Geochemistry of Stream-Sediment Samples from the Santa Renia Fields and Beaver Peak Quadrangles, Northern Carlin Trend, Nevada

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Open-File Report 99–341

1999

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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ABSTRACT

A broad west-to-east increase of many metal concentrations has been found in stream sediments during a reconnaissance investigation conducted in conjunction with geologic studies in the Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles near the northern end of the Carlin trend of gold deposits in the Tuscarora Mountains. This regional increase in metal concentrations coincides with a dramatic change in landform wherein high concentrations of metals in stream sediments appear to correlate directly with areas of high elevations and steep slopes in the Beaver Peak quadrangle. Robust erosion combined with high flow rates in streams from these higher elevations are envisaged to have contributed significantly to increased metal concentrations in the stream sediments by an enhanced presence of minerals with high specific gravities and a correspondingly diminished presence of minerals with low specific gravities. Minerals with low specific gravities probably have been preferentially flushed down stream because of high transporting capacities for sediment by streams in the Beaver Peak quadrangle. In addition, the Carlin trend, a generally northwest-alignment of gold deposits in the Santa Renia Fields quadrangle, is well outlined by arsenic concentrations that include a maximum of approximately 54 parts per million. Further, a weakly developed distal-to-proximal metal zonation towards these gold deposits appears to be defined respectively in plots showing distributions of thallium, arsenic, antimony, and zinc. A broad area of high metal concentrations—including sharply elevated abundances of Ag, As, Au, Cd, Co, Cu, Mn, Ni, P, Sb, Sc, Te, V, and especially Zn—near the southeast corner of the Beaver Peak quadrangle primarily could be the result of stratiform mineralized rocks in the Ordovician Vinini Formation or Devonian Slaven Chert, or the result of a subsequent Mesozoic or Tertiary epigenetic overprint.

INTRODUCTION

Recent geologic field investigations in the Beaver Peak (BP) and the Santa Renia Fields (SRF) 7 1/2–minute quadrangles (fig. 1) of the southern Tuscarora Mountains, Elko County, Nev., have established the presence of a relatively intact lower Paleozoic stratigraphic sequence of siliceous rocks in the allochthon of the Roberts Mountains thrust (RMT) (Theodore and others, 1998; Theodore, 1999; T.G. Theodore, unpub. data, 1999). The stratigraphic sequence in the quadrangles includes Upper Ordovician Vinini Formation of Merriam and Anderson (1942), Silurian Elder Sandstone of Gilluly and Gates (1965), Devonian Slaven Chert of Gilluly and Gates (1965), and an enigmatic sedimentologic and tectonic mélange unit above the newly recognized Little Jack thrust. The Vinini Formation, Elder Sandstone, and Slaven Chert are well exposed near the southeast corner of the BP quadrangle where unequivocal depositional contacts are present among the three formations. The three formations crop out in approximately the southeast quadrant of the quadrangle and are the lowest structural package of rocks exposed in the BP quadrangle. The mélange unit crops out widely across a broad area that encompasses approximately two thirds of the BP quadrangle immediately to the north of the package containing the Vinini Formation, the Elder Sandstone, and the Slaven Chert . The Little Jack thrust apparently forms a duplex associated with the Coyote thrust system that was recognized previously by Cluer and others (1997)—the thrust also crops out in the northern part of the SRF quadrangle (Theodore and others, 1998).

All these rocks are, in turn, overlain unconformably by foreland clastic rocks of the Upper Pennsylvanian and Lower Permian Strathearn Formation of Dott (1955) whose regional extent recently has been broadened into the area from its type section in Carlin Canyon approximately 20 km to the southeast (Theodore and others, 1998). The foreland clastic rocks include biofacies indicative of a normal marine depositional setting throughout their best-exposed stratigraphic sequences on the western slopes of Beaver Peak. Rocks of the Strathearn Formation crop out as a number of isolated exposures across a broad area of the central part of the BP quadrangle, and as a small number of exposures in the northern part of the SRF quadrangle (Theodore and others, 1998).

Conglomeratic strata of the lower Strathearn Formation, however, also have been overridden structurally along the Coyote thrust system by a thick sedimentary-rock package dominated by quartzarenite of the Vinini Formation—this package of rocks makes up the Coyote allochthon. Basal beds of the allochthon are predominantly quartzarenite of the Vinini Formation and they crop out widely in the BP quadrangle where the basal quartzarenite unit in the allochthon may be as much as 800 m thick. The quartzarenite crops out throughout the northern one-third of the BP quadrangle, where it holds up many of the high ridges, and across approximately the northernmost quarter of the SRF quadrangle.

Presumably Juarassic dikes are present only in two localities southeast of Boulder Creek in the west-central part of the BP quadrangle (Theodore and others, 1998). The dikes—at most several meters wide at the surface— intrude conglomeratic strata of the lower Strathearn Formation. These intensely altered alkali granite and monzonite dikes contain narrow seams of yellow limonite (jarosite?)$\pm$iron-oxide mineral(s) as well as relatively abundant white mica. No other igneous rocks have been found to this date (1999) in the BP quadrangle.

Tertiary rocks and unconsolidated deposits are present mostly in the SRF quadrangle (Theodore and others, 1998). Miocene rhyolite flows that are approximately 15 Ma crop out in an approximately 16–km^2 area near the west-central border of the SRF quadrangle. The Miocene Carlin Formation of Regnier (1960) crops widely in the SRF quadrangle, mostly in the western one-half of the quadrangle. Air-fall tuff in the Carlin Formation ranges in age from about 14.4 to about 15.0 Ma (Fleck and others, 1998).

The geometry and structural relations of faults in the quadrangles can be used to unravel the timing of geologic events that have affected the rocks. The fault surfaces that comprise the Coyote thrust system are generally east-west striking and dip at shallow angles to the north in the two quadrangles. In addition, Lower Permian strata of the upper Strathearn Formation are now (Theodore and others, 1998) known to onlap Ordovician quartzarenite belonging to the Coyote allochthon, thereby constraining emplacement of the Coyote allochthon to a relatively narrow time interval between late Virgilian (Late Pennsylvanian) to latest Sakmarian-earliest Artinskian (middle Early Permian). Associated temporally with late Paleozoic thrusting is transcurrent sinistral shear along two prominent northeast-striking, high-angle faults in the quadrangles—these faults have been named the

Boulder Creek and Toro faults. The Boulder Creek and Toro faults are present in the north-central part of the BP quadrangle (Theodore and others, 1998). They are major fault strands that form an integral part of the 90–km-long, northeast-striking Crescent Valley-Independence lineament (CVIL) of Peters (1998; see also, Theodore and Peters, 1998). Faults from these ongoing studies in the SRF and BP quadrangles are shown as a schematic geologic background to the geochemical plots described below.

The SRF quadrangle includes a number of major sediment-hosted gold deposits that are present near the northwest terminus of the Carlin trend of gold deposits (Teal and Jackson, 1997). These gold deposits include the Meikle, Banshee, Ren, Tara, Capstone-Bootstrap, Dee, and Ross-Storm. Several of the deposits are in production in 1999.

Regional geochemical studies reported herein were undertaken in conjunction with the above-summarized geologic investigations by the U.S. Geological Survey in the southern Tuscarora Mountains. The number of National Uranium Resource Evaluation (NURE) sample sites (Hoffman and Buttleman, 1994) in the Humboldt River drainage basin near the north end of the Carlin trend is clearly deficient for adequate regional syntheses (Kotlyar and others, 1998). To rectify this deficiency, approximately 440 additional stream-sediment samples were collected in the summer of 1998 from the SRF and BP quadrangles and analyzed as part of ongoing studies to establish regional background metal contents in stream sediments from parts of the Carlin trend of gold deposits prior to any future disturbance by additional mining operations. This geochemical investigation is, in part, directly supportive of geochemical studies in the Humboldt River Drainage Basin Project of the U.S. Geological Survey, also currently (1999) underway, as well as the Mineral Resource Surveys Project of the U.S. Geological Survey. In this report, we present an evaluation of elemental distributions in stream sediments in the northern Carlin trend. As will be discussed below, the SRF and BP quadrangles span two geomorphologic terrains that apparently influenced significantly metal concentrations in the stream sediments. Raw analytical data from the stream sediments as well as 46 elemental distribution maps for the two quadrangles are included in this report.

SAMPLING PROCEDURES

Standard procedures were used to collect stream-sediment samples with slight variations depending upon the moisture content of the selected sites. All stream-sediment samples in the quadrangles were obtained from active stream bottoms or as close to active stream bottoms as possible (figs. 2, 3). At most, the actual sites sampled were no more than 5 m from present-day active drainages. In addition, extreme care was taken to assure that no colluvial material from nearby slopes contaminated the stream-sediment samples during their collection. If a selected site were dry, then screening of sediment to –80 Tyler-equivalent mesh (0.007 inch or 180 μm opening) proceeded immediately from a minimum depth of approximately 20 cm. As much material was processed as required to provide a minimum of an approximately 10–g aliquot of the –80-mesh fraction at the site—this is the sum total of the minimum amounts of material required by the two laboratories performing the chemical analyses. Typically, screening of stream sediment involved processing approximately 3 to 4 kg of material from 20– to 40–cm depths, but as much as 10 kg if the site were particularly sandy or gravelly. Most sites yielded –80-mesh fractions well in excess of 10 g; some in fact yielded as much as 60 to 70 g. However, if a selected site were wet or contained running water—this was particularly true of many stream drainages in the BP quadrangle—then material from a minimum depth of 20 cm either was laid out in the sun to dry while the remainder of the traverse was completed, or material was collected in approximately 5– to 6–kg-bulk samples for subsequent drying and screening. Many samples in the BP quadrangle were obtained from the bottoms of flowing streams thereby resulting in an inadequate amount of –80–mesh material for analysis by each of the two laboratories. Although –80–mesh fractions of stream sediments were collected at 440 sites, adequate material for analysis by at least one of the two laboratories only was available from either 421 or 429 sites (see below). In addition, a number of physical characteristics were recorded for each of the sites, including ease of accessibility, average width of active channel, average depth of channel banks, stream order, flow rate (if any), distance to exposed bedrock, and approximate grain size of material sieved.

All –80–mesh fractions were qualitatively examined by magnet to estimate the relative abundance of magnetite present. An approximately 5–cm-wide horseshoe magnet was rotated five times through the dry –80–mesh fractions, and the number of magnetite grains adhering to the magnet then was counted and recorded in the following four classes: less than 15 grains of magnetite, 15 to 50 grains, greater than 50 grains, and much greater than 50 grains. By far, the overwhelming bulk of the magnetite in the stream-sediment samples is present in the BP quadrangle, probably as a reflection both of much more robust erosion and higher carrying capacity of streams there because of extremely steep slopes and generally much higher elevations than the SRF quadrangle. Other than the two small outcrops of presumably Jurassic dikes in the west-central part of the Beaver Peak quadrangle, no igneous rocks are present at the surface to account for the widespread elevated abundances of magnetite throughout the BP quadrangle. Many more dikes are present, however, in the general area of the Dee gold mine and Rossi barite mine in the south-central part of the SRF quadrangle (Theodore and others, 1998) without a corresponding increase in the magnetite content of nearby stream-sediment samples. Further, although available regional aeromagnetic surveys indicate a strong positive anomaly coincident with the Miocene rhyolite flows near the west-central border of the SRF quadrangle, no other prominent closures of aeromagnetic contours are present in the quadrangles with the exception of a weak positive anomaly near the southeast corner of the BP quadrangle (R.W. Jachens, written commun., 1999). In fact, the small number of aeromagnetic contours are oriented east-west in the quadrangles, and thus they are approximately at right angles to the >50–grain-contour of magnetite contents in the stream sediments approximately coincident with the boundary between the SRF and BP quadrangles. The distribution of magnetite in stream sediments from the quadrangles should be considered as a surrogate mineral representing, as well, many other minerals with high specific gravities. The elevated abundances of such minerals with high specific gravities in the drainages of the BP quadrangle impact significantly overall metal distributions and impart a regional geochemical gradient to almost all of elemental distributions to be described below.

Commercially available hand-held GPS units determined longitude and latitude and locations also were estimated visually on the 1:24,000 topographic bases of the quadrangles. A minimum of four satellites was used for the GPS determinations. Sample locations shown on figures 2 and 3 are repeated on all of the areal distribution plots as well.

ANALYTICAL PROCEDURES

Two batches of stream-sediment samples for sample preparation were submitted to the Nevada Bureau of Mines during the course of the field investigations. All stream-sediment –80–mesh fractions obtained from the quadrangles were pulverized and split into two aliquots at laboratories of the Nevada Bureau of Mines, Reno, provided enough material was available—a required 5–g minimum per laboratory as described above—for each of two aliquots. The prepared aliquots then were sent to two commercial analytical laboratories, together with an adequate number of internal standards whose chemical compositions are well established.

The predominantly Fe– and Mn–oxide fraction from one aliquot was analyzed by U.S. Mineral Laboratories Inc. (USML), Auburn, Calif., by inductively coupled plasmas (ICP) methods after using mixed-acid partial digestion techniques involving hydrochloric acid and hydrogen peroxide whereby selective extraction of metals not bound in silicates could be obtained (see also, O'Leary and Viets (1986) for a description of the method used to analyze the solubilized metals). This procedure yields low detection levels for many metals (Ag, As, Bi, Cd, Cu, Hg, Ga, Mo, Pb, Sb, Se, Te, Tl, and Zn) because of sparse interference by unwanted elements, particularly Fe . The preferred lower determination limits for these elements are shown in table 1. However, raw data for elements reported under column heading USML (tables 2–7) include some numerical values less than the lower detection limit for some elements—the data also include one soil sample (sample no. 98SE140) that was not used in the plots nor in any of the subsequent statistical summaries. We strongly emphasize that variances corresponding to such extremely low elemental concentrations are quite high (J. Henderson, oral commun., 1999). These reported low concentrations certainly are not reproducible to the number of significant figures reported. Nonetheless, these data provide additional low-level geochemical "noise" over broad areas that one would expect to be present in a structurally complex region. Some analyses for Se and Te include concentrations reported as zero (table 6). This implies that Se and Te were not detected instrumentally in these samples—in fact, only 23.2 and 3.8 percent of the samples analyzed for these two elements respectively include concentrations greater than their lower limits of determination (see table 1). Mercury also was determined by ICP—contents reported as zero also were not detected by that instrument and 23.7 percent of the reported concentrations are greater than the 0.1 ppm Hg lower limit of determination (table 4). Because of the high variances associated with the low-level concentrations of Se, Te, and Hg, we attach no geologic significance to their low-level distribution patterns with regards to any areally specific associations. Further, approximately 70 percent of Tl concentrations are greater than its lower limit of determination (table 6). Gold is reported by USML Laboratories at detection levels of 2 parts per billion (ppb) on the basis of graphite furnace atomic absorption methods (table 2).

A strong four-acid (HNO_3, $HClO_4$, HF, HCl) digestion that effectively dissolves most minerals was thereupon applied to another aliquot that was submitted to Acme Analytical Laboratories Ltd., Vancouver, British Columbia, together with an adequate number of internal standards (elements reported under column heading Acme, tables 2–7). The dissolved material was analyzed for 35 elements by inductively coupled plasma-atomic emission spectroscopy methods (see also, Crock and Lichte, 1982; Lichte and others, 1987; Motooka, 1988). Lower limits of determination for the 35 elements are listed in table 1.

NORMALIZING PROCEDURES

For preparation of the 46 distribution plots described below, including both partial and total digestions, the stream-sediment concentrations from the SRF and BP quadrangles first were log transformed. With trace-element geochemistry, small but important variations may be compressed into a relatively narrow range while other variation is spread out over a range wider than its importance justifies (Masters, 1993). Another reason to transform the data is that tests of significance of correlation coefficients are not valid for skewed distributions. For these reasons, we have used a logarithmic (base 10) transformation on the data. Table 8 shows examples of some log-transformed data from table 2 as well as their corresponding normalized values used to contour the data. All normalized values obtained from the analyzed stream sediments were standardized to a Z–score by subtracting the element's mean and dividing by its standard deviation: $(X_C - X_{mean})/X_{standard\ deviation}$, where all values are logarithms and X_C is the concentration for an element in an analyzed sample (table 8). The Z–scores are the values upon which the contouring is based. This process removes all effects of different means and measurement scales and facilitates the comparison of the spatial patterns of elements in the two quadrangles. Various descriptive statistics for the raw data of the stream-sediment analyses used to generate the elemental distribution diagrams are given in table 9.

CONTOURING PROCEDURES

This description of the contouring procedure is modified from Kotlyar and others (1998). From the original 440 stream-sediment samples, data for 421 samples for which we have aliquots analyzed by partial methods and 429 samples analyzed by total digestion methods (see above), were extracted and interpolated to a square grid by means of a routine based on the principal of minimum curvature (Briggs 1974; see also, Kotlyar and others, 1995). Those elemental analyses reported as "less than lower determination limit" by the total digestion method or “zero”for Hg, Se, and Te by the partial digestion method in the original data base (tables 2–7) were substituted with values at 50 percent of the lower limit of determination for the former and 50 percent of the lowest reported value even though that value might itself be well below the lower limit of determination (see above). Sanford and others (1993) discuss the suitability of performing such substitutions.

Such gridding procedures commonly are relatively sensitive to the density and uniformity of sampling sites in small domains. However, in the particular sampling program undertaken in the SRF and BP quadrangles, sampling sites are not that closely spaced. Thus, presence of a large number of samples with relatively low concentrations in a domain surrounding a small number of samples with high concentrations of that element should not result in severe damping of the level of the anomaly.

In addition, the gridded map data were spatially filtered in an effort to emphasize the broad (“long-wavelength”) characteristics of the geochemical anomalies by suppressing the narrow (“short wavelength”) components (Kotlyar and others, 1995). With the specific filter used, the shorter the wavelength, the greater the suppression. The magnitude of the relative suppression between any two wavelengths is controlled in this filter by a free parameter *z*, which has dimensions of length. “Short-wavelength” characteristics of the data are more strongly attenuated by filters with large values of *z*. Thus, filters with large values of *z* are more effective in emphasizing “long-wavelength” characteristics of anomalies. The type of filter used in this study, when applied to gravity or magnetic data, is known as the "upward continuation" filter (Blakely 1994) because, for a given value of *z*, the filtered data appear as if they had been measured on a surface that is distance *z* above the original data surface. In all plots generated, we used a filter whose value of *z* is 500 m. The width of the grid cell employed is 100 m, and all contours are in increments of 0.2 standard deviations. The above-described contouring procedure smoothes data geographically and emphasizes thereby “broad wavelength” variations—some of which can be quite subtle—of data that presumably could be important in a district-scale context. The computer-based filtering used in our study is quite analogous to the visual filter applied to down-hole geochemical data by Chaffee (1982).

ELEMENTAL DISTRIBUTION PLOTS

Distribution plots have been prepared for 46 elements (figs. 4–49). The SRF quadrangle comprises the west half of the figures and the BP quadrangle the east half. As points of reference in addition to the surface projection of a number of gold deposits and bedded barite deposits in the quadrangles, the four large open circles on the plots depict areas that respectively show, from west to east, presence of (location 1) siliceous sinter just outside the SRF quadrangle; (location 2) extensive quartz flooding in a welded tuff unit of the Miocene Carlin Formation mapped by Theodore and others (1998); (location 3) fairly widespread low-temperature silica—including cross fiber- textured chalcedonic quartz and opal—cutting an air-fall tuff-rich unit of the Carlin Formation whose tuffs are 14.4 to 15.0 Ma (Fleck and others, 1998); and, finally, (location 4) an area of quartz stockworks and gossan along faults in the central part of the BP quadrangle. As is readily apparent in many figures, the regional increase from west to east in elemental concentrations is well illustrated by a number of closely spaced, approximately north-south trending contours in the central parts of the figures near the boundary between the two quadrangles. The Carlin trend of gold deposits in the SRF quadrangle is outlined successfully by the plot for As that includes a maximum of approximately 54 parts per million (ppm) near the gold deposits (figs. 6, 7). Furthermore, a weakly developed distal-to-proximal zonation from north to south towards the cluster of gold deposits that define the Carlin trend appears to be present respectively in plots of Tl, As, Sb, and Zn (compare figs. 45, 6, 38, and 49).

The northeast-striking Boulder Creek and Toro faults, which are major fault strands of the Crescent Valley-Independence lineament (CVIL) in the BP quadrangle (Theodore and others, 1998), are not well defined by the stream-sediment geochemical distribution plots (figs. 4–49). However, the Boulder Creek fault apparently forms a weakly developed boundary for a number of elements—including Ag, Bi, Hg, Ni, and Zn—that generally increase in their overall concentrations broadly to the southeast of the fault. Certainly, a concentration of elements along these faults comparable to that along the CVIL in the area of Bob's Flat, approximately 45 km to the south, is not present here (S.G. Peters, written commun., 1999). The absence of high concentrations along these faults in the BP quadrangle may be due partly to the fact that these faults are approximately 700 m higher in elevation than other fault strands of the CVIL in the area of Bob's Flat.

A broad area of high metal concentrations (Ag, As, Au, Cd, Co, Cu, Mn, Ni, P, Sb, Sc, Te, V, and especially Zn) near the southeast corner of the BP quadrangle may primarily be the result of lower Paleozoic sediment-hosted mineralized rocks. Chert and shale of the Ordovician Vinini Formation and mostly chert of the Devonian Slaven Chert crop out widely in this area. One of the stream-sediment samples near the east edge of the BP quadrangle, in fact, contains more than 5,000 ppm Zn, and many other stream-sediment samples from this area contain hundreds of ppm Zn as well as more than 1 ppm Ag. However, a possible presence of epigenetic mineralized rocks in this area cannot be discounted completely because of the presence of elevated concentrations of As, Au, Sb, and Te in this area as well. In addition, the trace of the Lynn fault, a northeast-striking structure locally mineralized near the Carlin gold mine approximately 12 km to the south-southwest, projects towards the southeast corner of the BP quadrangle (Evans and Peterson, 1984; Teal and Jackson, 1997). Evans and Peterson (1984) show a number of rock samples in the general area of the Lynn fault that contain 1,000–5,000 ppm Zn, 1–5 ppm Ag, and 1–5 ppm Hg.

We are currently (1999) in the process of fully evaluating further all of these widespread geochemical anomalies near the southeast corner of the BP quadrangle by in-depth field and laboratory investigations. In addition, the causes of many of the other areally restricted concentrations of metals in the quadrangles are being investigated.

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Table 1—Lower detection limits of analytical data for stream-sediment samples from the Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles, Nev., reported in tables 2–7.

[parts per million, ppm; weight percent, wt. percent]

	U.S. Mineral Laboratories, Inc. (USML, partial digestion, see text) (ppm)		
Ag	0.015	Hg	0.1
As	1.	Mo	0.1
Au	0.0005	Pb	0.25
Bi	0.25	Sb	0.25
Cd	0.1	Se	1.
Cu	0.05	Te	0.5
Ga	0.5	Tl	0.5
		Zn	1.
	Acme Analytical Laboratories, Inc. (Acme, total digestion, see text)		
Ag	0.5 ppm	Ni	2.0 ppm
Al	0.01 wt. percent	P	0.002 wt. percent
As	5. ppm	Pb	5. ppm
Au	4. ppm	Sb	5. ppm
Ba	1. ppm	Sc	1. ppm
Be	1. ppm	Sn	2. ppm
Bi	5. ppm	Sr	2. ppm
Ca	0.01 wt percent	Th	2. ppm
Cd	0.4 ppm	Ti	0.01 wt. percent
Co	2. ppm	U	10. ppm
Cr	2. ppm	V	2. ppm
Cu	2. ppm	W	4. ppm
Fe	0.01 wt. percent	Y	2. ppm
K	0.01 wt. percent	Zn	2. ppm
La	2. ppm	Zr	2. ppm
Mg	0.01 wt. percent		
Mn	5. ppm		
Mo	2. ppm		
Na	0.01 wt. percent		
Nb	2. ppm		

Table 2—Analytical data for Ag, Al, As, Au, Ba, Be, and Bi for stream-sediment samples from the Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles, Nev.
[Analytical procedures, see text; elements analyzed by Acme laboratories, total digestion; elements analyzed by USML laboratories, partial digestion. N.d., not determined; ppm, parts per million]

Sample no.	longitude	latitude	Acme Ag ppm	USML Ag ppm	Acme Al weight %	Acme As ppm	USML As ppm	Acme Au ppm	USML Au ppm	Acme Ba ppm	Acme Be ppm	Acme Bi ppm
98VB053	-116.4955	41.0478	< .5	0.034	6.82	5	2.55	< 4	0.0008	852	2	< 5
98VB054	-116.4953	41.0394	< .5	0.044	6.71	< 5	3.13	< 4	0.0007	858	2	< 5
98VB055	-116.4931	41.0332	< .5	0.056	6.91	< 5	4.2	< 4	0.001	882	2	< 5
98VB056	-116.4981	41.0365	< .5	0.048	6.97	6	3.54	< 4	0.001	853	2	< 5
98VB057	-116.4924	41.0463	< .5	0.078	5.92	< 5	4.48	< 4	0.0007	765	2	< 5
98VB058	-116.492	41.0413	< .5	0.051	6.87	< 5	3.78	< 4	0.001	842	2	< 5
98VB059	-116.4869	41.0364	< .5	0.056	6.53	< 5	3.45	< 4	0.001	889	2	< 5
98VB060	-116.4856	41.0321	< .5	0.06	7.27	5	3.93	< 4	0.001	906	2	< 5
98VB061	-116.4808	41.0358	< .5	0.088	6.96	5	4.67	< 4	0.002	1026	2	< 5
98VB062	-116.4814	41.0413	< .5	0.09	6.64	9	6.33	< 4	0.001	1153	2	< 5
98VB063	-116.4804	41.042	< .5	0.085	6.26	7	6.02	< 4	0.002	1420	2	< 5
98VB064	-116.4841	41.0465	< .5	0.06	6.33	5	4.72	< 4	0.001	1239	2	< 5
98VB065	-116.4876	41.0496	< .5	0.044	6.65	< 5	3.7	< 4	0.0003	1028	2	< 5
98VB066	-116.4933	41.0543	< .5	0.028	6.43	< 5	1.91	< 4	0.001	517	3	< 5
98VB067	-116.4944	41.0602	< .5	0.073	6.65	< 5	5.05	< 4	0.002	1080	2	< 5
98VB068	-116.484	41.0603	< .5	0.072	6.3	7	6.28	< 4	0.002	1036	2	< 5
98VB069	-116.479	41.0568	< .5	0.039	7.47	< 5	3	< 4	0.013	518	3	< 5
98VB070	-116.4736	41.055	< .5	0.028	6.58	7	4.22	< 4	0.002	1156	3	< 5
98VB071	-116.4729	41.0491	< .5	0.066	6.34	7	6.55	< 4	0.004	1220	2	< 5
98VB072	-116.4617	41.0403	< .5	0.062	6.53	< 5	5.46	< 4	0.002	1149	2	< 5
98VB073	-116.463	41.045	< .5	0.093	6.37	14	10.9	< 4	0.003	1240	2	< 5
98VB074	-116.4654	41.0583	< .5	0.066	6.08	14	15	< 4	0.002	1920	2	< 5
98VB075	-116.3825	41.0243	< .5	0.092	6.74	5	6	< 4	0.002	999	2	< 5
98VB076	-116.3847	41.0161	< .5	0.096	6.79	12	13.4	< 4	0.005	1117	2	< 5
98VB077	-116.3812	41.0123	0.5	0.198	5.79	10	9.8	< 4	0.006	5159	2	< 5
98VB078	-116.3881	41.0099	< .5	0.172	5.51	12	10.2	< 4	0.012	3440	1	< 5
98VB079	-116.3952	41.0061	< .5	0.187	5.48	13	16.3	< 4	0.014	3658	1	< 5
98VB080	-116.4626	41.0558	< .5	0.058	6.35	29	18.6	< 4	0.003	2037	2	< 5
98VB081	-116.4579	41.0493	< .5	0.067	6.37	43	38.9	< 4	0.004	3361	2	< 5
98VB082	-116.4521	41.0354	< .5	0.064	6.69	5	5.57	< 4	0.006	916	2	< 5
98VB083	-116.4504	41.0396	< .5	0.094	6.04	28	26.4	< 4	0.006	2574	2	< 5
98VB084	-116.4473	41.0431	< .5	0.094	6.11	21	19.5	< 4	0.003	1159	2	< 5
98VB085	-116.4583	41.0594	< .5	0.059	6.55	13	10.9	< 4	0.004	1231	2	< 5
98VB086	-116.4544	41.0625	< .5	0.081	6.51	33	27.2	< 4	0.006	4157	2	< 5
98VB087	-116.441	41.062	< .5	0.106	6.33	11	7.92	< 4	0.0005	958	2	< 5
98VB088	-116.446	41.0582	< .5	0.122	6.61	33	30.5	< 4	0.005	1034	2	< 5
98VB089	-116.4392	41.0554	< .5	0.105	6.52	22	22.7	< 4	0.013	1006	2	< 5
98VB090	-116.4523	41.0549	< .5	0.111	6.44	57	53.9	< 4	0.003	1406	2	< 5
98VB091	-116.4494	41.052	< .5	0.097	6.38	51	45.7	< 4	0.008	1310	2	< 5
98VB092	-116.4431	41.0491	< .5	0.084	6.38	24	17.5	< 4	0.006	1675	2	< 5
98VB093	-116.4384	41.0437	< .5	0.117	5.92	9	9.43	< 4	0.002	1018	1	< 5
98VB094	-116.429	41.009	< .5	0.242	6.5	11	13	< 4	0.031	1101	2	< 5
98VB095	-116.4319	41.0133	< .5	0.069	6.42	5	4.02	< 4	0.002	1062	2	< 5
98VB096	-116.4356	41.0173	< .5	0.081	6.5	5	3.92	< 4	0.003	975	2	< 5
98VB097	-116.4425	41.0211	< .5	0.095	6.25	8	4.46	< 4	0.004	930	2	< 5
98VB098	-116.4488	41.0244	< .5	0.104	6.72	7	6.94	< 4	0.002	979	2	< 5
98VB099	-116.4584	41.0037	< .5	0.071	6.4	6	4.91	< 4	0.002	946	2	< 5
98VB100	-116.4576	41.0004	< .5	0.077	6.87	8	7.25	< 4	0.003	963	2	< 5
98VB101	-116.4626	41.0045	< .5	0.07	6.64	7	3.28	< 4	0.0007	881	2	< 5
98VB102	-116.4686	41.0068	< .5	0.108	6.13	6	5.41	< 4	0.001	1142	2	< 5
98VB103	-116.4826	41.0043	< .5	0.113	6.49	< 5	4.82	< 4	0.003	864	2	< 5
98VB104	-116.4769	41.0016	< .5	0.081	6.7	9	4.58	< 4	0.0002	866	2	< 5
98VB105	-116.4961	41.014	< .5	0.077	6.69	8	4.59	< 4	0.003	924	2	< 5
98VB106	-116.489	41.0194	< .5	0.083	6.72	11	5.77	< 4	0.004	936	2	< 5
98VB107	-116.485	41.0155	< .5	0.113	6.83	5	5.84	< 4	0.003	913	2	< 5
98VB108	-116.4799	41.018	< .5	0.087	6.26	7	4.85	< 4	0.003	878	2	< 5
98VB109	-116.4812	41.0232	< .5	0.088	6.74	5	4.7	< 4	0.002	934	2	< 5
98VB110	-116.4746	41.0218	< .5	0.097	6.73	8	5.61	< 4	0.004	907	2	< 5
98VB111	-116.4676	41.0194	< .5	0.071	6.5	5	5.42	< 4	0.001	2205	2	< 5
98VB112	-116.4966	41.1206	< .5	0.07	6.22	8	6.86	< 4	0.003	971	2	< 5
98VB113	-116.4945	41.123	< .5	0.065	5.99	6	5.7	< 4	0.004	762	2	< 5
98VB114	-116.4983	41.1057	< .5	0.072	6.98	< 5	4.5	< 4	0.0004	884	2	< 5
98VB115	-116.4933	41.1016	< .5	0.077	6.59	< 5	7.47	< 4	0.001	933	2	< 5
98VB116	-116.4937	41.0978	< .5	0.069	6.58	5	6.25	< 4	0.004	924	2	< 5

Table 2—cont'd.

Sample no.	longitude	latitude	Acme Ag ppm	USML Ag ppm	Acme Al weight %	Acme As ppm	USML As ppm	Acme Au ppm	USML Au ppm	Acme Ba ppm	Acme Be ppm	Acme Bi ppm
98VB117	-116.4971	41.0989	< .5	0.075	7.09	8	6.06	< 4	0.0009	1070	2	< 5
98VB118	-116.4966	41.0929	< .5	0.077	6.76	5	4.02	< 4	0.0004	1011	2	< 5
98VB119	-116.4537	41.109	< .5	0.13	6.24	< 5	3.43	< 4	0.001	873	2	< 5
98VB120	-116.4477	41.115	< .5	0.168	5.9	8	5.06	< 4	0.001	1021	2	< 5
98VB121	-116.4472	41.1188	< .5	0.046	6.53	< 5	3.04	< 4	0.0004	1040	3	< 5
98VB122	-116.4405	41.1189	0.5	0.2	5.58	5	4.17	< 4	0.002	921	2	< 5
98VB123	-116.4364	41.1211	< .5	N.d.	6.43	8	N.d.	< 4	N.d.	1363	2	< 5
98VB124	-116.4356	41.1191	< .5	0.128	5.59	5	5.57	< 4	0.001	865	2	< 5
98VB125	-116.4332	41.1166	< .5	0.085	5.38	8	4.93	< 4	0.004	1602	2	< 5
98VB126	-116.4624	41.1029	< .5	0.078	6.39	5	4.28	< 4	0.001	819	2	< 5
98VB127	-116.4517	41.1035	< .5	0.084	6.11	6	4.68	< 4	0.001	849	2	< 5
98VB128	-116.4419	41.1026	< .5	0.096	6.04	6	5.69	< 4	0.0009	839	2	< 5
98VB129	-116.4452	41.0997	< .5	0.089	6.45	5	5.31	< 4	0.0004	866	2	< 5
98VB130	-116.4508	41.0956	< .5	0.045	6.6	5	2.21	< 4	0.002	1153	3	< 5
98VB131	-116.4518	41.0915	< .5	0.035	6.21	< 5	1.36	< 4	0.0006	1125	3	< 5
98VB132	-116.4575	41.0881	< .5	0.082	6.11	6	4.66	< 4	0.005	951	2	< 5
98VB133	-116.4782	41.094	< .5	0.042	6.89	< 5	2.76	< 4	0.0007	776	2	< 5
98VB134	-116.4828	41.0947	< .5	0.055	6.83	< 5	4.18	< 4	0.0003	746	2	< 5
98VB135	-116.4882	41.0967	< .5	0.086	6.77	6	6.45	< 4	0.005	974	2	< 5
98VB136	-116.4803	41.0986	< .5	0.075	6.77	7	5.64	< 4	0.002	892	2	< 5
98VB137	-116.48	41.1052	< .5	0.113	6.54	12	9.98	< 4	0.002	925	2	< 5
98VB138	-116.4711	41.0952	< .5	0.04	7.56	8	3.36	< 4	0.0005	865	2	< 5
98VB139	-116.473	41.1015	< .5	0.055	6.94	7	4.25	< 4	0.0003	931	2	< 5
98VB140	-116.4675	41.0987	< .5	0.056	7.01	7	4.34	< 4	0.0002	872	2	< 5
98VB141	-116.4988	41.0662	< .5	0.086	6.98	8	7.26	< 4	0.006	1099	3	< 5
98VB142	-116.493	41.0727	< .5	0.076	7.07	7	5.63	< 4	0.003	1049	2	< 5
98VB143	-116.4893	41.0668	< .5	N.d.	6.83	6	N.d.	< 4	N.d.	1046	2	< 5
98VB144	-116.4893	41.0634	< .5	0.075	7.09	< 5	5.2	< 4	0.0005	1058	2	< 5
98VB145	-116.4739	41.061	< .5	0.086	7.18	11	7.94	< 4	0.005	1064	2	< 5
98VB146	-116.4507	41.0691	< .5	0.077	6.93	13	10.5	< 4	0.002	1748	2	< 5
98VB147	-116.4565	41.071	< .5	0.066	7.42	8	6.52	< 4	0.003	1065	2	< 5
98VB148	-116.4526	41.0792	< .5	0.075	6.91	31	18.1	< 4	0.004	5111	2	< 5
98VB149	-116.4457	41.0763	< .5	0.097	6.64	26	23.6	< 4	0.008	2501	2	< 5
98VB150	-116.4409	41.0717	< .5	0.1	7.23	39	38.9	< 4	0.005	1541	2	< 5
98VB151	-116.4394	41.0669	< .5	0.123	7.25	54	50.5	< 4	0.004	1598	2	< 5
98VB152	-116.4411	41.0773	< .5	0.085	7.21	6	7.2	< 4	0.005	1033	2	< 5
98VB153	-116.4356	41.0782	< .5	0.098	7.15	13	9.79	< 4	0.001	935	2	< 5
98VB154	-116.4196	41.1123	< .5	0.026	7.87	< 5	2.73	< 4	0.0005	879	3	< 5
98VB155	-116.424	41.1154	< .5	0.059	7.71	6	3.69	< 4	0.0004	922	3	< 5
98VB156	-116.4213	41.1189	< .5	0.115	6.46	5	4.68	< 4	0.0006	893	2	< 5
98VB157	-116.417	41.1192	< .5	0.071	7.28	6	4.93	< 4	0.0007	837	2	< 5
98VB158	-116.4127	41.1144	< .5	0.062	7.03	6	4.82	< 4	0.001	832	2	< 5
98VB159	-116.4177	41.124	< .5	0.099	6.84	5	5.09	< 4	0.0009	1055	2	< 5
98VB160	-116.4099	41.122	< .5	0.119	6.69	7	4.35	< 4	0.001	844	2	< 5
98VB161	-116.4057	41.1186	< .5	0.097	6.78	9	6.35	< 4	0.0009	889	2	< 5
98VB162	-116.4078	41.119	< .5	0.068	7.68	6	5.88	< 4	0.001	822	2	< 5
98VB163	-116.4054	41.1139	< .5	0.067	7.3	9	5.04	< 4	0.0006	2394	2	< 5
98VB164	-116.3992	41.1095	< .5	0.064	7.52	8	5.35	< 4	0.001	894	2	< 5
98VB165	-116.3905	41.1074	< .5	0.112	6.14	9	8.33	< 4	0.002	777	2	< 5
98VB166	-116.3952	41.1032	< .5	0.108	5.41	6	6.72	< 4	0.002	882	1	< 5
98VB167	-116.3886	41.1044	< .5	0.102	4.81	6	6.79	< 4	0.002	737	1	< 5
98VB168	-116.381	41.1051	< .5	0.107	4.45	8	6.62	< 4	0.002	725	1	< 5
98VB169	-116.4109	41.1041	< .5	N.d.	5.42	9	N.d.	< 4	N.d.	4180	1	< 5
98VB170	-116.4046	41.1053	< .5	0.111	5.46	7	5.68	< 4	0.003	4186	1	< 5
98VB171	-116.4243	41.1007	< .5	0.098	5.74	< 5	5.49	< 4	0.0009	984	1	< 5
98VB172	-116.4115	41.0887	< .5	0.155	5.86	7	7.67	< 4	0.003	1084	1	< 5
98VB173	-116.4024	41.0882	< .5	0.14	6.75	9	6.87	< 4	0.001	1039	2	< 5
98VB174	-116.4025	41.0914	< .5	0.097	6.61	6	6.67	< 4	0.001	881	2	< 5
98VB175	-116.4096	41.0922	< .5	0.139	6.25	7	7.69	< 4	0.001	931	2	< 5
98VB176	-116.4168	41.0947	< .5	0.117	7.64	7	6.4	< 4	0.0007	889	2	< 5
98VB177	-116.4305	41.0634	< .5	0.086	7.35	6	4.44	< 4	0.001	1183	2	< 5
98VB178	-116.4289	41.0674	< .5	0.087	7.25	10	6.63	< 4	0.001	1738	2	< 5
98VB179	-116.4258	41.0643	< .5	0.078	7.4	< 5	4.04	< 4	0.003	5532	2	< 5
98VB180	-116.407	41.0359	< .5	0.105	6.6	14	14.1	< 4	0.016	3895	2	< 5
98VB181	-116.4109	41.0472	< .5	0.084	7	8	8.71	< 4	0.002	2001	2	< 5
98VB182	-116.4094	41.0533	< .5	0.094	6.65	8	7.91	< 4	0.005	5542	2	< 5
98VB183	-116.4321	41.0568	< .5	0.067	7.69	14	9.37	< 4	0.0008	1058	2	< 5

Table 2—cont'd.

Sample no.	longitude	latitude	Acme Ag ppm	USML Ag ppm	Acme Al weight %	Acme As ppm	USML As ppm	Acme Au ppm	USML Au ppm	Acme Ba ppm	Acme Be ppm	Acme Bi ppm
98VB184	-116.4275	41.0601	< .5	0.098	7.81	11	7.98	< 4	0.001	7579	2	< 5
98VB185	-116.4224	41.0566	< .5	0.107	6.49	21	17.8	< 4	0.003	3189	2	< 5
98VB186	-116.4207	41.0424	< .5	0.294	5.46	23	20.6	< 4	0.025	4025	1	< 5
98VB187	-116.4088	41.0602	< .5	0.1	7.24	5	6.12	< 4	0.002	1255	2	< 5
98VB188	-116.4073	41.0636	< .5	0.118	6.88	11	8.32	< 4	0.005	1321	2	< 5
98VB189	-116.406	41.0696	< .5	0.132	6.53	12	10.4	< 4	0.014	1541	2	< 5
98VB190	-116.4082	41.0733	< .5	0.098	7.11	9	7.86	< 4	0.005	1904	2	< 5
98VB191	-116.4024	41.0745	< .5	0.1	7.19	10	8.13	< 4	0.004	1700	2	< 5
98VB192	-116.4052	41.0772	< .5	0.101	7.15	10	8.4	< 4	0.001	1064	2	< 5
98VB193	-116.4013	41.0815	< .5	0.151	6.49	11	7.24	< 4	0.006	1093	2	< 5
98VB194	-116.3987	41.0765	< .5	0.115	6.84	8	7.84	< 4	0.003	3704	2	< 5
98VB195	-116.3992	41.0719	< .5	0.116	6.33	9	8.07	< 4	0.004	2142	2	< 5
98VB196	-116.3941	41.0572	< .5	0.088	7.18	8	6.74	< 4	0.004	2449	2	< 5
98VB197	-116.3899	41.0606	< .5	0.094	7	7	6.64	< 4	0.003	3191	2	< 5
98VB198	-116.3855	41.0633	< .5	0.096	6.79	7	6.7	< 4	0.003	3808	2	< 5
98VB199	-116.3784	41.0652	< .5	0.101	7.03	8	7.8	< 4	0.005	1255	2	< 5
98VB200	-116.3828	41.0662	< .5	0.105	6.69	10	9.05	< 4	0.013	1589	2	< 5
98VB201	-116.3922	41.0645	< .5	N.d.	6.61	8	N.d.	< 4	N.d.	2571	2	< 5
98VB202	-116.3987	41.0188	< .5	0.129	7.09	12	9.16	< 4	0.006	1043	2	< 5
98VB203	-116.3851	41.0377	< .5	0.123	6.29	< 5	6.71	< 4	0.004	1438	2	< 5
98VB204	-116.3795	41.0394	< .5	0.116	6.14	6	7.91	< 4	0.012	1425	2	< 5
98VB205	-116.3758	41.0422	< .5	0.114	6.25	7	7.96	< 4	0.006	1523	2	< 5
98VB206	-116.3808	41.035	< .5	0.108	6.95	5	7.07	< 4	0.004	1124	2	< 5
98VB207	-116.3892	41.034	< .5	0.11	7.16	9	9.61	< 4	0.006	1011	2	< 5
98VB208	-116.3915	41.0304	< .5	0.094	7.23	10	9.72	< 4	0.003	985	2	< 5
98VB209	-116.3968	41.0316	< .5	0.093	6.96	7	7.97	< 4	0.003	1068	2	< 5
98VB210	-116.3942	41.0441	< .5	0.12	6.74	5	5.12	< 4	0.002	1167	2	< 5
98VB211	-116.3893	41.0463	< .5	0.122	6.77	< 5	6.28	< 4	0.002	1314	2	< 5
98VB212	-116.3838	41.0471	< .5	N.d.	6.55	7	N.d.	< 4	N.d.	1474	2	< 5
98VB213	-116.3777	41.0477	< .5	0.105	6.57	< 5	4.92	< 4	0.0005	1023	2	< 5
98VB214	-116.3973	41.0418	< .5	0.112	6.73	8	7	< 4	0.004	1803	2	< 5
98SE001	-116.4694	41.0494	< .5	0.051	6.66	10	7.45	< 4	0.003	1310	2	< 5
98SE002	-116.4761	41.036	< .5	0.07	7.38	< 5	5.58	< 4	0.007	862	2	< 5
98SE003	-116.4734	41.0408	< .5	0.071	6.85	5	5.34	< 4	0.001	1340	2	< 5
98SE004	-116.4641	41.0368	< .5	0.091	7.21	6	5.77	< 4	0.0007	909	2	< 5
98SE005	-116.4619	41.0366	< .5	0.073	7.1	< 5	4.28	< 4	0.003	1273	2	< 5
98SE006	-116.4665	41.0528	< .5	0.085	6.43	14	11.7	< 4	0.002	1279	2	< 5
98SE007	-116.3882	41.0161	< .5	0.171	6.61	15	15.4	< 4	0.008	1126	2	< 5
98SE008	-116.3799	41.0145	< .5	0.198	5.6	8	10.9	< 4	0.01	3764	2	< 5
98SE009	-116.3895	41.0105	< .5	0.107	6.76	14	14.8	< 4	0.016	1125	2	< 5
98SE010	-116.3931	41.0112	< .5	0.145	6.82	15	17	< 4	0.136	1245	2	< 5
98SE011	-116.3905	41.0067	< .5	0.168	6.24	22	28.4	< 4	0.02	1519	2	< 5
98SE012	-116.4611	41.0515	< .5	0.064	6.49	19	18.2	< 4	0.003	1573	2	< 5
98SE013	-116.4554	41.043	< .5	0.087	6.32	20	18.8	< 4	0.005	1970	2	< 5
98SE014	-116.4585	41.0398	< .5	0.104	6.75	17	20.7	< 4	0.003	1323	2	< 5
98SE015	-116.4537	41.03	< .5	0.083	7.16	7	6.3	< 4	0.002	871	2	< 5
98SE016	-116.4521	41.0466	< .5	0.106	6.32	21	25.1	< 4	0.005	1851	2	< 5
98SE017	-116.448	41.0532	< .5	0.117	6.73	43	46.4	< 4	0.014	1146	2	< 5
98SE018	-116.4443	41.0139	< .5	0.061	6.57	7	6.51	< 4	0.004	1624	2	< 5
98SE019	-116.4496	41.0138	< .5	0.09	6.63	< 5	6.08	< 4	0.002	984	2	< 5
98SE020	-116.4424	41.0155	< .5	0.077	6.86	< 5	6.31	< 4	0.01	1084	2	< 5
98SE021	-116.4378	41.0116	< .5	0.078	6.97	7	7.09	< 4	0.007	1292	2	< 5
98SE022	-116.4355	41.0122	< .5	0.078	7.2	6	4.99	< 4	0.003	816	2	< 5
98SE023	-116.4271	41.0053	< .5	0.324	7.13	23	11.6	< 4	0.127	1729	2	< 5
98SE024	-116.4586	41.0127	< .5	0.1	5.83	8	9.09	< 4	0.009	935	2	< 5
98SE025	-116.458	41.008	< .5	0.08	7.26	5	5.72	< 4	0.005	871	2	< 5
98SE026	-116.4645	41.0094	< .5	0.115	6.72	5	6.81	< 4	0.002	1030	2	< 5
98SE027	-116.4768	41.0118	< .5	0.094	6.67	6	6.83	< 4	0.003	930	2	< 5
98SE028	-116.4911	41.01	< .5	0.108	6.45	5	6.54	< 4	0.002	896	2	< 5
98SE029	-116.4848	41.0085	< .5	0.086	6.95	6	5.74	< 4	0.0007	893	2	< 5
98SE030	-116.4952	41.0249	< .5	0.096	7.65	7	5.18	< 4	0.001	860	2	< 5
98SE031	-116.4985	41.0257	< .5	0.059	7.27	< 5	3.64	< 4	0.001	783	2	< 5
98SE032	-116.4983	41.019	< .5	0.077	6.82	5	4.2	< 4	0.001	951	2	< 5
98SE033	-116.4724	41.0266	< .5	0.094	6.79	8	7	< 4	0.003	914	2	< 5
98SE034	-116.4661	41.0256	< .5	0.077	6.21	7	7.63	< 4	0.004	961	2	< 5
98SE035	-116.4606	41.0178	< .5	0.097	6.19	6	6.73	< 4	0.003	938	2	< 5
98SE036	-116.4916	41.1166	< .5	0.073	6.34	9	7.48	< 4	0.002	893	2	< 5

Table 2—cont'd

Sample no.	longitude	latitude	Acme Ag ppm	USML Ag ppm	Acme Al weight %	Acme As ppm	USML As ppm	Acme Au ppm	USML Au ppm	Acme Ba ppm	Acme Be ppm	Acme Bi ppm
98SE037	-116.4922	41.1107	< .5	0.069	6.23	6	8.21	< 4	0.002	874	2	< 5
98SE038	-116.4952	41.1106	< .5	0.059	6.82	7	6.2	< 4	0.001	922	2	< 5
98SE039	-116.4927	41.1064	< .5	0.307	6.22	11	9.8	< 4	0.002	966	2	< 5
98SE040	-116.4974	41.0819	< .5	N.d.	7.07	7	N.d.	< 4	N.d.	1055	2	< 5
98SE041	-116.496	41.0885	< .5	0.1	6.86	5	7.17	< 4	0.007	1028	2	< 5
98SE042	-116.4588	41.1242	< .5	0.08	6.8	< 5	2.82	< 4	0.001	781	2	< 5
98SE043	-116.4549	41.1225	< .5	0.046	6.8	< 5	3.01	< 4	0.001	822	2	< 5
98SE044	-116.462	41.1164	< .5	0.082	6.75	< 5	4.16	< 4	0.002	1249	2	< 5
98SE045	-116.4628	41.1138	< .5	0.069	6.62	< 5	5.34	< 4	0.002	922	2	< 5
98SE046	-116.4679	41.1144	< .5	0.039	6.62	< 5	4.66	< 4	0.004	822	3	< 5
98SE047	-116.47	41.1182	< .5	0.077	6.13	< 5	5.39	< 4	0.005	1023	2	< 5
98SE048	-116.4756	41.1189	< .5	0.087	7.05	5	6.39	< 4	0.0009	1007	2	< 5
98SE049	-116.4662	41.1076	< .5	0.046	6.44	9	3.81	< 4	0.002	1017	3	< 5
98SE050	-116.4613	41.1078	< .5	0.105	6.84	< 5	3.71	< 4	0.001	926	2	< 5
98SE051	-116.4714	41.1052	< .5	0.049	6.84	5	4.38	< 4	0.002	850	2	< 5
98SE052	-116.4492	41.0895	< .5	0.159	4.86	15	14.6	< 4	0.008	934	1	< 5
98SE053	-116.4378	41.0912	< .5	0.144	6.33	9	8.3	< 4	0.008	2122	2	< 5
98SE054	-116.4325	41.0937	< .5	0.104	6.81	< 5	5.22	< 4	0.005	1970	2	< 5
98SE055	-116.4319	41.0902	< .5	0.104	6.63	7	7.69	< 4	0.008	1693	2	< 5
98SE056	-116.4405	41.0846	< .5	0.086	7.25	7	5.58	< 4	0.001	936	2	< 5
98SE057	-116.4488	41.0852	< .5	0.088	6.21	15	13.1	< 4	0.008	905	2	< 5
98SE058	-116.4577	41.0852	< .5	0.043	6.81	5	4.54	< 4	0.003	855	2	< 5
98SE059	-116.4828	41.0912	< .5	0.038	6.9	< 5	3.51	< 4	0.003	786	2	< 5
98SE060	-116.4886	41.0893	< .5	0.041	6.95	< 5	1.33	< 4	0.0007	852	2	< 5
98SE061	-116.4767	41.0816	< .5	0.069	7.67	7	8.32	< 4	0.001	944	2	< 5
98SE062	-116.4741	41.0846	< .5	0.075	6.96	5	5.96	< 4	0.001	915	2	< 5
98SE063	-116.4756	41.0902	< .5	0.049	6.95	< 5	4.65	< 4	0.002	854	2	< 5
98SE064	-116.4648	41.0932	< .5	0.042	6.91	< 5	3.93	< 4	0.001	839	2	< 5
98SE065	-116.4627	41.0887	< .5	0.07	7.33	8	6.11	< 4	0.001	985	2	< 5
98SE066	-116.4685	41.0877	< .5	0.076	7.6	< 5	6.39	< 4	0.003	982	2	< 5
98SE067	-116.475	41.0592	< .5	0.076	6.89	11	9.59	< 4	0.007	1228	2	< 5
98SE068	-116.4761	41.0635	< .5	0.08	7.13	< 5	5.96	< 4	0.001	968	2	< 5
98SE069	-116.4758	41.0694	< .5	0.077	6.94	7	5.5	< 4	0.001	963	2	< 5
98SE070	-116.48	41.0722	< .5	0.09	7.24	< 5	6.94	< 4	0.001	877	2	< 5
98SE071	-116.4836	41.0755	< .5	0.071	6.83	< 5	6.61	< 4	0.003	1060	2	< 5
98SE072	-116.4755	41.0753	< .5	0.063	6.61	< 5	4.61	< 4	0.009	982	2	< 5
98SE073	-116.4715	41.0757	< .5	0.092	7.02	6	6.5	< 4	0.004	982	2	< 5
98SE074	-116.4692	41.0703	< .5	0.074	6.92	6	6.03	< 4	0.004	1130	2	< 5
98SE075	-116.4715	41.0648	< .5	0.064	7.09	7	5.36	< 4	0.002	1111	2	< 5
98SE076	-116.392	41.1207	< .5	0.169	6.31	6	7.89	< 4	0.004	837	2	< 5
98SE077	-116.3981	41.1236	< .5	0.096	7.13	10	5.51	< 4	0.001	833	2	< 5
98SE078	-116.4029	41.1213	< .5	0.141	6.23	5	6.45	< 4	0.003	882	2	< 5
98SE079	-116.3994	41.1184	< .5	0.088	6.35	5	5.71	< 4	0.003	880	2	< 5
98SE080	-116.3976	41.1155	< .5	0.085	6.29	5	5.7	< 4	0.004	2851	2	< 5
98SE082	-116.3805	41.1226	< .5	0.116	6.68	6	7.34	< 4	0.002	829	2	< 5
98SE083	-116.3783	41.1218	0.6	0.189	6.17	9	10.9	< 4	0.006	961	2	< 5
98SE084	-116.3787	41.1194	< .5	N.d.	5.95	6	N.d.	< 4	N.d.	733	2	< 5
98SE085	-116.3763	41.1151	0.5	0.174	4.03	5	6.41	< 4	0.004	710	1	< 5
98SE086	-116.3832	41.1158	< .5	0.097	5.98	7	8.21	< 4	0.004	1031	2	< 5
98SE087	-116.3934	41.1116	< .5	0.077	6.03	8	8.01	< 4	0.004	3179	2	< 5
98SE088	-116.3819	41.0995	< .5	0.133	5.63	10	9.62	< 4	0.005	837	1	< 5
98SE089	-116.391	41.0996	< .5	0.126	6.16	5	8.56	< 4	0.003	923	2	< 5
98SE090	-116.4015	41.0968	0.5	0.203	5.84	< 5	8.46	< 4	0.003	869	2	< 5
98SE091	-116.4024	41.1028	< .5	0.136	6.09	6	6.22	< 4	0.01	1188	2	< 5
98SE092	-116.421	41.1051	< .5	0.102	6.43	6	6.67	< 4	0.005	5258	2	< 5
98SE093	-116.4254	41.0959	< .5	N.d.	5.93	8	N.d.	< 4	N.d.	5898	2	< 5
98SE094	-116.4321	41.097	< .5	N.d.	5.41	5	N.d.	< 4	N.d.	878	2	< 5
98SE095	-116.4276	41.0899	< .5	0.136	6.52	7	7.97	< 4	0.004	1092	2	< 5
98SE096	-116.4143	41.0825	< .5	0.118	7.26	5	9.56	< 4	0.006	1177	2	< 5
98SE097	-116.4216	41.0845	< .5	0.094	7.33	13	8.95	< 4	0.006	6560	2	< 5
98SE098	-116.4165	41.0927	< .5	0.099	6.79	5	7.03	< 4	0.006	1776	2	< 5
98SE099	-116.4347	41.0618	< .5	N.d.	6.78	13	N.d.	< 4	N.d.	942	2	< 5
98SE100	-116.4107	41.0398	< .5	0.128	6.69	16	13	< 4	0.003	1085	2	< 5
98SE101	-116.4157	41.048	< .5	0.15	6.17	10	12.3	< 4	0.002	925	2	< 5
98SE102	-116.4144	41.0525	< .5	0.114	6.72	7	8.14	< 4	0.004	1841	2	< 5
98SE103	-116.4325	41.0459	< .5	N.d.	6.89	20	N.d.	< 4	N.d.	2732	2	< 5
98SE104	-116.4326	41.05	< .5	0.144	6.62	13	16.1	< 4	0.028	1341	2	< 5

Table 2—cont'd.

Sample no.	longitude	latitude	Acme Ag ppm	USML Ag ppm	Acme Al weight %	Acme As ppm	USML As ppm	Acme Au ppm	USML Au ppm	Acme Ba ppm	Acme Be ppm	Acme Bi ppm
98SE105	-116.4217	41.0469	< .5	0.137	6.45	22	20	< 4	0.003	1025	2	< 5
98SE106	-116.4048	41.0416	< .5	0.129	4.3	15	15.1	< 4	0.007	2908	1	< 5
98SE107	-116.3816	41.0928	< .5	N.d.	6.4	8	N.d.	< 4	N.d.	921	2	< 5
98SE108	-116.3868	41.09	< .5	N.d.	5.58	7	N.d.	< 4	N.d.	973	2	< 5
98SE109	-116.3813	41.0862	< .5	N.d.	3.19	< 5	N.d.	< 4	N.d.	508	1	< 5
98SE110	-116.3842	41.0795	< .5	0.136	5.42	5	7.44	< 4	0.004	856	1	< 5
98SE111	-116.3811	41.0783	< .5	0.149	6.12	9	7.93	< 4	0.001	951	2	< 5
98SE112	-116.3874	41.0765	0.5	0.219	3.4	5	6.14	< 4	0.004	1876	1	< 5
98SE113	-116.3869	41.0715	< .5	0.122	6.54	7	8.54	< 4	0.01	931	2	< 5
98SE114	-116.3918	41.0698	< .5	N.d.	6.64	12	N.d.	< 4	N.d.	1998	2	< 5
98SE116	-116.3877	41.0595	< .5	N.d.	6.45	9	N.d.	< 4	N.d.	1715	2	< 5
98SE117	-116.38	41.0616	< .5	0.111	6.16	5	7.41	< 4	0.006	1833	2	< 5
98SE118	-116.3757	41.0634	< .5	N.d.	6.54	7	N.d.	< 4	N.d.	1676	2	< 5
98SE119	-116.3841	41.0575	< .5	0.108	6.96	6	7.93	< 4	0.003	1390	2	< 5
98SE120	-116.3905	41.0526	< .5	0.08	6.82	5	6.79	< 4	0.002	1226	2	< 5
98SE121	-116.3898	41.0558	< .5	0.101	6.28	8	7.17	< 4	0.003	2166	2	< 5
98SE122	-116.4008	41.0126	< .5	0.109	6.57	8	9.01	< 4	0.007	1032	2	< 5
98SE123	-116.395	41.0367	< .5	0.079	7.26	11	8.53	< 4	0.005	1202	2	< 5
98SE124	-116.3909	41.04	< .5	0.074	7.76	7	5.75	< 4	0.0002	1025	2	< 5
98SE125	-116.3846	41.0408	< .5	N.d.	6.93	5	N.d.	< 4	N.d.	1100	2	< 5
98SE126	-116.3932	41.0354	< .5	0.11	6.47	9	8.15	< 4	0.006	1384	2	< 5
98SE127	-116.401	41.0342	< .5	0.195	4.49	8	8.53	< 4	0.011	5838	1	< 5
98SE128	-116.4008	41.0386	< .5	N.d.	4.48	11	N.d.	< 4	N.d.	2988	1	< 5
98SE129	-116.3953	41.0454	< .5	0.128	6.81	7	8.44	< 4	0.004	1592	2	< 5
98SE130	-116.3905	41.049	< .5	0.136	6.86	9	8.47	< 4	0.003	1869	2	< 5
98SE131	-116.3858	41.0521	< .5	0.134	6.85	7	8.74	< 4	0.008	1950	2	< 5
98SE132	-116.3793	41.0551	< .5	0.154	6.7	11	10.6	< 4	0.006	2734	2	< 5
98SE133	-116.3961	41.0495	< .5	0.251	4.09	10	7.17	< 4	0.007	1885	1	< 5
98SE140	-116.2599	41.1135	0.9	0.549	5.85	< 5	7.8	< 4	0.017	3791	1	< 5
98SE141	-116.2572	41.1073	1.2	0.785	4.03	7	7.05	< 4	0.011	2516	1	< 5
98SE142	-116.2592	41.1102	1.2	1.04	5.47	24	22.7	< 4	0.018	2368	1	< 5
98SE143	-116.2667	41.1144	N.d.	0.617	N.d.	N.d.	7.47	N.d.	0.008	N.d.	N.d.	N.d.
98SE144	-116.2729	41.1183	0.9	0.607	5.15	7	9.49	< 4	0.012	1231	1	< 5
98SE145	-116.2688	41.1184	0.6	0.292	5.54	8	8.77	< 4	0.007	2319	1	< 5
98SE146	-116.3164	41.1189	< .5	0.193	5.49	5	8.23	< 4	0.003	945	1	< 5
98SE147	-116.2863	41.1225	0.6	0.318	5.59	7	8.08	< 4	0.007	996	1	< 5
98SE148	-116.2854	41.1185	< .5	0.154	4.93	< 5	6.75	< 4	0.003	1089	1	< 5
98SE149	-116.2964	41.1157	< .5	0.142	4.57	< 5	6.99	< 4	0.003	1089	1	< 5
98SE150	-116.3046	41.1205	0.7	0.478	5.64	12	10.3	< 4	0.012	1092	1	< 5
98SE151	-116.2777	41.1075	0.8	0.545	4.71	11	8.55	< 4	0.01	1669	1	< 5
98SE152	-116.2876	41.1071	< .5	0.153	5.54	9	8.76	< 4	0.003	1291	1	< 5
98SE153	-116.2848	41.0958	0.8	0.513	5.39	9	5.81	< 4	0.009	1628	1	< 5
98SE154	-116.2845	41.0999	1	0.533	4.14	7	7.57	< 4	0.012	1777	1	< 5
98SE155	-116.3053	41.0896	1.2	0.695	5.75	9	11.1	< 4	0.028	1005	1	< 5
98SE156	-116.3058	41.0868	0.8	0.386	3.66	6	5.19	< 4	0.008	1038	< 1	< 5
98SE157	-116.3033	41.0859	0.7	0.373	3.82	6	4.35	< 4	0.009	948	< 1	< 5
98SE158	-116.3018	41.0896	0.8	0.414	4.37	7	6.83	< 4	0.006	1129	1	< 5
98SE159	-116.328	41.1134	< .5	0.158	4.07	5	6.02	< 4	0.006	712	1	< 5
98SE160	-116.3271	41.111	< .5	0.177	4.86	7	6.31	< 4	0.006	1174	1	< 5
98SE161	-116.3335	41.1061	< .5	0.283	5.25	9	8.08	< 4	0.007	1474	1	< 5
98SE162	-116.338	41.1029	< .5	0.131	5	8	9.28	< 4	0.007	1046	1	< 5
98SE163	-116.3346	41.1097	0.5	0.217	5.51	11	10.8	< 4	0.01	870	1	< 5
98SE164	-116.3492	41.1156	< .5	0.165	4.65	6	6.11	< 4	0.003	606	1	< 5
98SE165	-116.3494	41.1194	1.1	0.331	6.18	12	9.93	< 4	0.009	899	1	< 5
98SE166	-116.3527	41.1203	0.6	0.199	6.5	10	10.8	< 4	0.006	887	2	< 5
98SE167	-116.3552	41.1168	< .5	0.11	4.91	8	8.41	< 4	0.002	726	1	< 5
98SE168	-116.3483	41.0929	< .5	0.196	6.18	11	10.3	< 4	0.017	1074	1	< 5
98SE169	-116.3411	41.0925	< .5	0.158	4.6	10	13.2	< 4	0.045	824	1	< 5
98SE170	-116.3399	41.0955	0.5	0.257	5.4	9	8.46	< 4	0.014	1051	1	< 5
98SE171	-116.34	41.0982	< .5	0.155	3.68	7	6.55	< 4	0.003	1711	1	< 5
98SE172	-116.3451	41.0972	< .5	0.147	5.19	12	7.86	< 4	0.008	945	1	< 5
98SE173	-116.3594	41.1166	0.7	0.274	4.98	9	8.17	< 4	0.005	713	1	< 5
98SE174	-116.3621	41.115	< .5	0.108	5.38	8	9.13	< 4	0.001	690	1	< 5
98SE175	-116.3689	41.1162	0.6	0.214	5.3	< 5	7.03	< 4	0.004	804	1	< 5
98SE176	-116.3733	41.1133	< .5	0.107	5.91	15	10.2	< 4	0.005	825	1	< 5
98SE177	-116.3534	41.0827	< .5	0.189	3.69	6	5.98	< 4	0.003	1122	1	< 5
98SE178	-116.3525	41.0783	0.5	0.19	5.62	10	10.3	< 4	0.007	1017	1	< 5

Table 2—cont'd.

