UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

GEOCHEMICAL ANALYSES OF PANNED HEAVY-MINERAL CONCENTRATES, STREAM SEDIMENTS, AND ROCK SAMPLES FROM THE EAST YUBA AND WEST YUBA ROADLESS AREAS, PLUMAS AND SIERRA COUNTIES, CALIFORNIA

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STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88-577, September 3, 1964) and related Acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of a geochemical survey of the East Yuba (5264) and West Yuba (5172) Roadless Areas in the Plumas and Tahoe National Forests, Plumas and Sierra Counties, California. These areas were classified as further planning areas during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

INTRODUCTION AND GEOLOGIC SETTING

The West Yuba Roadless Area includes 17,900 acres (72 km^2), and the East Yuba Roadless Area includes 30,900 acres (125 km^2) in the Sierra Nevada north of the North Fork of the Yuba River, in the area between Downieville, Poker Flat, and Sierra City (fig. 1).

The bedrock in the roadless areas is mostly Paleozoic metasedimentary and metavolcanic rocks that are locally overlain by Tertiary volcanic rocks and fluvial gravels. The north-trending Melones thrust fault located in the west part of the West Yuba Roadless Area separates the Pennsylvanian Calaveras Formation on the west from the Silurian(?) Shoo Fly Formation on the east. In and near the West Yuba Roadless Area, the Calveras Formation includes muscovite-chlorite phyllite and metachert with local serpentinite and metagabbro adjacent to the fault. The Shoo Fly Formation has been informally divided into three lithotectonic units (d'Allura and others, 1977; Schweickert, 1974, 1981), but only the lower two units occur in this area. The lower Shoo Fly, which is immediately east of the Melones fault, consists of interbedded quartzite, lithic sandstone, and muscovite phyllite, with local chert and black limestone. The contact between lower and middle Shoo Fly is along a north-northwest-trending fault in the slopes east of Lavezzola Creek. The middle Shoo Fly in the study area is a tectonic melange that includes blocks of limestone, greenstone, sheared conglomeratic sandstones, chert, and elongate lenses of serpentinite that typically parallel the contact with the lower Shoo Fly. In the East Yuba Roadless Area, quartz veins cut the middle Shoo Fly. Numerous lode gold mines, most of which are outside the roadless area boundary, have been developed in these veins, with recorded production totaling several million dollars (Clark, 1970). Near Spencer Lakes, there are mafic intrusive rocks and a small trondhjemite stock near the Four Hills mine. Unconformably overlying the middle Shoo Fly is the Devonian Sierra Buttes Formation, a metamorphosed sequence of silicic pyroclastic rocks with local lenses of fine-grained clastic rocks and black chert. Overlying the Paleozoic units are thick sequences of Tertiary andesitic lahars and flows with minor amounts of basalt. Underlying and within the volcanic rocks are remnants of Eocene auriferous fluvial gravel and sand in channel and flood-plain deposits. The auriferous gravels have been mined and have recorded production of a few hundred thousand dollars (Clark, 1970). Gold that is in large part reworked from Tertiary gravels is presently being mined from the creeks and rivers in and near the roadless areas.

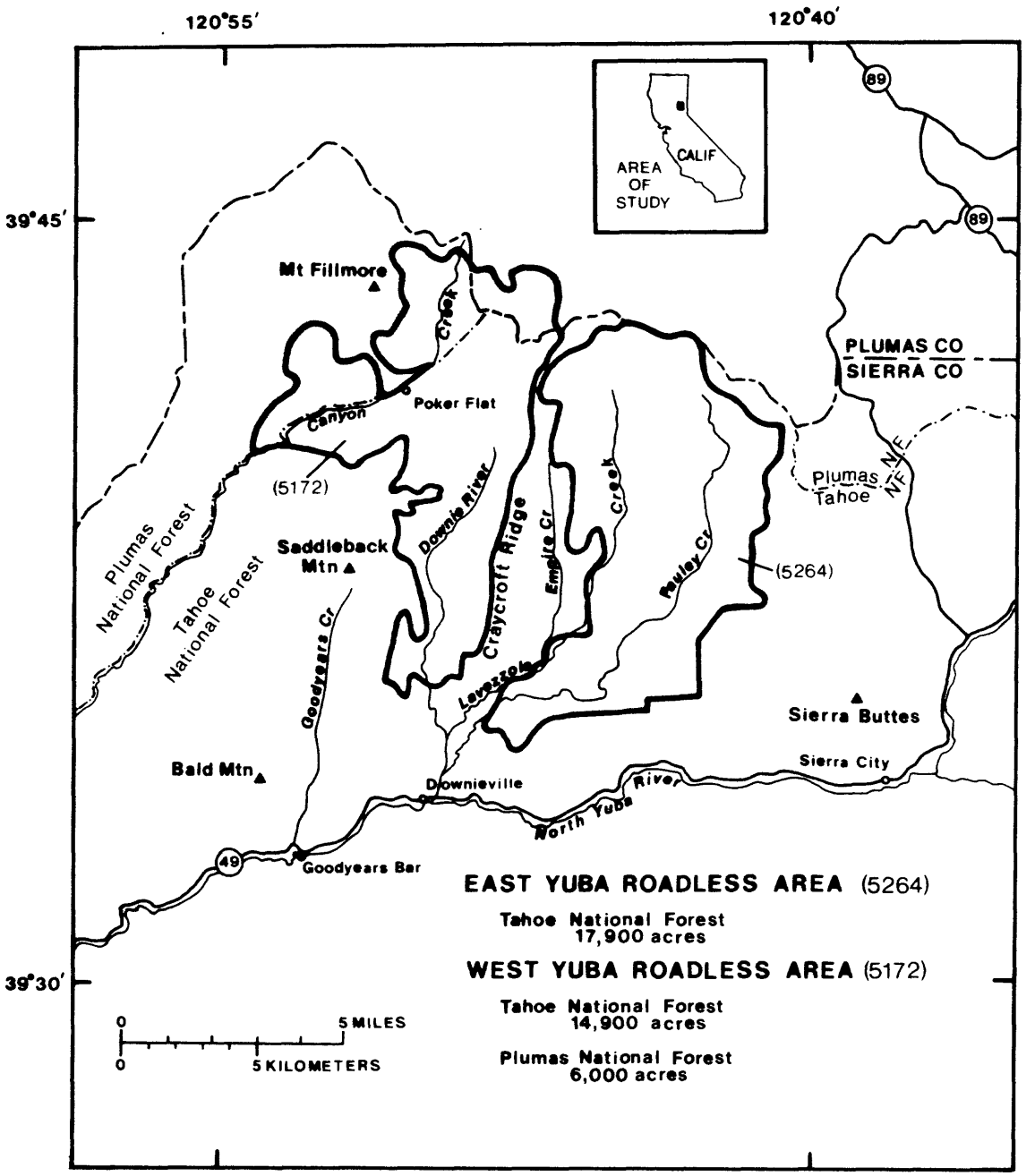

Figure 1.--Index map to the East Yuba and West Yuba Roadless Areas, Plumas and Sierra Counties, California

SAMPLE SELECTION, PREPARATION AND ANALYSIS

Rock, stream-sediment, and panned concentrate samples were collected for semiquantitative emission spectrographic analysis (see pl. 1 for sample locations). In addition, selected serpentinite and associated chromitic rock samples were analyzed for gold and platinum-group metals using atomic-absorption and fire-assay methods. Rock samples were taken from the surface, at unweathered locations where possible. These samples were selectively collected throughout the area to represent all major rock types. The stream-sediment samples were taken from the margins of active stream beds where quiet-water deposition occurred at higher water levels. The panned-concentrate samples were taken as close to bedrock as possible. The organic material and light minerals were panned away, leaving heavy minerals comprising 5 percent or less of the original volume for analysis. The samples were collected during 1980 and 1981 by J. R. Bergquist, B. C. Moring, and A. N. Nitkiewicz.

Rock samples were crushed to 0.25 in. (10 mm), split, and pulverized prior to analysis for 31 elements by standard semiquantitative emission spectrography following the techniques outlined in Grimes and Marranzino (1968) (table 1). Selected samples were also analyzed for gold and platinum-group metals following the fire-assay methods of Haffty and others (1977), and atomic-absorption methods of Ward and others (1969). Stream-sediment samples were dried, sieved to minus-80-mesh, and split. Pan-concentrate samples were dried, sieved to minus-18-mesh, and the magnetite was removed with a hand magnet. The remaining concentrate was then split into heavy and light fractions using liquid bromoform (specific gravity 2.86), and the heavy fraction was split again electromagnetically. The heavy nonmagnetic fraction of the concentrates and the stream-sediment samples were also analyzed by semiquantitative emission spectrography for 31 elements (table 1). Analyses were performed by B. Adrian, R. R. Carlson, E. F. Cooley, D. E. Detra, J. Domenico, R. T. Hopkins, and S. Sutley at the U.S. Geological Survey (USGS) in Denver, Colo.

ANALYTICAL RESULTS

All the values for the geochemical data are reported in parts per million (ppm), except Ca, Fe, Mg and Ti, which are given in percent (pct). Table 2 lists the results of analyses for 81 stream-sediment samples; table 3 lists the results of analyses for 90 panned-concentrate samples. Table 4 lists the analyses for 144 rock samples. (The qualifying code "N", found in tables 2, 3, and 4 indicates not detected within limits of analytical determination.) Analytical values are stored in the U.S. Geological Survey RASS system (Rock Analysis Storage System) (Van Trump and Miesch, 1976). The RASS program "Retrieval" (coded b860) was used to generate standard binary STATPAC (STATistical PACkage) files for rock, stream-sediment and panned-concentrate data. The STATPAC program "publst" was subsequently used to produce tables 2, 3, and 4.

