	200	N	65	N	N	N
TBS13D11	N	20	N	700	N	70	N	N	N
TBS13D13	N	20	N	500	10	130	N	N	3
TBS13D15	N	20	N	200	<5	80	N	N	N
TBS14C10	N	20	N	300	<4	50	.1	N	N
TBS14D02	N	15	N	100	25	100	.8	N	5
TBS14D03	N	20	N	200	N	70	N	N	N
TBS14D05	N	20	N	700	N	65	N	N	N
TBS15A01	N	20	N	100	30	65	.5	N	N
TBS15A03	N	20	N	150	10	50	.1	N	2
TBS15A07	N	30	N	200	25	130	.7	N	N
TBS15A11	N	30	N	200	20	70	.3	N	N

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TBS15A13	38 59 15	116 53 35	2.0	.70	1.5	.20	700	.5	150	3,000	7.0
TBS15B02	38 54 30	116 51 0	1.5	.50	1.0	.20	1,000	<.5	100	1,000	7.0
TBS15B03	38 54 10	116 47 30	3.0	1.50	5.0	.30	1,000	1.0	200	5,000	5.0
TBS15B06	38 56 30	116 47 0	3.0	1.00	1.5	.50	1,000	1.5	200	5,000	7.0
TBS15B10	38 57 55	116 46 0	7.0	2.00	.7	.70	1,500	N	200	1,500	7.0
TBS15B13	38 59 50	116 45 50	3.0	1.00	3.0	.50	700	N	200	>5,000	5.0
TBS15C06	38 50 55	116 50 0	2.0	.50	1.0	.20	1,000	N	70	1,000	10.0
TBS15C07	38 51 40	117 49 30	2.0	.50	1.5	.20	700	N	50	1,000	5.0
TBS15D09	38 51 28	116 58 40	1.5	.30	1.0	.20	500	N	30	1,000	5.0
TBS15D10	38 52 20	116 52 34	3.0	.70	.7	.20	1,000	.7	70	700	7.0
TBS16A01	38 53 5	116 38 40	2.0	.50	1.0	.30	700	N	70	2,000	10.0
TBS16A03	38 57 50	116 38 50	3.0	.50	1.0	.50	700	N	50	1,500	5.0
TBS16B04	38 55 12	116 33 52	7.0	.50	1.0	1.00	1,500	N	50	1,500	7.0
TBS16B07	38 57 54	116 32 54	7.0	1.50	1.5	1.00	1,500	N	30	1,000	5.0
TBS16B09	38 59 54	116 32 48	7.0	.70	1.5	1.00	1,000	N	30	1,500	5.0
TBS16C03	38 46 15	116 32 35	3.0	.30	1.0	.30	700	N	30	1,000	5.0
TBS16C05	38 47 30	116 30 0	2.0	.50	1.0	.20	700	N	70	1,000	5.0
TBS16C07	38 49 40	116 33 10	2.0	.30	1.0	.20	700	N	30	1,000	5.0
TBS16D01	38 45 50	116 38 35	5.0	.70	1.5	.50	1,000	N	50	1,500	7.0
TBS16D03	38 46 40	116 43 5	5.0	.70	2.0	.30	1,000	N	30	2,000	5.0
TBS16D04	38 46 32	116 40 52	3.0	.70	1.0	.30	700	N	20	1,000	5.0
TBS16D07	38 48 0	116 40 20	2.0	.50	1.0	.30	700	N	50	1,000	5.0
TBS16D10	38 49 0	116 41 0	3.0	.70	1.5	.30	1,000	N	30	1,000	5.0
TBS17B03	38 53 48	116 19 8	7.0	1.50	1.5	>1.00	1,500	N	20	700	5.0
TBS17B04	38 55 26	116 17 30	3.0	.70	1.0	.70	1,000	N	50	700	7.0
TBS17B05	38 57 56	116 17 8	7.0	1.50	2.0	1.00	1,500	N	30	1,000	5.0
TBS17B06	38 59 12	116 17 36	10.0	1.00	1.5	>1.00	1,500	N	30	1,000	5.0
TBS17B07	38 57 56	116 21 6	5.0	2.00	1.5	.70	1,500	N	50	1,000	5.0
TBS17C01	38 45 40	116 16 30	5.0	1.00	2.0	.50	1,000	N	70	1,000	7.0
TBS17C02	38 46 40	116 16 10	10.0	1.00	1.5	1.00	1,500	N	30	1,000	5.0
TBS17C03	38 47 20	116 16 10	20.0	.70	1.0	>1.00	3,000	N	30	700	5.0
TBS17C04	38 49 0	116 16 10	2.0	.50	1.5	.30	700	N	50	1,000	7.0
TBS17C05	38 51 0	116 15 30	10.0	.50	1.5	>1.00	2,000	N	20	1,000	7.0
TBS17C06	38 51 40	116 15 10	7.0	.50	1.5	1.00	1,500	N	20	1,000	7.0
TBS17C07	38 51 5	116 20 0	20.0	.50	1.0	>1.00	3,000	N	20	700	5.0
TBS17C08	38 50 30	116 20 40	7.0	.50	1.5	.70	1,000	N	50	1,000	5.0
TBS17C09	38 48 50	116 21 20	5.0	1.00	2.0	.50	1,000	2.0	30	1,000	7.0
TBS17C10	38 47 25	116 20 50	2.0	.50	1.0	.20	700	.5	50	1,000	5.0
TBS17C11	38 46 50	116 21 30	3.0	.70	1.5	.20	700	N	50	1,500	5.0
TBS17C12	38 45 50	116 21 20	7.0	1.00	2.0	.70	1,500	N	50	1,000	5.0
TBS17D01	38 50 22	116 29 58	2.0	2.00	3.0	.50	1,000	N	100	1,000	7.0
TBS21C03	38 31 10	117 51 40	2.0	3.00	10.0	.20	50	N	70	500	3.0
TBS21C04	38 33 30	117 48 10	5.0	1.00	2.0	.50	1,000	N	50	700	5.0
TBS21C05	38 34 20	117 47 50	5.0	1.00	3.0	.50	1,000	2.0	50	1,000	5.0
TBS22B02	38 38 25	117 34 10	5.0	.70	1.0	.30	700	N	70	1,000	5.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TBS15A13	10	70	50	50	10	N	50	20	10	300	200
TBS15B02	7	30	20	100	10	N	30	30	7	300	200
TBS15B03	15	100	50	70	30	N	100	30	15	300	500
TBS15B06	20	100	50	70	20	N	100	50	10	300	500
TBS15B10	30	200	50	70	N	<20	100	15	20	200	300
TBS15B13	15	100	50	70	15	N	70	15	15	200	500
TBS15C06	10	30	20	100	N	<20	15	30	10	500	100
TBS15C07	5	15	7	100	7	N	10	20	10	700	70
TBS15D09	<5	10	5	200	N	N	<5	20	7	500	50
TBS15D10	15	50	30	50	10	N	50	30	10	300	200
TBS16A01	7	15	7	100	N	<20	10	20	7	300	70
TBS16A03	10	20	7	200	N	N	10	30	7	500	100
TBS16B04	15	50	7	300	N	<20	7	20	15	500	150
TBS16B07	30	100	15	70	N	<20	30	20	15	500	200
TBS16B09	20	70	5	100	N	20	15	20	15	700	200
TBS16C03	7	<10	5	70	N	<20	5	20	10	500	70
TBS16C05	7	30	15	50	N	N	15	20	7	500	70
TBS16C07	7	<10	<5	50	N	N	20	30	7	500	50
TBS16D01	15	20	7	70	N	<20	10	20	10	700	150
TBS16D03	10	50	5	100	N	N	5	20	10	1,000	100
TBS16D04	7	15	7	70	N	N	5	15	10	700	100
TBS16D07	7	20	7	70	N	N	5	20	7	500	70
TBS16D10	10	10	5	70	N	N	7	20	10	700	100
TBS17B03	30	150	<5	200	N	20	30	20	20	500	300
TBS17B04	10	50	5	150	N	30	10	20	10	300	100
TBS17B05	30	200	10	50	N	20	50	30	20	500	200
TBS17B06	30	200	10	50	N	20	30	20	15	500	300
TBS17B07	30	300	10	500	N	<20	50	20	20	300	200
TBS17C01	15	50	7	100	N	N	10	30	10	500	150
TBS17C02	20	70	5	50	N	20	10	30	15	500	300
TBS17C03	50	150	5	300	N	50	20	30	20	200	500
TBS17C04	10	15	5	150	N	N	15	20	7	700	100
TBS17C05	20	70	5	1,000	N	30	5	50	20	700	500
TBS17C06	20	50	5	700	10	20	7	30	15	700	300
TBS17C07	50	100	20	1,000	5	30	15	50	20	500	700
TBS17C08	20	50	7	50	5	N	15	30	10	500	200
TBS17C09	15	50	7	300	N	N	15	50	15	700	200
TBS17C10	7	20	7	50	N	N	20	30	7	300	70
TBS17C11	10	20	10	50	N	N	15	30	10	500	100
TBS17C12	20	70	10	300	N	<20	20	50	15	500	200
TBS17D01	10	50	20	70	N	N	30	30	10	300	150
TBS21C03	7	15	20	20	N	N	20	30	7	500	70
TBS21C04	15	20	30	100	N	<20	70	20	10	500	200
TBS21C05	15	20	20	70	N	20	15	50	15	500	200
TBS22B02	15	30	20	50	N	N	7	15	10	500	150

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TBS15A13	N	20	N	150	66	140	.7	N	N
TBS15B02	N	20	N	150	40	100	.5	N	N
TBS15B03	N	30	700	200	40	300	3.2	N	N
TBS15B06	N	30	500	200	95	400	2.2	N	N
TBS15B10	N	30	N	200	30	150	N	N	N
TBS15B13	N	50	200	200	35	190	.7	N	N
TBS15C05	N	30	N	500	5	30	.2	N	<1
TBS15C07	N	20	N	500	<5	35	N	N	<1
TBS15D09	N	20	N	700	<5	30	.1	N	1
TBS15D10	N	20	200	200	10	100	1.3	N	2
TBS16A01	N	30	N	500	20	50	.3	N	N
TBS16A03	N	20	N	700	N	45	.2	N	N
TBS16B04	N	50	N	1,000	N	80	.3	N	N
TBS16B07	N	30	N	500	5	70	.3	N	N
TBS16B09	N	50	N	700	5	55	.3	N	N
TBS16C03	N	20	N	500	15	55	.1	N	N
TBS16C05	N	20	N	300	5	60	.1	N	N
TBS16C07	N	15	N	300	5	40	.1	N	<1
TBS16D01	N	30	N	700	N	50	.2	N	N
TBS16D03	N	20	N	200	N	50	.2	N	N
TBS16D04	N	15	N	300	N	50	.2	N	N
TBS16D07	N	15	N	300	N	35	.3	N	N
TBS16D10	N	20	N	200	N	55	.2	N	N
TBS17B03	N	15	N	200	10	30	.3	N	N
TBS17B04	N	20	N	200	<10	35	.1	N	N
TBS17B05	N	30	N	500	10	50	.1	N	N
TBS17B06	N	20	N	300	<10	90	N	N	N
TBS17B07	N	30	N	300	<10	30	N	N	N
TBS17C01	N	20	N	300	10	45	.1	N	N
TBS17C02	N	20	N	300	<10	110	N	N	N
TBS17C03	N	50	700	500	<10	80	N	N	N
TBS17C04	N	15	N	200	10	35	N	N	N
TBS17C05	N	50	300	>1,000	<10	110	.4	N	N
TBS17C06	N	30	N	1,000	10	50	.4	N	N
TBS17C07	N	50	500	1,000	<10	130	.4	N	N
TBS17C08	N	20	N	500	10	110	.2	N	N
TBS17C09	N	30	N	700	<10	60	.4	N	N
TBS17C10	N	15	N	100	10	40	.4	N	N
TBS17C11	N	20	N	200	10	40	N	N	N
TBS17C12	N	30	N	150	10	80	.2	N	N
TBS17D01	N	20	N	200	20	110	.8	N	N
TBS21C03	N	15	N	100	20	40	N	N	5
TBS21C04	N	50	N	150	N	75	N	N	N
TBS21C05	N	50	N	100	N	60	N	N	N
TBS22B02	N	30	N	200	<5	80	N	N	N

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s
TBS22B04	38 39 45	117 36 40	2.0	1.00	1.5	.20	1,000	N	50	1,500	3.0
TBS22B05	38 40 10	117 33 30	2.0	.50	1.0	.20	500	N	30	1,000	3.0
TBS22B07	38 41 50	117 36 40	2.0	.70	1.0	.20	500	<.5	30	1,000	3.0
TBS22B08	38 44 5	117 36 30	3.0	.70	1.5	.30	700	N	30	1,000	5.0
TBS22B12	38 42 20	117 30 20	3.0	.70	1.0	.50	1,000	N	50	1,000	3.0
TBS22B13	38 41 30	117 30 15	2.0	.50	1.0	.30	700	N	30	1,000	3.0
TBS22B14	38 41 0	117 30 10	2.0	.70	1.5	.20	1,000	N	30	1,000	3.0
TBS23A11	38 42 27	117 24 30	3.0	.50	1.0	.20	700	N	30	1,000	3.0
TBS23B02	38 39 30	117 17 40	5.0	.70	.7	.50	1,000	N	50	1,500	5.0
TBS23B03	38 38 50	117 18 50	2.0	.70	1.5	.30	700	N	70	700	5.0
TBS23B05	38 40 10	117 19 40	1.5	.30	.7	.20	700	N	20	700	7.0
TBS23B07	38 40 50	117 20 10	5.0	.50	1.5	.30	1,000	N	20	1,000	5.0
TBS23B13	38 42 0	117 21 20	3.0	.70	1.0	.30	700	N	30	700	2.0
TBS23B14	38 42 10	117 21 10	2.0	.50	1.0	.20	700	N	20	1,000	5.0
TBS23B17	38 43 10	117 16 5	10.0	.70	1.0	.70	1,500	N	50	700	5.0
TBS23B19	38 38 4	117 20 26	3.0	.70	1.5	.30	700	N	30	1,000	3.0
TBS23C03	38 35 38	117 15 21	3.0	.50	1.0	.30	1,000	.5	50	1,500	5.0
TBS23C10	38 36 42	117 21 8	7.0	.70	1.5	.70	1,000	N	30	1,000	3.0
TBS24A02	38 39 25	117 13 45	5.0	1.00	1.5	.50	1,000	N	100	700	7.0
TBS24A06	38 44 30	117 12 0	5.0	1.50	10.0	.50	700	.5	100	1,000	3.0
TBS24A10	38 44 24	117 14 56	2.0	.50	1.0	.20	1,000	N	30	1,500	5.0
TBS24B01	38 38 0	117 2 0	3.0	.50	1.0	.50	500	N	30	2,000	7.0
TBS24B02	38 38 6	117 2 0	1.5	.50	1.0	.20	500	100.0	50	700	7.0
TBS24B04	38 39 3	117 3 15	3.0	.50	1.0	.50	700	N	50	1,000	10.0
TBS24C01	38 33 10	117 3 10	2.0	.70	1.0	.30	1,000	N	50	1,000	5.0
TBS24C03	38 32 50	117 5 15	2.0	.70	1.0	.30	1,000	N	70	1,000	7.0
TBS24C09	38 33 5	117 1 20	3.0	.70	.7	.50	1,000	N	20	1,000	5.0
TBS24C11	38 36 15	117 5 10	1.5	.50	.5	.20	700	1.0	30	700	5.0
TBS24D02	38 31 15	117 8 30	3.0	1.50	1.0	.30	1,000	<.5	150	1,500	50.0
TBS24D03	38 33 28	117 9 32	3.0	1.00	2.0	.30	1,000	1.0	150	2,000	5.0
TBS24D05	38 33 50	117 14 20	3.0	.70	1.5	.50	700	N	30	1,000	7.0
TBS24D07	38 36 25	117 13 20	2.0	.70	1.5	.30	1,000	N	50	1,000	7.0
TBS25A01	38 43 12	116 59 48	3.0	.50	1.0	.50	1,000	1.5	100	2,000	7.0
TBS25A02	38 42 52	116 58 4	3.0	.50	1.0	.30	700	N	150	1,000	7.0
TBS25A03	38 42 48	116 58 8	1.5	.20	.7	.15	500	N	70	1,000	10.0
TBS25A04	38 44 42	116 53 18	2.0	.50	1.5	.30	1,000	N	50	1,000	5.0
TBS25A07	38 42 18	116 54 34	3.0	.50	1.5	.50	1,000	1.0	50	1,000	5.0
TBS25A09	38 41 22	116 54 44	2.0	.70	1.0	.30	1,000	N	150	1,000	7.0
TBS25A11	38 40 32	116 53 34	2.0	.50	1.0	.30	1,000	N	70	1,500	5.0
TBS25A15	38 39 54	116 55 4	2.0	1.00	1.5	.20	700	N	70	1,500	10.0
TBS25B01	38 38 8	116 51 50	3.0	1.50	1.0	.30	700	N	100	1,000	5.0
TBS25B02	38 38 54	116 51 34	3.0	1.00	2.0	.20	1,000	N	100	1,000	7.0
TBS25B03	38 39 4	116 51 42	5.0	.70	1.5	1.00	1,500	N	70	1,500	7.0
TBS25C01	38 30 16	116 50 10	3.0	.50	.7	.30	1,000	.5	70	1,500	7.0
TBS25D02	38 31 38	116 57 56	2.0	1.00	1.5	.30	700	N	30	1,500	5.0

TABLF 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TBS22B04	7	30	10	50	N	N	10	20	7	1,000	70
TBS22B05	7	15	10	20	N	N	10	15	7	500	100
TBS22B07	10	20	10	30	N	N	10	10	10	300	100
TBS22B08	15	100	10	50	N	N	10	20	10	500	100
TBS22B12	20	50	15	50	N	N	10	20	10	500	200
TBS22B13	15	70	5	50	N	N	5	15	10	300	200
TBS22B14	10	30	10	20	N	N	5	10	5	700	150
TBS23A11	10	10	7	50	10	N	20	10	7	700	100
TPS23B02	15	300	20	50	10	30	50	30	10	500	150
TPS23B03	10	50	10	30	7	N	50	20	10	300	70
TBS23B05	5	10	5	70	10	N	30	15	7	300	30
TBS23B07	10	30	5	50	10	N	30	15	10	700	150
TBS23B13	10	70	10	70	15	N	30	50	10	300	150
TBS23B14	7	20	5	50	N	N	20	20	7	300	70
TBS23B17	20	70	20	150	10	<20	30	30	15	500	300
TBS23B19	10	50	7	50	15	N	30	15	10	500	100
TBS23C03	7	15	7	70	N	<20	15	20	10	700	100
TBS23C10	20	70	7	70	N	<20	10	15	10	500	300
TPS24A02	15	70	20	100	N	<20	50	30	10	300	100
TBS24A06	15	150	30	50	15	N	70	50	10	300	300
TBS24A10	5	10	5	50	N	N	7	30	10	500	50
TBS24B01	7	20	10	200	5	<20	10	20	7	700	100
TBS24B02	5	10	10	50	N	N	10	50	7	500	70
TPS24B04	7	15	15	300	7	100	10	50	10	700	150
TBS24C01	7	20	7	70	N	N	15	30	10	300	100
TBS24C03	10	30	15	50	N	<20	15	50	10	300	70
TBS24C09	10	15	10	70	N	<20	10	50	10	500	70
TBS24C11	5	20	7	70	N	20	10	50	10	200	70
TBS24D02	15	70	30	100	N	N	50	30	15	300	200
TBS24D03	15	70	30	70	7	<20	50	30	15	300	200
TBS24D05	10	30	7	50	7	N	20	15	10	500	100
TBS24D07	10	20	10	50	7	N	30	30	10	500	100
TBS25A01	10	20	30	300	5	20	20	50	10	700	100
TBS25A02	7	50	7	200	N	<20	10	30	10	700	70
TBS25A03	5	10	7	70	N	N	5	30	5	700	50
TBS25A04	7	50	10	200	N	N	7	30	10	500	70
TBS25A07	7	10	5	150	N	N	10	50	15	500	100
TBS25A09	10	30	20	70	N	<20	20	30	15	300	70
TBS25A11	7	<10	5	500	N	<20	5	30	10	500	70
TBS25A15	10	30	20	1,000	5	N	20	20	7	700	100
TBS25B01	15	50	20	100	N	N	30	20	15	300	100
TBS25B02	10	50	20	50	N	N	30	50	10	500	100
TBS25B03	10	30	10	500	N	30	15	30	10	500	150
TBS25C01	5	20	15	70	5	<20	30	70	10	500	100
TBS25D02	7	30	20	70	N	N	20	20	10	300	150

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TBS22B04	N	10	N	100	N	35	N	N	N
TBS22B05	N	10	N	200	N	50	N	N	N
TBS22B07	N	20	N	150	N	45	N	N	N
TBS22B08	N	20	N	150	N	50	N	N	N
TBS22B12	N	30	N	500	N	110	N	N	N
TBS22B13	N	30	N	200	N	60	N	N	N
TBS22B14	N	10	N	200	N	60	N	N	N
TBS23A11	N	20	N	150	N	45	N	N	N
TBS23B02	N	30	N	700	10	60	.1	N	3
TBS23B03	N	20	N	100	N	55	N	N	N
TBS23B05	N	20	N	200	N	75	N	N	N
TBS23B07	N	20	N	300	N	60	N	N	N
TBS23B13	N	30	N	700	N	45	N	N	N
TBS23B14	N	15	N	200	N	45	N	N	N
TBS23B17	N	50	<200	>1,000	25	140	.3	N	15
TBS23B19	N	15	N	500	N	35	N	N	N
TBS23C03	N	20	N	150	<5	60	.1	N	4
TBS23C10	N	50	N	500	N	130	N	N	N
TBS24A02	N	30	<200	150	N	170	N	N	N
TBS24A06	N	20	300	70	N	>200	.3	N	6
TBS24A10	N	50	N	150	<5	50	N	N	N
TBS24B01	N	30	N	700	20	45	.2	N	3
TBS24B02	N	20	N	150	10	50	.2	N	2
TBS24B04	N	30	N	500	10	50	.2	N	2
TBS24C01	N	20	N	300	10	50	.2	N	2
TBS24C03	N	20	N	200	<5	50	.1	N	2
TBS24C09	N	20	N	300	5	85	.2	N	2
TBS24C11	N	20	N	100	10	50	.2	N	<2
TBS24D02	N	30	N	150	60	100	.8	N	5
TBS24D03	N	30	N	150	80	100	.7	N	12
TBS24D05	N	20	N	200	N	65	N	N	N
TBS24D07	N	20	N	150	N	55	N	N	N
TBS25A01	N	30	N	300	40	75	.3	N	4
TBS25A02	N	30	N	700	20	45	N	N	1
TBS25A03	N	15	N	200	20	50	1.1	N	N
TBS25A04	N	20	N	500	<5	60	.2	N	1
TBS25A07	N	30	N	300	<5	60	.1	N	N
TBS25A09	N	20	N	200	15	75	.2	N	1
TBS25A11	N	20	N	200	<5	50	.1	N	N
TBS25A15	N	50	N	150	15	75	.2	N	1
TBS25B01	N	20	N	150	5	70	.5	--	2
TBS25B02	N	20	N	150	5	70	.4	--	N
TBS25B03	N	50	N	700	10	110	.1	N	5
TBS25C01	N	30	N	150	N	15	.2	N	N
TBS25D02	N	15	N	200	25	70	.6	N	3

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TBS25D04	38 33 12	116 58 56	2.0	.70	1.0	.30	1,000	N	30	1,000	5.0
TBS25D06	38 34 22	116 57 16	2.0	.70	1.5	.50	1,000	1.0	50	1,000	7.0
TBS25D10	38 36 10	116 57 50	3.0	.30	1.0	.50	700	N	30	1,000	10.0
TBS25D11	38 37 8	116 57 22	2.0	.50	1.0	.50	500	.5	30	1,000	10.0
TBS25D12	38 37 8	116 57 18	2.0	.30	1.0	.30	700	N	70	1,000	10.0
TBS25D13	38 36 26	116 55 46	1.5	.20	1.0	.20	500	N	30	1,000	10.0
TBS25D16	38 35 48	116 53 48	3.0	1.00	1.5	.50	700	N	70	1,000	10.0
TBS25D19	38 31 56	116 52 52	2.0	.70	1.0	.50	1,000	N	50	1,000	5.0
TBS26A03	38 38 2	116 40 24	2.0	.30	.7	.20	500	N	30	1,000	3.0
TBS26A04	38 38 8	116 39 28	3.0	.30	1.0	.30	700	N	50	1,500	5.0
TBS26A07	38 38 56	116 42 14	3.0	.50	.7	.20	500	N	20	700	2.0
TBS26A10	38 40 34	116 38 28	2.0	.50	2.0	.20	500	N	30	1,000	3.0
TBS26A13	38 43 46	116 42 18	5.0	1.00	1.5	.50	1,500	N	50	1,000	5.0
TBS26A15	38 44 38	116 40 48	3.0	.70	1.5	.50	700	N	70	1,000	7.0
TBS26A17	38 39 12	116 38 14	2.0	.30	1.5	.30	500	N	20	1,000	5.0
TBS26B01	38 37 48	116 34 46	3.0	.30	1.5	.30	1,000	N	30	1,000	5.0
TBS26B03	38 39 56	116 36 34	2.0	.30	1.5	.20	700	N	30	1,000	5.0
TBS26B05	38 40 54	116 32 32	5.0	.30	1.5	.50	1,000	N	20	1,000	7.0
TBS26B06	38 40 56	116 32 36	3.0	.70	1.5	.30	700	N	50	1,000	5.0
TBS26B07	38 42 16	116 31 52	3.0	1.00	1.5	.30	700	N	50	1,000	5.0
TBS26B08	38 42 8	116 36 22	3.0	.50	1.5	.50	1,000	N	30	1,000	5.0
TBS26B11	38 39 24	116 30 16	3.0	1.00	1.5	.30	700	N	50	1,000	5.0
TBS26C03	38 32 24	116 33 14	15.0	.70	1.5	.70	1,500	N	30	1,500	3.0
TBS26C06	38 34 54	116 36 16	2.0	.50	1.5	.20	700	N	70	1,000	5.0
TBS26C07	38 35 26	116 35 48	2.0	.50	1.0	.20	700	N	50	1,000	5.0
TBS26D01	38 31 12	116 39 8	7.0	.20	1.0	.50	1,000	N	20	1,500	5.0
TBS26D04	38 33 54	116 38 6	2.0	.30	1.0	.15	700	N	50	1,000	5.0
TBS26D06	38 34 58	116 38 18	.7	.15	.2	.10	100	N	<10	500	1.0
TBS26D07	38 31 52	116 44 26	2.0	.50	.7	.20	1,000	.5	70	1,500	7.0
TBS26D10	38 34 32	116 43 4	3.0	.50	1.5	.20	700	N	50	1,500	7.0
TBS26D11	38 35 38	116 42 44	5.0	.50	1.0	.30	1,000	N	70	1,500	7.0
TBS27A01	38 43 48	116 29 48	2.0	2.00	2.0	.20	500	N	50	1,000	5.0
TBS27A02	38 43 16	116 29 38	5.0	2.00	3.0	.50	1,000	N	70	1,500	5.0
TBS31B01	38 27 5	117 46 0	3.0	1.00	7.0	.50	1,000	N	100	1,000	3.0
TBS31B03	38 29 10	117 48 0	3.0	3.00	5.0	.30	1,000	N	200	1,000	3.0
TBS32A01	38 23 15	117 43 40	7.0	.70	1.5	.50	2,000	N	70	1,500	5.0
TBS32A03	38 23 45	117 43 0	5.0	1.50	2.0	.50	2,000	N	150	1,000	5.0
TBS32A05	38 25 40	117 44 10	5.0	1.00	2.0	.50	1,500	N	70	1,000	3.0
TBS32A07	38 28 55	117 42 50	5.0	1.00	2.0	.50	1,000	N	50	700	3.0
TBS32A09	38 27 40	117 38 10	5.0	1.50	2.0	.50	1,500	.5	100	1,000	5.0
TBS32D02	38 20 35	117 43 10	3.0	.70	2.0	.30	1,500	N	100	1,000	5.0
TBS32D04	38 19 40	117 39 50	3.0	1.00	1.5	.50	700	N	100	1,000	5.0
TBS33003	38 22 30	117 17 20	7.0	1.00	1.0	.30	1,000	N	50	1,000	3.0
TBS34001	38 30 0	117 0 4	2.0	.70	1.0	.30	700	N	100	700	7.0
TBS34003	38 28 40	117 3 0	5.0	.50	1.0	.70	700	N	70	1,000	10.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TBS25D04	7	15	10	70	N	N	5	30	10	300	100
TBS25D06	7	30	10	100	N	20	7	30	10	500	100
TBS25D10	7	15	5	300	N	20	5	50	7	700	100
TBS25D11	5	30	20	70	7	20	10	30	10	500	100
TBS25D12	7	20	7	500	N	<20	7	30	7	700	150
TBS25D13	5	<10	5	700	N	N	5	30	5	1,000	70
TBS25D16	10	30	20	50	N	20	20	30	10	700	150
TBS25D19	10	50	20	100	N	<20	50	30	10	300	100
TBS26A03	5	10	5	30	N	N	5	10	5	500	70
TBS26A04	5	15	7	50	N	<20	7	20	7	700	100
TBS26A07	7	15	7	20	N	N	7	20	5	300	100
TBS26A10	5	10	<5	100	N	N	7	15	7	700	70
TBS26A13	15	50	10	200	5	<20	15	30	10	700	200
TBS26A15	7	20	15	30	N	<20	10	30	10	700	100
TBS26A17	5	10	<5	100	N	N	7	15	5	700	70
TBS26B01	7	15	<5	150	N	N	5	20	10	700	70
TBS26B03	7	30	<5	200	N	N	5	20	7	500	70
TBS26B05	10	15	N	700	N	N	<5	20	10	500	150
TBS26B06	7	20	10	70	N	N	7	20	10	500	100
TBS26B07	10	20	5	50	N	N	5	20	10	500	100
TBS26B08	5	15	5	30	N	20	5	20	7	700	100
TBS26B11	7	15	5	100	N	N	7	20	7	500	70
TBS26C03	20	50	5	300	N	N	10	50	10	500	300
TBS26C06	10	50	15	50	N	N	20	50	7	500	100
TBS26C07	5	20	10	200	N	N	20	30	7	300	70
TBS26D01	7	20	<5	1,000	N	20	5	10	7	700	200
TBS26D04	<5	10	7	50	N	N	30	20	5	500	50
TBS26D06	N	<10	<5	N	N	N	<5	10	<5	100	15
TBS26D07	<5	20	10	50	N	<20	7	70	5	200	20
TBS26D10	5	20	5	1,000	N	N	5	50	7	700	100
TBS26D11	5	20	7	300	N	N	5	30	7	700	100
TBS27A01	5	15	5	70	N	N	7	30	7	500	50
TBS27A02	10	50	10	70	N	N	30	50	10	500	200
TBS31B01	10	70	20	50	N	N	30	20	15	1,000	150
TBS31B03	15	70	30	50	N	N	50	30	15	300	150
TBS32A01	20	70	20	50	N	N	20	20	15	700	200
TBS32A03	20	50	30	50	N	N	30	20	15	700	200
TBS32A05	20	50	20	30	N	N	50	20	10	1,000	200
TBS32A07	20	50	7	20	N	N	20	15	15	1,000	200
TBS32A09	20	50	20	30	N	N	30	50	15	700	200
TBS32D02	10	20	15	150	N	N	15	20	10	700	100
TBS32D04	7	30	10	100	N	N	20	30	10	500	100
TBS33003	20	70	10	30	N	N	70	20	10	500	150
TBS34001	10	50	15	200	N	N	30	20	10	300	100
TBS34003	7	30	10	300	N	30	10	30	10	500	200

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TBS25D04	N	20	N	700	5	60	.2	N	2
TBS25D06	N	20	N	500	5	60	.2	N	2
TBS25D10	N	30	N	300	5	55	.1	N	3
TBS25D11	N	15	N	300	5	70	.2	N	3
TBS25D12	N	70	N	300	5	55	.1	N	2
TBS25D13	N	15	N	200	<5	40	.1	N	2
TBS25D16	N	20	N	200	5	65	.5	N	2
TBS25D19	N	20	N	150	15	45	.2	N	2
TBS26A03	N	15	N	150	N	35	.1	N	N
TBS26A04	N	20	N	700	N	40	.1	N	N
TBS26A07	N	10	N	700	N	45	N	N	N
TBS26A10	N	20	N	300	<5	35	.2	--	N
TBS26A13	N	30	N	300	<5	60	.3	--	N
TBS26A15	N	20	N	200	<5	60	.2	--	N
TBS26A17	N	20	N	700	N	25	N	N	N
TBS26B01	N	20	N	700	<4	45	N	N	N
TBS26B03	N	20	N	300	<5	40	.1	--	N
TBS26B05	N	50	N	1,000	<4	55	N	N	N
TBS26B06	N	30	N	700	5	55	N	N	1
TBS26B07	N	20	N	500	4	70	.1	N	14
TBS26B08	N	20	N	700	N	35	N	N	N
TBS26B11	N	20	N	500	10	45	.1	N	2
TBS26C03	N	30	N	300	N	100	.2	--	N
TBS26C06	N	20	N	150	15	60	.4	--	N
TBS26C07	N	20	N	300	5	55	.3	--	N
TBS26D01	N	30	N	1,000	N	35	N	N	N
TBS26D04	N	15	N	100	N	40	N	N	N
TBS26D06	N	10	N	30	60	55	.1	N	N
TBS26D07	N	20	N	150	N	10	N	N	N
TBS26D10	N	50	N	1,000	5	20	N	N	N
TBS26D11	N	50	N	1,000	15	30	.1	N	N
TBS27A01	N	20	N	300	20	55	.2	N	4
TBS27A02	N	20	N	1,000	45	75	.4	N	23
TBS31B01	N	20	N	200	N	45	N	N	N
TBS31B03	N	30	N	150	N	55	N	N	N
TBS32A01	N	15	N	300	N	75	N	N	N
TBS32A03	N	20	N	150	N	55	N	N	N
TBS32A05	N	15	N	70	N	85	N	N	N
TBS32A07	N	20	N	150	N	60	N	N	N
TBS32A09	N	20	N	300	N	65	N	N	N
TBS32D02	N	15	N	100	N	45	N	N	2
TBS32D04	N	20	N	200	N	50	N	N	3
TBS33003	N	20	N	1,000	N	60	N	N	2
TBS34001	N	30	N	300	20	55	.2	N	2
TBS34003	N	50	N	500	10	50	.2	N	3