Sample no.	longitude	latitude	Acme Ag ppm	USML Ag ppm	Acme Al weight %	Acme As ppm	USML As ppm	Acme Au ppm	USML Au ppm	Acme Ba ppm	Acme Be ppm	Acme Bi ppm
98SE179	-116.3629	41.0786	< .5	0.129	6.48	12	11.6	< 4	0.01	1094	2	< 5
98SE180	-116.3663	41.0804	0.7	0.294	3.72	7	8.33	< 4	0.012	2529	1	< 5
98SE181	-116.3743	41.0789	< .5	0.115	6.53	6	6.79	< 4	0.003	1025	2	< 5
98SE182	-116.3746	41.083	0.5	0.239	6.09	9	7.55	< 4	0.009	1090	1	< 5
98SE183	-116.372	41.0833	0.5	0.305	6.01	11	7.96	< 4	0.007	1170	1	< 5
98SE184	-116.3626	41.0852	< .5	0.182	6.17	12	8.5	< 4	0.007	1105	2	< 5
98SE185	-116.3672	41.0929	0.6	0.312	5.37	8	8.2	< 4	0.005	1265	1	< 5
98SE186	-116.3239	41.047	0.6	0.225	4.87	13	11.6	< 4	0.021	2863	1	< 5
98SE187	-116.3267	41.0486	0.5	0.209	5.37	10	8.3	< 4	0.01	1687	1	< 5
98SE188	-116.3339	41.046	0.6	0.211	4.54	9	8.92	< 4	0.018	4611	1	< 5
98SE189	-116.3366	41.0528	0.5	0.218	4.96	8	7.46	< 4	0.02	2349	1	< 5
98SE190	-116.3376	41.0473	0.6	0.225	5.33	13	7.74	< 4	0.011	4900	1	< 5
98SE191	-116.3419	41.0433	0.6	0.211	4.73	12	11.4	< 4	0.026	2608	1	< 5
98SE192	-116.3478	41.0437	0.5	0.136	5.42	9	7.98	< 4	0.02	1727	1	< 5
98SE193	-116.3472	41.0396	0.5	0.22	5.09	8	12.4	< 4	0.031	4025	1	< 5
98SE194	-116.3477	41.0369	0.6	0.285	5.17	13	9.03	< 4	0.015	1469	1	< 5
98SE195	-116.352	41.036	0.6	0.208	4.6	7	8.14	< 4	0.004	4031	1	< 5
98SE196	-116.3597	41.0347	0.6	0.203	4.66	14	7.67	< 4	0.007	2429	1	< 5
98SE197	-116.2999	41.068	0.8	0.4	5.29	9	5.35	< 4	0.013	1637	1	< 5
98SE198	-116.3063	41.0676	0.6	0.276	4.06	6	4.22	< 4	0.007	2208	1	< 5
98SE199	-116.3102	41.0631	0.6	0.292	4.27	9	8.77	< 4	0.019	3860	1	< 5
98SE200	-116.3109	41.061	0.6	0.318	4.39	13	10.1	< 4	0.026	3199	1	< 5
98SE201	-116.3189	41.0639	0.6	0.262	4.34	10	9.19	< 4	0.022	2178	1	< 5
98SE202	-116.3237	41.0608	0.5	0.238	5.18	7	7.01	< 4	0.014	1613	1	< 5
98SE203	-116.3304	41.0622	0.6	0.277	4.16	7	5.66	< 4	0.01	1786	1	< 5
98SE204	-116.3486	41.0511	0.5	0.104	5.88	7	7.05	< 4	0.014	1703	1	< 5
98SE205	-116.346	41.0511	0.5	0.16	5.55	10	7.56	< 4	0.008	1166	1	< 5
98SE206	-116.3527	41.0464	< .5	0.127	6.15	9	10.5	< 4	0.007	1738	1	< 5
98SE207	-116.3544	41.0373	< .5	0.139	5.58	13	11.3	< 4	0.02	1706	2	< 5
98SE208	-116.3597	41.0366	< .5	0.125	6.17	17	7.24	< 4	0.0009	938	1	< 5
98SE209	-116.3697	41.0294	0.6	0.197	5.14	14	12.1	< 4	0.015	3399	1	< 5
98SE210	-116.3686	41.0338	< .5	0.125	6.76	11	10.9	< 4	0.014	1069	1	< 5
98SE211	-116.3724	41.0456	< .5	0.12	6.43	7	9.65	< 4	0.012	1618	2	< 5
98SE212	-116.3736	41.0367	< .5	0.126	6.45	7	8.09	< 4	0.002	1486	1	< 5
98SE213	-116.3378	41.0692	0.6	0.356	3.89	5	6.93	< 4	0.009	3997	1	< 5
98SE214	-116.3357	41.0756	0.7	0.205	5.85	5	8.95	< 4	0.008	1147	1	< 5
98SE215	-116.3288	41.0771	N.d.	0.316	N.d.	N.d.	9.63	N.d.	0.009	N.d.	N.d.	N.d.
98SE216	-116.3262	41.0786	0.7	0.408	5.41	9	8.68	< 4	0.006	1452	1	< 5
98SE217	-116.3246	41.0761	0.7	0.355	4.78	5	8.56	< 4	0.017	1521	1	< 5
98SE218	-116.3225	41.0744	0.5	0.233	5.32	10	11.1	< 4	0.02	1265	1	< 5
98SE219	-116.3187	41.0762	0.8	0.471	4.85	10	9.73	< 4	0.019	2120	1	< 5
98SE220	-116.3149	41.0793	0.5	0.267	3.47	7	7.91	< 4	0.016	1147	1	< 5
98SE221	-116.3124	41.0799	0.6	0.307	4.21	10	9.7	< 4	0.018	1488	1	< 5
98SE222	-116.3414	41.0701	0.9	0.481	5.15	6	10.6	< 4	0.021	3380	1	< 5
98SE223	-116.3449	41.0745	0.7	0.316	4.31	7	6.37	< 4	0.011	2569	1	< 5
98SE224	-116.3494	41.0731	< .5	0.14	5.88	8	11.1	< 4	0.017	1242	1	< 5
98SE225	-116.3701	41.0585	< .5	0.152	6.62	11	8.91	< 4	0.005	3449	1	< 5
98SE226	-116.3698	41.0621	< .5	0.135	6.75	10	9.47	< 4	0.006	1902	2	< 5
98SE227	-116.3722	41.0645	< .5	0.115	6.63	< 5	7.04	< 4	0.004	2114	1	< 5
98SE228	-116.372	41.0137	< .5	0.139	6.18	9	7.33	< 4	0.004	1107	1	< 5
98SE229	-116.3696	41.0127	< .5	0.131	6.56	5	8.11	< 4	0.007	966	1	< 5
98SE230	-116.3468	41.0144	0.5	0.197	6.75	7	7.22	< 4	0.005	1971	2	< 5
98SE231	-116.3433	41.0122	< .5	0.128	6.75	10	9.89	< 4	0.036	2103	1	< 5
98SE232	-116.34	41.0154	0.6	0.287	5.66	12	12.1	< 4	0.038	2630	1	< 5
98SE233	-116.3387	41.0217	1.2	0.896	6.15	11	11	< 4	0.024	1280	1	< 5
98SE234	-116.3346	41.022	0.7	0.255	4.84	10	10.2	< 4	0.024	2686	1	< 5
98SE235	-116.326	41.0253	0.7	0.346	5.29	11	9.1	< 4	0.014	2376	1	< 5
98SE236	-116.3265	41.028	0.6	0.27	5.3	9	9.44	< 4	0.024	2240	1	< 5
98SE237	-116.3512	41.0116	0.9	0.349	4.83	11	12.1	< 4	0.02	6100	1	< 5
98SE238	-116.3528	41.0149	< .5	0.139	6.44	14	10.1	< 4	0.008	1124	1	< 5
98SE239	-116.356	41.0215	0.5	0.229	5.62	11	14.5	< 4	0.029	1105	1	< 5
98SE240	-116.3598	41.0237	< .5	0.153	6.16	9	10.5	< 4	0.013	998	1	< 5
98SE241	-116.366	41.0166	< .5	0.173	6.33	7	8.83	< 4	0.005	1064	1	< 5
98SE242	-116.3679	41.018	< .5	0.113	6.55	5	5.14	< 4	0.006	1082	1	< 5
98SE243	-116.3414	41.0011	0.5	0.179	6.18	16	12.5	< 4	0.025	2017	2	< 5
98SE244	-116.2546	41.0325	1.1	0.839	5.68	15	12.8	< 4	0.018	2158	2	< 5
98SE245	-116.2555	41.0427	0.5	0.298	4.82	9	9.09	< 4	0.027	2924	1	< 5

Table 2—cont'd

Sample no.	longitude	latitude	Acme Ag ppm	USML Ag ppm	Acme Al weight %	Acme As ppm	USML As ppm	Acme Au ppm	USML Au ppm	Acme Ba ppm	Acme Be ppm	Acme Bi ppm
98SE246	-116.2566	41.0483	0.6	0.353	3.35	9	5.79	< 4	0.008	2498	1	< 5
98SE247	-116.258	41.0522	0.6	0.42	4.19	12	10.4	< 4	0.026	2824	1	< 5
98SE248	-116.2616	41.0519	0.6	0.353	4.82	11	10.5	< 4	0.017	3518	2	< 5
98SE249	-116.2641	41.0594	0.5	0.357	4.84	8	9.12	< 4	0.013	1252	1	< 5
98SE250	-116.2661	41.0561	0.7	0.319	4.42	11	8.8	< 4	0.014	1863	1	< 5
98SE251	-116.2675	41.0972	0.9	0.556	4.31	8	4.77	< 4	0.008	3472	1	< 5
98SE252	-116.2646	41.1003	1.2	0.797	4.17	6	6.09	< 4	0.01	4012	1	< 5
98SE253	-116.2649	41.1045	1	0.58	3.93	6	8.43	< 4	0.01	4482	1	< 5
98SE254	-116.2736	41.0953	1.2	0.913	4.61	10	7.84	< 4	0.013	2207	1	< 5
98SE255	-116.2721	41.0938	0.7	0.524	4.31	7	5.62	< 4	0.011	5248	1	< 5
98TT39	-116.2651	41.0027	1.1	0.703	5.3	22	14.7	< 4	0.017	1540	2	< 5
98TT40	-116.274	41.0041	1	0.574	4.51	14	13.1	< 4	0.014	2473	1	< 5
98TT41	-116.2784	41.0089	1.1	0.942	4.51	11	11.7	< 4	0.014	977	1	< 5
98TT42	-116.2847	41.014	1	0.655	4.96	17	17.2	< 4	0.023	1332	1	< 5
98TT43	-116.2901	41.0163	1.1	0.843	5.62	18	17.4	< 4	0.015	1376	2	< 5
98TT44	-116.2942	41.0159	1.1	0.382	5.77	23	10.4	< 4	0.024	912	2	< 5
98TT45	-116.2925	41.0137	1.2	0.812	5.5	18	17.6	< 4	0.025	1004	1	< 5
98TT46	-116.2546	41.0047	0.9	0.445	5.55	11	11.8	< 4	0.008	1039	1	< 5
98TT47	-116.2514	41.0092	0.6	0.721	4.14	11	16	< 4	0.027	2507	1	< 5
98TT48	-116.2544	41.0241	N.d.	0.573	N.d.	N.d.	13	N.d.	0.027	N.d.	N.d.	N.d.
98TT49	-116.2559	41.0228	0.9	0.629	4.76	16	15.1	< 4	0.031	2293	1	< 5
98TT50	-116.2907	41.0466	N.d.	0.356	N.d.	N.d.	6.35	N.d.	0.008	N.d.	N.d.	N.d.
98TT51	-116.2958	41.0451	N.d.	0.555	N.d.	N.d.	4.67	N.d.	0.016	N.d.	N.d.	N.d.
98TT52	-116.2972	41.031	N.d.	0.411	N.d.	N.d.	7.73	N.d.	0.005	N.d.	N.d.	N.d.
98TT53	-116.3024	41.0298	N.d.	0.487	N.d.	N.d.	11.4	N.d.	0.016	N.d.	N.d.	N.d.
98TT54	-116.281	41.0332	0.5	0.259	6.06	15	13.4	< 4	0.019	2821	2	< 5
98TT55	-116.281	41.0314	1.3	0.995	5.98	23	19.9	< 4	0.04	2028	2	< 5
98TT56	-116.2733	41.0294	N.d.	0.387	N.d	N.d.	12.4	N.d.	0.01	N.d.	N.d.	N.d.
98TT57	-116.2717	41.0278	1.4	0.818	4.93	21	19	< 4	0.031	1386	1	< 5
98TT58	-116.2697	41.0351	0.5	0.547	4.27	8	10.9	< 4	0.017	1609	1	< 5
98TT59	-116.2724	41.0344	0.6	0.453	4.71	13	12.1	< 4	0.015	2374	2	< 5
98TT60	-116.2718	41.0766	N.d.	0.467	N.d.	N.d.	5.04	N.d.	0.006	N.d.	N.d.	N.d.
98TT61	-116.2665	41.0724	< .5	0.271	4.6	8	6.7	< 4	0.005	1208	1	< 5
98TT62	-116.2651	41.0693	0.7	0.317	5.58	16	7.23	< 4	0.009	2699	2	< 5
98TT63	-116.2694	41.0693	N.d.	0.352	N.d.	N.d.	4.37	N.d.	0.005	N.d.	N.d.	N.d.
98TT64	-116.2703	41.0675	0.6	0.274	3.9	5	4.68	< 4	0.003	3034	< 1	< 5
98TT65	-116.3256	41.0015	0.9	0.589	5.7	23	26.9	< 4	0.079	2208	1	< 5
98TT66	-116.3294	41.0024	0.6	0.23	5.9	13	8.35	< 4	0.01	1786	1	< 5
98TT67	-116.3229	41.016	0.6	0.281	5.88	27	20.6	< 4	0.015	2253	2	< 5
98TT68	-116.3227	41.0175	0.6	0.192	5.22	14	9.25	< 4	0.006	4712	1	< 5
98TT69	-116.3177	41.0202	N.d.	0.253	N.d.	N.d.	9.86	N.d.	0.025	N.d.	N.d.	N.d.

Table 3—Analytical data for Bi, Ca, Cd, Ce, Co, Cr, Cs, and Cu for stream-sediment samples from the Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles, Nev.

[Analytical procedures, see text; elements analyzed by Acme laboratories, total digestion; elements analyzed by USML laboratories, partial digestion. N.d., not determined; ppm, parts per million]

Sample no.	longitude	latitude	USML Bi ppm	Acme Ca weight %	Acme Cd ppm	USML Cd ppm	Acme Ce ppm	Acme Co ppm	Acme Cr ppm	Acme Cs ppm	Acme Cu ppm	USML Cu ppm
98VB053	-116.4955	41.0478	0.277	1.68	0.4	0.158	104	16	188	< 5	16	12
98VB054	-116.4953	41.0394	0.228	1.53	< .4	0.183	81	11	134	< 5	17	12.9
98VB055	-116.4931	41.0332	0.272	1.78	< .4	0.222	81	12	191	< 5	19	15.6
98VB056	-116.4981	41.0365	0.223	1.84	< .4	0.195	97	15	173	< 5	17	13.7
98VB057	-116.4924	41.0463	0.807	1.44	< .4	0.309	146	23	302	< 5	13	14.4
98VB058	-116.492	41.0413	0.254	1.47	< .4	0.176	88	9	128	< 5	18	13.3
98VB059	-116.4869	41.0364	0.251	1.7	0.7	0.224	94	16	314	< 5	18	15.2
98VB060	-116.4856	41.0321	0.22	1.79	< .4	0.254	69	9	192	< 5	21	16.3
98VB061	-116.4808	41.0358	0.319	1.57	< .4	0.271	86	9	369	< 5	20	16.9
98VB062	-116.4814	41.0413	0.383	1.34	< .4	0.383	142	11	227	< 5	17	14.6
98VB063	-116.4804	41.042	0.392	1.44	0.7	0.325	153	17	465	< 5	18	15.2
98VB064	-116.4841	41.0465	0.323	1.51	< .4	0.224	124	13	160	< 5	15	11.4
98VB065	-116.4876	41.0496	0.301	1.56	< .4	0.178	96	10	110	< 5	16	11.3
98VB066	-116.4933	41.0543	0.209	1.15	< .4	0.161	106	4	100	< 5	12	9.05
98VB067	-116.4944	41.0602	0.325	1.35	< .4	0.297	113	9	280	< 5	18	15.2
98VB068	-116.484	41.0603	0.361	1.33	< .4	0.296	105	9	326	< 5	17	14.1
98VB069	-116.479	41.0568	0.358	1.8	< .4	0.199	78	5	180	< 5	19	11.9
98VB070	-116.4736	41.055	0.267	1.59	< .4	0.13	92	5	81	< 5	16	8.26
98VB071	-116.4729	41.0491	0.256	1.43	< .4	0.238	124	12	290	< 5	22	17.5
98VB072	-116.4617	41.0403	0.316	1.5	< .4	0.291	116	11	296	< 5	22	15.4
98VB073	-116.463	41.045	0.299	1.35	< .4	0.576	124	13	382	< 5	25	19.3
98VB074	-116.4654	41.0583	0.281	1.22	< .4	0.656	140	15	278	< 5	23	14.7
98VB075	-116.3825	41.0243	0.281	1.56	< .4	0.492	71	9	322	< 5	28	22.3
98VB076	-116.3847	41.0161	0.29	1.5	< .4	0.608	81	13	267	< 5	31	24.2
98VB077	-116.3812	41.0123	0.353	0.98	0.7	1.67	57	11	375	< 5	60	52.8
98VB078	-116.3881	41.0099	0.245	0.98	< .4	0.89	53	12	297	< 5	48	39.4
98VB079	-116.3952	41.0061	0.291	1.01	< .4	1.31	55	12	342	< 5	55	48.9
98VB080	-116.4626	41.0558	0.305	1.37	0.8	0.96	116	11	207	< 5	31	21
98VB081	-116.4579	41.0493	0.288	1.19	1.8	2.23	123	20	232	< 5	35	27.4
98VB082	-116.4521	41.0354	0.173	1.52	< .4	0.268	110	12	226	< 5	24	16.6
98VB083	-116.4504	41.0396	0.411	1.23	< .4	0.779	111	17	241	< 5	42	33.8
98VB084	-116.4473	41.0431	0.33	1.51	< .4	1.02	86	13	229	< 5	28	23.4
98VB085	-116.4583	41.0594	0.22	1.53	< .4	0.42	119	10	205	< 5	21	15.3
98VB086	-116.4544	41.0625	0.26	1.62	0.5	0.881	91	12	246	< 5	32	27.2
98VB087	-116.441	41.062	0.28	1.49	0.6	0.979	60	9	236	< 5	33	28.3
98VB088	-116.446	41.0582	0.349	1.36	1.8	2.35	64	12	172	< 5	51	46.6
98VB089	-116.4392	41.0554	0.299	1.24	1.9	2.03	59	8	213	< 5	56	45.6
98VB090	-116.4523	41.0549	0.334	1.54	3	3.14	82	13	185	< 5	39	33.4
98VB091	-116.4494	41.052	0.3	1.19	1.9	2.1	73	13	257	< 5	56	44.6
98VB092	-116.4431	41.0491	0.316	1.15	1.9	2.06	63	13	242	< 5	44	36.6
98VB093	-116.4384	41.0437	0.275	1.26	0.9	1.29	51	9	191	< 5	36	30.6
98VB094	-116.429	41.009	0.193	1.6	< .4	0.307	91	8	258	< 5	20	16.5
98VB095	-116.4319	41.0133	0.187	1.57	< .4	0.259	120	11	408	< 5	21	15.9
98VB096	-116.4356	41.0173	0.168	1.53	< .4	0.241	112	12	287	< 5	22	16.1
98VB097	-116.4425	41.0211	0.182	1.35	< .4	0.303	119	14	377	< 5	27	21.1
98VB098	-116.4488	41.0244	0.297	1.4	< .4	0.411	62	10	188	< 5	34	27.5
98VB099	-116.4584	41.0037	0.182	1.48	< .4	0.264	98	14	192	< 5	22	17.2
98VB100	-116.4576	41.0004	0.234	1.45	< .4	0.274	86	10	195	< 5	25	19.3
98VB101	-116.4626	41.0045	0.228	1.55	< .4	0.25	84	7	103	< 5	20	15.7
98VB102	-116.4686	41.0068	0.28	1.34	< .4	0.37	50	8	226	< 5	31	26.8
98VB103	-116.4826	41.0043	0.305	1.53	< .4	0.54	62	11	229	< 5	29	26.8
98VB104	-116.4769	41.0016	0.287	1.49	< .4	0.376	61	11	159	< 5	24	20.1
98VB105	-116.4961	41.014	0.15	1.64	< .4	0.277	68	12	185	< 5	23	19.6
98VB106	-116.489	41.0194	0.156	1.6	< .4	0.324	67	11	194	< 5	28	22.5
98VB107	-116.485	41.0155	0.307	1.44	< .4	0.433	62	10	142	< 5	28	24.6
98VB108	-116.4799	41.018	0.293	1.38	< .4	0.382	66	11	100	< 5	23	21
98VB109	-116.4812	41.0232	0.236	1.61	< .4	0.365	66	10	150	< 5	25	23.5
98VB110	-116.4746	41.0218	0.308	1.53	< .4	0.341	65	9	141	< 5	24	22.6
98VB111	-116.4676	41.0194	0.265	1.49	< .4	0.384	75	11	127	< 5	19	19.2
98VB112	-116.4966	41.1206	0.288	1.4	< .4	0.318	91	11	151	< 5	17	15.6
98VB113	-116.4945	41.123	0.253	1.37	< .4	0.176	88	8	195	< 5	17	16.4
98VB114	-116.4983	41.1057	0.227	1.57	< .4	0.192	94	12	135	< 5	15	12.2
98VB115	-116.4933	41.1016	0.249	1.43	< .4	0.239	84	10	158	< 5	20	17.7
98VB116	-116.4937	41.0978	0.224	1.51	< .4	0.208	90	8	134	< 5	17	15.8

Table 3—cont'd.

Sample no.	longitude	latitude	USML Bi ppm	Acme Ca weight %	Acme Cd ppm	USML Cd ppm	Acme Ce ppm	Acme Co ppm	Acme Cr ppm	Acme Cs ppm	Acme Cu ppm	USML Cu ppm
98VB117	-116.4971	41.0989	0.286	1.45	< .4	0.275	106	13	188	< 5	20	18.2
98VB118	-116.4966	41.0929	0.281	1.35	< .4	0.141	93	8	157	< 5	17	17.4
98VB119	-116.4537	41.109	0.256	1.27	< .4	0.719	80	11	171	< 5	26	26
98VB120	-116.4477	41.115	0.228	1.23	< .4	0.949	93	16	186	< 5	30	29.5
98VB121	-116.4472	41.1188	0.229	1.85	< .4	0.181	118	7	280	< 5	20	19.3
98VB122	-116.4405	41.1189	0.188	1.15	< .4	0.769	71	12	180	< 5	28	25.1
98VB123	-116.4364	41.1211	N.d.	1.24	0.8	N.d.	83	13	242	< 5	49	N.d.
98VB124	-116.4356	41.1191	0.218	1.09	< .4	0.673	102	15	240	< 5	26	24.3
98VB125	-116.4332	41.1166	0.379	1.04	< .4	0.364	87	11	275	< 5	18	17.7
98VB126	-116.4624	41.1029	0.259	1.34	< .4	0.408	85	11	143	< 5	23	21
98VB127	-116.4517	41.1035	0.31	1.36	< .4	0.436	73	10	138	< 5	25	23.5
98VB128	-116.4419	41.1026	0.28	1.34	< .4	0.391	67	10	259	< 5	24	22.8
98VB129	-116.4452	41.0997	0.296	1.43	< .4	0.511	67	10	162	< 5	25	23.8
98VB130	-116.4508	41.0956	0.26	1.38	< .4	0.238	151	12	206	< 5	15	11.7
98VB131	-116.4518	41.0915	0.27	1.39	< .4	0.186	208	20	153	< 5	11	7.9
98VB132	-116.4575	41.0881	0.328	1.32	0.4	0.852	114	11	175	< 5	25	24.2
98VB133	-116.4782	41.094	0.192	1.4	< .4	0.17	108	10	111	< 5	17	15.1
98VB134	-116.4828	41.0947	0.272	1.23	< .4	0.177	101	8	105	< 5	17	15.1
98VB135	-116.4882	41.0967	0.314	1.42	< .4	0.304	89	8	151	< 5	18	17.7
98VB136	-116.4803	41.0986	0.294	1.42	< .4	0.225	84	8	144	< 5	19	17.3
98VB137	-116.48	41.1052	0.332	1.54	< .4	0.427	103	12	245	< 5	23	18.6
98VB138	-116.4711	41.0952	0.189	1.58	0.4	0.167	114	14	172	< 5	21	13.6
98VB139	-116.473	41.1015	0.194	1.5	< .4	0.209	119	10	214	< 5	17	13.4
98VB140	-116.4675	41.0987	0.214	1.67	< .4	0.235	102	11	261	< 5	24	19.6
98VB141	-116.4988	41.0662	0.348	1.29	< .4	0.363	128	8	362	< 5	51	46.7
98VB142	-116.493	41.0727	0.313	1.47	< .4	0.293	109	9	380	< 5	17	15
98VB143	-116.4893	41.0668	N.d.	1.37	< .4	N.d.	105	10	928	< 5	60	N.d.
98VB144	-116.4893	41.0634	0.37	1.45	< .4	0.274	125	10	310	< 5	22	19.8
98VB145	-116.4739	41.061	0.284	1.54	< .4	0.342	88	8	351	< 5	47	45.6
98VB146	-116.4507	41.0691	0.327	1.36	0.4	0.696	76	14	236	< 5	36	30.3
98VB147	-116.4565	41.071	0.337	1.58	< .4	0.374	95	9	168	< 5	19	16.5
98VB148	-116.4526	41.0792	0.262	1.43	0.6	0.658	94	16	240	< 5	41	36.2
98VB149	-116.4457	41.0763	0.31	1.17	< .4	0.615	78	10	238	< 5	44	41.3
98VB150	-116.4409	41.0717	0.281	1.51	0.7	1.12	75	16	205	< 5	43	37.8
98VB151	-116.4394	41.0669	0.309	1.46	1.4	1.8	70	16	272	< 5	48	44.3
98VB152	-116.4411	41.0773	0.22	1.74	0.4	0.717	92	16	206	< 5	26	23.8
98VB153	-116.4356	41.0782	0.334	1.38	1	1.25	66	12	181	< 5	36	33.3
98VB154	-116.4196	41.1123	0.262	1.47	< .4	0.368	148	7	90	< 5	14	9.51
98VB155	-116.424	41.1154	0.269	1.55	< .4	0.244	118	12	144	< 5	27	24.2
98VB156	-116.4213	41.1189	0.253	1.22	< .4	0.611	70	10	258	< 5	29	27.9
98VB157	-116.417	41.1192	0.231	1.39	< .4	0.207	89	7	231	< 5	20	17.6
98VB158	-116.4127	41.1144	0.212	1.28	< .4	0.166	89	7	212	< 5	21	18.2
98VB159	-116.4177	41.124	0.277	1.45	0.8	1.29	104	14	255	< 5	24	21.5
98VB160	-116.4099	41.122	0.357	1.3	0.8	1.37	70	12	325	< 5	36	31.3
98VB161	-116.4057	41.1186	0.257	1.31	< .4	0.432	74	11	339	< 5	31	29.9
98VB162	-116.4078	41.119	0.29	1.35	< .4	0.206	85	10	224	< 5	25	21.2
98VB163	-116.4054	41.1139	0.296	1.34	< .4	0.181	89	10	215	< 5	22	19.9
98VB164	-116.3992	41.1095	0.281	1.27	< .4	0.273	90	11	169	< 5	21	16.5
98VB165	-116.3905	41.1074	0.312	1.01	< .4	0.47	61	11	532	< 5	31	29.2
98VB166	-116.3952	41.1032	0.293	0.94	< .4	0.49	60	11	499	< 5	23	21
98VB167	-116.3886	41.1044	0.295	0.86	< .4	0.528	48	7	364	< 5	21	21.1
98VB168	-116.381	41.1051	0.323	0.73	< .4	0.272	51	8	682	< 5	24	22.9
98VB169	-116.4109	41.1041	N.d.	1.05	< .4	N.d.	61	9	1241	< 5	26	N.d.
98VB170	-116.4046	41.1053	0.286	1.02	< .4	0.404	59	7	477	< 5	21	19.6
98VB171	-116.4243	41.1007	0.201	1.25	< .4	0.352	73	10	382	< 5	21	18.4
98VB172	-116.4115	41.0887	0.289	1.09	0.5	0.748	57	10	337	< 5	29	26.7
98VB173	-116.4024	41.0882	0.323	1.28	0.7	0.859	63	11	361	< 5	34	28.6
98VB174	-116.4025	41.0914	0.296	1.17	0.4	0.59	58	9	229	< 5	28	25.1
98VB175	-116.4096	41.0922	0.349	1.13	1	1.11	54	10	289	< 5	35	32.8
98VB176	-116.4168	41.0947	0.327	1.33	0.6	0.598	56	7	173	< 5	38	32.8
98VB177	-116.4305	41.0634	0.257	1.64	< .4	0.383	71	8	241	< 5	23	18.6
98VB178	-116.4289	41.0674	0.223	1.48	0.5	0.386	75	8	228	< 5	25	21.5
98VB179	-116.4258	41.0643	0.27	1.53	< .4	0.354	79	8	322	< 5	21	17.1
98VB180	-116.407	41.0359	0.308	1.42	< .4	0.479	66	12	327	< 5	26	21.9
98VB181	-116.4109	41.0472	0.265	1.33	0.5	0.753	68	11	181	< 5	30	24.7

Table 3—cont'd.

Sample no.	longitude	latitude	USML Bi ppm	Acme Ca weight %	Acme Cd ppm	USML Cd ppm	Acme Ce ppm	Acme Co ppm	Acme Cr ppm	Acme Cs ppm	Acme Cu ppm	USML Cu ppm
98VB182	-116.4094	41.0533	0.265	1.37	< .4	0.376	74	10	259	< 5	22	18.4
98VB183	-116.4321	41.0568	0.297	1.12	0.8	0.597	59	9	267	< 5	33	25.3
98VB184	-116.4275	41.0601	0.348	1.37	0.4	0.439	72	9	241	< 5	32	24.7
98VB185	-116.4224	41.0566	0.262	1.13	0.5	0.37	54	13	209	< 5	37	32.7
98VB186	-116.4207	41.0424	0.287	9.7	1.5	1.36	45	12	211	< 5	51	47.6
98VB187	-116.4088	41.0602	0.325	1.32	< .4	0.423	67	13	209	< 5	27	21.9
98VB188	-116.4073	41.0636	0.343	1.31	0.4	0.555	70	11	318	< 5	29	25.4
98VB189	-116.406	41.0696	0.362	1.15	0.6	0.772	73	14	351	< 5	31	28.5
98VB190	-116.4082	41.0733	0.32	1.18	0.5	0.514	63	10	198	< 5	31	27.1
98VB191	-116.4024	41.0745	0.334	1.14	0.5	0.551	57	10	274	< 5	34	28.1
98VB192	-116.4052	41.0772	0.35	1.16	1	1.09	56	11	220	< 5	38	32.9
98VB193	-116.4013	41.0815	0.349	1.2	0.6	0.841	61	12	358	< 5	30	26.6
98VB194	-116.3987	41.0765	0.328	1.11	0.5	0.575	58	10	340	< 5	35	31
98VB195	-116.3992	41.0719	0.279	0.95	0.5	0.514	66	11	432	< 5	31	26
98VB196	-116.3941	41.0572	0.242	1.45	< .4	0.332	64	10	259	< 5	26	21.2
98VB197	-116.3899	41.0606	0.246	1.34	< .4	0.314	64	11	326	< 5	27	22.9
98VB198	-116.3855	41.0633	0.272	1.2	< .4	0.449	67	11	265	< 5	29	26.2
98VB199	-116.3784	41.0652	0.327	1.22	0.4	0.453	60	10	303	< 5	33	28.8
98VB200	-116.3828	41.0662	0.361	1.2	0.5	0.532	59	10	191	< 5	32	27.7
98VB201	-116.3922	41.0645	N.d.	1.12	0.4	N.d.	62	9	393	< 5	33	N.d.
98VB202	-116.3987	41.0188	0.334	1.43	0.5	0.582	66	10	305	< 5	32	25.6
98VB203	-116.3851	41.0377	0.308	1.12	0.8	0.912	60	10	372	< 5	32	27.1
98VB204	-116.3795	41.0394	0.347	1.08	0.7	1.05	59	10	384	< 5	34	31.7
98VB205	-116.3758	41.0422	0.356	1.08	0.6	1.18	59	11	299	< 5	42	34.6
98VB206	-116.3808	41.035	0.349	1.52	< .4	0.478	65	12	354	< 5	27	21.9
98VB207	-116.3892	41.034	0.353	1.5	< .4	0.465	74	11	261	< 5	28	22.3
98VB208	-116.3915	41.0304	0.346	1.53	< .4	0.455	82	12	247	< 5	26	20.8
98VB209	-116.3968	41.0316	0.254	1.65	< .4	0.36	78	9	276	< 5	23	19.4
98VB210	-116.3942	41.0441	0.34	1.42	< .4	0.713	61	7	335	< 5	29	24.8
98VB211	-116.3893	41.0463	0.328	1.45	0.5	1.01	61	10	312	< 5	32	28.7
98VB212	-116.3838	41.0471	N.d.	1.33	0.8	N.d.	62	9	526	< 5	35	N.d.
98VB213	-116.3777	41.0477	0.329	1.43	0.6	0.852	55	6	232	< 5	29	25.3
98VB214	-116.3973	41.0418	0.215	1.48	0.4	0.621	71	12	376	< 5	28	24.2
98SE001	-116.4694	41.0494	0.382	1.46	< .4	0.221	157	13	297	< 5	15	11.3
98SE002	-116.4761	41.036	0.277	1.4	< .4	0.249	98	8	207	< 5	20	17.1
98SE003	-116.4734	41.0408	0.241	1.6	< .4	0.33	99	11	323	< 5	22	19.1
98SE004	-116.4641	41.0368	0.294	1.55	< .4	0.314	74	8	207	< 5	22	20.5
98SE005	-116.4619	41.0366	0.261	1.67	< .4	0.334	109	11	264	< 5	18	13.5
98SE006	-116.4665	41.0528	0.352	1.35	< .4	0.451	144	16	323	< 5	18	13.9
98SE007	-116.3882	41.0161	0.335	1.33	0.7	0.894	68	10	264	< 5	53	47.1
98SE008	-116.3799	41.0145	0.285	1.02	0.6	0.827	54	18	327	< 5	39	34.8
98SE009	-116.3895	41.0105	0.283	1.54	< .4	0.556	67	10	283	< 5	32	26.6
98SE010	-116.3931	41.0112	0.322	1.38	0.4	0.609	63	10	215	< 5	44	38.1
98SE011	-116.3905	41.0067	0.423	1.36	0.7	0.869	64	11	222	< 5	64	63.8
98SE012	-116.4611	41.0515	0.271	1.3	1.2	0.946	126	15	222	< 5	20	14.8
98SE013	-116.4554	41.043	0.229	1.27	0.6	0.802	111	14	346	< 5	21	17.7
98SE014	-116.4585	41.0398	0.315	1.36	0.4	0.781	122	14	370	< 5	20	16.8
98SE015	-116.4537	41.03	0.243	1.52	0.7	0.229	74	12	288	< 5	22	19.4
98SE016	-116.4521	41.0466	0.373	1.28	2.3	2.43	97	14	297	< 5	29	26.5
98SE017	-116.448	41.0532	0.365	1.38	3	2.99	61	12	248	< 5	50	44.9
98SE018	-116.4443	41.0139	0.288	1.5	< .4	0.284	116	11	195	< 5	17	13
98SE019	-116.4496	41.0138	0.256	1.53	0.5	0.396	89	11	220	< 5	20	16.7
98SE020	-116.4424	41.0155	0.23	1.62	< .4	0.272	126	10	246	< 5	15	11.9
98SE021	-116.4378	41.0116	0.24	1.63	0.4	0.293	123	11	210	< 5	16	13.3
98SE022	-116.4355	41.0122	0.36	1.39	< .4	0.251	98	9	162	< 5	20	15.8
98SE023	-116.4271	41.0053	0.271	1.57	0.6	0.377	96	9	207	< 5	24	18.1
98SE024	-116.4586	41.0127	0.219	1.24	0.4	0.392	75	12	326	< 5	25	21.5
98SE025	-116.458	41.008	0.339	1.46	< .4	0.261	88	7	324	< 5	22	15.8
98SE026	-116.4645	41.0094	0.281	1.43	< .4	0.375	75	12	266	< 5	28	22
98SE027	-116.4768	41.0118	0.302	1.42	< .4	0.396	63	10	291	< 5	29	22.1
98SE028	-116.4911	41.01	0.329	1.38	< .4	0.429	65	9	242	< 5	26	21.2
98SE029	-116.4848	41.0085	0.312	1.54	< .4	0.35	58	10	166	< 5	24	19.8
98SE030	-116.4952	41.0249	0.344	1.6	< .4	0.351	62	11	179	< 5	28	22.5
98SE031	-116.4985	41.0257	0.226	1.97	0.5	0.178	77	16	210	< 5	21	16.4
98SE032	-116.4983	41.019	0.277	1.64	< .4	0.337	60	9	164	< 5	20	14.6

Table 3—cont'd.

Sample no.	longitude	latitude	USML Bi ppm	Acme Ca weight %	Acme Cd ppm	USML Cd ppm	Acme Ce ppm	Acme Co ppm	Acme Cr ppm	Acme Cs ppm	Acme Cu ppm	USML Cu ppm
98SE033	-116.4724	41.0266	0.308	1.43	< .4	0.408	63	12	240	< 5	26	21.1
98SE034	-116.4661	41.0256	0.306	1.48	< .4	0.334	77	12	243	< 5	20	16.5
98SE035	-116.4606	41.0178	0.291	1.31	< .4	0.391	66	11	385	< 5	24	19.9
98SE036	-116.4916	41.1166	0.288	1.43	< .4	0.279	94	11	335	< 5	20	15
98SE037	-116.4922	41.1107	0.281	1.38	< .4	0.313	94	12	303	< 5	18	15.1
98SE038	-116.4952	41.1106	0.176	1.58	< .4	0.201	96	11	175	< 5	16	12.2
98SE039	-116.4927	41.1064	0.274	1.3	< .4	0.31	101	11	475	< 5	22	19.5
98SE040	-116.4974	41.0819	N.d.	1.33	< .4	N.d.	108	12	705	< 5	19	N.d.
98SE041	-116.496	41.0885	0.369	1.44	< .4	0.364	100	9	319	< 5	23	20.6
98SE042	-116.4588	41.1242	0.289	1.65	< .4	0.227	83	8	243	< 5	17	12.1
98SE043	-116.4549	41.1225	0.241	1.54	0.7	0.192	104	14	168	< 5	14	10.2
98SE044	-116.462	41.1164	0.215	1.89	< .4	0.328	101	13	211	< 5	18	13.2
98SE045	-116.4628	41.1138	0.216	1.41	< .4	0.39	115	13	256	< 5	22	16.3
98SE046	-116.4679	41.1144	0.23	1.43	< .4	0.23	137	13	150	< 5	12	7.93
98SE047	-116.47	41.1182	0.317	1.36	< .4	0.281	95	10	191	< 5	17	15.1
98SE048	-116.4756	41.1189	0.328	1.54	< .4	0.308	66	10	232	< 5	27	23.3
98SE049	-116.4662	41.1076	0.275	1.43	0.9	0.233	146	17	244	< 5	15	10.9
98SE050	-116.4613	41.1078	0.42	1.65	0.5	0.843	97	10	218	< 5	21	16.3
98SE051	-116.4714	41.1052	0.278	1.53	< .4	0.22	118	11	234	< 5	14	10.6
98SE052	-116.4492	41.0895	0.334	1.05	2	2.24	64	13	378	< 5	39	36.6
98SE053	-116.4378	41.0912	0.355	1.34	0.9	1.13	70	11	417	< 5	35	30.2
98SE054	-116.4325	41.0937	0.423	1.37	< .4	0.734	79	10	344	< 5	28	22
98SE055	-116.4319	41.0902	0.26	1.57	0.6	0.745	86	12	301	< 5	26	22
98SE056	-116.4405	41.0846	0.275	1.57	0.9	0.882	60	11	199	< 5	156	23.7
98SE057	-116.4488	41.0852	0.329	1.29	0.8	0.944	73	11	167	< 5	33	27.9
98SE058	-116.4577	41.0852	0.225	1.45	0.9	0.305	111	15	190	< 5	16	12.1
98SE059	-116.4828	41.0912	0.201	1.43	0.8	0.171	119	15	204	< 5	18	9.32
98SE060	-116.4886	41.0893	0.176	1.38	< .4	0.114	96	7	120	< 5	14	7.51
98SE061	-116.4767	41.0816	0.415	1.39	< .4	0.41	87	9	194	< 5	26	19.9
98SE062	-116.4741	41.0846	0.332	1.47	< .4	0.341	88	10	291	< 5	26	19.2
98SE063	-116.4756	41.0902	0.227	1.4	< .4	0.219	102	9	176	< 5	18	12.2
98SE064	-116.4648	41.0932	0.206	1.47	< .4	0.183	105	11	123	< 5	16	10.5
98SE065	-116.4627	41.0887	0.29	1.49	< .4	0.285	97	10	163	< 5	24	17.1
98SE066	-116.4685	41.0877	0.326	1.51	< .4	0.331	82	9	247	< 5	41	21.2
98SE067	-116.475	41.0592	0.367	1.38	< .4	0.336	106	10	218	< 5	20	15.1
98SE068	-116.4761	41.0635	0.353	1.6	< .4	0.429	88	9	219	< 5	24	18.5
98SE069	-116.4758	41.0694	0.347	1.63	< .4	0.302	87	10	213	< 5	21	16.6
98SE070	-116.48	41.0722	0.359	1.56	< .4	0.326	64	8	174	< 5	25	22.1
98SE071	-116.4836	41.0755	0.357	1.57	< .4	0.316	95	9	176	< 5	18	14.7
98SE072	-116.4755	41.0753	0.32	1.57	< .4	0.212	96	10	136	< 5	17	13.4
98SE073	-116.4715	41.0757	0.397	1.57	< .4	0.332	78	9	142	< 5	24	19.1
98SE074	-116.4692	41.0703	0.359	1.55	< .4	0.358	107	8	337	< 5	18	15.9
98SE075	-116.4715	41.0648	0.252	1.56	< .4	0.281	114	10	227	< 5	17	13.7
98SE076	-116.392	41.1207	0.334	1.17	1	1.07	64	11	421	< 5	42	34.6
98SE077	-116.3981	41.1236	0.392	1.5	1.2	1.04	89	15	233	< 5	33	26
98SE078	-116.4029	41.1213	0.319	1.18	1.2	1.3	67	12	295	< 5	40	34.3
98SE079	-116.3994	41.1184	0.221	1.3	0.4	0.38	73	13	313	< 5	27	22.7
98SE080	-116.3976	41.1155	0.302	1.17	< .4	0.386	86	9	294	< 5	23	18.8
98SE082	-116.3805	41.1226	0.343	1.27	0.8	0.871	57	8	204	< 5	52	47.1
98SE083	-116.3783	41.1218	0.31	1.27	0.5	0.782	72	16	243	< 5	47	37.6
98SE084	-116.3787	41.1194	N.d.	1.03	0.8	N.d.	63	9	771	< 5	40	N.d.
98SE085	-116.3763	41.1151	0.29	0.71	0.4	0.779	48	6	618	< 5	25	22.8
98SE086	-116.3832	41.1158	0.349	1.2	0.4	0.524	60	10	364	< 5	28	23.5
98SE087	-116.3934	41.1116	0.23	1.2	< .4	0.291	57	13	262	< 5	27	24
98SE088	-116.3819	41.0995	0.315	1.04	< .4	0.587	61	10	349	< 5	27	23.8
98SE089	-116.391	41.0996	0.314	1.07	0.4	0.568	65	11	341	< 5	27	23.5
98SE090	-116.4015	41.0968	0.373	1.12	0.6	0.773	61	11	502	< 5	33	30.3
98SE091	-116.4024	41.1028	0.289	1.36	< .4	0.41	63	8	339	< 5	24	21.3
98SE092	-116.421	41.1051	0.28	1.28	0.5	0.454	65	9	254	< 5	27	22.5
98SE093	-116.4254	41.0959	N.d.	1.16	0.5	N.d.	65	8	422	< 5	28	N.d.
98SE094	-116.4321	41.097	N.d.	1.17	0.6	N.d.	81	15	789	< 5	30	N.d.
98SE095	-116.4276	41.0899	0.329	1.38	0.7	0.91	59	12	324	< 5	35	29.5
98SE096	-116.4143	41.0825	0.321	1.34	0.4	0.823	65	12	196	< 5	33	27.2
98SE097	-116.4216	41.0845	0.359	1.41	< .4	0.654	64	11	195	12	32	24.8
98SE098	-116.4165	41.0927	0.284	1.32	< .4	0.545	78	11	173	< 5	28	21.3

Table 3—cont'd.

Sample no.	longitude	latitude	USML Bi ppm	Acme Ca weight %	Acme Cd ppm	USML Cd ppm	Acme Ce ppm	Acme Co ppm	Acme Cr ppm	Acme Cs ppm	Acme Cu ppm	USML Cu ppm
98SE099	-116.4347	41.0618	N.d.	1.35	0.5	N.d.	60	9	417	< 5	34	N.d.
98SE100	-116.4107	41.0398	0.317	1.37	0.6	0.629	73	12	360	< 5	31	26.9
98SE101	-116.4157	41.048	0.334	1.43	1.6	2.07	47	8	238	< 5	46	39.8
98SE102	-116.4144	41.0525	0.327	1.45	< .4	0.482	70	10	378	< 5	23	19.6
98SE103	-116.4325	41.0459	N.d.	1.24	1	N.d.	65	13	734	< 5	48	N.d.
98SE104	-116.4326	41.05	0.345	1.23	0.9	1.13	64	13	313	< 5	39	33.7
98SE105	-116.4217	41.0469	0.287	1.35	0.7	1.17	52	10	223	< 5	45	36.8
98SE106	-116.4048	41.0416	0.283	0.67	< .4	0.358	37	10	279	< 5	35	30.4
98SE107	-116.3816	41.0928	N.d.	1.18	< .4	N.d.	54	8	437	< 5	34	N.d.
98SE108	-116.3868	41.09	N.d.	0.98	0.4	N.d.	59	10	407	< 5	31	N.d.
98SE109	-116.3813	41.0862	N.d.	0.66	< .4	N,d.	39	7	184	< 5	19	N.d.
98SE110	-116.3842	41.0795	0.301	1.03	< .4	0.521	65	10	427	< 5	26	23.8
98SE111	-116.3811	41.0783	0.324	1.06	< .4	0.829	54	11	489	< 5	39	34.3
98SE112	-116.3874	41.0765	0.252	0.42	< .4	0.675	36	10	548	< 5	32	27.7
98SE113	-116.3869	41.0715	0.356	1.36	< .4	0.504	64	9	519	< 5	30	26
98SE114	-116.3918	41.0698	N.d.	1.05	0.4	N.d.	65	17	338	< 5	44	N.d.
98SE116	-116.3877	41.0595	N.d.	1.32	< .4	N.d.	64	10	502	< 5	33	N.d.
98SE117	-116.38	41.0616	0.295	1.2	0.5	0.76	61	8	250	< 5	28	25.3
98SE118	-116.3757	41.0634	N.d.	1.25	0.5	N.d.	63	9	559	< 5	31	N.d.
98SE119	-116.3841	41.0575	0.338	1.45	< .4	0.475	63	8	295	< 5	28	25.5
98SE120	-116.3905	41.0526	0.348	1.44	< .4	0.41	76	9	201	< 5	24	20.2
98SE121	-116.3898	41.0558	0.337	1.19	0.5	0.569	61	9	434	< 5	27	24.4
98SE122	-116.4008	41.0126	0.247	1.61	< .4	0.425	81	11	374	< 5	24	21.2
98SE123	-116.395	41.0367	0.237	1.74	0.4	0.33	72	9	196	< 5	23	19.8
98SE124	-116.3909	41.04	0.258	1.85	< .4	0.174	77	12	222	< 5	24	19.4
98SE125	-116.3846	41.0408	N.d.	1.53	0.5	N.d.	70	10	297	< 5	29	N.d.
98SE126	-116.3932	41.0354	0.315	1.34	< .4	0.645	73	11	241	< 5	27	23.7
98SE127	-116.401	41.0342	0.263	0.72	0.5	0.708	48	7	398	< 5	30	26.1
98SE128	-116.4008	41.0386	N.d.	0.77	< .4	N.d.	51	9	499	< 5	30	N.d.
98SE129	-116.3953	41.0454	0.357	1.4	0.9	0.958	68	10	281	< 5	39	31.8
98SE130	-116.3905	41.049	0.313	1.34	0.8	0.985	66	9	389	5	39	31.3
98SE131	-116.3858	41.0521	0.34	1.34	1.1	1.09	64	12	380	< 5	42	33.8
98SE132	-116.3793	41.0551	0.352	1.21	1.3	1.3	59	11	352	5	45	36.3
98SE133	-116.3961	41.0495	0.26	0.55	0.5	0.898	43	10	368	< 5	35	31.3
98SE140	-116.2599	41.1135	0.367	0.87	4.2	5.08	50	10	479	< 5	59	55.6
98SE141	-116.2572	41.1073	0.285	0.64	1.8	2.24	34	7	387	< 5	51	50.6
98SE142	-116.2592	41.1102	0.378	0.88	2.7	3.03	45	9	659	< 5	68	68.1
98SE143	-116.2667	41.1144	0.393	N.d.	N.d.	1.74	N.d.	N.d.	N.d.	N.d.	N.d.	51.5
98SE144	-116.2729	41.1183	0.396	0.65	2.1	2.23	45	9	569	< 5	69	69.5
98SE145	-116.2688	41.1184	0.407	0.72	1.4	1.71	51	11	554	< 5	63	64.6
98SE146	-116.3164	41.1189	0.347	0.66	< .4	0.588	50	8	548	< 5	43	40.6
98SE147	-116.2863	41.1225	0.414	0.65	0.9	1.07	52	10	620	< 5	47	45.9
98SE148	-116.2854	41.1185	0.33	0.54	< .4	0.925	46	9	622	< 5	32	31.7
98SE149	-116.2964	41.1157	0.346	0.5	< .4	1.12	42	8	1016	< 5	33	30.6
98SE150	-116.3046	41.1205	0.703	0.71	2.2	1.97	48	9	801	< 5	52	52.5
98SE151	-116.2777	41.1075	0.392	0.64	1.5	2.6	43	9	699	< 5	55	56.7
98SE152	-116.2876	41.1071	0.404	0.75	4.3	3.01	52	10	599	< 5	42	41
98SE153	-116.2848	41.0958	0.384	0.75	3	2.85	45	8	677	< 5	52	49.4
98SE154	-116.2845	41.0999	0.377	0.47	3.7	3.2	38	9	842	< 5	50	50.9
98SE155	-116.3053	41.0896	0.416	0.74	5.5	4.98	49	11	565	< 5	82	87.3
98SE156	-116.3058	41.0868	0.348	0.53	1.6	1.6	37	7	924	< 5	38	38.2
98SE157	-116.3033	41.0859	0.335	0.56	0.9	1.38	37	5	1067	< 5	40	39.6
98SE158	-116.3018	41.0896	0.357	0.62	0.9	1.68	38	7	805	< 5	43	42.9
98SE159	-116.328	41.1134	0.376	0.5	0.4	0.4	38	6	937	< 5	32	28.6
98SE160	-116.3271	41.111	0.393	0.58	< .4	0.552	49	8	660	< 5	35	32.7
98SE161	-116.3335	41.1061	0.394	0.72	2.5	1.04	50	9	790	< 5	54	51.3
98SE162	-116.338	41.1029	0.391	0.81	0.5	0.483	52	9	587	< 5	41	38.8
98SE163	-116.3346	41.1097	0.353	0.74	1.7	1.7	51	12	514	< 5	63	60.7
98SE164	-116.3492	41.1156	0.36	0.59	< .4	0.497	49	7	642	< 5	32	31.1
98SE165	-116.3494	41.1194	0.376	1.01	5	4.12	61	9	308	< 5	72	69.2
98SE166	-116.3527	41.1203	0.413	1.06	0.9	0.854	61	10	258	< 5	64	59.3
98SE167	-116.3552	41.1168	0.325	0.75	0.5	0.377	52	9	512	< 5	30	27.6
98SE168	-116.3483	41.0929	0.363	1.02	0.7	0.984	63	7	351	< 5	57	51.7
98SE169	-116.3411	41.0925	0.41	0.59	0.5	0.572	47	9	701	< 5	42	39.2
98SE170	-116.3399	41.0955	0.39	0.83	0.5	1.22	50	12	496	< 5	52	51.2

Table 3—cont'd.

Sample no.	longitude	latitude	USML Bi ppm	Acme Ca weight %	Acme Cd ppm	USML Cd ppm	Acme Ce ppm	Acme Co ppm	Acme Cr ppm	Acme Cs ppm	Acme Cu ppm	USML Cu ppm
98SE171	-116.34	41.0982	0.328	0.49	0.9	0.579	37	7	635	< 5	33	29.4
98SE172	-116.3451	41.0972	0.325	0.82	1.4	1.12	46	9	446	< 5	46	40.5
98SE173	-116.3594	41.1166	0.391	0.76	2.2	1.76	53	10	531	< 5	45	42.3
98SE174	-116.3621	41.115	0.353	0.85	1.1	0.382	67	10	415	< 5	25	21.4
98SE175	-116.3689	41.1162	0.445	0.83	< .4	1.29	52	9	482	< 5	40	34.8
98SE176	-116.3733	41.1133	0.373	1.05	0.4	0.504	67	12	400	< 5	29	25.7
98SE177	-116.3534	41.0827	0.329	0.46	< .4	0.605	37	7	740	< 5	34	32.1
98SE178	-116.3525	41.0783	0.405	0.96	0.4	1.4	57	13	346	< 5	45	44.4
98SE179	-116.3629	41.0786	0.369	1.2	0.7	0.825	65	13	258	< 5	46	42.6
98SE180	-116.3663	41.0804	0.251	0.38	< .4	0.984	39	13	407	< 5	38	33.1
98SE181	-116.3743	41.0789	0.368	1.31	< .4	0.511	72	10	215	< 5	25	22.3
98SE182	-116.3746	41.083	0.379	1.01	< .4	0.728	59	10	299	< 5	37	34.2
98SE183	-116.372	41.0833	0.383	1.01	< .4	1.01	56	11	486	< 5	41	38.3
98SE184	-116.3626	41.0852	0.343	1.02	0.7	0.855	57	17	299	< 5	42	33.4
98SE185	-116.3672	41.0929	0.366	0.81	< .4	1	52	12	609	< 5	46	39.7
98SE186	-116.3239	41.047	0.284	0.69	< .4	1.09	41	29	537	< 5	43	33.1
98SE187	-116.3267	41.0486	0.323	0.77	3.8	4.23	49	8	224	< 5	63	54.1
98SE188	-116.3339	41.046	0.275	0.63	< .4	0.76	41	16	304	< 5	37	29.1
98SE189	-116.3366	41.0528	0.381	0.71	2	1.55	42	7	448	< 5	58	50.1
98SE190	-116.3376	41.0473	0.336	0.69	1.2	1.4	49	9	421	< 5	48	39.1
98SE191	-116.3419	41.0433	0.271	0.57	0.6	0.895	40	23	459	< 5	37	30.3
98SE192	-116.3478	41.0437	0.292	0.77	< .4	0.649	50	12	280	< 5	30	23.6
98SE193	-116.3472	41.0396	0.335	0.81	0.4	1.21	42	27	584	< 5	42	38.5
98SE194	-116.3477	41.0369	0.317	0.9	1.6	1.27	50	10	362	< 5	49	42.7
98SE195	-116.352	41.036	0.297	0.61	0.5	0.778	47	18	336	< 5	32	28.1
98SE196	-116.3597	41.0347	0.271	0.64	< .4	0.674	45	16	186	< 5	31	25.8
98SE197	-116.2999	41.068	0.34	0.77	1.6	1.34	48	8	538	< 5	63	56.9
98SE198	-116.3063	41.0676	0.31	0.48	< .4	1.1	39	13	450	< 5	58	36.3
98SE199	-116.3102	41.0631	0.291	0.35	1.3	1.3	36	9	505	< 5	41	36.8
98SE200	-116.3109	41.061	0.328	0.55	1.6	1.86	37	12	760	< 5	52	48.4
98SE201	-116.3189	41.0639	0.32	0.51	1.6	1.49	39	11	675	< 5	43	38.1
98SE202	-116.3237	41.0608	0.388	0.61	0.7	0.944	43	7	392	< 5	62	56.9
98SE203	-116.3304	41.0622	0.311	0.53	2.9	3.22	37	11	446	< 5	41	39.8
98SE204	-116.3486	41.0511	0.316	0.9	1	0.667	53	6	234	< 5	36	31.2
98SE205	-116.346	41.0511	0.377	0.78	0.8	0.599	57	7	278	< 5	47	42.7
98SE206	-116.3527	41.0464	0.451	0.79	< .4	0.447	55	7	207	< 5	51	52.9
98SE207	-116.3544	41.0373	0.345	0.93	< .4	0.679	50	17	166	< 5	32	33.1
98SE208	-116.3597	41.0366	0.38	1.35	1.2	0.903	54	11	378	< 5	33	30.7
98SE209	-116.3697	41.0294	0.316	0.86	0.7	1.11	48	22	316	< 5	36	33.6
98SE210	-116.3686	41.0338	0.406	1.19	< .4	0.82	62	9	358	< 5	35	34.6
98SE211	-116.3724	41.0456	0.394	1.13	0.8	1.26	60	11	233	< 5	44	39.6
98SE212	-116.3736	41.0367	0.318	1.4	0.4	0.759	90	15	350	< 5	23	21.5
98SE213	-116.3378	41.0692	0.314	0.37	0.5	1.78	37	19	518	< 5	40	40.7
98SE214	-116.3357	41.0756	0.378	0.93	< .4	0.502	51	8	470	< 5	41	38.8
98SE215	-116.3288	41.0771	0.428	N.d.	N.d.	1.11	N.d.	N.d.	N.d.	N.d.	N.d.	50.5
98SE216	-116.3262	41.0786	0.421	0.67	0.7	1.25	47	11	606	< 5	42	44.6
98SE217	-116.3246	41.0761	0.299	0.66	1	1.87	39	8	433	< 5	50	46.3
98SE218	-116.3225	41.0744	0.386	0.78	0.9	1.87	46	9	523	< 5	49	48.5
98SE219	-116.3187	41.0762	0.36	0.61	1.4	2.18	39	11	500	< 5	57	55.3
98SE220	-116.3149	41.0793	0.335	0.39	< .4	1.11	32	7	626	< 5	36	38.1
98SE221	-116.3124	41.0799	0.358	0.52	0.5	1.89	36	16	713	< 5	41	39.9
98SE222	-116.3414	41.0701	0.375	0.73	1.7	2.89	48	7	426	< 5	55	58.1
98SE223	-116.3449	41.0745	0.324	0.53	1.3	2.03	42	11	370	< 5	37	36.4
98SE224	-116.3494	41.0731	0.376	0.84	< .4	1.12	55	18	332	< 5	43	41.7
98SE225	-116.3701	41.0585	0.431	1.1	1.1	1.52	59	8	359	< 5	46	42.1
98SE226	-116.3698	41.0621	0.397	1.07	0.5	1.16	64	10	352	< 5	39	35.3
98SE227	-116.3722	41.0645	0.417	1.15	< .4	0.497	60	8	398	< 5	33	32
98SE228	-116.372	41.0137	0.359	1.17	< .4	0.731	55	8	412	< 5	31	29.2
98SE229	-116.3696	41.0127	0.391	1.68	< .4	0.506	60	10	379	< 5	26	24
98SE230	-116.3468	41.0144	0.434	1.47	< .4	0.792	58	9	209	< 5	37	34.9
98SE231	-116.3433	41.0122	0.467	1.24	0.7	1.02	65	12	507	< 5	38	36
98SE232	-116.34	41.0154	0.526	0.85	1.3	2.19	45	15	304	< 5	51	53
98SE233	-116.3387	41.0217	1.75	1.03	1.6	1.92	55	11	453	< 5	75	79.1
98SE234	-116.3346	41.022	0.357	0.62	1.1	1.76	46	10	396	< 5	42	42
98SE235	-116.326	41.0253	0.633	0.76	1.7	2.55	46	10	360	< 5	49	49.3

Table 3—cont'd.

Sample no.	longitude	latitude	USML Bi ppm	Acme Ca weight %	Acme Cd ppm	USML Cd ppm	Acme Ce ppm	Acme Co ppm	Acme Cr ppm	Acme Cs ppm	Acme Cu ppm	USML Cu ppm
98SE236	-116.3265	41.028	0.42	0.86	1.5	1.97	42	9	550	< 5	53	52.6
98SE237	-116.3512	41.0116	0.494	0.58	1.5	1.5	45	10	448	< 5	44	43.4
98SE238	-116.3528	41.0149	0.373	1.13	0.6	0.577	60	8	428	< 5	34	30.5
98SE239	-116.356	41.0215	0.494	0.9	1.2	1.28	57	9	460	< 5	41	41.1
98SE240	-116.3598	41.0237	0.416	1.08	< .4	0.687	56	10	307	< 5	40	42.3
98SE241	-116.366	41.0166	0.427	1.11	1.1	1.07	58	8	325	< 5	37	36.9
98SE242	-116.3679	41.018	0.328	1.39	0.4	0.5	60	9	273	< 5	24	23.2
98SE243	-116.3414	41.0011	0.347	1.2	1.2	1.17	64	15	449	< 5	36	34.1
98SE244	-116.2546	41.0325	0.527	0.77	5.8	5.71	45	18	415	< 5	100	101
98SE245	-116.2555	41.0427	0.471	0.72	3.7	3.66	35	10	502	< 5	68	72
98SE246	-116.2566	41.0483	0.426	0.25	0.9	0.902	29	8	730	< 5	44	45
98SE247	-116.258	41.0522	0.414	0.5	2.6	2.58	38	16	592	< 5	79	76.3
98SE248	-116.2616	41.0519	0.425	0.52	5.1	5.11	39	23	405	< 5	60	62.6
98SE249	-116.2641	41.0594	0.448	0.57	2.4	2.33	39	13	476	< 5	60	61.2
98SE250	-116.2661	41.0561	0.385	0.7	2.2	2.35	38	9	558	< 5	36	35.2
98SE251	-116.2675	41.0972	0.288	0.73	3.3	2.74	37	5	354	< 5	38	35.5
98SE252	-116.2646	41.1003	0.372	0.57	2.8	2.23	37	7	769	< 5	47	46.9
98SE253	-116.2649	41.1045	0.382	0.6	2.7	2.18	34	7	997	< 5	45	43.8
98SE254	-116.2736	41.0953	0.401	0.77	4.1	3.98	40	8	723	< 5	53	58.4
98SE255	-116.2721	41.0938	0.284	0.56	3.1	2.94	39	7	763	< 5	47	46.9
98TT39	-116.2651	41.0027	0.387	0.88	5.3	4.91	48	16	374	< 5	93	93.1
98TT40	-116.274	41.0041	0.511	0.46	3.9	3.55	34	12	528	< 5	78	81.7
98TT41	-116.2784	41.0089	0.426	2.16	13.7	13	41	10	258	< 5	98	102
98TT42	-116.2847	41.014	0.479	0.61	5.4	4.81	47	16	434	< 5	88	92.3
98TT43	-116.2901	41.0163	0.474	0.9	7.2	6.39	53	17	425	< 5	104	109
98TT44	-116.2942	41.0159	0.383	0.67	5.9	2.73	47	15	300	< 5	92	59.7
98TT45	-116.2925	41.0137	0.404	0.89	6.7	6.45	50	13	411	< 5	104	111
98TT46	-116.2546	41.0047	0.396	0.77	3.8	3.82	48	14	524	< 5	75	80.9
98TT47	-116.2514	41.0092	0.411	0.51	3.3	5.28	33	10	526	< 5	53	93.7
98TT48	-116.2544	41.0241	0.418	N.d.	N.d.	5.12	N.d.	N.d.	N.d.	N.d.	N.d.	98.6
98TT49	-116.2559	41.0228	0.41	0.44	4.5	4.15	36	17	645	< 5	85	91
98TT50	-116.2907	41.0466	0.317	N.d.	N.d.	1.53	N.d.	N.d.	N.d.	N.d.	N.d.	31.5
98TT51	-116.2958	41.0451	0.535	N.d.	N.d.	2.22	N.d.	N.d.	N.d.	N.d.	N.d.	73
98TT52	-116.2972	41.031	0.739	N.d.	N.d.	1.52	N.d.	N.d.	N.d.	N.d.	N.d.	47.5
98TT53	-116.3024	41.0298	0.482	N.d.	N.d.	5.05	N.d.	N.d.	N.d.	N.d.	N.d.	63.6
98TT54	-116.281	41.0332	0.478	0.55	2.5	1.65	46	15	279	< 5	76	74.9
98TT55	-116.281	41.0314	0.464	0.48	13.2	10.7	49	31	409	< 5	228	212
98TT56	-116.2733	41.0294	0.43	N.d.	N.d.	177	N.d.	N.d.	N.d.	N.d.	N.d.	102
98TT57	-116.2717	41.0278	0.444	1.09	14.6	13.3	46	19	553	< 5	150	143
98TT58	-116.2697	41.0351	0.397	0.65	4	5.16	40	20	546	< 5	48	88.8
98TT59	-116.2724	41.0344	0.454	0.9	7.3	6.02	37	26	499	< 5	78	75.9
98TT60	-116.2718	41.0766	0.36	N.d.	N.d.	0.749	N.d.	N.d.	N.d.	N.d.	N.d.	31.1
98TT61	-116.2665	41.0724	0.444	0.78	2.4	1.74	43	7	702	< 5	32	32.1
98TT62	-116.2651	41.0693	0.357	0.57	6.5	2.83	45	21	368	< 5	92	45.7
98TT63	-116.2694	41.0693	0.352	N.d.	N.d.	1.54	N.d.	N.d.	N.d.	N.d.	N.d.	25.9
98TT64	-116.2703	41.0675	0.322	0.76	1.3	1.2	36	7	751	< 5	17	16.7
98TT65	-116.3256	41.0015	0.838	0.99	5.8	4.53	48	14	971	< 5	78	81.7
98TT66	-116.3294	41.0024	0.459	1.27	4.2	2.99	59	13	318	< 5	57	52.5
98TT67	-116.3229	41.016	0.447	1.12	5	3.65	47	28	316	< 5	77	71.3
98TT68	-116.3227	41.0175	0.475	0.92	3.2	2.07	48	13	318	< 5	44	42.5
98TT69	-116.3177	41.0202	0.683	N.d.	N.d.	1.95	N.d.	N.d.	N.d.	N.d.	N.d.	41.9

Table 4—Analytical data for Fe, Ga, Hg, K, La, Li, Mg, Mn, and Mo for stream-sediment samples from the Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles, Nev.