Semiquantitative spectrographic analyses are reported as the midpoints of a six-step geometric interval, the boundaries of which are described in table 5. The precision of these values is approximately plus or minus one interval at 68 percent or two intervals at 98 percent confidence (J. A. Peterson, oral commun., 1980). Atomic-absorption and fire-assay methods are quantitative, and values are reported as point values.

Table 6 is an explanation of table headings and abbreviations found in tables 7, 8, and 9. Tables 7, 8, and 9 are statistical summaries of the analytical data generated using the statistical program "TOTS", written by R. D. Koch (written commun., 1981). The program generates frequency tables and histograms based on the intervals listed in table 5, and computes the arithmetic means, standard deviations, geometric means, and geometric deviations of sample populations. Because the qualified values of "N" in tables 2, 3, and 4 occur below the detection limit, they could not be used in generating data for tables 7, 8, and 9. Therefore, the values used in determining means and standard deviations are higher than those for the actual population, resulting in positive offsets for both arithmetic and geometric means.

Table 10 lists the results from the fire-assay analysis of 10 rock samples.

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Table 1.--Upper and lower limits of detection
[S, semiquantitative emission spectrometry; AA, atomic absorption spectrometry; ppm, parts per million]

Analysis type, elements, and reporting units	Determination limits for rock and stream-sediment samples		Determination limits for heavy-mineral concentrate samples	
	Lower	Upper	Lower	Upper
S-Ca, percent	0.05	20	0.1	50
S-Fe, percent	.05	20	.1	50
S-Mg, percent	.02	10	.05	20
S-Ti, percent	.002	1	.005	2
S-Ag, ppm	.5	5,000	1	10,000
S-As, ppm	200	10,000	500	20,000
S-Au, ppm	10	500	20	1,000
S-B, ppm	10	2,000	20	5,000
S-Ba, ppm	20	5,000	50	10,000
S-Be, ppm	1	1,000	2	2,000
S-Bi, ppm	10	1,000	20	2,000
S-Cd, ppm	20	500	50	1,000
S-Co, ppm	5	2,000	10	50
S-Cr, ppm	10	5,000	20	10,000
S-Cu, ppm	5	20,000	10	50,000
S-La, ppm	20	1,000	50	2,000
S-Mn, ppm	10	5,000	20	10,000
S-Mo, ppm	5	2,000	10	5,000
S-Nb, ppm	20	2,000	50	5,000
S-Ni, ppm	5	5,000	10	10,000
S-Pb, ppm	10	20,000	20	50,000
S-Th, ppm	100	2,000	200	5,000
S-Sb, ppm	100	10,000	200	20,000
S-Sc, ppm	5	100	10	200
S-Sn, ppm	10	1,000	20	2,000
S-Sr, ppm	100	5,000	200	10,000
S-V, ppm	10	10,000	20	20,000
S-W, ppm	50	10,000	100	20,000
S-Y, ppm	10	2,000	20	5,000
S-Zn, ppm	200	10,000	500	20,000
S-Zr, ppm	10	1,000	20	2,000
AA-Au, ppm	.002	--	--	--
AA-Zn, ppm	5	--	--	--

Table 2. --Geochemical data for the stream-sediment samples in the East Yuba and West Yuba Roadless Areas

Sample	Latitude	Longitude	Easting UTM	Northing UTM	Ca-pct s	Fe-pct s	Mg-pct s	Ti-pct s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
Y8001A	39 36 20	120 49 53	686,180	4,386,035	1.00	7	3.0	1.00	N	N	N	70
Y8001B	39 36 20	120 49 53	686,180	4,386,035	1.00	10	5.0	1.00	N	N	N	70
Y8002A	39 36 53	120 49 39	686,480	4,387,060	10.00	15	3.0	1.00	N	N	N	50
Y8002B	39 36 53	120 49 39	686,480	4,387,060	.20	7	1.0	.70	N	N	N	200
Y8003	39 36 8	120 49 55	686,130	4,385,650	.20	7	1.0	1.00	N	N	N	100
Y8004	39 35 57	120 47 44	689,270	4,385,380	.15	2	.5	.70	N	N	N	70
Y8005	39 37 3	120 45 39	692,200	4,387,510	.30	5	1.5	1.00	N	N	N	200
Y8006	39 37 1	120 46 38	690,800	4,387,410	.20	7	1.5	1.00	N	N	N	200
Y8007	39 37 31	120 46 26	691,060	4,388,350	.50	10	1.5	1.00	N	N	N	200
Y8008	39 36 35	120 46 56	690,390	4,386,580	.30	7	1.5	1.00	N	N	N	150
Y8009	39 38 37	120 46 31	690,880	4,390,500	1.00	5	2.0	1.00	N	N	N	70
Y8010	39 38 37	120 46 27	690,980	4,390,500	3.00	10	2.0	1.00	N	N	N	100
Y8011	39 38 20	120 46 34	690,820	4,389,840	1.00	7	1.5	1.00	N	N	N	50
Y8012	39 36 0	120 49 54	686,160	4,385,400	.70	5	.7	1.00	N	N	N	50
Y8013	39 36 41	120 49 43	686,410	4,386,680	.70	7	1.5	1.00	N	N	N	150
Y8014	39 36 51	120 49 32	686,660	4,387,010	1.50	7	1.5	>1.00	N	N	N	100
Y8015	39 38 5	120 50 21	685,440	4,389,840	7.00	5	7.0	.50	1.5	N	N	70
Y8016	39 38 25	120 50 25	685,310	4,389,860	2.00	7	3.0	.70	1.5	N	N	70
Y8017	39 38 23	120 50 27	685,280	4,389,810	1.00	5	3.0	.70	N	N	N	200
Y8018	39 37 47	120 49 30	686,670	4,388,710	1.50	7	2.0	1.00	N	N	N	150
Y8019	39 39 14	120 48 49	687,580	4,391,430	2.00	7	3.0	1.00	N	N	N	50
Y8021	39 38 52	120 49 4	687,240	4,390,860	2.00	7	2.0	1.00	N	N	N	70
Y8022	39 38 34	120 49 44	686,300	4,390,170	1.50	10	3.0	1.00	N	N	N	150
Y8023	39 39 19	120 44 46	693,350	4,391,720	2.00	7	3.0	1.00	N	N	N	30
Y8024	39 39 9	120 44 56	693,140	4,391,420	3.00	10	3.0	>1.00	N	N	N	70
Y8025	39 35 36	120 49 32	686,715	4,384,690	.20	5	.7	1.00	N	N	N	150
Y8026	39 37 23	120 49 16	687,000	4,387,990	1.50	10	2.0	>1.00	N	N	N	100
Y8027	39 40 5	120 42 33	696,500	4,393,230	1.00	5	2.0	.70	N	N	N	10
Y8028	39 40 3	120 42 31	696,550	4,393,160	.50	10	3.0	.70	N	N	N	20
Y8040	39 41 46	120 48 8	688,440	4,396,130	3.00	10	5.0	1.00	N	N	N	30
Y8041	39 41 47	120 48 4	688,540	4,396,180	3.00	5	2.0	.50	N	N	N	<10
Y8042	39 42 9	120 48 47	687,480	4,396,830	2.00	10	2.0	1.00	N	N	N	20
Y8043	39 42 5	120 48 50	687,420	4,396,700	2.00	7	2.0	1.00	N	N	N	30
Y8044	39 42 18	120 49 32	686,400	4,397,070	3.00	7	2.0	.70	N	N	N	50
Y8045	39 42 12	120 49 32	686,420	4,396,890	1.50	10	1.5	1.00	N	N	N	50
Y8046	39 41 51	120 45 12	692,630	4,396,410	3.00	10	3.0	1.00	N	N	N	N
Y8047	39 41 50	120 45 12	692,620	4,396,370	2.00	7	3.0	.70	N	N	N	30
Y8048	39 42 0	120 44 51	693,110	4,396,680	3.00	15	5.0	>1.00	N	N	N	10
Y8049	39 41 56	120 44 48	693,200	4,396,560	2.00	7	3.0	.70	N	N	N	20
Y8050	39 41 32	120 50 31	685,050	4,395,620	1.50	5	7.0	.15	N	N	N	100
Y8051	39 41 32	120 50 32	685,020	4,395,620	3.00	10	5.0	1.00	N	N	N	50
Y8052	39 41 30	120 50 56	684,450	4,395,540	.50	10	7.0	5.00	N	N	N	150
Y8053	39 37 0	120 45 34	692,330	4,387,400	15.00	10	1.5	1.00	N	N	N	20

Y8054	39 41 15	120 44 50	693,170	4,395,300	2.00	7	2.0	.30	N	N	N	10
Y8055	39 41 1	120 44 59	692,960	4,394,860	2.00	10	2.0	1.00	7.0	N	N	70

Table 2. --Geochemical data for the stream-sediment samples in the East Yuba and West Yuba Roadless Areas