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TBS34005	38 26 40	117 4 45	3.0	.70	1.0	.30	1,000	N	50	1,000	7.0
TBS34007	38 26 20	117 7 45	5.0	1.00	1.0	.30	1,000	N	100	1,500	7.0
TBS34009	38 28 3	117 9 0	5.0	1.00	1.5	.50	1,000	.5	100	1,500	5.0
TBS34010	38 28 10	117 9 0	5.0	1.50	1.5	.50	1,000	150.0	100	1,000	5.0
TBS34012	38 29 20	117 7 40	3.0	.70	1.0	.30	1,500	<.5	70	1,000	10.0
TBS34013	38 29 45	117 8 10	5.0	1.00	1.0	.50	1,000	.7	150	2,000	7.0
TBS34015	38 15 30	117 4 30	3.0	.70	1.0	.20	1,000	N	50	1,500	5.0
TBS34017	38 16 30	117 10 45	5.0	1.00	1.0	.30	1,000	N	50	1,500	3.0
TBS34018	38 17 10	117 10 0	7.0	1.50	2.0	.30	1,000	N	70	1,500	5.0
TBS34021	38 19 48	117 9 50	7.0	1.00	1.5	.30	1,000	N	50	1,500	5.0
TBS34022	38 20 40	117 10 0	5.0	1.00	1.0	.20	700	N	30	1,000	3.0
TBS34025	38 23 0	117 13 16	5.0	1.00	1.5	.30	1,000	N	70	1,500	7.0
TBS35C10	38 19 26	116 45 18	3.0	.50	.7	.30	700	3.0	50	1,500	3.0
TBS35C11	38 19 30	116 45 14	5.0	.30	.5	.30	700	N	30	1,500	2.0
TBS36A03	38 23 52	116 40 54	5.0	.50	.7	.20	700	N	50	1,500	5.0
TBS36A06	38 26 8	116 40 58	3.0	.50	.5	.20	300	N	20	1,000	2.0
TBS36A07	38 27 58	116 41 12	3.0	.50	.7	.20	1,000	.5	70	1,500	7.0
TBS36A09	38 28 48	116 41 56	3.0	.30	1.0	.20	700	N	50	1,500	5.0
TBS36B01	38 22 46	116 30 38	3.0	.50	1.0	.20	700	N	50	1,500	5.0
TBS36B03	38 25 12	116 30 52	3.0	.50	1.5	.20	700	N	50	1,500	5.0
TBS36B05	38 28 56	116 30 22	1.0	.50	1.5	.15	500	N	50	2,000	2.0
TBS36B07	38 29 48	116 30 16	5.0	.50	1.5	.50	1,000	N	50	1,500	5.0
TBS36B09	38 27 42	116 33 52	3.0	.30	1.5	.30	700	N	20	1,500	3.0
TBS36B10	38 25 28	116 33 46	2.0	.50	1.0	.20	700	N	50	1,000	5.0
TBS36C02	38 17 24	116 30 46	1.5	.50	1.0	.15	500	N	50	1,500	5.0
TBS36C04	38 19 18	116 30 12	2.0	.30	1.0	.20	700	N	30	1,000	5.0
TBS36C05	38 21 36	116 31 14	2.0	.50	1.0	.15	1,000	N	30	1,000	5.0
TBS36C08	38 20 12	116 36 20	3.0	1.00	1.5	.30	1,000	N	70	1,000	5.0
TBS36C09	38 17 48	116 37 22	2.0	.70	1.5	.20	700	N	70	1,000	5.0
TBS36D03	38 18 8	116 43 18	5.0	.50	1.0	.30	700	N	50	700	3.0
TBS36D07	38 21 6	116 44 34	7.0	.50	1.5	.50	1,000	N	30	1,500	5.0
TBS36D09	38 20 50	116 40 32	5.0	.30	1.0	.30	700	N	50	1,500	7.0
TBS36D10	38 16 56	116 42 18	5.0	1.00	1.0	.50	1,000	N	70	1,500	5.0
TBS37A02	38 28 44	116 24 32	3.0	1.00	1.0	.30	1,000	<.5	150	1,500	7.0
TBS37A04	38 26 36	116 23 8	2.0	1.00	2.0	.20	1,000	N	70	1,000	5.0
TBS37A08	38 24 42	116 26 32	5.0	.50	1.0	.70	1,000	N	30	1,000	5.0
TBS37A09	38 24 18	116 23 4	2.0	1.00	7.0	.20	700	N	100	500	3.0
TBS37A11	38 24 26	116 23 4	1.5	.50	2.0	.20	700	N	70	1,000	5.0
TBS37A13	38 27 4	116 25 4	2.0	.70	1.0	.30	1,000	N	100	1,000	7.0
TBS37B04	38 28 34	116 22 20	2.0	3.00	5.0	.20	700	N	150	700	5.0
TBS37B05	38 25 44	116 21 2	2.0	2.00	10.0	.20	700	1.0	70	700	3.0
TBS37C02	38 17 36	116 21 6	3.0	.50	1.0	.20	1,000	7.0	30	1,000	7.0
TBS37C06	38 21 34	116 22 18	1.5	.50	1.0	.20	700	N	70	700	5.0
TBS37D02	38 22 8	116 25 6	3.0	.50	.7	.30	700	N	50	1,000	3.0
TBS37D04	38 18 52	116 25 18	2.0	.50	1.0	.50	700	N	50	1,000	7.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TBS34005	10	20	10	70	N	N	15	50	10	300	100
TBS34007	20	70	30	70	<5	N	70	30	10	300	200
TBS34009	30	100	30	100	5	<20	70	30	15	300	200
TBS34010	30	100	30	70	N	<20	100	50	15	300	200
TBS34012	10	50	20	70	7	N	50	30	10	300	150
TBS34013	20	70	50	70	10	N	50	50	10	300	200
TBS34015	7	50	10	50	N	N	15	20	7	700	100
TBS34017	20	70	15	30	N	N	70	20	10	700	150
TBS34018	30	200	15	50	N	N	50	20	10	700	150
TBS34021	30	100	20	50	10	N	50	20	10	700	150
TBS34022	15	70	15	20	N	N	20	15	10	500	100
TBS34025	15	50	15	30	N	N	20	20	10	700	150
TBS35C10	5	20	10	30	N	N	50	30	5	500	70
TBS35C11	5	15	5	30	N	N	5	20	5	500	100
TBS36A03	7	20	5	70	N	N	10	20	5	500	100
TBS36A06	5	20	5	20	N	N	10	10	5	300	50
TBS36A07	10	15	10	50	N	N	15	20	7	500	100
TBS36A09	5	70	5	50	N	N	10	15	5	500	70
TBS36B01	10	20	7	100	N	N	7	50	7	500	100
TBS36B03	7	20	7	200	N	N	10	30	7	500	100
TBS36B05	5	<10	5	20	N	N	5	30	5	700	30
TBS36B07	10	30	5	200	N	N	5	50	10	700	200
TBS36B09	10	15	5	70	N	N	10	20	5	700	150
TBS36B10	10	20	7	200	N	N	20	30	7	500	100
TBS36C02	7	15	5	50	N	N	20	20	7	500	50
TBS36C04	5	10	<5	100	N	N	10	20	7	500	100
TBS36C05	7	10	7	30	N	N	7	20	5	500	50
TBS36C08	10	50	20	50	N	N	15	50	10	500	150
TBS36C09	7	50	10	50	N	N	15	20	10	500	100
TBS36D03	7	30	7	30	N	N	30	15	7	300	100
TBS36D07	10	50	5	70	N	N	10	15	10	500	300
TBS36D09	5	30	<5	100	N	N	15	20	7	500	200
TBS36D10	7	30	10	100	N	N	10	50	10	500	150
TBS37A02	10	70	30	100	N	N	50	30	10	300	200
TBS37A04	7	20	15	100	N	N	30	30	7	300	100
TBS37A08	10	30	5	500	N	N	15	20	15	500	200
TBS37A09	7	30	7	70	N	N	20	20	10	300	70
TBS37A11	5	20	7	50	N	N	10	20	7	500	70
TBS37A13	10	70	15	70	N	N	30	20	10	500	150
TBS37B04	10	70	20	70	N	N	30	30	10	300	100
TBS37B05	5	20	10	20	N	N	10	70	7	300	70
TBS37C02	10	20	5	70	N	N	20	20	10	300	100
TBS37C06	7	15	5	50	7	<20	15	20	7	200	50
TBS37D02	10	20	7	70	N	N	20	50	10	300	150
TBS37D04	10	10	5	200	N	N	5	20	7	500	70

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TBS34005	N	20	N	150	5	60	.3	N	2
TBS34007	N	30	N	150	45	75	.4	N	3
TBS34009	N	30	N	200	45	100	.9	N	3
TBS34010	N	30	N	200	25	70	.4	N	<2
TBS34012	N	30	N	200	25	70	.4	N	<2
TBS34013	N	30	N	200	25	70	.4	N	2
TBS34015	N	20	N	150	N	30	N	N	2
TBS34017	N	20	N	200	N	40	N	N	2
TBS34018	N	20	N	100	N	50	N	N	N
TBS34021	N	20	N	150	N	50	N	N	N
TBS34022	N	15	N	100	N	45	N	N	N
TBS34025	N	20	N	300	N	40	N	N	N
TBS35C10	N	20	N	200	10	60	.1	N	N
TBS35C11	N	15	N	700	15	75	.1	N	N
TBS36A03	N	20	N	300	15	30	.2	N	N
TBS36A06	N	10	N	300	<5	40	.2	N	N
TBS36A07	N	20	N	500	35	50	.2	N	N
TBS36A09	N	20	N	300	10	30	.1	N	N
TBS36B01	N	30	N	300	<5	20	.2	--	N
TBS36B03	N	20	N	200	<5	35	.2	--	N
TBS36B05	N	10	N	30	<5	25	.2	--	N
TBS36B07	N	30	N	500	<5	50	.3	--	2
TBS36B09	N	50	N	70	N	80	.2	--	<2
TBS36B10	N	20	N	150	N	40	.3	--	<2
TBS36C02	N	15	N	70	N	25	.2	--	N
TBS36C04	N	20	N	300	N	30	.1	--	N
TBS36C05	N	15	N	100	N	40	.3	--	N
TBS36C08	N	20	N	500	N	55	.3	--	N
TBS36C09	N	20	N	200	N	50	.3	--	N
TBS36D03	N	20	N	200	<5	70	.2	N	N
TBS36D07	N	30	200	1,000	5	130	.1	N	N
TBS36D09	N	20	N	500	30	70	N	N	N
TBS36D10	N	30	N	300	N	75	N	N	N
TBS37A02	N	30	N	200	10	80	.2	N	<1
TBS37A04	N	20	N	100	N	60	N	N	N
TBS37A08	N	30	N	500	N	130	N	N	N
TBS37A09	N	20	N	100	50	45	N	N	N
TBS37A11	N	20	N	70	N	40	N	N	2
TBS37A13	N	20	N	200	10	70	.2	N	<1
TBS37B04	N	20	N	150	10	55	N	N	4
TBS37B05	N	15	N	100	15	50	N	N	N
TBS37C02	N	20	N	150	10	50	.4	N	N
TBS37C06	N	20	N	150	40	50	.2	N	N
TBS37D02	N	20	N	500	<10	60	.2	N	N
TBS37D04	N	20	N	500	<4	45	N	N	N

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TBS37D06	38 18 56	116 24 32	2.0	.30	.7	.30	500	N	50	2,000	5.0
TBS37D08	38 15 46	116 26 52	2.0	.20	1.0	.20	700	N	30	1,000	5.0
TBS37D09	38 15 32	116 24 8	1.5	.50	1.0	.20	500	N	50	1,500	5.0
TBS42C02	38 0 30	117 30 44	5.0	.70	1.0	.50	1,000	N	50	1,000	5.0
TBS42C04	38 1 26	117 32 22	5.0	.70	1.5	.30	1,000	N	100	1,000	5.0
TBS42C06	38 2 12	117 34 8	7.0	2.00	7.0	.30	1,500	.5	70	1,000	7.0
TBS42C08	38 3 52	117 31 28	5.0	1.00	1.5	.30	1,000	.7	50	1,000	5.0
TBS43002	38 12 10	117 16 40	5.0	1.00	1.0	.30	700	N	50	1,000	3.0
TBS43004	38 14 15	117 15 30	5.0	1.50	1.5	.20	700	.7	100	1,500	5.0
TBS43005	38 0 30	117 26 0	5.0	1.00	1.0	.30	700	N	70	1,000	7.0
TBS43007	38 4 15	117 28 45	2.0	2.00	3.0	.15	1,000	N	30	500	2.0
TBS44002	38 12 12	117 14 50	5.0	1.00	1.0	.20	700	N	70	1,500	3.0
TBS44003	38 12 36	117 9 48	3.0	.70	.7	.30	500	N	70	700	3.0
TBS44007	38 9 20	117 9 6	7.0	2.00	1.5	.30	1,500	N	100	1,500	5.0
TBS44009	38 8 12	117 13 38	5.0	1.50	2.0	.30	1,000	<.5	100	1,500	7.0
TBS46C02	38 3 18	116 31 48	2.0	.30	1.0	.30	1,000	N	50	1,000	7.0
TBS46C04	38 1 32	116 32 36	3.0	.70	1.5	.30	700	N	50	1,000	5.0
TBS47A01	38 8 16	116 26 58	1.5	.50	1.0	.20	1,000	N	50	1,000	7.0
TBS47A03	38 8 54	116 23 6	2.0	.50	1.0	.30	1,000	N	70	1,000	7.0
TBS47A06	38 12 22	116 27 42	2.0	.50	1.5	.20	1,000	N	70	1,500	5.0
TBS47A07	38 11 58	116 22 46	3.0	.70	2.0	.30	1,000	<.5	50	1,000	5.0
TBS47A09	38 13 54	116 23 14	3.0	.30	1.0	.30	700	N	50	1,000	7.0
TBS47C01	38 4 56	116 22 10	1.5	.20	.5	.15	1,000	N	30	700	5.0
TBS47D02	38 0 38	116 23 24	2.0	.50	1.5	.50	1,000	N	50	1,500	5.0
TBS47D05	38 3 26	116 27 14	2.0	.50	1.0	.30	1,000	N	50	1,000	5.0
TBS47D06	38 4 24	116 28 34	3.0	.50	1.0	.30	1,000	N	50	1,000	5.0
TBS47D10	38 6 50	116 23 26	2.0	.70	1.0	.30	1,500	.5	70	1,000	5.0
TBS53A01	37 59 40	117 28 50	7.0	.70	1.0	.20	700	N	30	700	5.0
TFS12004	38 46 0	117 36 30	2.0	.50	1.0	.20	700	N	50	1,500	7.0
TFS12005	38 47 15	117 36 20	3.0	1.50	1.5	.30	1,000	N	200	1,000	5.0
TFS12007	38 49 15	117 36 15	5.0	.70	1.5	.30	1,500	N	70	1,000	5.0
TFS12008	38 48 45	117 36 15	3.0	.70	1.0	.30	700	N	70	1,000	5.0
TFS12011	38 50 35	117 33 40	2.0	.50	1.5	.20	700	N	50	1,000	5.0
TFS12012	38 52 20	117 36 0	5.0	.70	5.0	.30	1,000	.5	200	1,000	5.0
TFS13C07	38 50 0	117 34 10	3.0	.30	.5	.20	1,000	N	50	1,000	5.0
TFS13C10	38 50 40	117 17 35	1.0	.10	.3	.15	500	N	70	500	7.0
TFS13C12	38 51 0	117 17 35	2.0	.15	.3	.30	700	N	30	500	5.0
TFS14B03	38 54 30	117 0 15	2.0	1.00	1.5	.30	1,000	.5	100	1,500	7.0
TFS14C02	38 47 50	117 2 20	7.0	.70	1.0	.50	1,500	N	30	1,500	5.0
TFS14C04	38 48 35	117 1 25	3.0	.70	1.5	.30	1,000	<.5	50	2,000	5.0
TFS14C07	38 50 45	117 0 15	3.0	1.00	1.0	.30	700	N	100	1,000	5.0
TFS15C01	38 46 5	116 49 55	2.0	.70	1.0	.20	700	N	30	1,000	5.0
TFS15C05	38 49 40	116 51 20	1.0	.30	1.0	.20	700	N	50	1,000	5.0
TFS15D04	38 47 55	116 59 20	3.0	.30	1.5	.20	1,000	N	50	1,000	5.0
TFS15D05	38 47 0	116 53 50	3.0	.50	1.0	.20	1,000	N	30	1,500	5.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TBS37D06	7	15	5	300	N	N	10	20	10	300	100
TBS37D08	5	50	<5	200	N	N	20	20	7	300	70
TBS37D09	5	15	5	50	7	N	30	30	7	300	50
TBS42C02	30	50	10	50	N	50	20	20	10	700	150
TBS42C04	10	50	20	50	N	N	50	30	7	700	150
TBS42C06	10	70	15	30	5	20	30	20	10	700	150
TBS42C08	10	50	20	70	<5	N	20	50	10	500	100
TBS43002	10	50	10	100	<5	N	20	20	10	500	150
TBS43004	10	50	20	20	<5	N	20	20	10	700	150
TBS43005	10	70	20	100	<5	20	30	30	10	500	100
TBS43007	7	50	15	<20	N	N	20	20	7	300	70
TBS44002	10	70	15	30	N	N	30	20	10	700	100
TBS44003	7	50	10	20	N	N	50	20	7	300	70
TBS44007	20	150	20	50	N	N	50	10	15	700	150
TBS44009	20	70	30	70	N	N	70	30	10	700	150
TBS46C02	7	10	5	100	N	N	7	20	7	300	70
TBS46C04	10	30	5	100	N	<20	20	20	10	500	150
TBS47A01	7	20	5	100	N	N	10	30	7	300	50
TBS47A03	7	20	10	70	N	N	15	30	10	300	100
TBS47A06	10	30	5	70	N	<20	15	20	10	500	100
TBS47A07	10	15	7	50	N	N	7	50	10	300	150
TBS47A09	10	50	7	50	N	<20	20	30	10	200	100
TBS47C01	5	10	<5	50	N	N	5	20	7	200	50
TBS47D02	7	10	7	200	N	20	10	30	10	700	70
TBS47D05	7	20	10	200	N	N	15	30	15	300	70
TBS47D06	10	20	10	150	N	20	15	50	15	500	100
TBS47D10	10	30	50	70	N	<20	7	150	10	300	70
TBS53A01	7	30	20	30	N	N	20	50	7	500	100
TFS12004	10	20	7	70	N	N	30	20	10	500	100
TFS12005	15	50	20	70	N	N	30	30	10	300	150
TFS12007	15	50	10	100	N	N	20	20	10	500	150
TFS12008	10	30	15	70	N	<20	50	30	10	500	100
TFS12011	10	30	7	70	N	N	15	30	10	700	70
TFS12012	15	70	30	70	20	N	50	20	15	500	150
TFS13C07	7	20	5	50	10	N	10	30	7	300	100
TFS13C10	<5	<10	<5	50	5	N	7	50	5	200	20
TFS13C12	5	1,000	<5	200	7	20	5	30	10	200	70
TFS14B03	10	70	30	70	7	N	30	30	10	300	200
TFS14C02	20	20	10	50	N	N	5	20	10	500	200
TFS14C04	10	15	7	70	N	N	20	50	10	700	150
TFS14C07	10	30	7	100	N	N	15	20	10	500	100
TFS15C01	7	20	7	70	N	N	10	20	10	300	70
TFS15C05	5	10	7	70	5	N	15	20	7	300	50
TFS15D04	7	10	5	50	N	N	10	20	10	700	150
TFS15D05	7	15	7	50	N	N	7	20	7	500	100

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TBS37D06	N	50	N	500	20	65	.1	N	2
TBS37D08	N	10	N	150	10	30	N	N	2
TBS37D09	N	70	N	100	20	25	N	N	N
TBS42C02	N	30	N	500	N	70	N	N	N
TBS42C04	N	15	N	300	N	85	N	N	N
TBS42C06	N	30	N	300	N	65	N	N	N
TBS42C08	N	30	N	200	5	120	N	N	4
TBS43002	N	20	N	150	35	60	N	N	5
TBS43004	N	15	N	100	N	45	N	N	3
TBS43005	N	20	N	200	N	95	N	N	<1
TBS43007	N	15	N	50	20	80	N	N	2
TBS44002	N	15	N	100	N	50	.3	N	N
TBS44003	N	10	N	100	N	40	.2	N	N
TBS44007	N	30	N	200	N	90	N	N	N
TBS44009	N	30	N	50	N	65	N	N	1
TBS46C02	N	20	N	500	N	30	N	N	N
TBS46C04	N	30	N	500	N	40	.1	N	2
TBS47A01	N	20	N	300	N	40	N	N	N
TBS47A03	N	30	N	200	N	30	.5	N	2
TBS47A06	N	20	N	300	N	60	.3	N	N
TBS47A07	N	20	N	200	<10	50	.4	N	N
TBS47A09	N	30	N	500	80	35	.4	N	2
TBS47C01	N	15	N	100	30	30	.4	N	3
TBS47D02	N	50	N	200	N	40	.4	N	N
TBS47D05	N	30	N	700	10	60	.3	N	N
TBS47D06	N	30	N	300	N	50	.4	N	N
TBS47D10	N	30	N	150	<10	45	.5	N	2
TBS53A01	N	15	N	500	N	70	.2	N	2
TFS12004	N	20	N	N	<5	40	.1	N	2
TFS12005	N	20	N	N	10	40	.1	N	2
TFS12007	N	20	N	N	5	65	.2	N	5
TFS12008	N	20	N	N	N	45	.1	N	2
TFS12011	N	20	N	N	N	30	.2	N	2
TFS12012	N	30	N	N	35	65	.7	N	4
TFS13C07	N	20	N	300	10	50	.9	N	N
TFS13C10	N	20	N	200	N	35	1.0	N	<2
TFS13C12	N	30	N	1,000	<10	65	.8	N	<2
TFS14B03	N	20	N	300	15	95	.8	N	2
TFS14C02	N	20	N	700	40	110	.1	N	5
TFS14C04	N	20	N	200	20	60	.2	N	1
TFS14C07	N	20	N	300	10	60	.1	N	2
TFS15C01	N	10	N	150	<5	55	.3	N	<2
TFS15C05	N	15	N	150	<10	30	.6	N	N
TFS15D04	N	20	N	500	N	50	.5	N	N
TFS15D05	N	15	N	300	<5	75	.2	N	N

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s
TFS15D06	38 47 5	116 53 30	5.0	1.00	3.0	.50	1,500	N	70	2,000	3.0
TFS15D08	38 51 45	116 56 30	2.0	.50	1.0	.30	700	N	70	1,000	7.0
TFS16A02	38 57 10	116 39 5	2.0	.70	1.5	.50	1,000	1.0	70	1,500	5.0
TFS16A04	38 58 45	116 40 30	2.0	1.00	1.5	.30	1,500	1.0	100	2,000	7.0
TFS16B01	38 52 44	116 29 30	3.0	1.00	1.0	.50	1,000	1.0	70	1,000	5.0
TFS16B03	38 54 26	116 35 44	3.0	.70	1.0	.50	1,000	1.0	70	2,000	7.0
TFS16B05	38 55 52	116 33 54	3.0	1.00	1.5	.50	1,000	<.5	50	1,500	5.0
TFS16B06	38 56 48	116 34 24	5.0	1.00	1.5	.50	1,000	N	70	1,500	2.0
TFS16B08	38 59 18	116 33 48	7.0	2.00	3.0	1.00	1,500	.5	50	2,000	5.0
TFS16C02	38 45 45	116 30 50	2.0	1.00	1.5	.20	700	N	70	1,000	7.0
TFS16C04	38 47 40	116 32 20	2.0	.30	1.0	.30	500	N	50	1,000	7.0
TFS16C06	38 49 10	116 30 40	2.0	1.00	2.0	.20	700	N	70	1,000	5.0
TFS16D02	38 45 35	116 43 0	3.0	1.00	2.0	.30	1,000	.7	50	2,000	7.0
TFS16D11	38 48 50	116 42 0	20.0	1.00	1.5	.70	2,000	N	50	1,500	7.0
TFS16D13	38 51 55	116 37 40	3.0	1.00	1.5	.30	1,000	N	100	1,500	7.0
TFS17B02	38 52 58	116 15 4	5.0	.30	1.5	.50	700	N	30	700	5.0
TFS18A01	38 53 44	116 11 4	7.0	.70	1.0	.50	1,000	N	30	700	3.0
TFS18A03	38 53 44	116 14 42	3.0	.50	1.0	.20	1,000	N	70	1,000	7.0
TFS18A05	38 55 14	116 7 38	5.0	.50	1.0	.70	1,000	N	50	700	5.0
TFS18A07	38 57 20	116 11 20	3.0	.70	1.5	.50	1,000	N	50	1,000	7.0
TFS18A09	38 58 18	116 11 34	7.0	1.50	1.5	1.00	1,500	N	30	700	5.0
TFS18A10	38 59 4	116 11 42	5.0	.70	2.0	.70	1,500	N	30	1,500	5.0
TFS18C03	38 46 36	116 4 10	3.0	.50	1.0	.70	700	N	70	1,500	5.0
TFS18C05	38 47 24	116 1 38	5.0	.50	2.0	.70	1,500	1.0	70	1,500	7.0
TFS18C08	38 50 52	116 4 18	3.0	.30	1.0	.30	700	N	70	700	5.0
TFS18C09	38 52 14	116 5 4	5.0	1.00	2.0	.50	1,000	N	50	1,000	5.0
TFS18C10	38 47 4	116 6 8	5.0	.20	1.5	.70	2,000	N	30	1,500	5.0
TFS18D01	38 46 32	116 9 52	3.0	.50	2.0	1.00	1,000	N	50	1,500	7.0
TFS18D05	38 49 2	116 9 22	15.0	.70	1.5	1.00	2,000	N	30	700	3.0
TFS18D06	38 48 46	116 11 34	2.0	.50	2.0	.20	500	N	50	1,000	5.0
TFS18D08	38 50 18	116 8 48	5.0	.50	1.5	.70	700	N	30	700	5.0
TFS21A01	38 38 45	117 56 35	10.0	2.00	3.0	.70	1,500	N	30	1,000	3.0
TFS21A02	38 39 45	117 59 15	5.0	1.00	2.0	.50	1,000	N	100	1,000	5.0
TFS21A03	38 41 0	117 59 20	15.0	1.00	2.0	>1.00	1,500	N	70	1,000	3.0
TFS21B01	38 39 40	117 45 50	5.0	1.00	1.5	.50	1,500	N	100	1,000	5.0
TFS21B04	38 42 48	117 49 44	5.0	1.50	2.0	.30	1,000	N	50	1,000	3.0
TFS21B05	38 42 5	117 45 55	7.0	1.00	2.0	.50	1,000	N	70	700	5.0
TFS21C01	38 30 30	117 49 40	5.0	1.00	1.5	.30	1,000	N	50	1,000	7.0
TFS21C02	38 32 0	117 46 30	3.0	2.00	5.0	.30	1,000	N	70	700	7.0
TFS21C06	38 35 35	117 48 30	3.0	1.50	7.0	.30	1,000	N	100	700	5.0
TFS21C07	38 35 25	117 52 30	3.0	1.50	5.0	.30	1,000	N	70	1,000	5.0
TFS21C08	38 37 10	117 52 30	3.0	1.50	7.0	.30	1,000	N	70	1,000	5.0
TFS21D01	38 30 23	117 56 52	5.0	1.00	5.0	.30	1,000	N	70	1,000	5.0
TFS21D02	38 32 0	117 57 30	5.0	1.00	3.0	.70	1,500	<.5	50	1,000	5.0
TFS21D04	38 35 20	117 58 30	10.0	1.50	2.0	1.00	2,000	N	50	700	3.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TFS15D06	15	20	7	200	N	N	N	70	10	1,000	200
TFS15D08	7	100	10	100	5	N	15	30	10	500	100
TFS16A02	10	20	20	100	N	<20	20	50	10	500	100
TFS16A04	10	50	30	100	N	N	30	100	10	700	100
TFS16B01	20	100	7	300	N	N	20	20	15	700	150
TFS16B03	10	30	20	100	N	<20	15	70	10	500	100
TFS16B05	15	50	15	100	N	N	15	70	10	300	100
TFS16B06	20	70	10	70	N	20	20	70	15	500	150
TFS16B08	30	100	15	200	N	30	30	100	20	1,000	200
TFS16C02	5	30	7	50	N	N	15	30	7	500	100
TFS16C04	7	10	<5	50	N	N	7	20	7	500	70
TFS16C06	7	50	10	50	5	N	30	20	10	300	150
TFS16D02	10	30	10	70	N	N	10	70	10	1,000	70
TFS16D11	20	100	15	50	7	N	10	50	15	700	500
TFS16D13	10	30	20	70	N	N	15	100	10	500	100
TFS17B02	10	30	<5	500	10	20	30	15	7	500	50
TFS18A01	15	70	5	70	10	<20	50	20	15	500	200
TFS18A03	7	30	10	70	5	<20	30	50	10	500	70
TFS18A05	15	70	5	100	10	30	20	20	15	500	200
TFS18A07	15	50	7	200	10	<20	50	30	10	500	150
TFS18A09	30	200	7	500	15	20	50	20	20	500	300
TFS18A10	15	70	5	100	10	N	20	20	10	700	150
TFS18C03	10	100	7	100	15	20	30	20	10	300	100
TFS18C05	15	50	10	70	10	<20	50	30	10	700	150
TFS18C08	10	20	5	300	5	N	30	30	10	300	70
TFS18C09	20	150	7	100	5	<20	50	30	15	500	200
TFS18C10	7	15	<5	50	10	N	30	50	7	700	100
TFS18D01	10	50	5	100	20	<20	50	50	15	700	150
TFS18D05	30	70	10	500	10	<20	30	20	15	300	500
TFS18D06	7	<10	<5	50	20	N	15	20	5	700	50
TFS18D08	15	15	10	50	20	<20	30	20	10	500	200
TFS21A01	50	150	30	50	N	N	50	30	20	700	300
TFS21A02	20	70	20	30	N	N	30	20	15	700	200
TFS21A03	70	200	30	50	N	N	50	20	20	500	500
TFS21B01	20	50	20	50	5	N	30	20	10	500	150
TFS21B04	20	70	15	70	10	N	20	20	15	700	200
TFS21B05	30	70	20	100	N	N	30	20	15	700	300
TFS21C01	15	50	10	150	5	N	30	20	10	500	150
TFS21C02	10	30	20	70	10	N	30	20	10	300	100
TFS21C06	15	50	20	50	5	N	30	20	15	700	100
TFS21C07	15	30	20	50	N	N	30	50	15	500	150
TFS21C08	15	50	10	50	N	N	20	70	15	700	100
TFS21D01	20	50	30	50	7	N	30	50	15	700	150
TFS21D02	20	70	20	50	5	N	30	30	20	700	200
TFS21D04	50	100	30	50	N	N	50	30	15	700	500

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TFS15D06	N	30	N	700	5	65	N	N	<2
TFS15D08	N	30	N	1,000	<10	40	.8	N	N
TFS16A02	N	20	N	300	5	50	.3	N	N
TFS16A04	N	30	N	300	<5	50	.4	N	<2
TFS16B01	N	30	N	300	N	40	.8	N	N
TFS16B03	N	30	N	200	25	65	.4	N	2
TFS16B05	N	20	N	150	<5	70	.8	N	N
TFS16B06	N	30	N	500	<5	65	.2	N	N
TFS16B08	N	50	N	300	<5	70	.2	N	N
TFS16C02	N	20	N	500	10	60	.7	N	N
TFS16C04	N	20	N	300	N	40	.7	N	N
TFS16C06	N	30	N	200	10	70	1.0	N	N
TFS16D02	N	30	N	100	N	50	.2	N	N
TFS16D11	N	30	700	300	N	100	.3	N	N
TFS16D13	N	30	N	100	N	65	.2	N	N
TFS17B02	N	20	N	150	N	70	.2	N	N
TFS18A01	N	30	N	700	<5	60	.2	N	N
TFS18A03	N	30	N	150	N	60	.5	N	N
TFS18A05	N	20	N	200	<5	70	.4	N	N
TFS18A07	N	30	N	200	N	45	.3	N	N
TFS18A09	N	30	N	300	N	55	.3	N	N
TFS18A10	N	20	N	300	<5	50	.4	N	N
TFS18C03	N	30	N	500	15	55	.4	N	N
TFS18C05	N	30	N	300	5	60	.4	N	N
TFS18C08	N	20	N	100	N	45	.4	N	N
TFS18C09	N	30	N	500	N	55	.4	N	N
TFS18C10	N	15	N	200	N	65	.3	N	N
TFS18D01	N	30	N	200	N	35	.4	N	N
TFS18D05	N	50	500	1,000	N	150	.4	N	N
TFS18D06	N	10	N	150	N	40	.4	N	N
TFS18D08	N	30	N	150	N	80	.3	N	N
TFS21A01	N	30	N	N	N	100	N	N	2
TFS21A02	N	20	N	N	10	40	N	N	1
TFS21A03	N	20	N	N	10	130	N	N	2
TFS21B01	N	30	N	700	10	65	.2	N	3
TFS21B04	N	20	N	150	<5	55	N	N	2
TFS21B05	N	20	N	150	<5	100	N	N	1
TFS21C01	N	30	N	200	5	60	N	N	N
TFS21C02	N	20	N	150	15	55	N	N	3
TFS21C06	N	30	N	N	40	55	N	N	4
TFS21C07	N	30	N	N	20	50	N	N	4
TFS21C08	N	20	N	N	15	30	N	N	2
TFS21D01	N	30	N	N	20	95	N	N	4
TFS21D02	N	30	N	N	10	60	N	N	2
TFS21D04	N	30	N	N	10	90	N	N	2