[Analytical procedures, see text; elements analyzed by Acme laboratories, total digestion; elements analyzed by USML laboratories, partial digestion. N.d., not determined; ppm, parts per million; 0 values for Hg, not found by instrument]

Sample no.	longitude	latitude	Acme Fe weight %	Acme Ga ppm	USML Ga ppm	USML Hg ppm	Acme K weight %	Acme La ppm	Acme Li ppm	Acme Mg weight %	Acme Mn ppm	Acme Mo ppm
98VB053	-116.4955	41.0478	5.39	20	7.52	0.038	2.73	60	23	0.72	839	6
98VB054	-116.4953	41.0394	3.87	19	6.05	0.031	2.59	50	24	0.62	607	6
98VB055	-116.4931	41.0332	3.91	19	7.32	0.019	2.21	53	26	0.66	609	7
98VB056	-116.4981	41.0365	5.01	20	7.5	0.031	2.21	63	25	0.65	693	6
98VB057	-116.4924	41.0463	9.58	22	12.4	0.014	2.15	77	23	0.72	1348	4
98VB058	-116.492	41.0413	3.57	19	7.93	0.01	2.25	51	33	0.84	552	6
98VB059	-116.4869	41.0364	5.8	20	9.22	0.013	2.07	62	23	0.61	809	6
98VB060	-116.4856	41.0321	3.3	18	5.77	0.021	2.13	48	30	0.62	572	5
98VB061	-116.4808	41.0358	3.18	18	7.59	0.05	2.05	52	28	0.79	627	10
98VB062	-116.4814	41.0413	3.99	20	7.62	0.232	1.83	75	24	0.6	660	8
98VB063	-116.4804	41.042	4.06	18	6.98	0.048	2.06	58	21	0.63	1523	10
98VB064	-116.4841	41.0465	3.52	18	6.45	0.038	1.81	58	22	0.76	980	6
98VB065	-116.4876	41.0496	3.4	18	6.99	0.04	1.76	51	26	0.91	757	5
98VB066	-116.4933	41.0543	2.52	21	5.1	0.04	3.31	57	22	0.51	515	7
98VB067	-116.4944	41.0602	3.29	21	5.1	0	2.43	54	35	0.49	629	10
98VB068	-116.484	41.0603	3.32	19	5.49	0.011	2.34	53	33	0.51	692	12
98VB069	-116.479	41.0568	3.35	21	6.85	0	1.07	54	40	1.32	423	6
98VB070	-116.4736	41.055	2.53	17	6.05	0	1.76	52	26	1.11	475	3
98VB071	-116.4729	41.0491	3.29	17	6	0.008	1.98	50	25	0.87	1037	7
98VB072	-116.4617	41.0403	3.32	18	6.79	0	1.77	56	26	1.12	800	8
98VB073	-116.463	41.045	3.18	17	6.52	0	1.82	51	26	0.85	1291	10
98VB074	-116.4654	41.0583	3.94	17	5.25	0.003	1.87	56	25	0.8	1200	8
98VB075	-116.3825	41.0243	2.5	15	4.59	0.02	1.99	41	27	0.55	558	8
98VB076	-116.3847	41.0161	2.78	16	5.18	0.024	1.93	43	30	0.59	920	6
98VB077	-116.3812	41.0123	3.05	15	5.59	0.07	1.84	32	29	0.7	823	10
98VB078	-116.3881	41.0099	2.99	14	3.66	0.083	1.73	31	26	0.59	789	8
98VB079	-116.3952	41.0061	3.21	14	4.78	0.155	1.74	31	27	0.62	1086	10
98VB080	-116.4626	41.0558	3.42	17	5.25	0.014	1.85	52	28	1	1102	6
98VB081	-116.4579	41.0493	4.42	18	6.73	0.059	1.62	50	27	0.86	1431	8
98VB082	-116.4521	41.0354	4.27	19	5.56	0	1.99	61	27	0.63	776	7
98VB083	-116.4504	41.0396	3.27	15	4.92	0.021	1.78	43	24	0.69	1713	8
98VB084	-116.4473	41.0431	2.25	15	3.13	0.035	1.9	42	21	0.49	1147	6
98VB085	-116.4583	41.0594	3.26	18	6.2	0	1.82	56	33	1.12	1064	6
98VB086	-116.4544	41.0625	3.5	18	6.73	0.021	1.74	44	30	0.89	889	7
98VB087	-116.441	41.062	2.54	16	5.32	0.02	1.9	35	29	0.62	538	6
98VB088	-116.446	41.0582	2.93	16	5.87	0.059	2.01	35	31	0.72	759	6
98VB089	-116.4392	41.0554	2.81	16	5.91	0.118	1.92	35	37	0.65	525	7
98VB090	-116.4523	41.0549	3.49	17	6.36	0.05	1.68	40	34	0.93	1215	9
98VB091	-116.4494	41.052	3.19	16	4.82	0.05	1.96	38	31	0.77	857	11
98VB092	-116.4431	41.0491	3.25	16	3.92	0.043	2.01	35	28	0.68	804	9
98VB093	-116.4384	41.0437	2.63	15	5.56	0.029	1.61	29	34	0.61	521	5
98VB094	-116.429	41.009	2.45	17	3.87	0.032	2.14	55	23	0.43	536	7
98VB095	-116.4319	41.0133	3.02	18	3.52	0	2.2	65	22	0.41	757	10
98VB096	-116.4356	41.0173	3.39	17	4.36	0.003	1.97	61	23	0.48	670	8
98VB097	-116.4425	41.0211	3.89	18	5.59	0.013	1.86	60	23	0.52	799	10
98VB098	-116.4488	41.0244	2.97	17	6.7	0.031	1.72	36	34	0.61	670	5
98VB099	-116.4584	41.0037	3.51	17	4.65	0	1.87	52	26	0.57	651	5
98VB100	-116.4576	41.0004	3.1	17	5.24	0.03	1.94	47	30	0.63	645	5
98VB101	-116.4626	41.0045	2.46	16	3.34	0.009	2.09	48	24	0.49	505	4
98VB102	-116.4686	41.0068	2.62	15	6.18	0.002	1.67	30	31	0.64	481	6
98VB103	-116.4826	41.0043	2.54	16	5.61	0.03	1.87	33	28	0.64	717	6
98VB104	-116.4769	41.0016	2.73	17	4.81	0.035	1.97	35	29	0.6	579	4
98VB105	-116.4961	41.014	3.53	17	4.88	0.024	1.86	46	29	0.54	570	7
98VB106	-116.489	41.0194	3.24	17	4.63	0.026	1.86	42	29	0.56	613	7
98VB107	-116.485	41.0155	3.04	17	5.54	0.023	1.83	35	36	0.67	671	5
98VB108	-116.4799	41.018	2.49	15	3.87	0.021	1.82	35	28	0.56	616	4
98VB109	-116.4812	41.0232	2.82	17	4.75	0.022	1.89	41	29	0.54	483	6
98VB110	-116.4746	41.0218	2.47	16	4.78	0.034	1.85	37	29	0.56	526	5
98VB111	-116.4676	41.0194	2.39	16	3.84	0.025	1.83	40	25	0.48	701	5
98VB112	-116.4966	41.1206	2.42	16	3.11	0.07	1.92	44	23	0.47	774	6
98VB113	-116.4945	41.123	2.42	15	3.86	0.034	1.8	47	30	0.47	445	7
98VB114	-116.4983	41.1057	3.3	19	5.34	0.096	2.06	49	33	0.77	752	5
98VB115	-116.4933	41.1016	2.65	17	4.41	0.046	2.05	44	28	0.57	646	6
98VB116	-116.4937	41.0978	2.49	17	4.94	0.054	2.06	48	26	0.52	593	6

Table 4—cont'd.

Sample no.	longitude	latitude	Acme Fe weight %	Acme Ga ppm	USML Ga ppm	USML Hg ppm	Acme K weight %	Acme La ppm	Acme Li ppm	Acme Mg weight %	Acme Mn ppm	Acme Mo ppm
98VB117	-116.4971	41.0989	3.09	19	6.3	0.087	2.09	49	35	0.66	875	7
98VB118	-116.4966	41.0929	2.92	18	5.18	0.035	2.28	53	31	0.5	387	7
98VB119	-116.4537	41.109	2.64	17	5.35	0.066	1.99	42	31	0.62	784	8
98VB120	-116.4477	41.115	2.81	17	4.88	0.076	1.94	46	28	0.55	926	8
98VB121	-116.4472	41.1188	2.82	20	4.84	0.041	2.61	58	29	0.77	716	9
98VB122	-116.4405	41.1189	2.59	15	4.1	0.07	1.76	40	26	0.49	620	8
98VB123	-116.4364	41.1211	3.42	18	N.d.	N.d.	1.71	44	34	0.69	794	9
98VB124	-116.4356	41.1191	3.21	15	5.34	0.058	1.75	46	28	0.52	1339	10
98VB125	-116.4332	41.1166	2.63	15	5.43	0.053	1.06	38	31	0.9	853	11
98VB126	-116.4624	41.1029	2.97	17	5.48	0.034	1.82	41	30	0.74	761	6
98VB127	-116.4517	41.1035	2.56	16	3.93	0.037	1.76	38	28	0.59	656	6
98VB128	-116.4419	41.1026	2.51	15	4.26	0.046	1.8	36	29	0.55	597	6
98VB129	-116.4452	41.0997	2.62	16	5.04	0.036	1.96	38	29	0.6	608	4
98VB130	-116.4508	41.0956	4.76	22	7.54	0.016	2.01	70	32	1.04	861	8
98VB131	-116.4518	41.0915	7.37	24	8.76	0.018	1.9	96	30	0.94	1077	6
98VB132	-116.4575	41.0881	3.24	19	5.63	0.046	1.65	51	30	1	771	8
98VB133	-116.4782	41.094	3.32	20	4.94	0.036	2.82	53	29	0.61	789	6
98VB134	-116.4828	41.0947	2.79	20	6.25	0.005	2.59	50	33	0.66	552	6
98VB135	-116.4882	41.0967	2.66	18	5.96	0.032	2.14	46	32	0.59	605	6
98VB136	-116.4803	41.0986	2.53	18	4.68	0.032	2.16	45	29	0.56	500	7
98VB137	-116.48	41.1052	2.68	15	3.62	0.024	1.93	49	24	0.57	860	6
98VB138	-116.4711	41.0952	4.88	21	6.14	0.002	2.97	58	32	0.75	962	6
98VB139	-116.473	41.1015	3.26	19	5.04	0.02	2.55	60	27	0.62	715	6
98VB140	-116.4675	41.0987	3.31	19	5.69	0.004	2.57	52	32	0.74	993	9
98VB141	-116.4988	41.0662	3.14	19	5.03	0.029	2.65	56	36	0.52	704	9
98VB142	-116.493	41.0727	3.24	19	5.55	0.012	2.51	52	33	0.52	736	10
98VB143	-116.4893	41.0668	3.36	19	N.d.	N.d.	2.37	49	34	0.53	584	20
98VB144	-116.4893	41.0634	3.91	19	5.47	0.002	2.46	58	32	0.49	739	9
98VB145	-116.4739	41.061	2.99	18	5.63	0.027	2.34	43	32	0.58	746	8
98VB146	-116.4507	41.0691	3.32	17	5.09	0.023	1.95	39	28	0.76	823	7
98VB147	-116.4565	41.071	3.05	19	7.2	0.033	2.07	47	37	0.94	746	5
98VB148	-116.4526	41.0792	4.05	19	6.22	0.045	2	47	29	0.8	931	8
98VB149	-116.4457	41.0763	3.83	17	7.32	0.055	1.83	39	28	0.76	638	7
98VB150	-116.4409	41.0717	3.52	17	5.94	0.177	2.12	40	32	0.7	762	6
98VB151	-116.4394	41.0669	3.3	17	5.82	0.281	2.31	38	31	0.63	742	7
98VB152	-116.4411	41.0773	2.92	17	5.03	0.027	1.88	43	24	0.57	1104	6
98VB153	-116.4356	41.0782	2.87	17	6.17	0.015	2.09	37	33	0.65	672	5
98VB154	-116.4196	41.1123	3.16	24	8.93	0.033	1.33	67	29	1.1	740	4
98VB155	-116.424	41.1154	3.42	21	8.13	0.027	1.92	56	34	0.64	672	5
98VB156	-116.4213	41.1189	2.78	16	5.86	0.023	1.9	39	29	0.55	560	7
98VB157	-116.417	41.1192	2.69	18	5.13	0	2.39	50	29	0.47	477	6
98VB158	-116.4127	41.1144	2.88	18	4.63	0	2.43	52	31	0.43	480	6
98VB159	-116.4177	41.124	2.87	17	4.63	0.009	1.99	47	25	0.54	1074	6
98VB160	-116.4099	41.122	2.78	16	5.45	0.036	1.98	36	33	0.63	826	8
98VB161	-116.4057	41.1186	3.31	17	7.09	0.022	1.87	41	30	0.53	666	8
98VB162	-116.4078	41.119	3.63	20	7.04	0.005	2.14	54	34	0.48	521	6
98VB163	-116.4054	41.1139	3.65	19	6.64	0.009	2.15	53	32	0.47	550	6
98VB164	-116.3992	41.1095	3.07	19	5.59	0.018	2.35	51	36	0.49	682	5
98VB165	-116.3905	41.1074	2.86	14	6.46	0.03	1.66	36	31	0.5	598	12
98VB166	-116.3952	41.1032	2.52	13	4.5	0.034	1.49	32	27	0.42	632	12
98VB167	-116.3886	41.1044	2.16	11	4.06	0.014	1.36	29	23	0.37	444	11
98VB168	-116.381	41.1051	2.33	10	4.14	0.021	1.21	30	23	0.35	472	17
98VB169	-116.4109	41.1041	2.93	14	N.d.	N.d.	1.58	33	25	0.41	641	30
98VB170	-116.4046	41.1053	2.35	13	3.78	0.016	1.5	33	25	0.4	560	12
98VB171	-116.4243	41.1007	2.35	13	3.94	0.004	1.8	41	22	0.42	619	9
98VB172	-116.4115	41.0887	2.72	14	5	0.011	1.87	34	26	0.56	618	9
98VB173	-116.4024	41.0882	2.97	16	6.03	0.025	1.97	36	32	0.61	657	9
98VB174	-116.4025	41.0914	2.68	15	6.34	0.024	1.91	33	32	0.6	577	6
98VB175	-116.4096	41.0922	2.7	15	6.12	0.047	1.89	30	31	0.62	607	7
98VB176	-116.4168	41.0947	3.11	18	7.29	0.008	2.1	35	40	0.77	389	4
98VB177	-116.4305	41.0634	2.71	18	4.62	0.015	2.11	43	30	0.62	497	6
98VB178	-116.4289	41.0674	3.16	18	6.66	0.01	2.17	43	35	0.69	587	6
98VB179	-116.4258	41.0643	2.96	18	5.81	0.04	2.1	44	33	0.8	747	8
98VB180	-116.407	41.0359	2.59	15	3.86	0.064	1.88	38	27	0.52	721	8
98VB181	-116.4109	41.0472	2.85	17	5.39	0.028	2.17	38	33	0.61	941	5
98VB182	-116.4094	41.0533	2.52	16	4.07	0.01	1.97	41	27	0.51	670	6
98VB183	-116.4321	41.0568	3.27	19	6.96	0	2.23	35	42	0.68	559	6

Table 4—cont'd.

Sample no.	longitude	latitude	Acme Fe weight %	Acme Ga ppm	USML Ga ppm	USML Hg ppm	Acme K weight %	Acme La ppm	Acme Li ppm	Acme Mg weight %	Acme Mn ppm	Acme Mo ppm
98VB184	-116.4275	41.0601	3.34	19	6.75	0.037	1.98	40	41	0.73	663	6
98VB185	-116.4224	41.0566	3.21	17	6.11	0.082	1.5	30	31	0.58	731	7
98VB186	-116.4207	41.0424	2.68	13	3.56	0.135	1.66	34	25	0.79	557	7
98VB187	-116.4088	41.0602	2.94	17	5.09	0.021	1.95	37	35	0.64	785	7
98VB188	-116.4073	41.0636	2.76	16	5.56	0.047	1.82	39	31	0.57	752	8
98VB189	-116.406	41.0696	2.84	16	5.59	0.085	1.78	38	30	0.57	930	9
98VB190	-116.4082	41.0733	2.87	18	6.07	0.041	1.97	37	35	0.63	632	7
98VB191	-116.4024	41.0745	3.02	17	5.42	0.019	1.97	36	35	0.65	667	7
98VB192	-116.4052	41.0772	3.09	17	5.66	0.036	1.98	34	36	0.67	607	6
98VB193	-116.4013	41.0815	2.75	15	5.18	0.034	1.9	33	30	0.61	740	8
98VB194	-116.3987	41.0765	2.89	16	5.82	0.009	1.98	36	31	0.59	675	8
98VB195	-116.3992	41.0719	3.11	15	5.16	0	1.84	35	29	0.56	836	9
98VB196	-116.3941	41.0572	3.02	17	4.98	0.029	1.95	40	31	0.55	668	6
98VB197	-116.3899	41.0606	2.95	17	5.54	0.025	1.99	39	31	0.55	659	8
98VB198	-116.3855	41.0633	2.85	16	5.87	0.036	1.9	36	31	0.57	766	7
98VB199	-116.3784	41.0652	2.95	17	5.88	0.039	1.9	34	36	0.6	629	8
98VB200	-116.3828	41.0662	2.79	16	5.48	0.073	1.79	33	34	0.57	733	7
98VB201	-116.3922	41.0645	3.03	16	N.d.	N.d.	2.02	35	31	0.58	836	11
98VB202	-116.3987	41.0188	2.81	17	5.24	0.072	1.89	38	31	0.58	634	10
98VB203	-116.3851	41.0377	2.64	15	4.87	0.042	1.9	35	28	0.52	536	9
98VB204	-116.3795	41.0394	2.74	15	4.97	0.058	1.78	34	29	0.54	496	10
98VB205	-116.3758	41.0422	2.92	14	4.98	0.059	1.82	33	30	0.58	539	8
98VB206	-116.3808	41.035	2.67	16	4.97	0.019	1.99	37	28	0.56	711	9
98VB207	-116.3892	41.034	3.01	16	5.64	0.031	1.9	40	32	0.61	743	7
98VB208	-116.3915	41.0304	2.93	17	5.53	0.0006	1.95	43	31	0.63	737	6
98VB209	-116.3968	41.0316	2.79	15	5.19	0.007	1.99	45	26	0.54	675	7
98VB210	-116.3942	41.0441	2.85	16	5.8	0.02	1.93	38	29	0.65	445	9
98VB211	-116.3893	41.0463	2.77	15	6.19	0.024	2.02	35	30	0.71	596	8
98VB212	-116.3838	41.0471	2.87	15	N.d.	N.d.	2.01	35	29	0.72	715	13
98VB213	-116.3777	41.0477	2.58	15	5.89	0.023	1.89	32	28	0.64	421	5
98VB214	-116.3973	41.0418	3.03	16	6.07	0.013	2.04	42	29	0.57	687	10
98SE001	-116.4694	41.0494	3.83	18	9.16	0.025	1.93	52	29	1.21	1112	8
98SE002	-116.4761	41.036	2.91	18	6.5	0.022	2.59	56	28	0.66	544	6
98SE003	-116.4734	41.0408	3.02	16	6.54	0.009	2.13	48	22	0.76	837	8
98SE004	-116.4641	41.0368	2.79	16	6.76	0.003	2.04	42	30	0.62	667	5
98SE005	-116.4619	41.0366	2.98	17	4.76	0	2.12	58	23	0.72	809	7
98SE006	-116.4665	41.0528	3.69	17	6.12	0.009	2	53	24	0.8	1492	9
98SE007	-116.3882	41.0161	2.98	16	5.69	0.063	2.03	38	31	0.66	702	6
98SE008	-116.3799	41.0145	3.43	14	4.32	0.075	1.83	31	26	0.56	1408	9
98SE009	-116.3895	41.0105	2.81	16	3.94	0.047	2.05	40	28	0.61	577	7
98SE010	-116.3931	41.0112	2.79	16	4.73	0.16	1.95	37	28	0.65	609	5
98SE011	-116.3905	41.0067	3.42	16	5.51	0.301	2	36	27	0.65	637	5
98SE012	-116.4611	41.0515	4.18	17	5.51	0.007	1.96	57	24	0.79	1216	7
98SE013	-116.4554	41.043	3.44	17	5.63	0.011	1.94	53	24	0.67	1035	9
98SE014	-116.4585	41.0398	3.15	18	5.69	0.11	1.82	56	24	0.68	1726	11
98SE015	-116.4537	41.03	4.33	18	8.23	0	1.98	46	32	0.63	616	7
98SE016	-116.4521	41.0466	3.04	16	5.97	0.063	1.86	45	26	0.69	1085	8
98SE017	-116.448	41.0532	2.94	16	4.44	0.145	2.15	35	29	0.66	672	11
98SE018	-116.4443	41.0139	3.01	17	6.62	0.028	1.63	47	23	0.84	1079	5
98SE019	-116.4496	41.0138	2.8	16	5.08	0.013	1.96	49	24	0.53	624	6
98SE020	-116.4424	41.0155	3.12	18	4.96	0.033	2.19	61	22	0.55	902	8
98SE021	-116.4378	41.0116	3.48	18	6.61	0.04	2.04	55	22	0.64	1142	8
98SE022	-116.4355	41.0122	2.9	18	5.85	0.03	2.5	54	27	0.59	566	5
98SE023	-116.4271	41.0053	3	19	5.52	0.076	2.11	55	29	0.8	542	5
98SE024	-116.4586	41.0127	3.17	15	5.59	0.038	1.72	42	26	0.48	738	8
98SE025	-116.458	41.008	2.85	19	6.34	0.033	2.31	49	30	0.72	608	9
98SE026	-116.4645	41.0094	3.15	16	5.51	0.017	1.83	40	30	0.57	663	6
98SE027	-116.4768	41.0118	3.09	16	5.81	0.032	1.86	36	32	0.61	630	6
98SE028	-116.4911	41.01	2.68	16	5.66	0.027	1.85	35	30	0.58	643	6
98SE029	-116.4848	41.0085	2.7	16	6.19	0.029	1.97	34	31	0.65	608	4
98SE030	-116.4952	41.0249	3.26	18	7.62	0	2	37	37	0.72	597	4
98SE031	-116.4985	41.0257	5.1	19	8.07	0	1.96	50	27	0.78	677	5
98SE032	-116.4983	41.019	2.23	15	3.25	0.027	2.06	36	24	0.52	565	4
98SE033	-116.4724	41.0266	2.78	16	5.65	0.059	1.88	35	32	0.6	648	6
98SE034	-116.4661	41.0256	2.46	15	4.01	0.014	1.86	42	24	0.47	687	6

Table 4—cont'd.

Sample no.	longitude	latitude	Acme Fe weight %	Acme Ga ppm	USML Ga ppm	USML Hg ppm	Acme K weight %	Acme La ppm	Acme Li ppm	Acme Mg weight %	Acme Mn ppm	Acme Mo ppm
98SE035	-116.4606	41.0178	2.73	15	4.95	0.003	1.82	36	27	0.48	767	9
98SE036	-116.4916	41.1166	2.63	15	3.71	0.011	1.9	47	28	0.49	785	9
98SE037	-116.4922	41.1107	2.66	15	4.66	0.013	1.9	46	27	0.49	912	7
98SE038	-116.4952	41.1106	3.26	17	4.91	0	2.19	51	23	0.55	798	6
98SE039	-116.4927	41.1064	3.07	16	5.43	0.01	1.96	51	28	0.54	785	11
98SE040	-116.4974	41.0819	3.29	20	N.d.	N.d.	2.34	54	32	0.48	687	18
98SE041	-116.496	41.0885	3.1	17	5.61	0.012	2.21	48	32	0.53	606	8
98SE042	-116.4588	41.1242	2.58	18	5.18	0	2.31	47	31	0.76	548	7
98SE043	-116.4549	41.1225	4.44	19	7.42	0	2.28	52	27	0.69	889	5
98SE044	-116.462	41.1164	3.38	18	5.28	0	2.19	54	30	0.69	979	9
98SE045	-116.4628	41.1138	3.46	19	4.65	0	2.32	56	27	0.68	881	8
98SE046	-116.4679	41.1144	3.8	19	5.04	0	2.53	66	26	0.69	913	7
98SE047	-116.47	41.1182	2.7	16	5.18	0.002	2.05	49	25	0.61	625	8
98SE048	-116.4756	41.1189	2.59	16	4.93	0.0005	1.99	40	27	0.6	471	6
98SE049	-116.4662	41.1076	5.26	20	7.29	0.011	2.4	70	27	0.75	1017	8
98SE050	-116.4613	41.1078	2.89	18	5.11	0.016	1.87	50	35	0.92	1052	6
98SE051	-116.4714	41.1052	4.05	20	6.69	0	2.49	62	26	0.75	773	7
98SE052	-116.4492	41.0895	2.54	13	3.73	0.059	1.69	36	20	0.43	607	10
98SE053	-116.4378	41.0912	2.83	15	5.54	0.045	1.86	38	28	0.57	643	11
98SE054	-116.4325	41.0937	2.87	17	5.72	0.025	1.75	44	29	0.76	655	8
98SE055	-116.4319	41.0902	3.19	16	4.85	0.007	2.04	44	25	0.58	863	8
98SE056	-116.4405	41.0846	2.89	17	6.32	0	2.07	35	33	0.71	624	5
98SE057	-116.4488	41.0852	2.89	16	4.19	0.022	1.91	38	27	0.6	704	6
98SE058	-116.4577	41.0852	4.94	20	7.14	0.008	2.38	56	28	0.76	909	6
98SE059	-116.4828	41.0912	4.74	20	6.42	0	2.92	57	27	0.67	944	7
98SE060	-116.4886	41.0893	3.17	18	4.97	0	2.91	48	26	0.66	449	6
98SE061	-116.4767	41.0816	3.19	19	7.11	0.013	2.26	41	42	0.68	644	5
98SE062	-116.4741	41.0846	3.09	18	6.7	0.013	2.34	45	36	0.62	671	7
98SE063	-116.4756	41.0902	3.46	19	5.31	0.037	2.92	50	29	0.57	820	6
98SE064	-116.4648	41.0932	3.35	19	4.92	0.013	3.02	52	30	0.65	796	5
98SE065	-116.4627	41.0887	3.24	19	5.77	0.007	2.52	50	37	0.62	682	5
98SE066	-116.4685	41.0877	3.1	18	7.12	0	2.28	43	40	0.66	636	6
98SE067	-116.475	41.0592	3.18	19	5.06	0.021	2.61	51	30	0.58	695	6
98SE068	-116.4761	41.0635	3.11	17	5.16	0.005	2.22	42	34	0.65	765	6
98SE069	-116.4758	41.0694	2.92	17	4.91	0.017	2.21	45	29	0.6	598	6
98SE070	-116.48	41.0722	3.05	18	7.42	0.014	2	35	40	0.75	567	4
98SE071	-116.4836	41.0755	2.82	17	5.3	0.025	2.36	48	29	0.53	617	7
98SE072	-116.4755	41.0753	3.35	17	4.35	0	2.38	49	28	0.53	626	6
98SE073	-116.4715	41.0757	2.8	17	6.42	0.011	2.14	39	35	0.62	506	6
98SE074	-116.4692	41.0703	3.16	18	5.37	0.009	2.55	52	30	0.53	738	9
98SE075	-116.4715	41.0648	3.47	18	4.92	0.01	2.46	53	30	0.5	774	8
98SE076	-116.392	41.1207	2.86	15	5.69	0.049	1.77	36	35	0.58	612	9
98SE077	-116.3981	41.1236	3.55	18	7.1	0	1.92	43	36	0.68	1056	6
98SE078	-116.4029	41.1213	2.76	16	5.39	0.053	1.88	35	34	0.58	602	7
98SE079	-116.3994	41.1184	3.81	16	6.72	0	1.91	40	28	0.51	689	11
98SE080	-116.3976	41.1155	2.92	16	5.55	0	2.17	44	30	0.47	646	11
98SE082	-116.3805	41.1226	3	17	7.67	0.004	1.72	32	36	0.66	327	5
98SE083	-116.3783	41.1218	3.26	15	4.85	0.035	1.79	37	30	0.57	1207	8
98SE084	-116.3787	41.1194	2.94	14	N.d.	N.d.	1.77	36	33	0.55	550	17
98SE085	-116.3763	41.1151	2.19	10	3.46	0.032	1.31	27	21	0.37	417	15
98SE086	-116.3832	41.1158	2.86	15	5.01	0.026	1.84	34	28	0.51	641	8
98SE087	-116.3934	41.1116	3.78	16	8	0.003	1.48	32	25	0.48	696	7
98SE088	-116.3819	41.0995	2.63	13	4.82	0.031	1.59	37	30	0.47	590	9
98SE089	-116.391	41.0996	2.91	15	5.56	0	1.76	36	33	0.51	612	8
98SE090	-116.4015	41.0968	2.7	15	5.97	0.021	1.75	33	31	0.53	626	12
98SE091	-116.4024	41.1028	2.42	15	4.47	0.021	1.82	37	28	0.51	452	9
98SE092	-116.421	41.1051	2.7	15	5.44	0.008	1.82	36	33	0.58	629	6
98SE093	-116.4254	41.0959	2.81	14	N.d.	N.d.	1.79	34	27	0.57	706	13
98SE094	-116.4321	41.097	2.98	13	N.d.	N.d.	1.45	40	21	0.47	913	19
98SE095	-116.4276	41.0899	2.81	16	6.02	0.011	1.78	35	30	0.61	662	8
98SE096	-116.4143	41.0825	3.05	17	7.1	0.002	1.89	38	36	0.69	679	5
98SE097	-116.4216	41.0845	3.29	18	7.01	0.014	1.74	38	36	0.82	715	5
98SE098	-116.4165	41.0927	2.93	16	4.55	0.027	1.91	43	31	0.63	764	4
98SE099	-116.4347	41.0618	2.96	16	N.d.	N.d.	1.88	36	33	0.69	592	9
98SE100	-116.4107	41.0398	2.88	16	6.07	0.001	1.81	41	29	0.56	856	9
98SE101	-116.4157	41.048	2.79	15	6.73	0.002	1.6	30	35	0.69	596	6
98SE102	-116.4144	41.0525	2.63	16	5.58	0.002	1.93	42	26	0.54	588	9

Table 4—cont'd.

Sample no.	longitude	latitude	Acme Fe weight %	Acme Ga ppm	USML Ga ppm	USML Hg ppm	Acme K weight %	Acme La ppm	Acme Li ppm	Acme Mg weight %	Acme Mn ppm	Acme Mo ppm
98SE103	-116.4325	41.0459	3.51	17	N.d.	N.d.	1.98	38	37	0.69	747	16
98SE104	-116.4326	41.05	3.3	16	5.35	0.06	1.94	37	33	0.65	709	9
98SE105	-116.4217	41.0469	2.93	16	5.31	0.03	1.85	32	35	0.66	621	6
98SE106	-116.4048	41.0416	2.78	11	3.98	0.061	1.15	23	21	0.43	610	12
98SE107	-116.3816	41.0928	2.97	16	N.d.	N.d.	1.8	33	35	0.65	449	10
98SE108	-116.3868	41.09	2.7	14	N.d.	N.d.	1.69	32	28	0.54	696	15
98SE109	-116.3813	41.0862	1.73	8	N.d.	N.d.	0.92	25	14	0.29	321	8
98SE110	-116.3842	41.0795	2.51	13	4.6	0	1.55	36	24	0.47	684	10
98SE111	-116.3811	41.0783	2.9	15	5.12	0.033	1.99	32	33	0.57	673	12
98SE112	-116.3874	41.0765	2.29	9	2.5	0.063	1.35	22	19	0.37	492	15
98SE113	-116.3869	41.0715	2.73	17	4.99	0.0009	1.82	40	30	0.55	614	12
98SE114	-116.3918	41.0698	3.54	17	N.d.	N.d.	2.15	36	33	0.67	745	12
98SE116	-116.3877	41.0595	3.2	15	N.d.	N.d.	1.93	37	30	0.59	627	16
98SE117	-116.38	41.0616	2.7	15	4.98	0.036	1.86	36	28	0.54	610	10
98SE118	-116.3757	41.0634	2.9	16	N.d.	N.d.	1.97	37	30	0.58	582	13
98SE119	-116.3841	41.0575	2.76	16	6.59	0.027	1.95	39	30	0.6	604	7
98SE120	-116.3905	41.0526	2.65	17	5.37	0.013	2.12	44	30	0.57	608	5
98SE121	-116.3898	41.0558	2.8	15	5.64	0.03	1.91	37	28	0.54	548	11
98SE122	-116.4008	41.0126	2.6	15	4.14	0.024	1.91	45	24	0.51	668	9
98SE123	-116.395	41.0367	3.16	18	6.46	0.003	2.05	46	31	0.57	685	7
98SE124	-116.3909	41.04	3.98	19	7.19	0	2.04	49	33	0.71	635	7
98SE125	-116.3846	41.0408	2.78	17	N.d..	N.d.	2.05	40	30	0.6	704	11
98SE126	-116.3932	41.0354	2.85	16	5.43	0.013	1.88	41	29	0.55	715	9
98SE127	-116.401	41.0342	2.34	12	3.05	0.064	1.57	29	23	0.44	495	10
98SE128	-116.4008	41.0386	2.68	11	N.d.	N.d.	1.33	30	21	0.39	595	15
98SE129	-116.3953	41.0454	2.92	19	5.78	0.029	1.93	34	34	0.63	685	9
98SE130	-116.3905	41.049	2.99	19	5.93	0.014	1.95	35	34	0.62	772	11
98SE131	-116.3858	41.0521	3.05	20	5.55	0.021	1.96	34	35	0.61	656	11
98SE132	-116.3793	41.0551	3.02	19	5.73	0.045	2.03	31	41	0.64	648	10
98SE133	-116.3961	41.0495	2.45	12	2.94	0.078	1.54	21	23	0.42	579	11
98SE140	-116.2599	41.1135	2.88	16	3.51	0.159	2.07	27	35	0.71	516	13
98SE141	-116.2572	41.1073	2.05	12	1.79	0.164	1.94	21	21	0.52	362	11
98SE142	-116.2592	41.1102	5.26	18	4.57	0.415	1.95	29	34	0.72	396	19
98SE143	-116.2667	41.1144	N.d.	N.d.	2.95	0.155	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.
98SE144	-116.2729	41.1183	2.75	16	3.5	0.133	1.96	27	28	0.62	440	17
98SE145	-116.2688	41.1184	2.92	17	4.27	0.076	2.08	28	31	0.61	546	14
98SE146	-116.3164	41.1189	2.69	14	4.34	0.03	1.62	60	29	0.56	465	14
98SE147	-116.2863	41.1225	2.8	16	4.92	0.104	1.73	30	33	0.61	460	18
98SE148	-116.2854	41.1185	2.51	13	3.75	0.055	1.84	27	27	0.56	590	15
98SE149	-116.2964	41.1157	2.66	12	3.48	0.052	1.53	28	27	0.5	449	23
98SE150	-116.3046	41.1205	2.93	18	4.36	0.114	2.09	26	34	0.73	492	20
98SE151	-116.2777	41.1075	2.62	14	3.23	0.17	1.88	23	27	0.6	426	18
98SE152	-116.2876	41.1071	2.76	18	4.59	0.049	1.65	34	34	0.63	580	17
98SE153	-116.2848	41.0958	2.59	16	3.3	0.115	2.21	24	31	0.66	374	16
98SE154	-116.2845	41.0999	2.39	14	3.43	0.156	1.49	20	25	0.46	386	24
98SE155	-116.3053	41.0896	3.16	18	5.49	0.236	1.88	25	36	0.66	877	16
98SE156	-116.3058	41.0868	2.22	12	2.28	0.119	1.48	20	21	0.42	542	23
98SE157	-116.3033	41.0859	2.22	11	2.22	0.124	1.54	21	22	0.45	290	24
98SE158	-116.3018	41.0896	2.52	13	3.13	0.085	1.74	20	28	0.49	481	20
98SE159	-116.328	41.1134	2.3	12	2.92	0.041	1.28	26	23	0.41	303	21
98SE160	-116.3271	41.111	2.55	13	3.16	0.087	1.6	29	27	0.56	481	16
98SE161	-116.3335	41.1061	2.81	17	3.74	0.104	1.7	34	30	0.6	451	20
98SE162	-116.338	41.1029	2.66	14	4.08	0.06	1.62	38	30	0.54	506	14
98SE163	-116.3346	41.1097	2.96	16	4.18	0.096	1.73	33	30	0.52	694	14
98SE164	-116.3492	41.1156	2.48	14	4.1	0.041	1.52	29	27	0.48	331	14
98SE165	-116.3494	41.1194	2.83	18	4.43	0.104	1.92	34	36	0.62	551	9
98SE166	-116.3527	41.1203	2.92	17	4.33	0.067	1.95	32	35	0.58	630	7
98SE167	-116.3552	41.1168	2.47	14	3.96	0.041	1.52	36	29	0.48	483	13
98SE168	-116.3483	41.0929	3.02	16	4.15	0.075	1.99	36	36	0.61	611	9
98SE169	-116.3411	41.0925	2.74	14	3.51	0.135	1.62	31	27	0.47	440	18
98SE170	-116.3399	41.0955	2.94	15	4.24	0.158	1.94	25	33	0.64	855	12
98SE171	-116.34	41.0982	2.33	12	2.72	0.043	1.38	21	23	0.45	408	17
98SE172	-116.3451	41.0972	2.71	15	2.88	0.037	1.78	27	28	0.49	495	11
98SE173	-116.3594	41.1166	2.54	15	3.95	0.075	1.58	32	29	0.49	530	14
98SE174	-116.3621	41.115	2.78	15	3.92	0.031	1.64	38	30	0.52	618	11
98SE175	-116.3689	41.1162	2.54	14	3.48	0.058	1.58	32	30	0.53	497	12
98SE176	-116.3733	41.1133	2.79	16	4.33	0.044	1.66	40	32	0.51	731	11

Table 4—cont'd.

Sample no.	longitude	latitude	Acme Fe weight %	Acme Ga ppm	USML Ga ppm	USML Hg ppm	Acme K weight %	Acme La ppm	Acme Li ppm	Acme Mg weight %	Acme Mn ppm	Acme Mo ppm
98SE177	-116.3534	41.0827	2.49	11	2.69	0.054	1.37	22	23	0.42	370	23
98SE178	-116.3525	41.0783	2.93	15	4.67	0.102	1.81	33	34	0.57	823	13
98SE179	-116.3629	41.0786	3.11	19	5.11	0.066	1.91	40	41	0.69	724	6
98SE180	-116.3663	41.0804	2.49	10	1.39	0.148	1.59	22	20	0.39	511	17
98SE181	-116.3743	41.0789	2.73	17	3.95	0.037	1.87	42	33	0.56	864	8
98SE182	-116.3746	41.083	3.04	16	4.88	0.045	1.85	32	37	0.65	694	11
98SE183	-116.372	41.0833	3.04	16	4.03	0.089	1.83	32	38	0.69	898	13
98SE184	-116.3626	41.0852	3.1	17	3.78	0.087	1.81	32	35	0.61	727	8
98SE185	-116.3672	41.0929	3.05	15	3.74	0.099	1.61	31	34	0.6	982	18
98SE186	-116.3239	41.047	5.3	13	2.4	0.161	1.7	23	27	0.55	1691	16
98SE187	-116.3267	41.0486	2.81	16	2.84	0.112	1.89	28	30	0.57	479	10
98SE188	-116.3339	41.046	3.61	14	2.36	0.111	1.68	24	25	0.51	838	12
98SE189	-116.3366	41.0528	2.5	17	3.21	0.146	1.6	24	26	0.52	304	18
98SE190	-116.3376	41.0473	2.78	15	3.05	0.093	1.78	29	28	0.5	424	13
98SE191	-116.3419	41.0433	3.91	15	2.54	0.131	1.65	25	26	0.48	1084	15
98SE192	-116.3478	41.0437	3.15	15	2.17	0.092	1.79	30	27	0.49	453	8
98SE193	-116.3472	41.0396	3.94	14	3.23	0.178	1.71	25	27	0.55	1681	15
98SE194	-116.3477	41.0369	2.66	16	3.03	0.116	1.87	27	28	0.62	736	10
98SE195	-116.352	41.036	3.5	13	2.46	0.09	1.74	28	24	0.53	1096	12
98SE196	-116.3597	41.0347	3.02	14	2.24	0.077	1.78	26	25	0.48	775	8
98SE197	-116.2999	41.068	2.59	16	3	0.22	1.98	27	31	0.67	539	15
98SE198	-116.3063	41.0676	12.09	12	1.87	0.117	1.73	23	25	0.47	770	18
98SE199	-116.3102	41.0631	2.35	13	1.8	0.178	1.71	23	21	0.41	324	15
98SE200	-116.3109	41.061	2.69	14	2.39	0.29	1.68	22	21	0.47	530	20
98SE201	-116.3189	41.0639	2.4	13	2.1	0.192	1.7	21	22	0.47	678	17
98SE202	-116.3237	41.0608	2.42	16	3.65	0.204	1.79	25	25	0.54	337	13
98SE203	-116.3304	41.0622	2.33	12	2.26	0.132	1.62	21	21	0.45	604	16
98SE204	-116.3486	41.0511	2.43	17	3.29	0.089	1.9	29	31	0.56	365	7
98SE205	-116.346	41.0511	2.63	17	3.86	0.055	1.78	31	30	0.54	429	13
98SE206	-116.3527	41.0464	2.96	18	5.46	0.084	1.81	30	37	0.62	420	10
98SE207	-116.3544	41.0373	3	14	3.29	0.128	1.79	29	30	0.53	643	7
98SE208	-116.3597	41.0366	2.77	17	3.9	0.025	1.86	29	36	0.69	847	10
98SE209	-116.3697	41.0294	3.27	14	3.02	0.138	1.76	28	26	0.52	1429	9
98SE210	-116.3686	41.0338	3.17	17	4.84	0.038	2.01	34	33	0.57	731	9
98SE211	-116.3724	41.0456	2.86	18	3.8	0.097	1.93	34	35	0.62	543	6
98SE212	-116.3736	41.0367	2.58	16	2.7	0.024	2.14	44	24	0.48	1140	9
98SE213	-116.3378	41.0692	2.49	11	1.8	0.18	1.6	22	20	0.38	577	13
98SE214	-116.3357	41.0756	2.69	16	3.17	0.107	1.98	33	34	0.55	474	11
98SE215	-116.3288	41.0771	N.d.	N.d.	4.45	0.112	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.
98SE216	-116.3262	41.0786	2.82	15	4.1	0.11	2.07	27	34	0.6	511	14
98SE217	-116.3246	41.0761	2.64	13	2.17	0.171	1.92	22	26	0.54	835	12
98SE218	-116.3225	41.0744	2.59	14	3.45	0.1	1.8	28	30	0.53	500	13
98SE219	-116.3187	41.0762	2.69	14	2.34	0.221	1.91	22	24	0.55	610	16
98SE220	-116.3149	41.0793	2.24	11	1.8	0.119	1.49	18	20	0.38	454	16
98SE221	-116.3124	41.0799	3.12	12	2.12	0.153	1.69	21	22	0.48	877	20
98SE222	-116.3414	41.0701	2.7	14	3.09	0.152	2.17	28	24	0.53	537	13
98SE223	-116.3449	41.0745	2.59	13	2.07	0.121	1.68	24	23	0.46	627	11
98SE224	-116.3494	41.0731	3.27	16	3.66	0.112	1.84	32	29	0.53	914	9
98SE225	-116.3701	41.0585	2.89	17	3.71	0.072	2.08	34	33	0.6	586	11
98SE226	-116.3698	41.0621	3.09	17	3.98	0.077	2.07	36	35	0.62	834	10
98SE227	-116.3722	41.0645	2.82	17	3.94	0.059	2.06	36	35	0.61	369	11
98SE228	-116.372	41.0137	2.73	16	3.61	0.025	1.97	34	29	0.53	576	10
98SE229	-116.3696	41.0127	2.86	17	4.17	0.045	1.91	32	34	0.72	685	10
98SE230	-116.3468	41.0144	2.92	18	4.72	0.091	2.32	34	35	0.73	458	5
98SE231	-116.3433	41.0122	3.19	18	4.49	0.084	2.08	38	32	0.65	763	14
98SE232	-116.34	41.0154	3.21	15	3.86	0.192	1.89	26	31	0.67	1649	10
98SE233	-116.3387	41.0217	2.89	17	4.19	0.218	1.95	31	33	0.6	730	12
98SE234	-116.3346	41.022	2.59	13	2.59	0.124	1.96	26	24	0.56	937	10
98SE235	-116.326	41.0253	2.74	13	3.46	0.135	2.04	25	28	0.66	2399	10
98SE236	-116.3265	41.028	2.71	15	2.81	0.181	1.99	24	26	0.64	859	13
98SE237	-116.3512	41.0116	2.79	14	3.13	0.18	1.94	24	24	0.58	1187	13
98SE238	-116.3528	41.0149	2.68	17	3.54	0.078	1.97	32	33	0.58	537	11
98SE239	-116.356	41.0215	3.23	15	3.77	0.099	1.9	33	28	0.52	676	13
98SE240	-116.3598	41.0237	2.69	16	4.32	0.05	1.8	32	30	0.55	564	8
98SE241	-116.366	41.0166	2.81	17	4.39	0.068	1.92	33	35	0.59	616	10
98SE242	-116.3679	41.018	2.36	16	3.25	0.022	2.04	34	27	0.54	598	6
98SE243	-116.3414	41.0011	3.12	16	3.93	0.057	1.98	38	30	0.61	906	12

Table 4—cont'd.

Sample no.	longitude	latitude	Acme Fe weight %	Acme Ga ppm	USML Ga ppm	USML Hg ppm	Acme K weight %	Acme La ppm	Acme Li ppm	Acme Mg weight %	Acme Mn ppm	Acme Mo ppm
98SE244	-116.2546	41.0325	3.6	16	3.75	0.216	2.23	26	31	0.96	898	16
98SE245	-116.2555	41.0427	2.97	14	3.07	0.288	1.87	22	22	0.66	658	14
98SE246	-116.2566	41.0483	2.36	10	1.79	0.146	1.43	17	14	0.38	359	19
98SE247	-116.258	41.0522	3.34	12	1.55	0.246	1.8	23	15	0.47	861	19
98SE248	-116.2616	41.0519	2.82	12	2.69	0.248	1.63	22	22	0.55	2075	16
98SE249	-116.2641	41.0594	3.13	13	2.68	0.132	1.82	22	23	0.58	763	15
98SE250	-116.2661	41.0561	2.41	11	1.87	0.109	1.79	22	22	0.52	772	16
98SE251	-116.2675	41.0972	1.84	12	1.94	0.148	1.61	23	23	0.48	262	11
98SE252	-116.2646	41.1003	2.12	12	2.47	0.183	1.71	22	21	0.44	372	19
98SE253	-116.2649	41.1045	2.29	12	2.37	0.137	1.58	21	20	0.45	454	25
98SE254	-116.2736	41.0953	2.36	13	3.04	0.25	1.89	23	23	0.56	444	20
98SE255	-116.2721	41.0938	2.18	12	2.28	0.152	1.58	22	22	0.46	427	17
98TT39	-116.2651	41.0027	3.33	15	3.32	0.143	2.29	27	28	0.94	1090	18
98TT40	-116.274	41.0041	3.1	14	3.35	0.165	1.97	21	22	0.69	891	18
98TT41	-116.2784	41.0089	2.66	14	2.37	0.215	1.76	22	24	0.71	763	12
98TT42	-116.2847	41.014	3.09	14	3.55	0.113	2.24	26	26	0.91	858	17
98TT43	-116.2901	41.0163	3.54	15	3.82	0.202	2.27	29	32	1.01	2081	17
98TT44	-116.2942	41.0159	3.23	17	2.51	0.16	2.28	28	30	0.9	723	19
98TT45	-116.2925	41.0137	3.27	16	4.52	0.22	2.03	27	31	0.87	1338	13
98TT46	-116.2546	41.0047	3.11	15	4.35	0.111	2.27	28	28	0.85	732	19
98TT47	-116.2514	41.0092	2.52	12	3.69	0.146	1.78	19	19	0.56	754	18
98TT48	-116.2544	41.0241	N.d.	N.d.	2.62	0.266	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.
98TT49	-116.2559	41.0228	3.12	15	3.36	0.24	2.16	22	23	0.76	775	24
98TT50	-116.2907	41.0466	N.d.	N.d.	2.19	0.119	N.d.	N.d.	N.d.	N.d.	N.d.	N.d..
98TT51	-116.2958	41.0451	N.d.	N.d.	3.42	0.121	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.
98TT52	-116.2972	41.031	N.d.	N.d.	2.81	0.149	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.
98TT53	-116.3024	41.0298	N.d.	N.d.	3.48	0.17	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.
98TT54	-116.281	41.0332	3.55	16	3.78	0.145	2.21	24	32	0.75	1216	12
98TT55	-116.281	41.0314	3.34	16	3.5	0.181	1.94	28	33	0.73	1276	17
98TT56	-116.2733	41.0294	N.d.	N.d.	2.68	0.135	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.
98TT57	-116.2717	41.0278	3.14	14	2.74	0.386	1.85	27	28	0.83	1378	22
98TT58	-116.2697	41.0351	2.77	12	2.63	0.189	1.63	20	21	0.54	1005	16
98TT59	-116.2724	41.0344	3.23	11	2.46	0.244	1.71	20	24	0.7	3480	18
98TT60	-116.2718	41.0766	N.d.	N.d.	2.14	0.091	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.
98TT61	-116.2665	41.0724	2.31	12	2.51	0.085	1.68	22	26	0.52	489	18
98TT62	-116.2651	41.0693	3.59	16	1.7	0.176	2.47	25	26	1	1045	15
98TT63	-116.2694	41.0693	N.d.	N.d.	1.62	0.084	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.
98TT64	-116.2703	41.0675	1.94	10	1.83	0.042	1.46	21	23	0.45	486	18
98TT65	-116.3256	41.0015	3.56	16	4.4	0.28	2.09	25	31	0.92	1291	26
98TT66	-116.3294	41.0024	2.93	16	3.2	0.081	1.97	32	34	0.83	885	11
98TT67	-116.3229	41.016	3.85	15	3.35	0.154	1.74	26	32	0.68	2324	11
98TT68	-116.3227	41.0175	2.81	14	2.4	0.074	2.14	27	25	0.7	1185	13
98TT69	-116.3177	41.0202	N.d.	N.d.	2.94	0.148	N.d.	N.d.	N.d.	N.d.	N.d.	N.d.

Table 5—Analytical data for Mo, Na, Nb, Ni, P, Pb, Rb, and Sb for stream-sediment samples from the Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles, Nev.

[Analytical procedures, see text; elements analyzed by Acme laboratories, total digestion; elements analyzed by USML laboratories, partial digestion. N.d., not determined; ppm, parts per million]

Sample no.	longitude	latitude	USML Mo ppm	Acme Na weight %	Acme Nb ppm	Acme Ni ppm	Acme P weight %	Acme Pb ppm	USML Pb ppm	Acme Rb ppm	Acme Sb ppm	USML Sb ppm
98VB053	-116.4955	41.0478	1.91	1.46	30.3	18	0.046	23	8.29	154	< 5	0.554
98VB054	-116.4953	41.0394	2.23	1.38	21.6	17	0.038	22	8.85	156	< 5	0.596
98VB055	-116.4931	41.0332	3.21	1.59	20.2	18	0.045	22	10.6	118	< 5	0.789
98VB056	-116.4981	41.0365	2.19	1.74	26.3	20	0.041	22	10.7	113	< 5	0.65
98VB057	-116.4924	41.0463	6.6	1.16	28.2	21	0.053	23	13.1	152	< 5	1.06
98VB058	-116.492	41.0413	2.79	1.06	19.7	16	0.043	22	10.5	209	< 5	0.675
98VB059	-116.4869	41.0364	2.99	1.63	24	21	0.039	23	13.2	108	< 5	0.695
98VB060	-116.4856	41.0321	2.86	1.71	14.5	18	0.05	20	8.98	116	< 5	0.853
98VB061	-116.4808	41.0358	5.94	1.41	19	19	0.046	25	14.7	113	< 5	0.984
98VB062	-116.4814	41.0413	3.95	1.21	33.6	17	0.044	40	28.9	99	16	13.4
98VB063	-116.4804	41.042	4.33	1.39	26.9	21	0.046	41	30.4	103	< 5	1.04
98VB064	-116.4841	41.0465	2.8	1.15	24.8	15	0.048	33	22.7	102	< 5	2.19
98VB065	-116.4876	41.0496	2.76	1.13	21	13	0.05	26	17.1	112	< 5	0.846
98VB066	-116.4933	41.0543	3.67	0.96	21.5	9	0.052	26	7	281	< 5	0.578
98VB067	-116.4944	41.0602	6.67	1.68	31.2	16	0.053	26	11.8	156	< 5	1.34
98VB068	-116.484	41.0603	8.78	1.56	29.3	23	0.052	24	11.2	143	< 5	3.95
98VB069	-116.479	41.0568	3.6	0.9	27.6	11	0.065	25	16	72	< 5	1.35
98VB070	-116.4736	41.055	1.73	0.44	18.5	9	0.057	23	14.1	108	< 5	0.921
98VB071	-116.4729	41.0491	3.84	1.24	21.7	16	0.056	33	21	101	< 5	1.06
98VB072	-116.4617	41.0403	4.61	1.02	24.1	21	0.061	28	17.4	86	< 5	1.02
98VB073	-116.463	41.045	6.21	1.12	20.8	22	0.053	33	21.9	93	< 5	2.12
98VB074	-116.4654	41.0583	3.48	0.95	30.5	22	0.057	39	26.2	92	10	5.63
98VB075	-116.3825	41.0243	6.17	1.61	11.1	20	0.066	21	9.91	103	< 5	1.33
98VB076	-116.3847	41.0161	5.15	1.4	10.8	26	0.056	21	11.6	101	< 5	1.86
98VB077	-116.3812	41.0123	9.63	0.71	8.6	55	0.113	18	11.2	100	< 5	2.38
98VB078	-116.3881	41.0099	6.69	0.78	8	59	0.114	18	10.6	94	< 5	2.4
98VB079	-116.3952	41.0061	8.96	0.75	8.2	66	0.126	18	11.5	90	< 5	3.17
98VB080	-116.4626	41.0558	4.12	0.88	21.4	21	0.064	34	22	95	8	2.49
98VB081	-116.4579	41.0493	3.94	0.81	25.2	34	0.083	39	27.8	79	6	3.27
98VB082	-116.4521	41.0354	2.1	1.5	28.8	19	0.045	28	15	107	< 5	0.85
98VB083	-116.4504	41.0396	5.54	1.08	15.1	35	0.073	33	22.7	90	19	15.6
98VB084	-116.4473	41.0431	5.43	1.61	11.5	24	0.064	26	14.8	94	6	5
98VB085	-116.4583	41.0594	3.92	0.99	24.9	17	0.064	28	17.1	121	< 5	1.07
98VB086	-116.4544	41.0625	3.89	1.13	18.9	30	0.118	51	19.2	86	< 5	1.83
98VB087	-116.441	41.062	4.9	1.39	9.8	22	0.075	20	11	98	< 5	1.71
98VB088	-116.446	41.0582	6.03	1.19	9.9	42	0.121	21	12.8	112	< 5	3.17
98VB089	-116.4392	41.0554	6.02	1.16	9.5	27	0.121	20	11.5	105	7	4.08
98VB090	-116.4523	41.0549	7.5	0.7	14.8	42	0.084	26	19.5	84	< 5	4.42
98VB091	-116.4494	41.052	9.57	0.96	11.3	52	0.105	21	14.6	101	7	6.34
98VB092	-116.4431	41.0491	8.3	1.01	9.2	52	0.086	21	12.2	119	< 5	3.48
98VB093	-116.4384	41.0437	4.78	1.07	8.1	24	0.085	17	10.2	90	< 5	2.41
98VB094	-116.429	41.009	5.38	1.61	18.3	18	0.041	25	13.5	107	< 5	2.34
98VB095	-116.4319	41.0133	4.71	1.62	25	19	0.037	29	15.9	110	< 5	0.738
98VB096	-116.4356	41.0173	3.24	1.51	29.4	19	0.038	31	18.2	100	< 5	0.677
98VB097	-116.4425	41.0211	3.49	1.34	36	21	0.042	35	22.7	101	< 5	0.834
98VB098	-116.4488	41.0244	4.05	1.25	10.4	23	0.061	17	10.5	101	< 5	1.61
98VB099	-116.4584	41.0037	2.11	1.48	22.1	19	0.05	25	14.6	98	< 5	1.01
98VB100	-116.4576	41.0004	3.46	1.42	17.3	20	0.052	23	13.5	108	< 5	1.2
98VB101	-116.4626	41.0045	3.03	1.65	15.3	15	0.044	23	10.8	114	< 5	0.82
98VB102	-116.4686	41.0068	5.14	1.16	8.5	21	0.07	16	9.27	92	< 5	1.58
98VB103	-116.4826	41.0043	5.12	1.44	8.9	19	0.059	22	13.1	110	< 5	1.57
98VB104	-116.4769	41.0016	3.2	1.45	11.5	17	0.057	19	9.69	122	< 5	1.12
98VB105	-116.4961	41.014	2.88	1.58	13.8	19	0.044	19	10.5	100	< 5	0.86
98VB106	-116.489	41.0194	4.35	1.49	12.3	21	0.05	19	10.5	105	< 5	1.09
98VB107	-116.485	41.0155	3.8	1.37	10.5	21	0.055	20	11.3	106	< 5	1.34
98VB108	-116.4799	41.018	3.24	1.38	9.4	18	0.048	19	10.8	99	< 5	1.16
98VB109	-116.4812	41.0232	4.47	1.56	11	19	0.049	19	10.7	108	< 5	1.22
98VB110	-116.4746	41.0218	4.45	1.54	9.6	19	0.048	20	10.6	104	< 5	1.36
98VB111	-116.4676	41.0194	3.97	1.56	10.4	19	0.035	19	10.8	107	< 5	1.05
98VB112	-116.4966	41.1206	4.96	1.47	13	17	0.039	23	12.8	107	< 5	1.1
98VB113	-116.4945	41.123	6.16	1.5	13.6	15	0.042	18	8.51	103	< 5	1
98VB114	-116.4983	41.1057	2.67	1.33	18.1	19	0.042	24	13.1	134	< 5	0.57
98VB115	-116.4933	41.1016	4.43	1.43	13.6	16	0.049	34	11.6	118	< 5	1.71
98VB116	-116.4937	41.0978	3.88	1.57	17.5	16	0.044	23	11.3	119	< 5	0.897

Table 5—cont'd.