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
Y8001A	500	1.5	N	50	700	70	50	1,500	N	<20	200	30	N
Y8001B	700	1.0	N	70	1,000	70	30	2,000	N	<20	200	20	N
Y8002A	200	1.0	N	20	700	70	50	1,500	N	N	70	30	N
Y8002B	700	1.5	N	20	100	50	100	1,000	N	N	70	30	N
Y8003	300	2.0	N	15	70	50	70	1,000	N	<20	30	30	N
Y8004	200	1.5	N	10	700	30	30	500	N	<20	50	20	N
Y8005	500	2.0	N	20	150	50	50	1,500	N	<20	70	50	N
Y8006	700	2.0	N	20	100	100	50	2,000	N	20	70	70	N
Y8007	500	1.0	N	50	150	70	20	2,000	N	<20	70	70	N
Y8008	500	1.5	N	20	500	70	70	1,000	N	<20	70	50	N
Y8009	300	1.5	N	20	100	30	30	1,500	N	N	50	30	N
Y8010	500	1.5	N	30	150	70	50	1,500	N	<20	70	30	N
Y8011	500	2.0	N	30	70	50	70	1,500	N	<20	50	50	N
Y8012	500	1.5	N	15	200	50	30	1,000	N	<20	70	20	N
Y8013	500	2.0	N	30	700	70	50	1,000	N	<20	150	20	N
Y8014	700	1.0	N	30	150	100	150	2,000	N	<20	50	30	N
Y8015	500	1.5	N	20	2,000	30	20	1,500	N	N	150	20	N
Y8016	1,000	1.0	N	30	300	70	<20	1,500	N	N	100	20	N
Y8017	1,000	1.5	N	20	700	70	70	1,500	10	N	200	30	N
Y8018	1,000	1.5	N	30	100	70	30	2,000	N	N	70	30	N
Y8019	500	1.0	N	20	100	30	50	2,000	N	N	50	30	N
Y8021	500	1.5	N	20	70	30	50	1,500	N	N	30	30	N
Y8022	700	1.5	N	30	100	50	30	1,500	N	<20	70	50	N
Y8023	300	1.0	N	20	1,000	70	30	1,500	N	N	150	50	N
Y8024	200	1.5	N	30	150	70	50	1,500	N	20	100	50	N
Y8025	500	1.5	N	15	500	50	50	700	N	N	50	30	N
Y8026	500	1.0	N	50	150	70	50	1,500	N	<20	50	30	N
Y8027	500	1.5	<10	20	100	50	20	2,000	N	N	50	50	N
Y8028	500	1.0	<10	20	300	150	70	1,000	N	N	30	30	N
Y8040	700	N	N	30	150	50	30	1,500	N	N	50	30	N
Y8041	700	<1.0	N	15	70	20	30	1,000	N	N	15	20	N
Y8042	700	<1.0	N	20	70	100	20	1,000	<5	N	30	30	N
Y8043	500	1.0	N	20	100	50	50	1,500	N	<20	30	30	N
Y8044	1,000	1.0	N	15	70	30	30	1,500	N	N	30	30	N
Y8045	1,000	1.0	N	20	150	70	70	2,000	<5	N	30	30	N
Y8046	300	<1.0	N	30	200	50	<20	2,000	N	N	50	20	N
Y8047	500	1.0	N	30	200	100	30	2,000	N	N	70	30	N
Y8048	300	N	N	30	150	50	20	2,000	N	N	30	30	N
Y8049	500	1.0	N	30	200	100	30	1,500	N	N	100	30	N
Y8050	300	1.0	N	70	1,000	20	N	1,000	N	N	1,500	10	N
Y8051	500	<1.0	N	30	1,000	50	N	1,500	<5	N	200	20	N
Y8052	700	1.0	N	100	3,000	50	20	1,500	<5	N	2,000	20	N
Y8053	200	<1.0	N	15	150	30	70	1,500	N	N	50	20	N
Y8054	500	2.0	N	30	150	100	30	2,000	N	N	100	50	N

Y8055	500	2.0	N	30	150	100	50	2,000	N	<20	70	50	N

Table 2. --Geochemical data for the stream-sediment samples in the East Yuba and West Yuba Roadless Areas

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
Y8001A	30	N	100	N	150	N	30	200	200
Y8001B	20	N	<100	N	150	N	20	<200	100
Y8002A	30	N	700	N	200	N	50	200	150
Y8002B	15	N	N	N	150	N	30	N	700
Y8003	10	N	N	N	100	N	30	N	300
Y8004	7	N	N	N	100	N	15	N	300
Y8005	15	N	N	N	150	N	30	<200	300
Y8006	15	N	N	N	150	N	30	N	300
Y8007	15	N	<100	N	200	N	50	<200	300
Y8008	15	N	N	N	150	N	30	N	500
Y8009	15	N	150	N	150	N	20	<200	300
Y8010	20	N	300	N	200	N	30	N	200
Y8011	15	N	100	N	200	N	30	N	300
Y8012	15	N	<100	N	200	N	30	N	200
Y8013	15	N	N	N	200	N	30	N	150
Y8014	15	N	150	N	300	N	50	<200	150
Y8015	20	N	200	N	150	N	20	N	100
Y8016	15	N	300	N	200	N	20	<200	100
Y8017	15	N	200	N	150	N	30	<200	100
Y8018	20	N	200	N	200	N	30	N	200
Y8019	15	N	300	N	300	N	20	<200	150
Y8021	15	N	300	N	200	N	30	<200	200
Y8022	20	N	300	N	300	N	30	200	150
Y8023	20	N	200	N	200	N	30	N	150
Y8024	20	N	500	N	150	N	30	<200	200
Y8025	10	N	N	N	150	N	20	<200	150
Y8026	15	N	200	N	300	N	20	200	150
Y8027	15	N	100	N	150	N	30	N	100
Y8028	15	N	N	N	100	N	30	N	100
Y8040	20	N	500	N	300	N	20	N	100
Y8041	10	N	700	N	150	N	15	N	70
Y8042	15	N	500	N	300	N	20	N	200
Y8043	15	N	500	N	200	N	20	<200	150
Y8044	15	N	500	N	150	N	20	N	100
Y8045	15	N	300	N	300	N	30	<200	150
Y8046	20	N	300	N	500	N	20	<200	100
Y8047	20	N	300	N	300	N	30	<200	150
Y8048	20	N	500	N	700	N	20	<200	200
Y8049	20	N	200	N	200	N	30	N	150
Y8050	7	N	200	N	50	N	<10	N	30
Y8051	20	N	500	N	200	N	15	N	100
Y8052	15	N	N	N	100	N	20	N	70
Y8053	20	N	1,000	N	300	N	50	N	200
Y8054	20	N	200	N	150	N	20	N	70

Y8055 20 N 300 N 200 N 30 N 200

Table 2. --Geochemical data for the stream-sediment samples in the East Yuba and West Yuba Roadless Areas --continued

Sample	Latitude	Longitude	Easting UTM	Northing UTM	Ca-pct s	Fe-pct s	Mg-pct s	Ti-pct s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
Y8056	39 40 37	120 45 4	692,880	4,394,110	1.50	7	2.0	1.00	N	N	N	70
Y8057	39 40 27	120 44 57	693,040	4,393,820	2.00	7	2.0	1.00	N	N	N	10
Y8058	39 40 4	120 44 47	693,300	4,393,100	1.00	7	3.0	1.00	N	N	N	20
Y8059	39 39 49	120 44 50	693,240	4,392,660	.70	7	3.0	1.00	N	N	N	70
Y8060	39 37 24	120 43 19	695,520	4,388,230	1.50	10	3.0	1.00	N	N	N	70
Y8061	39 37 28	120 43 27	695,330	4,388,340	2.00	10	3.0	1.00	N	N	N	70
Y8062	39 39 6	120 42 25	696,740	4,391,410	.50	7	3.0	.70	<.5	N	N	30
Y8063	39 35 33	120 47 6	690,200	4,384,690	1.00	5	1.5	.70	N	N	N	70
Y8065	39 41 30	120 50 33	684,990	4,395,550	2.00	10	7.0	.70	N	N	N	70
Y8066	39 40 3	120 42 31	696,550	4,393,160	1.00	5	1.5	.50	N	N	N	20
Y8067	39 40 3	120 42 33	696,500	4,393,160	.50	10	3.0	.70	N	N	N	20
Y8090	39 38 32	120 44 59	693,080	4,390,260	2.00	7	3.0	.70	N	N	N	70
Y8091	39 38 32	120 44 59	693,080	4,390,260	3.00	10	3.0	1.00	N	N	N	100
Y8092	39 38 28	120 44 59	693,090	4,390,140	5.00	7	2.0	.70	N	N	N	15
Y80100	39 35 35	120 44 7	694,460	4,384,840	.70	7	2.0	.70	7.0	N	N	30
Y80101	39 35 44	120 44 17	694,320	4,385,110	5.00	7	1.5	.70	N	N	N	20
Y80102	39 35 44	120 44 13	694,320	4,385,110	7.00	10	1.5	1.00	N	N	N	20
Y80103	39 35 38	120 44 13	694,320	4,384,920	1.50	10	1.5	1.00	3.0	N	N	30
Y80104	39 39 14	120 48 49	687,580	4,391,430	3.00	7	3.0	.70	N	N	N	70
Y80105	39 39 12	120 48 47	687,610	4,391,360	3.00	7	3.0	.50	N	N	N	10
Y80106	39 39 14	120 48 49	687,580	4,391,430	3.00	10	5.0	1.00	N	N	N	30
Y80107	39 39 12	120 48 47	687,610	4,391,360	3.00	10	5.0	.70	N	N	N	20
Y81500S	39 39 8	120 42 5	697,200	4,391,490	.70	5	2.0	.70	N	N	N	20
Y81502S	39 39 5	120 42 6	697,185	4,391,390	.70	7	2.0	.30	N	N	N	20
Y81503S	39 43 34	120 49 26	686,500	4,399,430	2.00	5	1.5	.30	N	N	N	20
Y81504S	39 43 33	120 49 30	686,410	4,399,400	5.00	3	2.0	.30	N	N	N	30
Y81505S	39 43 2	120 49 29	686,450	4,398,430	7.00	3	1.5	.70	N	N	N	20
Y81507S	39 42 21	120 50 8	685,550	4,397,160	5.00	3	1.5	.20	N	N	N	50
Y81508S	39 42 2	120 50 20	685,290	4,396,550	5.00	5	5.0	.50	N	N	N	20
Y81509S	39 41 52	120 50 21	685,270	4,396,240	3.00	5	3.0	.70	N	N	N	20
Y81511S	39 42 30	120 50 11	685,470	4,397,420	3.00	5	2.0	.50	N	N	N	20
Y81512S	39 43 36	120 47 30	689,260	4,399,550	7.00	5	3.0	.30	N	N	N	20
Y81513S	39 43 33	120 47 32	689,210	4,399,470	7.00	3	2.0	.30	N	N	N	20
Y81514S	39 41 24	120 52 25	682,340	4,395,310	1.50	3	1.0	1.00	N	N	N	50
Y81515S	39 40 38	120 53 10	681,300	4,393,870	7.00	3	3.0	.20	N	N	N	30
Y81516S	39 42 51	120 52 17	682,450	4,398,000	7.00	7	3.0	.30	N	N	N	20