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TFS21D05	38 36 15	117 55 0	10.0	1.00	1.5	1.00	1,500	N	50	1,000	5.0
TFS21D06	38 35 55	117 52 50	5.0	1.00	1.5	.50	1,000	N	100	1,000	5.0
TFS21D07	38 34 10	117 54 30	5.0	1.00	1.5	.30	1,500	.5	70	1,000	5.0
TFS21D08	38 33 20	117 52 50	3.0	1.00	5.0	.20	700	N	100	700	5.0
TFS21D09	38 31 50	117 54 25	5.0	2.00	2.0	.30	700	N	150	700	5.0
TFS22B01	38 37 40	117 34 30	3.0	.50	1.0	.30	700	.5	50	1,000	5.0
TFS22B03	38 39 0	117 36 25	7.0	.50	1.5	.50	1,000	N	50	1,000	5.0
TFS22B04	38 39 45	117 36 40	2.0	.50	1.5	.20	1,000	N	50	1,500	5.0
TFS22B06	38 41 45	117 36 40	3.0	.70	1.5	.30	700	N	30	1,000	5.0
TFS22B09	38 44 55	117 36 10	2.0	.70	1.5	.30	1,000	N	70	700	7.0
TFS22B10	38 43 40	117 34 15	10.0	.70	1.5	.70	1,500	N	20	1,000	5.0
TFS22B15	38 38 0	117 30 25	5.0	.50	1.0	.50	1,000	N	50	1,000	5.0
TFS22C01	38 31 10	117 37 0	3.0	1.50	10.0	.50	1,000	N	100	700	3.0
TFS22C03	38 30 20	117 36 30	5.0	1.50	3.0	.50	2,000	N	150	1,500	3.0
TFS22C04	38 34 0	117 36 40	5.0	1.00	2.0	.30	1,000	.5	70	1,500	5.0
TFS22C06	38 33 20	117 34 40	3.0	.70	1.5	.30	1,000	N	70	1,000	5.0
TFS22C07	38 34 35	117 33 12	2.0	.50	1.0	.20	700	N	50	1,000	5.0
TFS22C08	38 37 10	117 30 52	2.0	.70	2.0	.20	1,000	N	50	1,500	3.0
TFS22C09	38 37 8	117 30 48	3.0	1.50	2.0	.50	1,500	N	70	1,500	2.0
TFS22C10	38 36 43	117 31 0	5.0	.70	1.0	.50	1,000	.5	30	1,000	5.0
TFS22C13	38 33 45	117 30 40	3.0	1.00	1.5	.30	2,000	N	70	1,500	5.0
TFS22C14	38 33 45	117 35 20	5.0	1.50	3.0	.50	1,500	N	100	2,000	3.0
TFS22D03	38 31 14	117 42 18	7.0	1.00	5.0	.50	700	N	50	1,000	5.0
TFS22D04	38 34 18	117 37 48	5.0	.70	1.5	.50	1,000	N	70	1,000	5.0
TFS23A04	38 38 40	117 28 20	3.0	.50	1.5	.30	1,000	N	70	1,000	5.0
TFS23A05	38 38 42	117 28 21	5.0	.70	1.0	.50	1,000	N	50	700	3.0
TFS23A06	38 39 45	117 29 50	5.0	.70	1.0	.50	1,000	N	50	1,000	5.0
TFS23A07	38 41 0	117 30 0	2.0	.50	1.0	.20	700	N	70	1,500	7.0
TFS23A15	38 41 30	117 29 50	5.0	.70	2.0	.50	1,000	N	50	1,500	5.0
TFS23B01	38 37 30	117 17 20	2.0	.50	1.0	.20	1,000	N	70	1,000	5.0
TFS23B18	38 43 15	117 16 5	3.0	.50	1.0	.30	1,000	N	50	700	5.0
TFS23C02	38 35 36	117 15 16	5.0	.50	.7	.50	1,500	N	30	1,000	5.0
TFS23C04	38 36 16	117 17 40	2.0	.50	.7	.20	1,000	N	50	1,000	7.0
TFS23D02	38 33 30	117 26 50	3.0	.70	1.0	.30	700	<.5	50	1,500	7.0
TFS23D03	38 34 10	117 30 0	3.0	.50	1.0	.50	1,000	N	70	1,500	7.0
TFS24A04	38 41 40	117 12 30	3.0	1.00	1.0	.30	700	N	100	1,000	7.0
TFS24B03	38 38 25	117 3 5	3.0	.50	1.0	.30	500	N	50	1,000	10.0
TFS24B04	38 43 45	117 1 25	2.0	.50	1.0	.15	1,000	N	50	1,000	5.0
TFS24B05	38 41 15	117 3 10	3.0	.50	1.0	.50	700	N	30	1,000	7.0
TFS24B09	38 43 45	117 1 25	2.0	.50	1.0	.15	1,000	N	50	1,000	5.0
TFS24B10	38 45 0	117 0 20	2.0	.50	1.5	.20	700	N	50	1,500	5.0
TFS24C04	38 32 10	117 7 25	3.0	1.00	.7	.20	1,000	N	100	1,000	7.0
TFS24C05	38 33 50	117 6 25	2.0	.70	.7	.30	700	N	50	1,000	5.0
TFS24C06	38 37 20	117 2 51	2.0	.50	1.0	.30	1,000	.7	70	1,000	10.0
TFS24C07	38 37 22	117 2 50	3.0	.30	.7	.50	1,000	N	30	1,000	7.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TFS21D05	30	100	20	50	N	N	30	30	15	500	300
TFS21D06	30	70	20	50	10	N	50	30	15	500	150
TFS21D07	15	70	15	50	N	N	20	30	15	500	100
TFS21D08	10	30	30	30	<5	N	10	30	7	500	100
TFS21D09	15	50	30	30	N	N	20	30	10	700	200
TFS22B01	10	30	15	50	N	N	7	20	7	500	150
TFS22B03	15	20	20	50	N	<20	10	20	10	500	200
TFS22B04	10	10	7	30	N	N	15	20	7	700	100
TFS22B06	10	50	15	50	N	N	10	20	10	500	100
TFS22B09	7	20	20	50	N	N	10	70	10	500	100
TFS22B10	20	50	10	100	N	N	7	20	15	300	500
TFS22B15	10	30	10	50	7	N	50	20	10	500	200
TFS22C01	10	70	30	50	N	N	10	200	10	500	200
TFS22C03	20	70	30	70	N	N	15	20	15	500	200
TFS22C04	10	50	20	50	N	N	7	30	7	500	100
TFS22C06	10	30	20	100	10	N	70	30	10	500	100
TFS22C07	7	10	10	50	N	N	15	30	7	500	70
TFS22C08	5	20	7	20	N	N	<5	20	7	700	100
TFS22C09	15	70	15	20	N	N	10	150	10	700	150
TFS22C10	10	20	7	50	7	N	50	20	10	500	150
TFS22C13	10	30	15	50	10	N	70	30	10	500	100
TFS22C14	20	70	20	50	N	N	15	70	10	700	200
TFS22D03	20	70	20	50	20	N	50	15	10	700	200
TFS22D04	10	30	20	70	N	N	20	30	15	500	150
TFS23A04	7	20	7	50	5	N	30	20	10	500	150
TFS23A05	10	50	10	50	N	N	30	20	10	300	200
TFS23A06	10	50	10	50	N	N	20	20	15	500	200
TFS23A07	7	20	7	30	N	N	5	20	7	500	70
TFS23A15	10	30	7	50	N	N	7	20	10	500	150
TFS23B01	10	70	10	50	N	N	50	20	10	300	100
TFS23B18	7	50	5	70	N	N	20	15	10	300	100
TFS23C02	10	30	7	70	7	<20	20	20	10	300	200
TFS23C04	7	30	10	50	N	N	30	20	10	300	100
TFS23D02	10	30	10	30	N	N	20	30	10	300	100
TFS23D03	10	20	10	100	N	N	10	20	10	500	100
TFS24A04	15	150	15	70	N	N	50	30	15	300	150
TFS24B03	7	20	15	100	N	20	15	30	7	1,000	100
TFS24B04	7	15	10	70	N	N	20	20	10	500	100
TFS24B05	7	20	15	700	N	N	10	20	7	700	100
TFS24B09	7	15	10	70	N	N	20	20	10	500	100
TFS24B10	7	10	5	70	N	N	10	20	10	1,000	70
TFS24C04	50	70	30	100	N	30	50	30	15	200	200
TFS24C05	10	70	10	70	N	N	15	30	10	500	100
TFS24C06	7	20	10	50	N	<20	15	30	10	300	70
TFS24C07	5	15	7	70	N	<20	7	30	7	300	100

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TFS21D05	N	30	N	N	35	100	N	N	5
TFS21D06	N	20	N	N	50	65	N	N	13
TFS21D07	N	30	N	N	30	65	N	N	5
TFS21D08	N	20	N	100	80	45	.6	N	20
TFS21D09	N	15	N	100	30	50	.3	N	4
TFS22B01	N	20	N	150	20	45	N	N	4
TFS22B03	N	30	N	500	N	60	N	N	<2
TFS22B04	N	15	N	200	N	30	.8	N	N
TFS22B06	N	20	N	150	N	50	N	N	N
TFS22B09	N	20	N	100	<10	40	N	N	N
TFS22B10	N	50	N	>1,000	<10	60	N	N	N
TFS22B15	N	20	N	300	10	35	.2	N	4
TFS22C01	N	20	N	70	50	65	N	N	4
TFS22C03	N	20	N	1,000	30	45	N	N	4
TFS22C04	N	20	N	70	<10	45	N	N	N
TFS22C06	N	30	N	300	<10	30	.7	N	N
TFS22C07	N	20	N	150	<10	30	.5	N	N
TFS22C08	N	20	N	200	<5	45	N	1	<2
TFS22C09	N	30	N	300	<5	40	N	N	<2
TFS22C10	N	30	N	500	<10	50	.4	N	N
TFS22C13	N	20	N	100	N	35	.2	N	N
TFS22C14	N	30	N	200	<5	60	N	1	2
TFS22D03	N	20	N	150	<5	95	N	N	N
TFS22D04	N	20	N	100	10	45	.2	N	4
TFS23A04	N	15	N	100	<10	40	.2	N	4
TFS23A05	N	20	N	1,000	<10	50	.1	N	N
TFS23A06	N	20	N	1,000	N	50	.1	N	N
TFS23A07	N	15	N	200	N	35	N	N	N
TFS23A15	N	20	N	300	N	35	N	N	N
TFS23B01	N	20	N	300	20	50	.8	N	N
TFS23B18	N	20	N	500	<10	60	.2	N	2
TFS23C02	N	30	N	500	N	70	.5	N	4
TFS23C04	N	20	N	500	10	50	.7	N	N
TFS23D02	N	15	N	100	N	45	N	N	4
TFS23D03	N	20	N	200	<10	40	N	N	N
TFS24A04	N	20	N	100	30	120	1.4	N	N
TFS24B03	N	15	N	200	30	70	N	N	3
TFS24B04	N	20	N	200	20	50	.9	N	N
TFS24B05	N	30	N	200	25	55	.1	N	3
TFS24B09	N	20	N	200	20	50	.9	N	N
TFS24B10	N	20	N	150	130	45	N	N	2
TFS24C04	N	30	N	200	60	120	1.5	N	4
TFS24C05	N	20	N	200	40	80	.1	N	2
TFS24C06	N	30	N	300	20	65	<.1	N	3
TFS24C07	N	20	N	200	15	75	<.1	N	3

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s
TFS24D01	38 30 35	117 9 50	5.0	1.00	3.0	.50	1,000	N	100	1,000	20.0
TFS24D04	38 31 40	117 9 55	5.0	.70	.7	.50	1,000	N	100	1,000	7.0
TFS25A08	38 41 26	116 54 52	5.0	.50	.7	.50	1,000	N	100	1,000	7.0
TFS25A10	38 40 44	116 54 8	2.0	.20	.7	.20	500	N	50	1,000	10.0
TFS25A12	38 40 26	116 53 46	2.0	1.00	1.0	.20	700	N	150	1,000	7.0
TFS25A14	38 39 56	116 52 40	1.5	.50	1.0	.20	1,000	30.0	50	1,000	5.0
TFS25B04	38 39 38	116 48 58	5.0	.50	1.0	.30	1,000	N	50	1,000	10.0
TFS25B05	38 41 24	116 49 26	2.0	.70	1.0	.20	2,000	1.5	70	1,500	7.0
TFS25B09	38 43 8	116 48 34	2.0	.70	1.0	.20	700	N	50	1,000	5.0
TFS25B10	38 44 52	116 49 8	3.0	.70	1.0	.20	1,000	N	20	700	5.0
TFS25D01	38 30 20	116 59 38	3.0	.50	1.0	.50	1,000	N	200	1,000	7.0
TFS25D03	38 32 4	116 57 50	5.0	1.00	1.5	.50	1,500	N	30	1,500	7.0
TFS25D05	38 34 8	116 59 16	2.0	.70	1.0	.30	1,000	N	20	1,000	5.0
TFS25D07	38 35 42	116 57 42	5.0	.30	.7	.50	500	N	30	1,000	10.0
TFS25D08	38 36 12	116 59 14	10.0	.20	1.0	1.00	1,000	N	20	700	10.0
TFS25D09	38 36 14	116 59 10	2.0	.30	1.0	.30	700	N	20	1,000	10.0
TFS25D14	38 35 20	116 56 10	1.5	.20	.7	.20	700	N	30	700	15.0
TFS25D15	38 35 56	116 54 34	2.0	.30	1.0	.20	700	N	30	700	10.0
TFS25D18	38 33 12	116 53 22	3.0	1.00	.7	.30	1,000	N	50	1,000	10.0
TFS25D20	38 31 25	116 53 36	5.0	1.00	1.0	.30	1,500	N	70	1,500	5.0
TFS26A05	38 38 34	116 38 52	3.0	.30	1.0	.30	700	N	30	2,000	7.0
TFS26A09	38 40 32	116 38 26	2.0	.70	1.5	.20	1,000	N	30	1,500	5.0
TFS26A10	38 40 34	116 38 28	2.0	1.00	1.5	.20	300	N	30	1,000	5.0
TFS26A11	38 41 42	116 38 12	2.0	.70	1.5	.30	700	N	30	2,000	5.0
TFS26A12	38 42 50	116 41 22	5.0	1.00	1.5	.30	1,000	N	50	2,000	10.0
TFS26A14	38 44 16	116 41 58	5.0	1.00	2.0	.30	1,500	.5	50	1,500	7.0
TFS26C01	38 30 38	116 33 52	5.0	.50	1.5	.70	1,000	N	30	2,000	5.0
TFS26C05	38 33 58	116 34 48	10.0	.50	1.5	1.00	1,500	N	30	1,500	5.0
TFS26C08	38 35 25	116 35 40	3.0	.50	1.5	.50	1,000	N	50	1,500	7.0
TFS26C10	38 36 24	116 30 54	5.0	.50	1.0	.50	1,000	N	30	1,000	5.0
TFS26C12	38 37 26	116 31 22	3.0	.20	1.0	.50	700	N	20	1,000	5.0
TFS26D03	38 32 52	116 38 16	2.0	.70	1.5	.20	1,000	N	50	1,500	5.0
TFS26D05	38 32 52	116 38 16	1.5	.50	1.0	.30	700	<.5	30	1,500	5.0
TFS27A03	38 42 54	116 2 54	5.0	.50	1.0	.50	1,000	N	50	1,000	5.0
TFS27A04	38 41 34	116 30 0	2.0	1.00	2.0	.20	1,000	N	50	1,000	7.0
TFS27A05	38 40 48	116 29 34	2.0	.50	1.0	.20	500	N	30	1,000	5.0
TFS27A06	38 38 16	116 29 58	10.0	.50	1.5	.50	1,000	N	50	1,000	7.0
TFS31A18	38 27 50	117 58 5	5.0	1.00	7.0	.50	1,500	N	150	1,000	5.0
TFS31A19	38 29 35	117 56 20	5.0	2.00	7.0	.20	1,000	N	150	700	5.0
TFS31B02	38 27 55	117 48 30	5.0	1.00	5.0	.30	1,000	N	100	1,000	3.0
TFS31B04	38 29 40	117 45 20	5.0	2.00	5.0	.30	1,000	N	200	1,500	5.0
TFS32A02	38 23 0	117 43 40	5.0	1.00	2.0	.30	1,000	N	100	1,500	5.0
TFS32A04	38 24 45	117 43 30	7.0	1.50	5.0	.50	1,500	N	150	1,500	7.0
TFS32A06	38 26 55	117 43 55	7.0	1.00	3.0	.50	1,500	N	70	1,500	5.0
TFS32A08	38 29 10	117 42 50	7.0	1.50	3.0	.50	1,500	N	50	1,000	5.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TFS24D01	20	100	15	100	N	N	50	20	15	500	150
TFS24D04	20	100	20	100	N	N	30	20	10	500	150
TFS25A08	15	50	10	300	N	N	10	30	15	300	200
TFS25A10	5	<10	10	50	N	N	7	20	5	500	50
TFS25A12	20	30	15	100	N	N	20	20	10	500	100
TFS25A14	7	10	15	150	N	N	15	30	10	500	70
TFS25B04	7	15	7	150	N	<20	10	30	10	500	100
TFS25B05	7	10	15	70	7	N	10	70	10	300	70
TFS25B09	10	30	15	200	N	N	15	30	7	300	100
TFS25B10	10	15	5	50	N	N	5	15	10	500	150
TFS25D01	15	50	20	500	N	N	20	20	10	300	100
TFS25D03	15	50	20	70	5	<20	30	70	10	500	150
TFS25D05	10	10	7	50	N	<20	20	30	10	500	100
TFS25D07	5	10	10	1,000	N	<20	5	20	7	1,000	150
TFS25D08	7	20	5	500	N	20	<5	20	10	1,000	200
TFS25D09	7	<10	10	70	N	N	10	20	5	1,000	100
TFS25D14	7	<10	15	30	N	N	5	30	5	700	50
TFS25D15	5	<10	7	50	N	N	5	20	5	700	70
TFS25D18	15	70	30	50	5	<20	50	20	10	300	150
TFS25D20	20	70	10	50	N	N	50	50	10	500	100
TFS26A05	7	15	5	500	N	N	5	50	10	300	100
TFS26A09	10	10	7	150	N	N	5	70	10	500	70
TFS26A10	5	10	<5	50	N	N	<5	10	7	300	50
TFS26A11	7	10	7	70	N	N	5	50	10	500	70
TFS26A12	15	50	7	70	10	N	10	50	15	500	100
TFS26A14	10	30	15	50	N	N	10	100	15	700	150
TFS26C01	10	30	7	150	15	<20	50	30	5	700	150
TFS26C05	15	50	7	500	N	N	20	50	10	500	300
TFS26C08	10	15	7	100	15	N	50	30	10	700	70
TFS26C10	10	50	7	70	N	N	5	50	10	500	200
TFS26C12	7	10	<5	200	N	<20	5	20	10	500	70
TFS26D03	7	20	10	70	N	N	10	70	7	500	70
TFS26D05	5	15	10	150	N	N	7	100	7	300	70
TFS27A03	10	30	7	100	N	N	5	20	10	300	200
TFS27A04	10	20	7	70	N	N	10	20	10	300	100
TFS27A05	7	15	<5	150	N	N	5	20	7	500	70
TFS27A06	15	50	7	500	N	20	10	10	10	500	200
TFS31A18	20	50	30	30	N	N	20	20	15	1,500	150
TFS31A19	10	70	30	30	N	N	20	70	10	500	100
TFS31B02	15	30	20	30	N	N	15	20	15	700	150
TFS31B04	15	100	20	50	N	N	50	20	15	300	150
TFS32A02	15	50	20	50	N	N	15	30	10	700	150
TFS32A04	20	70	15	70	N	N	20	50	15	1,000	200
TFS32A06	20	50	20	50	N	N	15	30	10	1,000	200
TFS32A08	20	50	20	70	N	N	15	20	15	1,000	200

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TFS24D01	N	50	N	300	20	60	.1	N	2
TFS24D04	N	30	N	200	20	80	<.1	N	2
TFS25A08	N	100	N	1,000	30	80	1.0	N	N
TFS25A10	N	15	N	150	20	50	1.1	6	<2
TFS25A12	N	20	N	200	10	60	.8	7	N
TFS25A14	N	20	N	200	40	45	.5	N	N
TFS25B04	N	20	N	700	10	55	.6	N	N
TFS25B05	N	30	N	150	40	65	.2	N	2
TFS25B09	N	20	N	300	<5	60	.2	N	N
TFS25B10	N	20	N	500	<5	70	.2	N	N
TFS25D01	N	50	N	300	5	45	.1	N	2
TFS25D03	N	30	N	500	25	110	.2	N	3
TFS25D05	N	30	N	200	40	50	.1	N	2
TFS25D07	N	50	N	300	5	65	.1	N	2
TFS25D08	N	50	N	700	<5	90	N	N	4
TFS25D09	N	15	N	200	10	72	.1	N	2
TFS25D14	N	10	N	150	20	40	.2	N	2
TFS25D15	N	15	N	150	5	65	.1	N	1
TFS25D18	N	15	N	200	10	75	.3	N	2
TFS25D20	N	20	N	200	5	65	.3	N	N
TFS26A05	N	30	N	500	<5	40	.2	N	N
TFS26A09	N	20	N	500	<5	45	.3	N	N
TFS26A10	N	15	N	500	10	55	.8	N	N
TFS26A11	N	20	N	300	<5	32	.3	N	N
TFS26A12	N	30	N	700	N	45	.5	N	N
TFS26A14	N	20	200	200	N	30	.5	N	N
TFS26C01	N	20	N	1,000	N	35	.4	N	N
TFS26C05	N	30	<200	1,000	N	140	.5	N	N
TFS26C08	N	20	N	500	N	60	.6	N	N
TFS26C10	N	20	N	500	N	60	.7	N	N
TFS26C12	N	30	N	1,000	N	30	N	N	N
TFS26D03	N	30	N	200	N	40	.4	N	N
TFS26D05	N	20	N	200	10	35	.4	N	N
TFS27A03	N	50	N	>1,000	50	55	N	N	N
TFS27A04	N	20	N	500	40	65	N	N	4
TFS27A05	N	20	N	>1,000	N	50	N	N	N
TFS27A06	N	50	N	700	N	80	N	N	N
TFS31A18	N	20	N	300	10	50	N	N	N
TFS31A19	N	15	N	70	20	55	N	N	N
TFS31B02	N	20	N	200	10	60	N	N	N
TFS31B04	N	20	N	100	<10	45	N	N	N
TFS32A02	N	15	N	100	10	35	N	N	N
TFS32A04	N	20	N	100	10	40	N	N	N
TFS32A06	N	20	N	100	<10	50	N	N	N
TFS32A08	N	20	N	100	10	55	N	N	N

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TFS32A10	38 28 10	117 39 20	7.0	1.50	2.0	.50	1,500	2.0	200	1,500	5.0
TFS32B02	38 28 10	117 35 0	5.0	1.00	2.0	.50	1,000	N	50	700	2.0
TFS32B04	38 25 10	117 34 5	3.0	.70	1.5	.30	1,000	N	150	1,500	5.0
TFS32B06	38 23 15	117 31 20	5.0	1.50	2.0	.50	1,000	N	100	1,000	5.0
TFS32C01	38 17 30	117 31 40	3.0	1.00	1.5	.50	1,000	1.0	70	1,000	7.0
TFS32C03	38 17 10	117 35 45	3.0	1.00	1.5	.50	1,000	.5	100	1,000	7.0
TFS32D01	38 16 55	117 40 40	5.0	.70	1.5	.50	1,000	N	100	1,000	5.0
TFS32D03	38 18 40	117 42 30	3.0	.70	1.5	.50	2,000	N	150	1,500	7.0
TFS32D05	38 21 55	117 43 40	5.0	1.00	1.5	.30	1,000	N	100	1,000	3.0
TFS33004	38 29 0	117 26 15	3.0	.70	1.5	.50	700	.5	50	1,000	5.0
TFS33005	38 18 45	117 29 45	5.0	1.00	1.5	.50	1,500	<.5	100	1,500	7.0
TFS33006	38 18 0	117 30 0	2.0	.70	1.5	.50	1,500	N	70	1,500	5.0
TFS33009	38 23 15	117 29 30	5.0	1.00	2.0	.50	1,500	N	100	1,500	5.0
TFS34002	38 29 30	117 2 45	3.0	1.00	1.0	.30	700	N	70	1,000	5.0
TFS34004	38 28 20	117 3 0	2.0	.70	1.0	.20	700	N	50	1,000	10.0
TFS34006	38 26 30	117 7 30	5.0	1.00	2.0	.30	1,000	N	100	1,500	7.0
TFS34008	38 28 20	117 10 30	5.0	1.50	1.5	.50	1,000	N	100	1,500	7.0
TFS34011	38 26 30	117 9 45	2.0	1.00	1.0	.20	1,000	N	70	1,000	5.0
TFS35A01	38 23 14	116 54 48	3.0	1.50	1.5	.30	1,000	.5	70	1,000	7.0
TFS35A05	38 27 38	116 53 56	3.0	1.00	1.0	.20	1,000	N	70	1,500	7.0
TFS35A08	38 27 26	116 52 34	3.0	1.00	1.5	.20	1,000	N	30	1,000	7.0
TFS35B06	38 24 6	116 48 6	2.0	.70	1.0	.20	700	N	70	1,000	7.0
TFS35B07	38 24 24	116 47 18	3.0	1.00	1.5	.30	1,000	N	70	1,500	7.0
TFS35B08	38 24 8	116 51 8	2.0	.50	1.0	.30	1,000	N	50	1,000	5.0
TFS35B10	38 25 28	116 46 28	2.0	1.00	1.0	.20	700	.5	70	1,000	7.0
TFS35B12	38 26 34	116 47 22	2.0	1.00	1.0	.20	1,000	N	70	1,000	5.0
TFS35B14	38 27 36	116 49 12	3.0	1.00	1.5	.20	1,500	<.5	70	1,000	7.0
TFS35B19	38 24 26	116 47 24	3.0	.50	1.0	.30	1,000	N	50	1,500	5.0
TFS35B25	38 28 54	116 47 38	2.0	.70	.7	.15	700	N	70	1,000	5.0
TFS35C05	38 18 52	116 51 52	10.0	1.50	2.0	.50	1,500	N	70	1,500	5.0
TFS35C07	38 18 22	116 49 6	7.0	1.00	2.0	.50	1,000	N	100	2,000	5.0
TFS35C08	38 18 16	116 48 16	5.0	1.00	1.0	.20	700	N	50	1,500	3.0
TFS35C14	38 22 14	116 48 8	2.0	.70	1.0	.20	500	N	30	1,500	1.5
TFS35D02	38 18 34	116 53 14	7.0	1.00	1.5	.50	1,000	N	70	1,500	5.0
TFS35D03	38 18 42	116 53 54	5.0	1.00	1.0	.30	700	N	50	1,000	3.0
TFS35D04	38 19 26	116 54 8	10.0	1.50	2.0	.50	1,500	N	70	2,000	5.0
TFS36A01	38 23 12	116 41 48	2.0	.30	1.0	.15	500	15.0	30	1,500	3.0
TFS36A04	38 24 36	116 40 48	5.0	1.00	1.5	.30	1,000	N	100	1,500	7.0
TFS36A08	38 28 24	116 42 8	3.0	.50	1.0	.30	1,000	N	50	1,500	3.0
TFS36A11	38 29 24	116 39 6	3.0	.50	1.0	.30	1,000	N	70	1,500	5.0
TFS36A12	38 29 8	116 44 6	3.0	.50	1.5	.30	700	N	70	1,500	5.0
TFS36B02	38 24 12	116 31 18	1.5	.50	1.0	.20	500	N	30	1,000	3.0
TFS36B04	38 26 58	116 31 12	3.0	.30	1.0	.30	500	N	30	1,000	2.0
TFS36B06	38 29 26	116 31 4	2.0	.50	1.5	.20	500	N	50	1,000	3.0
TFS36B08	38 28 22	116 34 2	5.0	.50	1.0	.30	700	N	30	1,000	3.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TFS32A10	50	70	20	50	7	N	30	30	15	700	200
TFS32B02	30	100	10	20	N	N	30	20	15	700	200
TFS32B04	15	70	30	70	20	N	20	30	10	700	150
TFS32B06	20	70	10	70	5	N	50	20	10	700	150
TFS32C01	15	50	15	50	10	<20	30	30	10	500	100
TFS32C03	15	30	15	50	10	<20	50	30	10	500	100
TFS32D01	15	70	15	70	5	N	20	20	15	700	150
TFS32D03	15	50	15	100	7	<20	50	30	15	700	100
TFS32D05	10	50	30	50	10	N	50	15	10	700	150
TFS33004	10	50	20	50	N	N	30	30	15	500	100
TFS33005	20	50	30	50	10	N	50	50	10	500	150
TFS33006	10	50	15	50	10	N	30	100	10	500	150
TFS33009	20	100	20	50	10	N	70	30	15	700	200
TFS34002	10	50	10	70	N	N	15	50	7	500	150
TFS34004	7	30	10	50	N	N	20	50	5	700	70
TFS34006	15	50	30	50	5	<20	50	50	10	500	200
TFS34008	30	100	30	70	N	N	100	15	15	500	200
TFS34011	10	50	15	30	N	N	20	20	7	500	100
TFS35A01	10	50	30	50	N	N	30	50	10	300	150
TFS35A05	10	30	10	50	N	N	20	30	7	500	100
TFS35A08	10	20	7	50	N	N	10	20	10	500	150
TFS35B06	7	70	15	50	N	N	20	30	10	300	70
TFS35B07	10	30	15	50	N	N	30	50	10	500	100
TFS35B08	7	20	15	200	N	N	15	30	10	500	100
TFS35B10	7	30	10	100	N	N	10	30	10	500	100
TFS35B12	7	50	10	100	N	N	10	50	10	300	70
TFS35B14	10	20	10	100	N	N	20	50	10	500	100
TFS35B19	10	15	7	50	N	N	7	20	7	700	100
TFS35B25	5	20	5	50	N	N	7	100	7	300	50
TFS35C05	20	70	15	200	N	N	10	20	15	700	300
TFS35C07	20	50	15	100	N	<20	10	20	10	1,000	200
TFS35C08	10	30	15	50	N	N	15	20	7	700	70
TFS35C14	5	50	5	30	N	N	7	10	5	500	30
TFS35D02	10	50	10	30	N	N	10	10	10	700	150
TFS35D03	10	50	15	70	N	N	10	30	7	500	100
TFS35D04	20	100	20	150	5	N	10	50	10	1,500	500
TFS36A01	5	10	5	30	30	N	<5	10	5	500	50
TFS36A04	10	50	20	100	N	N	15	50	10	500	100
TFS36A08	7	15	5	30	N	N	10	15	7	500	70
TFS36A11	7	20	10	50	N	N	7	20	7	500	100
TFS36A12	7	15	5	70	N	N	10	30	7	500	50
TFS36B02	5	15	7	50	N	N	20	20	5	500	50
TFS36B04	10	20	5	50	N	N	10	10	5	300	100
TFS36B06	7	15	7	100	N	N	7	15	7	500	50
TFS36B08	10	20	5	200	N	N	7	15	10	500	150

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TFS32A10	N	20	N	150	30	45	N	N	N
TFS32B02	N	15	N	100	N	60	N	N	N
TFS32B04	N	20	200	200	30	150	N	N	5
TFS32B06	N	20	N	150	5	50	N	N	N
TFS32C01	N	30	N	200	<5	50	N	N	N
TFS32C03	N	20	N	150	--	--	--	N	--
TFS32D01	N	30	N	300	10	40	N	N	N
TFS32D03	N	30	N	200	20	40	N	N	4
TFS32D05	N	20	N	150	10	40	.2	N	N
TFS33004	N	30	N	100	<10	40	N	N	N
TFS33005	N	20	N	200	20	80	N	N	1
TFS33006	N	20	N	150	<5	60	N	N	N
TFS33009	N	30	N	200	<5	50	N	N	2
TFS34002	N	15	N	300	<5	55	.3	N	N
TFS34004	N	20	N	200	5	60	.5	N	N
TFS34006	N	20	<200	300	5	100	.7	N	<2
TFS34008	N	30	N	150	20	90	.6	N	N
TFS34011	N	20	N	150	50	65	.4	N	N
TFS35A01	N	30	N	150	N	90	.6	N	N
TFS35A05	N	20	N	150	N	70	.4	N	N
TFS35A08	N	20	N	150	N	70	.4	N	N
TFS35B06	N	20	N	300	10	55	.4	N	N
TFS35B07	N	20	N	200	5	55	.4	N	<2
TFS35B08	N	20	N	300	10	60	.3	N	N
TFS35B10	N	30	N	200	N	50	.3	N	2
TFS35B12	N	20	N	150	N	55	.4	N	N
TFS35B14	N	20	N	150	N	50	.2	N	N
TFS35B19	N	20	N	300	5	45	.4	N	N
TFS35B25	N	20	N	200	N	20	.6	N	N
TFS35C05	N	20	N	1,000	<10	65	N	N	N
TFS35C07	N	30	N	1,000	<10	40	N	N	N
TFS35C08	N	15	N	200	<10	40	N	N	<2
TFS35C14	N	15	N	150	<10	25	N	N	<2
TFS35D02	N	30	N	1,000	<10	40	N	N	N
TFS35D03	N	20	N	200	<10	40	N	N	<2
TFS35D04	N	50	N	>1,000	<10	60	N	N	N
TFS36A01	N	10	N	500	80	45	N	N	10
TFS36A04	N	30	N	700	<10	40	N	N	N
TFS36A08	N	15	N	300	<10	20	N	N	N
TFS36A11	N	20	N	500	<10	30	N	N	N
TFS36A12	N	20	N	150	N	5	N	N	N
TFS36B02	N	10	N	150	N	30	.1	N	<2
TFS36B04	N	30	N	300	N	50	.1	N	N
TFS36B06	N	15	N	200	N	35	.2	N	N
TFS36B08	N	20	N	300	N	60	.2	N	N

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s
TFS36C01	38 15 56	116 30 54	2.0	.70	2.0	.20	1,000	N	70	2,000	3.0
TFS36C03	38 18 0	116 30 54	1.5	.30	1.0	.20	300	N	30	1,000	3.0
TFS36C06	38 22 6	116 31 2	2.0	.50	1.0	.15	500	N	30	1,000	3.0
TFS36C07	38 15 40	116 35 32	5.0	1.00	1.5	.30	1,000	N	30	1,000	5.0
TFS36C10	38 21 32	116 35 54	3.0	.70	1.0	.30	1,000	N	50	1,000	5.0
TFS36D01	38 18 48	116 43 36	5.0	.70	1.0	.30	1,000	1.5	50	1,500	5.0
TFS36D02	38 18 50	116 43 30	3.0	.70	1.0	.30	700	N	50	1,500	3.0
TFS36D04	38 16 8	116 42 4	7.0	1.00	2.0	.50	1,000	N	50	2,000	7.0
TFS36D05	38 17 18	116 40 8	7.0	1.00	2.0	.50	1,500	N	50	2,000	5.0
TFS36D06	38 19 18	116 40 10	5.0	1.00	1.5	.30	700	N	70	2,000	5.0
TFS36D08	38 20 26	116 43 28	5.0	.70	1.0	.50	1,000	N	50	1,500	5.0
TFS37A01	38 28 28	116 28 8	2.0	.30	1.0	.20	1,000	N	30	1,500	3.0
TFS37A05	38 26 56	116 25 4	3.0	.50	.7	.30	700	N	100	1,000	5.0
TFS37A07	38 24 38	116 26 28	1.0	.20	1.0	.15	500	N	20	1,500	3.0
TFS37B01	38 23 8	116 21 28	2.0	1.00	3.0	.30	700	1.5	100	1,000	7.0
TFS37B02	38 24 26	116 21 6	1.5	1.00	3.0	.30	500	N	50	1,500	5.0
TFS37C01	38 16 2	116 21 32	3.0	.50	.7	.50	1,000	N	70	1,000	7.0
TFS37C03	38 18 18	116 21 8	2.0	.50	1.0	.50	500	N	50	1,500	5.0
TFS37C04	38 19 56	116 21 26	2.0	.50	1.5	.30	700	N	50	1,500	5.0
TFS37D01	38 22 20	116 25 42	3.0	.70	1.5	.30	1,000	N	30	1,500	5.0
TFS37D03	38 21 28	116 29 8	3.0	.70	1.0	.20	700	N	50	1,000	7.0
TFS37D05	38 18 46	116 25 16	2.0	.30	1.0	.20	500	N	70	2,000	5.0
TFS37D07	38 15 34	116 24 0	3.0	1.00	2.0	.30	700	N	50	1,000	7.0
TFS46C01	38 4 48	116 31 16	3.0	.30	.7	.20	1,000	N	70	1,000	7.0
TFS46C03	38 2 22	116 31 28	5.0	.50	1.0	.30	1,000	N	50	1,000	5.0
TFS46C05	38 0 48	116 33 48	5.0	.20	1.0	.50	1,500	N	50	700	5.0
TFS47A02	38 7 48	116 22 34	3.0	.50	.7	.20	1,000	N	50	1,000	7.0
TFS47A04	38 10 8	116 25 12	5.0	.50	1.5	.30	1,000	N	20	1,000	7.0
TFS47A05	38 10 44	116 26 24	3.0	.50	1.0	.30	1,000	N	50	1,500	7.0
TFS47A08	38 13 44	116 23 12	2.0	.50	1.0	.20	700	N	100	1,500	7.0
TFS47A10	38 14 4	116 28 42	1.5	.30	1.0	.20	500	N	30	1,500	5.0
TFS47D01	38 0 26	116 23 10	2.0	.20	1.0	.20	700	N	30	1,000	7.0
TFS47D03	38 1 32	116 23 42	3.0	.20	.5	.30	1,000	20.0	50	1,000	5.0
TFS47D04	38 3 20	116 27 12	3.0	.50	1.0	.30	700	N	50	1,000	7.0
TFS47D07	38 3 56	116 27 24	2.0	.30	1.0	.30	700	N	30	1,000	5.0
TFS47D08	38 5 32	116 29 8	2.0	.50	1.5	.20	1,000	N	50	1,500	5.0
TFS47D09	38 6 46	116 23 18	2.0	.70	.7	.20	1,000	N	50	1,000	5.0
TH00001S	38 59 52	117 13 32	15.0	1.00	5.0	1.00	1,000	N	150	1,000	1.5
TH00002S	38 59 34	117 13 18	10.0	2.00	5.0	.50	2,000	N	20	1,000	2.0
TH00003S	38 59 12	117 13 15	10.0	2.00	3.0	1.00	1,500	N	30	1,000	3.0
TH00004S	38 58 41	117 13 54	10.0	1.50	2.0	.70	1,500	<.5	30	1,000	2.0
TH00005S	38 58 8	117 14 18	5.0	3.00	5.0	.50	700	N	200	1,000	1.5
TH00006S	38 57 21	117 14 28	5.0	1.50	2.0	.50	1,000	<.5	200	1,500	2.0
TH00007S	38 53 38	117 15 13	1.5	.30	1.0	.20	700	N	70	1,000	3.0
TH00008S	38 57 48	117 14 28	7.0	2.00	2.0	.50	1,000	.5	150	700	1.5