Sample no.	longitude	latitude	USML Mo ppm	Acme Na weight %	Acme Nb ppm	Acme Ni ppm	Acme P weight %	Acme Pb ppm	USML Pb ppm	Acme Rb ppm	Acme Sb ppm	USML Sb ppm
98VB117	-116.4971	41.0989	4.28	1.44	20.7	18	0.044	25	13.5	119	< 5	1.09
98VB118	-116.4966	41.0929	3.87	1.59	33.4	16	0.041	22	10.6	132	< 5	0.735
98VB119	-116.4537	41.109	5.84	1.14	14.7	30	0.055	22	13.1	117	< 5	0.863
98VB120	-116.4477	41.115	4.8	1.07	16.4	35	0.055	24	14.2	110	< 5	1.03
98VB121	-116.4472	41.1188	4.27	1.57	24.7	10	0.041	27	12.2	162	< 5	0.319
98VB122	-116.4405	41.1189	5.04	1.06	15.3	36	0.057	19	11.3	99	< 5	1
98VB123	-116.4364	41.1211	N.d.	0.98	16.1	56	0.081	22	N.d.	104	< 5	N.d.
98VB124	-116.4356	41.1191	5.2	0.99	16.2	28	0.049	24	15.5	92	< 5	0.872
98VB125	-116.4332	41.1166	8.9	0.68	14.3	17	0.041	23	15.9	52	< 5	0.848
98VB126	-116.4624	41.1029	3.7	1.22	13.8	17	0.062	21	12.3	109	< 5	0.839
98VB127	-116.4517	41.1035	5.02	1.32	10.8	20	0.053	20	11	100	< 5	1.13
98VB128	-116.4419	41.1026	5.86	1.32	9.5	19	0.055	19	10.4	101	< 5	1.26
98VB129	-116.4452	41.0997	3.46	1.43	9.9	20	0.054	18	9.89	109	< 5	1.11
98VB130	-116.4508	41.0956	2.18	1.09	32.5	13	0.052	26	13.5	126	< 5	0.241
98VB131	-116.4518	41.0915	1.85	1.18	32	15	0.055	26	14.2	128	< 5	0.239
98VB132	-116.4575	41.0881	4.32	0.88	19.4	22	0.075	25	14.9	97	< 5	0.782
98VB133	-116.4782	41.094	2.42	1.45	25.6	13	0.049	25	11.1	171	< 5	0.438
98VB134	-116.4828	41.0947	3.06	1.28	19.6	15	0.049	23	9.79	169	< 5	0.844
98VB135	-116.4882	41.0967	4.81	1.48	16	17	0.048	23	12.1	126	< 5	1.31
98VB136	-116.4803	41.0986	5.19	1.49	16.7	17	0.046	22	10.9	132	< 5	1.15
98VB137	-116.48	41.1052	4.4	1.49	14.3	18	0.058	25	13.2	90	< 5	1.53
98VB138	-116.4711	41.0952	1.67	1.54	36.2	15	0.06	25	10.5	158	< 5	0.453
98VB139	-116.473	41.1015	2.27	1.58	27.7	14	0.052	27	11.8	135	< 5	0.766
98VB140	-116.4675	41.0987	4.27	1.39	22.2	19	0.069	26	11.9	140	< 5	0.644
98VB141	-116.4988	41.0662	7.01	1.63	25.5	18	0.067	28	12.5	133	< 5	1.36
98VB142	-116.493	41.0727	5.8	1.7	28.3	20	0.053	24	10.7	128	< 5	1.1
98VB143	-116.4893	41.0668	N.d.	1.58	21	27	0.075	26	N.d.	119	< 5	N.d.
98VB144	-116.4893	41.0634	4.61	1.77	44.4	17	0.058	27	12.4	122	< 5	0.971
98VB145	-116.4739	41.061	5.79	1.71	17	18	0.067	25	12.8	120	< 5	2.77
98VB146	-116.4507	41.0691	5.2	1.17	12.7	28	0.071	22	12.5	106	< 5	1.5
98VB147	-116.4565	41.071	3.06	1.33	17.2	15	0.082	25	13.2	114	< 5	0.985
98VB148	-116.4526	41.0792	3.83	1.04	16.2	32	0.091	24	16.1	111	< 5	1.35
98VB149	-116.4457	41.0763	4.25	0.84	12.7	32	0.1	23	17.1	98	< 5	1.69
98VB150	-116.4409	41.0717	4.33	1.23	12.7	48	0.162	26	13.5	103	< 5	2.15
98VB151	-116.4394	41.0669	6.11	1.21	11.8	54	0.221	21	13.3	106	< 5	2.85
98VB152	-116.4411	41.0773	3.24	1.71	11.7	23	0.07	24	13.8	93	< 5	0.92
98VB153	-116.4356	41.0782	4.19	1.39	11.2	31	0.092	20	11.3	115	< 5	1.76
98VB154	-116.4196	41.1123	2.02	0.65	30.4	8	0.032	30	19.7	68	< 5	0.509
98VB155	-116.424	41.1154	2.41	1.21	21.9	16	0.028	27	15.5	112	< 5	0.721
98VB156	-116.4213	41.1189	4.75	1.13	13.2	23	0.057	20	11.6	93	< 5	0.922
98VB157	-116.417	41.1192	4.16	1.5	19.4	14	0.043	24	11.5	125	< 5	0.829
98VB158	-116.4127	41.1144	3.61	1.45	21.4	16	0.039	28	10.7	135	< 5	0.764
98VB159	-116.4177	41.124	4.48	1.5	14.1	19	0.059	25	14.7	91	< 5	0.962
98VB160	-116.4099	41.122	7.07	1.26	10.6	28	0.069	21	11.5	98	< 5	1.28
98VB161	-116.4057	41.1186	4.71	1.28	13.2	21	0.052	22	13.5	96	< 5	1.19
98VB162	-116.4078	41.119	2.88	1.4	21.9	18	0.043	26	14.3	121	< 5	0.819
98VB163	-116.4054	41.1139	2.47	1.43	22.8	17	0.048	25	13.6	120	< 5	0.774
98VB164	-116.3992	41.1095	2.7	1.39	17.6	17	0.048	24	10.6	124	< 5	0.869
98VB165	-116.3905	41.1074	10.6	1.03	9.7	28	0.054	18	11.7	82	< 5	1.39
98VB166	-116.3952	41.1032	11	0.97	8.5	30	0.055	16	9.68	71	< 5	1.22
98VB167	-116.3886	41.1044	11.2	0.9	7.8	23	0.052	15	8.83	62	< 5	1.21
98VB168	-116.381	41.1051	15.6	0.72	7.7	31	0.048	15	9.35	53	< 5	1.14
98VB169	-116.4109	41.1041	N.d.	1.11	9.6	41	0.052	17	N.d.	72	< 5	N.d.
98VB170	-116.4046	41.1053	10.9	1.06	9.3	28	0.049	17	9.38	72	< 5	1.17
98VB171	-116.4243	41.1007	6.32	1.34	11.8	19	0.05	19	10.7	81	< 5	0.834
98VB172	-116.4115	41.0887	8	1.05	8.7	33	0.084	18	11.2	89	< 5	1.9
98VB173	-116.4024	41.0882	7.41	1.25	9.6	31	0.079	19	11.5	103	< 5	1.76
98VB174	-116.4025	41.0914	4.94	1.17	9	24	0.061	18	10.5	98	< 5	1.38
98VB175	-116.4096	41.0922	6.49	1.04	8.1	33	0.067	17	10.4	97	< 5	1.57
98VB176	-116.4168	41.0947	3.57	1.32	9.6	27	0.08	16	9.9	110	< 5	1.36
98VB177	-116.4305	41.0634	4.12	1.68	13.3	19	0.054	22	11.1	119	< 5	0.976
98VB178	-116.4289	41.0674	3.37	1.43	14.3	22	0.065	21	11.6	124	< 5	0.993
98VB179	-116.4258	41.0643	5.31	1.36	15.4	17	0.062	22	12.1	114	< 5	0.849
98VB180	-116.407	41.0359	6.85	1.48	10.3	26	0.052	25	11.6	91	5	2.61
98VB181	-116.4109	41.0472	3.67	1.34	11.5	25	0.066	21	10.2	117	< 5	1.56
98VB182	-116.4094	41.0533	5	1.46	11.2	22	0.047	22	11.4	96	< 5	1.42

Table 5—cont'd.

Sample no.	longitude	latitude	USML Mo ppm	Acme Na weight %	Acme Nb ppm	Acme Ni ppm	Acme P weight %	Acme Pb ppm	USML Pb ppm	Acme Rb ppm	Acme Sb ppm	USML Sb ppm
98VB183	-116.4321	41.0568	4.24	1.33	10.9	31	0.092	18	9.21	121	< 5	1.47
98VB184	-116.4275	41.0601	4.42	1.27	12.3	28	0.069	21	11.9	114	< 5	1.39
98VB185	-116.4224	41.0566	5.3	1	10.7	29	0.041	17	11.9	81	< 5	2.04
98VB186	-116.4207	41.0424	6.88	0.8	7.8	40	0.099	36	39.8	83	7	5.19
98VB187	-116.4088	41.0602	5.44	1.34	10.7	26	0.048	20	10.5	106	< 5	1.36
98VB188	-116.4073	41.0636	6.83	1.27	10	27	0.063	20	11.7	97	< 5	2.01
98VB189	-116.406	41.0696	7.44	1.08	9.9	30	0.064	20	12.8	98	< 5	2.04
98VB190	-116.4082	41.0733	5.4	1.2	10.2	30	0.06	19	10.6	112	< 5	1.45
98VB191	-116.4024	41.0745	5.4	1.13	9.3	31	0.065	18	10.4	114	< 5	1.6
98VB192	-116.4052	41.0772	4.92	1.1	9.4	37	0.079	19	10.8	114	< 5	2.04
98VB193	-116.4013	41.0815	7.42	1.08	8.8	31	0.067	18	10.8	104	< 5	1.75
98VB194	-116.3987	41.0765	6.68	1.14	9.3	35	0.064	19	10.5	112	< 5	1.5
98VB195	-116.3992	41.0719	7.09	0.95	10	33	0.061	19	11.5	102	< 5	1.59
98VB196	-116.3941	41.0572	4.51	1.4	11.7	23	0.055	20	10.9	100	< 5	1.3
98VB197	-116.3899	41.0606	5.74	1.31	11.5	23	0.055	20	10.6	106	< 5	1.2
98VB198	-116.3855	41.0633	5.74	1.2	9.8	26	0.062	20	11.9	100	< 5	1.34
98VB199	-116.3784	41.0652	6.21	1.2	9.5	25	0.067	19	10.8	103	< 5	1.54
98VB200	-116.3828	41.0662	6.25	1.17	8.7	26	0.075	19	11.7	96	< 5	1.95
98VB201	-116.3922	41.0645	N.d.	1.16	9.6	33	0.061	20	N.d.	111	< 5	N.d.
98VB202	-116.3987	41.0188	8.41	1.43	10.4	30	0.064	20	10	97	< 5	2
98VB203	-116.3851	41.0377	8.46	1.08	9.7	34	0.078	19	10.8	97	< 5	1.64
98VB204	-116.3795	41.0394	9.75	0.98	9.2	40	0.082	18	11.2	96	< 5	1.87
98VB205	-116.3758	41.0422	7.11	0.93	8.5	39	0.086	19	11.8	93	< 5	1.83
98VB206	-116.3808	41.035	7.76	1.55	9.8	26	0.05	21	11.6	103	< 5	1.38
98VB207	-116.3892	41.034	5.45	1.44	10.8	22	0.048	22	13.6	98	< 5	1.59
98VB208	-116.3915	41.0304	4.92	1.47	11.9	26	0.059	21	12.4	106	< 5	1.47
98VB209	-116.3968	41.0316	5.4	1.67	12.5	21	0.052	21	12.2	96	< 5	1.46
98VB210	-116.3942	41.0441	7.68	1.32	10.5	29	0.067	19	10.9	98	< 5	1.6
98VB211	-116.3893	41.0463	7.72	1.3	9.2	28	0.075	18	10.6	97	< 5	1.7
98VB212	-116.3838	41.0471	N.d.	1.12	9	41	0.086	18	N.d.	103	< 5	N.d.
98VB213	-116.3777	41.0477	4.69	1.34	8.4	23	0.069	17	10.4	98	< 5	1.19
98VB214	-116.3973	41.0418	6.84	1.4	12.2	29	0.063	20	11.7	100	< 5	1.56
98SE001	-116.4694	41.0494	4.45	0.74	26.3	15	0.055	35	26.8	98	< 5	0.818
98SE002	-116.4761	41.036	4.01	1.47	20.9	17	0.057	24	11.5	145	< 5	0.916
98SE003	-116.4734	41.0408	4.55	1.37	17.1	16	0.048	26	16.3	103	< 5	0.876
98SE004	-116.4641	41.0368	3.91	1.61	12	19	0.05	20	11.2	106	< 5	1.19
98SE005	-116.4619	41.0366	3.97	1.64	20.7	17	0.055	26	15	94	< 5	0.793
98SE006	-116.4665	41.0528	4.76	1.17	25.9	24	0.055	39	29.3	96	< 5	1.61
98SE007	-116.3882	41.0161	5.68	1.17	10.1	32	0.106	20	12.8	101	< 5	2.24
98SE008	-116.3799	41.0145	7.87	0.81	7.5	81	0.151	18	11.3	92	< 5	2.18
98SE009	-116.3895	41.0105	5.9	1.46	9.8	25	0.078	20	10.3	97	< 5	2.45
98SE010	-116.3931	41.0112	4.92	1.27	9.7	29	0.066	20	12.2	95	< 5	2.81
98SE011	-116.3905	41.0067	5.22	0.87	10	38	0.123	27	21.5	97	< 5	4.36
98SE012	-116.4611	41.0515	3.22	1.16	26.9	24	0.055	36	25.9	89	< 5	3
98SE013	-116.4554	41.043	4.99	1.2	20.7	25	0.052	31	22.1	93	5	4.8
98SE014	-116.4585	41.0398	8.15	1.26	20.3	26	0.055	36	28.9	84	5	3.79
98SE015	-116.4537	41.03	3.1	1.46	19.5	21	0.055	20	12.1	108	< 5	1.01
98SE016	-116.4521	41.0466	7.39	1.13	13.2	37	0.086	27	19.5	91	< 5	3.31
98SE017	-116.448	41.0532	11.4	1.25	8.9	43	0.121	21	12.6	110	7	7.47
98SE018	-116.4443	41.0139	3.78	1.09	19.1	16	0.073	34	20.7	74	< 5	3.34
98SE019	-116.4496	41.0138	3.62	1.56	18.3	18	0.054	26	15.4	99	< 5	1.09
98SE020	-116.4424	41.0155	3.72	1.59	24.8	15	0.053	31	18.9	102	< 5	1.13
98SE021	-116.4378	41.0116	3.73	1.53	23.5	19	0.058	32	21.1	92	< 5	2.06
98SE022	-116.4355	41.0122	3.37	1.33	19.3	17	0.059	23	11.5	139	< 5	1.06
98SE023	-116.4271	41.0053	4.27	1.32	21.2	21	0.056	26	15.2	107	5	3.43
98SE024	-116.4586	41.0127	4.49	1.24	13.3	23	0.054	21	12.7	81	< 5	1.53
98SE025	-116.458	41.008	6.48	1.41	17.7	22	0.051	25	12.2	128	< 5	1.22
98SE026	-116.4645	41.0094	4.85	1.44	12.1	22	0.054	20	12.2	96	< 5	1.24
98SE027	-116.4768	41.0118	5.31	1.42	11.2	22	0.057	20	10.9	96	< 5	1.24
98SE028	-116.4911	41.01	5.24	1.4	10.4	22	0.058	19	11.9	94	< 5	1.22
98SE029	-116.4848	41.0085	3.24	1.58	10.1	19	0.051	19	9.83	101	< 5	1
98SE030	-116.4952	41.0249	3.48	1.58	11.5	20	0.06	18	10.4	113	< 5	1.08
98SE031	-116.4985	41.0257	1.93	1.62	20	21	0.044	18	9.12	105	< 5	0.749
98SE032	-116.4983	41.019	3.23	1.96	10.5	15	0.046	19	9.34	99	< 5	0.79
98SE033	-116.4724	41.0266	5.09	1.53	10.2	22	0.064	20	11.3	96	< 5	1.32
98SE034	-116.4661	41.0256	5.14	1.59	11.2	18	0.036	25	11.4	88	< 5	1.37
98SE035	-116.4606	41.0178	7.59	1.44	10.7	23	0.053	20	11.5	88	< 5	1.35

Table 5—cont'd.

Sample no.	longitude	latitude	USML Mo ppm	Acme Na weight %	Acme Nb ppm	Acme Ni ppm	Acme P Weight %	Acme Pb ppm	USML Pb ppm	Acme Rb ppm	Acme Sb ppm	USML Sb ppm
98SE036	-116.4916	41.1166	7.08	1.59	15.7	21	0.044	23	11.7	99	< 5	1.27
98SE037	-116.4922	41.1107	5.7	1.5	14.9	17	0.044	22	12.2	98	< 5	1.31
98SE038	-116.4952	41.1106	3.08	1.62	18.3	17	0.049	23	11.7	113	< 5	0.873
98SE039	-116.4927	41.1064	7.55	1.36	17.4	22	0.048	28	16.9	104	< 5	1.65
98SE040	-116.4974	41.0819	N.d.	1.67	23.7	31	0.053	26	N.d.	128	< 5	N.d.
98SE041	-116.496	41.0885	6.34	1.66	24.3	18	0.057	25	13.4	109	< 5	1.31
98SE042	-116.4588	41.1242	5.38	1.33	16.5	18	0.04	23	10.8	133	< 5	0.695
98SE043	-116.4549	41.1225	1.92	1.36	24.7	14	0.05	23	12.9	116	< 5	0.542
98SE044	-116.462	41.1164	4.31	1.46	21.9	21	0.055	25	14.3	112	< 5	0.738
98SE045	-116.4628	41.1138	3.51	1.39	23.1	18	0.056	28	14.5	130	< 5	0.797
98SE046	-116.4679	41.1144	2.41	1.43	26.1	12	0.051	27	12.2	147	< 5	0.563
98SE047	-116.47	41.1182	5.3	1.36	18.4	17	0.047	26	14.3	112	< 5	0.91
98SE048	-116.4756	41.1189	4.59	1.57	11.6	19	0.053	18	9.88	101	< 5	1.1
98SE049	-116.4662	41.1076	2.3	1.34	31.9	16	0.056	25	13.9	136	< 5	0.529
98SE050	-116.4613	41.1078	4.97	1.12	16.7	26	0.067	21	12.6	95	< 5	0.924
98SE051	-116.4714	41.1052	2.78	1.38	23.2	16	0.053	24	11.8	141	< 5	0.57
98SE052	-116.4492	41.0895	9.79	0.87	10.1	47	0.122	18	11.2	76	< 5	2.32
98SE053	-116.4378	41.0912	9.39	1.26	11.3	36	0.087	19	11.5	91	< 5	2
98SE054	-116.4325	41.0937	7.2	1.19	14.7	25	0.061	20	11.7	84	< 5	1.2
98SE055	-116.4319	41.0902	5.29	1.52	14.3	25	0.085	22	13.1	105	< 5	1.47
98SE056	-116.4405	41.0846	3.74	1.6	10.2	22	0.065	41	9.37	109	< 5	1.16
98SE057	-116.4488	41.0852	5.56	1.27	11.3	25	0.072	18	10.8	95	< 5	1.81
98SE058	-116.4577	41.0852	1.97	1.34	28	14	0.062	26	13.7	131	< 5	0.628
98SE059	-116.4828	41.0912	2.3	1.5	32.1	15	0.047	27	10.5	146	< 5	0.436
98SE060	-116.4886	41.0893	2.38	1.38	23.6	10	0.034	25	8.2	156	< 5	0.438
98SE061	-116.4767	41.0816	4.15	1.52	12.4	21	0.084	21	11.6	125	< 5	1.33
98SE062	-116.4741	41.0846	5.85	1.59	15.7	19	0.066	22	10.7	114	< 5	1.22
98SE063	-116.4756	41.0902	2.48	1.59	21.6	14	0.054	25	9.84	143	< 5	0.698
98SE064	-116.4648	41.0932	1.9	1.48	22.7	13	0.052	25	9.8	147	< 5	0.588
98SE065	-116.4627	41.0887	3.52	1.66	18.3	19	0.065	23	10.9	128	< 5	0.898
98SE066	-116.4685	41.0877	4.82	1.64	12.6	20	0.067	22	10.3	121	< 5	1.1
98SE067	-116.475	41.0592	4.89	1.59	21.5	17	0.058	26	12.9	131	14	15.6
98SE068	-116.4761	41.0635	4.31	1.64	14.7	18	0.071	21	10.8	109	< 5	1.23
98SE069	-116.4758	41.0694	4.41	1.68	19.2	17	0.061	22	10.6	110	< 5	1.15
98SE070	-116.48	41.0722	3.91	1.49	10.8	19	0.052	19	10.3	103	< 5	1.1
98SE071	-116.4836	41.0755	6.17	1.77	19.8	18	0.048	24	11	112	< 5	1.08
98SE072	-116.4755	41.0753	3.59	1.75	29.5	15	0.048	24	9.9	107	< 5	0.857
98SE073	-116.4715	41.0757	5.08	1.64	12.7	18	0.061	22	11.3	103	< 5	1.03
98SE074	-116.4692	41.0703	6.22	1.75	25.3	17	0.061	27	13	122	< 5	1.2
98SE075	-116.4715	41.0648	4.23	1.84	28.5	18	0.052	25	11.7	117	< 5	0.916
98SE076	-116.392	41.1207	8.35	1.05	9.9	32	0.069	17	10.3	89	< 5	1.33
98SE077	-116.3981	41.1236	4.81	1.25	14.8	23	0.077	22	13.6	105	< 5	1.23
98SE078	-116.4029	41.1213	6.31	1.11	10.1	32	0.068	18	11.2	90	< 5	1.58
98SE079	-116.3994	41.1184	5.71	1.24	13.8	29	0.046	19	10.5	87	< 5	0.979
98SE080	-116.3976	41.1155	8.84	1.3	15.3	21	0.043	22	11.3	103	< 5	0.968
98SE082	-116.3805	41.1226	4.6	1	9	29	0.076	16	10.1	88	< 5	1.46
98SE083	-116.3783	41.1218	7.53	1.11	9.9	92	0.127	18	10.8	88	< 5	1.75
98SE084	-116.3787	41.1194	N.d.	0.93	9	37	0.076	17	N.d.	82	< 5	N.d.
98SE085	-116.3763	41.1151	14.4	0.68	7.2	33	0.057	15	8.19	55	< 5	1.44
98SE086	-116.3832	41.1158	7.07	1.14	9.8	22	0.065	19	10.3	87	< 5	1.63
98SE087	-116.3934	41.1116	4.17	0.96	11.2	23	0.048	17	10.2	73	< 5	0.992
98SE088	-116.3819	41.0995	8.15	0.96	9	30	0.061	18	11.3	75	< 5	1.87
98SE089	-116.391	41.0996	7.78	1.13	10.3	27	0.07	20	11.9	87	< 5	1.39
98SE090	-116.4015	41.0968	12.3	1.07	9.1	40	0.068	18	11.7	86	< 5	1.85
98SE091	-116.4024	41.1028	8.18	1.34	9.9	23	0.057	19	10.3	90	< 5	1.23
98SE092	-116.421	41.1051	5.42	1.26	10	26	0.065	18	9.98	90	< 5	1.25
98SE093	-116.4254	41.0959	N.d.	1.09	9.2	31	0.062	17	N.d.	85	< 5	N.d.
98SE094	-116.4321	41.097	N.d.	1.07	10.9	49	0.063	23	N.d.	71	< 5	N.d.
98SE095	-116.4276	41.0899	7.15	1.3	9	28	0.072	19	10.3	98	< 5	1.6
98SE096	-116.4143	41.0825	4.52	1.26	9.7	28	0.076	18	10.8	112	< 5	1.49
98SE097	-116.4216	41.0845	4.02	1.18	10.7	25	0.073	19	12	103	< 5	1.52
98SE098	-116.4165	41.0927	3.64	1.3	11.1	27	0.061	20	11.1	105	< 5	1.34
98SE099	-116.4347	41.0618	N.d.	1.24	9.4	28	0.077	19	N.d.	115	< 5	N.d.
98SE100	-116.4107	41.0398	7.73	1.36	11.8	31	0.053	23	13.8	102	< 5	1.82
98SE101	-116.4157	41.048	5.57	0.95	7.1	31	0.092	16	9.46	97	< 5	2.18
98SE102	-116.4144	41.0525	8.14	1.5	12.1	26	0.052	24	13.7	114	< 5	1.5
98SE103	-116.4325	41.0459	N.d.	1.18	9.7	49	0.083	19	N.d.	116	< 5	N.d.

Table 5—cont'd.

Sample no.	longitude	latitude	USML Mo ppm	Acme Na weight %	Acme Nb ppm	Acme Ni ppm	Acme P weight %	Acme Pb ppm	USML Pb ppm	Acme Rb ppm	Acme Sb ppm	USML Sb ppm
98SE104	-116.4326	41.05	7.67	1.17	9.4	40	0.08	19	11.5	106	< 5	2.64
98SE105	-116.4217	41.0469	5.42	1.2	8.5	33	0.075	17	9.05	99	< 5	2.09
98SE106	-116.4048	41.0416	10.7	0.57	8.9	31	0.047	14	10.1	62	< 5	1.86
98SE107	-116.3816	41.0928	N.d.	1.08	8.7	30	0.068	17	N.d.	97	< 5	N.d.
98SE108	-116.3868	41.09	N.d.	0.92	8.2	39	0.061	18	N.d.	95	< 5	N.d.
98SE109	-116.3813	41.0862	N.d.	0.6	5.8	18	0.041	11	N.d.	44	< 5	N.d.
98SE110	-116.3842	41.0795	10.3	1	9.3	28	0.053	18	11.7	86	< 5	1.45
98SE111	-116.3811	41.0783	10.8	1.04	8.8	40	0.098	20	10.6	108	< 5	1.56
98SE112	-116.3874	41.0765	13.5	0.32	6.2	49	0.084	12	6.81	63	< 5	1.41
98SE113	-116.3869	41.0715	11.4	1.35	9.9	28	0.062	20	11	115	< 5	1.39
98SE114	-116.3918	41.0698	N.d.	1.06	10	46	0.07	21	N.d.	127	< 5	N.d.
98SE116	-116.3877	41.0595	N.d..	1.27	10.5	34	0.07	18	N.d.	105	< 5	N.d.
98SE117	-116.38	41.0616	10	1.17	9.4	31	0.068	19	10.4	106	< 5	1.37
98SE118	-116.3757	41.0634	N.d.	1.2	9.8	32	0.074	19	N.d.	118	< 5	N.d.
98SE119	-116.3841	41.0575	6.57	1.43	9.5	25	0.064	18	10.4	117	< 5	1.21
98SE120	-116.3905	41.0526	3.97	1.43	13.1	19	0.058	22	11.8	129	< 5	1.23
98SE121	-116.3898	41.0558	9.99	1.15	11.5	30	0.064	20	10.7	116	< 5	1.5
98SE122	-116.4008	41.0126	7.73	1.64	11.4	24	0.052	20	11.1	107	< 5	1.62
98SE123	-116.395	41.0367	4.61	1.59	13.3	23	0.052	21	11.8	120	< 5	1.32
98SE124	-116.3909	41.04	4.17	1.6	15.3	22	0.046	19	9.91	121	< 5	0.904
98SE125	-116.3846	41.0408	N.d.	1.48	12.4	28	0.057	21	N.d.	129	< 5	N.d.
98SE126	-116.3932	41.0354	8.58	1.29	11	30	0.067	21	12.7	112	< 5	1.63
98SE127	-116.401	41.0342	9.42	0.62	7.8	41	0.076	12	7.45	84	< 5	1.58
98SE128	-116.4008	41.0386	N.d.	0.72	10.1	27	0.043	17	N.d.	71	< 5	N.d.
98SE129	-116.3953	41.0454	7.61	1.33	10.4	28	0.073	22	13.1	110	< 5	1.7
98SE130	-116.3905	41.049	9.93	1.27	10.3	29	0.081	22	12.4	108	< 5	1.92
98SE131	-116.3858	41.0521	10.1	1.31	10.5	35	0.084	22	11.6	111	< 5	2.06
98SE132	-116.3793	41.0551	9.98	1.08	9.5	33	0.092	21	12.8	115	< 5	2.01
98SE133	-116.3961	41.0495	10.6	0.43	7	50	0.092	12	7.46	68	< 5	1.42
98SE140	-116.2599	41.1135	11.8	0.58	7	70	0.113	18	12.1	100	< 5	3.11
98SE141	-116.2572	41.1073	11.1	0.26	5	58	0.136	10	7.64	82	< 5	2.85
98SE142	-116.2592	41.1102	14.8	0.26	7	105	0.343	15	10.5	98	< 5	5.69
98SE143	-116.2667	41.1144	39.6	N.d.	N.d.	N.d.	N.d.	N.d.	8.31	N.d.	N.d.	3.14
98SE144	-116.2729	41.1183	15.6	0.43	8	64	0.139	17	12.6	100	< 5	3.9
98SE145	-116.2688	41.1184	12.1	0.66	8	51	0.097	18	14	104	< 5	3.27
98SE146	-116.3164	41.1189	12.4	0.69	8	35	0.073	16	12.3	84	< 5	1.93
98SE147	-116.2863	41.1225	23.1	0.6	8	42	0.086	18	12.9	94	< 5	2.22
98SE148	-116.2854	41.1185	14.3	0.53	7	35	0.075	14	11.1	83	< 5	2
98SE149	-116.2964	41.1157	22.2	0.48	5	40	0.065	13	9.46	70	< 5	1.8
98SE150	-116.3046	41.1205	18.5	0.56	7	66	0.104	17	12.3	103	< 5	3.7
98SE151	-116.2777	41.1075	17.3	0.45	6	61	0.098	15	11.8	87	< 5	3.12
98SE152	-116.2876	41.1071	13.8	0.65	8	49	0.093	21	13.2	96	< 5	2.31
98SE153	-116.2848	41.0958	14.8	0.52	6	60	0.11	17	12	103	< 5	3.11
98SE154	-116.2845	41.0999	21.9	0.35	5	82	0.113	13	10.1	75	< 5	2.97
98SE155	-116.3053	41.0896	20	0.49	7	106	0.139	19	13.6	104	< 5	3.68
98SE156	-116.3058	41.0868	20.9	0.36	6	60	0.1	11	7.76	65	< 5	1.95
98SE157	-116.3033	41.0859	22.9	0.38	6	49	0.092	11	9.11	66	< 5	1.98
98SE158	-116.3018	41.0896	19.9	0.43	5	68	0.089	13	11.7	76	< 5	2.71
98SE159	-116.328	41.1134	17.9	0.48	6	35	0.061	14	8.77	64	< 5	1.45
98SE160	-116.3271	41.111	13.6	0.49	7	39	0.073	13	9.98	77	< 5	1.61
98SE161	-116.3335	41.1061	15	0.63	9	46	0.099	18	11.9	91	< 5	2.59
98SE162	-116.338	41.1029	12.2	0.77	8	37	0.084	15	12.7	87	< 5	2.04
98SE163	-116.3346	41.1097	12	0.78	9	51	0.093	17	12.5	85	< 5	2.59
98SE164	-116.3492	41.1156	13.9	0.54	6	34	0.063	16	12	77	< 5	2.04
98SE165	-116.3494	41.1194	8.53	0.93	9	44	0.113	18	12.6	102	< 5	2.82
98SE166	-116.3527	41.1203	6.93	1.14	10	27	0.088	19	14.1	109	< 5	2.52
98SE167	-116.3552	41.1168	11.3	0.81	8	28	0.061	17	11.4	81	< 5	1.54
98SE168	-116.3483	41.0929	7.9	1.05	9	33	0.081	18	13.1	99	< 5	2.33
98SE169	-116.3411	41.0925	16.8	0.56	7	42	0.081	23	18.1	73	< 5	2.71
98SE170	-116.3399	41.0955	11.7	0.66	8	62	0.099	14	11.7	85	< 5	2.22
98SE171	-116.34	41.0982	15.1	0.45	7	40	0.081	13	8.59	62	< 5	1.63
98SE172	-116.3451	41.0972	9.11	0.91	8	34	0.081	18	11.1	86	< 5	1.79
98SE173	-116.3594	41.1166	13.1	0.73	8	42	0.085	18	12.7	81	< 5	2.08
98SE174	-116.3621	41.115	9.22	0.91	10	25	0.063	19	12.5	82	< 5	1.47
98SE175	-116.3689	41.1162	11	0.8	6	36	0.071	16	11.7	81	< 5	1.84
98SE176	-116.3733	41.1133	8.02	1.17	9	25	0.064	24	14.9	96	< 5	1.85
98SE177	-116.3534	41.0827	21.4	0.42	5	44	0.084	11	8.8	60	< 5	1.34

Table 5—cont'd.

Sample no.	longitude	latitude	USML Mo ppm	Acme Na weight %	Acme Nb ppm	Acme Ni ppm	Acme P weight %	Acme Pb ppm	USML Pb ppm	Acme Rb ppm	Acme Sb ppm	USML Sb ppm
98SE178	-116.3525	41.0783	12.2	0.97	8	41	0.086	19	14.1	93	< 5	2.76
98SE179	-116.3629	41.0786	5	1.17	9	29	0.078	20	14.8	108	< 5	2.06
98SE180	-116.3663	41.0804	14.2	0.34	5	64	0.095	11	6.98	71	< 5	1.54
98SE181	-116.3743	41.0789	6.68	1.43	11	21	0.048	22	15.4	93	< 5	1.52
98SE182	-116.3746	41.083	10.2	1	7	37	0.074	17	12.7	95	< 5	1.72
98SE183	-116.372	41.0833	11.9	0.9	7	53	0.084	14	12	96	< 5	2
98SE184	-116.3626	41.0852	5.77	1.01	8	53	0.099	19	11.3	106	5	1.68
98SE185	-116.3672	41.0929	14.9	0.72	7	64	0.1	15	11.7	85	< 5	1.95
98SE186	-116.3239	41.047	11	0.49	4	118	0.247	12	9.13	93	< 5	2.43
98SE187	-116.3267	41.0486	7.91	0.79	7	45	0.107	17	12.3	92	< 5	2.4
98SE188	-116.3339	41.046	8.63	0.52	5	70	0.166	12	8.53	87	< 5	2.1
98SE189	-116.3366	41.0528	13.6	0.58	6	45	0.108	17	10.4	88	< 5	2.49
98SE190	-116.3376	41.0473	10.3	0.66	6	53	0.117	15	10.5	96	< 5	1.9
98SE191	-116.3419	41.0433	10.1	0.49	5	92	0.195	15	10.2	92	< 5	2.16
98SE192	-116.3478	41.0437	6.54	0.86	7	48	0.191	17	10.7	101	< 5	2.02
98SE193	-116.3472	41.0396	11.7	0.62	5	125	0.199	17	11.3	99	< 5	2.7
98SE194	-116.3477	41.0369	8.21	0.71	7	43	0.11	20	13.3	101	< 5	2.37
98SE195	-116.352	41.036	9.07	0.53	5	89	0.159	16	12.2	90	< 5	1.78
98SE196	-116.3597	41.0347	6.95	0.63	5	73	0.135	15	10	90	5	1.54
98SE197	-116.2999	41.068	11	0.51	7	61	0.139	14	10.7	111	< 5	1.64
98SE198	-116.3063	41.0676	13.7	0.36	5	67	0.099	10	7.68	81	< 5	1.24
98SE199	-116.3102	41.0631	12.5	0.28	4	53	0.149	11	8.92	87	< 5	1.88
98SE200	-116.3109	41.061	16.7	0.38	4	66	0.156	12	10.1	95	< 5	2.89
98SE201	-116.3189	41.0639	13.7	0.35	4	68	0.124	15	9.74	92	< 5	2.38
98SE202	-116.3237	41.0608	11.3	0.56	6	41	0.126	15	11.2	106	< 5	2.14
98SE203	-116.3304	41.0622	14.4	0.44	4	68	0.115	13	8.79	83	< 5	1.59
98SE204	-116.3486	41.0511	5.42	0.96	7	24	0.101	20	13.5	108	< 5	2.01
98SE205	-116.346	41.0511	10.6	0.81	7	32	0.083	17	12.9	107	< 5	2.12
98SE206	-116.3527	41.0464	9.83	0.77	7	28	0.094	21	17.8	105	< 5	2.21
98SE207	-116.3544	41.0373	7.1	0.91	6	89	0.142	17	14.5	99	< 5	2.97
98SE208	-116.3597	41.0366	8.65	1.18	7	39	0.099	19	13.2	111	< 5	1.57
98SE209	-116.3697	41.0294	7.97	0.78	6	98	0.152	18	12.5	97	< 5	2.56
98SE210	-116.3686	41.0338	7.8	1.32	9	28	0.074	23	15.7	105	< 5	2.01
98SE211	-116.3724	41.0456	5.63	1	8	43	0.103	22	14.2	111	< 5	2.26
98SE212	-116.3736	41.0367	7.53	1.67	10	25	0.073	27	17.4	106	< 5	1.23
98SE213	-116.3378	41.0692	12.8	0.32	4	75	0.105	12	8.84	78	< 5	1.65
98SE214	-116.3357	41.0756	11.3	0.96	8	29	0.093	17	11.9	105	< 5	2.19
98SE215	-116.3288	41.0771	18	N.d.	N.d.	N.d.	N.d.	N.d.	14.8	N.d.	N.d.	2.41
98SE216	-116.3262	41.0786	13.2	0.48	6	70	0.105	18	13.2	102	< 5	2.08
98SE217	-116.3246	41.0761	11.1	0.4	6	66	0.123	14	10.2	92	< 5	2.3
98SE218	-116.3225	41.0744	12.6	0.74	6	42	0.115	18	13.4	94	< 5	2.34
98SE219	-116.3187	41.0762	15.7	0.39	5	79	0.147	14	10.3	100	< 5	2.82
98SE220	-116.3149	41.0793	15.6	0.27	5	50	0.093	12	8.8	63	< 5	1.82
98SE221	-116.3124	41.0799	18.2	0.33	5	97	0.139	13	9.76	81	< 5	2.22
98SE222	-116.3414	41.0701	12.5	0.59	6	56	0.131	17	12.6	100	< 5	3.12
98SE223	-116.3449	41.0745	10.4	0.43	6	62	0.116	10	8.47	80	< 5	1.66
98SE224	-116.3494	41.0731	7.9	0.84	7	70	0.119	19	13.8	103	< 5	2.1
98SE225	-116.3701	41.0585	9.88	1.17	8	31	0.085	22	14.2	119	< 5	1.82
98SE226	-116.3698	41.0621	8.33	1.15	9	32	0.085	23	14.7	121	< 5	1.62
98SE227	-116.3722	41.0645	9.93	1.26	9	29	0.079	22	13.2	117	< 5	1.4
98SE228	-116.372	41.0137	8.37	1.22	8	30	0.067	19	13.5	101	< 5	1.59
98SE229	-116.3696	41.0127	9.11	1.25	8	30	0.059	19	13.4	104	< 5	1.62
98SE230	-116.3468	41.0144	4.56	1.14	8	32	0.143	19	12.1	125	< 5	2.76
98SE231	-116.3433	41.0122	8.68	1.27	8	43	0.085	20	13.4	120	< 5	1.92
98SE232	-116.34	41.0154	10.5	0.66	6	96	0.138	18	14.7	107	< 5	3.59
98SE233	-116.3387	41.0217	10.6	1.02	7	47	0.103	28	23.1	107	6	5.88
98SE234	-116.3346	41.022	9.03	0.51	6	47	0.104	16	11.9	98	< 5	3.07
98SE235	-116.326	41.0253	9.86	0.56	6	56	0.104	17	13.4	107	< 5	3.16
98SE236	-116.3265	41.028	12.2	0.57	5	60	0.128	18	12.6	105	< 5	3.59
98SE237	-116.3512	41.0116	11.8	0.44	5	63	0.123	17	11.7	101	< 5	3.25
98SE238	-116.3528	41.0149	8.68	1.25	8	30	0.065	21	12.5	105	< 5	2.36
98SE239	-116.356	41.0215	11.3	0.91	8	46	0.084	22	17.1	97	< 5	3.53
98SE240	-116.3598	41.0237	8.55	1.1	7	25	0.074	19	15.6	100	< 5	2.24
98SE241	-116.366	41.0166	8.05	1.18	8	32	0.076	23	14	104	< 5	2.26
98SE242	-116.3679	41.018	5.09	1.61	8	19	0.061	20	11.5	106	< 5	1.14
98SE243	-116.3414	41.0011	9.08	1.22	8	65	0.105	19	13.5	108	< 5	2.49

Table 5—cont'd.

Sample no.	longitude	latitude	USML Mo ppm	Acme Na weight %	Acme Nb ppm	Acme Ni ppm	Acme P weight %	Acme Pb ppm	USML Pb ppm	Acme Rb ppm	Acme Sb ppm	USML Sb ppm
98SE244	-116.2546	41.0325	17.3	0.35	6	114	0.151	16	15	131	6	5.72
98SE245	-116.2555	41.0427	15.7	0.32	5	72	0.152	11	12.2	105	< 5	4.12
98SE246	-116.2566	41.0483	17.9	0.13	3	53	0.093	9	7.71	69	< 5	1.68
98SE247	-116.258	41.0522	17.1	0.19	4	76	0.162	13	12.1	95	5	3.23
98SE248	-116.2616	41.0519	15.5	0.38	5	135	0.14	13	11.5	94	< 5	3.17
98SE249	-116.2641	41.0594	14.2	0.32	5	69	0.119	15	13.7	99	< 5	2.99
98SE250	-116.2661	41.0561	12.5	0.37	4	80	0.119	13	9.67	85	< 5	3.5
98SE251	-116.2675	41.0972	9.31	0.4	6	65	0.116	10	7.23	73	< 5	2.43
98SE252	-116.2646	41.1003	17	0.35	5	71	0.125	11	8.07	77	< 5	2.64
98SE253	-116.2649	41.1045	22.7	0.32	4	72	0.121	11	8.55	69	< 5	3.31
98SE254	-116.2736	41.0953	18.6	0.37	5	79	0.14	14	9.81	85	< 5	3.41
98SE255	-116.2721	41.0938	15.9	0.41	5	57	0.091	10	8.99	72	< 5	2.27
98TT39	-116.2651	41.0027	17.7	0.4	7	86	0.201	21	18.7	120	7	6.71
98TT40	-116.274	41.0041	17.1	0.25	5	78	0.152	14	13.7	101	6	5.17
98TT41	-116.2784	41.0089	12	0.51	6	55	0.237	19	15.9	86	5	5.62
98TT42	-116.2847	41.014	17	0.4	6	81	0.171	19	15.6	116	7	7.05
98TT43	-116.2901	41.0163	17.4	0.51	7	88	0.196	30	28	121	8	7.76
98TT44	-116.2942	41.0159	16.7	0.45	6	83	0.215	19	11.2	130	5	4.13
98TT45	-116.2925	41.0137	14.3	0.5	6	103	0.177	25	24	109	8	6.84
98TT46	-116.2546	41.0047	19.2	0.63	6	74	0.133	16	14.3	116	< 5	5.11
98TT47	-116.2514	41.0092	19.6	0.26	4	60	0.12	11	17.1	91	< 5	5.75
98TT48	-116.2544	41.0241	22.4	N.d.	N.d.	N.d.	N.d.	N.d.	12.4	N.d.	N.d.	4.45
98TT49	-116.2559	41.0228	24.5	0.22	5	86	0.193	15	13.9	117	8	6.1
98TT50	-116.2907	41.0466	22.2	N.d.	N.d.	N.d.	N.d.	N.d.	7.35	N.d.	N.d.	1.94
98TT51	-116.2958	41.0451	32.4	N.d.	N.d.	N.d.	N.d.	N.d.	10	N.d.	N.d.	3.11
98TT52	-116.2972	41.031	34.2	N.d.	N.d.	N.d.	N.d.	N.d.	7.53	N.d.	N.d.	2.99
98TT53	-116.3024	41.0298	26.7	N.d.	N.d.	N.d.	N.d.	N.d.	11.1	N.d.	N.d.	4.24
98TT54	-116.281	41.0332	11.4	0.62	7	60	0.113	19	16.6	129	< 5	3.26
98TT55	-116.281	41.0314	13.9	0.6	7	115	0.21	21	14.6	118	8	6.23
98TT56	-116.2733	41.0294	34.7	N.d.	N.d.	N.d.	N.d.	N.d.	10.2	N.d.	N.d.	4.77
98TT57	-116.2717	41.0278	20.3	0.4	5	220	0.215	17	13.7	103	10	9.22
98TT58	-116.2697	41.0351	13.3	0.33	5	122	0.132	13	13.9	87	< 5	4.27
98TT59	-116.2724	41.0344	15.8	0.33	4	198	0.176	14	11.5	98	< 5	4.68
98TT60	-116.2718	41.0766	25.6	N.d.	N.d.	N.d.	N.d.	N.d.	6.44	N.d.	N.d.	1.67
98TT61	-116.2665	41.0724	17	0.52	5	43	0.119	15	10.9	79	< 5	1.78
98TT62	-116.2651	41.0693	12.7	0.26	5	99	0.137	19	9.64	140	5	2.11
98TT63	-116.2694	41.0693	23.6	N.d.	N.d.	N.d.	N.d.	N.d.	6.22	N.d.	N.d.	1.48
98TT64	-116.2703	41.0675	16.4	0.46	4	46	0.105	12	7.44	68	< 5	1.33
98TT65	-116.3256	41.0015	25.3	0.57	5	102	0.167	19	16	111	7	11.2
98TT66	-116.3294	41.0024	9.14	0.99	7	75	0.157	17	11.5	104	< 5	2.74
98TT67	-116.3229	41.016	11.3	0.7	6	223	0.25	15	12.2	108	6	3.87
98TT68	-116.3227	41.0175	11.8	0.59	6	75	0.131	16	11.4	110	< 5	2.82
98TT69	-116.3177	41.0202	18.3	N.d.	N.d.	N.d.	N.d.	N.d.	11.1	N.d.	N.d.	3.29

Table 6—Analytical data for Sc, Se, Sn, Sr, Te, Th, Ti, Tl, U, and V for stream-sediment samples from the Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles, Nev.

[Analytical procedures, see text; elements analyzed by Acme laboratories, total digestion; elements analyzed by USML laboratories, partial digestion. N.d., not determined; ppm, parts per million; reported 0 ppm Se and Te contents, not found by instrument]

Sample no.	longitude	latitude	Acme Sc ppm	USML Se ppm	Acme Sn ppm	Acme Sr ppm	USML Te ppm	Acme Th ppm	Acme Ti weight %	USML Tl ppm	Acme U ppm	Acme V ppm
98VB053	-116.4955	41.0478	7	0	3	262	0.121	18	0.93	0.46	< 10	137
98VB054	-116.4953	41.0394	6	0	3	255	0.123	15	0.56	0.294	< 10	95
98VB055	-116.4931	41.0332	6	0.299	< 2	316	0.121	14	0.55	0.449	< 10	100
98VB056	-116.4981	41.0365	6	0	2	328	0.108	16	0.84	0.341	< 10	136
98VB057	-116.4924	41.0463	9	2.48	2	216	1.11	21	1.36	1.09	< 10	171
98VB058	-116.492	41.0413	6	0.227	3	227	0.153	17	0.51	0.498	< 10	75
98VB059	-116.4869	41.0364	7	0.013	2	317	0.167	15	0.91	0.526	< 10	127
98VB060	-116.4856	41.0321	6	0	2	340	0.051	13	0.44	0.361	< 10	89
98VB061	-116.4808	41.0358	6	0	3	309	0.102	16	0.46	0.393	< 10	74
98VB062	-116.4814	41.0413	5	0.092	4	264	0.106	18	0.66	0.516	< 10	82
98VB063	-116.4804	41.042	5	0.341	4	363	0.137	14	0.83	0.475	< 10	122
98VB064	-116.4841	41.0465	5	0.1	4	372	0.165	15	0.66	0.485	< 10	89
98VB065	-116.4876	41.0496	6	0.008	3	356	0.07	15	0.57	0.434	< 10	76
98VB066	-116.4933	41.0543	5	0.007	4	143	0.125	19	0.29	0.279	< 10	25
98VB067	-116.4944	41.0602	5	0	3	264	0.116	12	0.54	0.356	< 10	61
98VB068	-116.484	41.0603	5	0	3	251	0.091	12	0.53	0.416	< 10	65
98VB069	-116.479	41.0568	6	0	5	230	0.016	19	0.45	0.993	< 10	47
98VB070	-116.4736	41.055	5	0	4	441	0.077	16	0.31	0.426	< 10	36
98VB071	-116.4729	41.0491	5	0	4	308	0.127	13	0.59	0.486	< 10	94
98VB072	-116.4617	41.0403	5	0	4	255	0.074	15	0.56	0.422	< 10	93
98VB073	-116.463	41.045	5	0	5	245	0.045	13	0.53	0.354	< 10	103
98VB074	-116.4654	41.0583	6	0	4	227	0.092	14	0.81	0.373	< 10	127
98VB075	-116.3825	41.0243	6	0	2	321	0.007	11	0.38	0.327	< 10	91
98VB076	-116.3847	41.0161	6	0.149	3	298	0.116	11	0.38	0.337	< 10	109
98VB077	-116.3812	41.0123	7	0.689	3	177	0.198	8	0.31	0.506	< 10	179
98VB078	-116.3881	41.0099	6	0.516	4	182	0.151	8	0.29	0.46	< 10	162
98VB079	-116.3952	41.0061	6	0.87	3	184	0.157	8	0.3	0.575	< 10	161
98VB080	-116.4626	41.0558	6	0.095	5	256	0.114	13	0.57	0.37	< 10	113
98VB081	-116.4579	41.0493	7	0.209	5	205	0.099	13	0.78	0.304	< 10	179
98VB082	-116.4521	41.0354	6	0.184	3	286	0.126	15	0.82	0.295	< 10	119
98VB083	-116.4504	41.0396	6	0.158	2	226	0.149	11	0.48	0.352	< 10	143
98VB084	-116.4473	41.0431	5	0.225	2	311	0.056	11	0.38	0.274	< 10	101
98VB085	-116.4583	41.0594	5	0	4	214	0.082	16	0.54	0.714	< 10	88
98VB086	-116.4544	41.0625	6	0.229	< 2	246	0.101	11	0.56	0.715	< 10	136
98VB087	-116.441	41.062	6	0.14	3	297	0.1	9	0.33	0.406	< 10	127
98VB088	-116.446	41.0582	7	0.427	2	258	0.157	10	0.34	0.66	< 10	132
98VB089	-116.4392	41.0554	7	0.971	2	306	0.136	10	0.33	0.518	< 10	156
98VB090	-116.4523	41.0549	7	0	< 2	181	0	11	0.45	0.42	< 10	145
98VB091	-116.4494	41.052	7	0.472	2	228	0.082	11	0.36	0.548	< 10	185
98VB092	-116.4431	41.0491	7	0.279	2	233	0.102	10	0.34	0.435	< 10	143
98VB093	-116.4384	41.0437	6	0	2	238	0.006	9	0.29	0.521	< 10	102
98VB094	-116.429	41.009	4	0	2	303	0	13	0.37	0.516	< 10	74
98VB095	-116.4319	41.0133	4	0	4	307	0.022	13	0.54	0.465	< 10	93
98VB096	-116.4356	41.0173	5	0	3	288	0	14	0.7	0.59	< 10	96
98VB097	-116.4425	41.0211	6	0	4	259	0.071	15	0.87	0.426	< 10	111
98VB098	-116.4488	41.0244	6	0	3	265	0.049	10	0.36	0.451	< 10	85
98VB099	-116.4584	41.0037	6	0	3	297	0.049	14	0.68	0.437	< 10	114
98VB100	-116.4576	41.0004	6	0	3	283	0.072	13	0.5	0.451	< 10	92
98VB101	-116.4626	41.0045	5	0	3	295	0.006	13	0.39	0.401	< 10	72
98VB102	-116.4686	41.0068	6	0	3	267	0.02	9	0.3	0.579	< 10	68
98VB103	-116.4826	41.0043	6	0	2	292	0	11	0.34	0.699	< 10	71
98VB104	-116.4769	41.0016	6	0	2	286	0	12	0.35	0.667	< 10	76
98VB105	-116.4961	41.014	6	0	4	319	0	10	0.54	0.36	< 10	108
98VB106	-116.489	41.0194	6	0	2	310	0	10	0.45	0.411	< 10	101
98VB107	-116.485	41.0155	6	0	< 2	290	0.05	10	0.39	0.492	< 10	86
98VB108	-116.4799	41.018	5	0	3	285	0	10	0.36	0.418	< 10	76
98VB109	-116.4812	41.0232	5	0	2	320	0	10	0.4	0.501	< 10	89
98VB110	-116.4746	41.0218	6	0	3	304	0	11	0.37	0.502	< 10	76
98VB111	-116.4676	41.0194	5	0	2	315	0	11	0.4	0.61	< 10	84
98VB112	-116.4966	41.1206	5	0	3	291	0.014	12	0.39	0.535	< 10	75
98VB113	-116.4945	41.123	5	0	2	279	0.037	13	0.38	0.576	< 10	66
98VB114	-116.4983	41.1057	7	0	4	269	0.023	14	0.54	0.538	< 10	78
98VB115	-116.4933	41.1016	5	0	4	277	0.004	12	0.4	0.564	< 10	71
98VB116	-116.4937	41.0978	5	0	3	292	0.047	13	0.46	0.422	< 10	71

Table 6—cont'd.

Sample no.	longitude	latitude	Acme Sc ppm	USML Se ppm	Acme Sn ppm	Acme Sr ppm	USML Te ppm	Acme Th ppm	Acme Ti weight %	USML Tl ppm	Acme U ppm	Acme V ppm
98VB117	-116.4971	41.0989	6	0	4	287	0.052	13	0.48	0.544	< 10	74
98VB118	-116.4966	41.0929	6	0	3	280	0.015	13	0.58	0.605	< 10	65
98VB119	-116.4537	41.109	5	0	5	216	0.019	12	0.36	0.576	< 10	82
98VB120	-116.4477	41.115	5	0.082	7	202	0.082	11	0.43	0.623	< 10	108
98VB121	-116.4472	41.1188	4	0	6	236	0	17	0.42	0.665	< 10	49
98VB122	-116.4405	41.1189	5	0.1	28	210	0	11	0.42	0.578	< 10	137
98VB123	-116.4364	41.1211	7	N.d.	4	194	N.d.	13	0.5	N.d.	< 10	135
98VB124	-116.4356	41.1191	6	0	5	189	0.076	11	0.53	0.603	< 10	108
98VB125	-116.4332	41.1166	5	0	4	165	0.041	10	0.37	0.662	< 10	58
98VB126	-116.4624	41.1029	6	0	2	233	0.018	12	0.41	0.723	< 10	81
98VB127	-116.4517	41.1035	5	0	3	269	0	11	0.36	0.601	< 10	80
98VB128	-116.4419	41.1026	6	0	2	273	0.018	10	0.33	0.415	< 10	83
98VB129	-116.4452	41.0997	6	0	2	290	0.029	11	0.35	0.561	< 10	84
98VB130	-116.4508	41.0956	7	0	5	184	0.066	19	0.88	0.814	< 10	97
98VB131	-116.4518	41.0915	8	0	5	196	0.056	28	1.34	0.557	< 10	136
98VB132	-116.4575	41.0881	6	0	5	184	0.05	13	0.47	0.719	< 10	101
98VB133	-116.4782	41.094	6	0	4	213	0.017	16	0.54	0.437	< 10	67
98VB134	-116.4828	41.0947	6	0.274	5	209	0.151	15	0.37	0.544	< 10	54
98VB135	-116.4882	41.0967	6	0	2	280	0.041	12	0.39	0.411	< 10	66
98VB136	-116.4803	41.0986	5	0.013	3	266	0.085	13	0.4	0.494	< 10	63
98VB137	-116.48	41.1052	5	0.311	2	287	0.125	13	0.44	0.31	< 10	77
98VB138	-116.4711	41.0952	7	0.173	4	228	0.113	18	0.9	0.282	< 10	108
98VB139	-116.473	41.1015	6	0	2	271	0.06	17	0.61	0.398	< 10	79
98VB140	-116.4675	41.0987	6	0.131	4	240	0.088	15	0.48	0.444	< 10	66
98VB141	-116.4988	41.0662	5	0.076	7	250	0.075	13	0.4	0.297	< 10	62
98VB142	-116.493	41.0727	6	0.062	4	273	0.068	14	0.49	0.532	< 10	71
98VB143	-116.4893	41.0668	5	N.d.	8	254	N.d.	12	0.38	N.d.	< 10	71
98VB144	-116.4893	41.0634	6	0	3	265	0.116	14	0.7	0.339	< 10	78
98VB145	-116.4739	41.061	6	0	5	297	0.073	12	0.39	0.429	< 10	70
98VB146	-116.4507	41.0691	7	0.025	2	250	0.141	11	0.41	0.483	< 10	116
98VB147	-116.4565	41.071	6	0	2	252	0.151	14	0.39	0.627	< 10	69
98VB148	-116.4526	41.0792	8	0.212	3	247	0.116	12	0.51	0.56	< 10	136
98VB149	-116.4457	41.0763	8	0.271	4	248	0.08	10	0.42	0.503	< 10	136
98VB150	-116.4409	41.0717	8	0.129	< 2	281	0.104	11	0.49	0.625	< 10	207
98VB151	-116.4394	41.0669	8	0.513	2	275	0.134	11	0.47	0.687	< 10	209
98VB152	-116.4411	41.0773	6	0.451	< 2	333	0.014	11	0.44	0.378	< 10	109
98VB153	-116.4356	41.0782	7	0.408	< 2	277	0.073	11	0.37	0.676	< 10	127
98VB154	-116.4196	41.1123	5	0	4	195	0.091	16	0.36	0.698	< 10	41
98VB155	-116.424	41.1154	7	0	6	239	0.061	23	0.51	0.416	< 10	65
98VB156	-116.4213	41.1189	6	0.279	3	216	0.05	11	0.38	0.441	< 10	90
98VB157	-116.417	41.1192	5	0.2	3	250	0.081	16	0.38	0.242	< 10	61
98VB158	-116.4127	41.1144	5	0.002	7	232	0.091	17	0.45	0.383	< 10	69
98VB159	-116.4177	41.124	6	0	2	287	0.121	12	0.43	0.411	< 10	90
98VB160	-116.4099	41.122	6	0	3	243	0.138	10	0.34	0.602	< 10	99
98VB161	-116.4057	41.1186	7	0.159	2	251	0.027	12	0.46	0.456	< 10	100
98VB162	-116.4078	41.119	7	0.249	4	253	0.075	16	0.6	0.371	< 10	90
98VB163	-116.4054	41.1139	7	0.054	4	250	0.123	16	0.65	0.39	< 10	93
98VB164	-116.3992	41.1095	6	0.209	3	239	0.11	15	0.41	0.5	< 10	70
98VB165	-116.3905	41.1074	6	0.225	4	211	0.106	10	0.34	0.567	< 10	100
98VB166	-116.3952	41.1032	5	0	< 2	200	0.097	8	0.31	0.393	< 10	93
98VB167	-116.3886	41.1044	4	0.614	2	178	0.129	7	0.27	0.472	< 10	85
98VB168	-116.381	41.1051	4	0	2	148	0.07	7	0.26	0.42	< 10	76
98VB169	-116.4109	41.1041	5	N.d.	3	231	N.d.	9	0.32	N.d.	< 10	89
98VB170	-116.4046	41.1053	5	0	2	219	0.026	8	0.32	0.555	< 10	86
98VB171	-116.4243	41.1007	5	0.128	< 2	267	0.139	11	0.38	0.409	< 10	83
98VB172	-116.4115	41.0887	5	0.329	< 2	218	0.123	9	0.32	0.435	< 10	130
98VB173	-116.4024	41.0882	6	0.155	2	255	0.109	11	0.36	0.387	< 10	113
98VB174	-116.4025	41.0914	6	0.363	2	237	0.125	11	0.33	0.383	< 10	92
98VB175	-116.4096	41.0922	6	0.584	< 2	227	0.14	9	0.3	0.513	< 10	110
98VB176	-116.4168	41.0947	7	0.05	< 2	262	0.12	11	0.36	0.396	< 10	102
98VB177	-116.4305	41.0634	6	0	2	316	0.119	13	0.41	0.515	< 10	85
98VB178	-116.4289	41.0674	7	0	2	273	0.136	13	0.43	0.411	< 10	92
98VB179	-116.4258	41.0643	6	0.094	2	300	0.101	13	0.41	0.348	< 10	70
98VB180	-116.407	41.0359	5	0.257	< 2	311	0.172	10	0.36	0.169	< 10	98
98VB181	-116.4109	41.0472	6	0.407	< 2	275	0.102	12	0.34	0.323	< 10	105
98VB182	-116.4094	41.0533	6	0.487	< 2	305	0.109	11	0.37	0.338	< 10	90
98VB183	-116.4321	41.0568	7	0.5	< 2	261	0.094	12	0.4	0.646	< 10	112

Table 6—cont'd.

Sample no.	longitude	latitude	Acme Sc ppm	USML Se ppm	Acme Sn ppm	Acme Sr ppm	USML Te ppm	Acme Th ppm	Acme Ti weight %	USML Tl ppm	Acme U ppm	Acme V ppm
98VB184	-116.4275	41.0601	7	0.303	3	287	0.133	13	0.4	0.666	< 10	96
98VB185	-116.4224	41.0566	7	0.245	< 2	321	0.125	8	0.36	0.536	< 10	121
98VB186	-116.4207	41.0424	5	1.04	< 2	250	0.1	9	0.28	0.474	< 10	155
98VB187	-116.4088	41.0602	6	0.095	< 2	280	0.101	11	0.38	0.58	< 10	95
98VB188	-116.4073	41.0636	6	0.033	< 2	273	0.121	11	0.37	0.475	< 10	99
98VB189	-116.406	41.0696	6	0.391	< 2	241	0.172	11	0.35	0.414	< 10	109
98VB190	-116.4082	41.0733	7	0.311	2	259	0.099	11	0.37	0.455	< 10	100
98VB191	-116.4024	41.0745	7	0.289	2	245	0.169	9	0.35	0.39	< 10	105
98VB192	-116.4052	41.0772	7	0.383	< 2	242	0.17	10	0.35	0.372	< 10	126
98VB193	-116.4013	41.0815	6	0.105	< 2	240	0.157	9	0.32	0.344	< 10	105
98VB194	-116.3987	41.0765	7	0.159	2	242	0.136	10	0.34	0.465	< 10	105
98VB195	-116.3992	41.0719	6	0.053	< 2	203	0.087	10	0.36	0.475	< 10	114
98VB196	-116.3941	41.0572	6	0.052	2	287	0.09	11	0.38	0.42	< 10	91
98VB197	-116.3899	41.0606	6	0.431	2	274	0.079	11	0.37	0.293	< 10	93
98VB198	-116.3855	41.0633	6	0.246	2	259	0.071	10	0.36	0.473	< 10	100
98VB199	-116.3784	41.0652	7	0.312	< 2	250	0.084	10	0.35	0.433	< 10	103
98VB200	-116.3828	41.0662	6	0	< 2	250	0.149	10	0.33	0.428	< 10	95
98VB201	-116.3922	41.0645	6	N.d.	2	245	N.d.	10	0.34	N.d.	< 10	100
98VB202	-116.3987	41.0188	6	0.383	< 2	305	0.133	11	0.38	0.403	< 10	104
98VB203	-116.3851	41.0377	6	0.312	2	231	0.095	10	0.34	0.628	< 10	125
98VB204	-116.3795	41.0394	6	0.702	< 2	221	0.151	10	0.33	0.45	< 10	127
98VB205	-116.3758	41.0422	7	0.624	< 2	218	0.174	10	0.33	0.525	< 10	133
98VB206	-116.3808	41.035	6	0	< 2	328	0.103	10	0.37	0.514	< 10	87
98VB207	-116.3892	41.034	6	0.25	< 2	309	0.151	11	0.4	0.507	< 10	94
98VB208	-116.3915	41.0304	6	0.073	< 2	299	0.11	13	0.41	0.513	< 10	96
98VB209	-116.3968	41.0316	6	0.175	< 2	333	0.11	12	0.45	0.463	< 10	97
98VB210	-116.3942	41.0441	6	0.147	< 2	275	0.06	11	0.37	0.381	< 10	107
98VB211	-116.3893	41.0463	6	0.683	< 2	279	0.162	10	0.35	0.293	< 10	102
98VB212	-116.3838	41.0471	6	N.d.	< 2	247	N.d.	10	0.34	N.d.	< 10	123
98VB213	-116.3777	41.0477	6	0.335	< 2	270	0.133	10	0.34	0.356	< 10	88
98VB214	-116.3973	41.0418	6	0.191	2	298	0.133	11	0.4	0.427	< 10	113
98SE001	-116.4694	41.0494	6	0	2	330	0.133	16	0.69	0.56	< 10	97
98SE002	-116.4761	41.036	6	0	2	248	0.103	20	0.39	0.428	< 10	63
98SE003	-116.4734	41.0408	5	0.084	2	429	0.093	13	0.5	0.336	< 10	84
98SE004	-116.4641	41.0368	6	0.003	< 2	315	0.052	12	0.38	0.603	< 10	75
98SE005	-116.4619	41.0366	5	0	2	349	0.129	15	0.56	0.511	< 10	84
98SE006	-116.4665	41.0528	6	0.027	2	279	0.151	13	0.76	0.454	< 10	122
98SE007	-116.3882	41.0161	7	0.552	< 2	291	0.121	11	0.38	0.541	< 10	144
98SE008	-116.3799	41.0145	6	0.907	< 2	196	0.159	8	0.3	0.5	< 10	163
98SE009	-116.3895	41.0105	6	0.251	< 2	313	0.115	11	0.38	0.398	< 10	116
98SE010	-116.3931	41.0112	6	0.255	< 2	283	0.096	11	0.36	0.552	< 10	123
98SE011	-116.3905	41.0067	7	0.574	2	231	0.164	11	0.37	0.519	< 10	160
98SE012	-116.4611	41.0515	6	0	2	245	0.095	14	0.88	0.367	< 10	146
98SE013	-116.4554	41.043	6	0.116	2	244	0.119	13	0.59	0.383	< 10	126
98SE014	-116.4585	41.0398	5	0.509	2	257	0.153	13	0.52	0.514	< 10	107
98SE015	-116.4537	41.03	7	0.144	< 2	297	0.099	12	0.69	0.459	< 10	120
98SE016	-116.4521	41.0466	6	0.271	< 2	254	0.162	13	0.42	0.447	< 10	133
98SE017	-116.448	41.0532	7	1.51	2	314	0.165	10	0.34	0.583	< 10	228
98SE018	-116.4443	41.0139	6	0	2	312	0.074	13	0.53	0.417	< 10	80
98SE019	-116.4496	41.0138	6	0.056	< 2	299	0.102	14	0.53	0.48	< 10	88
98SE020	-116.4424	41.0155	5	0	2	312	0.09	17	0.6	0.642	< 10	88
98SE021	-116.4378	41.0116	6	0.01	< 2	325	0.07	15	0.7	0.441	< 10	101
98SE022	-116.4355	41.0122	6	0	2	246	0.104	18	0.4	0.545	< 10	70
98SE023	-116.4271	41.0053	6	0.087	3	285	0.117	16	0.5	0.399	< 10	115
98SE024	-116.4586	41.0127	6	0.22	< 2	256	0.109	10	0.5	0.273	< 10	114
98SE025	-116.458	41.008	5	0.042	3	262	0.081	16	0.35	0.451	< 10	71
98SE026	-116.4645	41.0094	6	0.148	< 2	279	0.032	12	0.47	0.513	< 10	105
98SE027	-116.4768	41.0118	6	0.149	< 2	282	0.071	10	0.43	0.504	< 10	99
98SE028	-116.4911	41.01	6	0.0009	< 2	275	0.151	11	0.38	0.51	< 10	87
98SE029	-116.4848	41.0085	6	0.022	2	296	0.117	10	0.38	0.509	< 10	80
98SE030	-116.4952	41.0249	7	0	2	302	0.152	12	0.4	0.56	< 10	83
98SE031	-116.4985	41.0257	7	0.181	3	336	0.155	13	0.7	0.404	< 10	148
98SE032	-116.4983	41.019	5	0.164	2	333	0.127	11	0.38	0.58	< 10	71
98SE033	-116.4724	41.0266	6	0	2	277	0.128	10	0.38	0.524	< 10	82
98SE034	-116.4661	41.0256	5	0.25	< 2	315	0.159	12	0.41	0.233	< 10	85
98SE035	-116.4606	41.0178	5	0	2	265	0.12	10	0.4	0.391	< 10	97
98SE036	-116.4916	41.1166	5	0.076	2	279	0.048	14	0.46	0.268	< 10	84

Table 6—cont'd.