Table 2. --Geochemical data for the stream-sediment samples in the East Yuba and West Yuba Roadless Areas --continued

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
Y8056	500	2.0	N	20	150	70	70	2,000	N	N	70	30	N
Y8057	500	1.0	N	20	70	50	30	2,000	N	N	30	30	N
Y8058	300	1.0	N	20	200	100	30	1,500	N	N	100	70	N
Y8059	500	1.0	N	30	700	70	20	1,500	N	N	150	30	N
Y8060	500	1.0	N	50	300	70	30	1,500	N	N	100	50	N
Y8061	700	1.0	N	50	500	70	30	1,500	N	N	100	30	N
Y8062	700	1.0	N	20	100	150	20	1,500	N	<20	50	50	N
Y8063	500	1.5	N	15	100	30	70	1,000	N	<20	70	20	N
Y8065	700	<1.0	N	50	1,000	50	20	1,500	N	N	300	20	N
Y8066	700	1.5	N	20	100	50	30	2,000	N	N	30	30	N
Y8067	500	1.5	N	20	70	150	30	1,500	N	N	30	30	N
Y8090	500	2.0	N	30	150	150	30	1,500	N	N	70	30	N
Y8091	700	1.5	N	50	500	150	50	2,000	N	<20	150	30	N
Y8092	500	1.5	N	15	100	30	30	1,500	N	N	50	20	N
Y80100	500	1.5	N	50	200	150	30	2,000	N	N	150	300	N
Y80101	300	1.5	N	30	150	100	30	2,000	N	N	100	20	N
Y80102	500	1.0	N	50	300	70	30	2,000	N	N	100	20	N
Y80103	500	1.0	N	30	3,000	70	50	1,500	N	N	150	300	N
Y80104	700	1.0	N	20	150	50	50	2,000	N	N	50	30	N
Y80105	700	<1.0	N	20	100	50	20	2,000	N	N	30	30	N
Y80106	500	N	N	30	200	50	30	2,000	N	N	50	30	N
Y80107	700	<1.0	N	20	150	50	30	2,000	N	N	30	30	N
Y81500S	700	1.0	N	20	200	70	N	1,000	N	N	30	50	N
Y81502S	500	1.0	N	20	150	70	N	700	N	N	20	50	N
Y81503S	500	1.0	N	15	150	30	30	2,000	N	N	20	70	N
Y81504S	700	1.0	N	15	70	20	N	700	N	N	20	30	N
Y81505S	700	1.0	N	20	100	50	30	1,000	N	N	30	20	N
Y81507S	700	1.5	N	15	70	30	30	700	N	N	50	30	N
Y81508S	500	1.0	N	30	1,000	50	N	1,000	N	N	150	30	N
Y81509S	500	1.0	N	20	1,500	50	N	1,000	N	N	100	30	N
Y81511S	700	1.5	N	20	150	50	30	1,000	N	<20	70	30	N
Y81512S	300	<1.0	N	15	70	30	N	1,000	N	N	15	20	N
Y81513S	500	1.0	N	15	70	30	N	700	N	N	10	30	N
Y81514S	300	1.0	N	15	500	50	N	700	N	<20	70	30	N
Y81515S	300	<1.0	N	15	100	50	N	1,500	N	N	70	50	N
Y81516S	500	1.0	N	15	100	20	N	1,500	N	N	20	20	N

Table 2. --Geochemical data for the stream-sediment samples in the East Yuba and West Yuba Roadless Areas --continued

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
Y8056	15	N	200	N	150	N	30	<200	200
Y8057	15	N	300	N	300	N	30	N	150
Y8058	15	N	N	N	150	N	30	N	150
Y8059	20	N	<100	N	150	N	30	<200	200
Y8060	30	N	200	N	150	N	30	N	150
Y8061	30	N	200	N	150	N	30	N	150
Y8062	15	N	N	N	100	N	30	200	150
Y8063	15	N	150	N	100	N	30	N	300
Y8065	20	N	500	N	150	N	15	<200	100
Y8066	15	N	<100	N	100	N	30	N	100
Y8067	20	N	N	N	100	N	30	N	150
Y8090	20	N	200	N	150	N	30	N	150
Y8091	30	N	200	N	200	N	70	<200	200
Y8092	20	N	500	N	100	N	30	N	200
Y80100	20	N	N	N	150	N	20	N	300
Y80101	20	N	300	N	150	N	30	<200	150
Y80102	30	N	300	N	200	N	30	N	150
Y801C3	20	N	100	N	200	N	30	N	>1,000
Y80104	20	N	500	N	200	N	20	N	100
Y80105	15	N	500	N	200	N	15	N	70
Y80106	30	N	500	N	300	N	30	N	200
Y80107	20	N	700	N	300	N	20	N	150
Y81500S	20	N	100	N	150	N	30	<200	150
Y81502S	15	N	100	N	100	N	50	200	100
Y81503S	15	N	700	N	150	N	30	N	150
Y81504S	15	N	700	N	150	N	20	N	100
Y81505S	15	N	700	N	200	N	30	N	150
Y81507S	15	N	700	N	100	N	20	N	70
Y81508S	15	N	700	N	150	N	30	N	150
Y81509S	15	N	700	N	150	N	20	N	150
Y81511S	15	N	700	N	200	N	30	N	150
Y81512S	15	N	1,500	N	200	N	30	N	150
Y81513S	20	N	1,000	N	150	N	30	N	150
Y81514S	15	N	150	N	200	N	50	N	200
Y81515S	10	N	200	N	100	N	30	N	70
Y81516S	15	N	300	N	150	N	30	N	100

Table 3. --Geochemical data for the panned-concentrate samples in the East Yuba and West Yuba Roadless Areas

Sample	Latitude	Longitude	Easting UTM	Northing UTM	Ca-pct s	Fe-pct s	Mg-pct s	Ti-pct s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
Y80001B	39 36 20	120 49 53	686,180	4,386,035	.50	1.5	.20	>2.0	N	N	N	70
Y80002B	39 36 53	120 49 39	686,480	4,387,060	1.50	5.0	.20	>2.0	<1	N	N	200
Y8001A	39 36 20	120 49 53	686,180	4,386,035	.70	7.0	.15	2.0	N	N	N	20
Y8002A	39 36 53	120 49 39	686,480	4,387,060	.15	1.5	.15	2.0	N	N	N	50
Y8003	39 36 8	120 49 55	686,130	4,385,650	<.10	.7	.10	2.0	N	N	<20	30
Y8004	39 35 57	120 47 44	689,270	4,385,380	.15	1.0	.20	2.0	N	N	N	150
Y8005	39 37 3	120 45 39	692,200	4,387,510	10.00	15.0	.70	>2.0	N	<500	<20	50
Y8006	39 37 1	120 46 38	690,800	4,387,410	.30	2.0	.50	2.0	N	N	N	200
Y8007	39 37 31	120 46 26	691,060	4,388,350	.50	2.0	.30	2.0	N	N	N	200
Y8008	39 36 35	120 46 56	690,390	4,386,580	.15	2.0	.30	2.0	N	N	N	150
Y8009	39 38 37	120 46 31	690,880	4,390,500	3.00	1.5	.50	>2.0	N	N	N	100
Y8010	39 38 37	120 46 27	690,980	4,390,500	10.00	10.0	1.00	>2.0	N	N	N	300
Y8011	39 38 20	120 46 34	690,820	4,389,840	.20	.5	.15	2.0	N	N	N	20
Y8012	39 36 0	120 49 54	686,160	4,385,400	1.00	.7	1.00	2.0	N	N	N	30
Y8013	39 36 41	120 49 43	686,410	4,386,680	.15	1.0	.70	2.0	N	N	N	50
Y8014	39 36 51	120 49 32	686,660	4,387,010	2.00	1.5	.30	2.0	<1	N	N	100
Y8015	39 38 24	120 50 20	685,440	4,389,840	5.00	1.0	3.00	2.0	N	N	N	30
Y8016	39 38 25	120 50 25	685,310	4,389,860	10.00	5.0	3.00	>2.0	N	<500	N	50
Y8017	39 38 23	120 50 27	685,280	4,389,810	.20	10.0	.20	2.0	7	2,000	<20	50
Y8018	39 37 47	120 49 30	686,670	4,388,710	2.00	10.0	.70	>2.0	<1	3,000	N	200
Y8019	39 39 14	120 48 49	687,580	4,391,430	2.00	7.0	.20	2.0	N	N	N	30
Y8021	39 38 52	120 49 4	687,240	4,390,860	1.50	10.0	.50	2.0	5	N	30	30
Y8022	39 38 34	120 49 44	686,300	4,390,170	2.00	10.0	1.00	2.0	1	N	N	50
Y8023	39 39 19	120 44 46	693,350	4,391,720	5.00	2.0	1.00	2.0	N	N	N	100
Y8024	39 39 9	120 44 56	693,140	4,391,420	3.00	1.5	.70	2.0	N	N	N	50
Y8025	39 35 36	120 49 32	686,715	4,384,690	.20	10.0	.10	2.0	<1	N	N	30
Y8026	39 37 23	120 49 16	687,000	4,387,990	2.00	10.0	.20	2.0	<1	N	N	50
Y8027	39 40 5	120 42 33	696,500	4,393,230	2.00	1.0	1.00	2.0	<1	N	N	20
Y8028	39 40 3	120 42 31	696,550	4,393,160	3.00	.7	.70	2.0	<1	N	N	20
Y8040	39 41 46	120 48 8	688,440	4,396,130	3.00	2.0	1.50	2.0	N	N	N	20
Y8041	39 41 47	120 48 4	688,540	4,396,180	3.00	1.5	1.00	2.0	N	N	N	20
Y8042	39 42 9	120 48 47	687,480	4,396,830	3.00	5.0	.20	2.0	<1	N	N	50
Y8043	39 42 5	120 48 50	687,420	4,396,700	2.00	7.0	.20	2.0	N	N	N	20
Y8044	39 42 18	120 49 32	686,400	4,397,070	3.00	2.0	.30	2.0	N	N	N	20
Y8045	39 42 12	120 49 32	686,420	4,396,890	3.00	2.0	.50	2.0	N	N	N	70
Y8046	39 41 51	120 45 12	692,630	4,396,410	3.00	2.0	1.00	>2.0	N	N	N	30
Y8047	39 41 50	120 45 12	692,620	4,396,370	3.00	2.0	1.00	2.0	N	N	N	50
Y8048	39 42 0	120 44 51	693,110	4,396,680	2.00	3.0	1.00	2.0	N	N	N	30
Y8049	39 41 56	120 44 48	693,200	4,396,560	3.00	2.0	1.00	2.0	N	N	N	50
Y8050	39 41 32	120 50 31	685,050	4,395,620	3.00	3.0	3.00	2.0	N	N	N	50
Y8051	39 41 32	120 50 32	685,020	4,395,620	3.00	2.0	3.00	2.0	N	N	N	30
Y8052	39 41 30	120 50 56	684,450	4,395,540	3.00	1.0	1.00	2.0	N	N	N	20
Y8053	39 37 0	120 45 34	692,330	4,387,400	2.00	.7	.30	>2.0	N	N	N	20
Y8054	39 41 15	120 44 50	693,170	4,395,300	5.00	2.0	1.00	2.0	N	N	N	150
Y8055	39 41 1	120 44 59	692,960	4,394,860	5.00	1.5	1.00	1.0	N	N	N	100