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TFS36C01	5	20	7	50	N	N	<5	70	5	700	50
TFS36C03	7	15	<5	30	N	N	10	10	5	500	50
TFS36C06	5	15	7	70	N	N	15	20	5	500	50
TFS36C07	15	50	10	50	N	N	10	15	10	500	150
TFS36C10	10	30	7	150	N	N	10	20	7	500	70
TFS36D01	10	30	10	200	N	N	10	30	10	700	150
TFS36D02	10	50	7	50	N	<20	10	10	10	500	100
TFS36D04	15	70	15	70	7	20	15	15	15	500	150
TFS36D05	20	70	7	70	N	<20	10	20	10	700	200
TFS36D06	10	50	7	100	N	N	15	20	10	700	100
TFS36D08	7	20	10	150	N	N	10	30	10	500	150
TFS37A01	7	10	5	150	N	N	15	20	5	500	70
TFS37A05	10	50	15	100	N	<20	30	20	10	300	150
TFS37A07	5	10	<5	70	N	N	5	20	5	500	30
TFS37B01	10	30	10	50	N	N	30	200	10	300	70
TFS37B02	7	20	7	50	N	N	15	20	7	500	70
TFS37C01	10	20	5	100	N	20	15	20	10	300	70
TFS37C03	10	20	5	100	N	<20	15	15	10	300	100
TFS37C04	5	15	5	70	N	N	10	20	10	300	70
TFS37D01	10	15	5	500	N	N	10	20	10	500	100
TFS37D03	7	15	10	50	N	N	10	30	7	300	70
TFS37D05	7	20	5	100	N	N	7	15	7	500	100
TFS37D07	10	20	5	50	N	<20	7	20	10	300	100
TFS46C01	5	10	5	70	N	N	10	15	7	300	50
TFS46C03	10	15	7	100	N	<20	15	20	10	500	100
TFS46C05	7	10	<5	300	N	<20	15	30	10	300	150
TFS47A02	7	30	7	50	N	<20	20	50	10	300	100
TFS47A04	10	15	<5	100	N	N	5	20	10	500	100
TFS47A05	7	10	5	70	N	N	7	20	10	500	100
TFS47A08	5	10	5	70	N	N	10	30	10	500	70
TFS47A10	<5	<10	5	50	N	N	5	20	5	500	50
TFS47D01	7	10	5	300	N	N	15	15	10	500	70
TFS47D03	7	15	10	50	N	N	15	20	7	300	100
TFS47D04	7	10	5	150	N	N	15	20	10	500	100
TFS47D07	7	20	5	70	N	30	10	20	10	300	70
TFS47D08	7	10	5	70	N	N	7	20	7	500	70
TFS47D09	7	15	15	70	N	N	15	30	10	300	50
TH00001S	30	70	50	200	N	30	20	30	15	700	300
TH00002S	20	20	50	100	N	N	7	50	15	1,000	200
TH00003S	30	30	70	70	N	N	20	30	15	700	200
TH00004S	20	50	100	50	N	N	15	50	15	700	200
TH00005S	30	200	50	70	7	N	50	30	10	300	200
TH00006S	30	100	50	30	N	N	50	70	15	300	150
TH00007S	5	15	10	150	N	<20	7	30	7	200	50
TH00008S	30	100	50	70	N	N	50	50	15	500	100

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TFS36C01	N	20	N	100	10	20	N	1	5
TFS36C03	N	10	N	150	N	25	.1	N	N
TFS36C06	N	10	N	100	N	35	.4	N	N
TFS36C07	N	10	N	150	N	65	.3	N	N
TFS36C10	N	15	N	200	N	50	.1	N	N
TFS36D01	N	20	N	700	10	35	N	N	N
TFS36D02	N	20	N	1,000	N	35	N	N	2
TFS36D04	N	50	N	700	N	40	N	N	<2
TFS36D05	N	30	N	300	<10	55	N	N	2
TFS36D06	N	20	N	500	<10	30	N	N	2
TFS36D08	N	30	N	500	10	50	N	N	2
TFS37A01	N	10	N	150	N	35	.1	N	N
TFS37A05	N	20	N	200	<10	65	N	N	N
TFS37A07	N	10	N	50	N	30	N	N	N
TFS37B01	N	20	N	150	80	100	N	N	1
TFS37B02	N	20	N	150	15	45	.2	N	N
TFS37C01	N	30	N	150	10	60	N	N	N
TFS37C03	N	15	N	500	10	55	N	N	N
TFS37C04	N	20	N	500	20	50	N	N	N
TFS37D01	N	20	N	200	N	65	N	N	N
TFS37D03	N	15	N	300	<5	50	.2	N	<2
TFS37D05	N	20	N	300	10	60	N	N	N
TFS37D07	N	30	N	200	<5	35	N	N	N
TFS46C01	N	15	N	150	<10	40	.2	N	2
TFS46C03	N	20	N	200	<10	40	N	N	2
TFS46C05	N	30	N	700	N	75	N	N	N
TFS47A02	N	20	N	300	<10	50	.2	N	N
TFS47A04	N	30	N	500	10	40	N	N	N
TFS47A05	N	20	N	200	20	50	.3	N	N
TFS47A08	N	20	N	150	40	55	.6	N	N
TFS47A10	N	15	N	200	N	20	.5	N	N
TFS47D01	N	30	N	300	10	60	N	N	N
TFS47D03	N	15	N	300	<10	45	N	N	N
TFS47D04	N	20	N	700	100	90	.1	N	10
TFS47D07	N	30	N	500	N	30	.1	N	N
TFS47D08	N	20	N	200	10	35	.2	N	N
TFS47D09	N	70	N	200	10	55	.4	N	N
TH00001S	N	70	N	1,000	35	50	.2	N	1
TH00002S	N	30	N	500	10	50	.2	N	2
TH00003S	N	30	200	300	20	130	.3	N	5
TH00004S	N	20	200	150	<5	100	.4	N	2
TH00005S	N	30	N	300	N	62	.1	N	N
TH00006S	N	30	N	150	15	95	.3	N	1
TH00007S	N	20	N	150	25	70	.2	N	--
TH00008S	N	30	N	300	40	85	.7	N	<1

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TH00009S	38 55 33	117 14 44	3.0	1.00	1.5	.50	700	N	100	2,000	2.0
TH00010S	38 53 18	117 14 32	3.0	.70	1.0	.30	700	N	30	1,000	2.0
TH00011S	38 54 34	117 15 4	5.0	1.50	20.0	.70	1,000	N	50	1,000	2.0
TH00012S	38 55 53	117 16 58	7.0	1.50	1.0	.50	700	N	150	5,000	2.0
TH00013S	38 56 41	117 17 3	15.0	1.00	1.0	.50	700	.5	100	1,500	1.0
TH00014S	38 57 17	117 15 23	7.0	2.00	2.0	.70	700	.5	200	5,000	2.0
TH00015S	38 57 12	117 15 21	7.0	1.50	1.5	.70	1,000	N	150	1,500	2.0
TH00016S	38 58 36	117 15 41	5.0	1.00	1.5	.50	500	<.5	200	5,000	2.0
TH00017S	38 59 56	117 17 38	7.0	2.00	1.0	.70	1,000	N	150	1,000	2.0
TH00018S	38 59 26	117 19 42	5.0	1.50	1.0	.70	700	N	100	1,500	1.5
TH00019S	38 59 32	117 21 9	7.0	1.00	.5	1.00	700	<.5	100	1,500	2.0
TH00020S	38 59 4	117 22 17	5.0	.70	1.0	.50	1,000	N	70	1,000	2.0
TH00021S	38 57 48	117 20 16	5.0	1.00	.7	.70	700	N	200	2,000	2.0
TH00022S	38 56 20	117 20 23	3.0	.50	.7	.50	300	N	70	1,000	1.5
TH00023S	38 55 38	117 21 40	2.0	.30	1.0	.30	500	N	30	1,000	2.0
TH00024S	38 55 34	117 21 43	7.0	.20	.7	1.00	1,500	N	30	1,000	1.5
TH00025S	38 55 32	117 21 52	5.0	.20	1.0	1.00	2,000	N	20	1,000	2.0
TH00026S	38 53 42	117 18 29	2.0	.30	.7	.50	1,000	N	50	1,000	3.0
TH00027S	38 53 11	117 18 42	2.0	.10	1.5	.70	700	N	15	1,000	1.5
TH00028S	38 53 6	117 18 37	3.0	.20	.7	.50	700	N	30	1,000	2.0
TH00029S	38 54 2	117 19 4	2.0	.50	.5	.30	1,000	N	70	1,000	5.0
TH00030S	38 53 46	117 22 26	2.0	.30	1.0	.70	700	N	20	1,000	2.0
TH00031S	38 53 48	117 22 25	3.0	.20	1.0	.70	1,000	N	20	1,500	2.0
TH00032S	38 55 23	117 23 6	3.0	.20	.7	1.00	700	N	30	1,000	1.5
TH00033S	38 55 54	117 24 9	5.0	.20	1.0	>1.00	1,500	N	20	1,500	1.5
TH00034S	38 58 32	117 22 41	3.0	1.00	1.0	.50	700	N	100	1,500	2.0
TH00035S	38 58 10	117 22 52	3.0	.50	1.0	.50	1,000	N	70	1,000	2.0
TH00036S	38 56 54	117 23 12	2.0	.50	1.0	.50	700	N	50	1,500	3.0
TH00037S	38 56 47	117 23 14	3.0	.70	1.0	.30	1,000	N	70	700	2.0
TH00038S	38 56 55	117 24 5	3.0	.15	.7	1.00	1,000	N	15	1,000	1.5
TH00039S	38 55 28	117 24 34	3.0	1.00	1.5	.50	1,000	N	50	1,000	2.0
TH00040S	38 54 58	117 25 4	7.0	.70	1.5	>1.00	2,000	N	20	1,000	1.5
TH00041S	38 54 21	117 25 51	5.0	.70	1.5	1.00	1,500	N	50	1,000	2.0
TH00042S	38 52 56	117 26 1	5.0	.50	1.5	1.00	1,000	N	20	1,500	1.5
TH00043S	38 55 14	117 27 18	7.0	.70	2.0	1.00	1,500	N	30	1,000	1.5
TH00044S	38 55 10	117 27 23	5.0	.70	1.5	.50	700	N	50	1,000	1.5
TH00045S	38 54 12	117 28 28	5.0	.50	2.0	.50	700	N	50	2,000	2.0
TH00046S	38 54 7	117 28 29	5.0	.70	2.0	.50	1,000	N	50	1,500	2.0
TH00047S	38 53 26	117 29 36	3.0	.70	1.5	.50	700	N	50	700	2.0
TH00048S	38 52 34	117 28 45	5.0	.50	1.5	.30	700	N	30	1,000	2.0
TH00049S	38 52 48	117 29 47	15.0	1.00	1.5	>1.00	2,000	N	20	1,000	1.5
TH00050S	38 52 52	117 29 49	3.0	.70	1.5	.50	1,000	N	70	1,000	3.0
TH00051S	38 54 41	117 29 40	20.0	.70	1.5	1.00	2,000	N	30	1,000	1.5
TH00052S	38 56 23	117 14 36	7.0	1.00	2.0	.70	1,000	20.0	100	1,500	2.0
TH00053S	38 55 26	117 30 22	5.0	.70	1.5	.50	1,000	N	70	1,000	3.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TH00009S	15	100	30	30	N	N	50	15	10	300	150
TH00010S	10	50	10	50	N	N	15	30	10	200	100
TH00011S	15	150	30	150	N	N	70	30	10	300	150
TH00012S	20	200	70	50	N	N	50	70	10	200	300
TH00013S	20	150	50	100	N	N	30	50	15	200	300
TH00014S	30	200	70	70	5	<20	100	100	15	200	300
TH00015S	30	150	50	50	N	N	100	30	15	200	200
TH00016S	30	1,500	70	70	10	N	100	30	10	200	300
TH00017S	30	500	100	30	N	N	70	10	15	200	200
TH00018S	20	100	50	30	N	N	70	10	15	200	200
TH00019S	20	100	30	100	7	30	30	20	15	200	150
TH00020S	15	50	20	50	N	20	10	50	10	300	100
TH00021S	20	150	50	70	N	N	50	20	10	150	200
TH00022S	10	20	5	70	N	N	7	10	5	200	150
TH00023S	5	15	5	70	N	N	<5	50	5	200	50
TH00024S	10	10	5	200	7	50	<5	50	10	200	100
TH00025S	7	10	<5	1,000	N	30	<5	30	15	200	70
TH00026S	7	15	10	150	N	20	5	30	7	150	50
TH00027S	5	<10	N	500	N	20	<5	30	7	200	30
TH00028S	5	10	5	200	N	20	5	30	5	200	50
TH00029S	10	30	10	150	N	<20	10	30	7	150	70
TH00030S	<5	10	5	200	N	<20	5	50	7	300	30
TH00031S	7	10	5	200	N	<20	<5	30	7	200	50
TH00032S	7	10	N	500	N	30	<5	20	10	200	70
TH00033S	7	15	N	500	N	50	N	30	10	200	70
TH00034S	15	100	50	50	N	N	30	30	10	300	150
TH00035S	15	20	15	50	N	N	10	20	7	300	70
TH00036S	7	15	5	100	N	20	5	30	5	200	50
TH00037S	15	30	20	150	N	<20	10	50	10	300	100
TH00038S	5	10	N	700	N	50	N	30	15	150	50
TH00039S	15	30	50	150	N	<20	15	70	10	500	100
TH00040S	15	20	<5	1,000	N	30	<5	50	15	300	100
TH00041S	10	20	15	200	N	20	7	50	10	500	150
TH00042S	10	20	5	150	7	20	<5	30	10	300	150
TH00043S	15	20	10	150	N	20	10	30	10	500	150
TH00044S	15	20	7	100	N	N	5	30	10	500	150
TH00045S	10	30	7	100	N	N	5	30	7	500	100
TH00046S	20	50	20	70	N	<20	10	30	7	500	150
TH00047S	10	30	15	30	N	N	7	20	7	500	100
TH00048S	15	20	10	100	N	N	7	30	7	500	100
TH00049S	50	70	20	200	N	20	20	30	10	500	500
TH00050S	10	30	20	150	N	N	10	50	7	500	150
TH00051S	30	70	50	50	N	30	15	50	15	500	500
TH00052S	20	100	70	100	N	N	50	150	10	200	200
TH00053S	15	30	20	100	N	<20	15	50	10	500	150

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TH00009S	N	20	N	200	50	90	.4	N	4
TH00010S	N	20	N	500	N	60	.1	N	N
TH00011S	N	50	N	200	20	80	.4	N	1
TH00012S	N	20	N	200	15	65	.3	N	1
TH00013S	N	20	N	300	10	75	.3	N	N
TH00014S	N	30	200	200	15	60	.4	N	3
TH00015S	N	30	<200	200	60	110	.7	N	5
TH00016S	N	20	200	150	15	75	.4	N	<1
TH00017S	N	20	N	150	5	50	.2	N	3
TH00018S	N	20	N	150	20	60	.2	N	3
TH00019S	N	30	<200	500	15	90	.1	N	--
TH00020S	N	20	N	200	75	140	.7	N	5
TH00021S	N	15	N	150	30	60	.2	N	2
TH00022S	N	10	N	500	20	45	.2	N	5
TH00023S	N	15	N	500	10	90	.5	N	4
TH00024S	N	20	200	1,000	N	45	.2	N	2
TH00025S	N	50	<200	1,000	15	70	.2	2	N
TH00026S	N	20	N	300	20	80	.2	N	1
TH00027S	N	15	N	500	5	90	.2	N	1
TH00028S	N	20	N	500	35	80	.6	N	1
TH00029S	N	30	N	500	15	200	.3	N	2
TH00030S	N	15	N	300	5	100	.2	N	1
TH00031S	N	15	N	500	35	170	.3	N	5
TH00032S	N	20	N	>1,000	5	50	.4	N	2
TH00033S	N	30	N	>1,000	10	120	.3	N	3
TH00034S	N	20	N	500	30	65	.2	N	6
TH00035S	N	20	N	200	<5	50	.3	N	9
TH00036S	N	20	N	700	10	140	.2	N	2
TH00037S	N	20	N	300	N	90	.3	N	1
TH00038S	N	30	N	>1,000	70	100	.6	N	6
TH00039S	N	30	N	150	15	60	.2	N	3
TH00040S	N	30	N	1,000	15	180	.2	N	5
TH00041S	N	20	200	300	5	110	.1	N	--
TH00042S	N	30	N	1,000	10	130	.2	N	3
TH00043S	N	20	N	300	<5	100	.3	N	--
TH00044S	N	20	N	200	<5	55	.1	N	N
TH00045S	N	20	N	500	10	70	.4	N	N
TH00046S	N	20	N	300	15	100	1.6	N	3
TH00047S	N	15	N	300	N	65	.2	N	N
TH00048S	N	15	N	500	5	50	.1	N	3
TH00049S	N	20	300	1,000	10	50	.2	N	2
TH00050S	N	20	N	300	50	60	.4	N	9
TH00051S	N	20	500	1,000	N	85	.2	N	N
TH00052S	N	30	300	500	25	100	.3	N	2
TH00053S	N	20	N	300	15	70	.3	N	3

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TH00054S	38 56 32	117 31 37	3.0	.50	1.0	.30	1,000	N	30	1,000	2.0
TH00055S	38 56 41	117 31 38	5.0	.70	1.5	.50	1,000	N	50	1,000	3.0
TH00056S	38 55 48	117 30 32	2.0	1.00	1.5	.50	1,000	N	30	1,000	2.0
TH00057S	38 57 6	117 30 41	10.0	1.00	1.5	>1.00	1,500	N	20	700	1.5
TH00058S	38 57 34	117 31 38	5.0	.70	1.5	.50	1,000	N	20	1,000	2.0
TH00059S	38 57 22	117 31 44	7.0	1.50	3.0	1.00	1,500	N	70	1,500	2.0
TH00060S	38 57 58	117 30 30	20.0	1.00	1.5	>1.00	3,000	N	20	1,000	1.0
TH00061S	38 58 36	117 30 48	5.0	.50	1.0	.70	1,000	N	30	1,000	2.0
TH00062S	38 59 13	117 30 42	2.0	.30	1.0	.50	700	N	20	700	2.0
TH00063S	38 59 48	117 30 37	5.0	.30	1.0	1.00	1,000	N	30	1,000	2.0
TH00064S	38 59 58	117 37 8	2.0	.50	1.0	.30	700	N	50	1,000	3.0
TH00065S	38 59 26	117 37 1	5.0	.70	3.0	.70	1,000	.5	50	1,500	2.0
TH00066S	38 59 6	117 36 56	3.0	.70	1.5	.30	700	N	50	1,000	2.0
TH00067S	38 58 6	117 37 12	5.0	.70	2.0	.50	1,500	N	70	1,000	3.0
TH00068S	38 57 48	117 36 29	3.0	.70	1.5	.50	1,000	N	50	1,000	3.0
TH00069S	38 58 42	117 34 2	5.0	.70	1.5	.70	1,000	N	70	1,000	3.0
TH00070S	38 59 13	117 34 32	3.0	.50	1.5	.30	700	N	70	700	3.0
TH00071S	38 58 36	117 33 26	3.0	.70	1.0	.30	1,000	N	70	700	3.0
TH00072S	38 58 38	117 33 10	5.0	.70	1.0	.70	700	.5	50	1,000	2.0
TH00073S	38 58 35	117 32 56	2.0	.50	1.5	.30	700	N	30	1,000	2.0
TH00074S	38 57 47	117 34 29	3.0	.70	1.5	.50	1,000	N	70	1,000	3.0
TH00075S	38 57 11	117 34 38	15.0	.70	1.5	>1.00	2,000	N	50	1,000	1.5
TH00076S	38 56 40	117 34 56	7.0	1.50	3.0	.50	1,000	1.0	70	1,000	2.0
TH00077S	38 55 48	117 34 46	7.0	1.00	1.5	.50	1,000	N	100	1,000	3.0
TH00078S	38 54 56	117 35 22	5.0	.70	1.0	.30	1,000	2.0	70	1,500	5.0
TH00079S	38 54 6	117 35 36	7.0	1.50	2.0	.50	1,500	.5	200	1,000	3.0
TH00080S	38 53 6	117 36 13	5.0	1.00	1.5	.50	1,000	N	150	1,000	2.0
TH00081S	38 37 12	117 13 17	5.0	.70	1.5	.50	1,500	N	50	1,500	5.0
TH00082S	38 34 55	117 13 53	2.0	.70	2.0	.30	1,000	N	30	1,500	3.0
TH00083S	38 20 34	117 14 26	3.0	.70	1.5	.30	700	.5	50	1,000	2.0
TH00084S	38 20 28	117 14 18	5.0	1.00	2.0	.30	1,000	N	70	1,500	3.0
TH00085S	38 22 41	117 13 34	7.0	1.00	2.0	.50	1,000	N	70	1,500	3.0
TH00086S	38 35 14	117 4 54	3.0	.70	1.0	.50	700	N	30	700	3.0
TH00087S	38 35 11	117 5 2	2.0	.50	1.0	.20	700	N	50	700	3.0
TH00088S	38 36 26	117 5 48	2.0	.70	1.0	.20	700	N	30	1,000	3.0
TH00089S	38 43 12	116 58 52	3.0	.50	1.5	.50	>5,000	100.0	50	1,000	3.0
TH00090S	38 43 16	116 58 56	2.0	.70	2.0	.30	700	N	30	1,500	3.0
TH00091S	38 43 42	116 59 32	7.0	.70	3.0	.30	700	N	30	2,000	1.5
TH00092S	38 43 44	116 59 36	7.0	.50	2.0	.70	500	N	70	2,000	5.0
TH00093S	38 41 44	117 1 38	1.5	.20	1.0	.30	200	N	30	1,500	3.0
TH00094S	38 41 42	117 1 46	7.0	.50	1.5	.50	500	N	30	1,500	5.0
TH00095S	38 5 42	117 9 46	7.0	1.00	2.0	.70	1,500	N	50	1,500	2.0
TH00096S	38 3 8	117 9 36	2.0	1.00	1.5	.30	1,000	<.5	70	700	3.0
TH00097S	38 1 50	117 10 14	2.0	.70	2.0	.30	700	N	50	1,000	3.0
TH00098S	38 0 28	117 10 4	3.0	.70	1.5	.30	700	N	70	1,000	3.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TH00054S	10	15	10	20	N	<20	7	50	7	300	70
TH00055S	15	30	20	70	N	N	10	50	7	300	150
TH00056S	15	20	15	50	N	N	10	30	10	300	100
TH00057S	30	70	30	70	N	20	20	20	15	500	500
TH00058S	15	50	15	50	N	N	10	50	7	500	150
TH00059S	20	70	30	150	N	N	20	50	15	700	200
TH00060S	50	100	50	150	N	20	30	30	15	500	500
TH00061S	15	30	15	1,000	N	N	7	70	10	300	70
TH00062S	7	10	7	300	N	N	5	20	5	300	50
TH00063S	10	20	<5	200	N	30	<5	20	10	300	100
TH00064S	10	20	7	30	N	<20	5	30	5	300	70
TH00065S	20	70	15	70	N	N	10	30	7	700	150
TH00066S	10	20	10	30	N	N	10	20	5	500	70
TH00067S	20	50	15	100	N	N	15	30	7	500	150
TH00068S	15	50	15	70	N	N	10	30	7	700	100
TH00069S	15	50	20	150	5	<20	15	50	10	500	100
TH00070S	10	20	15	100	N	<20	7	70	7	300	70
TH00071S	10	30	20	70	N	N	10	50	7	300	70
TH00072S	10	30	15	50	N	20	10	30	7	500	100
TH00073S	10	20	15	70	N	N	7	20	7	300	50
TH00074S	10	50	20	70	N	<20	10	50	7	500	100
TH00075S	30	70	30	500	N	30	15	30	15	300	500
TH00076S	30	70	70	50	N	N	30	50	10	700	200
TH00077S	20	50	70	70	N	N	20	50	10	300	200
TH00078S	15	20	30	70	N	N	10	200	7	300	100
TH00079S	20	50	70	50	N	<20	30	150	15	500	150
TH00080S	20	50	50	50	N	N	20	20	10	300	200
TH00081S	10	30	15	50	N	<20	10	70	10	1,000	150
TH00082S	10	15	10	50	N	N	5	20	7	700	70
TH00083S	15	50	20	50	5	N	30	30	10	700	100
TH00084S	20	30	20	50	N	N	15	50	10	700	100
TH00085S	20	50	30	70	N	N	20	30	10	700	150
TH00086S	10	20	10	50	N	20	7	30	10	300	100
TH00087S	7	15	10	50	N	<20	10	30	7	300	70
TH00088S	7	15	7	50	N	N	7	30	7	300	50
TH00089S	10	15	100	500	5	<20	7	100	7	500	100
TH00090S	10	10	5	50	N	N	<5	30	5	700	50
TH00091S	10	10	<5	70	N	N	<5	30	10	700	150
TH00092S	10	15	15	500	N	20	5	50	5	700	100
TH00093S	5	<10	5	300	N	N	5	30	<5	700	30
TH00094S	7	30	15	1,000	N	N	5	50	5	1,000	100
TH00095S	20	70	20	100	N	N	20	30	7	700	300
TH00096S	10	20	15	50	N	N	15	30	7	500	70
TH00097S	10	15	10	70	N	N	10	30	5	500	70
TH00098S	10	20	10	300	N	N	10	50	5	500	70

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TH00054S	N	15	N	150	15	75	.2	N	--
TH00055S	N	20	N	200	15	65	.2	N	3
TH00056S	N	15	N	150	5	55	.2	N	--
TH00057S	N	20	200	500	15	110	.2	N	--
TH00058S	N	20	N	200	50	180	1.3	N	21
TH00059S	N	20	N	700	20	50	.3	N	3
TH00060S	N	20	500	700	20	160	.2	N	3
TH00061S	N	30	N	1,000	75	140	.8	N	5
TH00062S	N	15	N	300	15	70	.3	N	4
TH00063S	N	20	N	1,000	10	80	.1	N	2
TH00064S	N	20	N	300	15	65	.2	N	1
TH00065S	N	20	N	300	15	65	.1	N	1
TH00066S	N	10	N	150	20	60	.3	N	5
TH00067S	N	20	N	150	30	70	.2	N	2
TH00068S	N	20	N	200	5	85	.1	<2	<1
TH00069S	N	20	N	300	10	60	.4	N	4
TH00070S	N	20	N	300	5	95	.4	N	2
TH00071S	N	30	N	200	25	95	.5	2	2
TH00072S	N	30	N	500	35	60	.2	N	3
TH00073S	N	15	N	200	20	80	.5	N	2
TH00074S	N	30	N	300	15	50	.4	N	3
TH00075S	N	30	200	1,000	N	90	.2	N	N
TH00076S	N	20	N	100	10	70	.2	N	2
TH00077S	N	20	N	150	10	50	.4	N	5
TH00078S	N	30	N	500	15	55	.1	N	N
TH00079S	N	20	N	200	N	110	.2	N	N
TH00080S	N	20	N	100	70	60	.2	N	6
TH00081S	N	20	<200	300	N	120	.4	N	1
TH00082S	N	20	N	200	15	65	.3	N	3
TH00083S	N	20	N	100	<5	50	.3	N	N
TH00084S	N	20	N	200	N	130	.3	N	N
TH00085S	N	30	N	300	N	75	.3	N	2
TH00086S	N	20	N	500	5	70	.3	N	2
TH00087S	N	20	N	200	N	55	.2	N	N
TH00088S	N	15	N	150	15	65	.2	N	N
TH00089S	N	20	<200	300	95	130	.7	N	--
TH00090S	N	10	N	500	25	40	.1	N	1
TH00091S	N	15	N	500	<5	60	.1	N	N
TH00092S	N	30	N	500	<5	110	.2	N	1
TH00093S	N	10	N	150	15	60	.2	N	4
TH00094S	<50	50	N	700	20	95	.2	N	2
TH00095S	N	20	N	200	50	100	.7	N	3
TH00096S	N	15	N	200	15	50	.3	N	4
TH00097S	N	15	N	100	15	50	.2	N	3
TH00098S	N	15	N	200	10	180	.4	N	3

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TH00099S	38 0 38	117 14 16	3.0	.70	1.5	.30	1,000	N	70	1,000	3.0
TH00100S	38 35 52	117 25 56	7.0	1.00	1.5	.50	1,500	N	50	1,000	3.0
TH00101S	38 35 52	117 26 7	15.0	.70	1.5	1.00	2,000	N	30	1,000	2.0
TH00102S	38 35 32	117 23 36	10.0	1.00	2.0	.70	1,500	N	50	1,000	2.0
TH00103S	38 35 34	117 23 45	7.0	.70	1.5	.50	1,000	N	30	1,500	1.5
TH00104S	38 34 54	117 23 59	10.0	.70	1.5	.50	1,000	N	70	1,000	2.0
TNS00817	38 20 40	117 14 20	3.0	.70	1.0	.20	1,000	N	50	1,000	5.0
TNS00829	39 0 6	116 56 0	2.0	.50	1.0	.15	700	N	100	1,000	7.0
TNS00830	38 59 22	116 52 58	2.0	.70	1.0	.20	700	.7	100	1,500	7.0
TNS00838	38 56 28	116 51 24	2.0	3.00	5.0	.30	700	2.0	100	1,500	5.0
TNS00866	38 20 25	117 15 38	3.0	1.00	1.5	.50	1,000	N	50	1,500	7.0
TNS00891	38 41 58	117 16 22	3.0	.70	1.0	.30	1,000	N	150	1,000	5.0
TNS00892	38 40 54	117 13 28	5.0	1.00	3.0	.50	1,000	1.0	150	2,000	7.0
TNS00893	38 51 54	116 51 22	2.0	.20	2.0	.50	2,000	20.0	50	1,500	7.0
TNS00894	38 51 50	116 51 28	2.0	.50	1.0	.30	1,500	N	150	1,000	7.0
TNS00909	38 30 12	117 26 18	3.0	1.00	1.5	.50	1,000	N	100	1,000	5.0
TNS00914	38 28 26	117 24 26	3.0	1.00	2.0	.50	1,000	N	100	1,500	5.0
TNS01202	38 49 18	116 30 57	2.0	1.00	2.0	.30	500	2.0	70	1,500	5.0
TNS01216	38 2 33	116 53 20	1.5	.50	1.0	.20	1,000	N	30	1,000	5.0
TNS01217	38 2 24	116 54 37	3.0	.70	1.5	.30	1,000	N	70	1,000	7.0
TNS01224	38 8 38	116 54 13	2.0	.70	1.0	.30	1,000	.5	70	1,000	5.0
TNS01226	38 5 34	116 52 32	1.5	.50	1.0	.20	700	N	70	1,000	7.0
TNS01227	38 7 50	116 48 32	3.0	.50	1.5	.30	1,000	<.5	150	1,500	7.0
TNS01228	38 11 48	116 48 52	1.5	.20	1.0	.20	700	N	70	700	5.0
TNS01229	38 16 26	116 53 30	3.0	.30	1.0	.50	1,000	N	50	1,000	5.0
TNS01286	38 5 13	116 43 18	2.0	.70	1.5	.50	1,000	.5	70	1,500	5.0
TNS01294	38 2 44	116 44 18	2.0	.70	3.0	.30	1,000	N	50	1,500	5.0
TZS00012	38 23 15	117 53 13	5.0	2.00	7.0	.15	200	.7	20	200	2.0
TZS00020	38 11 40	117 43 9	3.0	1.00	1.5	.30	500	N	20	500	1.5
TZS00022	38 11 31	117 41 12	1.5	.70	.7	.15	500	N	30	300	1.5
TZS00023	38 11 34	117 40 42	2.0	1.00	1.0	.30	500	N	20	500	2.0
TZS00024	38 12 6	117 40 19	5.0	1.00	1.5	.30	1,000	N	30	500	1.5
TZS00025	38 12 9	117 39 51	3.0	1.00	1.0	.20	500	N	30	500	2.0
TZS00026	38 12 25	117 37 48	3.0	1.00	1.0	.20	700	N	20	500	1.5
TZS00027	38 9 41	117 42 39	5.0	1.50	2.0	.50	1,500	N	70	1,500	3.0
TZS00028	38 9 9	117 42 41	2.0	.70	.7	.20	700	N	50	500	2.0
TZS00029	38 8 49	117 42 41	3.0	.70	1.0	.30	700	<.5	70	2,000	3.0
TZS00030	38 8 40	117 42 48	10.0	1.50	3.0	.70	1,500	N	50	3,000	2.0
TZS00031	38 8 34	117 43 6	5.0	1.50	5.0	.50	1,000	N	50	1,000	2.0
TZS00032	38 7 59	117 42 31	2.0	1.00	1.5	.20	700	N	30	300	2.0
TZS00033	38 6 57	117 42 42	5.0	1.00	1.0	.30	700	N	30	700	1.5
TZS00034	38 6 32	117 42 44	2.0	.70	1.0	.20	700	N	30	700	1.5
TZS00037	38 23 31	117 53 0	2.0	1.50	15.0	.15	700	N	70	300	1.5
TZS00040	38 23 21	117 53 5	3.0	3.00	15.0	.20	1,000	.5	100	700	1.5
TZS00044	38 23 8	117 53 0	3.0	1.50	10.0	.20	1,500	2.0	70	700	2.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
THO0099S	10	20	15	50	5	<20	10	50	7	300	70
THO0100S	20	50	20	70	N	N	15	30	10	500	200
THO0101S	30	100	20	150	N	<20	15	50	10	500	500
THO0102S	20	50	15	70	N	<20	15	50	10	500	300
THO0103S	15	20	7	70	N	N	5	30	10	500	200
THO0104S	20	50	15	150	N	N	15	50	10	500	200
TNS00817	10	50	15	70	N	N	30	30	10	700	70
TNS00829	7	30	30	70	5	<20	30	30	10	300	150
TNS00830	10	50	30	50	10	20	50	30	10	300	200
TNS00838	10	100	50	70	15	N	70	50	10	300	300
TNS00866	15	50	20	100	<5	N	15	20	10	700	150
TNS00891	15	200	30	70	N	N	70	30	15	300	100
TNS00892	20	100	50	70	7	<20	70	50	20	300	200
TNS00893	20	20	20	500	5	N	50	50	7	500	100
TNS00894	10	30	30	50	10	N	50	30	10	300	150
TNS00909	15	70	15	70	N	N	30	30	10	300	100
TNS00914	15	50	20	70	N	N	20	70	10	500	100
TNS01202	7	20	7	100	N	N	20	20	7	300	100
TNS01216	7	15	15	50	N	N	15	20	5	500	100
TNS01217	10	30	10	70	N	N	30	30	7	500	150
TNS01224	10	30	15	70	N	N	50	50	7	500	70
TNS01226	7	10	10	70	N	N	20	30	7	500	50
TNS01227	10	15	15	100	N	N	30	30	7	700	100
TNS01228	5	10	7	70	N	N	7	50	5	500	30
TNS01229	20	20	10	70	N	N	20	30	7	500	100
TNS01286	10	30	10	100	N	N	30	50	10	500	100
TNS01294	10	15	10	50	N	N	30	30	7	700	70
TZS00012	15	50	100	20	200	N	15	50	5	300	100
TZS00020	15	70	20	30	5	N	20	15	7	300	100
TZS00022	15	50	10	20	N	N	15	20	5	300	50
TZS00023	15	70	15	30	N	N	20	20	5	300	70
TZS00024	20	100	30	70	N	N	30	20	7	300	200
TZS00025	20	100	20	30	N	N	20	15	10	300	70
TZS00026	15	70	20	20	N	N	20	15	7	300	100
TZS00027	15	150	50	50	N	N	30	70	10	500	200
TZS00028	10	30	15	50	N	N	15	30	7	300	70
TZS00029	10	30	15	50	5	20	15	100	10	300	70
TZS00030	50	200	70	50	7	<20	70	50	20	700	500
TZS00031	20	100	50	50	N	N	30	50	15	1,000	150
TZS00032	15	30	20	30	N	N	15	15	5	500	70
TZS00033	30	200	20	50	N	N	50	10	10	300	200
TZS00034	15	30	15	30	N	N	20	20	7	300	70
TZS00037	10	150	30	30	N	N	30	50	7	1,000	70
TZS00040	10	50	50	50	N	N	20	100	5	1,000	70
TZS00044	10	50	100	50	15	N	15	100	7	1,000	70