Sample no.	longitude	latitude	Acme Sc ppm	USML Se ppm	Acme Sn ppm	Acme Sr ppm	USML Te ppm	Acme Th ppm	Acme Ti weight %	USML Tl ppm	Acme U ppm	Acme V ppm
98SE037	-116.4922	41.1107	5	0.381	3	258	0.098	12	0.43	0.333	< 10	79
98SE038	-116.4952	41.1106	6	0.162	2	282	0.066	16	0.62	0.221	< 10	93
98SE039	-116.4927	41.1064	5	0.284	2	244	0.197	13	0.49	0.311	< 10	88
98SE040	-116.4974	41.0819	6	N.d.	4	252	N.d.	14	0.43	N.d.	< 10	67
98SE041	-116.496	41.0885	6	0.151	2	275	0.05	12	0.48	0.427	< 10	69
98SE042	-116.4588	41.1242	5	0	3	248	0.071	15	0.32	0.565	< 10	61
98SE043	-116.4549	41.1225	7	0.362	2	239	0.085	16	0.84	0.514	< 10	105
98SE044	-116.462	41.1164	6	0.088	3	279	0.119	15	0.61	0.332	< 10	93
98SE045	-116.4628	41.1138	6	0.028	3	229	0.127	17	0.6	0.367	< 10	96
98SE046	-116.4679	41.1144	6	0.216	4	216	0.195	19	0.69	0.338	< 10	76
98SE047	-116.47	41.1182	5	0.087	3	239	0.115	14	0.46	0.469	< 10	71
98SE048	-116.4756	41.1189	6	0.27	2	306	0.124	11	0.41	0.419	< 10	90
98SE049	-116.4662	41.1076	7	0.322	3	215	0.11	22	1.01	0.46	< 10	117
98SE050	-116.4613	41.1078	6	0	3	224	0.151	13	0.36	0.506	< 10	75
98SE051	-116.4714	41.1052	7	0.1	3	225	0.086	18	0.67	0.391	< 10	83
98SE052	-116.4492	41.0895	5	0.708	< 2	183	0.149	9	0.35	0.742	< 10	163
98SE053	-116.4378	41.0912	6	0.447	2	259	0.077	10	0.39	0.571	< 10	132
98SE054	-116.4325	41.0937	6	0	3	254	0.056	11	0.35	0.493	< 10	87
98SE055	-116.4319	41.0902	6	0.297	3	281	0.104	12	0.49	0.342	< 10	100
98SE056	-116.4405	41.0846	7	0	2	311	0.089	10	0.39	0.463	< 10	86
98SE057	-116.4488	41.0852	6	0.433	2	255	0.185	11	0.38	0.322	< 10	123
98SE058	-116.4577	41.0852	7	0.167	3	219	0.123	16	0.96	0.444	< 10	127
98SE059	-116.4828	41.0912	7	0	2	209	0.094	17	0.86	0.283	< 10	98
98SE060	-116.4886	41.0893	6	0.044	< 2	194	0.115	15	0.5	0.28	< 10	57
98SE061	-116.4767	41.0816	7	0.448	< 2	277	0.166	12	0.38	0.368	< 10	79
98SE062	-116.4741	41.0846	6	0.261	< 2	274	0.165	13	0.4	0.478	< 10	73
98SE063	-116.4756	41.0902	6	0	2	230	0.147	16	0.52	0.185	< 10	73
98SE064	-116.4648	41.0932	6	0.307	< 2	228	0.145	16	0.51	0.308	< 10	67
98SE065	-116.4627	41.0887	6	0.436	< 2	295	0.072	15	0.45	0.378	< 10	78
98SE066	-116.4685	41.0877	7	0	< 2	301	0.115	13	0.38	0.482	< 10	77
98SE067	-116.475	41.0592	5	0.173	< 2	260	0.092	13	0.42	0.337	< 10	67
98SE068	-116.4761	41.0635	6	0.09	< 2	303	0.107	12	0.42	0.451	< 10	77
98SE069	-116.4758	41.0694	6	0.026	< 2	302	0.097	13	0.45	0.435	< 10	74
98SE070	-116.48	41.0722	6	0.291	< 2	300	0.109	10	0.37	0.452	< 10	75
98SE071	-116.4836	41.0755	5	0.284	< 2	299	0.113	13	0.43	0.414	< 10	68
98SE072	-116.4755	41.0753	5	0.079	< 2	295	0.182	14	0.61	0.274	< 10	79
98SE073	-116.4715	41.0757	6	0.093	< 2	309	0.089	10	0.38	0.477	< 10	70
98SE074	-116.4692	41.0703	6	0	< 2	297	0.063	13	0.51	0.47	< 10	72
98SE075	-116.4715	41.0648	6	0.321	< 2	298	0.148	13	0.58	0.398	< 10	74
98SE076	-116.392	41.1207	6	0.775	< 2	218	0.109	10	0.34	0.539	< 10	118
98SE077	-116.3981	41.1236	7	0.319	2	229	0.097	12	0.43	0.676	< 10	88
98SE078	-116.4029	41.1213	6	0.288	< 2	227	0.121	10	0.35	0.487	< 10	117
98SE079	-116.3994	41.1184	6	0.444	< 2	242	0.11	10	0.54	0.288	< 10	119
98SE080	-116.3976	41.1155	5	0	2	224	0.033	13	0.37	0.528	< 10	72
98SE082	-116.3805	41.1226	7	0.703	< 2	232	0.069	10	0.32	0.55	< 10	110
98SE083	-116.3783	41.1218	6	0.848	< 2	239	0.203	10	0.35	0.574	< 10	166
98SE084	-116.3787	41.1194	6	N.d.	< 2	194	N.d.	9	0.31	N.d.	< 10	120
98SE085	-116.3763	41.1151	4	0.589	< 2	143	0.152	7	0.24	0.344	< 10	110
98SE086	-116.3832	41.1158	6	0.277	< 2	228	0.112	9	0.35	0.442	< 10	92
98SE087	-116.3934	41.1116	8	0.136	3	293	0.056	8	0.45	0.333	< 10	95
98SE088	-116.3819	41.0995	6	0.327	< 2	211	0.097	9	0.34	0.412	< 10	108
98SE089	-116.391	41.0996	6	0	< 2	225	0.088	10	0.39	0.296	< 10	102
98SE090	-116.4015	41.0968	6	0.6	< 2	221	0.154	9	0.34	0.494	< 10	125
98SE091	-116.4024	41.1028	5	0.188	< 2	276	0.11	10	0.35	0.268	< 10	93
98SE092	-116.421	41.1051	6	0	< 2	268	0.04	9	0.36	0.267	< 10	91
98SE093	-116.4254	41.0959	6	N.d.	< 2	244	N.d.	8	0.32	N.d.	< 10	101
98SE094	-116.4321	41.097	5	N.d.	2	218	N.d.	9	0.41	N.d.	< 10	126
98SE095	-116.4276	41.0899	6	0.354	2	262	0.122	11	0.35	0.519	< 10	116
98SE096	-116.4143	41.0825	7	0.277	3	256	0.166	11	0.37	0.441	< 10	104
98SE097	-116.4216	41.0845	8	0.309	2	264	0.112	12	0.39	0.584	< 10	101
98SE098	-116.4165	41.0927	6	0	2	262	0.069	13	0.4	0.338	< 10	110
98SE099	-116.4347	41.0618	7	N.d.	2	254	N.d.	11	0.35	N.d.	< 10	104
98SE100	-116.4107	41.0398	6	0	3	282	0.182	10	0.4	0.57	< 10	109
98SE101	-116.4157	41.048	7	0.705	< 2	238	0.07	9	0.28	0.429	< 10	145
98SE102	-116.4144	41.0525	6	0.527	< 2	290	0.156	12	0.41	0.478	< 10	99
98SE103	-116.4325	41.0459	7	N.d.	2	270	N.d.	11	0.37	N.d.	< 10	145
98SE104	-116.4326	41.05	7	0.79	2	263	0.177	10	0.38	0.508	< 10	124

Table 6—cont'd.

Sample no.	longitude	latitude	Acme Sc ppm	USML Se ppm	Acme Sn ppm	Acme Sr ppm	USML Te ppm	Acme Th ppm	Acme Ti weight %	USML Tl ppm	Acme U ppm	Acme V ppm
98SE105	-116.4217	41.0469	6	0.093	< 2	260	0.103	9	0.33	0.456	< 10	144
98SE106	-116.4048	41.0416	5	0.391	2	247	0.111	4	0.29	0.346	< 10	101
98SE107	-116.3816	41.0928	6	N.d.	2	224	N.d.	10	0.34	N.d.	< 10	96
98SE108	-116.3868	41.09	6	N.d.	2	192	N.d.	8	0.31	N.d.	< 10	109
98SE109	-116.3813	41.0862	3	N.d.	2	127	N.d.	7	0.23	N.d.	< 10	73
98SE110	-116.3842	41.0795	5	0.087	< 2	202	0.137	10	0.37	0.357	< 10	105
98SE111	-116.3811	41.0783	6	0.458	2	206	0.127	9	0.32	0.449	< 10	117
98SE112	-116.3874	41.0765	4	0.752	< 2	88	0.152	6	0.21	0.432	< 10	151
98SE113	-116.3869	41.0715	6	0.288	2	270	0.067	11	0.37	0.46	< 10	95
98SE114	-116.3918	41.0698	7	N.d.	3	215	N.d.	10	0.39	N.d.	< 10	116
98SE116	-116.3877	41.0595	6	N.d.	2	252	N.d.	11	0.39	N.d.	< 10	108
98SE117	-116.38	41.0616	6	0.226	3	239	0.129	10	0.34	0.34	< 10	110
98SE118	-116.3757	41.0634	6	N.d.	2	245	N.d.	11	0.36	N.d.	< 10	114
98SE119	-116.3841	41.0575	6	0.399	< 2	286	0.149	12	0.35	0.456	< 10	86
98SE120	-116.3905	41.0526	6	0.359	2	279	0.094	13	0.34	0.317	< 10	76
98SE121	-116.3898	41.0558	6	0.301	2	230	0.088	11	0.36	0.499	< 10	110
98SE122	-116.4008	41.0126	6	0.306	2	337	0.077	13	0.43	0.393	< 10	101
98SE123	-116.395	41.0367	6	0.331	2	320	0.102	11	0.43	0.372	< 10	101
98SE124	-116.3909	41.04	7	0.01	3	332	0.07	13	0.52	0.359	< 10	112
98SE125	-116.3846	41.0408	6	N.d.	4	298	N.d.	12	0.38	N.d.	< 10	85
98SE126	-116.3932	41.0354	6	0.373	3	265	0.166	11	0.38	0.416	< 10	112
98SE127	-116.401	41.0342	5	0.96	< 2	155	0.15	7	0.28	0.381	< 10	141
98SE128	-116.4008	41.0386	5	N.d.	3	251	N.d.	6	0.29	N.d.	< 10	92
98SE129	-116.3953	41.0454	7	0.703	< 2	278	0.165	11	0.37	0.349	< 10	167
98SE130	-116.3905	41.049	6	0.708	< 2	265	0.11	10	0.37	0.451	< 10	191
98SE131	-116.3858	41.0521	7	0.282	< 2	265	0.138	11	0.37	0.37	< 10	193
98SE132	-116.3793	41.0551	7	0.74	< 2	242	0.12	10	0.34	0.389	< 10	205
98SE133	-116.3961	41.0495	5	1.09	< 2	111	0.129	6	0.23	0.331	< 10	213
98SE140	-116.2599	41.1135	7	1.73	2	152	0.335	8	0.28	0.41	< 10	218
98SE141	-116.2572	41.1073	5	2.59	2	148	0.322	5	0.21	0.439	< 10	307
98SE142	-116.2592	41.1102	8	3.01	< 2	102	0.481	7	0.23	0.639	< 10	344
98SE143	-116.2667	41.1144		2.32	N.d.	N.d.	0.354	N.d.	N.d.	0.578	N.d.	N.d.
98SE144	-116.2729	41.1183	7	2.14	< 2	122	0.382	8	0.26	0.442	< 10	214
98SE145	-116.2688	41.1184	7	1.26	2	157	0.247	8	0.31	0.519	< 10	152
98SE146	-116.3164	41.1189	6	0.2	< 2	157	0.067	9	0.29	0.514	< 10	95
98SE147	-116.2863	41.1225	7	0.725	< 2	141	0.248	8	0.29	0.474	< 10	137
98SE148	-116.2854	41.1185	6	0.489	< 2	118	0.178	7	0.26	0.4	< 10	96
98SE149	-116.2964	41.1157	5	0.466	< 2	115	0.152	7	0.24	0.396	< 10	87
98SE150	-116.3046	41.1205	7	0.891	2	124	0.328	8	0.27	0.492	< 10	167
98SE151	-116.2777	41.1075	6	0.987	< 2	106	0.248	7	0.24	0.549	< 10	208
98SE152	-116.2876	41.1071	7	0.371	< 2	160	0.208	8	0.28	0.343	< 10	108
98SE153	-116.2848	41.0958	7	1.07	< 2	142	0.281	7	0.25	0.367	< 10	184
98SE154	-116.2845	41.0999	6	2.54	3	89	0.439	7	0.2	0.464	< 10	218
98SE155	-116.3053	41.0896	8	1.9	< 2	121	0.365	9	0.26	0.515	< 10	298
98SE156	-116.3058	41.0868	5	1.48	< 2	92	0.248	6	0.2	0.247	< 10	143
98SE157	-116.3033	41.0859	5	1.46	< 2	101	0.181	5	0.21	0.537	< 10	128
98SE158	-116.3018	41.0896	5	1.24	< 2	107	0.246	6	0.23	0.362	< 10	167
98SE159	-116.328	41.1134	5	0.531	2	110	0.191	6	0.22	0.288	< 10	87
98SE160	-116.3271	41.111	6	0.467	< 2	120	0.203	7	0.26	0.311	< 10	86
98SE161	-116.3335	41.1061	7	0.562	< 2	161	0.177	8	0.28	0.482	< 10	120
98SE162	-116.338	41.1029	6	0.588	< 2	191	0.276	9	0.3	0.433	< 10	104
98SE163	-116.3346	41.1097	7	0.935	< 2	175	0.308	8	0.32	0.289	< 10	141
98SE164	-116.3492	41.1156	6	0.202	< 2	117	0.194	7	0.25	0.518	< 10	99
98SE165	-116.3494	41.1194	7	1.66	< 2	236	0.256	8	0.34	0.476	< 10	214
98SE166	-116.3527	41.1203	7	1.39	< 2	257	0.24	9	0.38	0.595	< 10	163
98SE167	-116.3552	41.1168	6	0.15	< 2	177	0.186	8	0.3	0.504	< 10	83
98SE168	-116.3483	41.0929	7	1	< 2	242	0.161	9	0.37	0.571	< 10	145
98SE169	-116.3411	41.0925	6	0.625	< 2	141	0.152	7	0.25	0.497	< 10	100
98SE170	-116.3399	41.0955	6	0.991	< 2	156	0.239	7	0.29	0.502	< 10	125
98SE171	-116.34	41.0982	5	0.746	< 2	107	0.296	5	0.25	0.637	< 10	103
98SE172	-116.3451	41.0972	6	0.512	2	202	0.242	7	0.31	0.574	< 10	120
98SE173	-116.3594	41.1166	6	1.09	5	168	0.2	8	0.29	0.449	< 10	144
98SE174	-116.3621	41.115	6	0.524	< 2	195	0.155	9	0.38	0.299	< 10	84
98SE175	-116.3689	41.1162	6	0.848	< 2	181	0.334	8	0.29	0.433	< 10	124
98SE176	-116.3733	41.1133	6	0.247	< 2	244	0.292	11	0.39	0.346	< 10	96
98SE177	-116.3534	41.0827	4	0.954	< 2	100	0.226	6	0.22	0.505	< 10	117
98SE178	-116.3525	41.0783	6	0.977	< 2	233	0.16	9	0.33	0.818	< 10	139

Table 6—cont'd.

Sample no.	longitude	latitude	Acme Sc ppm	USML Se ppm	Acme Sn ppm	Acme Sr ppm	USML Te ppm	Acme Th ppm	Acme Ti weight %	USML Tl ppm	Acme U ppm	Acme V ppm
98SE179	-116.3629	41.0786	7	0.459	< 2	281	0.116	9	0.38	0.63	< 10	115
98SE180	-116.3663	41.0804	4	1.52	< 2	112	0.247	6	0.21	0.336	< 10	166
98SE181	-116.3743	41.0789	6	0.152	< 2	303	0.18	10	0.41	0.518	< 10	88
98SE182	-116.3746	41.083	7	0.455	< 2	226	0.125	9	0.33	0.46	< 10	121
98SE183	-116.372	41.0833	7	0.889	< 2	203	0.159	10	0.31	0.439	< 10	135
98SE184	-116.3626	41.0852	7	0.936	2	230	0.294	10	0.33	0.458	< 10	136
98SE185	-116.3672	41.0929	6	1.17	< 2	174	0.229	9	0.29	0.529	< 10	154
98SE186	-116.3239	41.047	6	1.68	< 2	142	0.393	6	0.24	0.635	< 10	195
98SE187	-116.3267	41.0486	6	1.5	< 2	196	0.267	7	0.31	0.467	< 10	165
98SE188	-116.3339	41.046	6	1.33	2	171	0.261	6	0.25	0.664	< 10	180
98SE189	-116.3366	41.0528	7	2.02	< 2	204	0.203	7	0.25	0.894	< 10	190
98SE190	-116.3376	41.0473	6	1.59	< 2	216	0.225	7	0.29	0.711	< 10	167
98SE191	-116.3419	41.0433	6	1.42	< 2	184	0.299	6	0.24	0.583	< 10	183
98SE192	-116.3478	41.0437	6	1.28	< 2	206	0.299	8	0.3	0.537	< 10	165
98SE193	-116.3472	41.0396	6	1.63	2	173	0.455	6	0.24	0.812	< 10	170
98SE194	-116.3477	41.0369	7	0.637	< 2	164	0.204	8	0.28	0.516	< 10	193
98SE195	-116.352	41.036	5	1.76	4	174	0.36	7	0.27	0.544	< 10	183
98SE196	-116.3597	41.0347	5	1.5	< 2	162	0.247	7	0.25	0.447	< 10	174
98SE197	-116.2999	41.068	7	0.903	2	164	0.191	7	0.26	0.576	< 10	151
98SE198	-116.3063	41.0676	5	0.798	3	129	0.167	6	0.22	0.467	< 10	126
98SE199	-116.3102	41.0631	5	2.12	2	169	0.259	6	0.21	0.558	< 10	208
98SE200	-116.3109	41.061	6	1.84	< 2	212	0.273	6	0.21	0.634	< 10	180
98SE201	-116.3189	41.0639	6	1.53	2	128	0.315	5	0.21	0.588	< 10	175
98SE202	-116.3237	41.0608	7	1.36	2	151	0.189	6	0.26	0.912	< 10	188
98SE203	-116.3304	41.0622	5	1.27	< 2	130	0.27	5	0.21	0.56	< 10	155
98SE204	-116.3486	41.0511	7	1.28	2	226	0.205	9	0.32	0.656	< 10	136
98SE205	-116.346	41.0511	8	1.14	2	205	0.279	9	0.34	0.697	< 10	182
98SE206	-116.3527	41.0464	8	0.959	2	202	0.291	9	0.31	0.792	< 10	146
98SE207	-116.3544	41.0373	6	0.685	< 2	211	0.272	7	0.26	0.484	< 10	131
98SE208	-116.3597	41.0366	6	0.345	< 2	248	0.188	7	0.31	0.436	< 10	92
98SE209	-116.3697	41.0294	6	1.54	3	194	0.342	8	0.27	0.625	< 10	159
98SE210	-116.3686	41.0338	7	0.593	< 2	267	0.173	10	0.38	0.539	< 10	111
98SE211	-116.3724	41.0456	7	0.752	< 2	241	0.262	10	0.33	0.707	< 10	132
98SE212	-116.3736	41.0367	6	0	< 2	326	0.176	12	0.42	0.445	< 10	103
98SE213	-116.3378	41.0692	5	1.39	< 2	118	0.231	5	0.2	0.814	< 10	176
98SE214	-116.3357	41.0756	6	0.804	< 2	236	0.237	8	0.32	0.704	< 10	150
98SE215	-116.3288	41.0771	N.d.	0.938	N.d.	N.d.	0.325	N.d.	N.d.	0.534	N.d.	N.d.
98SE216	-116.3262	41.0786	7	1.22	2	131	0.271	8	0.27	0.615	< 10	122
98SE217	-116.3246	41.0761	6	1.12	2	106	0.256	7	0.23	0.551	< 10	188
98SE218	-116.3225	41.0744	6	0.92	< 2	188	0.246	8	0.27	0.874	< 10	167
98SE219	-116.3187	41.0762	6	2.38	2	105	0.36	7	0.24	0.692	< 10	263
98SE220	-116.3149	41.0793	4	0.852	< 2	76	0.252	5	0.18	0.48	< 10	140
98SE221	-116.3124	41.0799	5	1.43	< 2	95	0.246	6	0.21	0.513	< 10	188
98SE222	-116.3414	41.0701	6	2.38	< 2	157	0.365	7	0.27	0.761	< 10	248
98SE223	-116.3449	41.0745	5	1.33	< 2	122	0.247	7	0.25	0.596	< 10	182
98SE224	-116.3494	41.0731	7	0.884	2	201	0.244	9	0.31	0.685	< 10	146
98SE225	-116.3701	41.0585	7	0.376	2	257	0.187	10	0.35	0.704	< 10	133
98SE226	-116.3698	41.0621	7	0.237	2	248	0.206	12	0.36	0.562	< 10	129
98SE227	-116.3722	41.0645	7	0.198	3	271	0.237	10	0.35	0.508	< 10	107
98SE228	-116.372	41.0137	6	0.512	2	265	0.18	9	0.35	0.369	< 10	126
98SE229	-116.3696	41.0127	7	0	2	246	0.164	10	0.36	0.579	< 10	94
98SE230	-116.3468	41.0144	7	0.338	< 2	243	0.291	10	0.34	0.773	< 10	136
98SE231	-116.3433	41.0122	7	0.631	3	279	0.246	11	0.39	0.511	< 10	123
98SE232	-116.34	41.0154	7	1.77	2	235	0.483	7	0.27	0.787	< 10	227
98SE233	-116.3387	41.0217	7	1.18	< 2	227	0.324	10	0.33	0.542	< 10	160
98SE234	-116.3346	41.022	6	1.21	< 2	133	0.284	8	0.26	0.515	< 10	184
98SE235	-116.326	41.0253	7	1.42	< 2	137	0.336	7	0.25	0.666	< 10	191
98SE236	-116.3265	41.028	7	1.3	3	148	0.289	7	0.24	0.533	< 10	194
98SE237	-116.3512	41.0116	6	1.76	< 2	143	0.278	7	0.24	0.572	< 10	201
98SE238	-116.3528	41.0149	6	0.246	2	276	0.129	9	0.34	0.367	< 10	113
98SE239	-116.356	41.0215	6	0.695	3	209	0.321	9	0.34	0.447	< 10	166
98SE240	-116.3598	41.0237	7	0.352	2	252	0.182	9	0.31	0.347	< 10	103
98SE241	-116.366	41.0166	7	0.421	< 2	251	0.195	10	0.32	0.508	< 10	116
98SE242	-116.3679	41.018	6	0.033	< 2	315	0.14	10	0.35	0.418	< 10	78
98SE243	-116.3414	41.0011	6	1.13	< 2	273	0.262	11	0.36	0.494	< 10	168
98SE244	-116.2546	41.0325	9	3.38	4	113	0.623	8	0.27	0.545	< 10	309
98SE245	-116.2555	41.0427	7	2.87	3	131	0.307	6	0.24	0.537	< 10	203

Table 6—cont'd.

Sample no.	longitude	latitude	Acme Sc ppm	USML Se ppm	Acme Sn ppm	Acme Sr ppm	USML Te ppm	Acme Th ppm	Acme Ti weight %	USML Tl ppm	Acme U ppm	Acme V ppm
98SE246	-116.2566	41.0483	4	1.54	2	122	0.244	3	0.18	0.457	< 10	158
98SE247	-116.258	41.0522	6	1.67	3	110	0.309	5	0.21	0.709	< 10	196
98SE248	-116.2616	41.0519	6	2.29	3	110	0.35	5	0.23	0.898	< 10	219
98SE249	-116.2641	41.0594	7	1.52	2	91	0.345	6	0.24	0.6	< 10	175
98SE250	-116.2661	41.0561	5	2.72	< 2	103	0.317	5	0.22	0.517	< 10	146
98SE251	-116.2675	41.0972	5	3.33	< 2	140	0.328	5	0.23	0.307	< 10	195
98SE252	-116.2646	41.1003	5	2.28	2	134	0.298	5	0.22	0.397	< 10	225
98SE253	-116.2649	41.1045	5	2.83	2	96	0.383	5	0.19	0.488	< 10	220
98SE254	-116.2736	41.0953	6	3.35	3	107	0.379	6	0.23	0.432	< 10	244
98SE255	-116.2721	41.0938	5	1.13	3	139	0.223	5	0.21	0.321	< 10	162
98TT39	-116.2651	41.0027	8	5.63	2	123	0.493	7	0.27	0.588	< 10	378
98TT40	-116.274	41.0041	7	4.57	2	148	0.376	4	0.24	0.64	< 10	307
98TT41	-116.2784	41.0089	7	3.43	< 2	159	0.512	6	0.22	0.576	< 10	257
98TT42	-116.2847	41.014	8	4.22	< 2	114	0.472	7	0.27	0.472	< 10	329
98TT43	-116.2901	41.0163	9	3.64	2	136	0.556	7	0.29	0.709	< 10	400
98TT44	-116.2942	41.0159	9	2.99	< 2	135	0.356	7	0.29	0.542	< 10	393
98TT45	-116.2925	41.0137	8	4.48	< 2	126	0.559	7	0.27	0.775	< 10	423
98TT46	-116.2546	41.0047	7	3.99	< 2	151	0.502	8	0.29	0.634	< 10	271
98TT47	-116.2514	41.0092	6	5.59	< 2	170	0.479	5	0.21	0.655	< 10	227
98TT48	-116.2544	41.0241	N.d.	3.24	N.d.	N.d.	0.474	N.d.	N.d.	0.845	N.d.	N.d.
98TT49	-116.2559	41.0228	7	5.36	2	145	0.505	5	0.24	0.76	< 10	365
98TT50	-116.2907	41.0466	N.d.	2.77	N.d.	N.d.	0.238	N.d.	N.d.	0.35	N.d.	N.d.
98TT51	-116.2958	41.0451	N.d.	2.43	N.d.	N.d.	0.347	N.d.	N.d.	0.292	N.d.	N.d.
98TT52	-116.2972	41.031	N.d.	1.68	N.d.	N.d.	0.606	N.d.	N.d.	0.844	N.d.	N.d.
98TT53	-116.3024	41.0298	N.d.	2.94	N.d.	N.d.	0.454	N.d.	N.d.	0.687	N.d.	N.d.
98TT54	-116.281	41.0332	8	2.06	< 2	199	0.329	6	0.33	0.619	< 10	198
98TT55	-116.281	41.0314	9	2.74	< 2	174	0.546	6	0.28	0.629	11	398
98TT56	-116.2733	41.0294	N.d.	4.76	N.d.	N.d.	1.2	N.d.	N.d.	0.585	N.d.	N.d.
98TT57	-116.2717	41.0278	8	4.51	< 2	130	0.79	7	0.24	0.615	< 10	558
98TT58	-116.2697	41.0351	6	2.29	2	88	0.489	5	0.2	0.474	< 10	181
98TT59	-116.2724	41.0344	7	3.19	2	152	0.501	5	0.2	0.55	< 10	269
98TT60	-116.2718	41.0766	N.d.	1.67	N.d.	N.d.	0.24	N.d.	N.d.	0.525	N.d.	N.d.
98TT61	-116.2665	41.0724	5	1.58	< 2	124	0.351	6	0.23	0.535	< 10	106
98TT62	-116.2651	41.0693	9	1.67	< 2	123	0.384	7	0.25	0.533	< 10	273
98TT63	-116.2694	41.0693	N.d.	1.87	N.d.	N.d.	0.182	N.d.	N.d.	0.118	N.d.	N.d.
98TT64	-116.2703	41.0675	4	1.46	< 2	122	0.141	5	0.2	0.408	< 10	64
98TT65	-116.3256	41.0015	8	2.57	2	152	0.478	7	0.26	0.694	< 10	281
98TT66	-116.3294	41.0024	7	1.5	< 2	235	0.33	7	0.32	0.524	< 10	222
98TT67	-116.3229	41.016	8	1.42	< 2	200	0.594	7	0.25	0.639	< 10	420
98TT68	-116.3227	41.0175	6	1.45	2	181	0.274	6	0.27	0.551	< 10	205
98TT69	-116.3177	41.0202	N.d.	2.2	N.d.	N.d.	0.332	N.d.	N.d.	0.443	N.d.	N.d.

Table 7—Analytical data for W, Y, Zn, and Zr, for stream-sediment samples from the Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles, Nev.

[Analytical procedures, see text; elements analyzed by Acme laboratories, total digestion; elements analyzed by USML laboratories, partial digestion. N.d., not determined; ppm, parts per million]

Sample no.	longitude	latitude	Acme W ppm	Acme Y ppm	Acme Zn ppm	USML Zn ppm	Acme Zr ppm
98VB053	-116.4955	41.0478	< 4	25	117	91.6	140
98VB054	-116.4953	41.0394	< 4	25	89	61.1	147
98VB055	-116.4931	41.0332	< 4	24	85	70.1	127
98VB056	-116.4981	41.0365	< 4	23	105	87.4	126
98VB057	-116.4924	41.0463	< 4	28	213	222	121
98VB058	-116.492	41.0413	< 4	26	86	62.7	163
98VB059	-116.4869	41.0364	< 4	24	127	120	109
98VB060	-116.4856	41.0321	< 4	21	73	55.8	109
98VB061	-116.4808	41.0358	< 4	24	74	58.4	127
98VB062	-116.4814	41.0413	17	40	111	96.3	191
98VB063	-116.4804	41.042	< 4	36	88	74.8	128
98VB064	-116.4841	41.0465	8	33	82	64.1	140
98VB065	-116.4876	41.0496	< 4	27	77	55.4	148
98VB066	-116.4933	41.0543	< 4	37	68	33.5	206
98VB067	-116.4944	41.0602	< 4	37	102	77	94
98VB068	-116.484	41.0603	< 4	30	97	75.9	94
98VB069	-116.479	41.0568	< 4	30	106	53.1	212
98VB070	-116.4736	41.055	< 4	29	80	32	181
98VB071	-116.4729	41.0491	< 4	33	90	57.8	127
98VB072	-116.4617	41.0403	< 4	29	91	57.4	134
98VB073	-116.463	41.045	< 4	27	88	58.7	119
98VB074	-116.4654	41.0583	< 4	30	115	73.4	143
98VB075	-116.3825	41.0243	< 4	16	78	55.9	84
98VB076	-116.3847	41.0161	< 4	17	88	64.2	85
98VB077	-116.3812	41.0123	< 4	17	192	168	82
98VB078	-116.3881	41.0099	< 4	15	212	174	75
98VB079	-116.3952	41.0061	< 4	16	234	212	76
98VB080	-116.4626	41.0558	< 4	26	108	67.9	138
98VB081	-116.4579	41.0493	< 4	23	158	123	126
98VB082	-116.4521	41.0354	< 4	23	110	75.9	130
98VB083	-116.4504	41.0396	7	22	147	109	104
98VB084	-116.4473	41.0431	< 4	21	88	69.5	76
98VB085	-116.4583	41.0594	< 4	30	94	64.2	150
98VB086	-116.4544	41.0625	< 4	24	130	105	123
98VB087	-116.441	41.062	< 4	16	101	81.1	80
98VB088	-116.446	41.0582	< 4	17	198	181	84
98VB089	-116.4392	41.0554	< 4	19	106	81.9	92
98VB090	-116.4523	41.0549	< 4	21	204	165	121
98VB091	-116.4494	41.052	< 4	19	241	184	99
98VB092	-116.4431	41.0491	< 4	15	208	166	76
98VB093	-116.4384	41.0437	< 4	13	121	91.8	82
98VB094	-116.429	41.009	< 4	24	69	47.8	105
98VB095	-116.4319	41.0133	< 4	27	74	48.2	111
98VB096	-116.4356	41.0173	< 4	24	84	57	116
98VB097	-116.4425	41.0211	< 4	23	97	70.7	125
98VB098	-116.4488	41.0244	4	18	96	72.7	90
98VB099	-116.4584	41.0037	< 4	17	84	58.6	99
98VB100	-116.4576	41.0004	< 4	19	81	54.4	107
98VB101	-116.4626	41.0045	< 4	20	65	38.8	101
98VB102	-116.4686	41.0068	< 4	14	81	63.2	86
98VB103	-116.4826	41.0043	< 4	16	73	61.7	81
98VB104	-116.4769	41.0016	< 4	18	76	57.6	96
98VB105	-116.4961	41.014	< 4	20	80	62.5	85
98VB106	-116.489	41.0194	< 4	20	77	57.8	90
98VB107	-116.485	41.0155	4	18	78	57.5	96
98VB108	-116.4799	41.018	< 4	16	64	46.7	79
98VB109	-116.4812	41.0232	< 4	19	68	55.1	84
98VB110	-116.4746	41.0218	< 4	18	63	50.1	83
98VB111	-116.4676	41.0194	< 4	16	53	41.3	76
98VB112	-116.4966	41.1206	< 4	20	51	34.5	95
98VB113	-116.4945	41.123	< 4	20	52	36.7	84

Table 7—cont'd.

Sample no.	longitude	latitude	Acme W ppm	Acme Y ppm	Acme Zn ppm	USML Zn ppm	Acme Zr ppm
98VB114	-116.4983	41.1057	< 4	26	75	47.5	135
98VB115	-116.4933	41.1016	< 4	21	59	40.8	107
98VB116	-116.4937	41.0978	< 4	22	58	40	101
98VB117	-116.4971	41.0989	4	25	73	51.2	118
98VB118	-116.4966	41.0929	< 4	32	75	53.3	102
98VB119	-116.4537	41.109	< 4	27	107	88.2	138
98VB120	-116.4477	41.115	< 4	28	116	98.9	131
98VB121	-116.4472	41.1188	< 4	42	75	44.7	204
98VB122	-116.4405	41.1189	< 4	23	124	110	103
98VB123	-116.4364	41.1211	< 4	27	251	N.d.	130
98VB124	-116.4356	41.1191	< 4	25	84	64.9	123
98VB125	-116.4332	41.1166	< 4	28	58	42.8	135
98VB126	-116.4624	41.1029	< 4	24	73	51.9	133
98VB127	-116.4517	41.1035	< 4	19	64	45.4	91
98VB128	-116.4419	41.1026	< 4	17	61	46.2	84
98VB129	-116.4452	41.0997	< 4	18	67	54	89
98VB130	-116.4508	41.0956	< 4	42	123	91	207
98VB131	-116.4518	41.0915	< 4	42	189	157	164
98VB132	-116.4575	41.0881	< 4	38	119	94	182
98VB133	-116.4782	41.094	< 4	33	86	52.8	165
98VB134	-116.4828	41.0947	< 4	30	72	47.9	153
98VB135	-116.4882	41.0967	< 4	24	65	50.2	110
98VB136	-116.4803	41.0986	< 4	24	63	41.5	115
98VB137	-116.48	41.1052	< 4	26	67	43.4	105
98VB138	-116.4711	41.0952	< 4	33	118	77.4	179
98VB139	-116.473	41.1015	< 4	31	82	53.5	139
98VB140	-116.4675	41.0987	< 4	32	77	49.3	160
98VB141	-116.4988	41.0662	< 4	42	103	77.8	86
98VB142	-116.493	41.0727	< 4	30	95	66.7	100
98VB143	-116.4893	41.0668	< 4	31	90	N.d.	105
98VB144	-116.4893	41.0634	< 4	36	119	83.1	98
98VB145	-116.4739	41.061	4	24	84	69.8	93
98VB146	-116.4507	41.0691	< 4	22	95	74.8	107
98VB147	-116.4565	41.071	< 4	31	76	56.3	163
98VB148	-116.4526	41.0792	< 4	30	117	95.8	140
98VB149	-116.4457	41.0763	< 4	25	113	105	115
98VB150	-116.4409	41.0717	< 4	21	153	132	98
98VB151	-116.4394	41.0669	4	22	174	159	94
98VB152	-116.4411	41.0773	< 4	25	71	58.6	94
98VB153	-116.4356	41.0782	< 4	20	121	107	96
98VB154	-116.4196	41.1123	< 4	55	121	54.1	322
98VB155	-116.424	41.1154	< 4	36	82	55.7	195
98VB156	-116.4213	41.1189	< 4	23	81	70.4	112
98VB157	-116.417	41.1192	< 4	30	62	42.1	146
98VB158	-116.4127	41.1144	< 4	29	67	42.9	144
98VB159	-116.4177	41.124	< 4	30	73	58.6	129
98VB160	-116.4099	41.122	< 4	21	93	76.9	106
98VB161	-116.4057	41.1186	< 4	23	78	69.4	115
98VB162	-116.4078	41.119	< 4	33	77	59.5	160
98VB163	-116.4054	41.1139	< 4	29	83	65.3	151
98VB164	-116.3992	41.1095	< 4	34	73	47.8	162
98VB165	-116.3905	41.1074	< 4	19	74	68.5	86
98VB166	-116.3952	41.1032	< 4	16	60	52.2	73
98VB167	-116.3886	41.1044	< 4	16	54	51.7	64
98VB168	-116.381	41.1051	< 4	18	46	42.5	66
98VB169	-116.4109	41.1041	< 4	16	56	N.d.	76
98VB170	-116.4046	41.1053	< 4	18	72	63.6	74
98VB171	-116.4243	41.1007	< 4	18	64	46.9	85
98VB172	-116.4115	41.0887	< 4	16	106	95.7	68
98VB173	-116.4024	41.0882	< 4	18	115	98.5	82
98VB174	-116.4025	41.0914	< 4	15	92	83.9	80
98VB175	-116.4096	41.0922	< 4	16	129	115	81
98VB176	-116.4168	41.0947	< 4	19	110	87.5	102
98VB177	-116.4305	41.0634	< 4	23	73	52.3	108
98VB178	-116.4289	41.0674	< 4	25	85	68	127
98VB179	-116.4258	41.0643	< 4	28	80	56.4	148
98VB180	-116.407	41.0359	< 4	17	75	59.9	77

Table 7—cont'd.

Sample no.	longitude	latitude	Acme W ppm	Acme Y ppm	Acme Zn ppm	USML Zn ppm	Acme Zr ppm
98VB181	-116.4109	41.0472	< 4	20	100	77.4	105
98VB182	-116.4094	41.0533	< 4	20	62	48.6	85
98VB183	-116.4321	41.0568	< 4	16	104	82.8	100
98VB184	-116.4275	41.0601	< 4	22	94	68.9	126
98VB185	-116.4224	41.0566	< 4	20	79	67.4	98
98VB186	-116.4207	41.0424	< 4	14	140	143	60
98VB187	-116.4088	41.0602	< 4	18	73	56.8	91
98VB188	-116.4073	41.0636	< 4	21	77	65.8	85
98VB189	-116.406	41.0696	< 4	21	91	79.3	81
98VB190	-116.4082	41.0733	< 4	19	82	69.7	87
98VB191	-116.4024	41.0745	< 4	22	88	71.6	89
98VB192	-116.4052	41.0772	< 4	21	126	106	81
98VB193	-116.4013	41.0815	< 4	17	108	94.7	75
98VB194	-116.3987	41.0765	< 4	23	86	76.6	78
98VB195	-116.3992	41.0719	< 4	18	86	73.1	79
98VB196	-116.3941	41.0572	< 4	20	73	57.7	97
98VB197	-116.3899	41.0606	< 4	20	71	59	97
98VB198	-116.3855	41.0633	< 4	17	72	65	79
98VB199	-116.3784	41.0652	< 4	18	80	68.1	84
98VB200	-116.3828	41.0662	< 4	19	84	71.9	82
98VB201	-116.3922	41.0645	< 4	17	78		79
98VB202	-116.3987	41.0188	< 4	18	77	61.7	89
98VB203	-116.3851	41.0377	< 4	16	105	97.3	76
98VB204	-116.3795	41.0394	< 4	16	117	112	77
98VB205	-116.3758	41.0422	< 4	16	142	118	71
98VB206	-116.3808	41.035	< 4	18	74	54.6	77
98VB207	-116.3892	41.034	< 4	19	75	55.7	89
98VB208	-116.3915	41.0304	< 4	18	77	58	86
98VB209	-116.3968	41.0316	< 4	18	69	56	76
98VB210	-116.3942	41.0441	< 4	18	103	87.1	85
98VB211	-116.3893	41.0463	< 4	17	114	106	76
98VB212	-116.3838	41.0471	< 4	17	135		74
98VB213	-116.3777	41.0477	< 4	15	106	92.8	75
98VB214	-116.3973	41.0418	< 4	21	91	79.7	89
98SE001	-116.4694	41.0494	< 4	46	86	67.6	147
98SE002	-116.4761	41.036	< 4	30	71	50.9	142
98SE003	-116.4734	41.0408	< 4	27	62	50.7	109
98SE004	-116.4641	41.0368	< 4	21	62	56.6	88
98SE005	-116.4619	41.0366	< 4	27	61	45.3	108
98SE006	-116.4665	41.0528	< 4	35	82	65.3	111
98SE007	-116.3882	41.0161	< 4	18	112	107	80
98SE008	-116.3799	41.0145	< 4	16	246	248	69
98SE009	-116.3895	41.0105	< 4	17	79	64.7	75
98SE010	-116.3931	41.0112	< 4	18	96	84.7	76
98SE011	-116.3905	41.0067	< 4	18	108	108	74
98SE012	-116.4611	41.0515	< 4	25	103	78.6	109
98SE013	-116.4554	41.043	< 4	25	90	74	105
98SE014	-116.4585	41.0398	4	29	71	58.8	106
98SE015	-116.4537	41.03	< 4	21	95	85.1	103
98SE016	-116.4521	41.0466	< 4	22	130	117	90
98SE017	-116.448	41.0532	< 4	20	177	158	76
98SE018	-116.4443	41.0139	< 4	29	71	50.5	127
98SE019	-116.4496	41.0138	< 4	21	64	52.5	93
98SE020	-116.4424	41.0155	< 4	29	69	50.7	120
98SE021	-116.4378	41.0116	< 4	28	74	61	122
98SE022	-116.4355	41.0122	< 4	28	70	48.2	137
98SE023	-116.4271	41.0053	< 4	28	86	63.2	126
98SE024	-116.4586	41.0127	< 4	18	71	64.7	79
98SE025	-116.458	41.008	< 4	26	80	47.1	136
98SE026	-116.4645	41.0094	< 4	17	80	58	86
98SE027	-116.4768	41.0118	< 4	17	77	56.6	91
98SE028	-116.4911	41.01	< 4	16	68	52.4	86
98SE029	-116.4848	41.0085	< 4	16	68	54.9	90
98SE030	-116.4952	41.0249	< 4	19	75	58.7	115
98SE031	-116.4985	41.0257	< 4	22	104	81.8	121
98SE032	-116.4983	41.019	< 4	15	50	33.8	84
98SE033	-116.4724	41.0266	< 4	17	68	52.4	93

Table 7—cont'd.

Sample no.	longitude	latitude	Acme W ppm	Acme Y ppm	Acme Zn ppm	USML Zn ppm	Acme Zr ppm
98SE034	-116.4661	41.0256	< 4	17	51	38.9	75
98SE035	-116.4606	41.0178	< 4	17	63	48.8	85
98SE036	-116.4916	41.1166	< 4	22	55	35.3	95
98SE037	-116.4922	41.1107	< 4	21	55	42.4	92
98SE038	-116.4952	41.1106	< 4	24	66	46.3	123
98SE039	-116.4927	41.1064	< 4	24	67	52.1	101
98SE040	-116.4974	41.0819	< 4	35	86	N.d.	102
98SE041	-116.496	41.0885	< 4	28	86	64.2	97
98SE042	-116.4588	41.1242	< 4	28	64	37.9	158
98SE043	-116.4549	41.1225	< 4	28	97	76.9	158
98SE044	-116.462	41.1164	< 4	29	79	51.7	152
98SE045	-116.4628	41.1138	< 4	34	90	59.4	162
98SE046	-116.4679	41.1144	< 4	39	94	62.2	180
98SE047	-116.47	41.1182	< 4	31	61	43.6	154
98SE048	-116.4756	41.1189	< 4	21	61	47.3	95
98SE049	-116.4662	41.1076	< 4	39	124	99.5	184
98SE050	-116.4613	41.1078	< 4	34	101	73	180
98SE051	-116.4714	41.1052	< 4	37	97	67.4	197
98SE052	-116.4492	41.0895	< 4	20	174	162	79
98SE053	-116.4378	41.0912	< 4	22	112	93.2	98
98SE054	-116.4325	41.0937	< 4	28	102	70.6	158
98SE055	-116.4319	41.0902	< 4	24	91	72.2	115
98SE056	-116.4405	41.0846	< 4	17	88	70	103
98SE057	-116.4488	41.0852	< 4	19	79	64	94
98SE058	-116.4577	41.0852	< 4	30	112	91.5	166
98SE059	-116.4828	41.0912	< 4	32	134	79.3	170
98SE060	-116.4886	41.0893	< 4	33	95	46.4	190
98SE061	-116.4767	41.0816	< 4	21	97	67.6	105
98SE062	-116.4741	41.0846	< 4	22	89	62.5	107
98SE063	-116.4756	41.0902	< 4	28	94	54.9	159
98SE064	-116.4648	41.0932	< 4	30	86	46.5	167
98SE065	-116.4627	41.0887	< 4	24	88	57	117
98SE066	-116.4685	41.0877	< 4	21	105	64.5	102
98SE067	-116.475	41.0592	6	29	97	63.1	101
98SE068	-116.4761	41.0635	< 4	21	90	61.4	92
98SE069	-116.4758	41.0694	< 4	23	86	56.8	94
98SE070	-116.48	41.0722	< 4	18	80	59.5	99
98SE071	-116.4836	41.0755	< 4	23	80	55	91
98SE072	-116.4755	41.0753	< 4	24	90	53.9	109
98SE073	-116.4715	41.0757	< 4	20	79	60.9	91
98SE074	-116.4692	41.0703	< 4	27	94	63.9	100
98SE075	-116.4715	41.0648	< 4	28	95	67.1	92
98SE076	-116.392	41.1207	< 4	22	106	79.7	89
98SE077	-116.3981	41.1236	4	31	92	60.8	160
98SE078	-116.4029	41.1213	< 4	20	106	80.9	95
98SE079	-116.3994	41.1184	< 4	22	87	66.9	114
98SE080	-116.3976	41.1155	< 4	26	75	52.1	134
98SE082	-116.3805	41.1226	< 4	24	120	91.8	98
98SE083	-116.3783	41.1218	< 4	20	379	333	85
98SE084	-116.3787	41.1194	< 4	22	103	N.d.	85
98SE085	-116.3763	41.1151	< 4	15	74	61.2	66
98SE086	-116.3832	41.1158	< 4	19	74	51.8	98
98SE087	-116.3934	41.1116	< 4	24	99	77.6	130
98SE088	-116.3819	41.0995	< 4	22	94	71.4	79
98SE089	-116.391	41.0996	< 4	18	84	64.2	84
98SE090	-116.4015	41.0968	< 4	17	109	92.9	80
98SE091	-116.4024	41.1028	< 4	18	78	57.4	82
98SE092	-116.421	41.1051	< 4	19	85	62.5	90
98SE093	-116.4254	41.0959	< 4	17	85	N.d.	82
98SE094	-116.4321	41.097	< 4	20	134	N.d.	76
98SE095	-116.4276	41.0899	< 4	17	113	78.2	82
98SE096	-116.4143	41.0825	24	17	124	87.5	81
98SE097	-116.4216	41.0845	< 4	20	148	109	108
98SE098	-116.4165	41.0927	< 4	18	101	63.7	81
98SE099	-116.4347	41.0618	< 4	16	108	N.d.	81
98SE100	-116.4107	41.0398	< 4	20	96	75.2	79
98SE101	-116.4157	41.048	< 4	15	208	161	71

Table 7—cont'd.

Sample no.	longitude	latitude	Acme W ppm	Acme Y ppm	Acme Zn ppm	USML Zn ppm	Acme Zr ppm
98SE102	-116.4144	41.0525	< 4	18	87	62.5	82
98SE103	-116.4325	41.0459	< 4	18	156	N.d.	87
98SE104	-116.4326	41.05	< 4	18	134	106	78
98SE105	-116.4217	41.0469	< 4	16	144	94.8	76
98SE106	-116.4048	41.0416	< 4	16	72	53.8	67
98SE107	-116.3816	41.0928	< 4	18	105	N.d.	80
98SE108	-116.3868	41.09	< 4	18	92	N.d.	70
98SE109	-116.3813	41.0862	< 4	14	44	N.d.	41
98SE110	-116.3842	41.0795	< 4	18	68	54.9	66
98SE111	-116.3811	41.0783	< 4	16	134	110	77
98SE112	-116.3874	41.0765	< 4	12	121	98.3	55
98SE113	-116.3869	41.0715	< 4	21	77	55.1	76
98SE114	-116.3918	41.0698	< 4	20	112	N.d.	84
98SE116	-116.3877	41.0595	< 4	17	102	N.d.	79
98SE117	-116.38	41.0616	< 4	15	96	76.6	69
98SE118	-116.3757	41.0634	< 4	16	104	N.d.	71
98SE119	-116.3841	41.0575	< 4	17	84	65.1	74
98SE120	-116.3905	41.0526	< 4	21	77	51.7	100
98SE121	-116.3898	41.0558	< 4	17	94	73	81
98SE122	-116.4008	41.0126	< 4	18	67	50.1	72
98SE123	-116.395	41.0367	< 4	24	79	60.6	103
98SE124	-116.3909	41.04	< 4	25	86	57	119
98SE125	-116.3846	41.0408	< 4	21	86	N.d.	95
98SE126	-116.3932	41.0354	< 4	19	91	72.3	81
98SE127	-116.401	41.0342	< 4	15	112	94.1	64
98SE128	-116.4008	41.0386	< 4	17	62	N.d.	70
98SE129	-116.3953	41.0454	< 4	15	99	78.5	87
98SE130	-116.3905	41.049	< 4	14	103	85.1	82
98SE131	-116.3858	41.0521	< 4	15	105	88	86
98SE132	-116.3793	41.0551	< 4	15	107	94.9	85
98SE133	-116.3961	41.0495	< 4	11	116	117	66
98SE140	-116.2599	41.1135	< 4	21	308	328	84
98SE141	-116.2572	41.1073	< 4	20	216	234	68
98SE142	-116.2592	41.1102	< 4	31	315	356	78
98SE143	-116.2667	41.1144	N.d.	N.d.	N.d.	218	N.d.
98SE144	-116.2729	41.1183	< 4	25	205	227	81
98SE145	-116.2688	41.1184	< 4	20	151	171	82
98SE146	-116.3164	41.1189	< 4	55	67	62.9	72
98SE147	-116.2863	41.1225	< 4	26	113	114	81
98SE148	-116.2854	41.1185	< 4	19	78	85.4	75
98SE149	-116.2964	41.1157	< 4	21	77	78.6	65
98SE150	-116.3046	41.1205	< 4	22	194	209	80
98SE151	-116.2777	41.1075	< 4	18	179	212	71
98SE152	-116.2876	41.1071	< 4	30	124	129	77
98SE153	-116.2848	41.0958	< 4	21	205	228	83
98SE154	-116.2845	41.0999	< 4	19	277	321	68
98SE155	-116.3053	41.0896	< 4	28	376	440	87
98SE156	-116.3058	41.0868	< 4	14	125	140	67
98SE157	-116.3033	41.0859	< 4	14	115	130	64
98SE158	-116.3018	41.0896	< 4	16	161	182	67
98SE159	-116.328	41.1134	< 4	21	56	51.4	64
98SE160	-116.3271	41.111	< 4	23	66	66	73
98SE161	-116.3335	41.1061	< 4	33	87	86.3	78
98SE162	-116.338	41.1029	< 4	35	65	66.2	79
98SE163	-116.3346	41.1097	< 4	35	164	179	81
98SE164	-116.3492	41.1156	< 4	24	63	67.9	80
98SE165	-116.3494	41.1194	< 4	31	145	150	84
98SE166	-116.3527	41.1203	< 4	30	75	69.3	85
98SE167	-116.3552	41.1168	< 4	28	51	52.3	79
98SE168	-116.3483	41.0929	< 4	31	87	84.6	81
98SE169	-116.3411	41.0925	< 4	27	72	79.5	76
98SE170	-116.3399	41.0955	< 4	22	188	227	81
98SE171	-116.34	41.0982	< 4	17	72	76.6	68
98SE172	-116.3451	41.0972	< 4	23	80	76.1	74
98SE173	-116.3594	41.1166	< 4	27	111	121	80
98SE174	-116.3621	41.115	< 4	24	55	52.7	87
98SE175	-116.3689	41.1162	< 4	22	111	95.2	76

Table 7—cont'd.

Sample no.	longitude	latitude	Acme W ppm	Acme Y ppm	Acme Zn ppm	USML Zn ppm	Acme Zr ppm
98SE176	-116.3733	41.1133	< 4	25	76	67.8	84
98SE177	-116.3534	41.0827	< 4	14	96	98.4	60
98SE178	-116.3525	41.0783	< 4	22	110	114	79
98SE179	-116.3629	41.0786	< 4	26	94	81.8	87
98SE180	-116.3663	41.0804	< 4	15	138	131	60
98SE181	-116.3743	41.0789	< 4	24	65	54.5	95
98SE182	-116.3746	41.083	< 4	20	99	91.1	79
98SE183	-116.372	41.0833	< 4	20	140	132	76
98SE184	-116.3626	41.0852	< 4	23	268	255	79
98SE185	-116.3672	41.0929	< 4	20	164	152	75
98SE186	-116.3239	41.047	< 4	16	438	412	61
98SE187	-116.3267	41.0486	< 4	19	160	146	73
98SE188	-116.3339	41.046	< 4	14	249	238	59
98SE189	-116.3366	41.0528	< 4	20	95	75.8	71
98SE190	-116.3376	41.0473	< 4	19	191	175	74
98SE191	-116.3419	41.0433	< 4	17	298	291	62
98SE192	-116.3478	41.0437	< 4	18	176	166	68
98SE193	-116.3472	41.0396	< 4	18	359	382	67
98SE194	-116.3477	41.0369	< 4	19	152	144	76
98SE195	-116.352	41.036	< 4	16	275	285	64
98SE196	-116.3597	41.0347	< 4	16	227	232	64
98SE197	-116.2999	41.068	< 4	22	169	163	88
98SE198	-116.3063	41.0676	< 4	16	124	123	72
98SE199	-116.3102	41.0631	< 4	17	162	158	62
98SE200	-116.3109	41.061	< 4	17	141	139	64
98SE201	-116.3189	41.0639	< 4	17	164	162	63
98SE202	-116.3237	41.0608	< 4	18	73	70.4	64
98SE203	-116.3304	41.0622	< 4	15	178	194	61
98SE204	-116.3486	41.0511	< 4	17	64	52.2	78
98SE205	-116.346	41.0511	< 4	19	59	52.6	81
98SE206	-116.3527	41.0464	< 4	22	65	63.3	80
98SE207	-116.3544	41.0373	< 4	21	264	314	64
98SE208	-116.3597	41.0366	< 4	17	145	143	74
98SE209	-116.3697	41.0294	< 4	18	293	315	69
98SE210	-116.3686	41.0338	< 4	20	95	93.5	81
98SE211	-116.3724	41.0456	< 4	19	152	140	79
98SE212	-116.3736	41.0367	< 4	21	57	50.3	71
98SE213	-116.3378	41.0692	< 4	17	171	184	60
98SE214	-116.3357	41.0756	< 4	21	67	58.3	77
98SE215	-116.3288	41.0771	N.d.	N.d.	N.d.	194	N.d.
98SE216	-116.3262	41.0786	< 4	24	189	203	87
98SE217	-116.3246	41.0761	< 4	18	198	196	70
98SE218	-116.3225	41.0744	< 4	20	128	128	74
98SE219	-116.3187	41.0762	< 4	19	243	249	64
98SE220	-116.3149	41.0793	< 4	13	118	129	57
98SE221	-116.3124	41.0799	< 4	15	259	275	61
98SE222	-116.3414	41.0701	< 4	22	236	263	77
98SE223	-116.3449	41.0745	< 4	16	208	216	68
98SE224	-116.3494	41.0731	< 4	21	231	240	78
98SE225	-116.3701	41.0585	< 4	21	99	84.7	78
98SE226	-116.3698	41.0621	< 4	22	113	102	81
98SE227	-116.3722	41.0645	< 4	20	90	79.2	76
98SE228	-116.372	41.0137	< 4	18	104	99.5	75
98SE229	-116.3696	41.0127	< 4	18	82	70.6	80
98SE230	-116.3468	41.0144	< 4	20	134	125	85
98SE231	-116.3433	41.0122	4	23	141	136	80
98SE232	-116.34	41.0154	< 4	19	331	362	70
98SE233	-116.3387	41.0217	< 4	20	167	170	84
98SE234	-116.3346	41.022	< 4	16	157	162	66
98SE235	-116.326	41.0253	< 4	18	205	220	73
98SE236	-116.3265	41.028	< 4	18	191	196	70
98SE237	-116.3512	41.0116	< 4	16	184	191	64
98SE238	-116.3528	41.0149	< 4	18	83	72.9	82
98SE239	-116.356	41.0215	< 4	18	160	162	75
98SE240	-116.3598	41.0237	< 4	21	81	79	74
98SE241	-116.366	41.0166	< 4	19	122	119	85

Table 7—cont'd.

Sample no.	longitude	latitude	Acme W ppm	Acme Y ppm	Acme Zn ppm	USML Zn ppm	Acme Zr ppm
98SE242	-116.3679	41.018	< 4	18	65	56.8	78
98SE243	-116.3414	41.0011	< 4	20	240	243	75
98SE244	-116.2546	41.0325	< 4	24	560	606	70
98SE245	-116.2555	41.0427	< 4	17	213	229	57
98SE246	-116.2566	41.0483	< 4	13	111	120	48
98SE247	-116.258	41.0522	< 4	20	222	235	55
98SE248	-116.2616	41.0519	< 4	22	342	388	59
98SE249	-116.2641	41.0594	< 4	18	230	246	61
98SE250	-116.2661	41.0561	< 4	16	247	275	70
98SE251	-116.2675	41.0972	< 4	17	290	308	69
98SE252	-116.2646	41.1003	< 4	18	220	242	71
98SE253	-116.2649	41.1045	< 4	17	224	246	61
98SE254	-116.2736	41.0953	< 4	19	301	368	72
98SE255	-116.2721	41.0938	< 4	19	196	213	71
98TT39	-116.2651	41.0027	< 4	24	400	444	72
98TT40	-116.274	41.0041	< 4	20	312	364	64
98TT41	-116.2784	41.0089	< 4	22	478	545	59
98TT42	-116.2847	41.014	< 4	24	404	472	71
98TT43	-116.2901	41.0163	< 4	27	459	524	76
98TT44	-116.2942	41.0159	< 4	26	396	263	76
98TT45	-116.2925	41.0137	< 4	25	550	671	73
98TT46	-116.2546	41.0047	< 4	21	299	354	73
98TT47	-116.2514	41.0092	< 4	16	213	441	58
98TT48	-116.2544	41.0241	N.d.	N.d.	N.d.	478	N.d.
98TT49	-116.2559	41.0228	< 4	22	383	453	64
98TT50	-116.2907	41.0466	N.d.	N.d.	N.d.	228	N.d.
98TT51	-116.2958	41.0451	N.d.	N.d.	N.d.	175	N.d.
98TT52	-116.2972	41.031	N.d.	N.d.	N.d.	193	N.d.
98TT53	-116.3024	41.0298	N.d.	N.d.	N.d.	472	N.d.
98TT54	-116.281	41.0332	< 4	20	164	174	75
98TT55	-116.281	41.0314	4	67	512	513	79
98TT56	-116.2733	41.0294	N.d.	N.d.	N.d.	5068	N.d.
98TT57	-116.2717	41.0278	< 4	31	1126	1229	75
98TT58	-116.2697	41.0351	< 4	18	396	395	60
98TT59	-116.2724	41.0344	< 4	22	657	735	55
98TT60	-116.2718	41.0766	N.d.	N.d.	N.d.	51.6	N.d.
98TT61	-116.2665	41.0724	< 4	17	175	187	72
98TT62	-116.2651	41.0693	< 4	21	369	427	63
98TT63	-116.2694	41.0693	N.d.	N.d.	N.d.	174	N.d.
98TT64	-116.2703	41.0675	< 4	15	120	128	75
98TT65	-116.3256	41.0015	< 4	21	408	462	72
98TT66	-116.3294	41.0024	< 4	21	364	378	78
98TT67	-116.3229	41.016	< 4	26	946	1093	78
98TT68	-116.3227	41.0175	< 4	18	225	246	70
98TT69	-116.3177	41.0202	N.d.	N.d.	N.d.	301	N.d.

Table 8—Comparison of raw analytical data, logarithms (base 10) of raw analytical data, and normalized values (see text) for Ag, Al, As, Au and Ba contents in 10 select samples of stream-sediment samples from the Santa Renia Fields and Beaver Peak quadrangles, Nev.

Sample no.	USML Ag ppm	Acme Al weight %	USML As ppm	USML Au ppm	Acme Ba ppm
Analytical data (from table 2)					
98VB053	0.034	6.82	2.55	0.0008	852
98VB054	0.044	6.71	3.13	0.0007	858
98VB055	0.056	6.91	4.2	0.001	882
98VB056	0.048	6.97	3.54	0.001	853
98VB057	0.078	5.92	4.48	0.0007	765
98VB058	0.051	6.87	3.78	0.001	842
98VB059	0.056	6.53	3.45	0.001	889
98VB060	0.06	7.27	3.93	0.001	906
98VB061	0.088	6.96	4.67	0.002	1026
98VB062	0.09	6.64	6.33	0.001	1153
Logarithms (base 10)					
98VB053	-1.469	0.834	0.407	-3.097	2.93
98VB054	-1.357	0.827	0.496	-3.155	2.933
98VB055	-1.252	0.839	0.623	-3.	2.945
98VB056	-1.319	0.843	0.549	-3.	2.931
98VB057	-1.108	0.772	0.651	-3.155	2.884
98VB058	-1.292	0.837	0.577	-3.	2.925
98VB059	-1.252	0.815	0.538	-3.	2.949
98VB060	-1.222	0.862	0.594	-3.	2.957
98VB061	-1.056	0.843	0.669	-2.699	3.011
98VB062	-1.046	0.822	0.801	-3.	3.062
Normalized data (see text)					
98VB053	-1.900	0.69	-2.17	-1.439	-0.904
98VB054	-1.545	0.596	-1.767	-1.555	-0.89
98VB055	-1.212	0.766	-1.189	-1.244	-0.836
98VB056	-1.425	0.816	-1.525	-1.244	-0.902
98VB057	-0.755	-0.129	-1.062	-1.555	-1.114
98VB058	-1.341	0.733	-1.396	-1.244	-0.927
98VB059	-1.212	0.439	-1.575	-1.244	-0.821
98VB060	-1.117	1.06	-1.319	-1.244	-0.784
98VB061	-0.589	0.808	-0.98	-0.641	-0.542
98VB062	-0.558	0.536	-0.383	-1.244	-0.315

Table 9—Descriptive statistics of elements analyzed in stream-sediments from the Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles, Nev.
[USML, analyses by USML Laboratories, Auburn, Calif., using partial digestion methods (see text); Acme, analyses by Acme Analytical Laboratories, Vancouver, B.C., using total digestion methods (see text); st. dev., standard deviation; st. err., standard error]

Raw analytical data

	Ag	Al	As	As	Au	Ba	Bi	Ca	Cd
Lab	USML	Acme	Acme	USML	USML	Acme	USML	Acme	Acme
Mean	0.183	6.14	9.233	8.91	0.0080	1585	0.33	1.20	0.9
St.dev.	0.175	0.96	6.958	6.25	0.0120	1084	0.11	0.55	1.6
St.err.	0.009	0.05	0.336	0.30	0.0010	52	0.01	0.03	0.1
Minimum	0.026	3.19	2.5	1.33	0.0002	508	0.15	0.25	0.2
Maximum	1.040	7.87	57	53.90	0.1360	7579	1.75	9.70	14.6
Count	421	429	429	421	421	429	421	429	429

	Cd	Ce	Co	Cr	Cu	Cu	Fe	Ga	Hg
Lab	USML	Acme	Acme	Acme	Acme	USML	Acme	Acme	USML
Mean	1.538	71	11	345	35	32.48	3.07	16	0.0640
St.dev.	8.698	27	4	181	21	21.17	0.80	2	0.0690
St.Err.	0.424	1	0	9	1	1.03	0.04	0	0.0030
Minimum	0.114	29	4	81	11	7.51	1.84	8	0.0003
Maximum	177.000	208	31	1241	228	212.00	12.09	24	0.4150
Count	421	429	429	429	429	421	421	429	421

	K	La	Li	Mg	Mn	Mo	Mo	Na	Nb
Lab	Acme	Acme	Acme	Acme	USML	Acme	USML	Acme	Acme
Mean	1.94	38	29	0.61	734	10	8.42	1.09	12
St.dev.	0.30	12	5	0.14	313	5	5.74	0.41	7
St.err.	0.01	1	0	0.01	15	0	0.28	0.02	0
Minimum	0.92	17	14	0.29	262	3	1.67	0.13	3
Maximum	3.31	96	42	1.32	3480	30	39.60	1.96	44
Count	429	429	429	429	421	429	421	429	429

	Ni	P	Pb	Pb	Rb	Sb	Sb	Sc	Se
Lab	Acme	Acme	Acme	USML	Acme	Acme	USML	Acme	USML
Mean	37	0.081	21	12.59	103	2.876	2.074	6	0.6900
St.dev.	27	0.041	6	3.88	21	1.579	1.749	1	0.9830
St.err.	1	0.002	0	0.19	1	0.076	0.085	0	0.0480
Minimum	8	0.028	9	6.22	44	2.5	0.239	3	0.0005
Maximum	223	0.343	51	39.80	281	19	15.600	9	5.6300
Count	429	429	429	421	429	429	421	429	421

	Sn	Sr	Te	Th	Ti	Tl	V	W	Y
Lab	Acme	Acme	USML	Acme	Acme	USML	Acme	Acme	Acme
Mean	2	232	0.172	11	0.39	0.489	127	2	22
St.dev.	2	65	0.141	3	0.16	0.136	65	1	7
St.err.	0	3	0.007	0	0.01	0.007	3	0	0
Minimum	1	76	0.002	3	0.18	0.118	25	2	11
Maximum	28	441	1.200	28	1.36	1.090	558	24	67
Count	429	429	421	429	429	421	429	429	429

	Zn	Zn	Zr
Lab	Acme	USML	Acme
Mean	132	138	96
St.dev.	107	273	33
St.err.	5	13	2
Minimum	44	32	41
Maximum	1126	5068	322
Count	429	421	429

Table 9—cont'd.