Table 3. --Geochemical data for the panned-concentrate samples in the East Yuba and West Yuba Roadless Areas

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
Y80001B	1,500	2	N	20	150	20	100	200	N	150	50	200	N
Y80002B	700	N	N	50	300	150	500	100	N	200	100	50	N
Y8001A	500	<2	N	100	100	200	<50	200	N	100	100	2,000	N
Y8002A	500	<2	N	30	100	150	150	200	N	150	50	100	N
Y8003	700	2	N	20	1,000	100	150	200	N	200	30	50	N
Y8004	500	2	N	20	300	70	300	500	N	150	30	100	N
Y8005	700	N	N	100	100	300	100	500	N	70	200	300	N
Y8006	500	2	N	30	200	100	150	700	N	100	50	100	N
Y8007	1,000	2	N	30	300	100	200	700	N	150	50	100	N
Y8008	700	2	N	20	300	100	150	500	N	100	30	50	N
Y8009	700	N	N	20	200	100	300	200	N	100	30	30	N
Y8010	500	<2	N	30	200	70	200	1,000	N	70	70	100	N
Y8011	500	<2	N	10	70	15	N	150	N	100	10	70	N
Y8012	700	2	N	20	500	100	N	500	N	200	30	50	N
Y8013	1,000	2	N	30	500	100	150	300	N	200	70	70	N
Y8014	1,000	3	N	20	100	100	150	700	N	70	30	70	N
Y8015	700	<2	N	20	2,000	15	N	500	N	N	70	20	N
Y8016	1,000	N	N	30	1,000	100	150	700	10	70	150	200	N
Y8017	700	2	N	30	100	500	N	200	N	150	300	70	N
Y8018	1,000	<2	N	50	150	200	500	500	<10	100	100	70	N
Y8019	500	<2	N	50	70	150	100	500	N	50	100	70	N
Y8021	500	<2	N	100	300	200	200	500	N	50	200	100	N
Y8022	700	<2	N	100	300	300	200	700	N	50	300	300	N
Y8023	500	<2	N	15	300	50	N	500	N	<50	50	20	N
Y8024	500	2	<20	10	200	100	N	700	N	70	30	20	N
Y8025	500	<2	N	100	200	200	300	150	N	100	200	200	N
Y8026	500	<2	N	150	300	500	100	200	N	<50	300	200	N
Y8027	700	<2	500	15	200	70	<50	700	10	50	20	70	N
Y8028	2,000	2	70	15	200	100	<50	300	N	100	10	70	N
Y8040	1,500	<2	<20	20	200	100	<50	700	N	N	30	50	N
Y8041	3,000	<2	N	20	150	20	150	700	N	50	15	20	N
Y8042	>10,000	<2	N	30	50	500	200	700	N	50	70	200	N
Y8043	5,000	<2	N	70	70	150	200	200	300	50	70	300	N
Y8044	>10,000	<2	N	20	50	20	150	500	N	50	20	70	N
Y8045	>10,000	2	N	20	70	100	200	700	N	70	50	50	N
Y8046	500	<2	N	20	300	100	N	1,000	N	<50	50	50	N
Y8047	500	2	N	20	300	20	N	1,000	N	50	50	20	N
Y8048	700	<2	N	30	150	70	N	700	N	<50	30	30	N
Y8049	700	<2	<20	20	150	20	N	500	N	70	30	300	N
Y8050	1,000	<2	N	30	500	70	N	1,000	N	<50	300	30	N
Y8051	700	<2	N	20	2,000	20	N	1,000	<10	50	150	20	N
Y8052	>10,000	2	N	50	1,000	150	N	700	5	150	300	30	N
Y8053	500	<2	N	10	50	10	N	300	N	<50	10	20	N
Y8054	300	<2	<20	10	150	20	N	700	N	N	20	20	N
Y8055	150	3	<20	10	100	20	100	700	<10	50	20	30	N

Table 3. --Geochemical data for the panned-concentrate samples in the East Yuba and West Yuba Roadless Areas

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
Y80001B	70	N	<200	N	150	N	200	N	>2,000
Y80002B	100	N	500	N	200	<100	500	500	>2,000
Y8001A	50	100	<200	N	100	N	200	N	>2,000
Y8002A	50	N	<200	N	150	N	200	N	>2,000
Y8003	70	N	<200	N	150	<100	200	N	>2,000
Y8004	100	N	<200	<200	150	N	300	N	>2,000
Y8005	50	100	500	N	150	700	200	N	>2,000
Y8006	20	N	200	N	150	N	150	N	>2,000
Y8007	30	N	200	N	150	N	200	N	>2,000
Y8008	20	N	<200	N	150	N	150	N	>2,000
Y8009	70	N	500	N	150	N	500	N	>2,000
Y8010	50	N	1,000	N	300	N	200	N	>2,000
Y8011	20	50	<200	N	100	N	150	N	>2,000
Y8012	70	70	<200	N	200	<100	150	N	>2,000
Y8013	70	N	<200	N	150	<100	300	N	>2,000
Y8014	30	N	500	N	300	100	150	N	2,000
Y8015	30	N	200	N	70	N	50	N	1,500
Y8016	70	300	500	N	150	<100	200	N	>2,000
Y8017	20	N	N	N	100	200	200	<500	500
Y8018	50	N	300	N	200	<100	300	N	>2,000
Y8019	20	N	<200	N	100	N	200	N	>2,000
Y8021	20	20	200	N	100	N	200	N	>2,000
Y8022	20	N	500	N	100	N	200	700	>2,000
Y8023	20	N	500	N	150	N	100	N	2,000
Y8024	30	N	700	N	200	N	50	N	2,000
Y8025	30	N	<200	N	150	N	200	1,000	>2,000
Y8026	15	N	200	N	100	N	150	<500	2,000
Y8027	30	N	<200	N	150	100	150	N	2,000
Y8028	50	<20	<200	N	150	150	200	N	2,000
Y8040	20	N	500	N	100	N	50	N	2,000
Y8041	30	N	700	N	100	N	150	N	>2,000
Y8042	15	N	500	N	150	N	150	1,500	>2,000
Y8043	10	<20	500	N	100	N	100	N	>2,000
Y8044	20	<20	1,000	N	150	N	100	500	>2,000
Y8045	30	N	1,000	N	300	100	150	N	>2,000
Y8046	30	20	500	N	150	N	50	N	2,000
Y8047	30	N	700	N	150	N	70	N	1,500
Y8048	15	N	500	N	100	N	30	N	>2,000
Y8049	20	20	300	N	150	<100	100	N	>2,000
Y8050	30	N	300	N	200	N	50	N	1,000
Y8051	70	N	300	N	200	N	70	N	>2,000
Y8052	50	<20	500	N	150	N	300	N	2,000
Y8053	10	50	N	N	150	N	30	N	2,000
Y8054	15	<20	500	N	150	N	30	N	1,000
Y8055	15	<20	700	N	150	N	50	N	1,000

Table 3. --Geochemical data for the panned-concentrate samples in the East Yuba and West Yuba Roadless Areas