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TH00099S	N	20	N	200	15	55	.1	N	N
TH00100S	N	30	N	300	10	140	.3	N	N
TH00101S	N	30	500	700	20	75	.4	N	5
TH00102S	N	30	<200	500	N	65	.2	N	1
TH00103S	N	20	N	500	10	80	.3	N	2
TH00104S	N	20	N	200	N	90	.2	N	1
TNS00817	N	15	N	100	10	35	.6	N	N
TNS00829	N	20	N	200	50	70	.6	N	4
TNS00830	N	30	N	300	40	150	1.3	N	2
TNS00838	N	30	200	200	60	240	2.9	N	6
TNS00866	N	20	N	150	10	50	.1	N	2
TNS00891	N	20	N	100	40	60	.1	N	4
TNS00892	N	50	N	150	40	140	.7	N	5
TNS00893	N	30	N	200	<10	120	.2	N	N
TNS00894	N	30	N	150	10	110	.4	N	2
TNS00909	N	15	N	150	20	45	N	N	2
TNS00914	N	20	N	100	20	50	N	N	2
TNS01202	N	20	N	100	--	--	--	--	--
TNS01216	N	15	N	100	--	--	--	--	--
TNS01217	N	20	N	300	--	--	--	--	--
TNS01224	N	20	N	150	--	--	--	--	--
TNS01226	N	20	N	100	--	--	--	--	--
TNS01227	N	20	N	150	--	--	--	--	--
TNS01228	N	15	N	100	--	--	--	--	--
TNS01229	N	15	N	150	--	--	--	--	--
TNS01286	N	20	N	200	--	--	--	--	--
TNS01294	N	20	N	100	--	--	--	--	--
TZS00012	700	15	200	50	20	430	2.6	10	2
TZS00020	N	15	N	100	10	65	.2	N	3
TZS00022	N	10	N	70	20	60	.1	N	3
TZS00023	N	10	N	100	5	55	.2	N	2
TZS00024	N	15	N	100	15	60	.1	N	2
TZS00025	N	15	N	300	10	65	.3	N	2
TZS00026	N	10	N	150	20	70	.2	N	4
TZS00027	N	20	200	300	20	80	.1	N	4
TZS00028	N	20	N	100	5	50	.3	N	1
TZS00029	N	30	N	200	40	50	.1	N	3
TZS00030	N	30	<200	500	15	170	.1	N	4
TZS00031	N	20	N	300	5	65	N	1	3
TZS00032	N	10	N	100	15	45	.2	N	2
TZS00033	N	15	N	300	20	100	.1	N	2
TZS00034	N	15	N	150	40	60	N	N	2
TZS00037	N	20	N	70	55	115	.3	N	5
TZS00040	<50	20	300	300	N	500	7.0	2	1
TZS00044	N	20	300	50	25	>2,000	1.3	7	3

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TZS00046	38 22 57	117 52 58	2.0	3.00	20.0	.15	1,000	.5	70	500	1.0
TZS00047	38 22 46	117 52 57	2.0	2.00	5.0	.10	500	N	70	300	1.0
TZS00048	38 22 11	117 53 3	5.0	1.00	1.0	.20	1,500	N	100	1,000	3.0
TZS00049	38 9 28	117 41 18	2.0	.70	.7	.20	300	N	20	300	1.5
TZS00050	38 10 0	117 41 57	5.0	1.00	1.0	.30	700	N	20	300	1.0
TZS00054	38 10 51	117 39 59	3.0	1.00	1.5	.30	700	N	30	500	2.0
TZS00055	38 8 54	117 42 5	3.0	1.00	.7	.30	500	N	20	300	2.0
TZS00056	38 11 44	117 40 2	5.0	1.50	2.0	.30	1,500	<.5	50	1,000	3.0
TZS00058	38 11 42	117 39 57	5.0	1.50	2.0	.30	1,000	N	70	1,000	2.0
TZS00059	38 9 13	117 43 30	3.0	.70	1.0	.30	700	30.0	30	500	2.0
TZS00060	38 9 4	117 43 58	7.0	1.50	1.5	.50	700	N	20	300	1.5
TZS00061	38 8 3	117 44 21	3.0	1.00	1.0	.20	500	N	30	500	1.5
TZS00062	38 5 57	117 43 1	5.0	1.50	2.0	.30	1,500	N	100	1,000	2.0
TZS00063	38 7 51	117 41 5	3.0	1.50	2.0	.30	1,000	N	70	700	3.0
TZS00064	38 7 43	117 41 35	5.0	1.50	3.0	.50	1,000	N	70	1,000	3.0
TZS00065	38 7 0	117 42 1	15.0	1.50	1.5	1.00	2,000	N	30	2,000	2.0
TZS00066	38 6 41	117 42 32	5.0	1.50	2.0	.50	1,000	N	50	1,000	2.0
TZS00067	38 7 57	117 43 6	7.0	1.50	3.0	.50	1,000	<.5	70	1,000	3.0
TZS00068	38 7 28	117 43 3	3.0	1.00	.7	.20	300	N	20	500	1.5
TZS00072	38 7 27	117 43 15	3.0	1.00	1.0	.20	500	N	20	500	1.0
TZS00073	38 7 8	117 43 38	3.0	1.50	1.0	.30	500	N	10	300	<1.0
TZS00074	38 7 14	117 44 25	3.0	1.00	1.0	.30	500	N	15	500	1.0
TZS00075	38 7 4	117 44 49	7.0	2.00	2.0	.50	1,000	N	70	1,000	2.0
TZS00077	38 6 25	117 44 26	3.0	1.00	1.0	.30	500	N	15	300	1.0
TZS00078	38 5 54	117 44 13	3.0	1.00	1.0	.30	500	N	15	500	1.0
TZS00079	38 5 31	117 44 18	5.0	1.50	2.0	.50	1,000	N	150	1,000	3.0
TZS00080	38 5 6	117 44 28	7.0	1.00	2.0	.50	1,500	N	100	1,500	3.0
TZS00081	38 5 12	117 43 48	5.0	1.50	2.0	.30	1,000	N	70	1,000	3.0
TZS00082	38 5 5	117 43 34	10.0	2.00	3.0	.50	1,500	N	30	1,000	1.5
TZS00083	38 5 6	117 44 1	3.0	1.00	1.0	.50	500	N	20	500	1.0
TZS00084	38 6 27	117 43 35	2.0	.70	.7	.20	300	N	20	300	1.0
TZS00085	38 6 19	117 45 37	5.0	1.00	1.0	.30	500	N	15	500	<1.0
TZS00086	38 6 52	117 47 4	3.0	1.00	1.0	.20	1,000	N	70	500	3.0
TZS00087	38 6 33	117 46 4	3.0	1.50	1.5	.30	700	<.5	100	700	3.0
TZS00088	38 7 2	117 46 29	2.0	1.00	.7	.20	300	N	30	500	1.0
TZS00093	38 7 8	117 47 30	3.0	1.00	1.0	.30	1,000	N	70	700	3.0
TZS00095	38 7 29	117 48 17	3.0	1.00	1.5	.30	1,000	<.5	70	700	5.0
TZS00096	38 8 11	117 48 30	5.0	1.50	1.5	.30	1,000	N	70	1,000	2.0
TZS00097	38 8 19	117 48 56	3.0	1.00	.7	.30	300	N	20	300	1.0
TZS00098	38 9 29	117 46 37	5.0	1.50	1.0	.50	1,000	N	30	500	1.0
TZS00099	38 9 1	117 46 55	2.0	1.00	.7	.20	500	N	20	500	1.0
TZS00100	38 8 8	117 47 28	3.0	.70	.5	.30	300	N	30	500	1.0
TZS00101	38 8 7	117 47 25	2.0	1.00	.7	.20	300	N	20	500	1.0
TZS00104	38 9 16	117 47 36	2.0	1.00	1.0	.20	500	N	20	500	1.0
TZS00105	38 9 38	117 47 36	5.0	1.50	2.0	.50	1,500	N	100	1,000	2.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TZS00046	10	70	50	30	N	N	20	70	5	1,500	50
TZS00047	10	50	30	20	N	N	20	50	5	500	50
TZS00048	20	70	50	30	N	N	30	70	10	300	100
TZS00049	15	50	15	30	N	N	20	15	7	300	70
TZS00050	20	100	15	20	N	N	20	20	10	300	200
TZS00054	15	100	15	50	N	N	30	20	15	500	100
TZS00055	15	50	15	20	N	N	20	15	10	300	100
TZS00056	20	70	30	50	N	<20	30	50	15	700	150
TZS00058	20	100	30	50	N	N	30	50	10	700	150
TZS00059	20	50	20	20	N	N	30	15	7	300	100
TZS00060	20	150	50	30	N	N	50	15	10	500	300
TZS00061	15	70	30	50	N	N	30	20	7	500	100
TZS00062	20	70	50	70	N	N	30	50	10	500	150
TZS00063	20	100	20	50	N	<20	50	50	10	500	100
TZS00064	20	70	30	50	N	<20	30	50	15	700	200
TZS00065	50	300	30	300	N	<20	150	50	10	500	500
TZS00066	20	150	20	70	N	N	70	30	10	700	150
TZS00067	20	70	50	50	N	N	30	70	15	700	200
TZS00068	15	70	15	30	N	N	30	20	7	300	70
TZS00072	20	100	30	30	N	N	50	20	7	300	100
TZS00073	20	100	30	30	N	N	50	30	7	500	100
TZS00074	20	100	30	20	N	N	30	30	10	300	100
TZS00075	20	100	50	50	N	<20	50	70	10	1,000	200
TZS00077	20	100	20	30	N	N	50	20	7	300	100
TZS00078	20	100	20	30	N	N	30	20	10	500	100
TZS00079	20	150	70	70	N	<20	30	70	10	500	200
TZS00080	20	100	20	70	N	<20	30	30	15	500	200
TZS00081	15	70	30	50	5	N	30	50	10	700	100
TZS00082	50	150	30	50	N	N	50	20	15	1,000	300
TZS00083	15	100	15	30	5	<20	15	30	10	200	100
TZS00084	10	50	15	30	N	N	15	30	5	300	70
TZS00085	20	200	30	N	N	N	50	10	10	200	100
TZS00086	15	30	20	100	N	<20	20	50	7	300	100
TZS00087	15	100	70	50	N	<20	50	70	10	500	150
TZS00088	15	100	20	50	N	N	20	20	7	300	70
TZS00093	15	50	20	70	N	20	20	70	7	500	100
TZS00095	20	50	20	50	7	<20	20	70	7	500	100
TZS00096	20	70	30	50	N	<20	30	30	15	500	150
TZS00097	20	70	20	30	N	N	30	30	7	300	100
TZS00098	30	100	30	30	N	N	50	20	10	500	200
TZS00099	20	100	20	20	N	N	30	20	7	500	70
TZS00100	20	100	50	20	7	N	50	20	7	300	100
TZS00101	15	50	20	50	N	N	20	30	5	300	70
TZS00104	20	70	20	20	N	N	30	30	5	300	70
TZS00105	20	100	20	50	N	N	30	30	10	500	150

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TZS00046	N	20	N	50	30	50	N	N	2
TZS00047	N	10	N	50	40	60	.2	N	13
TZS00048	N	30	N	100	30	55	N	N	5
TZS00049	N	10	N	200	10	45	N	N	2
TZS00050	N	15	N	100	10	80	.2	N	1
TZS00054	N	15	N	100	10	115	.2	N	5
TZS00055	N	15	N	150	15	75	N	N	2
TZS00056	N	20	N	200	10	60	.1	N	2
TZS00058	N	20	N	200	15	65	.1	N	2
TZS00059	N	10	N	100	25	60	N	N	2
TZS00060	N	15	N	150	5	100	.3	N	1
TZS00061	N	10	N	300	25	75	N	N	4
TZS00062	N	20	N	200	15	65	N	N	N
TZS00063	N	20	N	100	N	50	N	N	1
TZS00064	N	20	N	300	N	60	N	N	2
TZS00065	N	30	N	700	5	25	N	N	4
TZS00066	N	20	N	500	5	65	.1	N	1
TZS00067	N	20	N	150	5	50	N	N	2
TZS00068	N	10	N	100	30	75	.2	N	1
TZS00072	N	10	N	70	45	90	.2	N	3
TZS00073	N	10	N	50	15	75	.2	N	2
TZS00074	N	10	N	100	20	80	.1	N	3
TZS00075	N	20	N	200	N	90	N	N	1
TZS00077	N	10	N	100	65	75	.3	N	9
TZS00078	N	10	N	100	15	70	.2	N	3
TZS00079	N	20	N	300	10	70	N	N	5
TZS00080	N	30	N	500	75	60	N	N	12
TZS00081	N	20	N	150	10	65	N	N	5
TZS00082	N	20	N	200	10	140	N	N	3
TZS00083	N	20	N	700	100	80	.2	N	25
TZS00084	N	10	N	100	50	65	.2	N	2
TZS00085	N	10	N	70	50	80	.1	N	10
TZS00086	N	15	N	150	10	45	N	N	1
TZS00087	N	20	N	150	<5	50	N	N	3
TZS00088	N	10	N	50	20	70	.1	N	5
TZS00093	N	30	N	150	5	55	N	N	1
TZS00095	N	20	N	200	5	70	N	N	2
TZS00096	N	15	N	300	30	60	N	N	9
TZS00097	N	15	N	200	10	70	.2	N	1
TZS00098	N	15	N	100	20	105	.2	N	N
TZS00099	N	10	N	70	20	70	.3	N	6
TZS00100	N	10	N	100	70	70	.4	N	20
TZS00101	N	10	N	100	30	65	.1	N	8
TZS00104	N	15	N	100	70	55	.2	N	17
TZS00105	N	20	N	150	N	55	N	N	2

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TZS00106	38 8 26	117 49 55	5.0	1.50	1.5	.30	700	N	70	1,000	2.0
TZS00108	38 9 16	117 48 41	3.0	1.50	3.0	.30	2,000	N	70	1,000	2.0
TZS00109	38 10 17	117 49 31	3.0	1.00	1.0	.30	500	N	20	300	1.0
TZS00110	38 10 21	117 49 36	7.0	2.00	3.0	.50	1,500	N	100	1,000	2.0
TZS00111	38 26 4	117 54 53	3.0	1.50	1.5	.30	700	N	10	500	1.0
TZS00112	38 25 23	117 54 38	5.0	1.50	2.0	.30	1,000	N	30	1,000	2.0
TZS00113	38 25 7	117 54 36	5.0	1.50	3.0	.30	1,000	N	70	1,000	2.0
TZS00114	38 25 0	117 53 30	3.0	1.00	3.0	.20	1,000	N	100	700	3.0
TZS00115	38 24 52	117 53 14	2.0	.70	2.0	.20	300	N	20	300	1.0
TZS00116	38 24 6	117 52 32	10.0	1.50	3.0	.50	1,500	N	70	700	1.5
TZS00117	38 23 7	117 51 22	5.0	2.00	15.0	.20	2,000	1.0	70	700	3.0
TZS00118	38 22 5	117 51 36	5.0	1.00	1.0	.30	1,000	N	100	1,000	2.0
TZS00120	38 21 47	117 51 37	5.0	1.00	1.0	.20	1,000	N	200	1,000	2.0
TZS00121	38 20 58	117 52 17	2.0	.50	.5	.20	300	N	70	700	1.5
TZS00122	38 20 13	117 52 22	3.0	1.00	1.0	.20	1,500	N	100	700	3.0
TZS00123	38 19 26	117 51 51	2.0	.70	.3	.30	300	N	30	700	<1.0
TZS00124	38 21 30	117 54 54	2.0	.30	.3	.30	500	N	70	500	1.5
TZS00126	38 23 46	117 58 20	1.5	.30	1.5	.20	300	N	50	200	<1.0
TZS00127	38 23 23	117 58 6	1.5	.30	.5	.15	300	N	50	300	1.0
TZS00128	38 22 43	117 57 46	3.0	.50	.3	.30	500	N	50	500	1.0
TZS00129	38 22 57	117 57 45	2.0	.30	.3	.15	300	N	50	300	1.0
TZS00132	38 23 30	117 56 3	3.0	1.00	1.5	.30	700	N	15	300	<1.0
TZS00133	38 24 13	117 58 57	2.0	.50	3.0	.20	300	N	70	200	1.0
TZS00134	38 23 58	117 57 28	3.0	.70	1.5	.20	700	<.5	150	700	2.0
TZS00135	38 23 55	117 57 3	3.0	1.00	3.0	.20	1,000	N	150	700	3.0
TZS00136	38 23 58	117 57 5	2.0	1.00	2.0	.20	500	N	70	300	1.5
TZS00137	38 24 11	117 57 41	3.0	1.00	5.0	.20	700	N	150	500	2.0
TZS00141	38 22 40	117 57 9	1.5	1.00	1.0	.20	300	N	70	300	1.0
TZS00142	38 22 47	117 56 38	5.0	1.50	1.5	.30	1,000	<.5	300	1,000	2.0
TZS00146	38 22 33	117 55 6	2.0	1.00	3.0	.20	500	N	50	200	<1.0
TZS00147	38 21 31	117 54 45	3.0	1.00	3.0	.20	1,000	<.5	150	700	2.0
TZS00148	38 25 57	117 55 36	7.0	1.50	2.0	.50	1,000	N	70	1,000	2.0
TZS00149	38 26 1	117 55 42	5.0	2.00	2.0	.30	1,000	N	50	700	2.0
TZS00150	38 27 23	117 56 33	3.0	1.00	1.0	.30	500	N	15	300	1.0
TZS00151	38 26 39	117 56 56	3.0	1.00	2.0	.30	300	N	20	300	<1.0
TZS00152	38 27 15	117 58 20	5.0	1.50	3.0	.50	2,000	N	70	1,000	2.0
TZS00153	38 26 36	117 58 29	5.0	1.50	7.0	.50	1,000	<.5	100	1,000	2.0
TZS00154	38 25 45	117 58 10	3.0	1.50	7.0	.30	700	N	150	700	2.0
TZS00158	38 18 57	117 57 28	5.0	1.50	1.5	.30	1,500	.5	100	1,000	3.0
TZS00159	38 19 17	117 57 5	2.0	1.00	.5	.20	500	N	50	300	2.0
TZS00161	38 20 18	117 57 11	3.0	.70	.3	.20	500	N	70	300	1.0
TZS00162	38 19 39	117 57 6	3.0	1.50	.7	.20	1,000	N	100	1,000	2.0
TZS00163	38 19 37	117 58 41	10.0	2.00	2.0	.50	1,500	N	50	700	2.0
TZS00164	38 19 4	117 59 1	7.0	1.50	1.5	.30	1,000	N	50	1,000	2.0
TZS00165	38 19 3	117 59 4	5.0	1.50	1.0	.30	1,500	1.0	70	1,000	3.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TZS00106	15	100	50	50	N	N	50	70	10	500	100
TZS00108	20	100	30	70	N	N	50	50	10	700	150
TZS00109	20	100	20	30	N	N	30	20	10	300	100
TZS00110	50	100	50	50	7	N	50	20	15	1,000	200
TZS00111	20	50	20	<20	N	N	15	15	7	500	100
TZS00112	15	70	15	30	N	N	20	30	15	1,000	150
TZS00113	20	70	30	50	N	N	20	50	10	500	100
TZS00114	20	100	50	70	N	N	30	70	10	300	70
TZS00115	15	50	20	30	N	N	15	30	7	300	70
TZS00116	50	100	70	20	N	N	15	30	20	700	300
TZS00117	10	70	50	30	20	N	20	70	10	1,000	100
TZS00118	15	100	150	70	10	N	30	50	10	300	100
TZS00120	15	100	100	30	7	N	30	30	10	300	100
TZS00121	15	100	70	20	N	N	30	30	5	200	70
TZS00122	20	150	100	50	N	N	30	70	10	300	100
TZS00123	15	50	70	50	7	N	20	10	5	200	70
TZS00124	10	100	30	50	N	N	20	50	7	300	70
TZS00126	15	100	30	20	N	N	30	20	7	300	50
TZS00127	15	70	20	20	N	N	30	20	5	200	50
TZS00128	15	100	30	100	N	N	30	30	7	200	70
TZS00129	15	150	20	20	N	N	30	20	5	150	50
TZS00132	20	100	15	20	N	N	15	20	7	300	70
TZS00133	15	70	30	20	N	N	30	20	7	300	50
TZS00134	15	70	50	50	N	N	20	50	10	300	70
TZS00135	15	100	50	50	N	<20	30	70	10	300	100
TZS00136	20	100	50	20	N	N	30	100	7	500	70
TZS00137	15	150	50	30	15	N	20	50	10	500	100
TZS00141	10	50	20	<20	N	N	20	30	5	150	50
TZS00142	20	100	50	100	N	N	30	50	15	300	150
TZS00146	15	100	20	30	N	N	30	30	7	300	50
TZS00147	15	70	50	50	N	N	30	70	10	500	70
TZS00148	20	70	30	30	N	N	30	30	15	700	300
TZS00149	20	70	20	30	N	N	20	50	15	500	150
TZS00150	20	70	15	30	N	N	15	20	7	300	100
TZS00151	15	70	20	30	N	N	20	30	10	500	70
TZS00152	20	50	30	30	5	N	30	30	10	700	200
TZS00153	15	70	20	50	7	N	20	50	10	700	200
TZS00154	15	70	30	50	N	N	30	50	10	700	100
TZS00158	20	70	100	50	N	N	20	70	10	300	150
TZS00159	15	100	50	30	N	N	30	30	7	200	70
TZS00161	15	100	50	20	N	N	20	20	7	200	100
TZS00162	15	70	100	50	N	N	20	70	10	300	150
TZS00163	30	150	70	30	N	N	30	50	20	700	300
TZS00164	20	100	50	50	N	N	20	50	20	700	200
TZS00165	20	150	100	50	N	<20	30	100	15	500	150

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TZS00106	N	20	N	150	N	35	N	N	1
TZS00108	N	20	N	100	N	65	N	N	1
TZS00109	N	10	N	70	30	80	.2	N	3
TZS00110	N	20	N	200	N	70	N	N	1
TZS00111	N	10	N	100	10	80	.3	N	2
TZS00112	N	20	N	100	10	75	N	N	1
TZS00113	N	20	N	200	30	70	N	N	3
TZS00114	N	20	N	150	40	50	N	N	6
TZS00115	N	10	N	50	40	85	.4	N	6
TZS00116	N	20	N	200	5	95	N	N	N
TZS00117	70	20	300	150	35	205	1.8	9	2
TZS00118	N	20	N	200	50	42	N	N	N
TZS00120	N	20	N	300	60	40	N	N	3
TZS00121	N	15	N	150	35	40	.2	N	8
TZS00122	N	20	N	100	15	40	N	N	4
TZS00123	N	10	N	70	25	40	.3	N	4
TZS00124	N	15	N	150	40	40	.1	N	7
TZS00126	N	10	N	50	20	65	.2	N	3
TZS00127	N	10	N	100	30	55	.3	N	4
TZS00128	N	15	N	200	20	65	.3	N	6
TZS00129	N	10	N	100	20	60	.1	N	8
TZS00132	N	10	N	70	20	75	.1	N	1
TZS00133	N	10	N	50	15	65	.3	N	3
TZS00134	N	20	N	100	20	50	N	N	2
TZS00135	N	20	N	200	35	48	N	N	4
TZS00136	N	10	N	70	40	75	.4	N	12
TZS00137	N	15	N	150	30	50	N	N	4
TZS00141	N	10	N	150	15	95	.6	N	>100
TZS00142	N	20	N	200	35	70	.3	N	52
TZS00146	N	10	N	50	50	50	.2	N	4
TZS00147	N	20	N	150	40	50	<.1	N	10
TZS00148	N	15	N	70	N	75	.1	N	<1
TZS00149	N	20	N	70	15	70	N	N	N
TZS00150	N	10	N	100	10	70	N	N	N
TZS00151	N	15	N	150	15	50	.3	N	N
TZS00152	N	15	N	100	N	70	N	N	N
TZS00153	N	20	N	150	N	55	N	N	1
TZS00154	N	20	N	150	N	35	N	N	2
TZS00158	N	20	N	150	25	50	N	N	3
TZS00159	N	15	N	200	15	60	.1	N	4
TZS00161	N	10	N	70	10	55	.3	N	4
TZS00162	N	20	N	150	15	60	N	N	1
TZS00163	N	20	N	100	20	100	N	N	2
TZS00164	N	30	N	100	15	90	N	N	3
TZS00165	N	30	N	150	20	80	N	N	3

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TZS00166	38 17 35	117 58 15	7.0	1.50	1.5	.30	1,500	<.5	70	1,000	2.0
TZS00167	38 17 35	117 58 12	7.0	2.00	5.0	.30	1,000	N	50	1,000	1.5
TZS00168	38 20 5	117 55 0	3.0	.70	1.0	.20	1,000	<.5	150	1,000	3.0
TZS00169	38 20 58	117 55 58	3.0	.70	1.0	.20	700	N	150	1,000	2.0
TZS00170	38 20 40	117 55 43	5.0	1.00	1.0	.30	1,000	N	150	1,000	2.0
TZS00171	38 20 55	117 55 22	3.0	.70	1.0	.20	1,000	N	100	1,000	2.0
TZS00172	38 21 15	117 55 11	3.0	.70	1.5	.30	1,000	N	100	1,500	3.0
TZS11001	38 45 40	117 49 15	3.0	3.00	5.0	.30	1,000	N	70	700	1.5
TZS11001	38 45 40	117 49 15	3.0	3.00	5.0	.30	1,000	N	70	700	1.5
TZS11002	38 45 40	117 46 0	5.0	2.00	2.0	.50	1,000	N	30	1,500	1.0
TZS11002	38 45 40	117 46 0	5.0	2.00	2.0	.50	1,000	N	30	1,500	1.0
TZS11003	38 46 15	117 46 50	5.0	2.00	3.0	.30	700	N	50	1,000	1.0
TZS11003	38 46 15	117 46 50	5.0	2.00	3.0	.30	700	N	50	1,000	1.0
TZS11004	38 47 15	117 46 5	5.0	3.00	5.0	.30	1,000	N	100	700	1.0
TZS11005	38 49 45	117 47 0	3.0	5.00	5.0	.30	1,000	N	100	700	1.0
TZS11007	38 52 15	117 47 10	5.0	2.00	2.0	.30	1,000	N	50	1,000	1.5
TZS11008	38 51 40	117 47 45	5.0	.70	1.5	.50	1,000	N	50	700	5.0
TZS11009	38 52 20	117 46 50	3.0	.70	1.0	.50	1,000	N	50	1,000	5.0
TZS11021	38 51 20	117 55 15	2.0	5.00	2.0	.30	700	N	100	700	1.5
TZS11022	38 50 45	117 55 30	2.0	7.00	7.0	.15	500	N	70	500	1.0
TZS11023	38 50 0	117 55 30	1.5	7.00	10.0	.15	500	N	50	500	1.0
TZS11024	38 48 45	117 55 40	3.0	5.00	5.0	.20	500	N	100	700	1.5
TZS11025	38 48 0	117 55 0	3.0	3.00	5.0	.30	500	N	100	700	1.0
TZS11026	38 48 0	117 55 0	5.0	1.50	2.0	.50	1,000	N	30	1,500	1.5
TZS11027	38 47 30	117 56 30	3.0	2.00	2.0	.30	1,000	N	30	1,000	1.5
TZS11031	38 47 15	117 46 5	3.0	1.00	3.0	.50	700	N	100	700	3.0
TZS11032	38 55 30	117 52 20	3.0	5.00	5.0	.20	500	N	100	700	1.5
TZS12002	38 46 30	117 30 50	3.0	.70	2.0	.50	1,000	N	30	2,000	5.0
TZS12013	38 51 24	117 44 10	3.0	1.50	2.0	.30	1,000	N	70	1,000	1.5
TZS13C03	38 46 45	117 22 5	2.0	.20	.5	.20	700	N	30	700	7.0
TZS13C05	38 47 10	117 20 10	2.0	.30	.7	.20	700	.7	30	1,000	5.0
TZS13D01	38 45 35	117 28 0	7.0	.70	1.5	1.00	1,500	N	50	1,500	5.0
TZS13D02	38 46 30	117 25 25	7.0	1.00	1.5	.70	1,500	N	15	1,000	3.0
TZS13D04	38 48 10	117 29 45	5.0	.70	1.5	.50	1,000	N	70	1,000	5.0
TZS13D07	38 47 50	117 23 45	20.0	.50	1.0	1.00	2,000	N	10	1,000	3.0
TZS13D10	38 50 10	117 26 10	10.0	.70	1.0	.70	1,000	N	15	1,000	5.0
TZS13D16	38 52 30	117 25 20	10.0	.30	.7	>1.00	2,000	N	10	700	5.0
TZS13D17	38 48 35	117 24 30	5.0	.70	1.5	.30	700	N	30	1,000	7.0
TZS13D18	38 48 5	117 24 5	7.0	.50	1.0	.30	1,500	N	20	1,000	5.0
TZS13D19	38 48 18	117 25 20	15.0	.70	2.0	1.00	1,500	N	10	1,000	3.0
TZS14B01	38 54 15	117 1 20	3.0	1.00	1.5	.30	1,000	<.5	100	1,000	7.0
TZS14C01	38 45 50	117 2 15	3.0	1.00	1.5	.30	1,500	N	70	1,500	7.0
TZS14C03	38 47 45	117 0 5	3.0	.70	1.5	.20	700	N	50	1,000	5.0
TZS14C06	38 50 35	117 1 35	3.0	.70	1.0	.30	1,000	N	70	1,000	7.0
TZS14D01	38 45 5	117 12 30	3.0	1.00	1.0	.30	1,000	N	30	1,000	5.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TZS00166	20	100	100	50	N	N	30	70	20	500	300
TZS00167	30	100	20	20	N	N	20	20	30	500	200
TZS00168	20	100	50	50	N	<20	30	50	15	300	100
TZS00169	20	150	70	50	N	N	30	50	15	300	100
TZS00170	20	70	50	50	N	N	30	50	15	300	150
TZS00171	15	70	100	50	N	N	20	50	10	500	100
TZS00172	15	70	70	50	N	<20	20	50	10	500	100
TZS11001	15	50	70	50	5	N	10	50	10	200	100
TZS11001	15	50	70	50	5	N	10	50	10	200	100
TZS11002	20	70	15	50	N	N	10	30	15	700	150
TZS11002	20	70	15	50	N	N	10	30	15	700	150
TZS11003	15	30	50	50	N	N	15	20	10	500	100
TZS11003	15	30	50	50	N	N	15	20	10	500	100
TZS11004	15	20	30	70	N	N	15	30	10	500	100
TZS11005	15	20	15	50	N	N	15	20	10	500	100
TZS11007	20	30	15	50	N	N	10	30	15	700	100
TZS11008	10	50	15	70	N	N	10	30	10	500	150
TZS11009	7	20	7	500	N	<20	5	50	7	500	70
TZS11021	15	70	15	<20	N	N	10	50	10	300	70
TZS11022	10	50	10	100	N	N	10	30	5	300	70
TZS11023	10	50	10	<20	N	N	10	30	5	200	50
TZS11024	15	50	10	50	N	N	15	30	7	500	100
TZS11025	15	50	15	50	<5	N	20	30	10	300	100
TZS11026	20	50	10	50	N	N	10	30	15	700	150
TZS11027	15	50	10	50	N	N	10	20	15	700	100
TZS11031	15	70	30	200	N	N	20	30	10	500	150
TZS11032	15	70	15	<20	15	N	20	50	10	300	70
TZS12002	15	20	10	50	N	N	5	50	10	1,000	150
TZS12013	10	10	7	50	N	N	<5	20	7	500	100
TZS13C03	5	10	<5	50	N	20	<5	20	5	200	50
TZS13C05	5	10	<5	50	N	N	<5	30	5	300	50
TZS13D01	30	70	15	70	5	<20	15	20	10	700	200
TZS13D02	15	50	7	50	N	N	5	30	10	500	300
TZS13D04	20	70	20	50	7	N	30	30	10	700	150
TZS13D07	30	70	7	300	N	N	10	20	15	500	500
TZS13D10	20	50	5	70	N	<20	5	20	10	500	300
TZS13D16	15	30	<5	700	7	50	<5	30	15	300	200
TZS13D17	10	20	7	70	N	<20	5	30	10	700	100
TZS13D18	15	10	7	70	N	N	<5	20	7	500	70
TZS13D19	50	70	5	50	N	<20	5	30	10	700	500
TZS14B01	15	50	30	50	N	<20	50	30	10	300	150
TZS14C01	10	70	15	50	N	N	30	20	10	700	100
TZS14C03	7	20	7	30	N	N	5	20	10	500	100
TZS14C06	7	30	10	50	N	N	10	20	10	300	100
TZS14D01	20	30	15	50	N	N	20	30	10	300	100

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TZS00166	N	30	N	70	15	90	N	N	5
TZS00167	N	30	N	100	25	85	N	N	3
TZS00168	N	30	N	200	15	40	N	N	3
TZS00169	N	20	N	150	25	55	.1	N	3
TZS00170	N	30	N	150	20	55	N	N	3
TZS00171	N	20	N	200	35	45	N	N	6
TZS00172	N	30	N	300	40	45	N	N	11
TZS11001	N	20	N	100	<5	80	.4	N	2
TZS11001	N	20	N	100	<5	80	.4	N	2
TZS11002	N	20	N	100	5	100	.2	N	1
TZS11002	N	20	N	100	5	100	.2	N	1
TZS11003	N	20	N	100	5	75	.3	N	3
TZS11003	N	20	N	100	5	75	.3	N	3
TZS11004	N	20	N	100	15	45	.2	N	3
TZS11005	N	20	N	70	<5	50	.2	N	N
TZS11007	N	20	N	150	<5	40	.1	N	1
TZS11008	N	20	N	150	10	70	.3	N	N
TZS11009	N	20	N	200	5	80	.3	N	N
TZS11021	N	20	N	150	<5	70	.6	N	1
TZS11022	N	15	N	50	10	50	.5	N	2
TZS11023	N	15	N	20	20	45	.4	N	3
TZS11024	N	20	N	100	10	60	.3	N	3
TZS11025	N	20	N	100	40	70	.4	N	3
TZS11026	N	20	N	150	5	85	.2	N	1
TZS11027	N	20	N	100	<5	95	.3	N	1
TZS11031	N	30	N	100	20	35	N	N	4
TZS11032	150	20	N	150	5	65	.5	N	2
TZS12002	N	15	N	70	N	65	N	N	N
TZS12013	N	20	N	200	5	50	.1	N	2
TZS13C03	N	20	N	500	15	60	.2	N	N
TZS13C05	N	15	N	100	N	40	.2	N	N
TZS13D01	N	30	<200	700	N	120	N	N	4
TZS13D02	N	30	N	1,000	10	75	.1	N	N
TZS13D04	N	20	N	150	N	80	N	N	1
TZS13D07	N	30	300	700	5	130	.1	N	N
TZS13D10	N	20	N	700	10	150	.1	N	N
TZS13D16	N	70	500	>1,000	10	170	.2	N	N
TZS13D17	N	20	N	200	10	60	.1	N	N
TZS13D18	N	15	N	300	55	55	.1	N	N
TZS13D19	N	30	N	>1,000	5	110	.1	N	N
TZS14B01	N	20	N	150	10	20	.4	N	N
TZS14C01	N	20	N	200	20	70	.2	N	N
TZS14C03	N	20	N	500	<5	60	.1	N	N
TZS14C06	N	20	N	300	5	60	.2	N	N
TZS14D01	N	20	N	100	10	70	.3	N	2