Logarithmic data (base 10)

	Ag	Al	As	As	Au	Ba	Bi	Ca	Cd
Lab	USML	Acme	Acme	USML	USML	Acme	USML	Acme	Acme
Mean	-0.87	0.782	0.881	0.886	-2.379	3.132	-0.495	0.05	-0.322
St.dev.	0.315	0.075	0.265	0.221	0.499	0.223	0.111	0.165	0.448
St.err.	0.015	0.004	0.013	0.011	0.024	0.011	0.005	0.008	0.022
Minimum	-1.585	0.504	0.398	0.124	-3.699	2.706	-0.824	-0.602	-0.699
Maximum	0.017	0.896	1.756	1.732	-0.866	3.880	0.243	0.987	1.164
Count	421	429	429	421	421	429	421	429	429

	Cd	Ce	Co	Cr	Cu	Cu	Fe	Ga	Hg
Lab	USML	Acme	Acme	Acme	Acme	USML	Acme	Acme	USML
Mean	-0.148	1.824	1.025	2.486	1.500	1.445	0.478	1.202	-1.57
St.dev.	0.41	0.154	0.124	0.21	0.198	0.233	0.084	0.067	0.784
St.err.	0.02	0.007	0.006	0.01	0.010	0.011	0.004	0.003	0.038
Minimum	-0.943	1.462	0.602	1.908	1.041	0.876	0.265	0.903	-3.602
Maximum	2.248	2.318	1.491	3.094	2.358	2.326	1.082	1.380	-0.382
Count	421	429	429	429	429	421	421	429	421

	K	La	Li	Mg	Mn	Mo	Mo	Na	Nb
Lab	Acme	Acme	Acme	Acme	USML	Acme	USML	Acme	Acme
Mean	0.282	1.57	1.455	-0.222	2.838	0.952	0.839	-0.008	1.034
St.dev.	0.067	0.13	0.073	0.092	0.149	0.188	0.271	0.215	0.229
St.err.	0.003	0.01	0.004	0.004	0.007	0.009	0.013	0.01	0.011
Minimum	-0.036	1.23	1.146	-0.538	2.418	0.477	0.223	-0.886	0.477
Maximum	0.52	1.98	1.623	0.121	3.542	1.477	1.598	0.292	1.647
Count	429	429	429	429	421	429	421	429	429

	Ni	P	Pb	Pb	Rb	Sb	Sb	Sc	Se
Lab	Acme	Acme	Acme	USML	Acme	Acme	USML	Acme	USML
Mean	1.488	-1.135	1.299	1.084	2.004	0.432	0.225	0.780	-1.029
St.dev.	0.247	0.182	0.115	0.111	0.087	0.125	0.268	0.067	1.359
St.err.	0.012	0.009	0.006	0.005	0.004	0.006	0.013	0.003	0.066
Minimum	0.903	-1.553	0.954	0.794	1.643	0.398	-0.622	0.477	-3.347
Maximum	2.348	-0.465	1.708	1.600	2.449	1.279	1.193	0.954	0.751
Count	429	429	429	421	429	429	421	429	421

	Sn	Sr	Te	Th	Ti	Tl	V	W	Y
Lab	Acme	Acme	USML	Acme	Acme	USML	Acme	Acme	Acme
Mean	0.249	2.345	-0.925	1.001	-0.434	-0.327	2.061	0.316	1.331
St.dev.	0.24	0.141	0.469	0.145	0.147	0.123	0.182	0.092	0.116
St.err.	0.012	0.007	0.023	0.007	0.007	0.006	0.009	0.004	0.006
Minimum	0	1.881	-2.699	0.477	-0.745	-0.928	1.398	0.301	1.041
Maximum	1.447	2.644	0.079	1.447	0.134	0.037	2.747	1.380	1.826
Count	429	429	421	429	429	421	429	429	429

	Zn	Zn	Zr
Lab	Acme	USML	Acme
Mean	2.043	1.983	1.960
St.dev.	0.229	0.304	0.129
St.err.	0.011	0.015	0.006
Minimum	1.643	1.505	1.613
Maximum	3.052	3.705	2.508
Count	429	421	429

Table 9—cont'd.

Normalized data (see text)

	Ag	Al	As	As	Au	Ba	Bi	Ca	Cd
Lab	USML	Acme	Acme	USML	USML	Acme	USML	Acme	Acme
Mean	4.41E-04	-3.27E-04	-3.54E-04	-0.001	-4.43E-04	0.002	0.003	-3.70E-04	3.45E-04
St. dev.	1.001	0.997	1	0.999	0.999	0.998	1.002	1.003	1.001
St. err.	0.049	0.048	0.048	0.049	0.049	0.048	0.049	0.048	0.048
Minimum	-2.27	-3.709	-1.823	-3.449	-2.645	-1.911	-2.963	-3.952	-0.841
Maximum	2.816	1.52	3.301	3.826	3.031	3.353	6.649	5.677	3.318
Count	421	429	429	421	421	429	421	429	429

	Cd	Ce	Co	Cr	Cu	Cu	Fe	Ga	Hg
Lab	USML	Acme	Acme	Acme	Acme	USML	Acme	Acme	USML
Mean	-0.001	-0.003	0.004	0.001	0.001	-2.39E-04	-0.005	-0.004	-4.20E-04
St. dev.	0.999	0.998	0.996	1.002	1.001	0.998	0.998	1	1
St. err.	0.049	0.048	0.048	0.048	0.048	0.049	0.049	0.048	0.049
Minimum	-1.939	-2.348	-3.411	-2.75	-2.316	-2.444	-2.538	-4.461	-2.592
Maximum	5.844	3.208	3.761	2.894	4.333	3.783	7.196	2.66	1.515
Count	421	429	429	429	429	421	421	429	421

	K	La	Li	Mg	Mn	Mo	Mo	Na	Nb
Lab	Acme	Acme	Acme	Acme	USML	Acme	USML	Acme	Acme
Mean	-0.001	0.003	0.004	-0.002	-0.001	0.002	0.001	-0.073	0.001
St. dev.	0.994	1.002	1.004	1.001	1	0.999	1	1.002	1
St. err.	0.048	0.048	0.048	0.048	0.049	0.048	0.049	0.048	0.048
Minimum	-4.749	-2.573	-4.231	-3.43	-2.817	-2.526	-2.274	-4.158	-2.432
Maximum	3.55	3.21	2.305	3.724	4.722	2.793	2.8	1.322	2.679
Count	429	429	429	429	421	429	421	429	429

	Ni	P	Pb	Pb	Rb	Sb	Sb	Sc	Se
Lab	Acme	Acme	Acme	USML	Acme	Acme	USML	Acme	USML
Mean	0.001	-0.002	-0.003	0.002	0.001	-4.66E-04	0.001	0.002	-7.01E-05
St. dev.	1.001	1	0.999	1.002	0.997	0.998	1	1	1
St. err.	0.048	0.048	0.048	0.049	0.048	0.048	0.049	0.048	0.049
Minimum	-2.368	-2.296	-2.998	-2.615	-4.144	-0.272	-3.159	-4.521	-1.706
Maximum	3.483	3.683	3.553	4.648	5.112	6.774	3.612	2.601	1.309
Count	429	429	429	421	429	429	421	429	421

	Sn	Sr	Te	Th	Ti	Tl	V	W	Y
Lab	Acme	Acme	USML	Acme	Acme	USML	Acme	Acme	Acme
Mean	0.002	-0.002	-0.001	0.002	0.002	-0.003	0.001	-0.002	0.002
St. dev.	0.999	1.003	1.001	0.999	1.003	0.999	1	1.002	0.997
St. err.	0.048	0.048	0.049	0.048	0.048	0.049	0.048	0.048	0.048
Minimum	-1.038	-3.292	-3.782	-3.613	-2.114	-4.887	-3.643	-0.163	-2.497
Maximum	4.992	2.124	2.141	3.077	3.861	2.963	3.767	11.568	4.268
Count	429	429	421	429	429	421	429	429	429

	Zn	Zn	Zr
Lab	Acme	USML	Acme
Mean	3.67E-04	-0.001	-0.001
St. dev.	1.001	1	0.998
St. err.	0.048	0.049	0.048
Minimum	-1.745	-1.572	-2.692
Maximum	4.404	5.664	4.247
Count	429	421	429

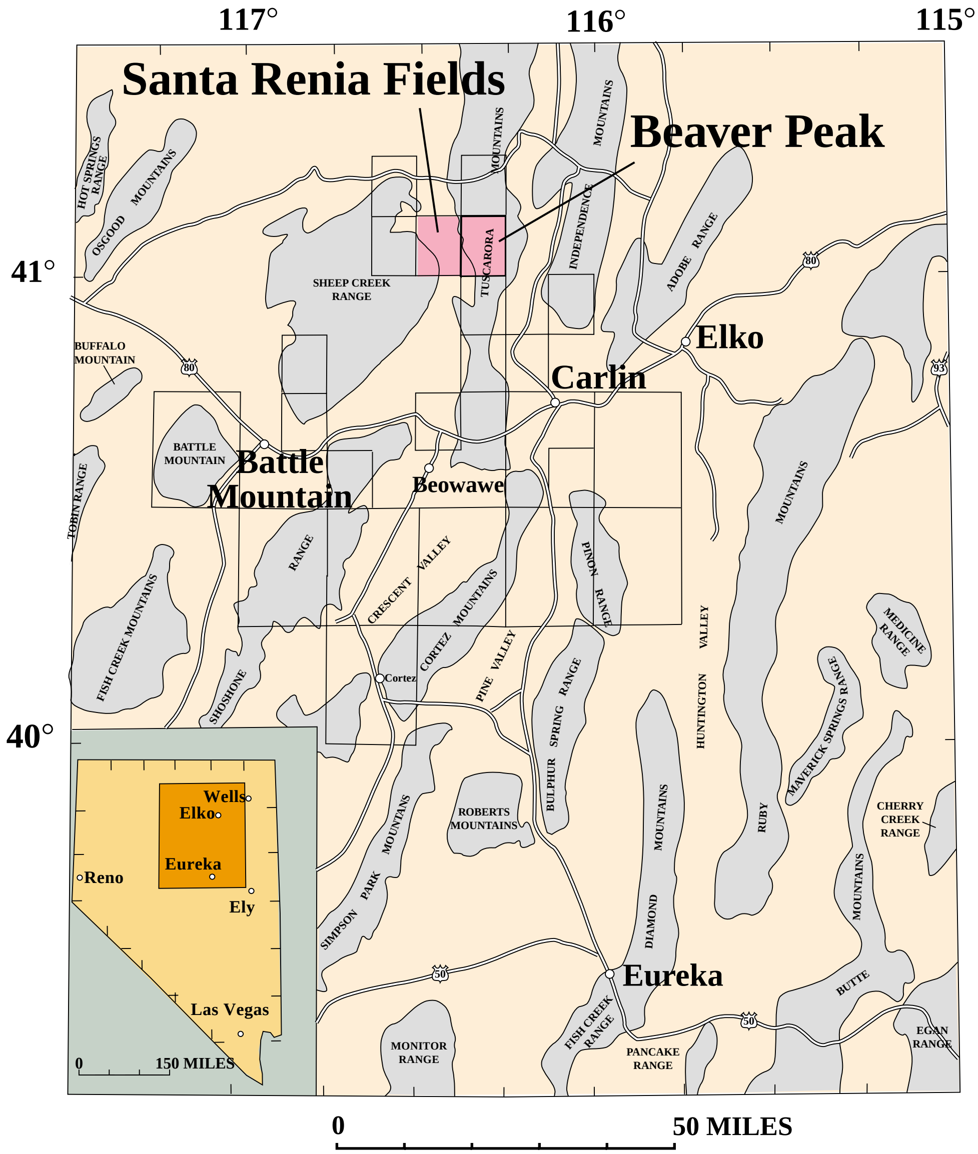

Figure 1—Index map of north-central Nevada showing locations of Santa Renia Fields and Beaver Peak 7–1/2 minute quadrangles. Outline of other nearby quadrangles also shown.

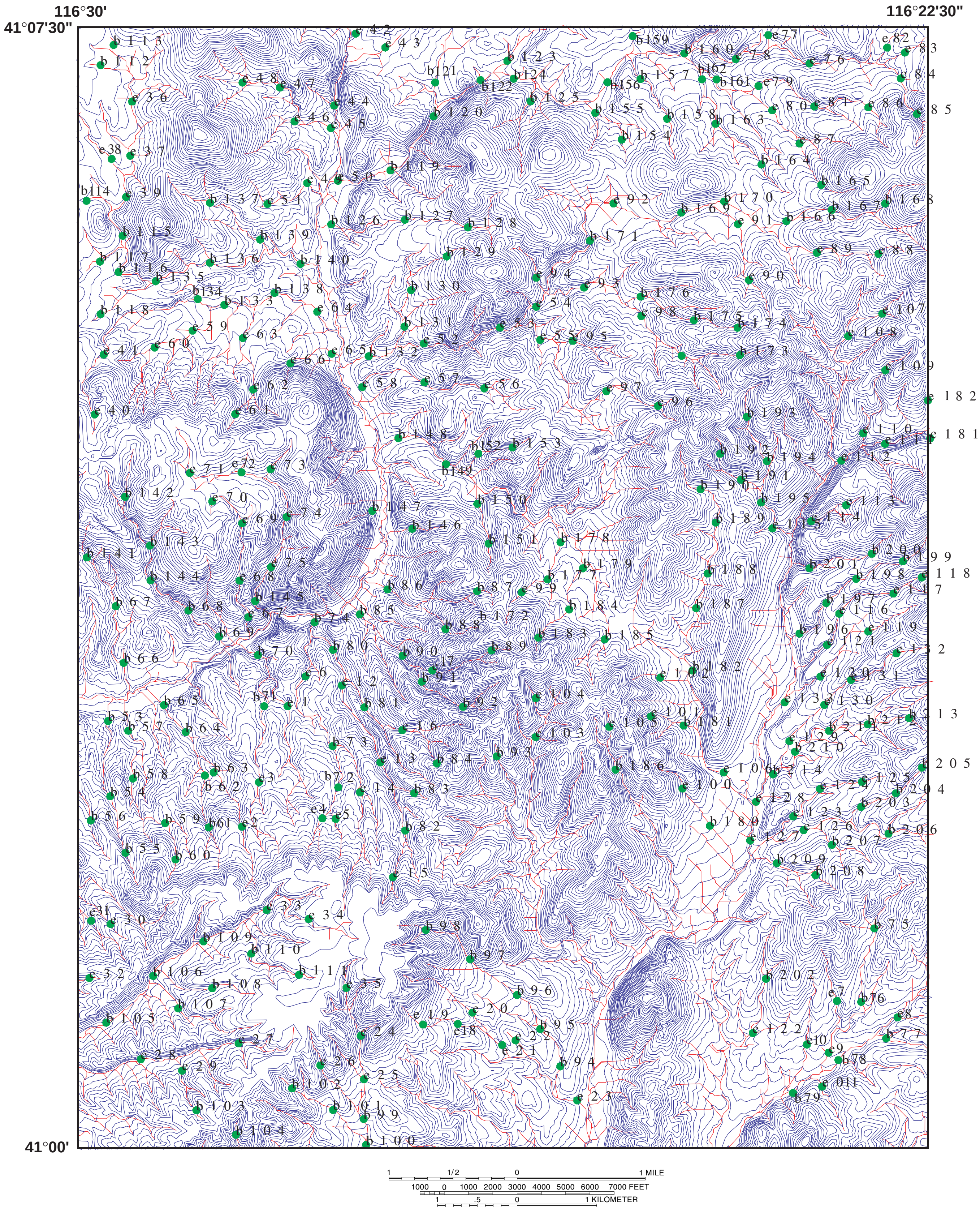

Figure 2—Topographic map of the Santa Renia Fields 7–1/2 minute quadrangle showing stream-sediment sample locations. Locality numbers prefixed by "b" are same as sample numbers 98VB... tables 2–7; those prefixed by "e" same as sample numbers 98SE... tables 2–7. Digital topographic base by Geologic Data Systems, Denver, Colo., from U.S. Geological Survey 7–1/2 minute topographic series, Santa Renia Fields, 1970.

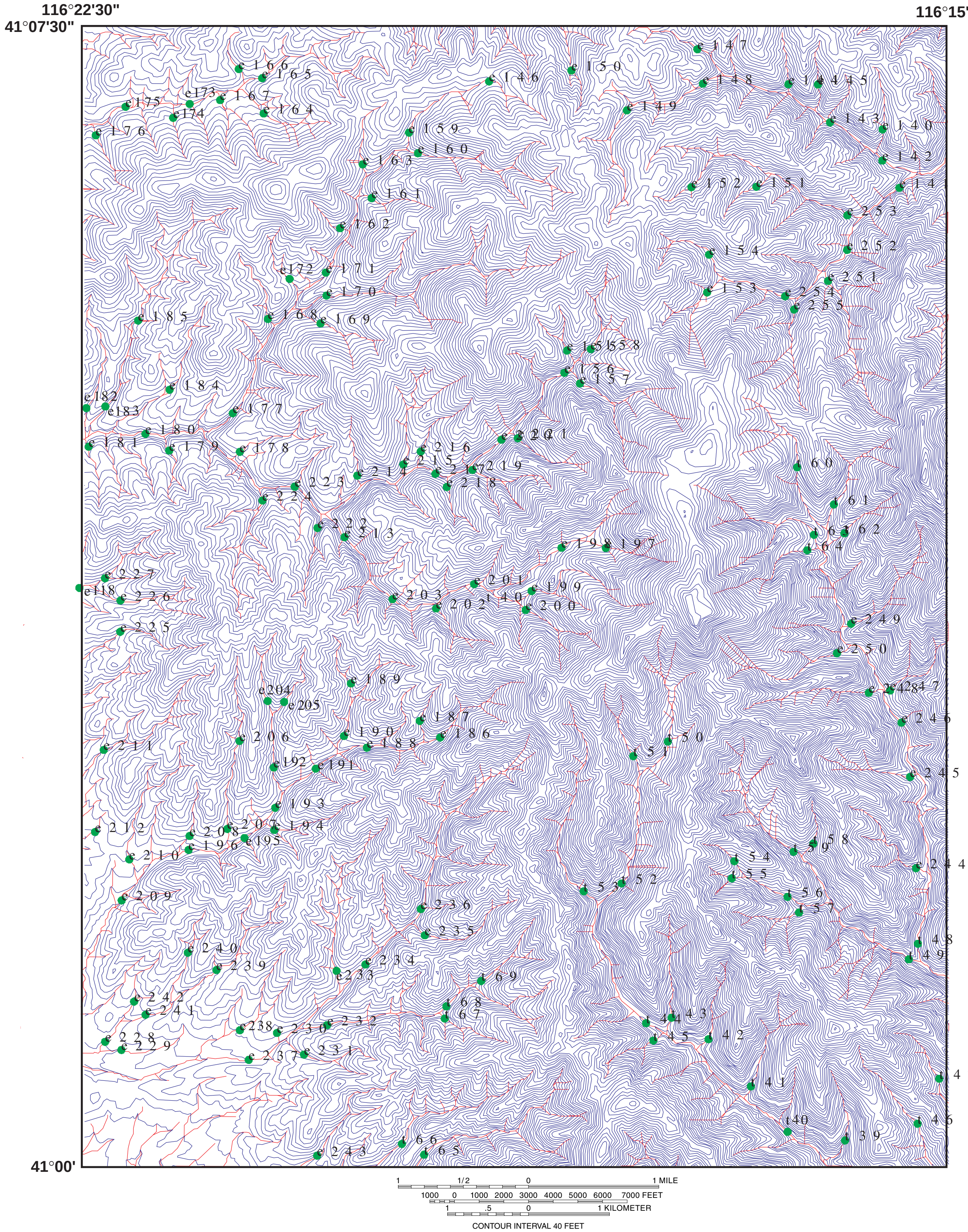

Figure 3—Topographic map of the Beaver Peak 7–1/2 minute quadrangle showing stream-sediment sample locations. Locality numbers prefixed by "t" are same as sample numbers 98TT... tables 2–7; those prefixed by "e" same as sample numbers 98SE... tables 2–7. Digital topographic base by Geologic Data Systems, Denver, Colo., from U.S. Geological Survey 7–1/2 minute topographic series, Beaver Peak, 1970.

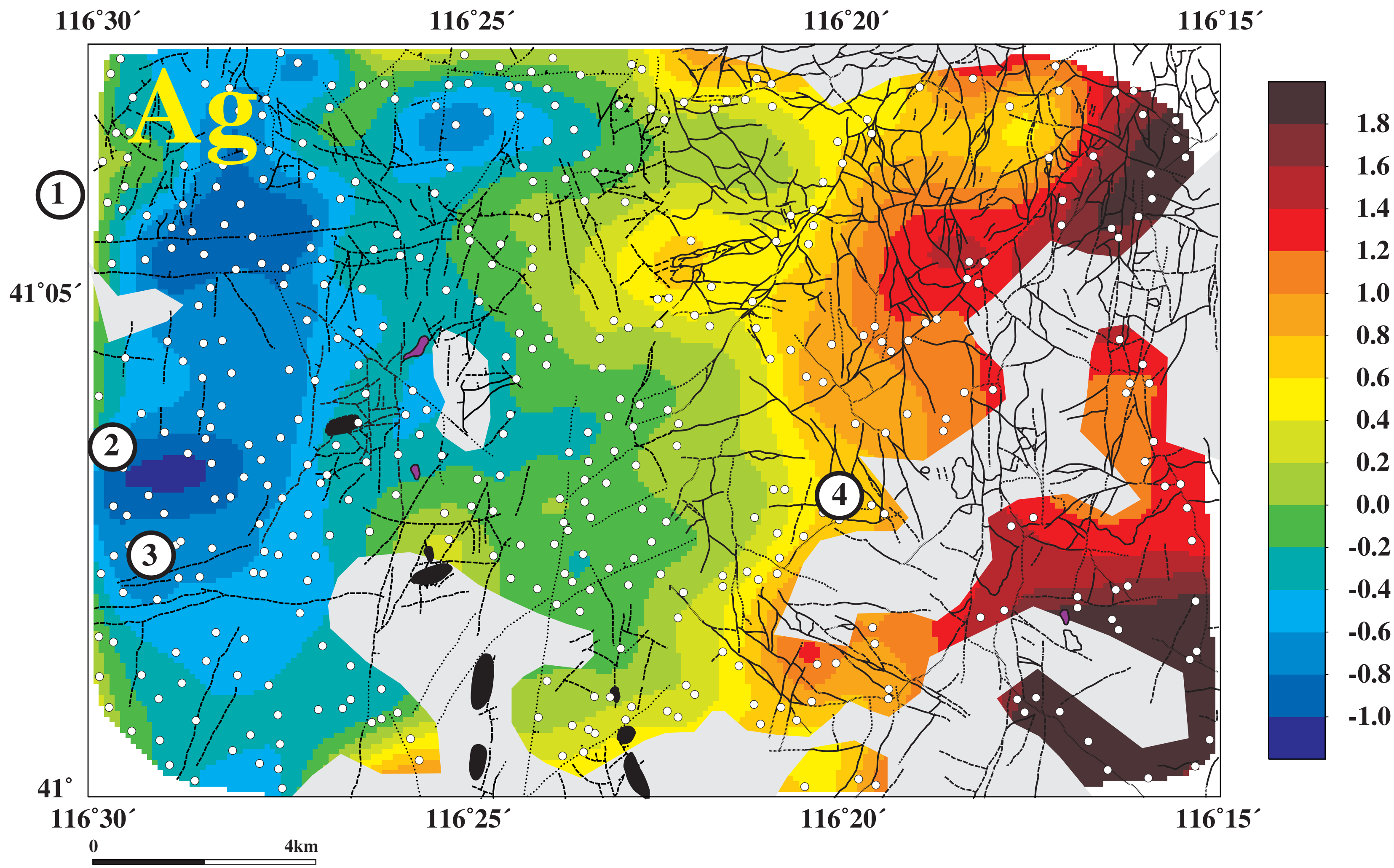

Figure 4—Distribution of silver (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

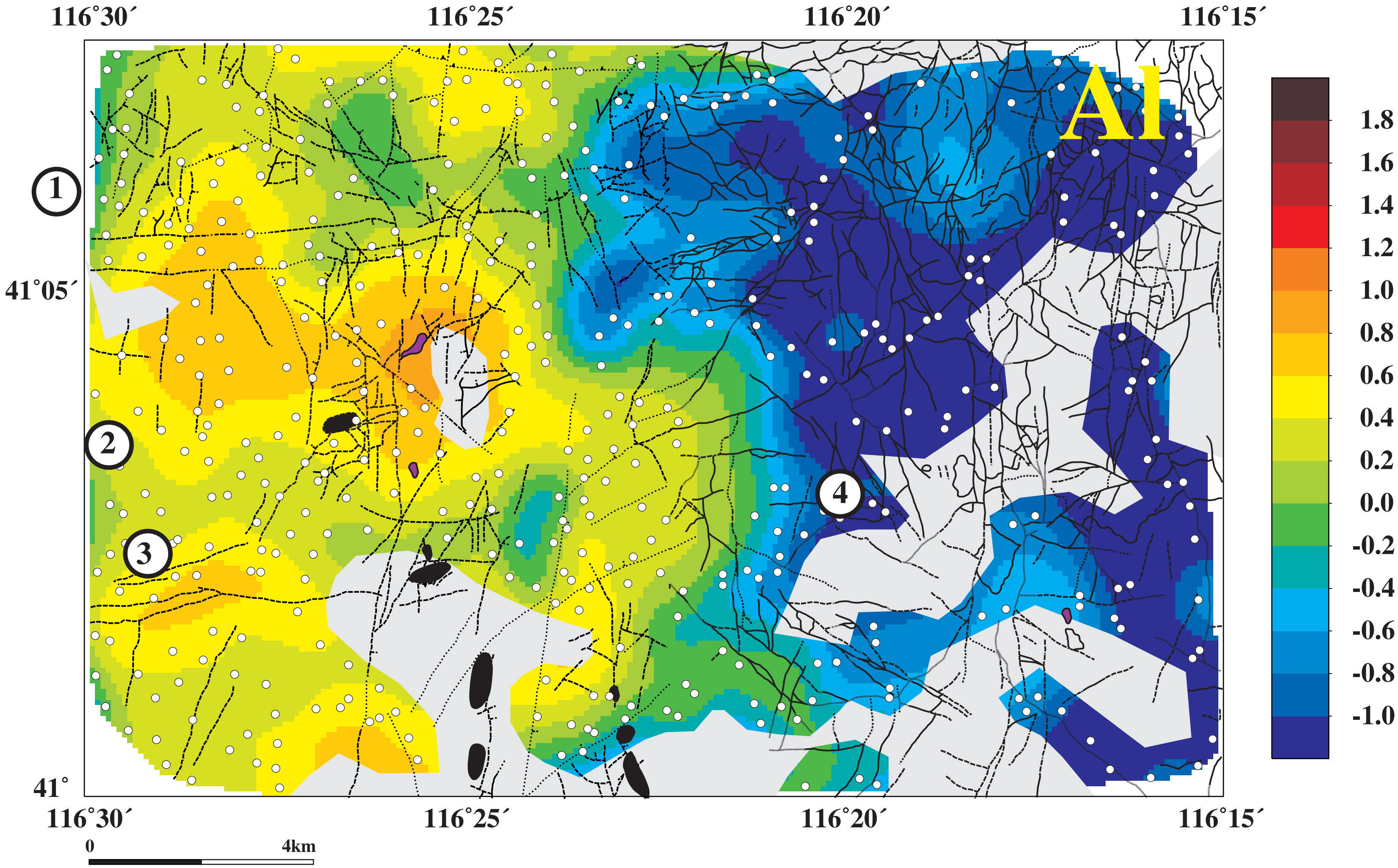

Figure 5—Distribution of aluminum (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projections of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

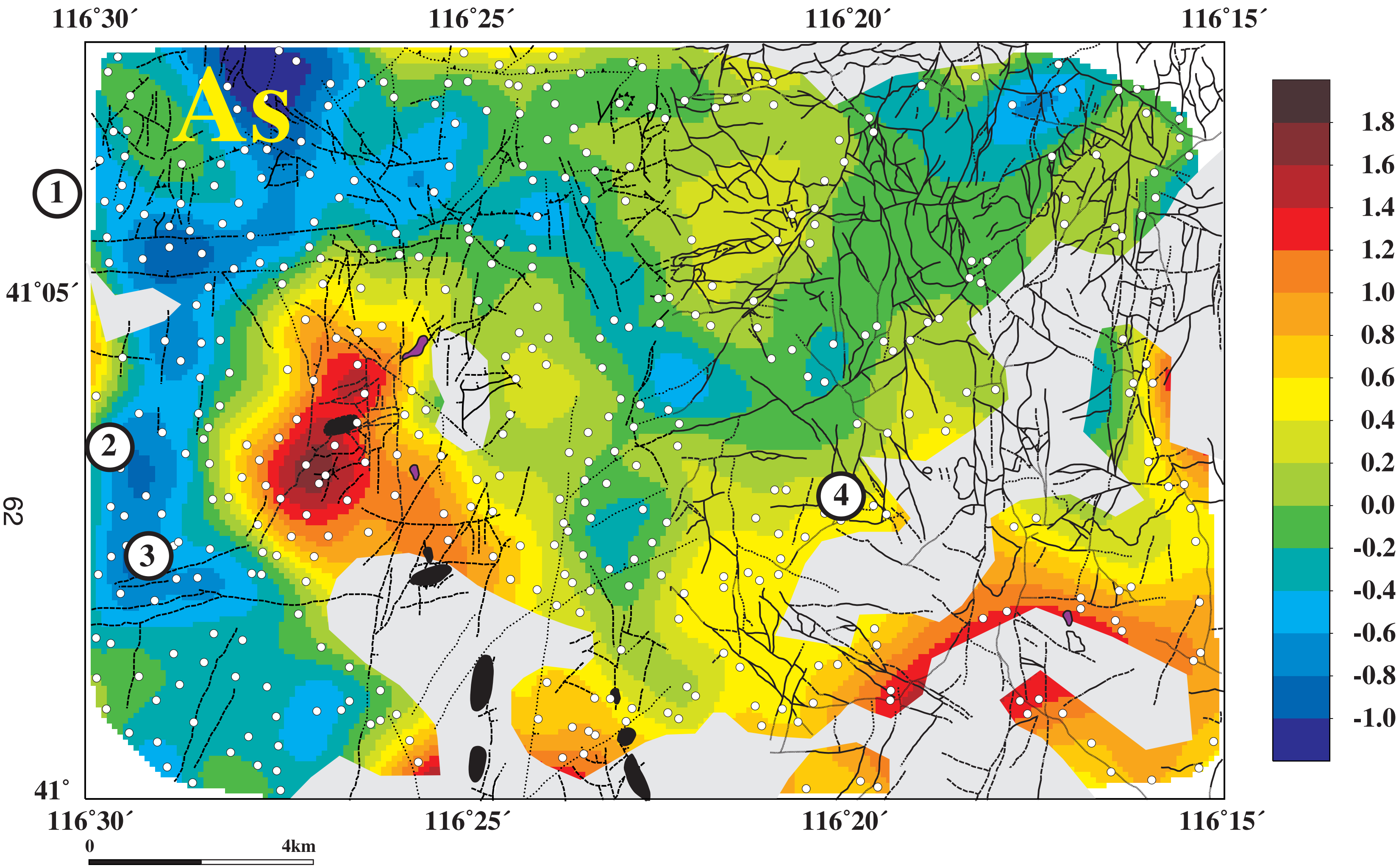

Figure 6—Distribution of arsenic (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projections of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

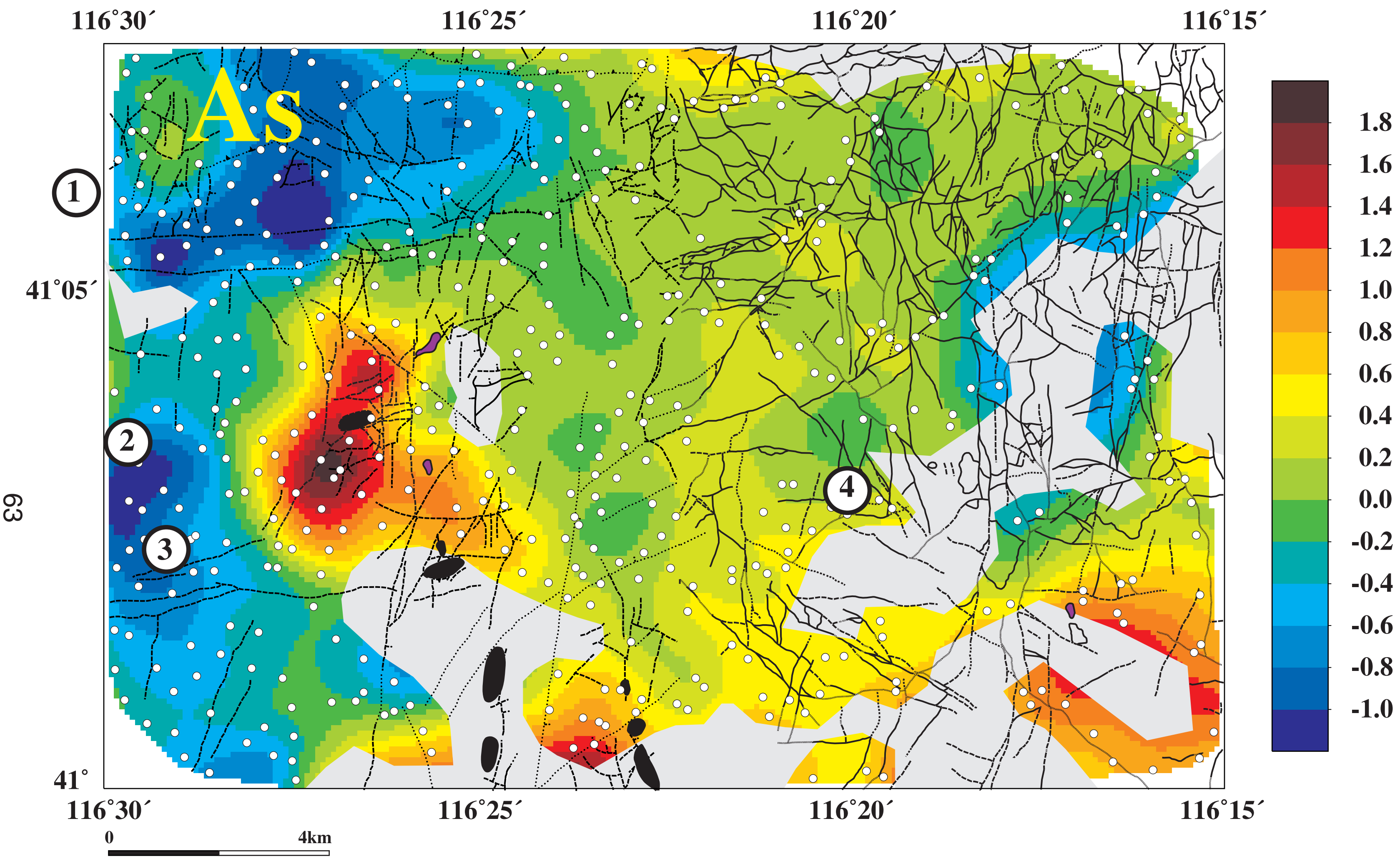

Figure 7—Distribution of arsenic (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

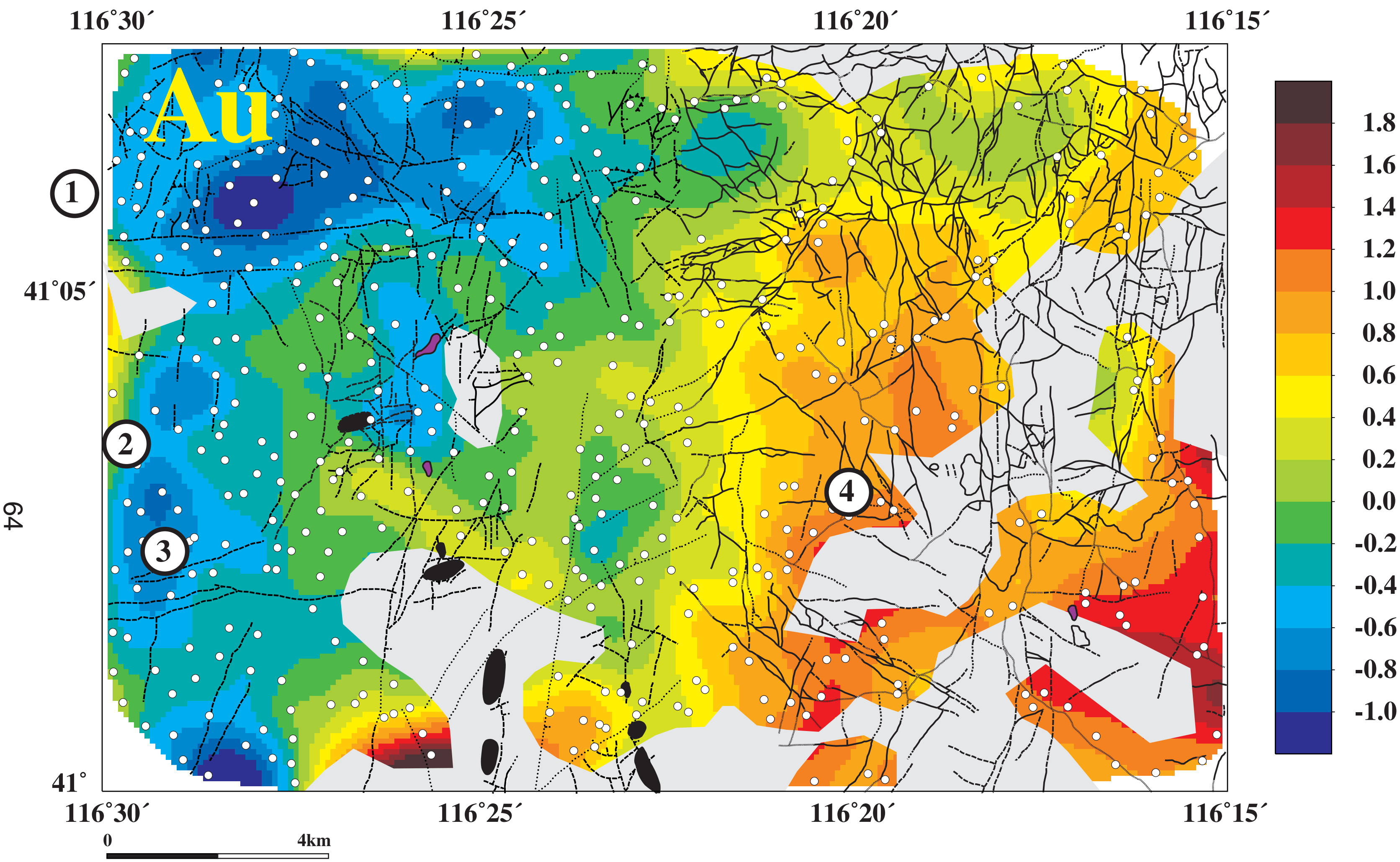

Figure 8—Distribution of gold (graphite furnace atomic absorption, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

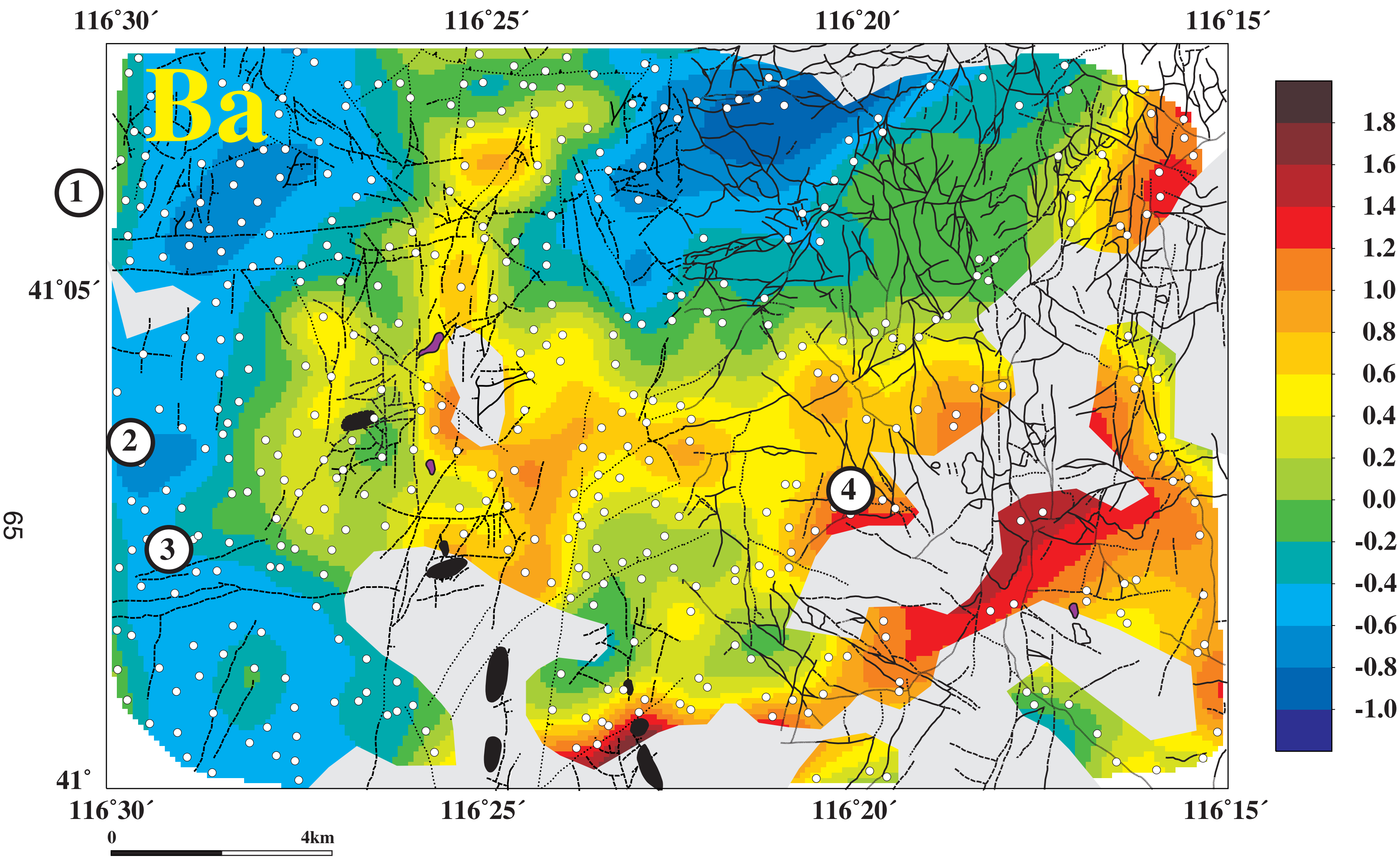

Figure 9—Distribution of barium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

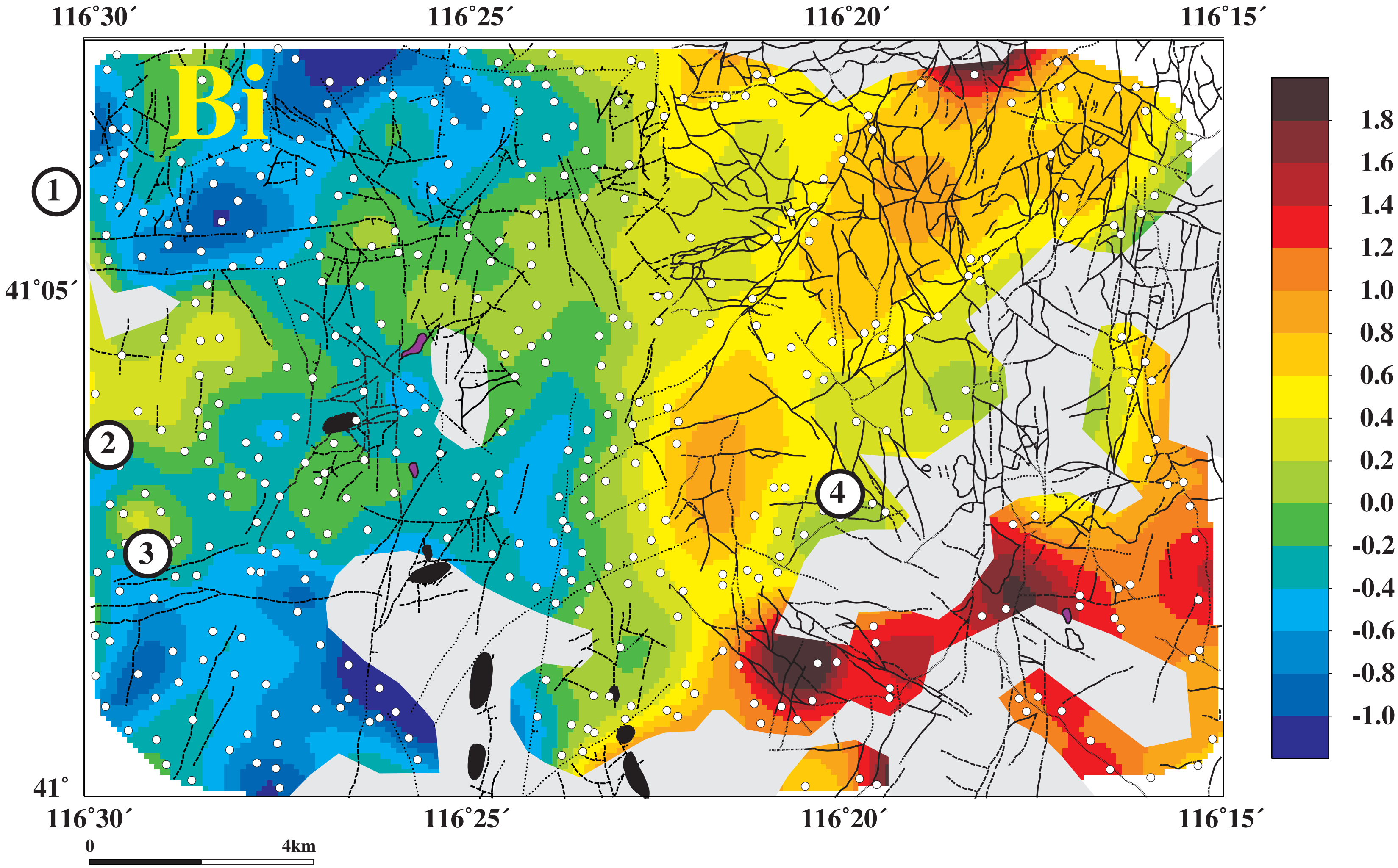

Figure 10—Distribution of bismuth (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

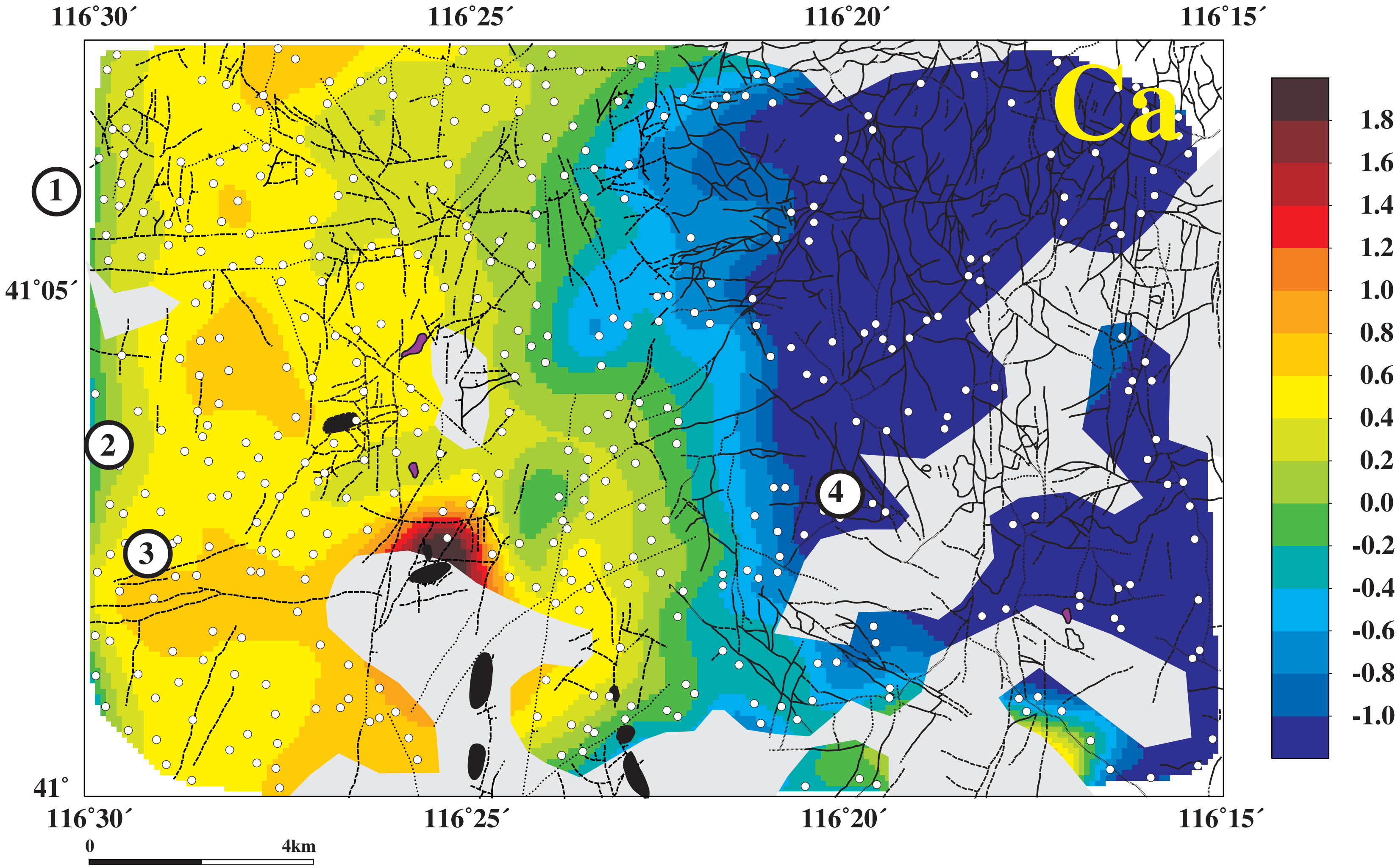

Figure 11—Distribution of calcium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

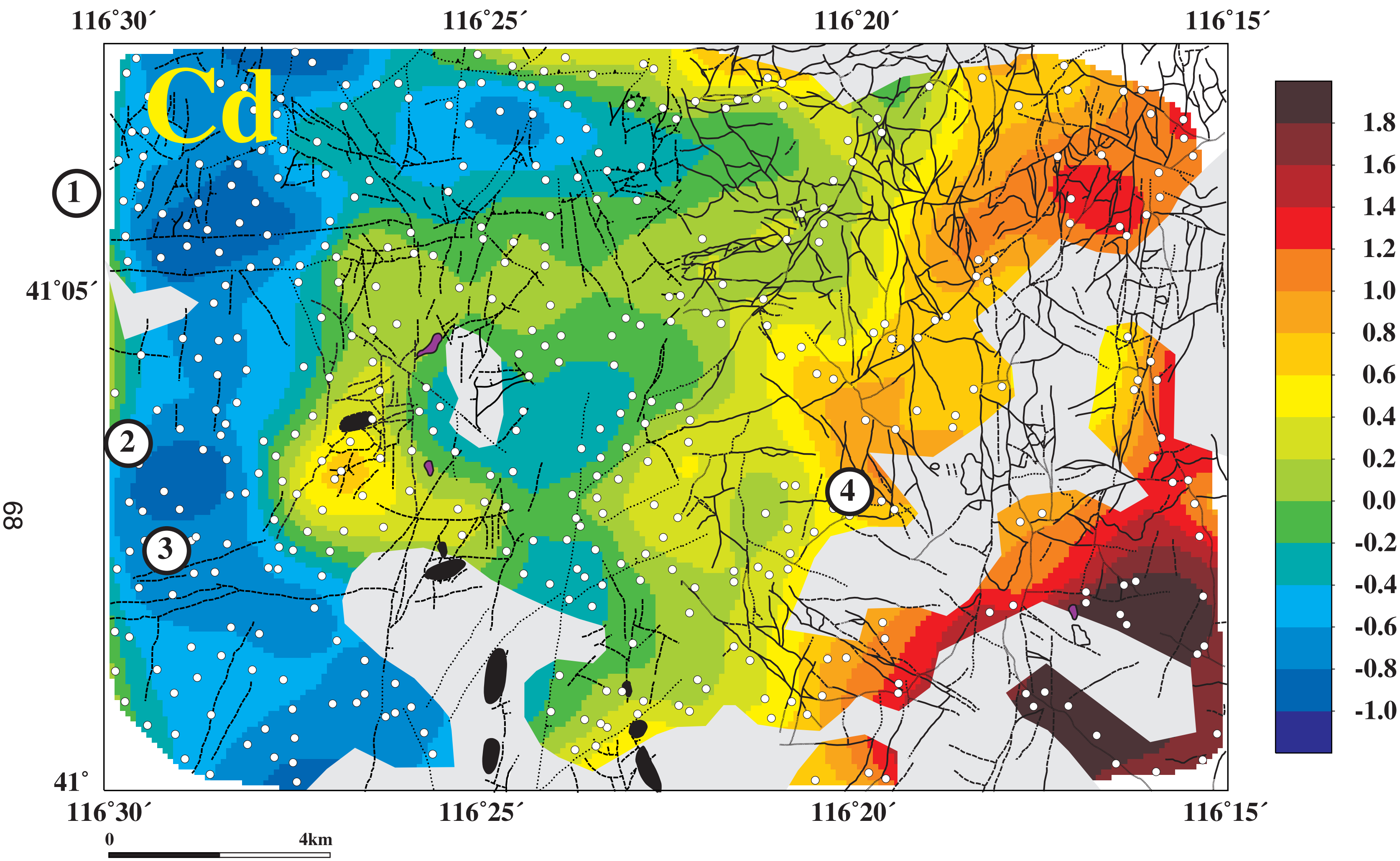

Figure 12—Distribution of cadmium (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

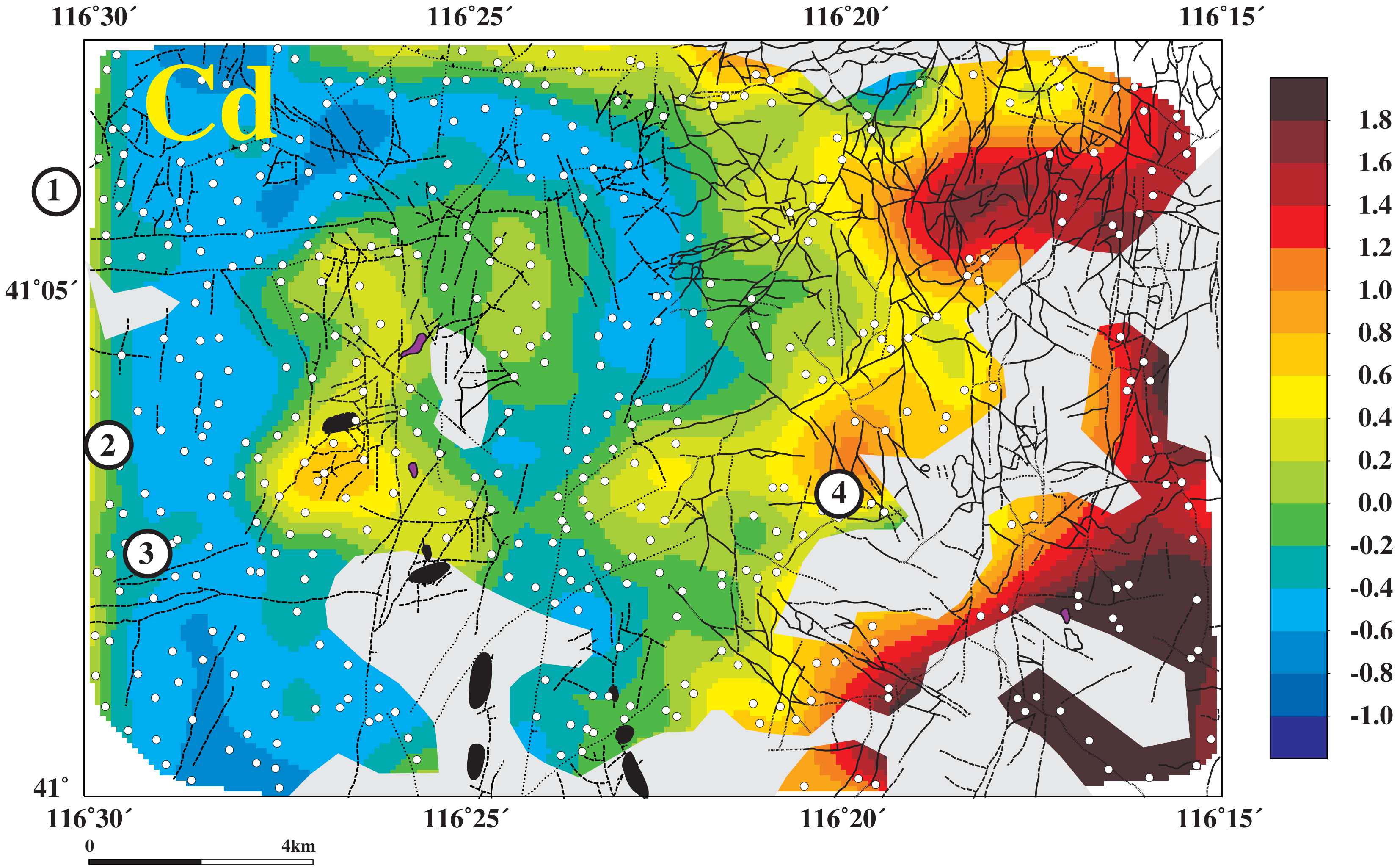

Figure 13—Distribution of cadmium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

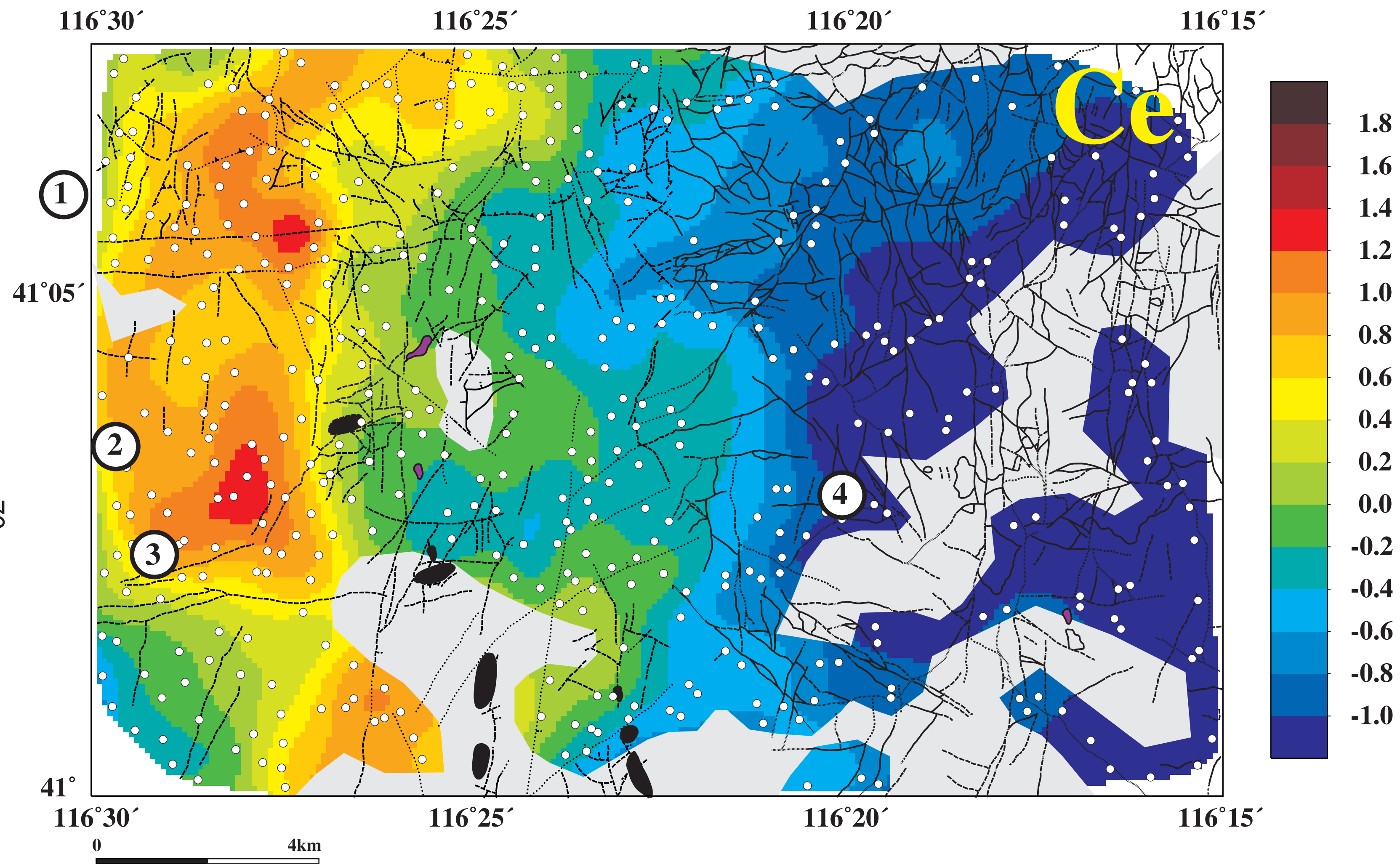

Figure 14—Distribution of cerium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

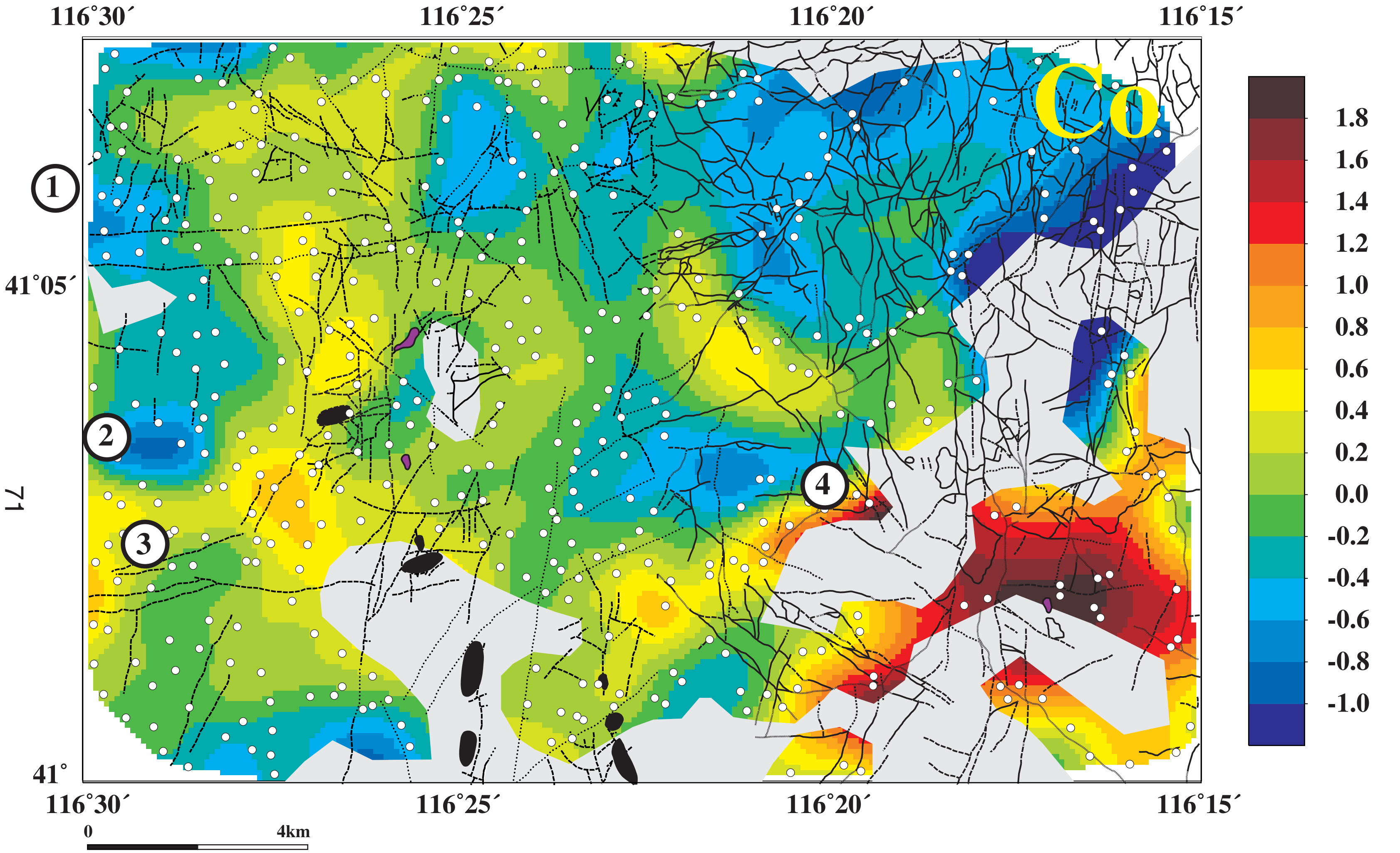

Figure 15—Distribution of cobalt (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