Sample	Latitude	Longitude	Easting UTM	Northing UTM	Ca-pct s	Fe-pct s	Mg-pct s	Ti-pct s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
Y8056	39 40 37	120 45 4	692,880	4,394,110	.15	30.0	.30	2.0	N	N	N	20
Y8057	39 40 27	120 44 57	693,040	4,393,820	2.00	1.5	1.00	1.5	N	N	N	30
Y8058	39 40 4	120 44 47	693,300	4,393,100	2.00	5.0	1.50	2.0	N	N	N	20
Y8059	39 39 49	120 44 50	693,240	4,392,660	5.00	3.0	1.00	2.0	N	N	N	50
Y8060	39 37 24	120 43 19	695,520	4,388,230	7.00	7.0	1.50	>2.0	N	N	N	100
Y8061	39 37 28	120 43 27	695,330	4,388,340	7.00	7.0	1.00	>2.0	N	N	N	50
Y8062	39 39 6	120 42 25	696,740	4,391,410	2.00	2.0	.70	2.0	<1	N	N	20
Y8063	39 35 33	120 47 6	690,200	4,384,690	2.00	2.0	.50	2.0	N	N	N	70
Y8064	39 41 36	120 50 40	684,830	4,395,740	2.00	7.0	.70	2.0	20	N	200	20
Y8065	39 41 30	120 50 33	684,990	4,395,550	3.00	2.0	5.00	2.0	2	N	20	20
Y8066	39 40 3	120 42 31	696,550	4,393,160	3.00	3.0	.20	2.0	N	N	N	20
Y8067	39 40 3	120 42 33	696,500	4,393,160	2.00	10.0	1.50	2.0	3	N	50	20
Y8068	39 41 30	120 50 40	684,830	4,395,550	2.00	7.0	.10	2.0	10	N	500	20
Y8069	39 41 30	120 50 40	684,830	4,395,550	3.00	7.0	.30	2.0	N	N	N	20
Y8070	39 41 30	120 50 40	684,830	4,395,550	3.00	20.0	.50	>2.0	700	1,000	>1,000	100
Y8071	39 41 30	120 50 40	684,830	4,395,550	2.00	15.0	.10	2.0	N	1,000	N	20
Y8090	39 38 32	120 44 59	693,080	4,390,260	1.50	1.5	1.00	2.0	N	N	N	50
Y8091	39 38 32	120 44 59	693,080	4,390,260	7.00	2.0	1.50	>2.0	N	N	N	150
Y8092	39 38 28	120 44 59	693,090	4,390,140	2.00	1.5	.50	2.0	N	N	N	30
Y80100	39 35 35	120 44 7	694,460	4,384,840	2.00	.7	.50	>2.0	150	N	300	50
Y80101	39 35 44	120 44 13	694,320	4,385,110	2.00	.7	.50	2.0	N	N	N	30
Y80102	39 35 44	120 44 13	694,320	4,385,110	1.50	.7	.50	2.0	N	N	N	30
Y80103	39 35 38	120 44 13	694,320	4,384,920	1.00	.7	.50	2.0	15	N	N	50
Y80104	39 39 14	120 48 49	687,580	4,391,430	2.00	3.0	.15	2.0	N	N	N	70
Y80105	39 39 12	120 48 47	687,610	4,391,360	3.00	2.0	.50	1.5	20	N	200	20
Y80106	39 39 14	120 48 49	687,580	4,391,430	1.50	2.0	.20	2.0	5	N	50	100
Y80107	39 39 12	120 48 47	687,610	4,391,360	2.00	1.5	.15	1.5	N	N	N	20
Y80108	39 39 14	120 48 47	687,610	4,391,430	10.00	.7	.20	>2.0	500	N	>1,000	150
Y80110	39 41 54	120 50 9	685,540	4,396,320	2.00	5.0	.05	1.0	50	N	20	<20
Y81500	39 39 8	120 42 5	697,200	4,391,490	1.00	2.0	.20	>2.0	500	N	>1,000	100
Y81502	39 39 5	120 42 6	697,185	4,391,390	1.00	1.0	.20	>2.0	2	N	N	30
Y81503	39 43 34	120 49 26	686,500	4,399,430	2.00	7.0	.10	2.0	7	N	N	20
Y81504	39 43 33	120 49 30	686,410	4,399,400	5.00	2.0	.10	1.5	5	N	N	20
Y81505	39 43 2	120 49 29	686,450	4,398,430	5.00	5.0	.15	2.0	200	1,000	200	20
Y81506	39 41 15	120 51 55	683,040	4,395,060	.30	7.0	.15	>2.0	15	N	200	30
Y81507	39 42 21	120 50 8	685,550	4,397,160	3.00	7.0	.10	>2.0	2	<500	<20	30
Y81508	39 42 2	120 50 20	685,290	4,396,550	2.00	1.5	.15	>2.0	20	N	300	30
Y81509	39 41 52	120 50 21	685,270	4,396,240	.50	5.0	.10	>2.0	N	<500	N	20
Y81510	39 41 35	120 50 55	684,470	4,395,710	1.00	2.0	.15	>2.0	N	N	N	70
Y81511	39 42 30	120 50 11	685,470	4,397,420	3.00	10.0	.10	>2.0	20	1,000	100	20
Y81512	39 43 36	120 47 30	689,260	4,399,550	5.00	1.5	.20	.7	10	N	20	20
Y81513	39 43 33	120 47 32	689,210	4,399,470	5.00	1.0	.15	.5	2	N	N	20
Y81514	39 41 24	120 52 25	682,340	4,395,310	1.00	1.5	.10	>2.0	200	N	>1,000	20
Y81515	39 40 38	120 53 10	681,300	4,393,870	3.00	1.5	.20	>2.0	N	N	<20	70
Y81516	39 42 51	120 52 17	682,450	4,398,000	3.00	.7	.20	2.0	N	N	N	20

Table 3. --Geochemical data for the panned-concentrate samples in the East Yuba and West Yuba Roadless Areas

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
Y8056	200	2	N	150	300	200	N	2,000	N	50	500	100	N
Y8057	500	<2	N	10	200	20	N	500	N	50	30	30	N
Y8058	300	<2	<20	30	300	150	N	500	N	<50	100	50	N
Y8059	300	<2	<20	30	200	100	100	700	N	<50	70	200	N
Y8060	500	N	N	50	500	200	200	500	N	50	300	300	N
Y8061	700	N	N	50	1,000	300	200	500	N	70	100	200	N
Y8062	2,000	2	50	20	200	150	100	500	N	100	30	300	N
Y8063	700	2	N	20	200	20	150	700	N	100	30	70	N
Y8064	10,000	<2	N	50	500	30	150	500	N	50	100	50	N
Y8065	500	<2	N	30	2,000	20	N	700	<10	50	200	20	N
Y8066	1,500	2	N	30	1,000	30	150	700	<10	70	50	30	N
Y8067	700	2	N	100	1,000	300	200	700	N	50	70	200	N
Y8068	>10,000	<2	N	50	50	70	100	200	N	50	70	300	N
Y8069	>10,000	<2	N	50	70	70	150	500	N	50	70	100	N
Y8070	10,000	N	<20	200	500	300	300	300	N	<50	200	1,500	N
Y8071	>10,000	<2	N	100	30	100	<50	200	N	<50	100	500	N
Y8090	10,000	<2	N	10	70	15	N	300	N	50	30	200	N
Y8091	1,000	<2	N	20	200	30	100	700	N	100	50	300	N
Y8092	700	<2	N	10	50	15	N	300	N	<50	20	20	N
Y80100	500	3	N	20	300	150	N	300	N	100	30	5,000	1,500
Y80101	700	<2	N	10	100	15	N	500	N	50	20	200	N
Y80102	700	<2	N	10	100	15	N	300	N	50	20	70	N
Y80103	500	<2	N	10	200	20	N	500	N	<50	30	3,000	200
Y80104	700	<2	N	20	100	70	100	150	N	70	70	300	N
Y80105	1,000	<2	N	20	50	30	N	200	N	N	30	50	N
Y80106	700	<2	N	15	100	15	150	150	N	70	50	50	N
Y80107	1,000	<2	N	10	20	20	N	150	N	N	20	70	N
Y80108	300	N	N	20	200	20	50	200	N	50	20	30	N
Y80110	>10,000	<2	N	50	20	70	<50	200	N	N	50	50	N
Y81500	5,000	N	N	20	200	300	100	150	N	100	N	2,000	N
Y81502	1,500	N	100	N	100	30	100	150	N	100	N	150	N
Y81503	>10,000	N	N	50	20	70	200	300	N	<50	N	200	N
Y81504	>10,000	N	100	20	20	70	200	500	N	<50	30	500	N
Y81505	>10,000	N	20	20	20	100	200	500	N	50	30	1,500	N
Y81506	3,000	N	N	30	500	200	70	200	15	100	200	200	N
Y81507	>10,000	N	N	50	70	150	150	200	N	70	150	100	N
Y81508	5,000	N	N	20	500	20	150	200	N	100	30	300	N
Y81509	2,000	N	N	70	200	500	70	150	N	70	100	200	N
Y81510	>10,000	N	N	20	150	70	70	150	N	70	150	150	N
Y81511	>10,000	N	N	70	100	150	150	200	N	50	100	200	N
Y81512	2,000	N	N	15	50	50	100	200	N	N	20	50	N
Y81513	3,000	N	N	<10	30	15	100	200	N	N	30	20	N
Y81514	700	N	N	50	100	15	70	150	N	50	N	50	N
Y81515	3,000	N	N	15	700	20	100	200	N	100	20	50	N
Y81516	500	N	N	10	70	10	100	200	N	<50	N	20	N

Table 3. --Geochemical data for the panned-concentrate samples in the East Yuba and West Yuba Roadless Areas