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s
TZS14D04	38 49 0	117 12 50	2.0	.70	.7	.30	700	N	20	1,000	5.0
TZS14D06	38 52 20	117 13 45	3.0	1.50	1.5	.50	1,500	N	50	1,000	5.0
TZS15A02	38 52 55	116 54 55	2.0	.70	1.0	.20	1,000	<.5	100	1,000	5.0
TZS15A04	38 55 0	116 57 0	2.0	1.00	1.5	.30	1,000	.5	100	1,000	5.0
TZS15A05	38 55 15	116 55 15	2.0	1.00	1.5	.20	700	N	100	1,500	7.0
TZS15A08	38 56 54	116 55 30	2.0	.50	1.0	.30	1,500	N	100	2,000	5.0
TZS15A10	38 58 10	116 56 20	2.0	.50	1.0	.30	1,500	.5	100	2,000	5.0
TZS15B01	38 53 0	116 48 20	1.0	.20	1.5	.15	500	N	100	1,000	5.0
TZS15B04	38 55 0	116 47 0	2.0	1.00	2.0	.30	1,000	2.0	200	3,000	5.0
TZS15B07	38 56 20	116 51 50	2.0	.70	1.0	.30	1,000	1.0	150	1,000	7.0
TZS15B08	38 58 5	116 49 15	3.0	1.00	1.5	.50	1,000	3.0	200	1,500	5.0
TZS15B11	38 59 0	116 45 40	2.0	.70	.7	.50	1,500	N	150	1,500	3.0
TZS15B12	38 58 10	116 45 50	3.0	1.50	1.0	.70	1,500	N	150	2,000	5.0
TZS15C03	38 47 30	116 52 5	5.0	.50	1.5	.30	1,000	N	20	1,500	5.0
TZS15C04	38 47 35	116 52 5	2.0	.50	1.5	.20	700	N	30	1,500	5.0
TZS16B02	38 53 35	116 29 40	10.0	1.50	5.0	1.00	2,000	<.5	100	1,500	2.0
TZS16C10	38 51 35	116 30 5	3.0	.30	3.0	.50	700	N	50	700	1.0
TZS16D05	38 46 44	116 40 38	3.0	.50	1.5	.50	1,000	N	50	1,000	5.0
TZS16D08	38 46 56	116 38 6	1.5	.20	1.5	.30	500	N	50	1,500	5.0
TZS17A01	38 55 40	116 27 30	10.0	1.00	3.0	>1.00	2,000	.5	100	>5,000	2.0
TZS17A02	38 56 20	116 26 50	5.0	1.00	7.0	.50	1,500	.5	150	2,000	3.0
TZS17A04	38 58 35	116 25 20	10.0	2.00	3.0	1.00	2,000	N	20	1,500	1.0
TZS17B01	38 52 38	116 15 26	2.0	.20	2.0	.50	700	N	30	1,000	7.0
TZS18A02	38 53 36	116 14 36	1.5	.30	1.0	.20	700	N	50	700	5.0
TZS18A04	38 54 54	116 10 52	3.0	.50	1.0	.50	1,500	N	30	700	5.0
TZS18A06	38 56 28	116 7 34	10.0	.70	1.0	1.00	1,500	N	10	500	3.0
TZS18A08	38 57 36	116 10 18	2.0	.70	1.0	.50	700	N	50	700	5.0
TZS18B01	38 54 4	116 6 54	10.0	.30	.7	1.00	1,500	N	15	500	3.0
TZS18C01	38 45 26	116 1 32	3.0	1.00	1.5	.50	1,000	N	70	1,000	5.0
TZS18C02	38 46 22	116 1 28	2.0	2.00	3.0	.20	500	N	50	1,000	3.0
TZS18C04	38 46 18	116 4 58	1.5	.30	.7	.15	700	<.5	50	700	5.0
TZS18C07	38 49 42	116 5 14	2.0	.30	1.0	.20	1,000	N	70	700	5.0
TZS18C11	38 47 14	116 7 16	7.0	1.00	.7	1.00	1,000	.5	20	700	5.0
TZS18D02	38 47 12	116 12 8	7.0	.50	1.5	.70	1,500	N	30	1,000	3.0
TZS18D04	38 47 58	116 9 4	5.0	1.00	1.5	1.00	1,000	N	50	1,000	5.0
TZS18D07	38 50 16	116 9 0	5.0	.50	1.5	1.00	1,000	N	30	1,000	5.0
TZS18D09	38 50 38	116 13 46	5.0	.50	1.0	.30	1,500	N	10	1,000	3.0
TZS21A04	38 44 0	117 54 5	5.0	1.00	1.0	.50	1,000	N	100	1,000	7.0
TZS21B02	38 41 0	117 47 40	7.0	1.00	1.5	.70	1,500	N	70	1,000	5.0
TZS21B03	38 42 50	117 45 35	5.0	1.00	1.5	.50	1,000	N	20	1,000	3.0
TZS22C02	38 30 50	117 36 35	5.0	1.50	7.0	.50	1,500	1.0	200	1,000	5.0
TZS22D01	38 31 56	117 39 36	5.0	1.00	2.0	.70	1,500	<.5	70	1,500	3.0
TZS22D02	38 31 58	117 44 26	5.0	1.00	1.5	.50	1,000	N	70	1,500	5.0
TZS22D05	38 33 45	117 43 25	5.0	1.50	2.0	.50	1,500	.5	70	1,500	5.0
TZS23A01	38 37 28	117 24 45	2.0	.50	1.0	.15	500	N	30	1,500	1.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TZS14D04	10	20	5	50	N	N	10	20	10	300	70
TZS14D06	30	100	50	70	N	<20	70	30	20	300	150
TZS15A02	10	50	30	50	7	N	50	20	7	200	200
TZS15A04	10	70	30	150	5	N	30	30	10	300	200
TZS15A05	10	50	30	500	<5	N	50	20	10	300	150
TZS15A08	15	50	30	50	10	N	70	15	10	200	200
TZS15A10	10	50	20	70	7	N	50	30	10	300	200
TZS15B01	<5	10	5	50	N	N	15	50	5	300	70
TZS15B04	10	100	50	50	20	N	100	50	10	200	500
TZS15B07	15	70	50	70	20	N	100	30	10	300	500
TZS15B08	20	150	70	70	20	<20	100	50	15	200	500
TZS15B11	20	70	30	30	N	N	70	15	10	200	150
TZS15B12	30	100	50	50	N	N	100	20	20	150	150
TZS15C03	10	20	<5	100	N	N	5	10	10	700	150
TZS15C04	7	10	5	70	N	N	5	15	5	700	50
TZS16B02	30	100	30	100	N	N	30	70	15	700	150
TZS16C10	15	30	10	300	N	N	20	10	7	300	100
TZS16D05	10	20	10	70	N	<20	7	20	10	700	150
TZS16D08	5	10	<5	150	N	N	10	20	7	700	50
TZS17A01	30	150	50	70	N	50	50	100	20	500	300
TZS17A02	10	70	15	100	5	N	20	50	10	700	150
TZS17A04	50	100	10	50	N	20	50	70	15	1,000	200
TZS17B01	10	10	<5	500	N	N	<5	20	5	700	100
TZS18A02	5	10	7	50	N	N	20	50	7	500	50
TZS18A04	15	50	5	200	N	<20	10	20	10	300	150
TZS18A06	30	100	<5	700	5	50	20	30	15	300	300
TZS18A08	10	50	7	300	N	<20	15	20	10	500	100
TZS18B01	30	70	7	150	7	30	7	30	15	300	500
TZS18C01	10	30	7	700	N	N	7	20	10	700	100
TZS18C02	7	30	5	500	N	N	10	30	7	500	50
TZS18C04	7	10	7	70	N	<20	5	50	5	300	30
TZS18C07	5	15	7	100	N	N	5	30	7	300	50
TZS18C11	20	70	<5	70	N	30	5	50	20	500	200
TZS18D02	15	50	5	700	10	N	15	30	10	500	200
TZS18D04	20	70	10	50	N	<20	30	30	15	500	200
TZS18D07	15	30	5	100	5	20	30	20	10	700	200
TZS18D09	15	20	7	70	N	<20	5	30	10	500	200
TZS21A04	20	50	20	150	N	N	20	50	15	700	150
TZS21B02	30	100	20	20	N	N	50	30	15	700	200
TZS21B03	15	150	20	20	N	N	20	30	10	700	150
TZS22C02	15	50	30	30	<5	N	20	70	10	700	150
TZS22D01	20	50	30	50	N	N	20	30	15	700	150
TZS22D02	15	50	30	30	N	N	15	50	15	700	150
TZS22D05	50	50	30	200	N	N	70	50	15	700	100
TZS23A01	5	N	<5	<20	<5	N	<5	30	5	500	50

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TZS14D04	N	20	N	200	<5	45	.2	N	4
TZS14D06	N	20	N	150	10	80	.4	N	2
TZS15A02	N	20	<200	150	120	20	.6	N	N
TZS15A04	N	30	N	200	10	82	.6	N	<2
TZS15A05	N	30	N	70	120	15	.6	N	N
TZS15A08	N	20	N	200	140	35	.9	N	2
TZS15A10	N	20	N	200	15	110	.5	N	N
TZS15B01	N	15	N	50	35	10	N	N	N
TZS15B04	N	30	1,000	150	400	60	6.0	N	3
TZS15B07	N	50	1,000	150	300	40	7.3	N	2
TZS15B08	N	30	700	150	350	75	5.5	N	2
TZS15B11	N	20	N	150	110	25	.5	N	N
TZS15B12	N	30	<200	150	170	30	.7	N	N
TZS15C03	N	30	N	300	N	65	.2	N	N
TZS15C04	N	15	N	200	N	45	.2	N	N
TZS16B02	N	30	<200	100	10	80	N	N	N
TZS16C10	N	15	N	700	20	85	N	N	5
TZS16D05	N	30	N	700	N	60	.2	N	N
TZS16D08	N	15	N	500	35	N	.2	N	N
TZS17A01	N	50	200	300	30	120	.2	N	N
TZS17A02	N	30	N	200	20	70	N	N	N
TZS17A04	N	20	N	200	N	55	N	N	N
TZS17B01	N	15	N	200	100	N	.2	N	N
TZS18A02	N	15	N	100	40	5	.2	N	N
TZS18A04	N	20	N	500	75	5	.2	N	N
TZS18A06	N	30	200	150	170	N	.2	N	N
TZS18A08	N	20	N	150	50	10	.3	N	N
TZS18B01	N	20	500	500	200	N	.2	N	N
TZS18C01	N	30	N	500	30	60	.2	N	N
TZS18C02	N	20	N	100	50	55	N	N	N
TZS18C04	N	20	N	200	15	60	.2	N	N
TZS18C07	N	20	N	100	5	45	N	N	N
TZS18C11	N	30	N	150	35	95	.1	N	N
TZS18D02	N	20	N	200	140	N	.2	N	N
TZS18D04	N	20	<200	150	100	N	.2	N	N
TZS18D07	N	15	N	300	120	N	.2	N	N
TZS18D09	N	20	N	70	10	70	.2	N	N
TZS21A04	N	70	N	150	N	85	N	N	2
TZS21B02	N	20	N	300	N	100	N	N	1
TZS21B03	N	15	N	70	N	75	N	N	2
TZS22C02	N	20	N	100	30	65	N	N	7
TZS22D01	N	15	N	100	20	70	N	N	7
TZS22D02	N	20	N	500	5	80	N	N	5
TZS22D05	N	30	N	100	N	80	N	N	5
TZS23A01	N	15	N	100	<5	35	.2	N	N

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TZS23A02	38 38 0	117 25 10	2.0	.70	1.0	.30	700	N	30	1,500	1.5
TZS23A03	38 38 0	117 25 12	3.0	1.00	1.0	.30	700	N	50	1,500	1.5
TZS23A08	38 41 40	117 29 50	3.0	.70	2.0	.30	1,000	.5	50	1,500	5.0
TZS23A09	38 43 40	117 29 30	10.0	.70	1.5	.70	1,500	N	30	1,500	3.0
TZS23A12	38 42 35	117 24 35	7.0	.50	1.5	.70	1,500	N	30	1,500	5.0
TZS23B04	38 39 20	117 19 30	3.0	.70	1.0	.50	1,000	N	20	1,000	5.0
TZS23B08	38 41 10	117 20 0	2.0	.50	.7	.20	700	N	50	1,000	7.0
TZS23B10	38 43 20	117 19 0	3.0	.50	.7	.50	1,000	N	20	1,000	5.0
TZS23B15	38 42 40	117 22 10	3.0	.70	1.5	.50	1,000	N	30	1,500	5.0
TZS23B16	38 42 42	117 22 8	5.0	.50	1.0	.50	1,000	N	20	1,500	5.0
TZS23B20	38 37 36	117 21 16	5.0	.70	1.5	.50	1,000	N	20	1,000	5.0
TZS23C01	38 34 22	117 15 40	7.0	.70	1.5	1.00	3,000	N	20	1,500	5.0
TZS23C05	38 37 22	117 18 24	3.0	.70	1.0	.50	700	N	30	1,000	5.0
TZS23C07	38 32 8	117 18 52	3.0	1.00	1.5	.50	700	N	30	1,000	3.0
TZS23C09	38 31 36	117 21 52	7.0	1.00	1.5	.70	1,500	N	30	1,000	5.0
TZS23C11	38 37 22	117 18 8	3.0	.70	1.5	.20	700	N	30	1,000	3.0
TZS23D01	38 33 10	117 24 15	2.0	.70	1.0	.30	700	N	50	1,000	5.0
TZS23D05	38 34 50	117 23 55	7.0	.70	1.0	.50	1,000	N	30	1,000	5.0
TZS23D07	38 35 30	117 23 40	1.5	.70	1.0	.20	500	N	30	1,500	1.0
TZS23D08	38 35 30	117 25 50	5.0	.70	1.5	.50	1,000	N	50	1,000	5.0
TZS23D09	38 35 55	117 26 0	5.0	.70	1.0	.30	1,000	N	50	1,000	5.0
TZS23D10	38 36 0	117 27 10	10.0	.70	1.0	1.00	1,000	N	15	1,000	<1.0
TZS24A01	38 38 35	117 13 50	3.0	1.00	.7	.50	1,000	1.0	100	1,500	5.0
TZS24A05	38 43 25	117 12 30	3.0	1.00	1.0	.50	1,000	.5	70	1,500	5.0
TZS24B08	38 43 5	117 1 25	3.0	1.00	1.5	.50	1,000	.5	70	1,000	10.0
TZS24D06	38 36 40	117 13 35	3.0	1.00	1.5	.50	1,500	N	50	1,000	7.0
TZS25B06	38 41 28	116 49 18	1.5	.50	1.5	.15	700	N	30	1,500	5.0
TZS25B08	38 42 22	116 47 54	3.0	.70	1.5	.20	1,000	N	70	1,000	5.0
TZS25C02	38 30 18	116 52 14	1.0	.30	1.0	.10	700	.5	70	1,500	5.0
TZS25C03	38 36 42	116 52 4	3.0	2.00	5.0	.30	700	.5	50	1,000	7.0
TZS25C04	38 31 22	116 46 2	3.0	.70	1.0	.30	1,000	.5	70	1,500	7.0
TZS26A01	38 37 52	116 41 28	10.0	.70	1.5	1.00	1,500	N	30	1,000	5.0
TZS26A02	38 37 56	116 40 28	2.0	.15	1.0	.50	700	N	10	1,500	3.0
TZS26A08	38 40 56	116 42 14	15.0	.70	1.5	>1.00	1,500	N	30	1,000	5.0
TZS26D09	38 33 18	116 43 34	2.0	.50	1.0	.20	700	N	50	1,500	5.0
TZS27D01	38 34 44	116 29 14	15.0	.70	5.0	>1.00	3,000	N	70	2,000	3.0
TZS27D02	38 33 38	116 29 26	5.0	.50	3.0	.70	1,000	N	30	2,000	3.0
TZS31A01	38 24 30	117 54 50	5.0	1.00	7.0	.20	1,000	N	150	500	5.0
TZS31A02	38 24 30	117 55 0	5.0	1.50	2.0	.20	500	N	100	500	3.0
TZS31A02	38 24 30	117 55 0	5.0	1.50	2.0	.20	500	N	100	500	3.0
TZS31A03	38 24 35	117 56 0	3.0	1.00	1.5	.20	300	N	50	200	1.0
TZS31A04	38 24 40	117 57 20	7.0	1.00	2.0	.20	1,000	N	100	700	5.0
TZS31A05	38 24 45	117 57 20	7.0	1.00	2.0	.30	1,000	<.5	200	700	7.0
TZS31A06	38 24 50	117 58 30	7.0	1.50	2.0	.30	1,500	<.5	200	1,000	5.0
TZS31A07	38 24 25	117 58 30	5.0	1.00	1.0	.20	700	N	100	300	2.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TZS23A02	10	10	5	70	N	N	<5	30	7	500	70
TZS23A03	15	20	10	70	N	N	7	50	10	500	100
TZS23A08	10	20	10	50	N	N	7	30	10	700	100
TZS23A09	30	100	15	70	N	<20	10	30	15	700	300
TZS23A12	15	50	<5	50	N	<20	5	20	10	700	300
TZS23B04	7	20	5	50	N	N	5	20	10	700	70
TZS23B08	5	10	5	30	N	N	7	20	7	500	50
TZS23B10	7	15	5	200	N	N	7	20	10	500	100
TZS23B15	10	30	7	70	N	<20	5	30	10	700	150
TZS23B16	10	20	7	50	N	N	5	30	10	700	200
TZS23B20	20	70	5	50	N	N	5	15	10	500	200
TZS23C01	15	50	15	50	N	20	15	70	15	500	200
TZS23C05	10	70	7	100	N	N	10	30	10	700	100
TZS23C07	15	50	15	50	N	N	30	20	10	700	100
TZS23C09	20	70	10	150	N	N	20	30	15	700	200
TZS23C11	10	30	5	50	N	N	15	20	10	700	70
TZS23D01	7	20	10	30	N	N	10	30	7	500	70
TZS23D05	15	50	7	100	N	<20	15	30	10	700	200
TZS23D07	5	<10	<5	<20	N	N	<5	30	5	500	50
TZS23D08	10	30	5	70	N	N	7	20	10	700	150
TZS23D09	10	30	10	50	N	N	15	30	10	700	150
TZS23D10	20	50	<5	100	N	<20	10	50	15	300	200
TZS24A01	20	70	30	30	7	<20	70	70	15	300	200
TZS24A05	15	70	15	70	N	N	50	50	10	300	100
TZS24B08	15	70	30	70	N	<20	30	50	10	500	150
TZS24D06	15	30	20	30	N	<20	20	30	15	500	100
TZS25B06	7	10	<5	50	N	N	<5	15	5	700	50
TZS25B08	7	30	10	100	N	N	10	50	10	700	100
TZS25C02	5	10	10	50	5	N	7	70	7	300	20
TZS25C03	10	50	20	100	15	N	50	20	10	500	200
TZS25C04	7	50	20	100	N	N	10	100	10	300	70
TZS26A01	20	70	5	200	N	30	<5	30	15	500	200
TZS26A02	5	<10	<5	1,000	N	N	<5	15	5	500	50
TZS26A08	30	70	15	200	N	30	10	30	15	500	500
TZS26D09	5	10	5	100	N	N	5	20	7	500	50
TZS27D01	20	50	15	200	N	<20	15	70	15	700	200
TZS27D02	15	20	5	700	N	N	10	50	10	700	100
TZS31A01	20	50	20	30	N	N	50	50	10	500	100
TZS31A02	20	70	30	20	N	N	30	70	7	300	70
TZS31A02	20	70	30	20	N	N	30	70	7	300	70
TZS31A03	20	150	15	50	N	N	30	30	7	150	100
TZS31A04	30	100	50	50	N	N	50	70	10	500	100
TZS31A05	20	100	50	150	N	<20	70	70	15	500	150
TZS31A06	50	100	50	50	N	<20	70	100	15	500	150
TZS31A07	20	100	30	20	N	N	30	50	7	150	100

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TZS23A02	N	15	N	150	N	50	.2	N	N
TZS23A03	N	30	N	150	<5	70	.3	N	2
TZS23A08	N	30	N	70	N	50	N	N	N
TZS23A09	N	30	N	1,000	N	150	N	N	N
TZS23A12	N	50	N	1,000	5	150	.3	N	3
TZS23B04	N	20	N	500	<5	90	.3	N	2
TZS23B08	N	15	N	300	15	55	.3	N	1
TZS23B10	N	20	N	300	15	90	.3	N	3
TZS23B15	N	30	N	700	5	90	.3	N	4
TZS23B16	N	20	N	500	5	75	.4	N	3
TZS23B20	N	20	N	700	<5	90	.3	N	2
TZS23C01	N	30	200	500	5	130	.3	N	1
TZS23C05	N	15	N	200	<5	60	.3	N	3
TZS23C07	N	20	N	100	<5	55	N	N	2
TZS23C09	N	30	N	500	5	100	N	N	2
TZS23C11	N	20	N	200	5	45	.2	N	1
TZS23D01	N	15	N	100	5	35	N	N	2
TZS23D05	N	30	N	300	<5	100	.2	N	2
TZS23D07	N	10	N	100	<5	35	.2	N	<1
TZS23D08	N	30	N	150	5	50	N	N	2
TZS23D09	N	20	N	70	<5	65	N	N	2
TZS23D10	N	70	N	1,000	5	180	.3	N	2
TZS24A01	N	20	N	150	50	130	1.2	N	14
TZS24A05	N	20	N	150	35	70	.4	N	4
TZS24B08	N	20	N	200	15	80	.2	15	<2
TZS24D06	N	20	N	300	5	70	.5	N	2
TZS25B06	N	20	N	300	10	35	.1	N	N
TZS25B08	N	20	N	150	5	40	.1	N	N
TZS25C02	N	15	N	100	<5	25	.1	N	N
TZS25C03	N	20	N	150	N	20	.5	N	N
TZS25C04	N	50	N	700	5	40	.1	N	N
TZS26A01	N	50	N	>1,000	5	65	.1	N	N
TZS26A02	N	20	N	300	N	140	.2	N	N
TZS26A08	N	50	N	>1,000	10	110	.5	N	N
TZS26D09	N	10	N	500	<5	30	.1	N	N
TZS27D01	N	30	300	500	N	75	N	N	N
TZS27D02	N	30	N	700	N	25	N	N	N
TZS31A01	N	20	N	100	40	50	N	N	6
TZS31A02	N	20	N	150	35	55	N	N	4
TZS31A02	N	20	N	150	35	55	N	N	4
TZS31A03	N	10	N	150	55	55	N	N	6
TZS31A04	N	20	N	100	30	55	N	N	4
TZS31A05	N	30	N	200	10	60	N	N	3
TZS31A06	N	30	N	500	N	50	N	N	1
TZS31A07	N	15	N	150	10	45	N	N	4

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s
TZS31A08	38 25 10	117 58 50	7.0	1.50	5.0	.50	1,000	N	100	1,000	5.0
TZS31A09	38 25 55	117 58 55	7.0	3.00	10.0	.30	1,500	N	150	700	3.0
TZS31A10	38 25 42	117 58 5	7.0	2.00	7.0	.30	1,000	<.5	200	700	5.0
TZS31A11	38 25 50	117 57 10	7.0	1.50	5.0	.30	1,000	<.5	150	700	5.0
TZS31A12	38 25 10	117 55 50	7.0	1.50	1.5	.30	1,000	N	150	700	5.0
TZS31A13	38 25 35	117 54 20	3.0	1.00	1.0	.30	500	N	30	300	1.5
TZS31A15	38 26 40	117 56 40	7.0	1.50	3.0	.30	1,000	N	100	1,000	5.0
TZS31A16	38 27 15	117 58 5	7.0	2.00	1.5	.30	1,500	N	100	1,000	3.0
TZS31A17	38 26 35	117 58 30	5.0	1.50	3.0	.20	500	N	100	500	3.0
TZS31A20	38 27 25	117 56 30	7.0	1.50	1.5	.30	1,000	N	50	1,000	3.0
TZS31A21	38 27 15	117 56 30	5.0	1.00	1.0	.20	700	N	30	500	1.5
TZS31A22	38 27 10	117 56 30	5.0	1.00	.7	.20	500	N	20	300	1.0
TZS31A23	38 26 40	117 56 0	5.0	1.50	1.0	.30	700	N	30	700	2.0
TZS31A24	38 25 45	117 55 35	7.0	2.00	1.5	.30	1,000	N	50	1,000	5.0
TZS31A25	38 25 55	117 55 35	10.0	1.50	1.5	.50	1,000	N	50	700	2.0
TZS31A26	38 26 0	117 55 40	7.0	2.00	1.5	.30	1,000	<.5	50	1,000	3.0
TZS31A27	38 26 35	117 55 45	7.0	2.00	2.0	.50	1,000	N	50	700	3.0
TZS31A28	38 24 0	117 58 25	7.0	1.00	3.0	.20	1,000	<.5	200	500	3.0
TZS31A29	38 24 0	117 58 5	3.0	1.00	1.5	.20	700	N	100	500	3.0
TZS31C01	38 15 15	117 51 5	7.0	1.50	2.0	.30	1,000	.7	100	1,000	1.5
TZS31C02	38 16 42	117 51 55	7.0	1.50	3.0	.30	1,500	.5	100	1,000	3.0
TZS32B01	38 30 0	117 36 10	10.0	1.50	1.5	1.00	2,000	.5	50	700	3.0
TZS32B05	38 24 0	117 30 20	7.0	1.50	1.5	.50	1,000	N	70	1,000	5.0
TZS32B08	38 25 30	117 35 45	5.0	1.00	1.5	.50	2,000	N	150	1,500	5.0
TZS32C02	38 16 20	117 31 10	5.0	1.00	1.5	.50	1,000	1.5	70	1,000	5.0
TZS32C04	38 17 45	117 35 30	3.0	1.00	1.0	.30	1,000	.7	100	1,000	5.0
TZS33001	38 18 50	117 15 0	5.0	1.00	1.5	.30	700	.5	70	1,500	5.0
TZS33002	38 17 50	117 16 30	5.0	1.00	1.5	.50	1,000	.5	70	1,500	5.0
TZS33008	38 21 15	117 29 30	3.0	1.00	1.5	.30	1,000	1.0	100	1,500	5.0
TZS34016	38 16 15	117 8 0	3.0	1.00	2.0	.30	1,000	N	50	1,000	5.0
TZS34019	38 16 45	117 14 45	3.0	1.00	2.0	.30	1,000	N	70	1,500	7.0
TZS34020	38 18 45	117 10 15	3.0	1.00	2.0	.30	1,000	N	50	1,500	5.0
TZS34023	38 22 0	117 13 50	3.0	1.00	2.0	.30	700	N	50	1,000	5.0
TZS34024	38 22 30	117 11 40	5.0	1.00	2.0	.50	1,500	N	70	1,500	5.0
TZS35A02	38 25 8	116 56 52	3.0	1.00	1.0	.30	1,000	10.0	70	1,500	7.0
TZS35A03	38 25 28	116 56 16	3.0	.70	1.0	.30	700	N	50	1,500	5.0
TZS35A04	38 26 38	116 53 12	5.0	1.00	1.5	.30	1,000	N	50	1,000	5.0
TZS35B01	38 22 18	116 47 52	20.0	.30	1.0	1.00	2,000	N	20	1,500	5.0
TZS35B02	38 23 40	116 48 56	5.0	.50	2.0	.50	1,000	N	50	2,000	5.0
TZS35B03	38 23 50	116 46 54	5.0	.70	1.0	.30	1,500	N	30	1,500	5.0
TZS35B04	38 23 54	116 46 46	10.0	.50	1.0	1.00	2,000	N	20	1,500	5.0
TZS35B09	38 25 56	116 51 36	10.0	.30	1.0	.70	1,500	.5	20	1,500	5.0
TZS35B11	38 25 58	116 46 38	2.0	.50	1.0	.20	1,000	N	70	1,500	5.0
TZS35B13	38 27 12	116 48 56	2.0	.50	1.0	.30	1,000	N	50	1,000	7.0
TZS35B15	38 28 18	116 48 44	1.5	.50	1.0	.20	1,000	N	70	1,500	5.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TZS31A08	30	70	20	30	N	N	50	50	20	700	200
TZS31A09	20	100	30	50	N	N	30	100	10	1,000	100
TZS31A10	20	150	30	30	N	N	70	100	15	1,000	100
TZS31A11	20	100	30	30	N	N	50	100	10	500	150
TZS31A12	30	100	50	30	N	N	70	70	10	500	100
TZS31A13	10	50	15	20	N	N	15	30	7	500	150
TZS31A15	20	50	20	50	N	N	20	50	20	700	200
TZS31A16	50	100	50	50	N	N	30	30	20	700	300
TZS31A17	15	70	20	50	N	N	50	50	15	500	100
TZS31A20	20	70	20	30	N	N	30	30	15	1,000	200
TZS31A21	20	70	10	20	N	N	20	10	10	500	150
TZS31A22	20	50	100	<20	N	N	10	30	7	300	200
TZS31A23	20	70	10	20	N	N	20	15	10	700	200
TZS31A24	50	70	30	30	N	N	50	50	20	1,000	300
TZS31A25	50	150	30	30	N	N	70	20	20	700	300
TZS31A26	30	100	30	30	N	N	30	50	20	1,000	200
TZS31A27	30	70	20	20	N	N	30	30	15	1,000	300
TZS31A28	20	150	50	30	N	N	70	70	15	700	150
TZS31A29	15	70	20	30	N	N	50	50	10	300	100
TZS31C01	15	70	20	50	5	20	30	100	10	500	70
TZS31C02	15	50	20	50	7	N	20	50	15	700	150
TZS32B01	30	100	30	50	N	<20	30	30	20	500	500
TZS32B05	20	100	20	70	N	<20	30	30	15	700	200
TZS32B08	20	70	50	70	5	N	30	20	10	700	200
TZS32C02	15	100	20	200	N	N	20	50	15	500	200
TZS32C04	10	20	20	50	N	N	15	50	10	500	100
TZS33001	15	70	10	50	10	N	20	20	10	700	100
TZS33002	20	50	20	70	N	N	20	30	10	700	150
TZS33008	15	70	30	50	N	N	20	50	10	700	150
TZS34016	15	70	15	50	N	N	20	20	10	700	150
TZS34019	20	50	15	70	N	N	20	20	10	700	150
TZS34020	15	70	20	70	N	N	20	30	10	700	150
TZS34023	15	70	20	50	N	<20	20	20	15	700	150
TZS34024	20	70	30	70	5	N	30	50	15	700	200
TZS35A02	7	20	15	50	N	N	10	30	10	700	100
TZS35A03	10	30	10	100	N	N	10	30	7	700	100
TZS35A04	15	70	10	50	N	N	10	30	15	500	150
TZS35B01	50	70	10	300	N	N	5	30	15	500	500
TZS35B02	10	50	7	100	N	N	5	20	10	700	150
TZS35B03	10	30	5	150	N	N	5	30	10	700	200
TZS35B04	10	20	5	200	N	20	<5	50	10	700	200
TZS35B09	15	50	15	50	N	N	10	20	10	500	300
TZS35B11	5	15	7	50	N	N	7	50	7	700	50
TZS35B13	7	30	10	50	N	N	10	50	7	500	70
TZS35B15	7	70	15	50	N	N	15	50	7	300	50

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TZS31A08	N	30	N	150	<5	50	N	N	2
TZS31A09	N	20	N	200	N	40	N	N	2
TZS31A10	N	30	N	200	N	35	N	N	N
TZS31A11	N	20	N	200	N	40	N	N	3
TZS31A12	N	20	N	200	N	65	N	N	3
TZS31A13	N	10	N	70	15	55	N	N	2
TZS31A15	N	30	N	150	N	65	N	N	N
TZS31A16	N	20	N	150	15	70	N	N	N
TZS31A17	N	20	N	150	10	40	N	N	3
TZS31A20	N	20	N	300	N	60	N	N	2
TZS31A21	N	10	N	150	N	60	N	N	1
TZS31A22	N	10	N	70	N	70	N	N	N
TZS31A23	N	15	N	100	N	60	N	N	N
TZS31A24	N	50	N	100	N	70	N	N	2
TZS31A25	N	20	N	150	15	55	N	N	3
TZS31A26	N	15	N	150	N	70	N	N	N
TZS31A27	N	15	N	200	N	70	.1	N	N
TZS31A28	N	70	N	150	22	50	N	N	3
TZS31A29	N	20	N	200	N	70	.1	N	N
TZS31C01	N	20	N	300	<10	60	N	N	4
TZS31C02	N	20	N	70	<10	75	N	N	4
TZS32B01	N	30	200	150	30	100	N	N	12
TZS32B05	N	30	N	300	N	100	N	N	1
TZS32B08	N	20	<200	100	50	150	N	N	7
TZS32C02	N	30	N	200	<5	75	N	N	2
TZS32C04	N	20	N	100	<5	50	N	N	2
TZS33001	N	20	N	200	15	40	.1	N	3
TZS33002	N	30	N	300	10	60	<.1	N	2
TZS33008	N	20	N	150	5	65	N	N	3
TZS34016	N	30	N	200	5	50	.1	N	<2
TZS34019	N	20	N	200	5	50	.1	N	N
TZS34020	N	20	N	300	5	45	.1	N	N
TZS34023	N	20	N	150	10	50	.1	N	<2
TZS34024	N	20	N	150	5	55	.2	N	N
TZS35A02	N	20	N	100	5	70	.2	N	<2
TZS35A03	N	20	N	300	10	60	.2	N	N
TZS35A04	N	20	N	200	5	70	.2	N	N
TZS35B01	N	50	700	700	5	190	.3	N	N
TZS35B02	N	20	N	700	25	100	.2	N	2
TZS35B03	N	20	N	700	<5	110	.4	N	N
TZS35B04	N	20	500	500	N	140	.4	N	N
TZS35B09	N	30	N	300	40	65	.2	N	5
TZS35B11	N	10	N	100	N	45	.3	N	N
TZS35B13	N	20	N	300	5	55	.2	N	N
TZS35B15	N	20	N	150	N	55	.4	N	N