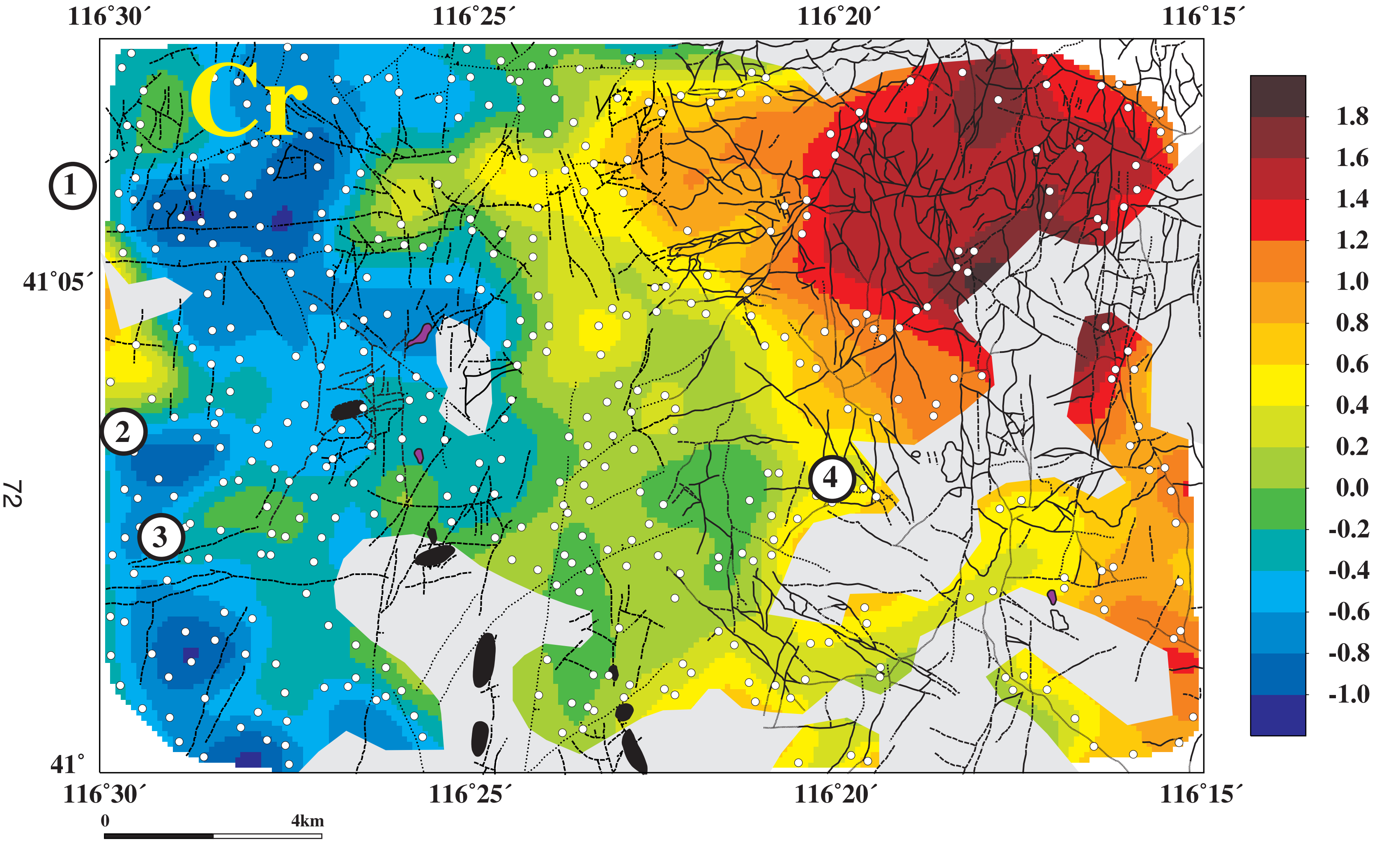

Figure 16—Distribution of chromium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

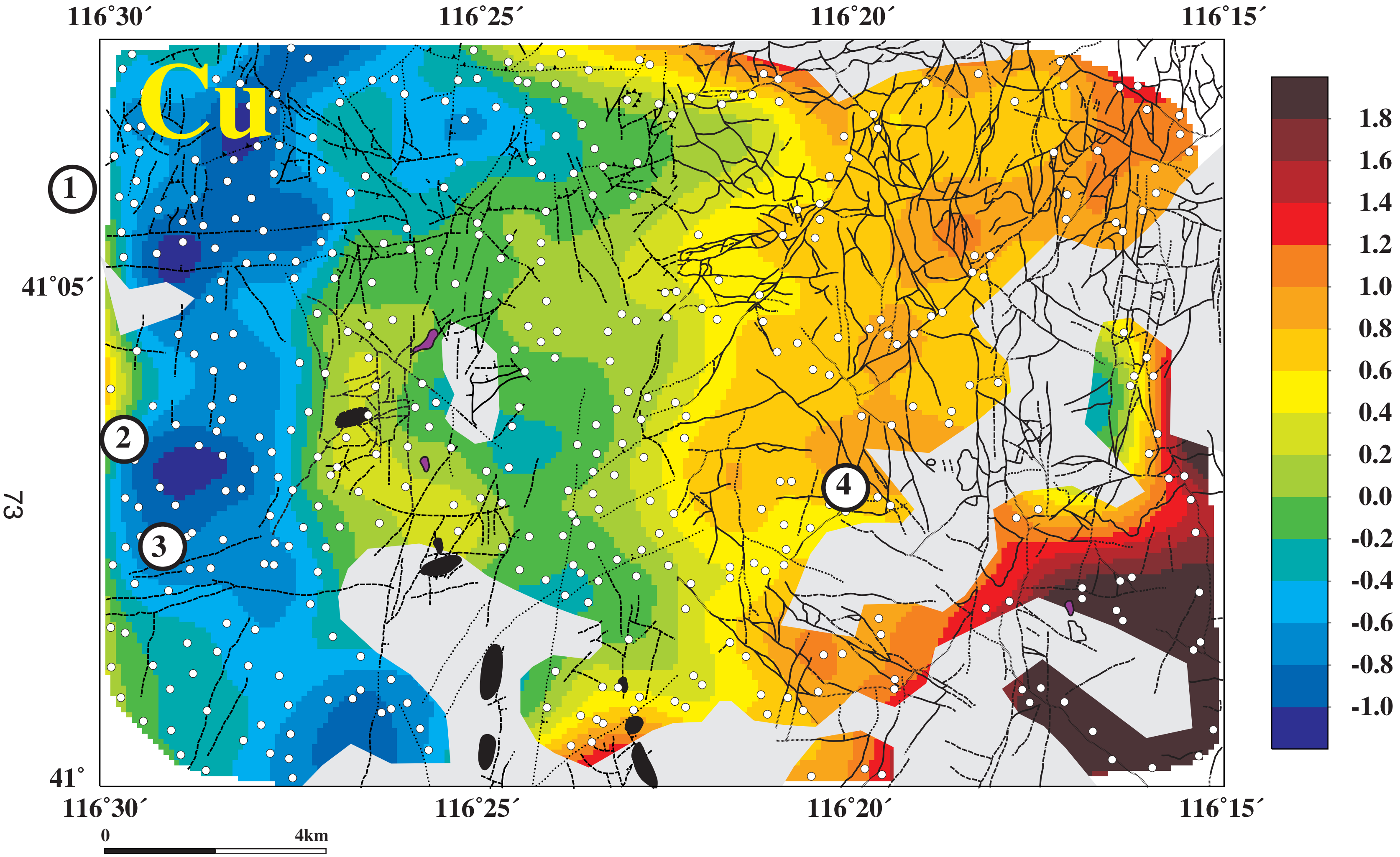

Figure 17—Distribution of copper (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

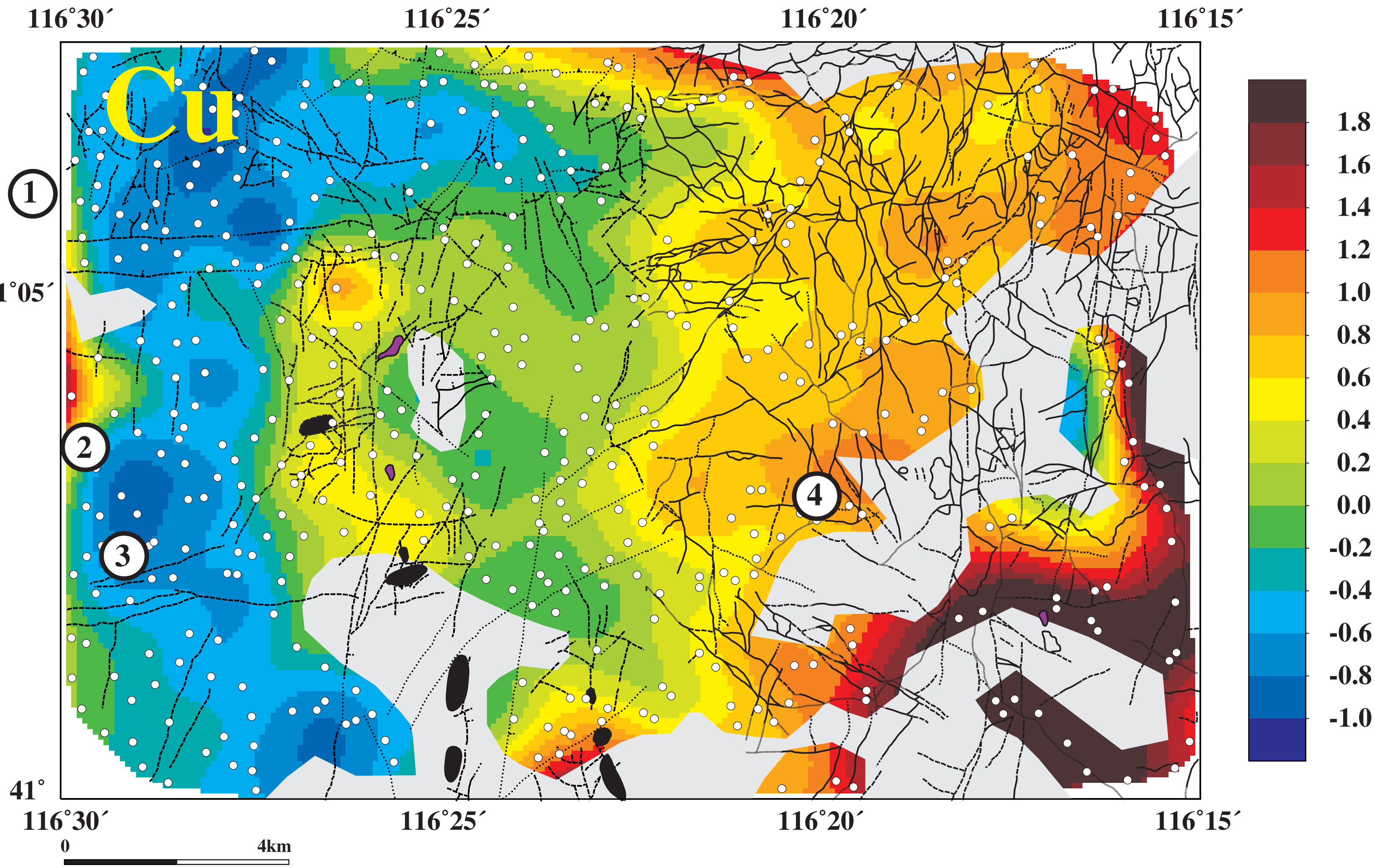

Figure 18—Distribution of copper (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

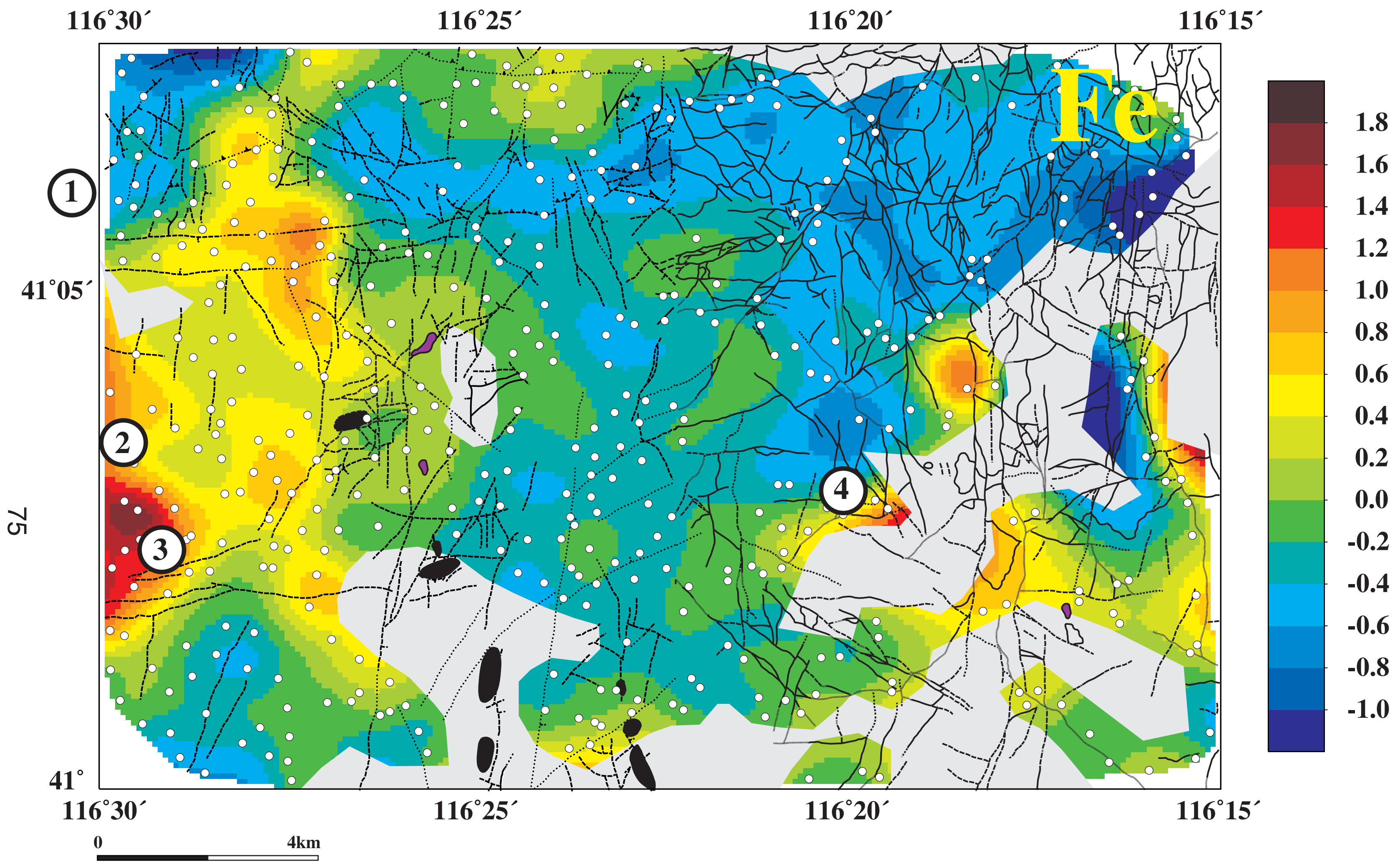

Figure 19—Distribution of iron (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, samples localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

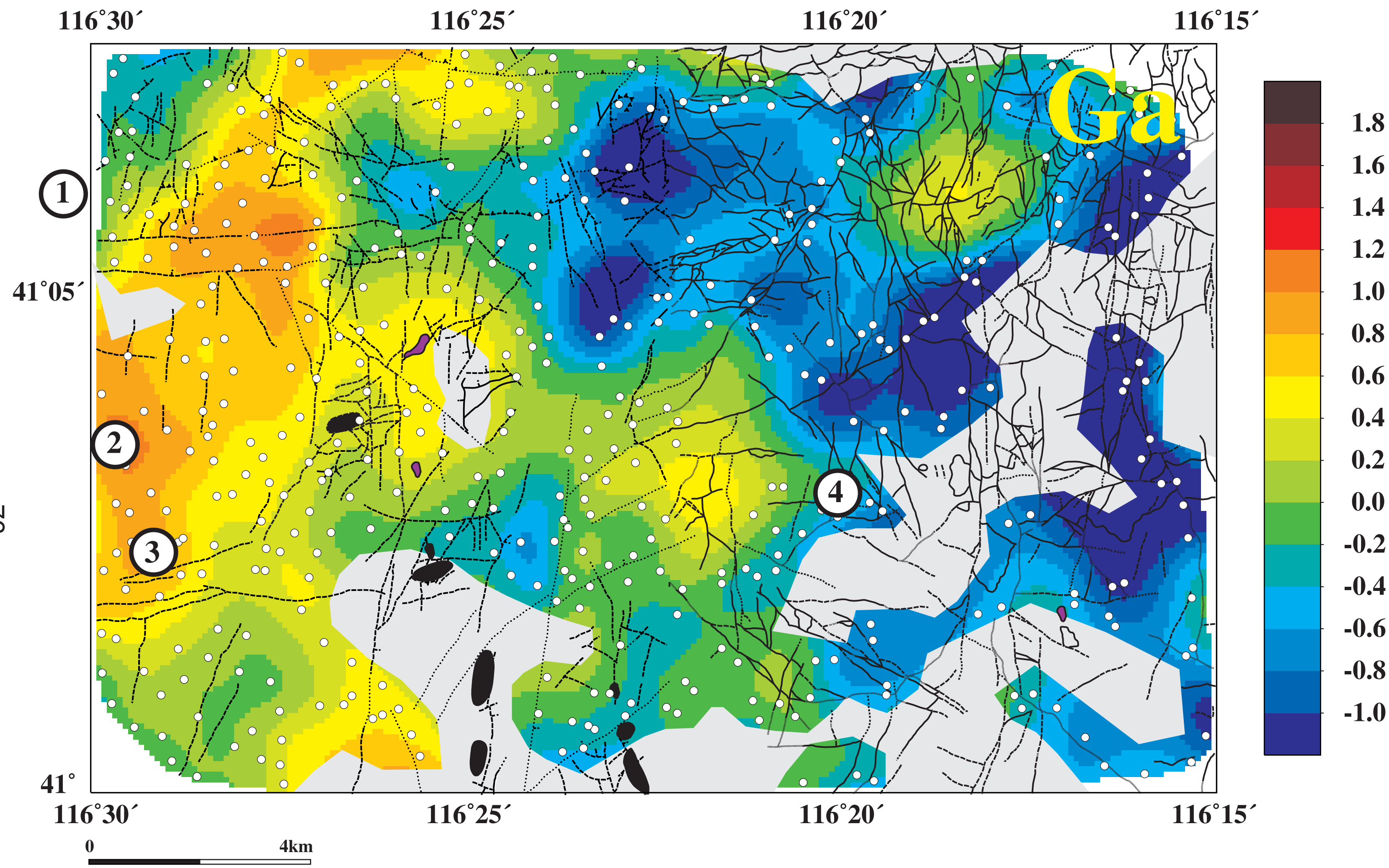

Figure 20—Distribution of gallium (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

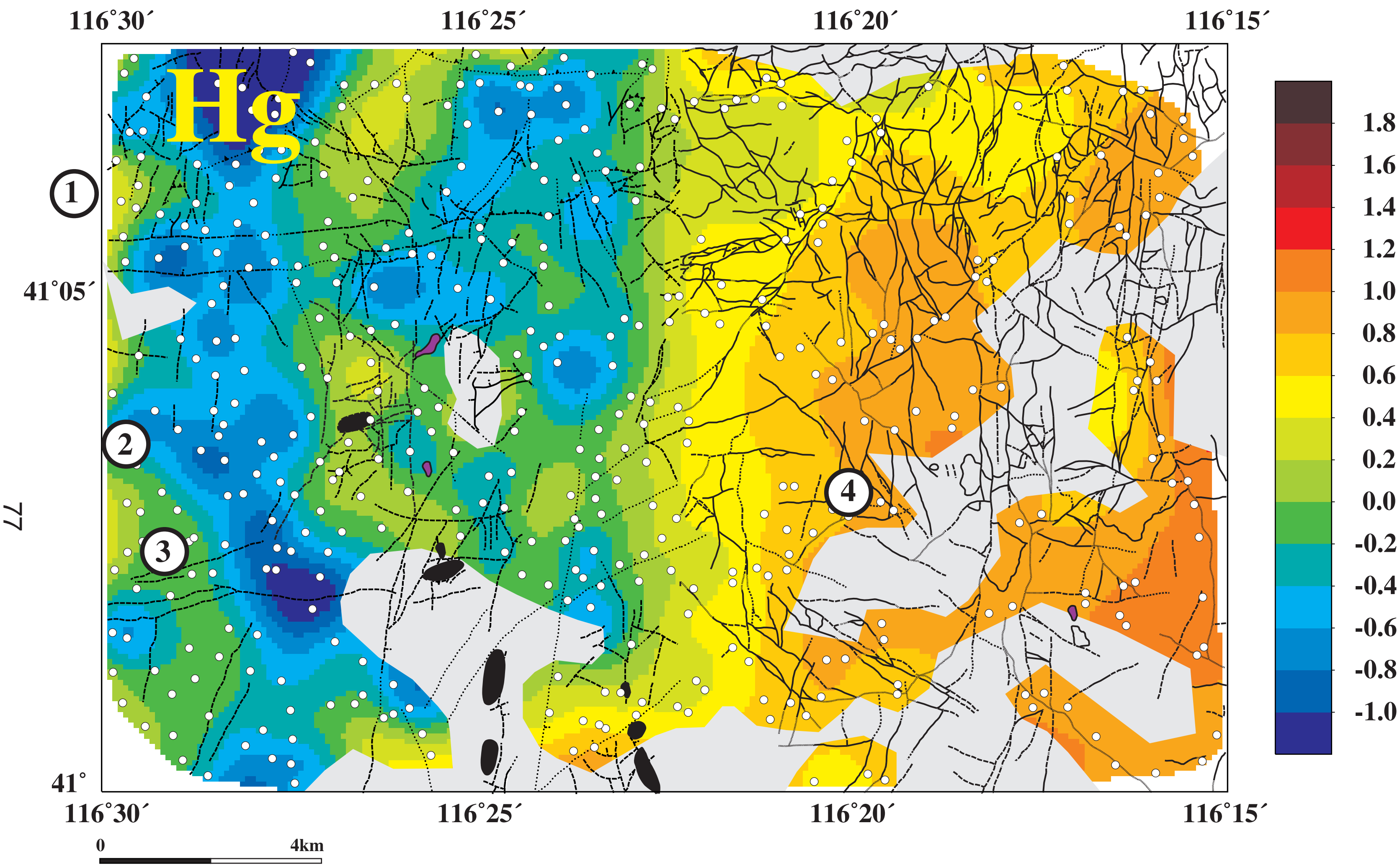

Figure 21—Distribution of mercury (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

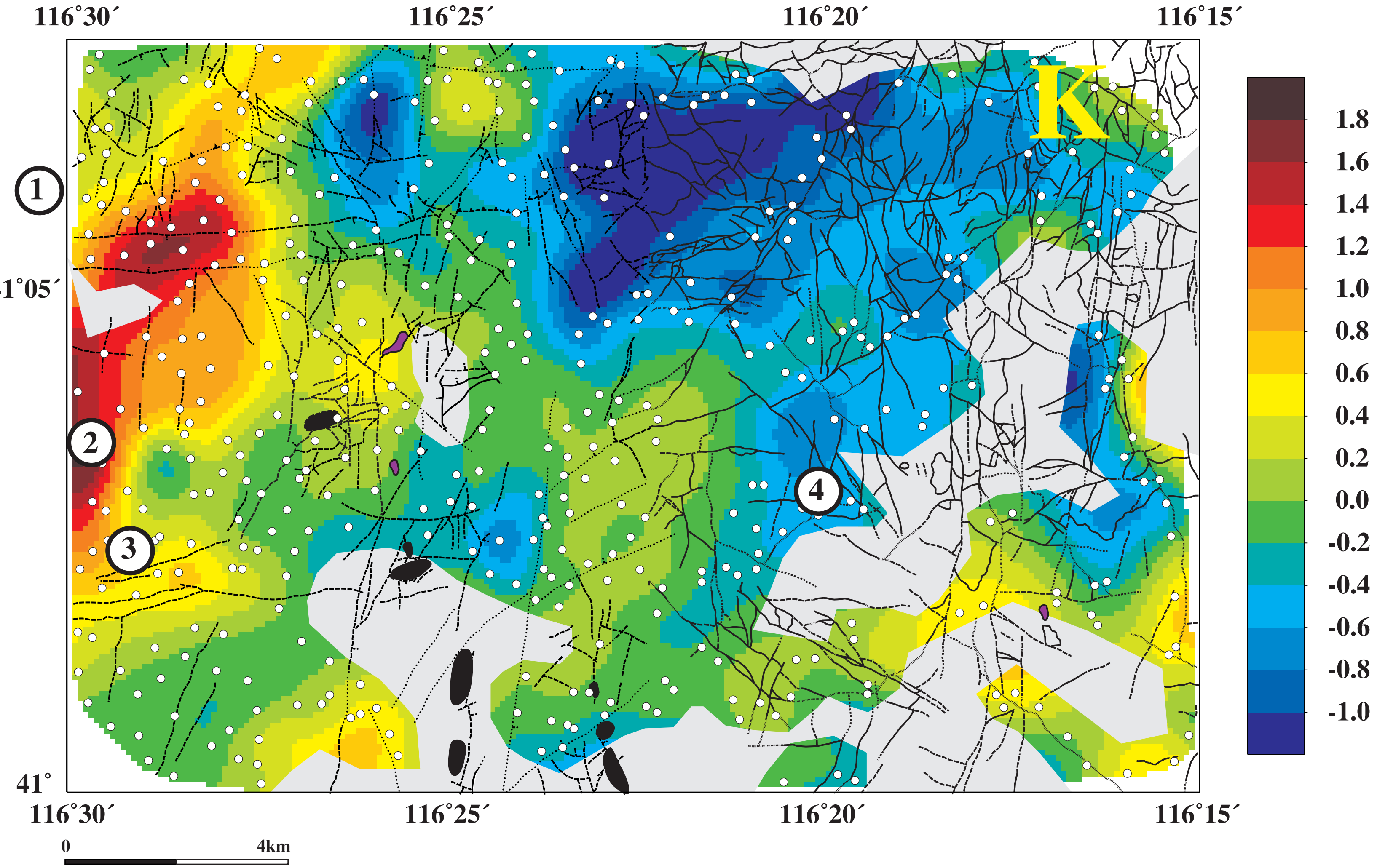

Figure 22—Distribution of potassium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projections of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

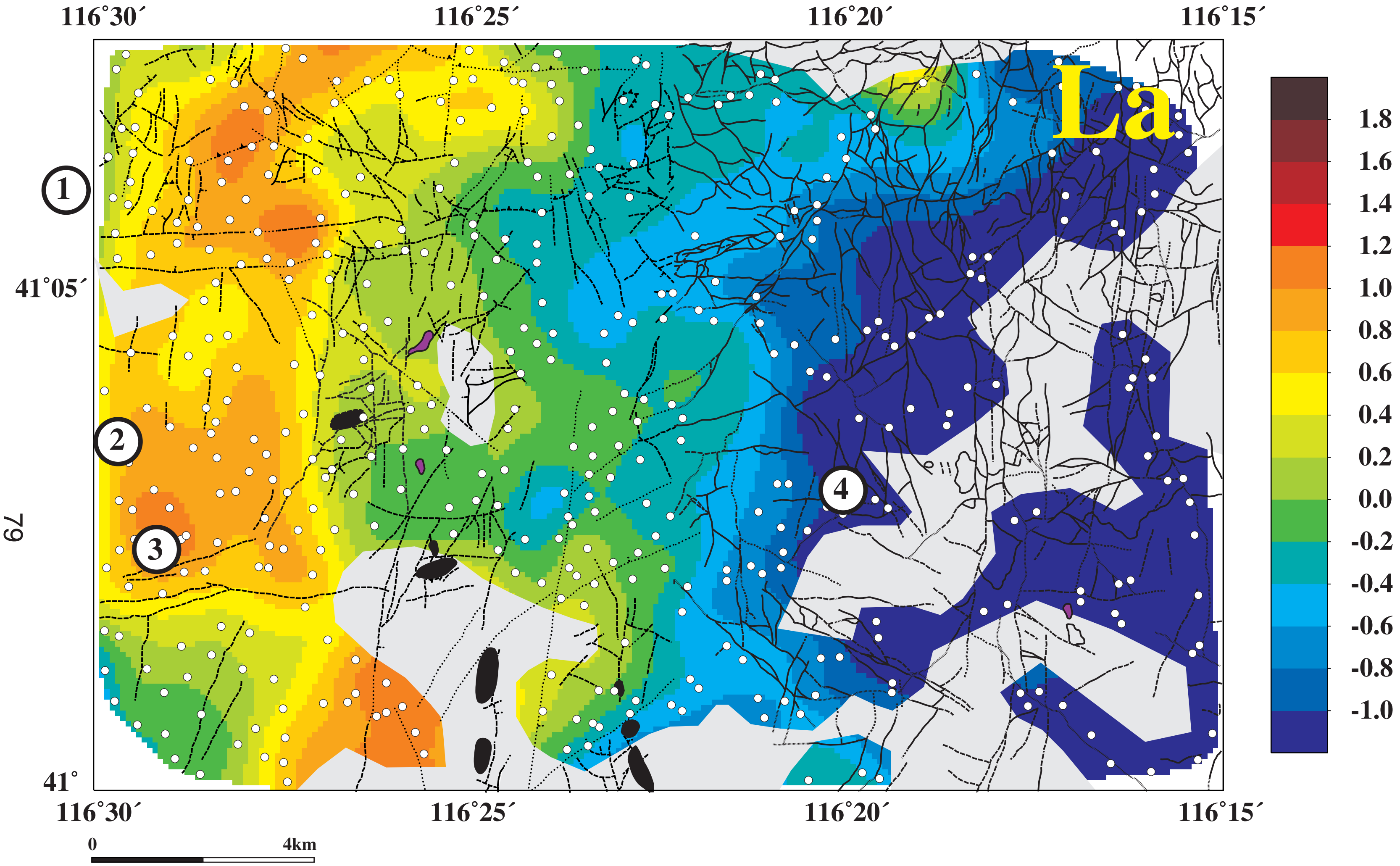

Figure 23—Distribution of lanthanum (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

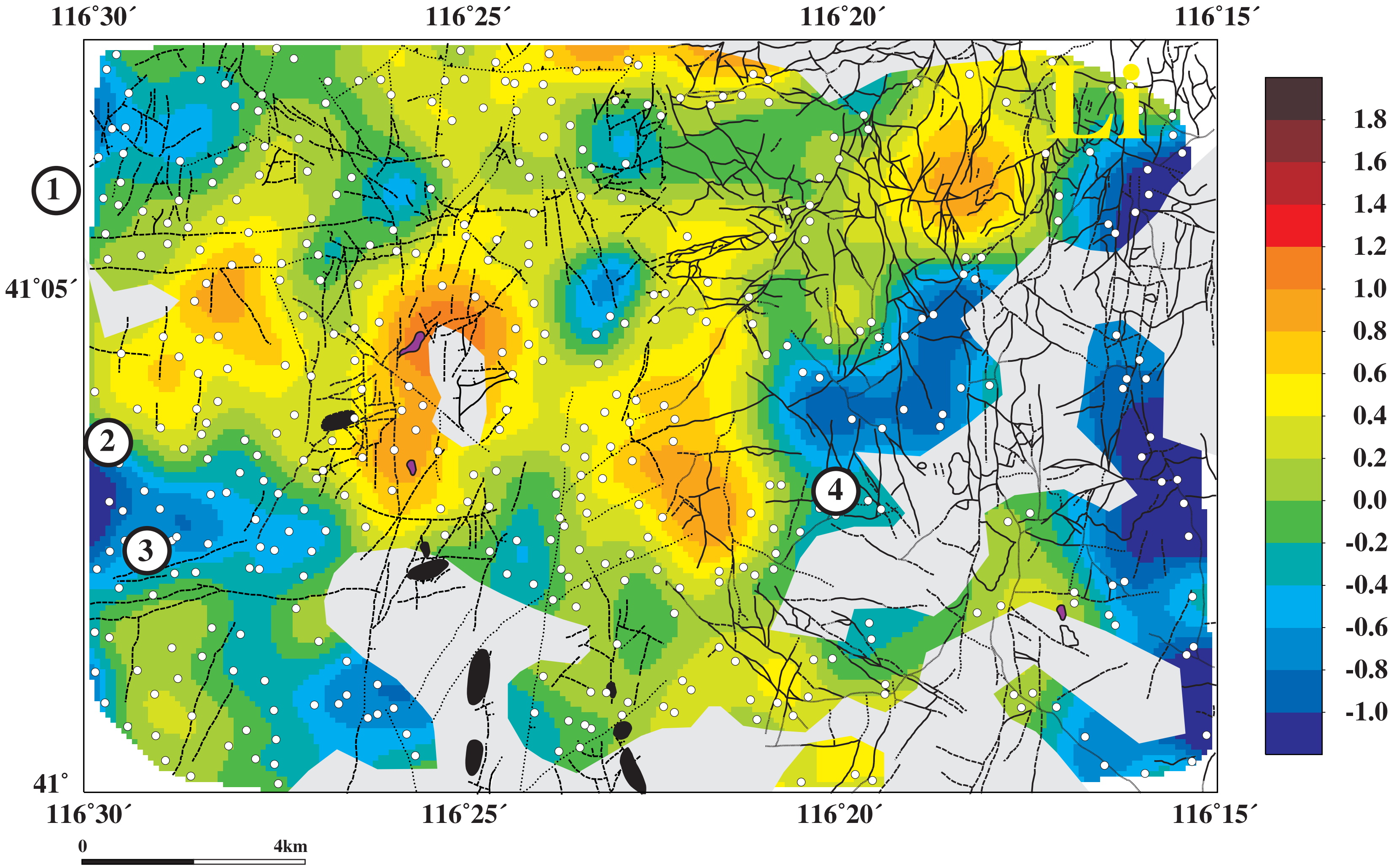

Figure 24—Distribution of lithium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, samples localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

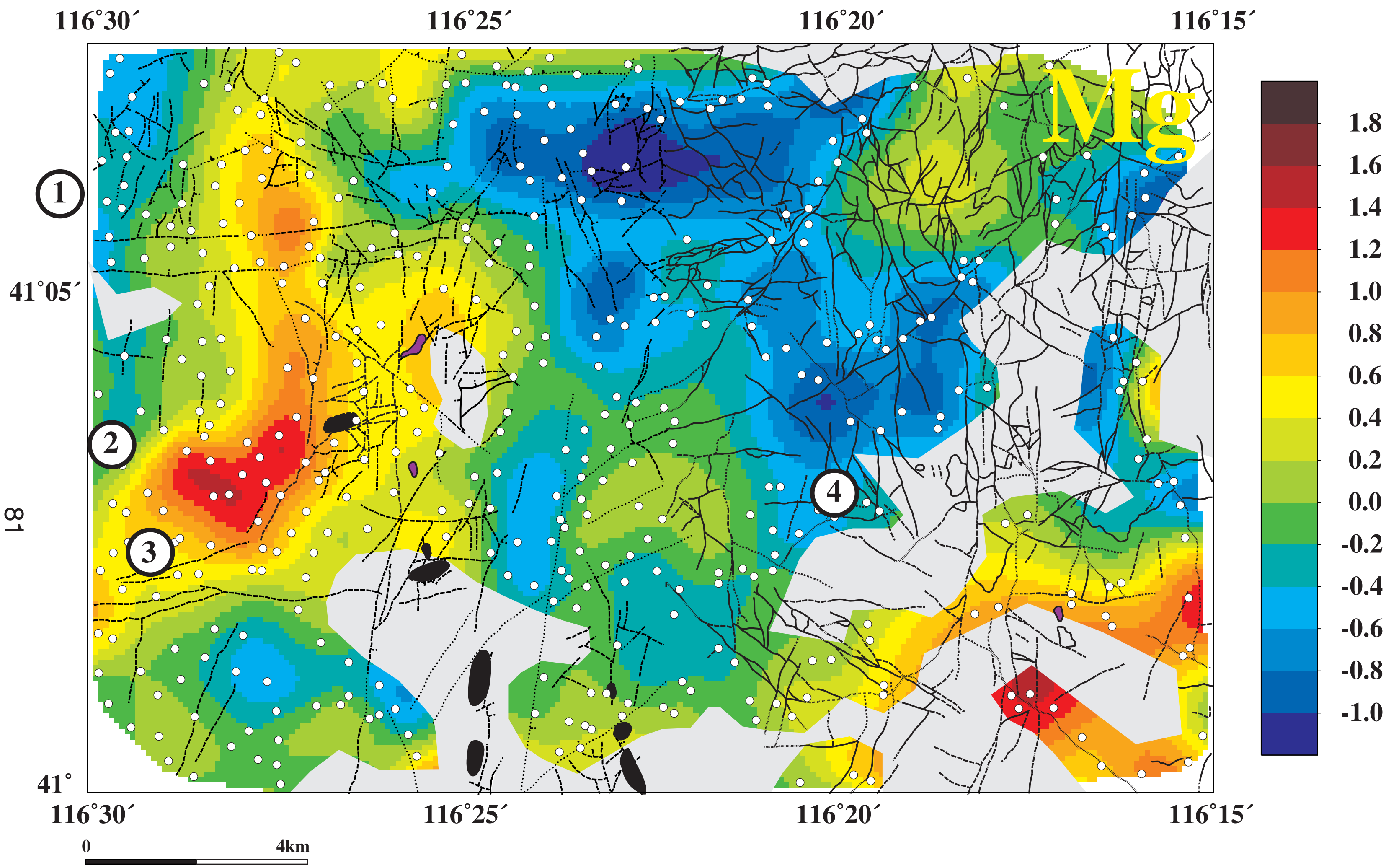

Figure 25—Distribution of magnesium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

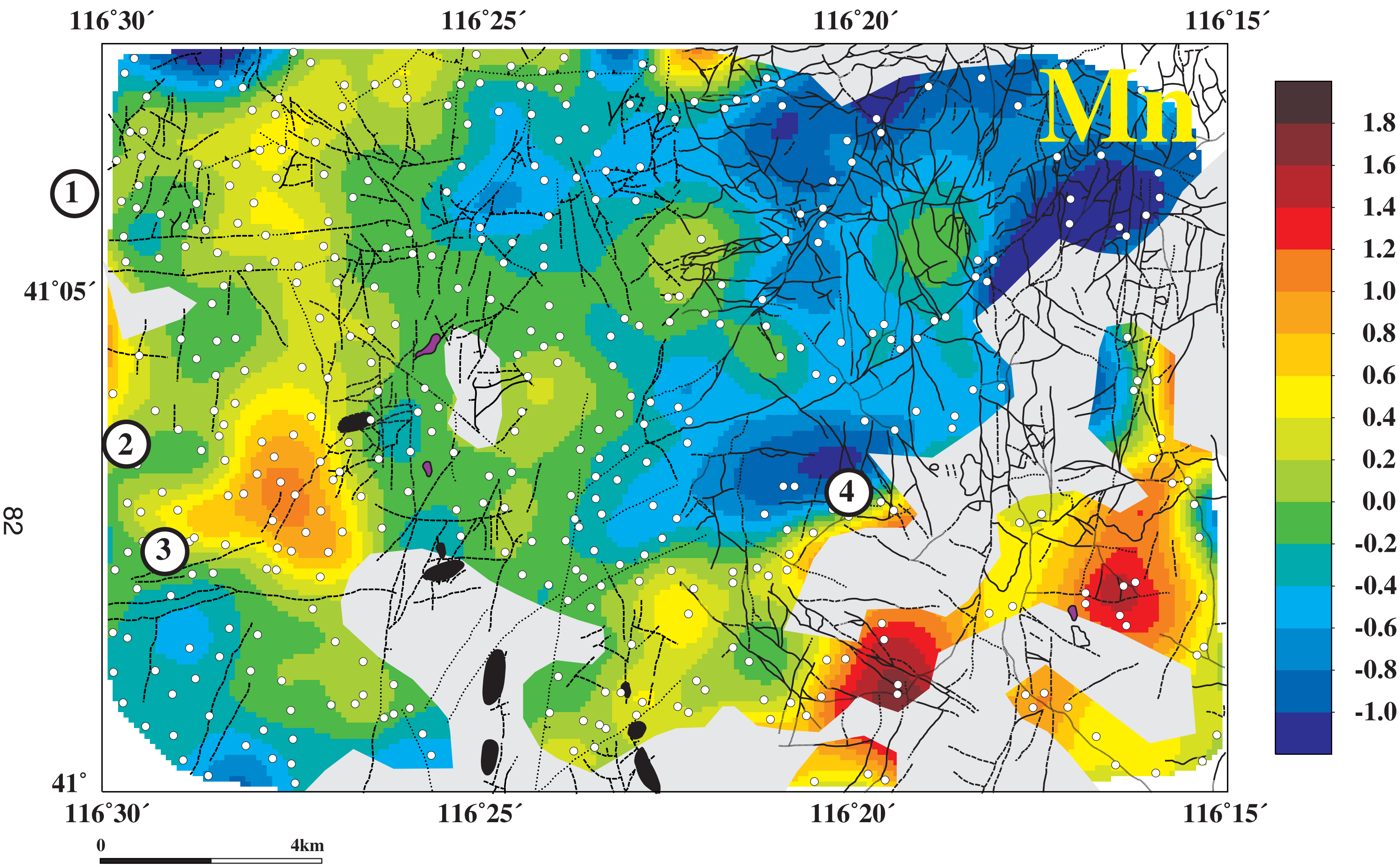

Figure 26—Distribution of manganese (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

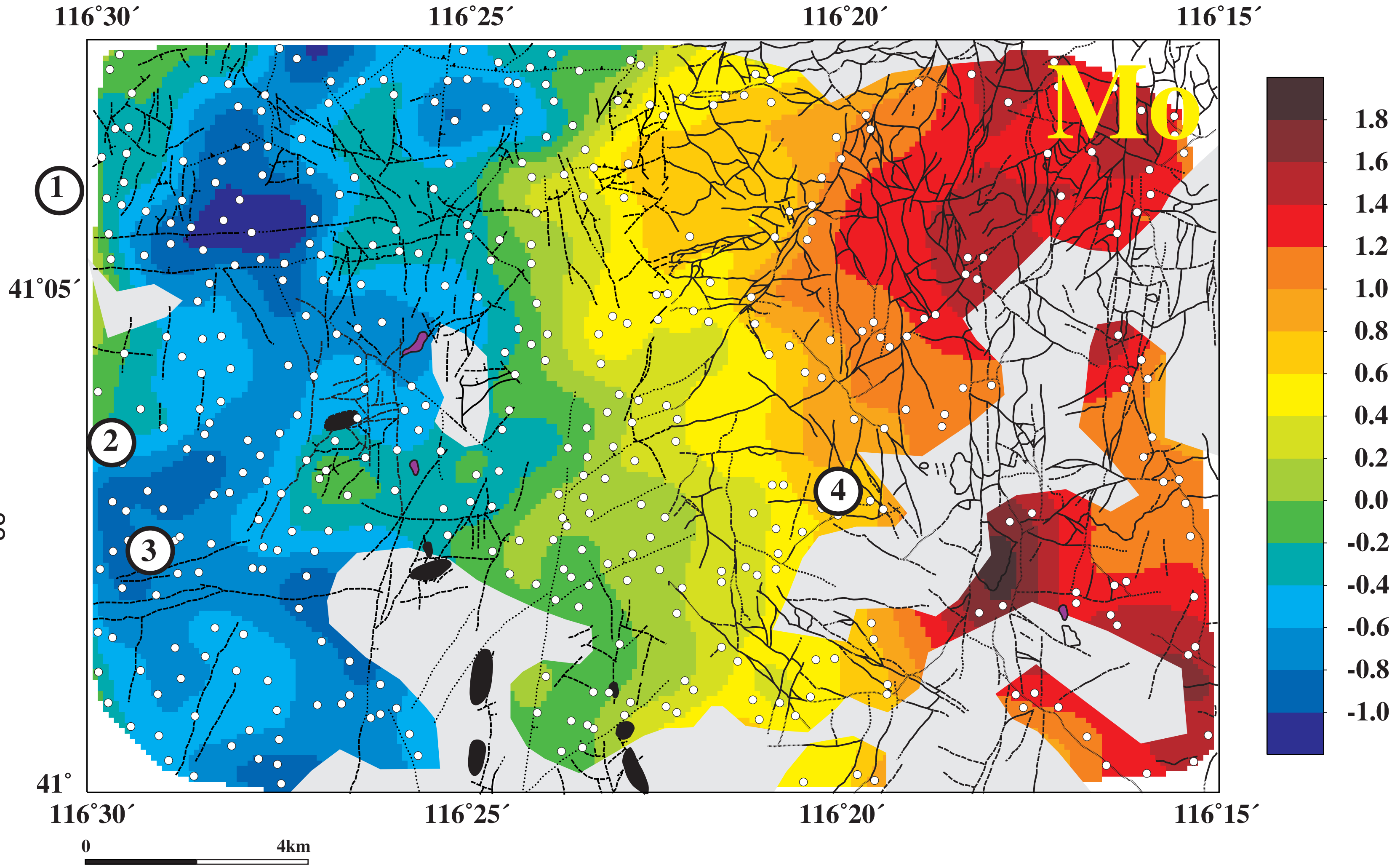

Figure 27—Distribution of molybdenum (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

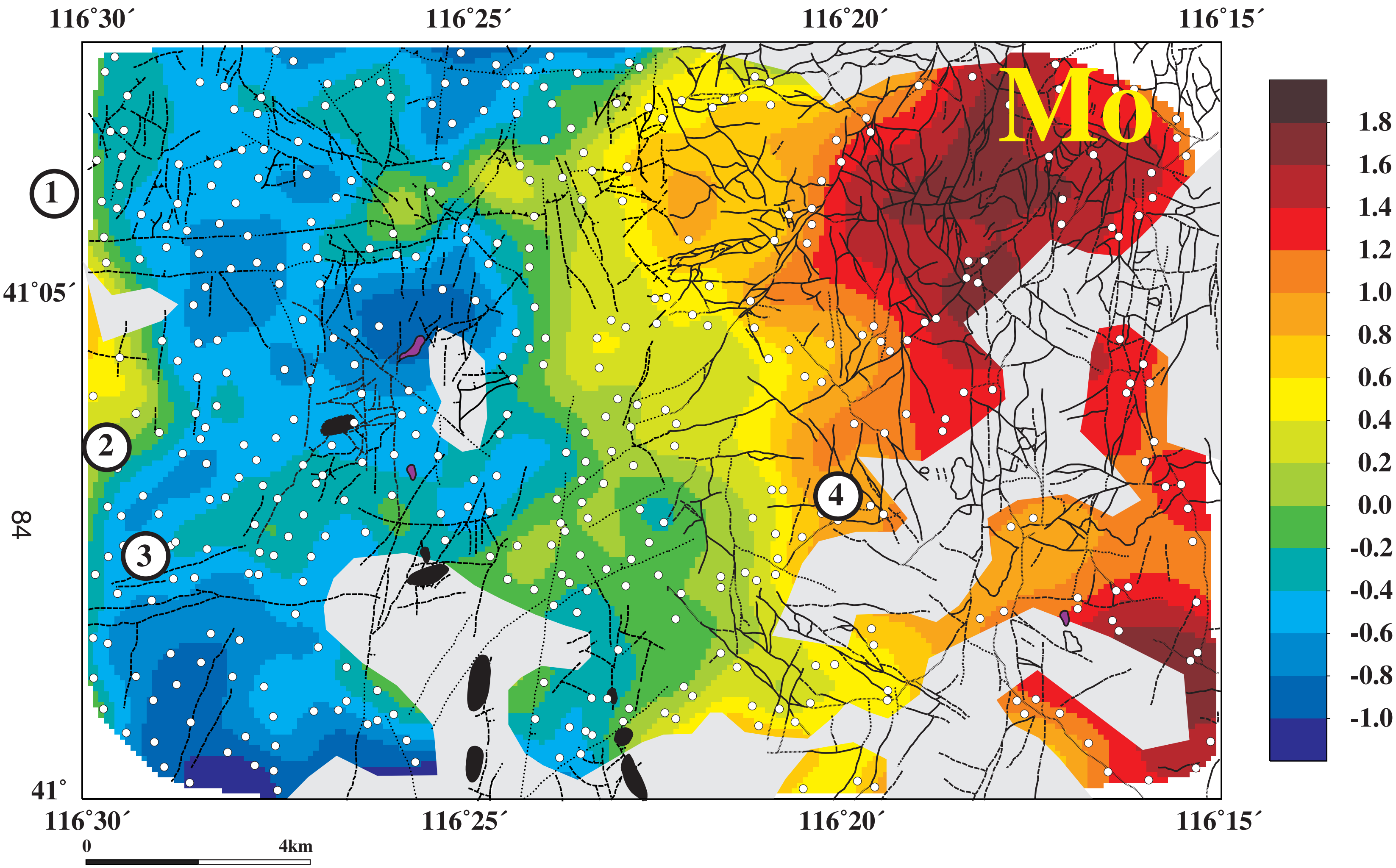

Figure 28—Distribution of molybdenum (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

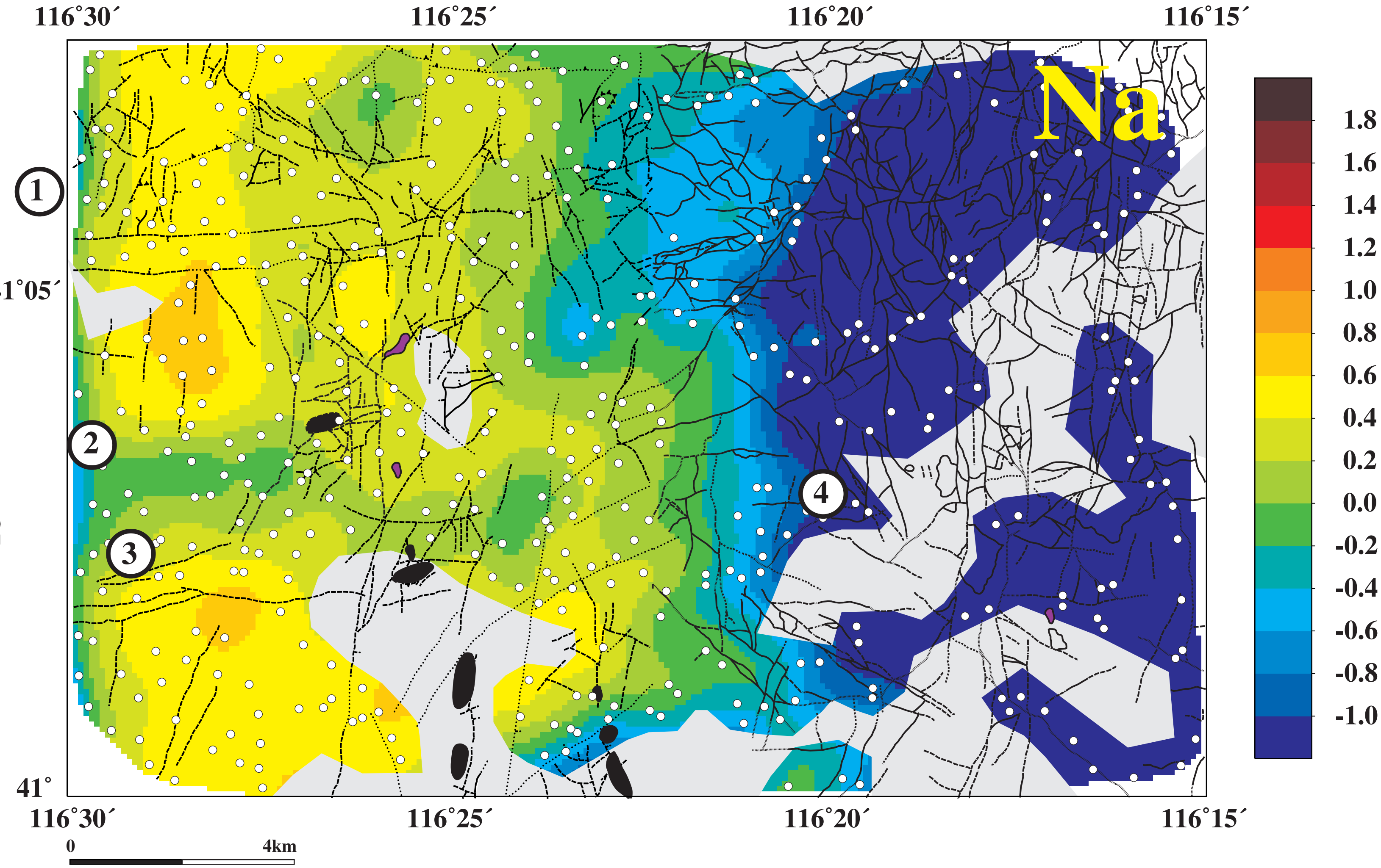

Figure 29—Distribution of sodium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

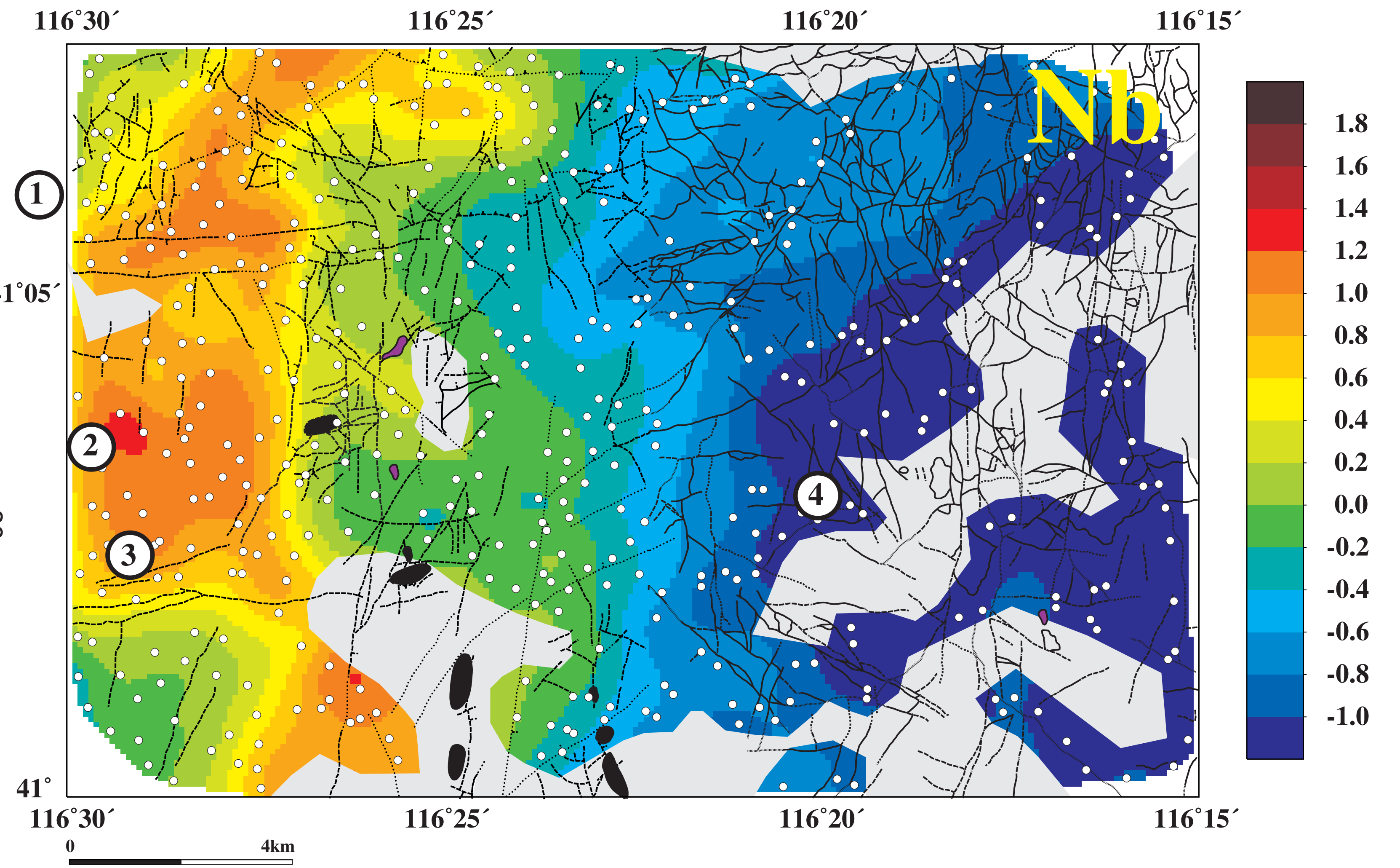

Figure 30—Distribution of niobium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

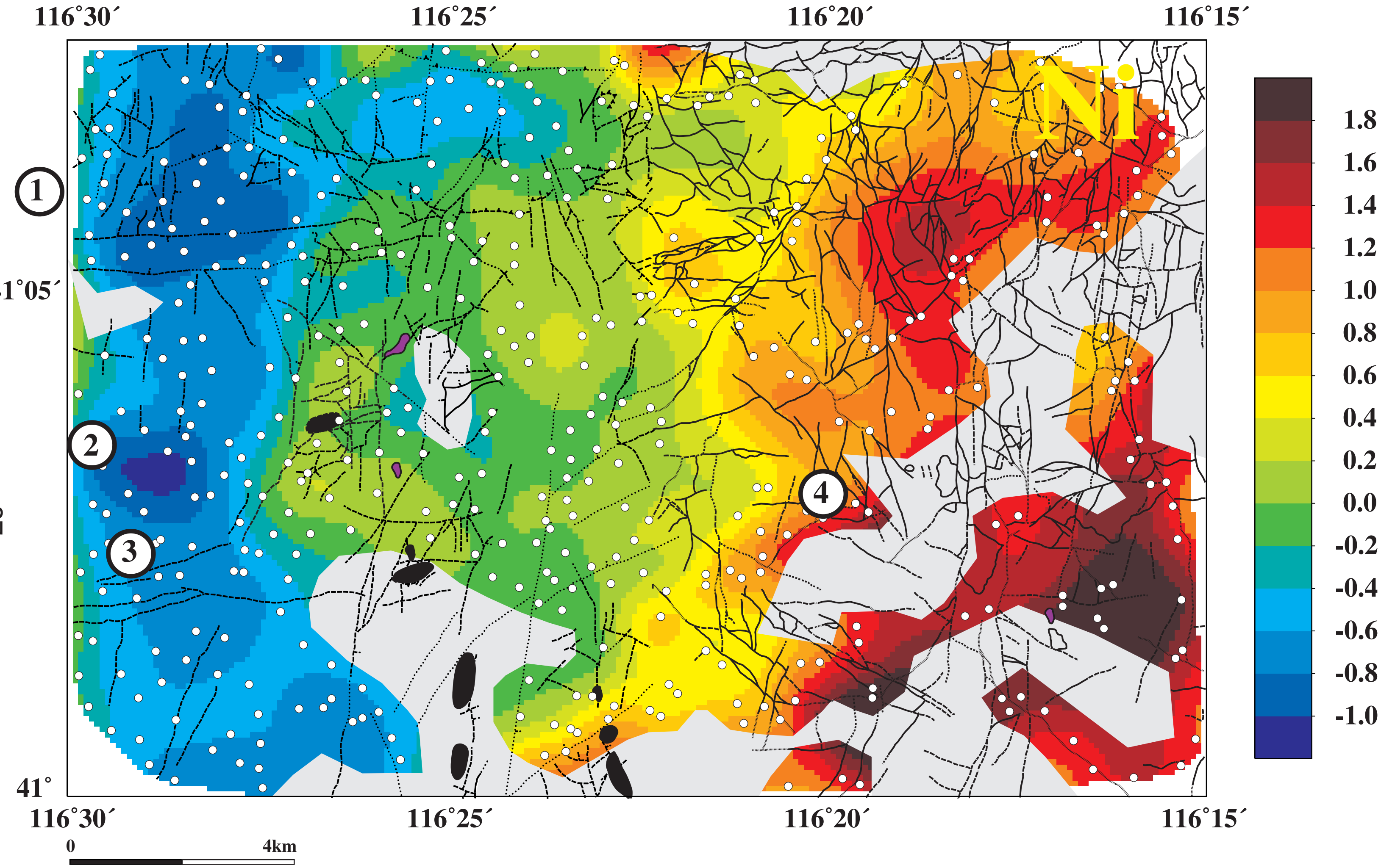

Figure 31—Distribution of nickel (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

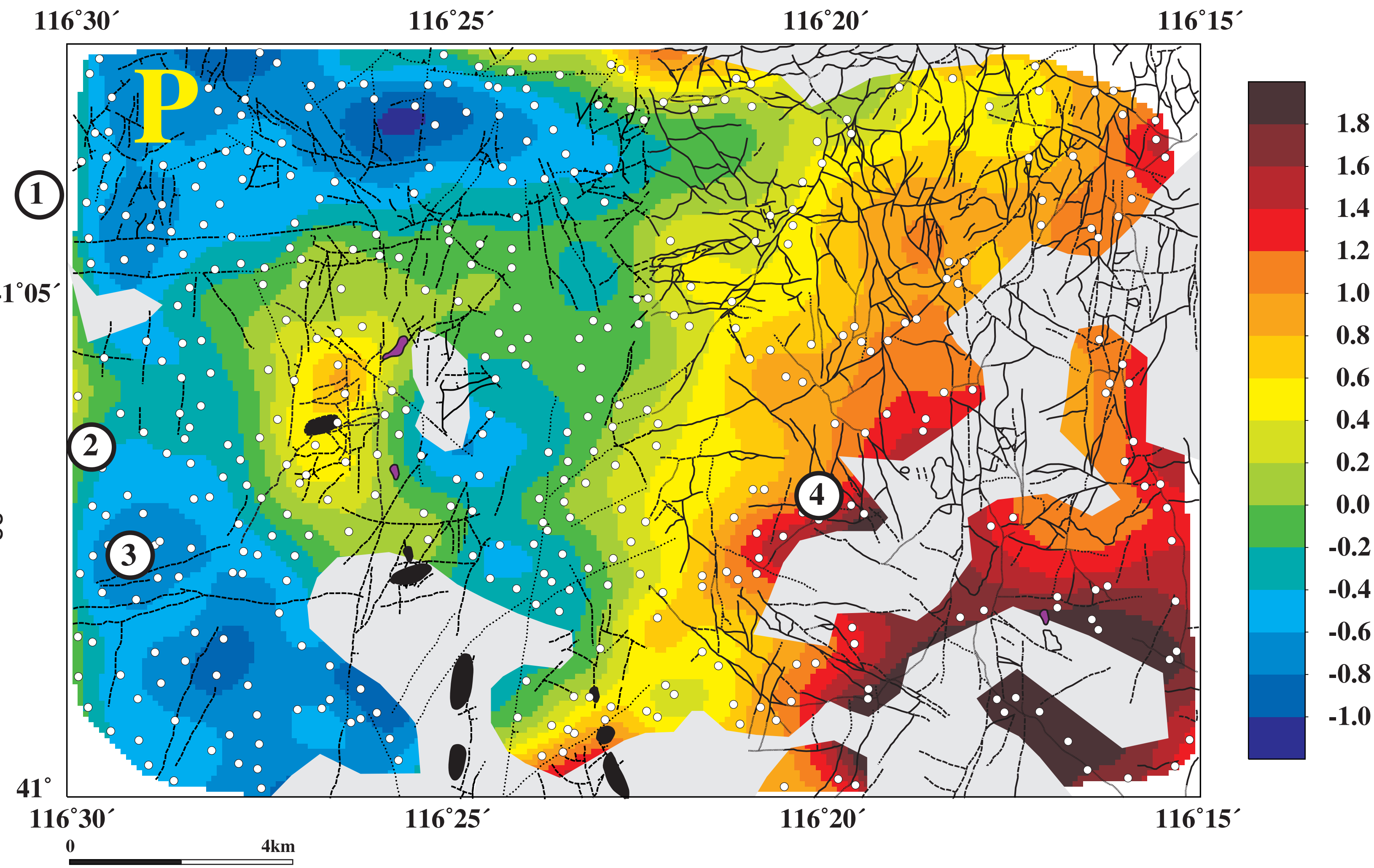

Figure 32—Distribution of phosphorus (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