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
Y8056	15	N	N	N	300	N	50	1,000	100
Y8057	30	<20	200	N	150	N	100	N	>2,000
Y8058	30	20	200	N	150	<100	70	N	2,000
Y8059	30	20	700	N	200	N	70	N	2,000
Y8060	50	20	500	N	300	<100	150	N	2,000
Y8061	70	30	300	N	300	<100	300	N	2,000
Y8062	50	20	<200	N	200	100	200	N	2,000
Y8063	30	N	200	N	150	N	150	N	>2,000
Y8064	50	N	500	N	150	N	200	N	>2,000
Y8065	70	N	300	N	150	N	70	N	>2,000
Y8066	70	N	200	N	200	<100	300	N	2,000
Y8067	70	N	200	N	100	N	200	N	500
Y8068	15	700	700	N	150	N	150	N	>2,000
Y8069	20	100	1,000	N	100	N	150	N	>2,000
Y8070	70	N	500	N	100	N	300	N	>2,000
Y8071	15	70	700	N	500	N	100	N	>2,000
Y8090	30	N	300	N	100	N	100	N	>2,000
Y8091	50	70	200	N	300	N	200	N	>2,000
Y8092	20	N	200	N	150	N	70	N	1,500
Y80100	50	70	<200	N	150	100	150	N	>2,000
Y80101	20	N	<200	N	150	N	50	N	>2,000
Y80102	20	N	<200	N	150	N	30	N	2,000
Y80103	20	20	<200	N	150	N	50	N	>2,000
Y80104	30	100	300	N	100	N	200	N	>2,000
Y80105	15	N	700	N	50	N	70	N	>2,000
Y80106	30	N	200	N	150	N	200	N	>2,000
Y80107	15	N	700	N	20	N	70	N	>2,000
Y80108	70	N	200	N	150	N	300	N	>2,000
Y80110	50	N	1,000	N	30	N	150	N	>2,000
Y81500	70	50	200	N	200	100	500	N	2,000
Y81502	50	<20	<200	N	100	<100	300	N	2,000
Y81503	10	100	1,000	N	100	N	100	500	>2,000
Y81504	20	N	1,000	N	70	N	150	700	>2,000
Y81505	20	N	1,000	N	100	N	150	N	>2,000
Y81506	50	200	<200	N	100	<100	150	N	>2,000
Y81507	20	N	1,000	N	100	<100	150	700	>2,000
Y81508	50	150	700	N	150	100	200	N	>2,000
Y81509	30	150	<200	N	150	<100	150	N	>2,000
Y81510	70	50	<200	N	100	N	150	N	>2,000
Y81511	20	N	500	N	100	N	150	<500	>2,000
Y81512	20	N	700	N	50	N	150	N	>2,000
Y81513	15	N	700	N	30	N	100	N	>2,000
Y81514	50	100	300	N	100	N	100	N	>2,000
Y81515	30	<20	200	N	100	<100	300	N	>2,000
Y81516	20	20	500	N	100	N	100	N	>2,000

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Latitude	Longitude	Easting UTM	Northing UTM	Ca-pct s	Fe-pct s	Mg-pct s	Ti-pct s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
D21	39 36 37	120 49 43	686,400	4,386,560	1.00	3.00	2.00	.500	N	N	N	70
D24	39 35 31	120 47 56	689,000	4,384,590	<.05	3.00	1.00	.300	N	N	N	70
D30	39 36 57	120 46 8	691,520	4,387,290	3.00	5.00	3.00	1.000	N	N	N	200
D31	39 36 41	120 46 45	690,640	4,386,780	.10	1.50	.30	.300	N	N	N	150
D34	39 35 10	120 48 28	688,250	4,383,930	>20.00	.30	.50	.015	N	N	N	N
D35	39 35 25	120 48 11	688,640	4,384,380	>20.00	.20	2.00	.010	N	N	N	N
D48A	39 36 41	120 48 1	688,840	4,386,740	<.05	1.00	.20	.100	N	N	N	20
D48B	39 36 41	120 48 1	688,840	4,386,740	<.05	3.00	1.50	.700	N	N	N	150
D51	39 36 20	120 48 30	688,160	4,386,090	<.05	1.50	.50	.200	N	N	N	50
D57	39 37 8	120 47 34	689,460	4,387,600	<.05	2.00	.70	.200	N	N	N	50
D58	39 37 12	120 47 32	689,510	4,387,720	7.00	10.00	7.00	.700	N	N	N	N
D59	39 35 51	120 51 34	683,800	4,385,080	.30	10.00	>10.00	.050	N	N	N	500
D65	39 33 38	120 45 26	692,660	4,381,180	10.00	15.00	2.00	.300	N	N	N	N
D68	39 36 9	120 49 54	686,160	4,385,690	<.05	<.05	.02	N	N	N	N	N
D089	39 37 4	120 45 48	691,980	4,387,540	>20.00	1.50	1.00	.050	N	N	N	N
D91	39 38 20	120 45 13	692,770	4,389,900	.30	1.00	.70	.200	N	N	N	20
D92	39 38 22	120 45 10	692,840	4,389,960	15.00	20.00	5.00	.150	N	N	N	N
D100A	39 39 4	120 43 27	695,250	4,391,300	<.05	10.00	10.00	.015	N	N	N	N
D100C	39 39 4	120 43 27	695,250	4,391,300	<.05	20.00	5.00	.050	N	N	N	N
D182	39 37 14	120 47 45	689,200	4,387,760	7.00	7.00	7.00	.500	N	N	N	N
D196	39 38 23	120 45 3	693,000	4,390,000	>20.00	2.00	2.00	.150	N	N	N	10
D254	39 33 57	120 42 36	696,710	4,381,880	.20	2.00	.30	.200	N	N	N	20
D255	39 33 55	120 43 6	696,000	4,381,800	.10	1.50	.50	.150	N	N	N	N
D256A	39 33 33	120 45 29	692,600	4,381,030	.50	5.00	1.50	.500	N	N	N	50
D257	39 33 38	120 45 26	692,660	4,381,180	15.00	15.00	3.00	.300	1.0	>10,000	N	N
D258A	39 33 10	120 46 37	691,000	4,380,280	.70	10.00	2.00	1.000	N	N	N	100
D258B	39 33 10	120 46 37	691,000	4,380,280	.70	3.00	2.00	.500	N	N	N	N
D259	39 33 36	120 48 44	687,950	4,381,000	.10	1.00	.30	.500	1.0	N	N	100
D260	39 34 34	120 49 9	687,300	4,382,780	7.00	10.00	5.00	1.000	N	N	N	50
D261	39 35 1	120 48 41	687,960	4,383,650	<.05	2.00	.30	.150	N	N	N	70
D262A	39 35 29	120 47 57	688,980	4,384,520	<.05	1.50	.50	.150	N	N	N	10
D262B	39 35 29	120 47 57	688,980	4,384,520	.07	3.00	2.00	.500	N	N	N	50
D263	39 36 0	120 47 21	689,820	4,385,500	.50	.70	.20	.070	N	N	N	10
D264A	39 35 58	120 47 13	690,020	4,385,440	.05	7.00	3.00	.700	N	N	N	50
D264B	39 35 58	120 47 13	690,020	4,385,440	.30	1.00	.20	.150	N	N	N	10
MF37	39 37 33	120 46 25	691,090	4,388,400	>20.00	1.00	.70	.070	N	N	N	10
MF39	39 38 19	120 46 29	690,950	4,389,820	.70	3.00	1.50	1.000	N	N	N	70
MF80	39 37 49	120 49 34	686,560	4,388,790	<.05	1.00	.50	.150	N	N	N	50
MF84	39 39 10	120 48 50	687,560	4,391,320	15.00	3.00	1.50	.300	N	N	N	100
MF99	39 38 7	120 51 43	683,470	4,389,280	7.00	10.00	5.00	1.000	N	N	N	10
MF122A	39 41 48	120 50 21	685,260	4,396,140	.50	7.00	10.00	.020	N	N	N	300
MF122B	39 41 48	120 50 21	685,260	4,396,140	.70	7.00	10.00	.020	N	N	N	200
MF161	39 41 43	120 50 20	685,290	4,395,960	.30	10.00	10.00	.015	N	N	N	150
MF162	39 41 45	120 50 19	685,320	4,396,050	3.00	5.00	10.00	.100	N	500	N	70
MF167	39 42 22	120 45 10	692,650	4,397,370	7.00	5.00	7.00	.300	N	N	N	N