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s
TZS35B17	38 29 38	116 51 2	2.0	.70	1.0	.30	1,000	N	50	1,000	5.0
TZS35B18	38 24 30	116 48 8	10.0	.30	1.0	.30	2,000	N	15	1,500	5.0
TZS35C04	38 19 22	116 51 56	15.0	.50	1.5	.70	1,500	N	50	2,000	5.0
TZS35C06	38 18 58	116 50 8	>20.0	.70	2.0	1.00	2,000	N	10	2,000	5.0
TZS35D01	38 18 26	116 54 28	5.0	.70	1.5	.50	1,000	N	100	1,500	7.0
TZS35D05	38 22 26	116 53 48	5.0	.50	1.0	.30	1,000	.5	50	2,000	5.0
TZS35D06	38 22 26	116 53 54	3.0	.70	1.0	.30	1,000	.5	70	1,500	5.0
TZS41A02	38 10 34	117 54 48	10.0	5.00	5.0	.30	2,000	<.5	70	1,500	2.0
TZS41A03	38 11 2	117 52 54	10.0	3.00	5.0	.50	1,500	<.5	100	1,500	1.0
TZS41A04	38 11 18	117 54 8	10.0	2.00	5.0	.20	1,500	N	150	1,500	2.0
TZS41A05	38 12 18	117 56 20	10.0	5.00	7.0	.30	1,500	N	100	1,500	1.5
TZS41A06	38 13 32	117 56 2	7.0	2.00	5.0	.30	2,000	1.0	100	1,500	3.0
TZS41A07	38 14 24	117 56 32	10.0	2.00	5.0	.30	1,500	<.5	100	1,000	2.0
TZS41A08	38 8 34	117 58 32	7.0	2.00	3.0	.50	1,500	20.0	200	1,500	2.0
TZS41B01	38 9 41	117 51 49	7.0	3.00	5.0	.50	1,500	.5	150	1,500	3.0
TZS41B02	38 13 34	117 49 34	7.0	2.00	2.0	.30	1,500	.7	70	700	2.0
TZS41B03	38 12 52	117 48 56	10.0	2.00	7.0	.50	1,000	.5	70	1,000	2.0
TZS41B04	38 12 6	117 46 14	10.0	2.00	7.0	.50	1,500	.5	70	1,000	2.0
TZS41C01	38 4 46	117 46 14	5.0	1.00	2.0	.20	1,500	.5	100	1,500	3.0
TZS41C02	38 3 56	117 47 36	5.0	1.00	2.0	.20	700	N	50	700	1.5
TZS41C03	38 3 36	117 49 54	7.0	2.00	5.0	.20	1,000	1.0	150	1,500	3.0
TZS41C04	38 4 34	117 50 29	7.0	1.50	3.0	.20	1,000	1.5	200	1,500	3.0
TZS41C05	38 3 4	117 52 14	10.0	3.00	5.0	.30	1,000	.7	100	1,500	1.0
TZS41D01	38 4 46	117 53 8	5.0	2.00	3.0	.20	1,500	.7	100	1,000	3.0
TZS41D02	38 6 16	117 53 6	7.0	2.00	5.0	.30	1,500	.5	100	1,500	3.0
TZS42A01	38 7 34	117 38 6	15.0	3.00	7.0	.50	3,000	1.0	100	2,000	2.0
TZS42A02	38 8 6	117 38 8	5.0	1.00	3.0	.50	1,500	N	70	1,000	3.0
TZS42A03	38 8 18	117 37 46	7.0	1.50	3.0	.50	1,500	<.5	100	1,500	5.0
TZS42A04	38 9 15	117 37 56	15.0	3.00	3.0	.70	2,000	1.0	70	1,500	1.5
TZS42A05	38 11 52	117 38 42	7.0	2.00	2.0	.50	2,000	5.0	150	1,500	1.5
TZS42A06	38 12 18	117 38 14	7.0	2.00	5.0	.50	2,000	.7	70	2,000	2.0
TZS42A08	38 13 24	117 41 48	10.0	2.00	7.0	.20	1,500	N	100	1,000	2.0
TZS42A09	38 10 18	117 44 42	5.0	1.50	5.0	.20	1,500	N	50	1,000	2.0
TZS42A10	38 13 46	117 44 44	10.0	1.50	5.0	.30	1,000	N	50	700	1.5
TZS42B01	38 10 14	117 37 0	5.0	2.00	3.0	.30	1,500	.5	100	1,000	3.0
TZS42B02	38 14 41	117 36 8	5.0	1.50	2.0	.30	1,500	.5	100	1,000	7.0
TZS42B03	38 13 12	117 37 4	5.0	2.00	2.0	.50	2,000	N	50	1,500	5.0
TZS42C01	38 0 6	117 31 9	5.0	1.00	1.0	.50	1,000	N	100	1,000	7.0
TZS42C03	38 1 4	117 32 16	5.0	1.00	1.5	.50	1,000	N	70	1,000	5.0
TZS42C05	38 1 32	117 33 8	5.0	3.00	7.0	.30	1,000	.5	100	1,000	5.0
TZS42C07	38 3 44	117 30 46	7.0	.70	1.5	.50	700	N	50	1,000	7.0
TZS42C09	38 4 8	117 30 8	5.0	1.00	2.0	.50	1,000	.5	70	1,000	5.0
TZS42D01	38 6 2	117 38 22	10.0	5.00	7.0	.30	2,000	1.0	100	2,000	2.0
TZS42D02	38 5 36	117 38 48	10.0	3.00	5.0	.30	1,500	.5	70	1,500	3.0
TZS42D03	38 4 46	117 40 4	15.0	3.00	5.0	.50	2,000	1.0	100	1,500	2.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TZS35B17	10	30	10	100	N	N	15	30	10	500	100
TZS35B18	20	30	7	50	N	<20	5	20	10	700	200
TZS35C04	20	50	7	500	N	20	7	30	10	700	300
TZS35C06	50	100	5	700	N	N	10	50	10	700	500
TZS35D01	20	50	10	70	N	20	15	50	15	500	150
TZS35D05	15	50	10	50	N	N	10	50	10	500	150
TZS35D06	15	50	15	50	N	<20	20	50	10	500	100
TZS41A02	30	200	30	30	N	N	30	150	15	700	150
TZS41A03	50	100	30	50	N	<20	50	100	15	1,000	150
TZS41A04	30	100	30	50	10	N	50	70	15	1,000	150
TZS41A05	50	300	30	50	5	<20	70	200	20	1,000	150
TZS41A06	20	100	20	70	N	<20	30	150	15	1,000	100
TZS41A07	20	150	30	50	N	<20	50	70	20	700	150
TZS41A08	20	150	70	70	20	20	70	150	15	500	150
TZS41B01	20	70	30	70	N	<20	50	100	15	1,000	150
TZS41B02	20	100	20	70	N	20	30	100	15	500	100
TZS41B03	30	100	30	70	5	<20	50	100	15	1,000	150
TZS41B04	30	100	30	70	7	20	50	70	15	700	150
TZS41C01	20	150	30	50	7	<20	50	150	10	700	100
TZS41C02	15	50	10	100	N	<20	20	100	7	500	70
TZS41C03	20	150	50	30	10	N	50	100	10	700	100
TZS41C04	20	150	50	100	15	<20	70	100	15	700	150
TZS41C05	30	150	30	50	20	N	50	70	20	1,000	150
TZS41D01	15	70	20	150	N	N	30	100	10	700	100
TZS41D02	20	70	50	50	15	<20	50	100	10	700	150
TZS42A01	50	200	50	100	N	N	70	150	20	1,000	200
TZS42A02	15	70	20	70	N	<20	20	30	15	500	150
TZS42A03	20	100	30	70	N	<20	50	100	15	700	200
TZS42A04	50	200	50	100	5	20	70	150	20	700	300
TZS42A05	50	150	50	100	7	<20	100	150	15	500	200
TZS42A06	20	70	30	100	10	N	50	70	20	700	200
TZS42A08	20	70	30	50	5	N	15	70	15	700	150
TZS42A09	30	70	20	50	N	N	20	100	10	700	100
TZS42A10	20	100	20	100	N	<20	30	70	15	500	150
TZS42B01	15	100	30	50	5	20	20	200	10	500	100
TZS42B02	15	70	30	30	N	<20	20	50	10	700	150
TZS42B03	30	70	30	70	5	N	30	30	20	1,000	200
TZS42C01	20	70	20	70	N	20	20	50	15	500	100
TZS42C03	15	70	20	100	N	<20	20	50	15	500	150
TZS42C05	20	70	50	50	5	N	30	70	15	500	100
TZS42C07	15	50	30	50	N	20	15	50	10	500	150
TZS42C09	20	70	30	70	N	<20	30	70	10	500	100
TZS42D01	30	150	50	100	20	N	50	200	20	1,000	150
TZS42D02	30	200	30	100	7	N	70	50	20	1,000	200
TZS42D03	50	300	70	100	N	<20	70	100	20	1,000	200

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TZS35B17	N	20	N	200	N	50	.3	N	N
TZS35B18	N	15	500	150	5	160	.1	N	N
TZS35C04	N	70	N	1,000	5	100	.1	N	N
TZS35C06	N	30	700	700	10	190	.2	N	2
TZS35D01	N	30	N	500	10	50	.2	N	N
TZS35D05	N	20	N	500	20	60	.2	N	N
TZS35D06	N	30	N	500	20	60	.3	N	<2
TZS41A02	N	20	N	70	<10	65	.4	N	6
TZS41A03	N	20	N	100	10	60	.7	N	6
TZS41A04	N	20	N	70	20	65	.7	N	16
TZS41A05	N	20	N	150	10	95	.2	N	4
TZS41A06	N	20	N	150	20	95	.5	N	6
TZS41A07	N	15	N	100	10	55	N	N	8
TZS41A08	N	30	N	100	30	60	.9	N	4
TZS41B01	N	20	N	70	10	75	.7	N	6
TZS41B02	N	20	N	100	10	60	.4	N	4
TZS41B03	N	20	N	100	<10	55	.5	N	6
TZS41B04	N	20	N	100	20	65	.7	N	4
TZS41C01	N	20	N	70	20	45	.4	N	4
TZS41C02	N	15	N	70	<10	40	.2	N	N
TZS41C03	N	20	N	150	20	60	N	N	4
TZS41C04	N	20	N	150	20	45	.7	N	4
TZS41C05	N	15	N	100	20	65	.4	N	4
TZS41D01	N	15	N	70	10	55	.8	N	2
TZS41D02	N	15	N	70	10	65	.7	N	4
TZS42A01	N	30	300	100	10	80	N	N	4
TZS42A02	N	30	N	100	10	55	.3	N	4
TZS42A03	N	30	N	150	10	60	N	N	4
TZS42A04	N	30	N	300	<10	90	N	N	2
TZS42A05	N	20	N	100	60	70	N	N	6
TZS42A06	N	30	N	500	20	100	N	N	4
TZS42A08	N	20	200	70	20	60	.9	N	6
TZS42A09	N	20	N	70	20	60	.6	N	4
TZS42A10	N	20	N	100	20	70	.8	N	4
TZS42B01	N	30	N	70	<10	50	N	N	2
TZS42B02	N	20	N	150	<5	45	N	N	4
TZS42B03	N	30	N	100	10	40	N	N	3
TZS42C01	N	20	N	200	15	80	.2	N	<2
TZS42C03	N	20	N	300	10	70	.2	N	N
TZS42C05	N	30	N	200	20	30	.3	N	<2
TZS42C07	N	50	N	300	10	75	.2	N	2
TZS42C09	N	20	N	200	15	75	.3	N	3
TZS42D01	N	30	N	100	70	70	N	N	8
TZS42D02	N	20	N	150	10	85	N	N	6
TZS42D03	N	30	N	150	10	50	N	N	6

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TZS42D04	38 5 32	117 40 45	10.0	5.00	5.0	.50	2,000	1.0	150	1,500	3.0
TZS42D05	38 5 14	117 41 46	7.0	2.00	2.0	.30	1,500	1.0	70	1,000	2.0
TZS43001	38 11 0	117 16 45	3.0	1.00	3.0	.50	1,000	N	100	1,500	5.0
TZS43003	38 13 0	117 19 0	5.0	1.50	3.0	.50	700	.5	100	1,500	5.0
TZS43006	38 2 30	117 27 0	20.0	.70	2.0	.50	1,000	N	30	1,000	5.0
TZS44001	38 13 26	117 11 20	3.0	1.00	1.5	.30	1,000	N	70	1,500	5.0
TZS44004	38 12 32	117 7 24	3.0	1.00	2.0	.30	1,500	N	70	1,000	5.0
TZS44005	38 10 40	117 10 48	2.0	.70	1.5	.20	700	N	50	1,000	5.0
TZS44006	38 10 38	117 10 52	3.0	1.00	1.5	.30	1,000	N	150	1,000	5.0
TZS44010	38 11 6	117 1 2	10.0	2.00	5.0	.70	2,000	1.5	100	2,000	3.0
TZS44011	38 9 48	117 2 50	7.0	2.00	5.0	.30	2,000	3.0	100	2,000	3.0
TZSA0117	38 23 7	117 51 22	3.0	2.00	15.0	.15	2,000	1.0	50	500	2.0
TZSS0001	38 9 38	117 42 15	15.0	2.00	2.0	.70	2,000	N	100	5,000	3.0
TZSS0002	38 8 56	117 41 38	7.0	1.50	1.5	.50	1,000	N	50	1,000	5.0
TZSS0003	38 10 5	117 42 46	5.0	1.00	2.0	.50	1,000	.5	100	1,000	10.0
TZSS0004	38 10 24	117 42 30	7.0	2.00	1.0	.30	1,000	.5	50	700	2.0
TZSS0005	38 10 14	117 41 56	7.0	2.00	1.5	.50	1,500	.7	100	1,000	7.0
TZSS0006	38 9 57	117 41 9	7.0	3.00	3.0	.50	1,500	2.0	100	1,500	5.0
TZSS0007	38 9 55	117 40 47	7.0	1.00	1.5	.30	1,000	20.0	100	1,000	3.0
TZSS0008	38 10 34	117 41 4	5.0	2.00	2.0	.30	1,500	.5	100	1,000	5.0
TZSS0009	38 10 58	117 41 44	10.0	2.00	3.0	.30	1,000	.7	70	1,000	5.0
TZSS0010	38 11 11	117 42 8	7.0	1.50	2.0	.30	1,000	N	70	1,000	5.0
TZSS0011	38 11 23	117 42 29	7.0	2.00	2.0	.30	1,000	.5	100	1,000	5.0
TZSS0013	38 23 24	117 53 50	5.0	2.00	10.0	.20	1,000	N	150	500	3.0
TZSS0014	38 23 20	117 53 34	5.0	3.00	7.0	.20	700	.5	70	300	1.5
TZSS0015	38 23 24	117 53 9	7.0	5.00	10.0	.20	1,500	2.0	100	700	3.0
TZSS0016	38 10 39	117 43 3	7.0	2.00	2.0	.30	1,000	1.0	70	1,000	5.0
TZSS0017	38 10 53	117 42 25	5.0	1.00	1.0	.30	700	.5	70	1,000	2.0
TZSS0018	38 11 14	117 42 34	7.0	1.50	1.5	.50	1,500	3.0	100	1,500	7.0
TZSS0019	38 11 40	117 43 9	10.0	2.00	2.0	.70	1,500	N	70	1,500	5.0
TZSS0021	38 11 52	117 42 32	7.0	2.00	3.0	.50	1,000	N	70	1,000	5.0
TZSS0035	38 23 44	117 53 33	5.0	2.00	5.0	.20	700	N	70	200	1.0
TZSS0036	38 23 31	117 53 0	5.0	3.00	10.0	.20	1,000	.5	150	500	7.0
TZSS0038	38 23 37	117 52 10	7.0	3.00	10.0	.30	1,500	<.5	100	1,000	3.0
TZSS0039	38 23 31	117 52 39	5.0	3.00	10.0	.20	1,000	<.5	100	300	2.0
TZSS0040	38 23 21	117 53 5	7.0	5.00	10.0	.20	1,000	.5	100	500	2.0
TZSS0041	38 23 16	117 52 42	5.0	3.00	7.0	.20	1,000	.5	100	300	1.5
TZSS0042	38 23 9	117 53 15	7.0	1.50	1.5	.30	1,000	1.0	70	700	7.0
TZSS0043	38 23 8	117 53 0	7.0	3.00	5.0	.50	1,500	2.0	70	700	3.0
TZSS0045	38 23 17	117 52 18	7.0	3.00	10.0	.20	1,500	1.0	100	700	2.0
TZSS0053	38 9 13	117 41 35	10.0	2.00	2.0	.70	1,500	N	100	2,000	7.0

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sc-ppm s	Sr-ppm s	V-ppm s
TZS42D04	50	200	70	70	20	<20	100	150	20	1,000	200
TZS42D05	30	150	30	70	15	<20	70	70	15	700	150
TZS43001	20	70	15	70	5	<20	20	30	10	700	150
TZS43003	20	50	15	50	N	<20	20	20	15	1,000	150
TZS43006	20	70	30	150	N	20	15	50	10	300	200
TZS44001	10	70	15	200	N	N	20	15	10	700	150
TZS44004	20	70	20	70	N	N	30	20	15	700	150
TZS44005	10	30	7	50	N	N	15	100	7	700	100
TZS44006	15	70	20	50	N	N	20	30	15	700	150
TZS44010	20	30	30	150	<5	<20	20	100	15	1,000	150
TZS44011	20	30	30	100	N	N	20	100	10	1,000	100
TZSA0117	15	50	50	100	10	N	20	70	7	1,000	100
TZSS0001	70	500	70	70	10	20	100	200	20	500	700
TZSS0002	30	100	20	30	N	N	50	30	15	500	300
TZSS0003	20	100	30	50	N	N	50	70	15	500	200
TZSS0004	20	100	30	<20	N	N	30	150	10	300	200
TZSS0005	20	100	50	70	5	20	70	150	15	500	200
TZSS0006	50	200	70	30	20	<20	70	300	15	700	200
TZSS0007	30	150	150	20	30	N	100	1,500	10	200	200
TZSS0008	20	70	20	50	N	N	30	70	10	500	150
TZSS0009	30	150	20	30	N	N	30	150	15	500	200
TZSS0010	20	100	20	50	N	<20	70	70	15	500	200
TZSS0011	20	150	50	50	10	<20	70	100	10	500	200
TZSS0013	15	100	50	20	N	N	70	70	10	700	150
TZSS0014	15	100	30	20	N	N	30	100	10	500	100
TZSS0015	20	150	70	20	N	N	30	100	10	700	100
TZSS0016	30	200	50	50	N	N	50	200	10	500	200
TZSS0017	20	100	50	30	10	20	70	150	10	300	150
TZSS0018	20	100	50	50	7	N	50	100	15	700	200
TZSS0019	50	150	30	50	7	<20	70	100	15	500	300
TZSS0021	30	150	20	30	N	20	50	100	10	500	200
TZSS0035	15	200	20	20	N	N	70	70	5	500	50
TZSS0036	20	150	50	50	N	N	50	70	7	700	100
TZSS0038	30	200	30	30	10	N	50	70	15	1,000	150
TZSS0039	15	100	20	20	N	N	30	70	7	700	70
TZSS0040	20	100	50	50	N	N	50	70	10	700	100
TZSS0041	20	70	70	30	N	N	30	100	5	700	100
TZSS0042	20	70	100	50	70	N	20	150	10	500	200
TZSS0043	20	100	70	50	70	N	30	200	10	700	200
TZSS0045	20	150	70	30	70	N	50	200	7	700	100
TZSS0053	70	200	50	70	20	30	100	100	20	500	300

TABLE 3.--SPECTROGRAPHIC AND CHEMICAL ANALYSES OF -60 MESH (0.25 MM) STREAM-SEDIMENT SAMPLES FROM THE TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TZS42D04	N	30	N	200	10	65	.3	N	4
TZS42D05	N	20	N	150	10	65	.2	N	4
TZS43001	N	30	N	200	20	45	.2	N	2
TZS43003	N	30	N	300	20	40	.1	N	<2
TZS43006	N	50	N	700	15	80	.2	N	N
TZS44001	N	20	N	150	<5	35	.1	N	3
TZS44004	N	30	N	200	5	50	.1	N	N
TZS44005	N	15	N	70	5	45	.1	N	N
TZS44006	N	20	N	150	<5	45	.2	N	N
TZS44010	N	30	N	150	<10	50	N	N	N
TZS44011	N	20	N	150	<10	50	.5	N	N
TZSA0117	70	20	500	150	30	>2,000	2.5	7	1
TZSS0001	N	50	200	500	15	210	N	N	4
TZSS0002	N	15	N	200	15	110	.1	N	3
TZSS0003	N	50	N	300	30	60	.1	N	1
TZSS0004	N	15	N	150	50	90	.4	N	7
TZSS0005	N	50	N	700	50	100	.4	N	5
TZSS0006	N	20	N	200	100	150	.9	N	7
TZSS0007	N	30	500	150	400	>2,000	15.0	N	70
TZSS0008	N	30	N	200	25	110	.2	N	2
TZSS0009	N	20	N	>1,000	25	90	.2	N	2
TZSS0010	N	20	N	200	30	90	.2	N	4
TZSS0011	N	30	N	200	30	95	.2	N	2
TZSS0013	N	20	N	100	55	45	.1	N	5
TZSS0014	N	15	N	100	40	60	.2	2	3
TZSS0015	150	20	N	100	30	100	.5	4	4
TZSS0016	N	20	N	150	50	115	.3	N	3
TZSS0017	N	30	N	200	75	90	.3	N	2
TZSS0018	N	30	N	150	50	75	.1	N	5
TZSS0019	N	30	N	200	25	90	.1	N	6
TZSS0021	N	20	N	200	30	90	.1	N	2
TZSS0035	N	10	N	100	60	45	N	N	9
TZSS0036	N	20	200	100	65	180	.4	N	2
TZSS0038	100	20	N	200	40	170	.6	N	4
TZSS0039	700	15	300	100	45	>2,000	1.6	N	4
TZSS0040	N	20	N	150	25	80	.2	N	5
TZSS0041	N	20	N	100	40	60	.1	N	N
TZSS0042	700	20	N	150	20	175	1.0	4	1
TZSS0043	200	20	N	150	25	>2,000	1.9	N	4
TZSS0045	500	20	N	100	45	90	1.5	3	4
TZSS0053	N	50	N	500	15	105	N	N	N

Table 4.--Statistical summary of analytical results for 986 stream-sediment samples Tonopah quadrangle, Nevada. Abbreviations: B, not determined; L, less than limit of determination; N, not detected at limit of determination

Var	Column	Minimum	Maximum	Geometric mean	Geometric deviation	Valid	B	L	N	G
3	S-Fe%	.70	20.0	3.75	1.77	985	0	0	0	1
4	S-Mg%	.10	7.0	.82	1.89	986	0	0	0	0
5	S-Ca%	.20	20.0	1.52	1.87	986	0	0	0	0
6	S-Ti%	.10	1.0	.34	1.60	970	0	0	0	16
7	S-Mn	50.0	3000.0	923.	1.52	985	0	0	0	1
8	S-Ag	.50	150.0	1.01	3.06	169	0	50	767	0
9	S-As	500.0	500.0	500.	***	1	0	0	985	0
10	S-Au	***	***	***	***	0	0	0	986	0
11	S-B	10.0	300.0	55.3	1.83	985	0	1	0	0
12	S-Ba	200.0	5000.0	1025.	1.53	984	0	0	0	2
13	S-Be	1.0	50.0	3.80	1.77	978	0	8	0	0
14	S-Bi	10.0	20.0	11.8	1.30	9	0	1	976	0
15	S-Cd	20.0	70.0	37.4	2.42	2	0	0	984	0
16	S-Co	5.0	70.0	13.1	1.74	978	0	7	1	0
17	S-Cr	10.0	1500.0	46.3	2.26	967	0	18	1	0
18	S-Cu	5.0	150.0	15.6	2.18	936	0	45	5	0
19	S-La	20.0	1000.0	70.3	2.18	974	0	10	2	0
20	S-Mo	5.0	200.0	8.6	1.79	198	0	13	775	0
21	S-Nb	20.0	100.0	24.0	1.37	99	0	172	715	0
22	S-Ni	5.0	150.0	18.8	2.16	946	0	37	3	0
23	S-Pb	10.0	1500.0	32.7	1.85	986	0	0	0	0
24	S-Sb	100.0	200.0	141.	1.49	4	0	0	982	0
25	S-Sc	5.0	30.0	9.8	1.41	984	0	2	0	0
26	S-Sn	10.0	100.0	20.7	2.32	6	0	0	980	0
27	S-Sr	100.0	1500.0	469.	1.54	986	0	0	0	0
28	S-V	15.0	700.0	121.	1.74	986	0	0	0	0
29	S-W	70.0	700.0	228.	2.60	10	0	2	974	0
30	S-Y	10.0	100.0	21.5	1.45	986	0	0	0	0
31	S-Zn	200.0	1000.0	325.	1.66	54	0	19	913	0
32	S-Zr	20.0	1000.0	213.	2.03	954	0	0	18	14
33	S-Th	100.0	100.0	100.0	***	1	0	1	984	0
34	AA-As	4.0	400.0	17.0	2.33	610	1	144	221	0
35	AA-Zn	5.0	500.0	60.2	1.59	962	11	0	7	6
36	AA-Cd	.10	15.0	.27	2.13	636	11	5	334	0
37	AA-Bi	1.0	15.0	3.3	2.43	18	30	1	937	0
38	AA-Sb	1.0	70.0	2.8	1.94	494	19	43	429	1

TABLE 5.--ANALYTICAL DATA FOR SIX SIZE FRACTIONS OF STREAM-SEDIMENT SAMPLES, TONOPAH 1X 2 DEGREE QUADRANGLE, NEVADA
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TH0003SA	5.0	1.00	1.5	.30	1,500	<.5	N	N	70	1,500	3
TH0003SB	7.0	1.00	1.5	.30	1,000	.5	N	N	70	1,500	2
TH0003SC	5.0	1.00	1.5	.30	1,000	<.5	N	N	50	1,500	2
TH0003SD	5.0	1.00	1.5	.30	1,000	<.5	N	N	70	1,500	2
TH0003SE	7.0	1.00	1.5	.50	1,000	<.5	N	N	70	1,000	3
TH0003SF	5.0	1.50	1.5	.50	1,000	.5	N	N	70	1,000	2
TH0006SA	3.0	.30	.7	.20	1,000	N	N	N	50	1,500	2
TH0006SB	5.0	.50	.7	.30	1,000	N	N	N	50	1,500	2
TH0006SC	5.0	.50	1.0	.50	1,000	N	N	N	50	1,500	3
TH0006SD	5.0	.50	1.0	.50	1,000	N	N	N	50	1,000	3
TH0006SE	5.0	.70	1.0	.50	1,000	N	N	N	70	1,000	3
TH0006SF	3.0	1.00	1.0	.30	1,000	N	N	N	70	1,000	5
TH0010SA	2.0	.30	.7	.20	1,000	N	N	N	50	1,000	2
TH0010SB	5.0	.50	1.0	.30	1,000	N	N	N	50	1,000	3
TH0010SC	3.0	.50	1.0	.30	1,000	N	N	N	50	1,000	3
TH0010SD	5.0	.70	1.0	.30	1,000	N	N	N	50	1,000	3
TH0010SE	5.0	.70	1.0	.30	1,000	N	N	N	50	1,000	3
TH0010SF	5.0	1.00	1.5	.50	1,000	N	N	N	70	1,000	3
TH0015SA	10.0	1.00	2.0	.50	2,000	N	N	N	50	1,500	3
TH0015SB	10.0	1.00	2.0	.50	2,000	N	N	N	50	1,500	3
TH0015SC	7.0	1.00	1.5	.30	1,500	N	N	N	50	1,500	3
TH0015SD	3.0	.70	1.5	.20	700	N	N	N	50	1,000	3
TH0015SE	5.0	1.00	2.0	.30	1,000	N	N	N	50	1,000	3
TH0015SF	7.0	1.00	1.0	.50	1,000	.5	N	N	70	1,000	3
TH0020SA	5.0	.30	1.0	.30	1,000	5.0	N	N	50	1,500	5
TH0020SB	7.0	.30	1.0	.50	2,000	20.0	N	N	50	1,000	5
TH0020SC	7.0	.50	1.0	.50	3,000	100.0	N	N	70	1,000	5
TH0020SD	7.0	.50	1.0	.50	5,000	100.0	N	N	50	1,000	7
TH0020SE	5.0	.70	1.0	.50	5,000	200.0	N	N	70	1,000	5
TH0020SF	5.0	1.00	1.0	.50	5,000	200.0	N	N	100	700	7
TH0028SA	1.0	.50	.7	.10	700	<.5	N	N	50	500	5
TH0028SB	1.0	.50	1.0	.10	700	<.5	N	N	70	500	5
TH0028SC	2.0	1.00	1.0	.20	1,000	.5	N	N	70	700	5
TH0028SD	2.0	1.00	1.0	.20	700	.5	N	N	70	700	5
TH0028SE	3.0	1.00	1.0	.30	700	<.5	N	N	70	700	3
TH0028SF	3.0	1.00	1.0	.30	1,000	.5	N	N	70	500	5
TH0042SA	7.0	1.50	1.5	.50	700	<.5	N	N	200	1,000	2
TH0042SB	5.0	1.50	1.5	.50	700	<.5	N	N	200	1,000	2
TH0042SC	5.0	1.50	1.5	.50	1,000	<.5	N	N	200	1,000	2
TH0042SD	5.0	1.50	1.5	.50	1,000	<.5	N	N	150	1,000	2
TH0042SE	5.0	1.50	1.5	.50	1,000	.5	N	N	150	1,000	2
TH0042SF	7.0	1.50	2.0	.50	1,500	.7	N	N	200	1,000	3
TH0072SA	2.0	.70	.7	.20	500	N	N	N	30	700	3
TH0072SB	2.0	.70	.7	.20	500	N	N	N	50	700	3
TH0072SC	3.0	1.00	.7	.30	700	N	N	N	50	700	3
TH0072SD	3.0	1.00	.7	.30	700	N	N	N	50	700	3
TH0072SE	2.0	.70	.7	.30	500	N	N	N	50	700	3
TH0072SF	3.0	1.00	1.0	.30	700	N	N	N	70	700	3

TABLE 5.--ANALYTICAL DATA FOR SIX SIZE FRACTIONS OF STREAM-SEDIMENT SAMPLES, TONOPAH 1X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
TH0003SA	N	N	20	70	20	100	N	<20	50	70	N
TH0003SB	N	N	20	70	20	70	N	<20	50	70	N
TH0003SC	N	N	20	70	20	50	N	<20	30	50	N
TH0003SD	N	N	15	70	20	50	N	<20	30	50	N
TH0003SE	N	N	20	70	20	50	N	<20	30	50	N
TH0003SF	N	N	20	70	30	50	N	20	50	100	N
TH0006SA	N	N	10	15	10	200	N	<20	10	50	N
TH0006SB	N	N	10	15	10	150	N	<20	10	50	N
TH0006SC	N	N	10	30	15	150	N	20	10	50	N
TH0006SD	N	N	10	20	20	150	N	20	15	50	N
TH0006SE	N	N	10	20	20	150	N	<20	15	50	N
TH0006SF	N	N	10	50	20	70	N	<20	15	70	N
TH0010SA	N	N	10	15	10	150	N	<20	10	30	N
TH0010SB	N	N	15	20	10	150	N	20	15	50	N
TH0010SC	N	N	10	20	10	200	N	20	10	50	N
TH0010SD	N	N	15	30	15	150	N	20	10	50	N
TH0010SE	N	N	10	20	15	100	N	<20	10	50	N
TH0010SF	N	N	15	50	30	100	N	20	15	70	N
TH0015SA	N	N	30	70	15	100	N	20	20	70	N
TH0015SB	N	N	30	70	20	100	N	<20	20	70	N
TH0015SC	N	N	20	50	15	70	N	<20	20	70	N
TH0015SD	N	N	10	50	10	50	N	N	15	30	N
TH0015SE	N	N	15	50	20	70	N	<20	20	50	N
TH0015SF	N	N	20	70	70	70	N	<20	20	70	N
TH0020SA	N	N	7	15	10	200	5	<20	5	50	N
TH0020SB	N	N	10	15	50	500	7	20	5	50	N
TH0020SC	N	N	15	20	70	700	10	20	7	70	N
TH0020SD	N	N	10	20	150	700	10	<20	10	100	N
TH0020SE	N	N	20	20	150	500	10	<20	30	150	N
TH0020SF	N	N	15	15	150	100	10	<20	20	300	N
TH0028SA	N	N	5	10	<5	50	N	<20	7	50	N
TH0028SB	N	N	7	10	7	50	N	<20	10	70	N
TH0028SC	N	N	10	20	10	50	N	<20	15	70	N
TH0028SD	N	N	15	30	10	100	N	<20	20	50	N
TH0028SE	N	N	15	30	10	150	7	<20	15	50	N
TH0028SF	N	N	15	50	20	100	10	<20	20	70	N
TH0042SA	N	N	30	150	70	70	N	<20	100	30	N
TH0042SB	N	N	30	150	70	70	N	<20	100	50	N
TH0042SC	N	N	30	150	50	70	N	<20	100	50	N
TH0042SD	N	N	30	150	50	50	N	<20	70	50	N
TH0042SE	N	N	20	150	30	70	N	20	70	50	N
TH0042SF	N	N	30	150	50	70	N	20	100	70	N
TH0072SA	N	N	7	30	5	50	N	<20	10	20	N
TH0072SB	N	N	10	30	10	70	N	<20	10	30	N
TH0072SC	N	N	10	50	7	100	N	<20	15	30	N
TH0072SD	N	N	10	30	7	100	N	<20	15	50	N
TH0072SE	N	N	10	30	10	100	N	20	15	50	N
TH0072SF	N	N	15	50	10	50	N	20	20	20	N

TABLE 5.--ANALYTICAL DATA FOR SIX SIZE FRACTIONS OF STREAM-SEDIMENT SAMPLES, TONOPAH 1X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
TH0003SA	7	N	1,000	150	N	20	N	200	N
TH0003SB	10	N	1,000	150	N	20	N	200	N
TH0003SC	7	N	1,000	100	N	20	N	150	N
TH0003SD	7	N	700	100	N	20	N	150	N
TH0003SE	10	N	700	150	N	20	N	300	N
TH0003SF	10	N	700	100	N	20	N	500	N
TH0006SA	5	N	200	50	N	20	N	200	N
TH0006SB	5	N	200	70	N	20	N	200	N
TH0006SC	7	N	200	100	N	20	N	300	N
TH0006SD	7	N	200	100	N	20	N	300	N
TH0006SE	7	N	300	100	N	20	N	500	N
TH0006SF	7	N	300	100	N	30	N	500	N
TH0010SA	5	N	200	50	N	20	N	200	N
TH0010SB	5	N	200	70	N	30	N	200	N
TH0010SC	5	N	300	70	N	20	N	300	N
TH0010SD	5	N	300	100	N	20	N	300	N
TH0010SE	5	N	500	100	N	20	N	500	N
TH0010SF	7	N	500	150	N	30	N	500	N
TH0015SA	10	N	1,000	200	N	20	N	300	N
TH0015SB	10	N	1,000	200	N	20	N	300	N
TH0015SC	7	N	1,000	150	N	15	N	150	N
TH0015SD	7	N	700	70	N	15	N	100	N
TH0015SE	10	N	1,000	100	N	20	N	100	N
TH0015SF	10	N	700	150	N	30	N	300	N
TH0020SA	5	N	700	100	N	20	N	300	N
TH0020SB	5	N	700	100	N	20	N	300	N
TH0020SC	5	N	700	150	N	50	N	300	N
TH0020SD	5	N	700	150	N	50	<200	300	N
TH0020SE	5	10	500	100	N	30	500	300	N
TH0020SF	5	10	500	100	N	30	<200	1,000	N
TH0028SA	<5	N	200	20	N	10	N	70	N
TH0028SB	<5	N	300	30	N	10	N	70	N
TH0028SC	5	N	500	50	N	15	N	100	N
TH0028SD	5	N	500	70	N	15	N	150	N
TH0028SE	5	N	500	100	N	15	N	100	N
TH0028SF	7	N	500	100	N	20	N	300	N
TH0042SA	20	N	200	300	N	50	N	300	N
TH0042SB	20	N	200	200	N	30	N	200	N
TH0042SC	20	N	200	300	N	30	N	300	N
TH0042SD	15	N	300	200	N	30	N	500	N
TH0042SE	15	N	300	200	N	50	N	500	N
TH0042SF	20	N	300	200	N	50	N	500	N
TH0072SA	10	N	150	100	N	15	N	150	N
TH0072SB	10	N	200	100	N	20	N	200	N
TH0072SC	10	N	200	150	N	20	N	200	N
TH0072SD	10	N	200	150	N	20	N	300	N
TH0072SE	10	N	300	150	N	30	N	300	N
TH0072SF	10	N	200	100	N	30	N	500	N