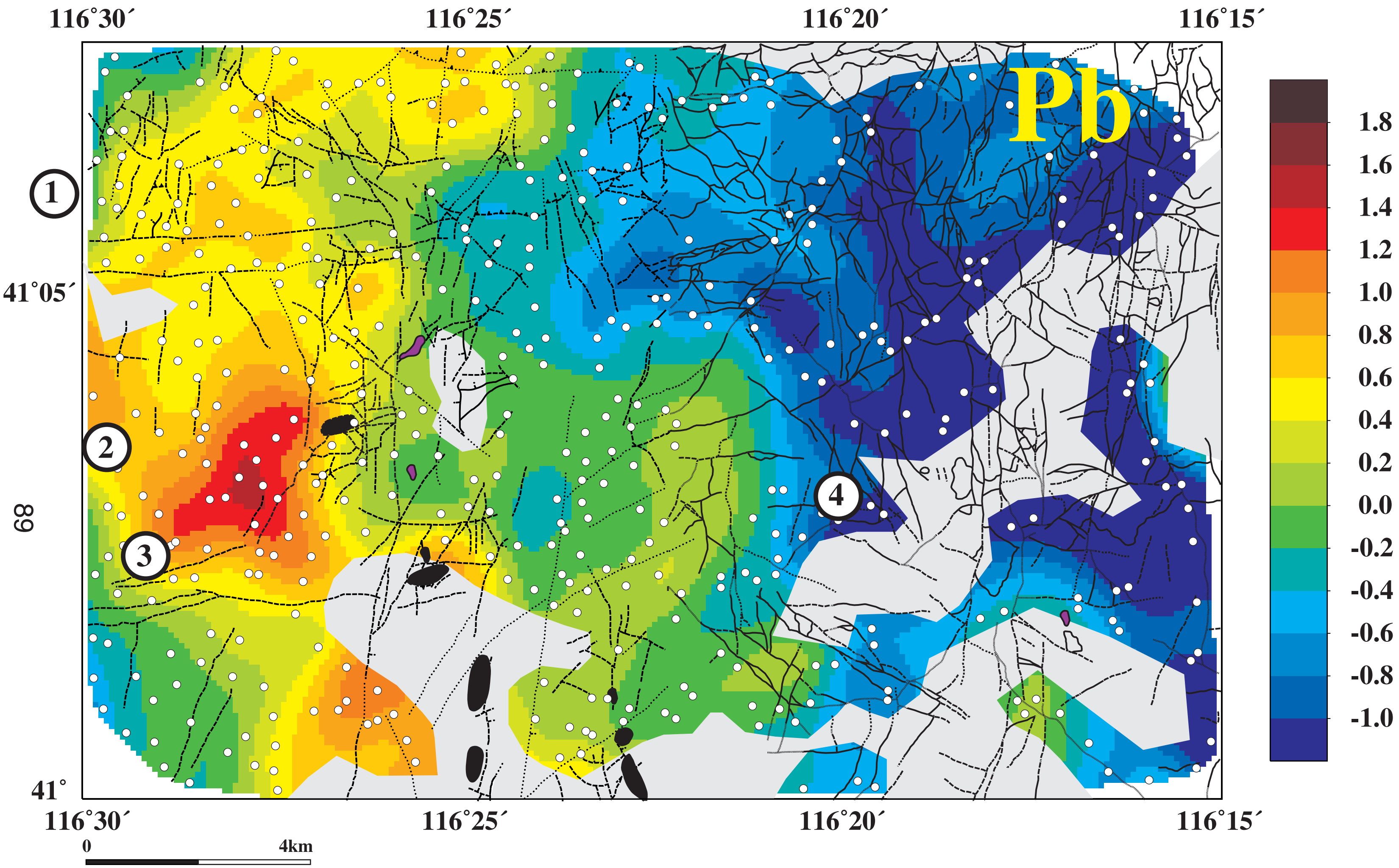

Figure 33—Distribution of lead (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

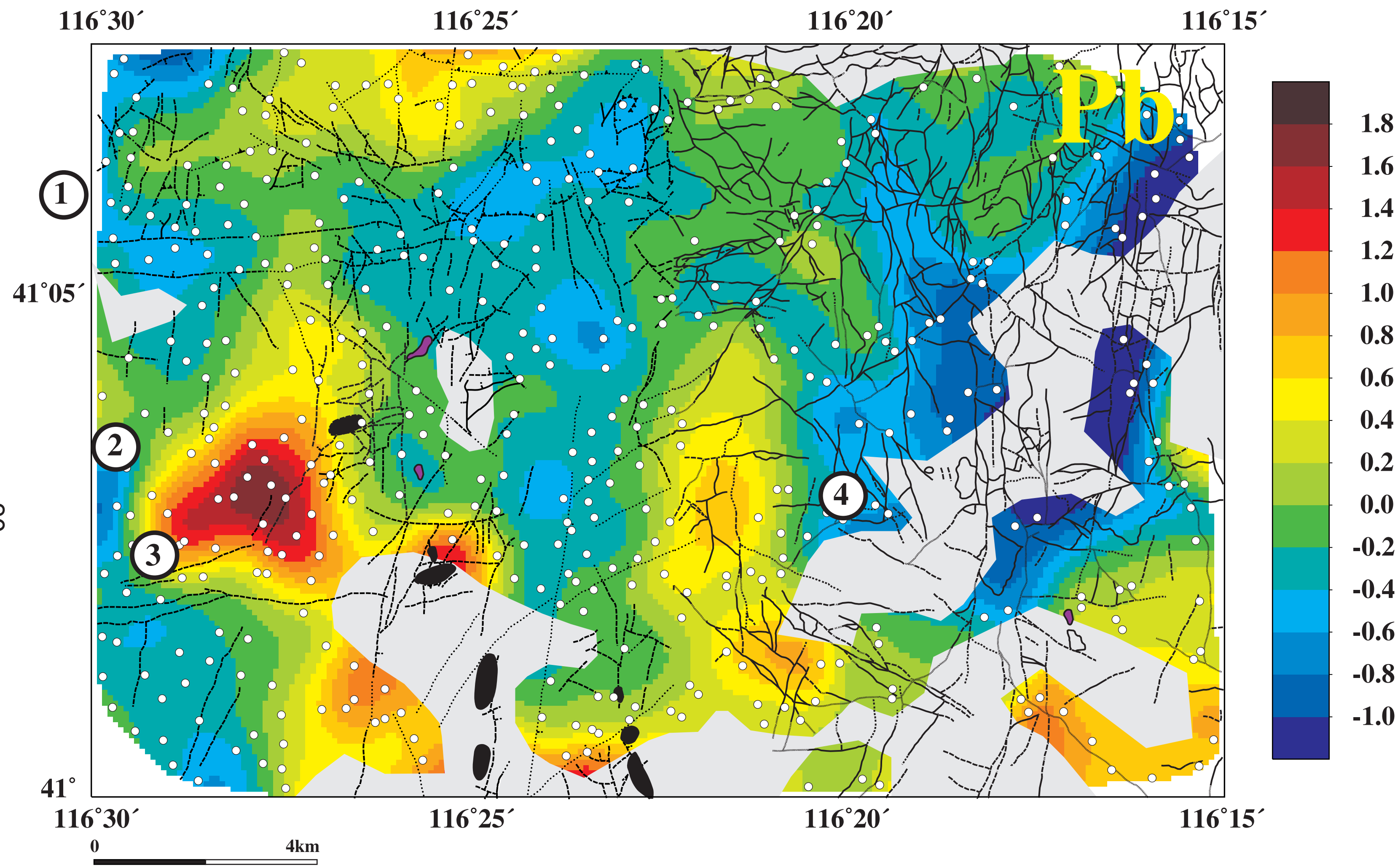

Figure 34—Distribution of lead (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projections of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

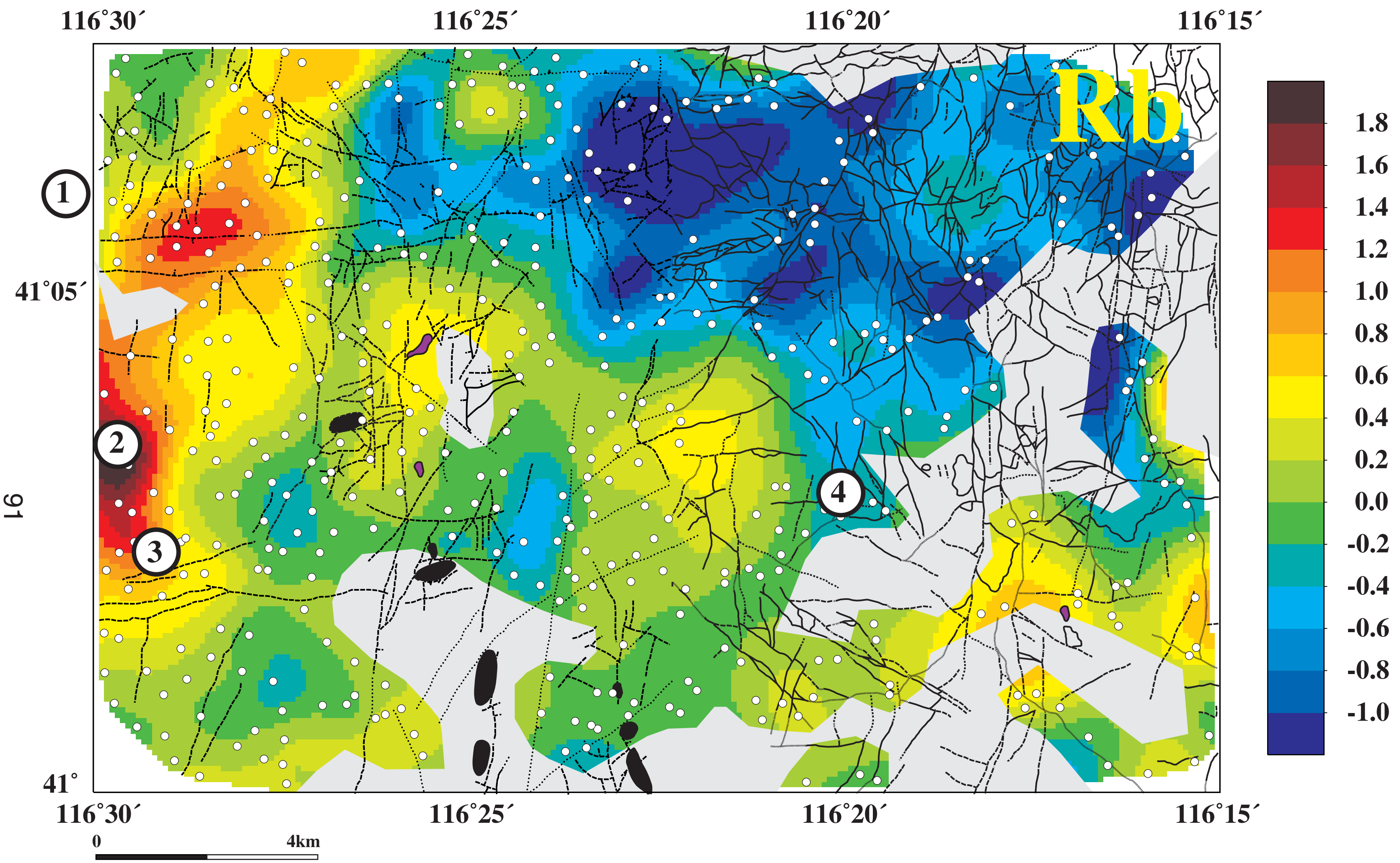

Figure 35—Distribution of rubidium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

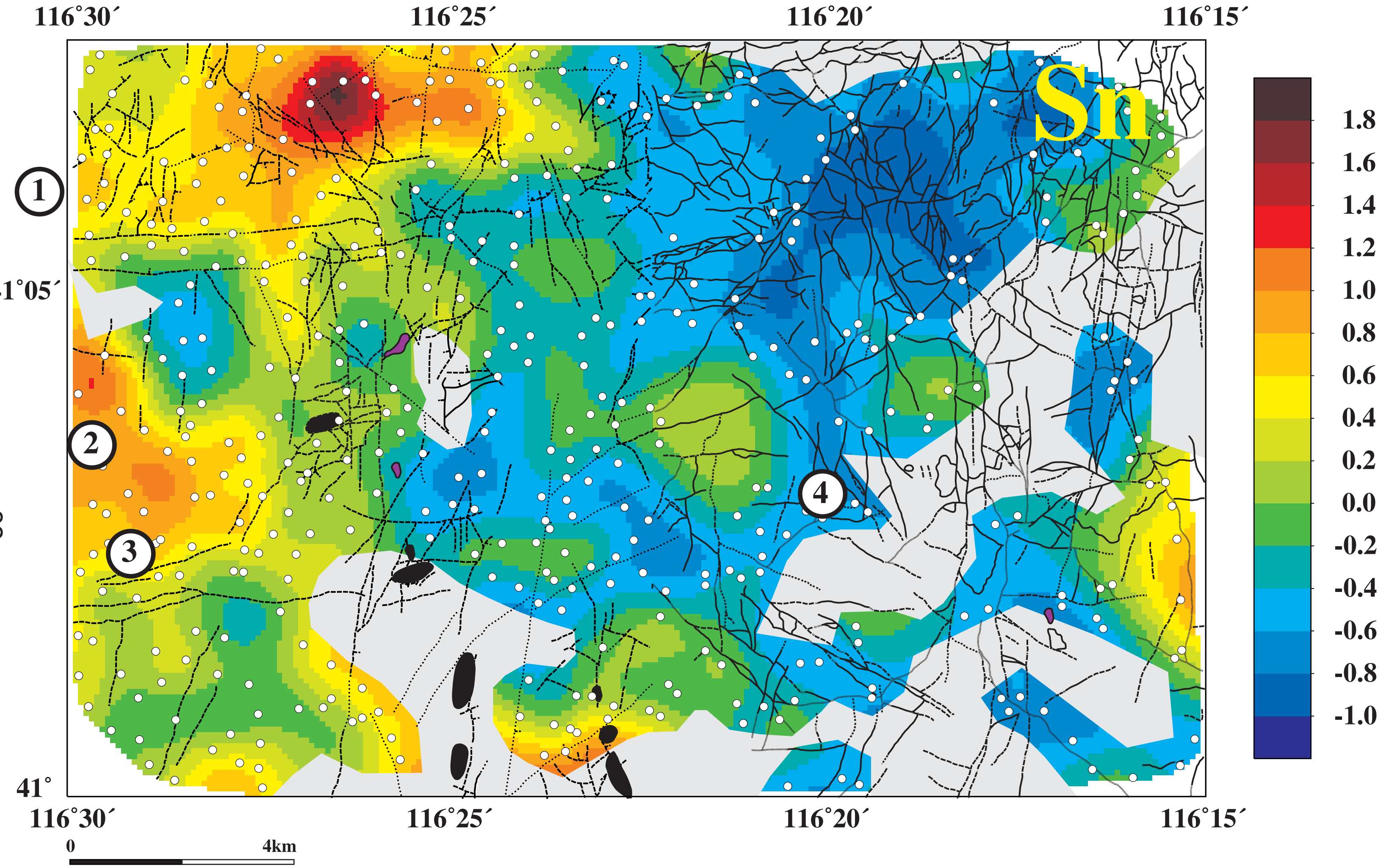

Figure 36—Distribution of tin (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

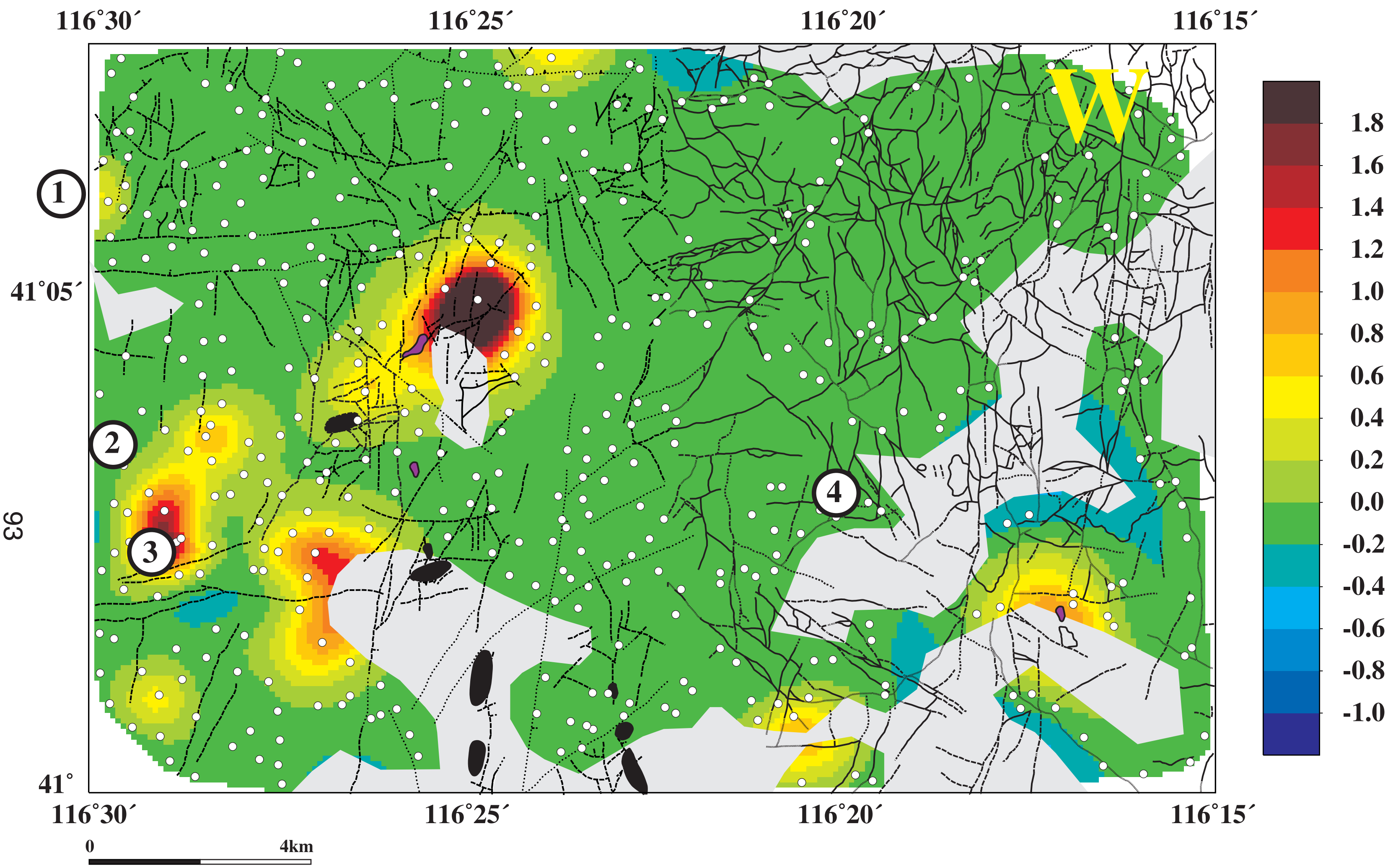

Figure 37—Distribution of tungsten (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

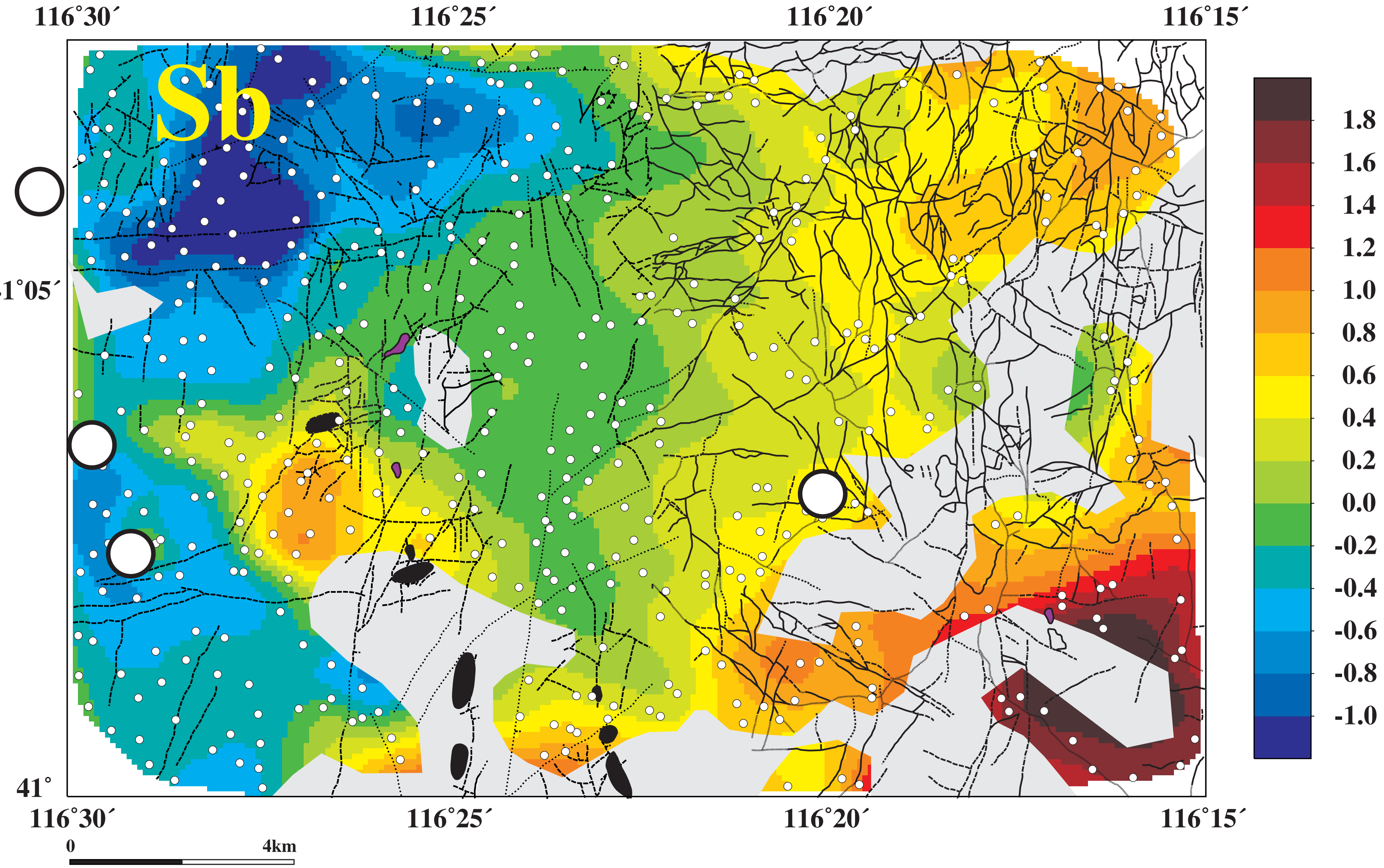

Figure 38—Distribution of antimony (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

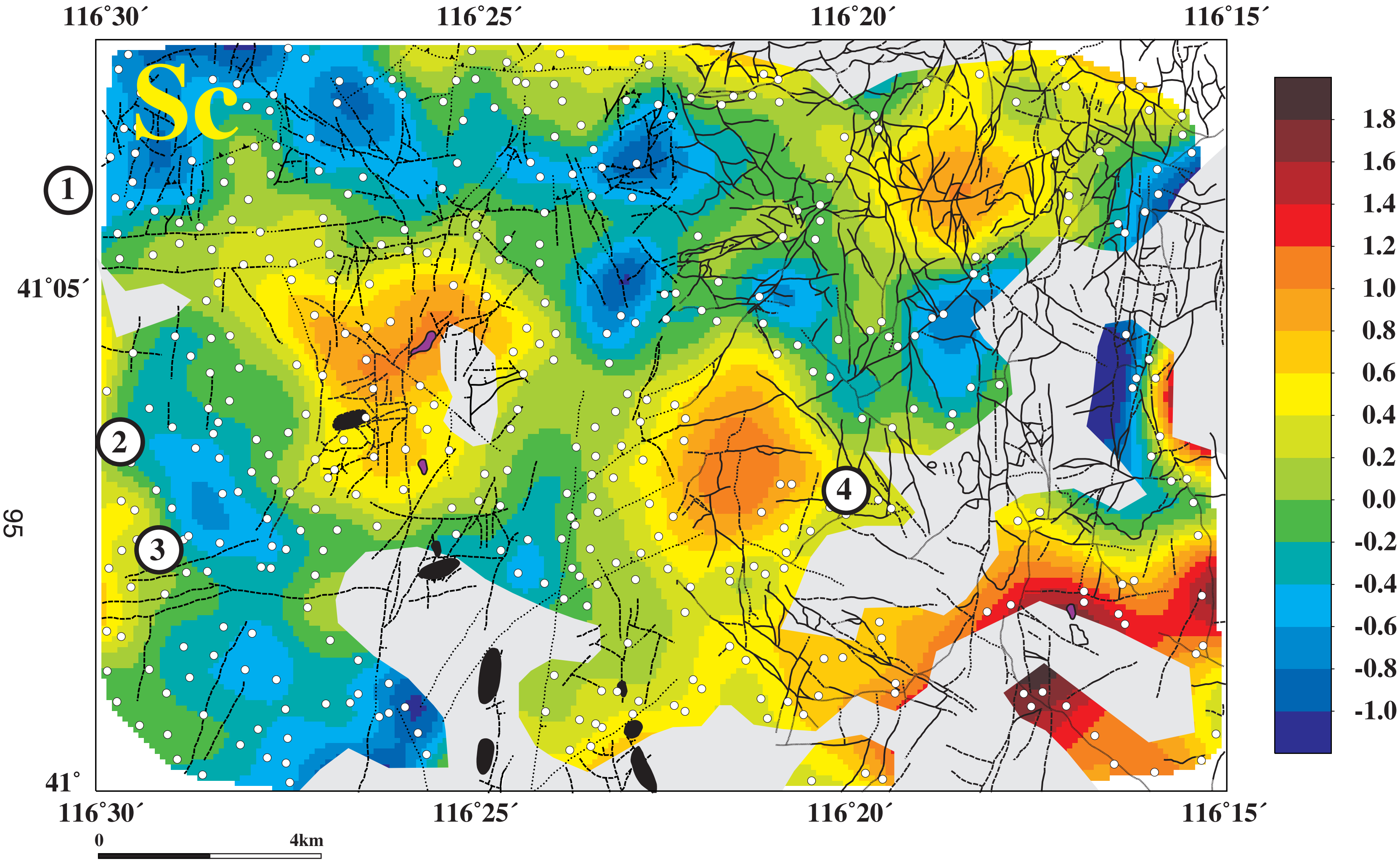

Figure 39—Distribution of scandium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

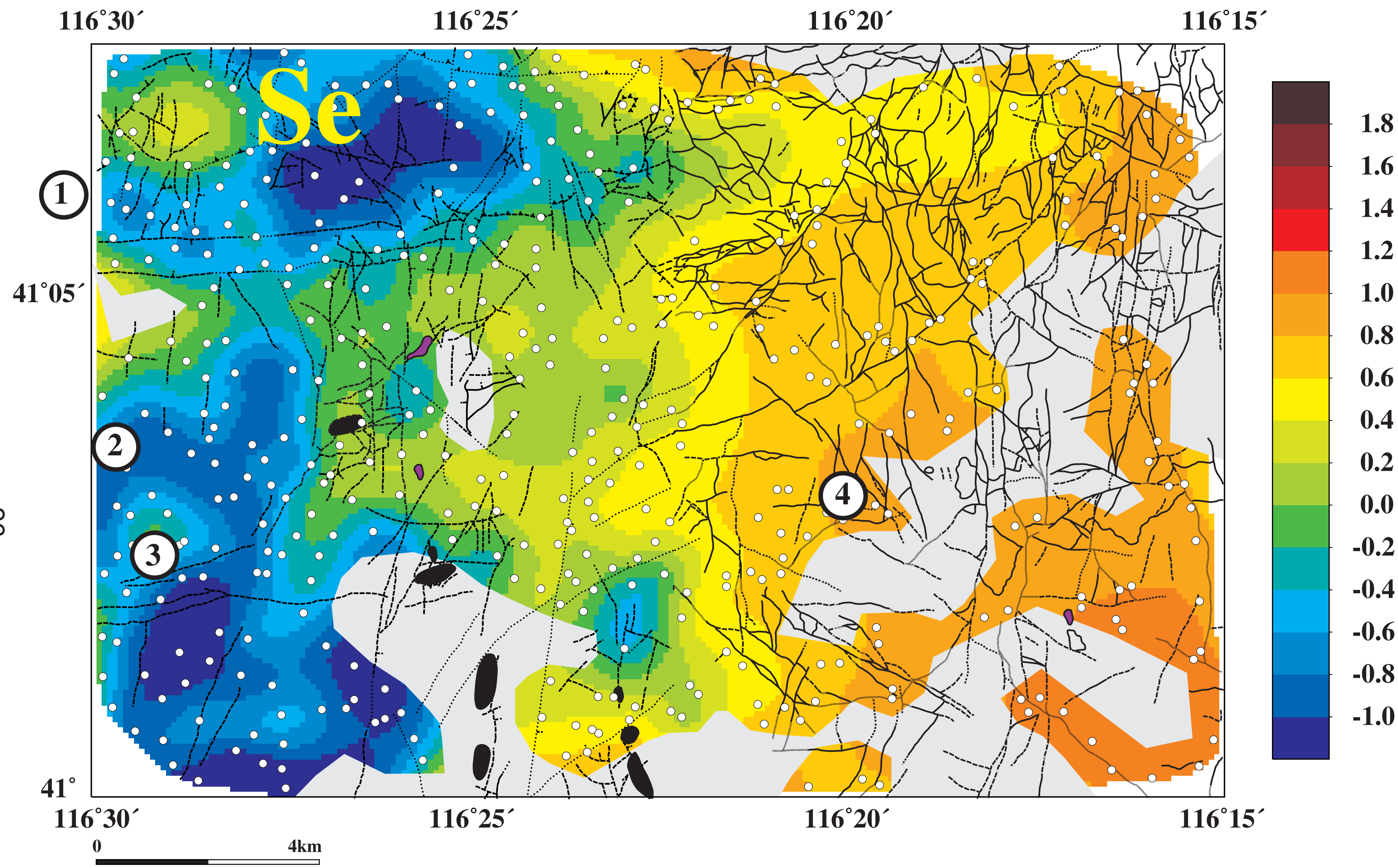

Figure 40—Distribution of selenium (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

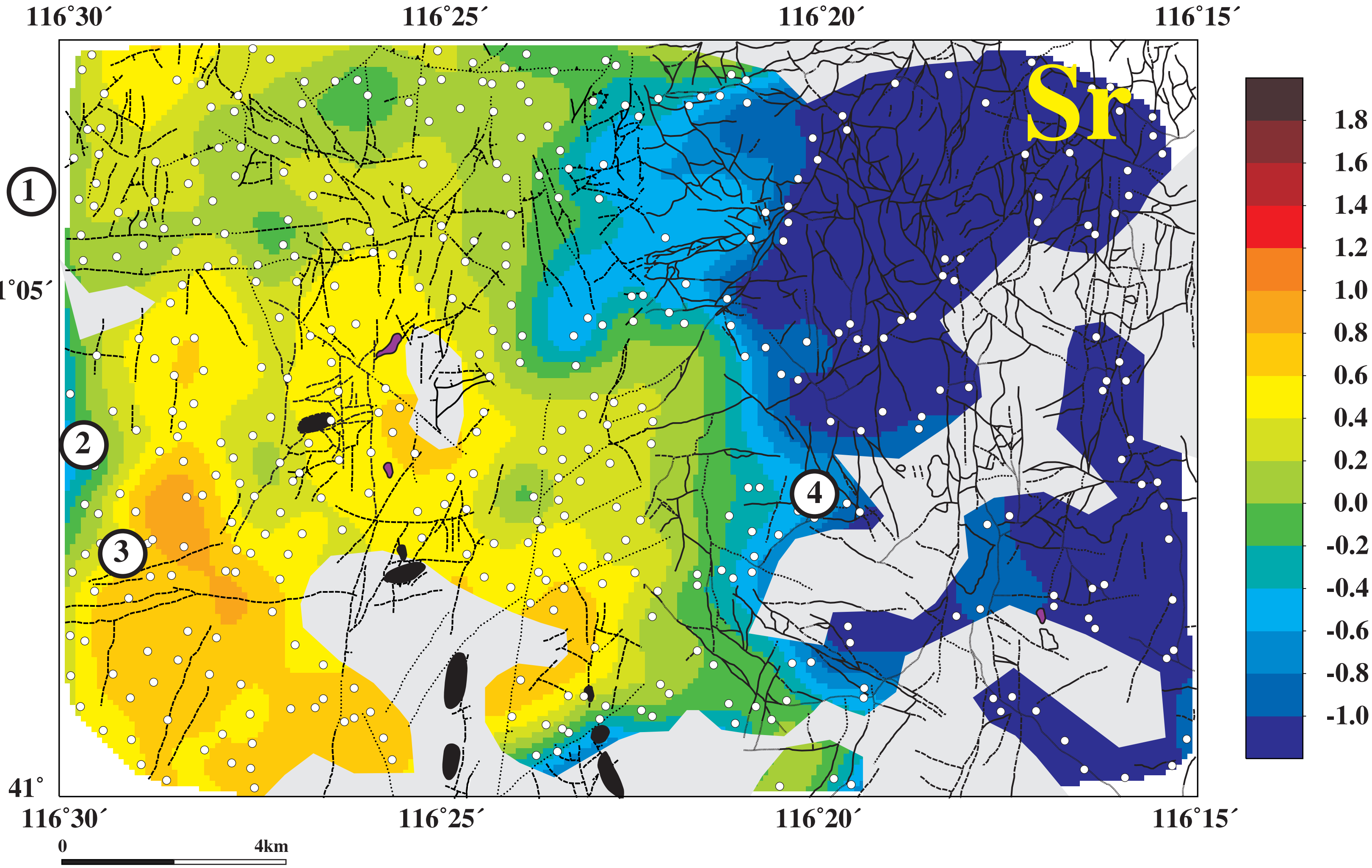

Figure 41—Distribution of strontium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

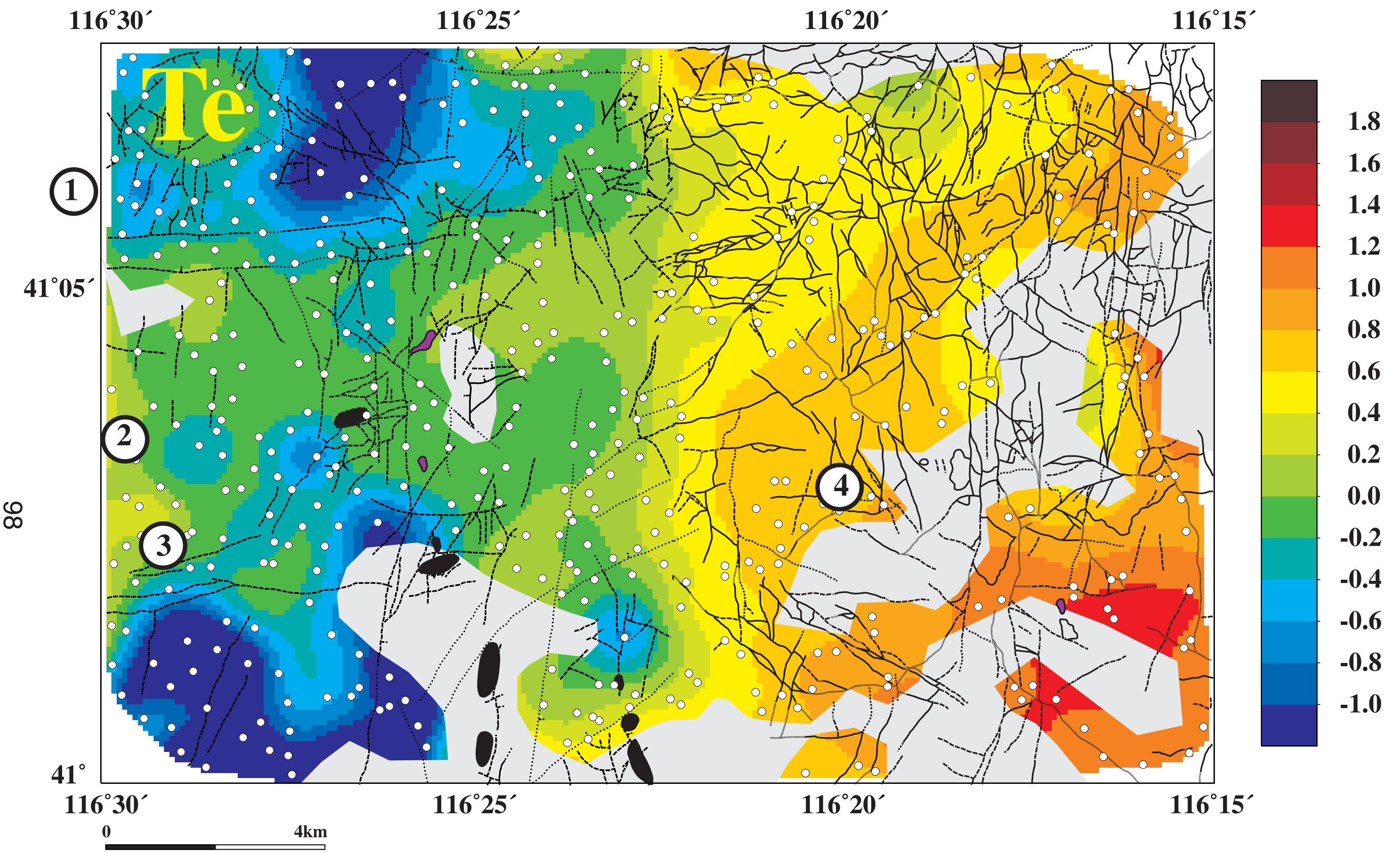

Figure 42—Distribution of tellurium (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

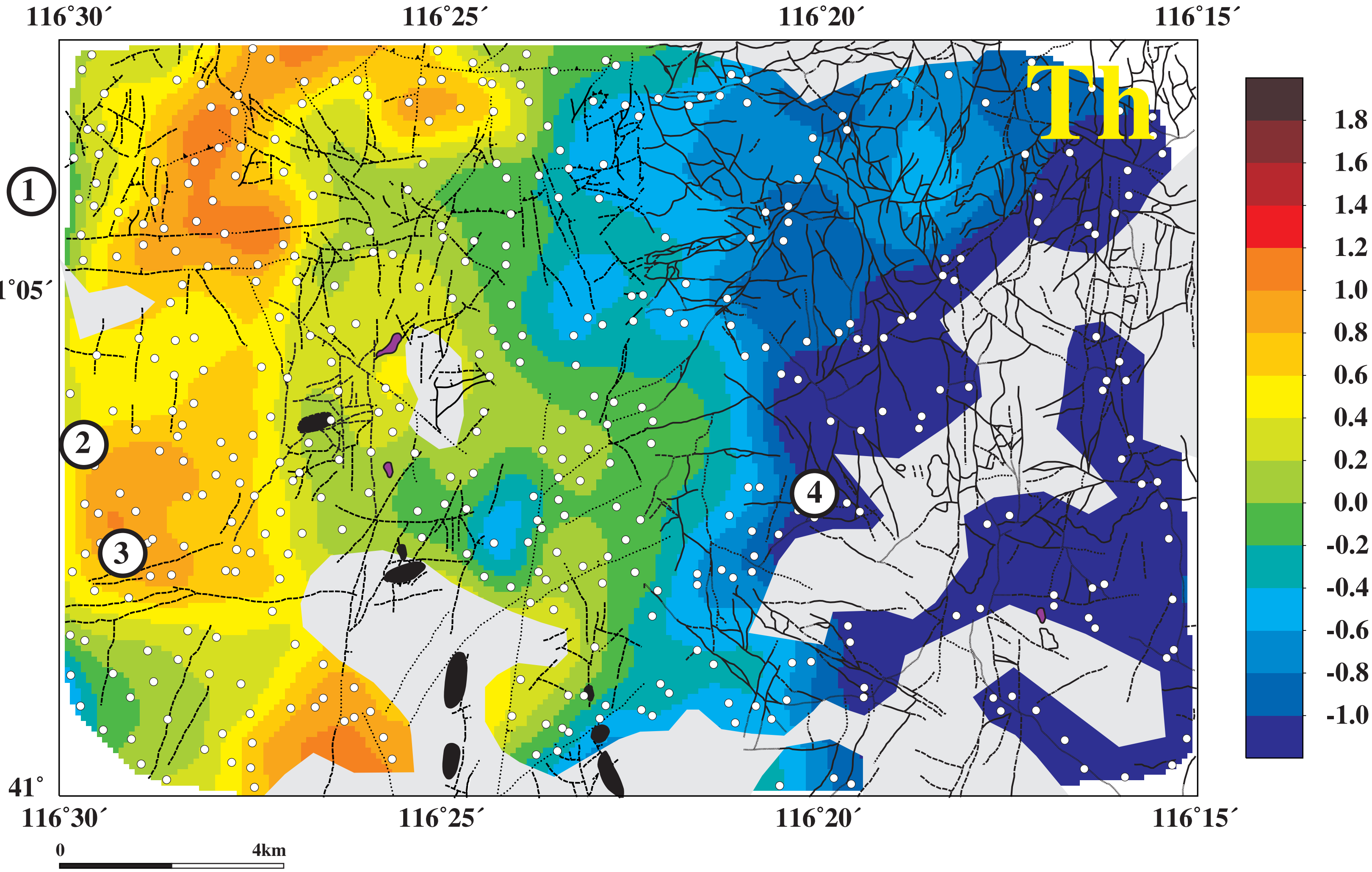

Figure 43—Distribution of thorium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

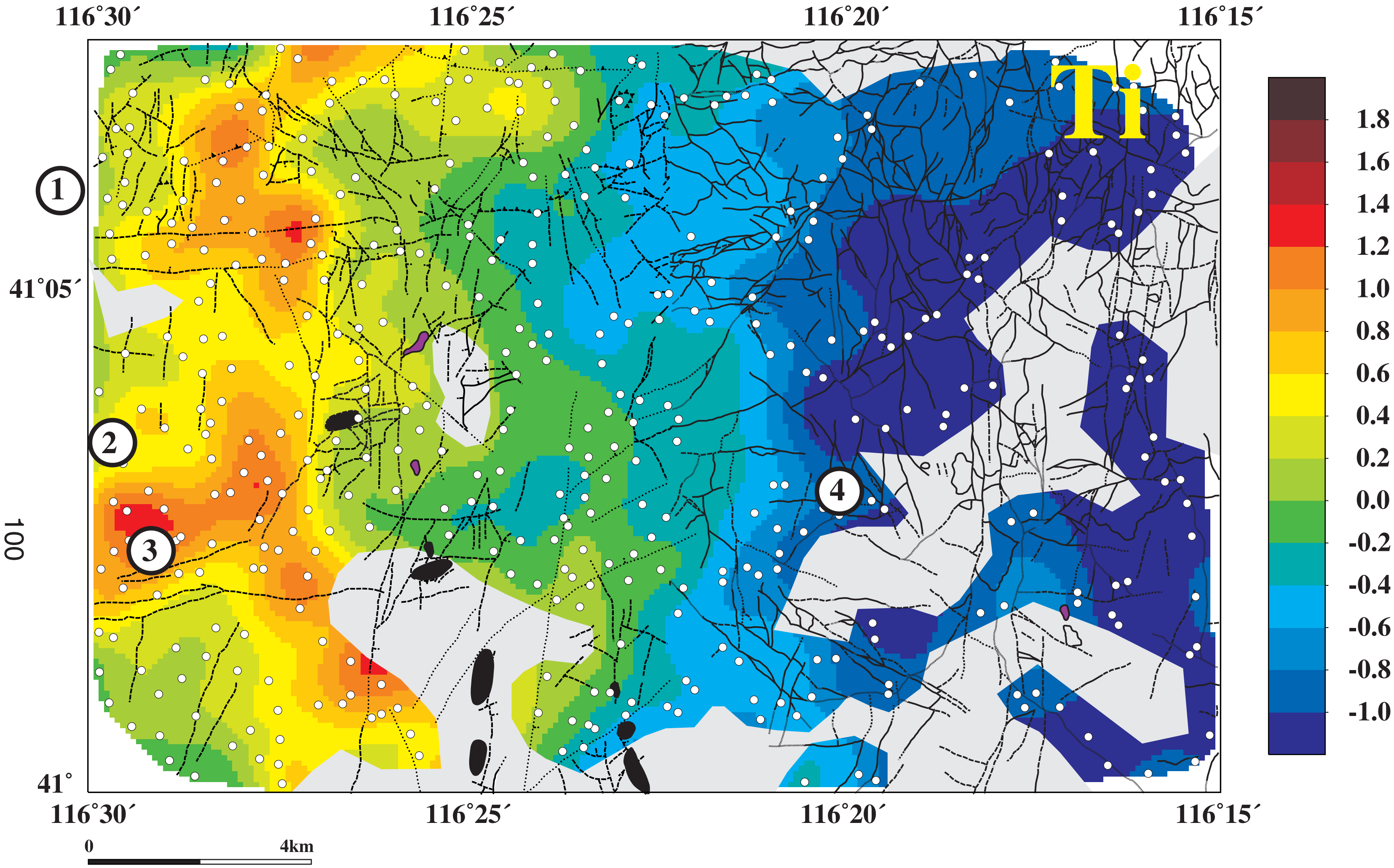

Figure 44—Distribution of titanium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

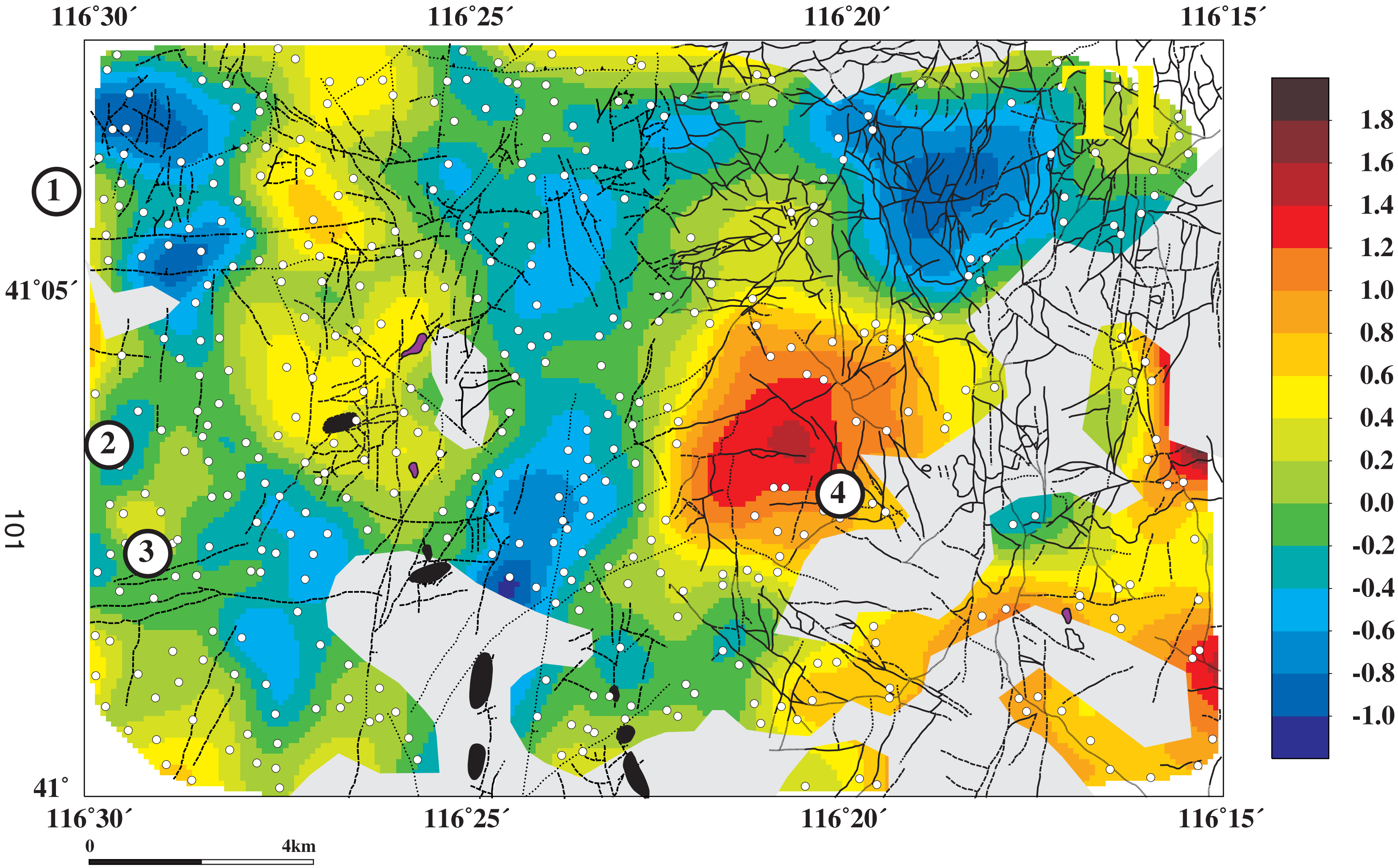

Figure 45—Distribution of thallium (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

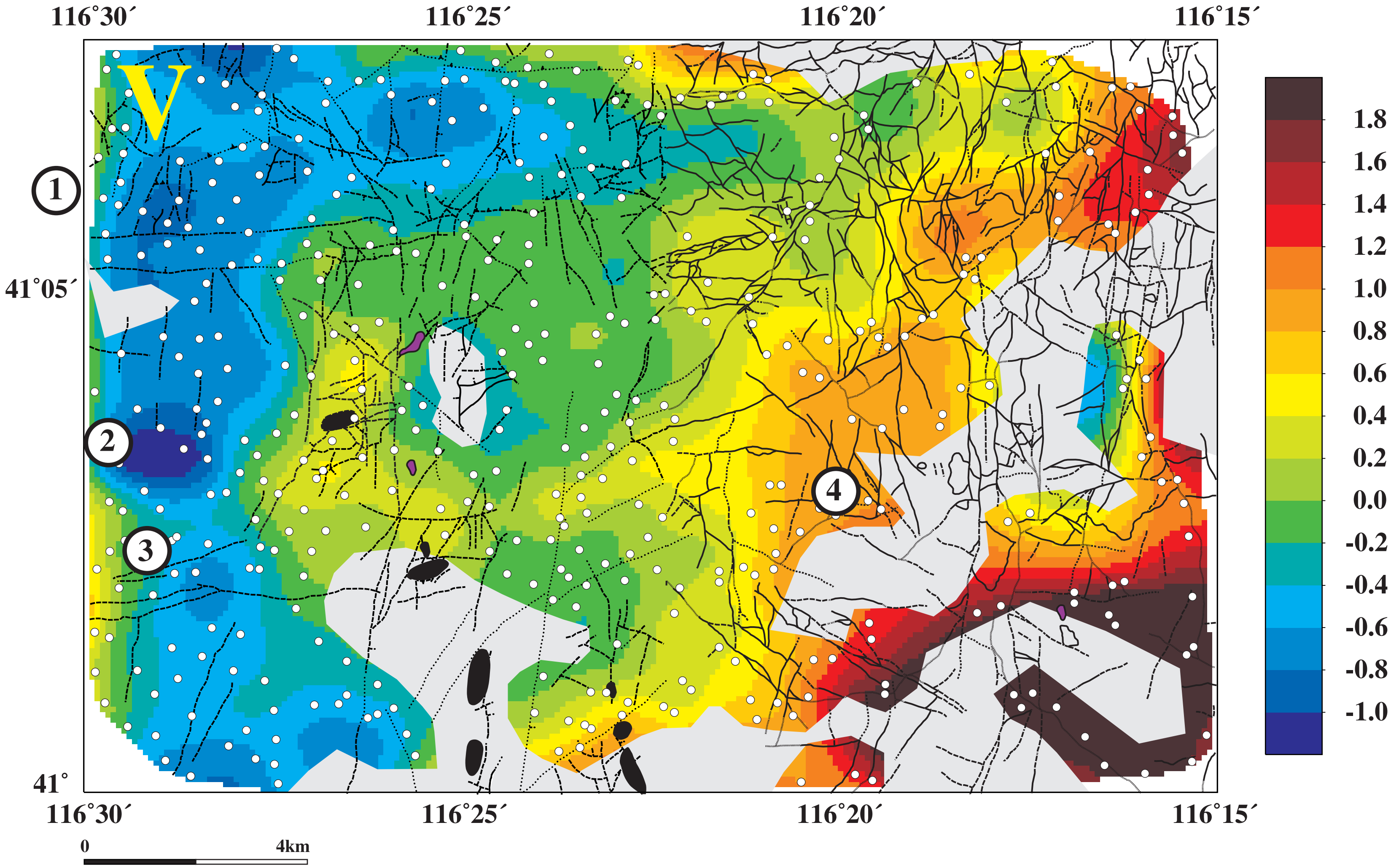

Figure 46—Distribution of vanadium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

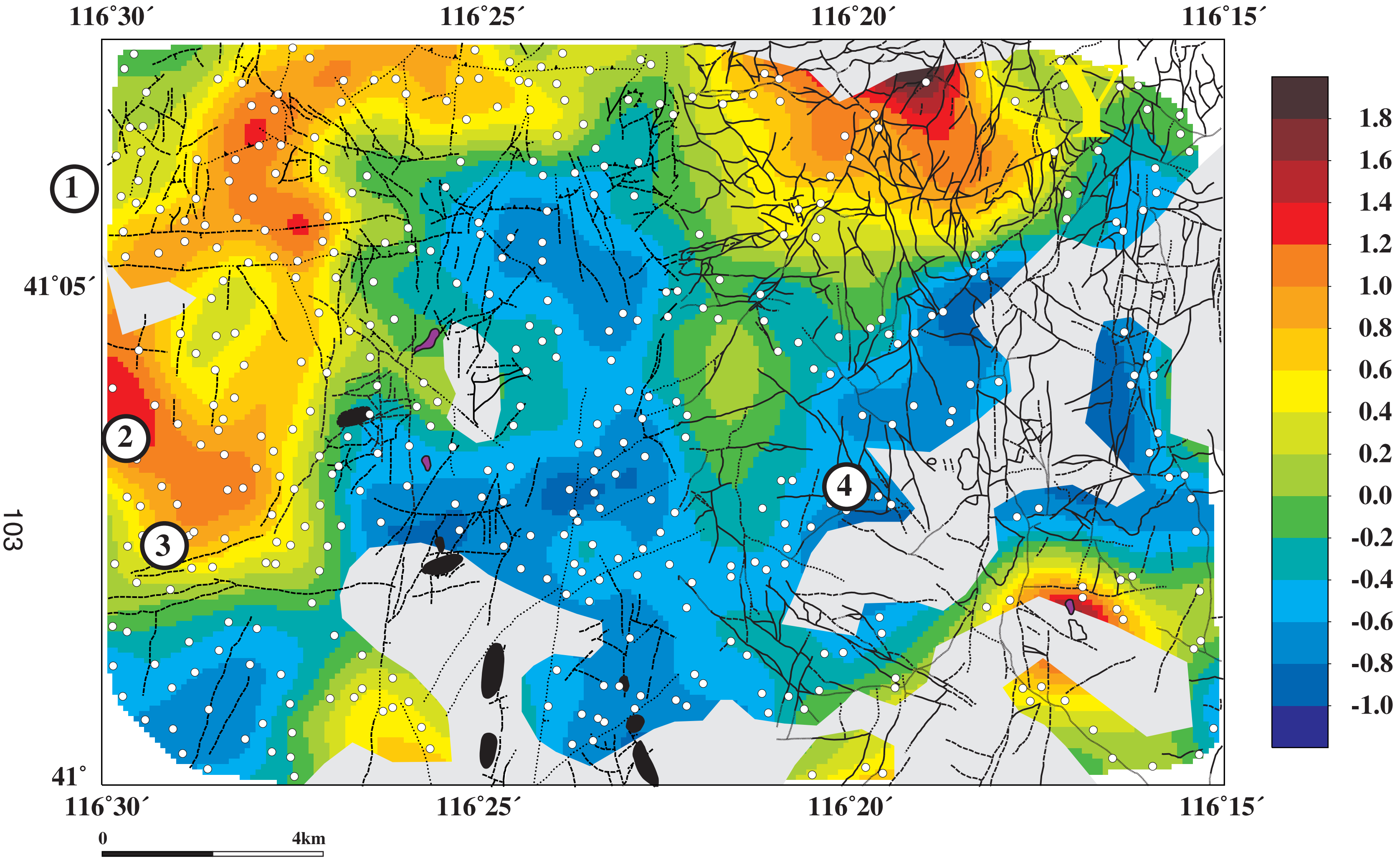

Figure 47—Distribution of yttrium (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

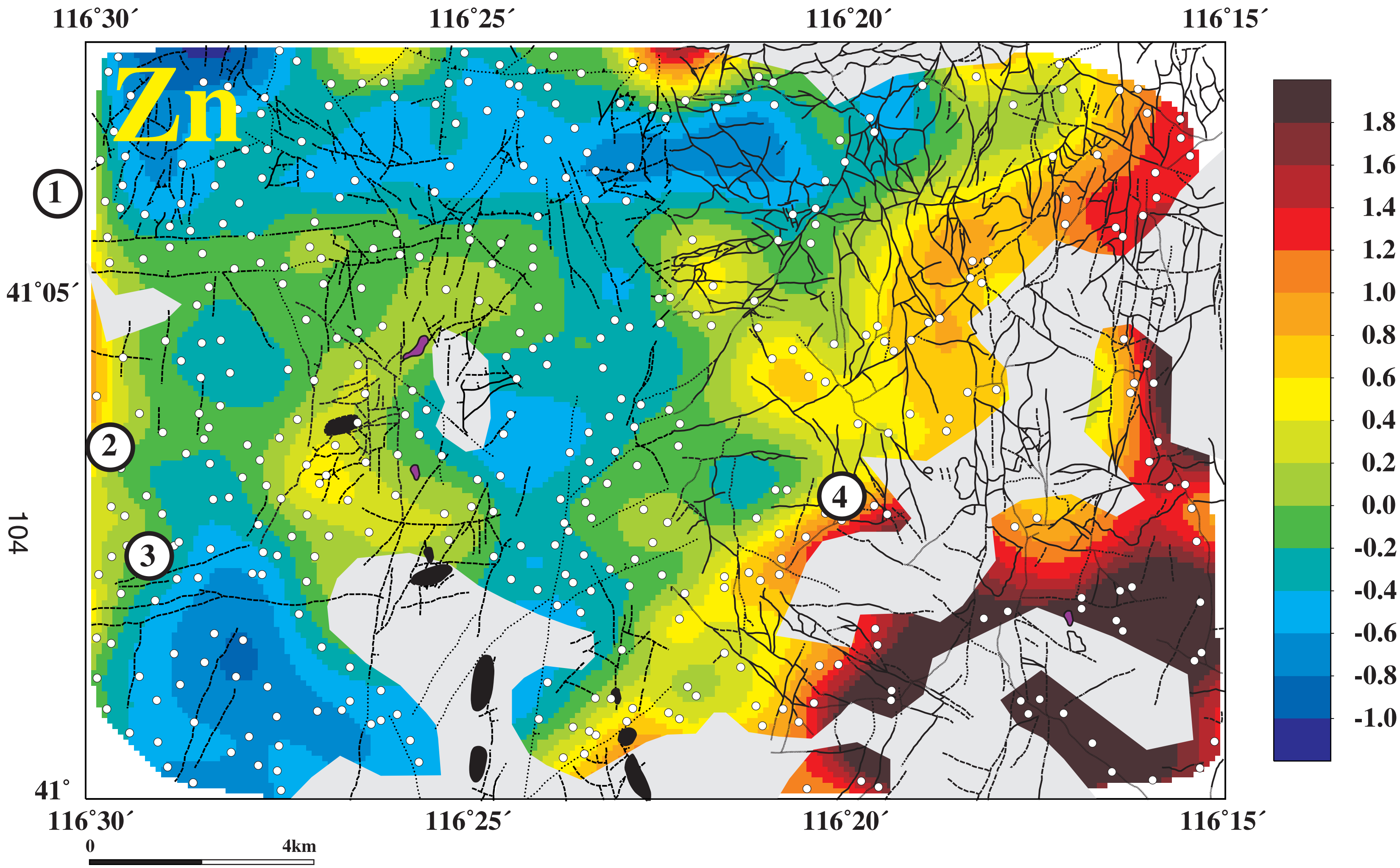

Figure 48—Distribution of zinc (total digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).

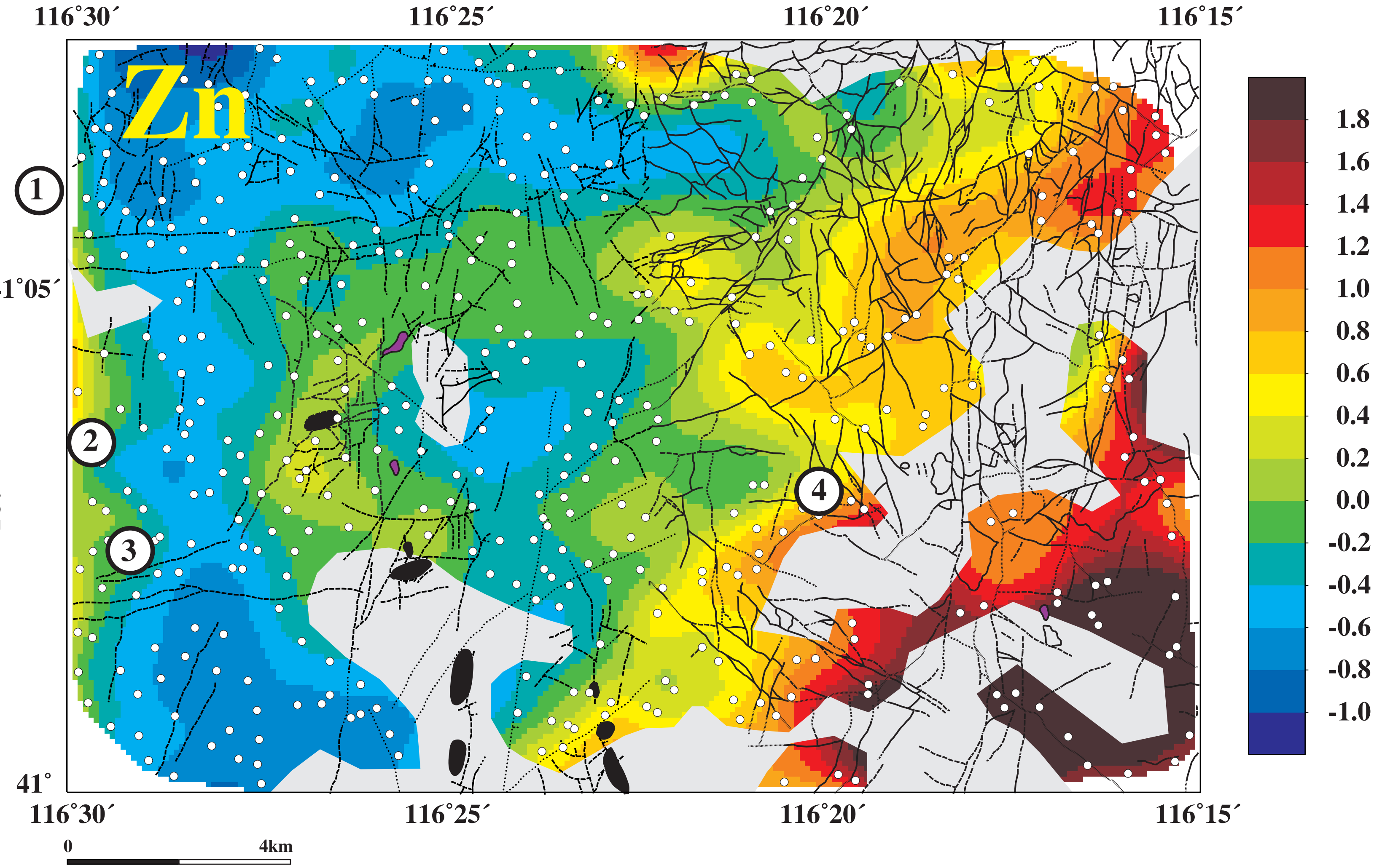

Figure 49—Distribution of zinc (partial digestion, see text) in stream-sediment samples from Santa Renia Fields and Beaver Peak quadrangles, Nev. Contours in normalized standard deviations (see text). Small open circles, sample localities; light gray areas not sampled; large numbered circles, areas of significant silica veining (see text); filled black areas, surface projection of gold deposits; filled purple areas, barite deposits; geology from Theodore and others (1998), and Theodore and others (unpub. data, 1999).