TABLE 5.--ANALYTICAL DATA FOR SIX SIZE FRACTIONS OF STREAM-SEDIMENT SAMPLES, TONOPAH 1X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s	Ba-ppm s	Be-ppm s
TH0083SA	7.0	1.50	3.0	.50	1,000	N	N	N	20	1,000	5
TH0083SB	10.0	2.00	3.0	.50	1,500	N	N	N	30	1,000	5
TH0083SC	10.0	2.00	3.0	.50	1,500	<.5	N	N	30	1,000	5
TH0083SD	7.0	2.00	3.0	.50	1,500	<.5	N	N	30	700	5
TH0083SE	7.0	2.00	3.0	.50	1,500	<.5	N	N	50	1,000	5
TH0083SF	7.0	1.50	3.0	.50	1,500	.5	N	N	70	1,000	7
TH0084SA	7.0	1.50	.7	.50	700	.5	N	N	200	1,500	2
TH0084SB	7.0	1.50	1.0	.50	1,000	.5	N	N	200	1,500	2
TH0084SC	7.0	1.50	1.0	.50	1,000	<.5	N	N	200	1,500	2
TH0084SD	7.0	1.50	1.0	.50	1,000	.5	N	N	200	1,000	2
TH0084SE	7.0	1.50	1.0	.50	1,000	<.5	N	N	150	1,000	2
TH0084SF	7.0	2.00	1.5	.70	1,000	.5	N	N	150	1,000	3
TH0089SA	3.0	.30	.3	.30	1,000	N	N	N	70	700	2
TH0089SB	5.0	.30	.3	.50	1,500	N	N	N	70	1,000	2
TH0089SC	7.0	.30	.5	.50	1,500	N	N	N	70	1,000	3
TH0089SD	5.0	.50	.7	.50	1,000	N	N	N	70	1,000	3
TH0089SE	3.0	.70	1.0	.30	1,000	N	N	N	70	1,000	5
TH0089SF	5.0	1.00	1.0	.30	1,000	N	N	N	70	700	5
TH0090SA	2.0	.30	1.0	.15	500	N	N	N	70	1,000	3
TH0090SB	2.0	.30	1.0	.15	500	N	N	N	50	1,000	3
TH0090SC	2.0	.50	1.5	.20	700	N	N	N	50	1,000	5
TH0090SD	2.0	.70	1.5	.20	500	N	N	N	50	1,000	5
TH0090SE	2.0	.70	1.5	.30	700	N	N	N	50	1,000	5
TH0090SF	3.0	1.00	1.5	.50	1,000	N	N	N	70	1,000	5
TH0092SA	5.0	.30	.7	.70	300	N	N	N	70	2,000	7
TH0092SB	5.0	.30	1.0	.70	500	.5	N	N	70	2,000	7
TH0092SC	7.0	.30	1.0	.70	500	N	N	N	70	2,000	10
TH0092SD	7.0	.50	1.0	.70	500	<.5	N	N	70	1,500	10
TH0092SE	5.0	.70	1.0	.50	700	N	N	N	70	1,500	7
TH0092SF	5.0	1.00	1.0	.50	1,000	.5	N	N	200	1,500	7
TH0094SA	2.0	.20	.7	.30	300	N	N	N	30	2,000	10
TH0094SB	3.0	.30	1.0	.50	300	N	N	N	30	2,000	7
TH0094SC	5.0	.30	1.0	.50	300	N	N	N	50	1,500	10
TH0094SD	5.0	.30	1.0	.50	300	N	N	N	30	1,500	10
TH0094SE	5.0	.50	1.0	.50	500	N	N	N	50	1,500	10
TH0094SF	5.0	.70	1.0	.50	700	N	N	N	70	1,000	10
TH0096SA	1.5	.15	.5	.15	300	N	N	N	70	700	5
TH0096SB	1.5	.15	.5	.15	300	N	N	N	50	700	5
TH0096SC	2.0	.15	.3	.30	500	N	N	N	50	700	5
TH0096SD	3.0	.15	.3	.50	700	N	N	N	50	700	5
TH0096SE	2.0	.30	.7	.50	1,000	N	N	N	50	700	7
TH0096SF	2.0	1.00	1.0	.30	1,000	N	N	N	70	700	7

TABLE 5.--ANALYTICAL DATA FOR SIX SIZE FRACTIONS OF STREAM-SEDIMENT SAMPLES, TONOPAH 1X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
TH0083SA	N	N	20	20	50	200	N	<20	15	15	N
TH0083SB	N	N	30	30	70	200	N	20	20	30	N
TH0083SC	N	N	30	30	70	150	N	20	20	30	N
TH0083SD	N	N	30	30	70	100	N	<20	20	30	N
TH0083SE	N	N	30	50	50	100	N	20	20	50	N
TH0083SF	N	N	30	70	70	100	N	20	30	70	N
TH0084SA	N	N	50	500	70	50	N	20	100	70	N
TH0084SB	N	N	50	500	70	50	N	20	100	70	N
TH0084SC	N	N	30	500	70	50	N	20	100	50	N
TH0084SD	N	N	30	200	70	50	N	20	100	70	N
TH0084SE	N	N	30	150	70	50	N	<20	100	150	N
TH0084SF	N	N	30	200	100	70	N	<20	100	100	N
TH0089SA	N	N	15	20	10	70	N	<20	15	50	N
TH0089SB	N	N	15	20	20	100	7	20	15	50	N
TH0089SC	N	N	15	20	20	100	10	30	15	50	N
TH0089SD	N	N	15	30	30	100	7	30	15	50	N
TH0089SE	N	N	15	30	30	50	N	<20	20	50	N
TH0089SF	N	N	20	50	50	50	N	<20	30	50	N
TH0090SA	N	N	5	<10	<5	70	N	N	<5	20	N
TH0090SB	N	N	5	<10	<5	70	N	N	<5	30	N
TH0090SC	N	N	7	<10	<5	100	N	N	<5	20	N
TH0090SD	N	N	7	10	5	150	N	N	<5	30	N
TH0090SE	N	N	7	10	5	70	<5	<20	<5	20	N
TH0090SF	N	N	10	30	15	100	5	20	10	20	N
TH0092SA	N	N	10	10	10	300	N	30	<5	70	N
TH0092SB	N	N	7	10	15	500	N	30	<5	70	N
TH0092SC	N	N	10	15	15	700	N	50	<5	70	N
TH0092SD	N	N	10	20	15	1,000	N	30	5	70	N
TH0092SE	N	N	10	30	20	1,000	5	20	7	70	N
TH0092SF	N	N	15	50	50	300	7	20	20	70	N
TH0094SA	N	N	5	<10	7	200	N	20	<5	50	N
TH0094SB	N	N	7	<10	7	500	N	20	<5	50	N
TH0094SC	N	N	7	10	10	1,000	N	20	<5	50	N
TH0094SD	N	N	7	10	10	700	5	20	<5	50	N
TH0094SE	N	N	7	20	15	1,000	5	20	7	50	N
TH0094SF	N	N	10	30	30	500	7	20	10	50	N
TH0096SA	N	N	N	<10	<5	70	N	<20	5	30	N
TH0096SB	N	N	<5	<10	<5	70	N	<20	<5	30	N
TH0096SC	N	N	<5	<10	<5	200	N	20	<5	30	N
TH0096SD	N	N	5	15	<5	150	<5	30	<5	50	N
TH0096SE	N	N	7	10	5	150	<5	30	<5	50	N
TH0096SF	N	N	10	30	20	50	N	<20	10	70	N

TABLE 5.--ANALYTICAL DATA FOR SIX SIZE FRACTIONS OF STREAM-SEDIMENT SAMPLES, TONOPAH 1X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
TH0083SA	20	N	1,000	200	N	50	N	200	N
TH0083SB	30	N	1,000	300	N	50	N	300	N
TH0083SC	30	N	1,000	300	N	50	N	300	N
TH0083SD	20	N	1,000	200	N	50	N	200	N
TH0083SE	20	N	1,000	300	N	50	N	500	N
TH0083SF	20	N	700	200	N	50	N	500	N
TH0084SA	20	N	100	300	N	30	N	200	N
TH0084SB	20	N	100	300	<50	30	N	200	N
TH0084SC	20	N	150	300	50	30	N	200	N
TH0084SD	20	N	150	300	70	30	N	300	N
TH0084SE	15	N	200	200	N	30	N	300	N
TH0084SF	15	N	300	200	N	30	N	300	N
TH0089SA	7	N	100	70	N	20	N	200	N
TH0089SB	7	N	150	100	N	30	N	300	N
TH0089SC	10	N	200	150	N	30	N	500	N
TH0089SD	10	N	300	150	N	30	N	500	N
TH0089SE	10	N	500	100	N	20	N	200	N
TH0089SF	10	N	500	100	N	30	N	500	N
TH0090SA	5	N	500	30	N	15	N	150	N
TH0090SB	5	N	700	30	N	15	N	100	N
TH0090SC	5	N	700	50	N	15	N	150	N
TH0090SD	5	N	1,000	50	N	20	N	200	N
TH0090SE	7	N	1,000	70	N	20	N	1,000	N
TH0090SF	10	N	700	100	N	50	N	1,000	N
TH0092SA	5	N	1,000	100	N	20	N	500	N
TH0092SB	5	N	1,000	70	N	20	N	500	N
TH0092SC	7	N	1,000	100	N	70	N	500	N
TH0092SD	5	100	1,000	100	N	70	N	500	150
TH0092SE	5	N	1,000	100	N	70	N	300	100
TH0092SF	7	N	700	100	N	50	N	500	N
TH0094SA	5	N	1,000	50	N	10	N	300	N
TH0094SB	5	N	1,000	70	<50	15	N	300	N
TH0094SC	5	N	1,000	100	<50	30	N	300	<100
TH0094SD	5	10	1,000	100	N	30	N	300	<100
TH0094SE	7	N	1,000	100	50	70	N	500	<100
TH0094SF	7	N	700	100	N	50	N	700	N
TH0096SA	<5	N	100	15	N	20	N	200	N
TH0096SB	<5	N	150	15	N	20	N	300	N
TH0096SC	5	N	200	20	N	20	N	150	N
TH0096SD	5	N	200	50	N	20	N	300	N
TH0096SE	7	N	300	70	N	20	N	700	N
TH0096SF	7	N	500	100	N	30	N	500	N

TABLE 6.--ANALYTICAL DATA FOR 42 PAIRS OF REPLICATE STREAM-SEDIMENT SAMPLES, TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longtude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s	s	s
TBS12015	38 55 0	117 43 30	5.0	.7	1.5	.50	1,500	N	N	N	70	1,000	7.0
TBS12020	38 55 0	117 43 30	5.0	.7	1.5	.50	1,500	N	N	N	50	1,000	5.0
TBS15A07	38 55 10	117 58 40	3.0	1.5	1.5	.30	1,000	.7	N	N	150	2,000	7.0
TBS15A20	38 55 10	117 58 40	3.0	1.0	1.5	.30	1,000	.5	N	N	150	2,000	7.0
TBS15D09	38 51 28	116 58 40	1.5	.3	1.0	.20	500	N	N	N	30	1,000	5.0
TBS15D20	38 51 28	116 58 40	1.5	.3	1.5	.20	700	N	N	N	30	1,000	5.0
TBS16B04	38 55 12	116 33 52	7.0	.5	1.0	1.00	1,500	N	N	N	50	1,500	7.0
TBS16B14	38 55 12	116 33 52	5.0	.5	1.0	.70	1,000	N	N	N	30	1,000	5.0
TBS17C08	38 50 30	116 20 40	7.0	.5	1.5	.70	1,000	N	N	N	50	1,000	5.0
TBS17C15	38 50 30	116 20 40	10.0	1.0	1.5	1.00	1,500	N	N	N	30	1,000	5.0
TBS23A11	38 42 30	117 24 30	3.0	.5	1.0	.20	700	N	N	N	30	1,000	3.0
TBS23A20	38 42 30	117 24 30	5.0	.5	1.0	.30	700	N	N	N	30	1,000	3.0
TBS34007	38 26 20	117 7 45	5.0	1.0	1.0	.30	1,000	N	N	N	100	1,500	7.0
TBS34014	38 26 20	117 7 45	5.0	1.0	1.0	.50	1,000	.5	N	N	100	2,000	5.0
TBS35C11	38 19 30	116 45 14	5.0	.3	.5	.30	700	N	N	N	30	1,500	2.0
TBS35C15	38 19 30	116 45 14	5.0	.5	1.0	.20	1,000	N	N	N	50	1,500	5.0
TBS36A07	38 27 58	116 41 12	3.0	.5	.7	.20	1,000	.5	N	N	70	1,500	7.0
TBS36A12	38 27 58	116 41 12	3.0	.5	1.0	.30	1,000	N	N	N	50	1,000	7.0
TBS36B10	38 25 28	116 33 46	2.0	.5	1.0	.20	700	N	N	N	50	1,000	5.0
TBS36B20	38 25 28	116 33 46	2.0	.5	1.0	.20	700	N	N	N	50	1,000	5.0
TBS37D09	38 15 32	116 24 8	1.5	.5	1.0	.20	500	N	N	N	50	1,500	5.0
TBS37D15	38 15 32	116 24 8	1.5	.3	1.0	.20	700	N	N	N	50	1,500	5.0
TBS42C08	38 3 52	117 31 28	5.0	1.0	1.5	.30	1,000	.7	N	N	50	1,000	5.0
TBS42C10	38 3 52	117 31 28	3.0	1.0	.7	.20	500	N	N	N	70	700	3.0
TBS46C02	38 3 18	116 31 48	2.0	.3	1.0	.30	1,000	N	N	N	50	1,000	7.0
TBS46C10	38 3 18	116 31 48	3.0	.5	1.0	.30	1,000	N	N	N	50	1,000	7.0
TFS12011	38 50 35	117 33 40	2.0	.5	1.5	.20	700	N	N	N	50	1,000	5.0
TFS12018	38 50 45	117 33 45	3.0	.7	3.0	.30	1,000	.5	N	N	150	1,000	5.0
TFS18C10	38 47 4	116 6 8	5.0	.2	1.5	.70	2,000	N	N	N	30	1,500	5.0
TFS18C12	38 47 4	116 6 8	5.0	.3	2.0	.50	1,000	N	N	N	50	1,500	5.0
TFS24B04	38 43 45	117 1 25	2.0	.5	1.0	.15	1,000	N	N	N	50	1,000	5.0
TFS24B50	38 43 45	117 1 25	2.0	.5	1.5	.15	1,000	N	N	N	50	1,500	5.0
TFS25B05	38 41 24	116 49 26	2.0	.7	1.0	.20	2,000	1.5	N	N	70	1,500	7.0
TFS25B11	38 41 24	116 49 26	3.0	1.0	1.0	.20	2,000	2.0	N	N	70	2,000	7.0
TFS26D03	38 32 52	116 38 16	2.0	.7	1.5	.20	1,000	N	N	N	50	1,500	5.0
TFS26D50	38 32 52	116 38 16	2.0	.5	1.5	.20	1,000	N	N	N	50	1,000	7.0
TFS32D01	38 16 55	117 40 40	5.0	.7	1.5	.50	1,000	N	N	N	100	1,000	5.0
TFS32D50	38 16 55	117 40 40	5.0	1.0	1.5	.50	1,500	N	N	N	100	1,000	5.0
TFS34008	38 28 20	117 10 30	5.0	1.5	1.5	.50	1,000	N	N	N	100	1,500	7.0
TFS34014	38 28 20	117 10 30	3.0	1.0	1.0	.20	500	N	N	N	50	1,000	5.0
TFS35B08	38 24 8	116 51 8	2.0	.5	1.0	.30	1,000	N	N	N	50	1,000	5.0
TFS35B20	38 24 8	116 51 8	3.0	1.0	1.5	.50	1,000	<.5	N	N	70	1,500	5.0
TFS35B25	38 29 54	116 47 38	2.0	.7	.7	.15	700	N	N	N	70	1,000	5.0
TFS35B27	38 29 54	116 47 38	2.0	1.0	1.0	.15	700	1.0	N	N	70	1,500	5.0
TFS37D07	38 15 34	116 24 0	3.0	1.0	2.0	.30	700	N	N	N	50	1,000	7.0
TFS37D50	38 15 34	116 24 0	2.0	1.0	2.0	.30	1,000	N	N	N	50	1,000	5.0
TFS46C01	38 4 48	116 31 16	3.0	.3	.7	.20	1,000	N	N	N	70	1,000	7.0
TFS46C50	38 4 48	116 31 16	2.0	.3	.7	.20	1,000	N	N	N	50	1,000	5.0

TABLE 6.--ANALYTICAL DATA FOR 42 PAIRS OF REPLICATE STREAM-SEDIMENT SAMPLES, TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
TBS12015	N	N	20	50	20	50	N	N	15	20	N	10	N
TBS12020	N	N	20	50	20	100	N	N	20	50	N	10	N
TBS15A07	N	N	10	70	50	200	10	N	50	50	N	15	N
TBS15A20	N	N	20	70	30	70	5	N	50	20	N	10	N
TBS15D09	N	N	<5	10	5	200	N	N	<5	20	N	7	N
TBS15D20	N	N	5	10	<5	50	N	N	5	30	N	5	N
TBS16B04	N	N	15	50	7	300	N	<20	7	20	N	15	N
TBS16B14	N	N	10	20	5	500	N	N	7	20	N	10	N
TBS17C08	N	N	20	50	7	50	5	N	15	30	N	10	N
TBS17C15	N	N	20	70	7	200	N	20	15	50	N	15	N
TBS23A11	N	N	10	10	7	50	10	N	20	10	N	7	N
TBS23A20	N	N	15	20	7	50	7	N	50	15	N	10	N
TBS34D07	N	N	20	70	30	70	<5	N	70	30	N	10	N
TBS34D14	N	N	20	70	30	200	5	<20	70	50	N	10	N
TBS35C11	N	N	5	15	5	30	N	N	5	20	N	5	N
TBS35C15	N	N	5	15	7	150	N	N	10	15	N	7	N
TBS36A07	N	N	10	15	10	50	N	N	15	20	N	7	N
TBS36A12	N	N	10	50	10	50	N	<20	20	50	N	5	N
TBS36B10	N	N	10	20	7	200	N	N	20	30	N	7	N
TBS36B20	N	N	7	50	7	100	N	N	10	30	N	5	N
TBS37D09	N	N	5	15	5	50	7	N	30	30	N	7	N
TBS37D15	N	N	5	10	5	50	N	N	10	50	N	7	N
TBS42C08	N	N	10	50	20	70	<5	N	20	50	N	10	N
TBS42C10	N	N	7	50	15	20	N	N	30	50	N	5	N
TBS46C02	N	N	7	10	5	100	N	N	7	20	N	7	N
TBS46C10	N	N	7	30	7	70	N	<20	5	30	N	10	N
TFS12011	N	N	10	30	7	70	N	N	15	30	N	10	N
TFS12018	N	N	15	50	15	70	N	N	20	50	N	10	N
TFS18C10	N	N	7	15	<5	50	10	N	30	50	N	7	N
TFS18C12	N	N	30	20	<5	200	10	N	200	30	N	10	N
TFS24B04	N	N	7	15	10	70	N	N	20	20	N	10	N
TFS24B50	N	N	10	20	10	50	N	N	10	30	N	10	N
TFS25B05	N	N	7	10	15	70	7	N	10	70	N	10	N
TFS25B11	N	N	10	15	15	50	7	N	15	150	N	10	N
TFS26D03	N	N	7	20	10	70	N	N	10	70	N	7	N
TFS26D50	N	N	7	20	7	150	N	N	7	50	N	7	N
TFS32D01	N	N	15	70	15	70	5	N	20	20	N	15	N
TFS32D50	N	N	30	70	20	70	N	N	30	20	N	15	N
TFS34D08	N	N	30	100	30	70	N	N	100	15	N	15	N
TFS34D14	N	N	10	50	10	50	N	N	15	20	N	7	N
TFS35B08	N	N	7	20	15	200	N	N	15	30	N	10	N
TFS35B20	N	N	10	30	10	500	N	N	15	50	N	15	N
TFS35B25	N	N	5	20	5	50	N	N	7	100	N	7	N
TFS35B27	N	N	7	15	7	70	N	N	7	100	N	10	N
TFS37D07	N	N	10	20	5	50	N	<20	7	20	N	10	N
TFS37D50	N	N	10	30	5	70	N	N	20	30	N	10	N
TFS46C01	N	N	5	10	5	70	N	N	10	15	N	7	N
TFS46C50	N	N	5	10	5	50	N	N	20	20	N	5	N

TABLE 6.--ANALYTICAL DATA FOR 42 PAIRS OF REPLICATE STREAM-SEDIMENT SAMPLES, TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TPS12015	700	150	N	20	N	200	N	10	60	N	N	N
TPS12020	500	150	N	20	N	200	N	10	45	.3	N	N
TPS15A07	300	300	N	30	N	200	N	25	130	.7	N	N
TPS15A20	300	200	N	30	N	300	N	25	130	.5	N	N
TBS15D09	500	50	N	20	N	700	N	<5	30	.1	N	1
TBS15D20	500	50	N	20	N	700	N	N	0	5.0	N	1
TPS16P04	500	150	N	50	N	1,000	N	N	80	.3	N	N
TPS16B14	500	150	N	30	N	700	N	N	55	.2	N	N
TBS17C08	500	200	N	20	N	500	N	10	110	.2	N	N
TBS17C15	500	300	N	30	N	700	N	N	80	.1	N	N
TPS23A11	700	100	N	20	N	150	N	N	45	N	N	N
TBS23A20	500	150	N	20	N	200	N	N	65	N	N	N
TPS34007	300	200	N	30	N	150	N	45	75	.4	N	3
TPS34014	300	200	N	50	N	200	N	50	75	.5	N	2
TPS35C11	500	100	N	15	N	700	N	15	75	.1	N	N
TBS35C15	700	150	N	20	N	500	N	20	75	.1	N	N
TPS36A07	500	100	N	20	N	500	N	35	50	.2	N	N
TBS36A12	500	100	N	20	N	200	N	45	70	.2	N	N
TPS36B10	500	100	N	20	N	150	N	N	40	.3	--	<2
TBS36B20	500	100	N	15	N	200	N	N	35	.2	--	N
TBS37D09	300	50	N	70	N	100	N	20	25	N	N	N
TBS37D15	500	50	N	15	N	200	N	20	35	N	N	2
TBS42C08	500	100	N	30	N	200	N	5	120	N	N	4
TBS42C10	300	100	N	10	N	150	N	N	110	N	N	4
TBS46C02	300	70	N	20	N	500	N	N	30	N	N	N
TBS46C10	500	100	N	20	N	300	N	N	35	N	N	N
TFS12011	700	70	N	20	N	N	N	N	30	.2	N	2
TFS12018	700	100	N	20	N	N	N	15	40	.7	N	3
TFS18C10	700	100	N	15	N	200	N	N	65	.3	N	N
TFS18C12	700	100	N	20	N	200	N	N	60	.3	N	N
TFS24B04	500	100	N	20	N	200	N	20	50	.9	N	N
TFS24B50	700	100	N	20	N	150	N	20	40	.9	N	N
TFS25P05	300	70	N	30	N	150	N	40	65	.2	N	2
TFS25B11	500	70	N	20	N	300	N	40	60	.3	N	N
TFS26D03	500	70	N	30	N	200	N	N	40	.4	N	N
TFS26D50	500	70	N	20	N	300	N	N	30	.3	N	N
TFS32D01	700	150	N	30	N	300	N	10	40	N	N	N
TFS32D50	700	200	N	20	N	500	N	10	35	.5	N	N
TFS34008	500	200	N	30	N	150	N	20	90	.6	N	N
TFS34014	300	100	N	20	N	100	N	N	60	.5	N	N
TFS35B08	500	100	N	20	N	300	N	10	60	.3	N	N
TFS35B20	500	150	N	30	N	500	N	15	50	.4	1	N
TFS35P25	300	50	N	20	N	200	N	N	20	.6	N	N
TFS35B27	500	50	N	20	N	100	N	N	20	.7	N	N
TFS37D07	300	100	N	30	N	200	N	<5	35	N	N	N
TFS37D50	300	100	N	30	N	200	N	<5	40	N	N	N
TFS46C01	300	50	N	15	N	150	N	<10	40	.2	N	2
TFS46C50	300	70	N	20	N	150	N	<10	60	N	N	N

TABLE 6.--ANALYTICAL DATA FOR 42 PAIRS OF REPLICATE STREAM-SEDIMENT SAMPLES, TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Latitude	Longtude	Fe-pct.	Mg-pct.	Ca-pct.	Ti-pct.	Mn-ppm	Ag-ppm	As-ppm	Au-ppm	B-ppm	Ba-ppm	Be-ppm
			s	s	s	s	s	s	s	s	s	s	s
TZS00019	38 11 40	117 43 9	5.0	2.0	3.0	.50	1,500	<.5	N	N	70	1,000	3.0
TZS00020	38 11 40	117 43 9	3.0	1.0	1.5	.30	500	N	N	N	20	500	1.5
TZS00036	38 23 31	117 53 7	3.0	3.0	20.0	.20	1,000	N	N	N	100	300	1.0
TZS00037	38 23 31	117 53 0	2.0	1.5	15.0	.15	1,500	N	N	N	70	300	1.5
TZS00043	38 23 8	117 53 0	3.0	1.5	15.0	.20	1,500	2.0	N	N	70	500	1.5
TZS00044	38 23 8	117 53 0	3.0	1.5	10.0	.20	700	2.0	N	N	70	700	2.0
TZS00056	38 11 44	117 40 2	5.0	1.5	2.0	.30	1,500	<.5	N	N	50	1,000	3.0
TZS00057	38 11 44	117 40 2	3.0	1.0	1.0	.30	500	3.0	N	N	30	500	1.5
TZS00075	38 7 4	117 44 49	7.0	2.0	2.0	.50	1,000	N	N	N	70	1,000	2.0
TZS00076	38 7 4	117 44 49	3.0	1.0	1.0	.30	500	N	N	N	20	500	1.0
TZS00100	38 8 8	117 47 28	3.0	.7	.5	.30	300	N	N	N	30	500	1.0
TZS00102	38 8 8	117 47 28	3.0	.7	1.0	.30	700	N	N	N	50	1,000	1.0
TZS00117	38 23 7	117 51 22	5.0	2.0	15.0	.20	2,000	1.0	N	N	70	700	3.0
TZSA0117	38 23 7	117 51 22	3.0	2.0	15.0	.15	2,000	1.0	N	N	50	500	2.0
TZS00118	38 22 5	117 51 36	5.0	1.0	1.0	.30	1,000	N	N	N	100	1,000	2.0
TZS00119	38 22 5	117 51 36	2.0	.7	.5	.20	300	N	N	N	50	500	1.0
TZS00124	38 21 30	117 54 54	2.0	.3	.3	.30	500	N	N	N	70	500	1.5
TZS00125	38 21 30	117 54 54	3.0	.7	.7	.30	1,000	N	N	N	100	1,000	3.0
TZS00142	38 22 47	117 56 38	5.0	1.5	1.5	.30	1,000	<.5	N	N	300	1,000	2.0
TZS00143	38 22 47	117 56 38	2.0	.7	.7	.20	300	N	N	N	70	300	<1.0
TZS15A02	38 52 55	117 54 55	2.0	.7	1.0	.20	1,000	<.5	N	N	100	1,000	5.0
TZS15A25	38 52 55	117 54 55	2.0	.7	1.0	.30	1,000	N	N	N	100	1,000	5.0
TZS18C04	38 46 18	116 4 58	1.5	.3	.7	.15	700	<.5	N	N	50	700	5.0
TZS18C13	38 46 18	116 4 58	1.5	.5	.7	.20	700	N	N	N	50	1,000	5.0
TZS21B03	38 42 50	117 45 35	5.0	1.0	1.5	.50	1,000	N	N	N	20	1,000	3.0
TZS21B06	38 42 50	117 45 35	5.0	1.0	1.5	.50	1,000	N	N	N	50	700	3.0
TZS25B06	38 41 28	116 49 18	1.5	.5	1.5	.15	700	N	N	N	30	1,500	5.0
TZS25B12	38 41 28	116 49 18	1.5	.5	1.5	.70	700	1.0	N	N	15	1,500	5.0
TZS27D02	38 33 38	116 29 26	5.0	.5	3.0	.70	1,000	N	N	N	30	2,000	3.0
TZS27D03	38 33 38	116 29 26	2.0	.5	1.0	.20	200	N	N	N	10	1,000	<1.0
TZS35B11	38 25 58	116 46 38	2.0	.5	1.0	.20	1,000	N	N	N	70	1,500	5.0
TZS35B21	38 25 58	116 46 38	2.0	.5	1.0	.20	1,000	N	N	N	50	1,000	5.0
TZS35D06	38 22 26	116 53 54	3.0	.7	1.0	.30	1,000	.5	N	N	70	1,500	5.0
TZS35D07	38 22 26	116 53 54	3.0	.5	1.0	.30	1,000	N	N	N	50	1,000	7.0
TZS43003	38 13 0	117 19 0	5.0	1.5	3.0	.50	700	.5	N	N	100	1,500	5.0
TZS43009	38 13 0	117 19 0	5.0	1.0	2.0	.30	700	N	N	N	70	1,500	5.0

TABLE 6.--ANALYTICAL DATA FOR 42 PAIRS OF REPLICATE STREAM-SEDIMENT SAMPLES, TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s
TZS00019	N	N	20	50	50	70	N	N	30	100	N	10	N
TZS00020	N	N	15	70	20	30	5	N	20	15	N	7	N
TZS00036	N	N	15	100	50	30	N	N	20	50	N	10	N
TZS00037	N	N	10	150	30	30	N	N	30	50	N	7	N
TZS00043	10	N	10	30	70	30	5	N	20	70	N	7	N
TZS00044	10	N	10	50	100	50	15	N	15	100	N	7	N
TZS00056	N	N	20	70	30	50	N	<20	30	50	N	15	N
TZS00057	N	N	15	100	20	30	N	N	30	10	N	10	N
TZS00075	N	N	20	100	50	50	N	<20	50	70	N	10	N
TZS00076	N	N	20	70	30	20	N	N	30	50	N	10	N
TZS00100	N	N	20	100	50	20	7	N	50	20	N	7	N
TZS00102	N	N	20	100	50	50	5	<20	50	20	N	10	N
TZS00117	15	N	10	70	50	30	20	N	20	70	N	10	N
TZSA0117	10	N	15	50	50	100	10	N	20	70	N	7	N
TZS00118	N	N	15	100	150	70	10	N	30	50	N	10	N
TZS00119	N	N	15	100	100	<20	7	N	30	20	N	5	N
TZS00124	N	N	10	100	30	50	N	N	20	50	N	7	N
TZS00125	N	N	15	70	50	50	N	<20	20	50	N	10	N
TZS00142	N	N	20	100	50	100	N	N	30	50	N	15	N
TZS00143	N	N	15	150	30	70	N	N	30	20	N	7	N
TZS15A02	N	N	10	50	30	50	7	N	50	20	N	7	N
TZS15A25	N	N	10	70	30	100	10	N	70	10	N	10	N
TZS18C04	N	N	7	10	7	70	N	<20	5	50	N	5	N
TZS18C13	N	N	5	10	7	50	N	20	5	70	N	5	N
TZS21B03	N	N	15	150	20	20	N	N	20	30	N	10	N
TZS21P06	N	N	20	50	15	50	N	N	15	20	N	10	N
TZS25B06	N	N	7	10	<5	50	N	N	<5	15	N	5	N
TZS25B12	N	N	5	70	5	100	N	N	7	20	N	10	N
TZS27D02	N	N	15	20	5	700	N	N	10	50	N	10	N
TZS27D03	N	N	7	20	<5	20	N	N	5	50	N	<5	N
TZS35B11	N	N	5	15	7	50	N	N	7	50	N	7	N
TZS35B21	N	N	7	15	15	50	N	N	7	50	N	7	N
TZS35D06	N	N	15	50	15	50	N	<20	20	50	N	10	N
TZS35D07	N	N	10	30	20	70	7	N	20	30	N	7	N
TZS43003	N	N	20	50	15	50	N	<20	20	20	N	15	20
TZS43009	N	N	20	70	15	100	N	<20	20	20	N	15	N

TABLE 6.--ANALYTICAL DATA FOR 42 PAIRS OF REPLICATE STREAM-SEDIMENT SAMPLES, TONOPAH 1 X 2 DEGREE QUADRANGLE, NEVADA--Continued

Sample	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa
TZS00019	500	150	N	30	N	150	N	10	17	.1	N	1
TZS00020	300	100	N	15	N	100	N	10	65	.2	N	3
TZS00036	1,000	70	N	20	N	70	N	40	123	.4	N	2
TZS00037	1,000	70	N	20	N	70	N	55	115	.3	N	5
TZS00043	1,000	70	N	15	200	50	N	20	215	1.7	6	N
TZS00044	1,000	70	N	20	300	50	N	25	>2,000	1.3	7	3
TZS00056	700	150	N	20	N	200	N	10	60	.1	N	2
TZS00057	500	100	N	15	N	100	N	15	55	.1	N	2
TZS00075	1,000	200	N	20	N	200	N	N	90	N	N	1
TZS00076	500	100	N	15	N	150	N	20	70	.2	N	3
TZS00100	300	100	N	10	N	100	N	70	70	.4	N	N
TZS00102	500	100	N	20	N	200	N	75	70	.3	N	16
TZS00117	1,000	100	70	20	300	150	N	35	205	1.8	9	2
TZSA0117	1,000	100	70	20	500	150	N	30	>2,000	2.5	7	1
TZS00118	300	100	N	20	N	200	N	50	42	N	N	N
TZS00119	200	70	N	10	N	100	N	50	45	.3	N	4
TZS00124	300	70	N	15	N	150	N	40	40	.1	N	8
TZS00125	500	100	N	30	N	200	N	40	35	N	N	4
TZS00142	300	150	N	20	N	200	N	35	70	.3	N	52
TZS00143	150	70	N	10	N	200	N	30	80	.5	N	90
TZS15A02	200	200	N	20	<200	150	N	120	20	.6	N	N
TZS15A25	200	200	N	20	N	300	N	130	20	.6	N	2
TZS18C04	300	30	N	20	N	200	N	15	60	.2	N	N
TZS18C13	300	30	N	20	N	100	N	10	50	.2	N	N
TZS21B03	700	150	N	15	N	70	N	N	75	N	N	2
TZS21B06	700	150	N	20	N	300	N	10	60	.1	N	N
TZS25B06	700	50	N	20	N	300	N	10	35	.1	N	N
TZS25B12	700	150	N	20	N	500	N	10	35	.5	N	N
TZS27D02	700	100	N	30	N	700	N	N	25	N	N	N
TZS27D03	300	50	N	10	N	100	N	N	30	N	N	N
TZS35B11	700	50	N	10	N	100	N	N	45	.3	N	N
TZS35B21	500	70	N	15	N	70	N	N	45	.2	N	N
TZS35D06	500	100	N	30	N	500	N	20	60	.3	N	<2
TZS35D07	500	100	N	20	N	200	N	25	65	.3	N	N
TZS43003	1,000	150	N	30	N	300	N	20	40	.1	N	<2
TZS43009	1,000	150	N	20	N	300	N	20	40	.3	N	N