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
D21	500	1.0	N	7	100	30	70	500	N	N	20	20	N
D24	150	<1.0	N	7	50	15	70	500	N	N	20	20	N
D30	500	2.0	N	20	100	50	70	1,500	N	N	70	50	N
D31	300	1.0	N	7	70	7	50	1,500	N	N	15	30	N
D34	20	N	N	N	<10	<5	<20	700	N	N	<5	<10	N
D35	<20	N	N	N	10	<5	N	1,000	N	N	N	<10	N
D48A	500	N	N	5	50	10	20	150	N	N	15	20	N
D48B	700	3.0	N	7	100	30	20	300	N	N	20	30	N
D51	100	<1.0	N	5	50	10	20	150	N	<20	10	20	N
D57	200	1.0	N	7	70	10	20	300	N	N	20	10	N
D58	500	N	N	50	1,000	70	20	1,000	N	N	200	20	N
D59	30	N	N	150	5,000	30	N	1,500	N	N	3,000	N	N
D65	20	1.0	<10	30	50	30	N	>5,000	N	N	20	20	N
D68	70	N	N	<5	15	<5	N	10	N	N	5	N	N
D089	70	N	N	N	20	7	N	1,000	N	N	5	<10	N
D91	200	1.5	N	7	50	10	20	150	N	<20	30	N	N
D92	150	2.0	N	70	50	10	30	5,000	N	N	100	<10	N
D100A	20	N	N	150	>5,000	5	N	1,500	N	N	3,000	N	N
D100C	20	N	N	200	>5,000	<5	N	3,000	N	N	1,000	15	N
D182	500	N	N	50	1,000	70	20	1,500	N	N	200	10	N
D196	70	N	N	7	70	20	20	1,000	N	N	15	20	N
D254	300	1.0	N	5	50	20	30	500	N	N	7	20	N
D255	100	N	N	5	70	<5	20	100	N	N	10	<10	N
D256A	1,000	1.5	N	10	70	50	30	2,000	20	N	70	30	N
D257	70	N	<10	20	70	70	N	3,000	7	N	30	100	N
D258A	1,000	2.0	N	15	150	50	100	500	N	N	50	20	N
D258B	150	<1.0	N	10	70	5	30	700	N	<20	30	20	N
D259	2,000	1.0	N	N	100	5	20	100	N	N	7	50	N
D260	2,000	N	N	50	50	150	N	2,000	N	N	30	N	N
D261	100	<1.0	N	7	50	15	20	700	N	N	15	30	N
D262A	100	<1.0	N	<5	15	10	20	150	N	N	15	<10	N
D262B	300	1.5	N	5	70	30	20	300	N	<20	20	30	N
D263	150	1.0	N	<5	20	<5	20	150	N	N	7	<10	N
D264A	700	2.0	N	20	100	30	30	2,000	N	<20	70	15	N
D264B	150	<1.0	N	5	30	20	30	100	5	N	10	<10	N
MF37	200	N	N	N	20	20	N	1,000	N	N	5	30	N
MF39	1,000	5.0	N	10	15	30	50	1,000	N	30	15	<10	N
MF80	1,500	<1.0	N	<5	70	20	<20	70	N	N	30	10	N
MF84	300	<1.0	N	7	70	20	50	1,000	N	N	15	30	N
MF99	700	N	N	20	150	30	20	1,000	N	N	30	20	N
MF122A	20	N	N	70	3,000	15	N	1,000	N	N	2,000	10	N
MF122B	50	N	N	70	3,000	15	N	1,000	N	N	3,000	N	N
MF161	<20	N	N	100	5,000	15	N	700	N	N	3,000	N	N
MF162	100	<1.0	N	70	2,000	30	N	1,000	N	N	1,000	20	N
MF167	200	N	N	30	1,000	50	N	700	N	N	150	15	N

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
D21	10	N	<100	N	150	N	30	N	500
D24	5	N	N	N	50	N	30	N	300
D30	20	N	200	N	150	N	30	N	200
D31	5	N	N	N	50	N	30	N	500
D34	<5	N	500	N	10	N	10	N	<10
D35	N	N	500	N	<10	N	<10	N	10
D48A	<5	N	N	N	20	N	10	N	150
D48B	15	N	N	N	150	N	20	N	200
D51	<5	N	N	N	30	N	15	N	200
D57	5	N	N	N	70	N	10	N	200
D58	50	N	500	N	150	N	20	N	100
D59	15	N	N	N	50	N	N	N	N
D65	10	N	300	N	70	N	10	N	50
D68	N	N	N	N	10	N	N	N	10
D089	5	N	2,000	N	20	N	15	N	30
D91	10	N	150	N	50	N	15	N	50
D92	10	N	1,000	N	150	N	50	N	50
D100A	7	N	N	N	100	N	N	N	20
D100C	N	N	N	N	300	N	N	N	15
D182	50	N	500	N	150	N	20	N	100
D196	5	N	2,000	N	30	N	20	N	50
D254	5	N	N	N	50	N	10	N	300
D255	<5	N	N	N	30	N	10	N	200
D256A	15	N	N	N	300	N	30	N	150
D257	7	N	300	N	70	N	15	N	150
D258A	20	N	N	N	150	N	50	N	150
D258B	10	N	200	N	70	N	30	N	500
D259	10	N	N	N	200	N	20	N	150
D260	30	N	700	N	300	N	20	N	50
D261	5	N	N	N	30	N	15	N	200
D262A	<5	N	N	N	20	N	<10	N	150
D262B	10	N	N	N	100	N	20	N	150
D263	5	N	100	N	20	N	<10	N	200
D264A	20	N	<100	N	100	N	30	N	200
D264B	5	N	100	N	20	N	10	N	200
MF37	<5	N	2,000	N	30	N	20	N	30
MF39	5	N	100	N	70	N	30	N	300
MF80	5	N	N	N	70	N	10	N	50
MF84	10	N	500	N	70	N	20	N	150
MF99	50	N	700	N	300	N	30	N	150
MF122A	10	N	N	N	30	N	N	N	N
MF122B	10	N	N	N	50	N	N	N	10
MF161	7	N	N	N	50	N	N	N	10
MF162	7	N	300	N	50	N	<10	N	50
MF167	30	N	300	N	100	N	15	N	20

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Latitude	Longitude	Easting UTM	Northing UTM	Ca-pct s	Fe-pct s	Mg-pct s	Ti-pct s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
MF168	39 38 7	120 51 43	683,470	4,389,280	5.00	7.00	5.00	1.000	N	N	N	10
MF169A	39 38 26	120 51 20	684,000	4,389,860	<.05	10.00	>10.00	.015	N	N	N	70
MF169B	39 38 26	120 51 20	684,000	4,389,860	<.05	7.00	10.00	.015	N	N	N	30
MF170	39 39 52	120 50 1	685,820	4,392,560	7.00	7.00	5.00	.700	N	N	N	10
MF171	39 40 25	120 49 0	687,250	4,393,600	5.00	5.00	2.00	.700	N	N	N	N
MF172	39 40 49	120 49 1	687,210	4,394,360	5.00	3.00	2.00	.700	N	N	N	15
MF173	39 40 38	120 48 21	688,180	4,394,030	7.00	5.00	3.00	.700	N	N	N	10
MF174	39 40 38	120 47 54	688,820	4,394,050	7.00	7.00	3.00	.700	N	N	N	10
MF175	39 41 2	120 47 15	689,730	4,394,820	7.00	5.00	5.00	.700	N	N	N	10
MF176	39 41 21	120 49 22	686,680	4,395,330	7.00	5.00	3.00	.300	N	N	N	N
MF177	39 41 46	120 51 28	683,660	4,396,020	7.00	10.00	7.00	1.000	N	N	N	10
MF178	39 42 44	120 46 45	690,360	4,397,980	5.00	5.00	3.00	.700	N	N	N	15
MF179	39 42 48	120 45 35	692,030	4,398,150	7.00	7.00	3.00	.700	N	N	N	15
MF180	39 42 26	120 45 9	692,660	4,397,480	7.00	5.00	7.00	.500	N	N	N	N
MF181	39 42 16	120 45 57	691,530	4,397,130	7.00	7.00	5.00	.500	N	N	N	N
MF184	39 38 14	120 48 7	688,610	4,389,620	5.00	5.00	3.00	.700	N	N	N	10
MF186A	39 41 28	120 46 18	691,070	4,395,640	5.00	10.00	7.00	>1.000	N	N	N	N
MF186B	39 41 28	120 46 18	691,070	4,395,640	7.00	15.00	7.00	>1.000	N	N	N	N
MF199	39 41 46	120 48 29	687,940	4,396,120	.07	.50	.30	.300	N	N	N	10
MF200	39 41 48	120 49 42	686,200	4,396,140	10.00	10.00	7.00	.700	N	N	N	20
MF201A	39 41 25	120 49 36	686,350	4,395,430	5.00	7.00	3.00	.700	N	N	N	10
MF201B	39 41 25	120 49 36	686,350	4,395,430	5.00	7.00	3.00	.500	N	N	N	10
MF202	39 41 17	120 49 13	686,900	4,395,200	7.00	10.00	5.00	.700	N	N	N	10
MF203	39 41 32	120 47 34	689,250	4,395,720	7.00	7.00	3.00	.700	N	N	N	N
MF214	39 43 5	120 47 36	689,140	4,398,610	5.00	5.00	3.00	.500	N	N	N	N
MF215	39 42 37	120 48 54	687,290	4,397,680	5.00	3.00	1.50	.500	N	N	N	N
MF216	39 43 2	120 48 29	687,880	4,398,460	5.00	5.00	3.00	.500	N	N	N	N
MF246	39 39 12	120 48 50	687,550	4,391,360	10.00	5.00	1.50	.500	N	N	N	150
MF247A	39 39 10	120 48 52	687,510	4,391,300	.50	7.00	2.00	.700	N	N	N	200
MF247B	39 39 10	120 48 52	687,510	4,391,300	.05	1.50	.30	.150	N	N	N	100
MF248	39 38 48	120 49 18	686,910	4,390,600	.07	3.00	1.50	.700	N	N	N	150
MF249	39 38 36	120 49 34	686,530	4,390,230	.10	7.00	2.00	.700	N	N	N	150
MF250	39 39 1	120 49 45	686,250	4,390,000	.01	.50	.15	.100	N	N	N	50
MF251	39 37 57	120 49 38	686,450	4,389,020	.07	3.00	2.00	.200	N	N	N	150
MF267	39 41 48	120 50 19	685,320	4,396,140	.10	10.00	10.00	.070	<.5	N	N	300
S94	39 39 23	120 44 46	693,360	4,391,860	>20.00	1.50	3.00	.200	N	N	N	10
S108	39 39 19	120 43 35	695,060	4,391,760	>20.00	.50	10.00	<.002	N	N	N	N
S187A	39 39 0	120 42 8	697,140	4,391,230	<.05	<.05	.03	.003	N	N	N	N
S187B	39 39 0	120 42 8	697,140	4,391,230	.07	.70	.15	.020	20.0	N	N	N
S187C	39 39 0	120 42 8	697,140	4,391,230	.70	1.50	.50	.070	<.5	N	N	20
S187D	39 39 0	120 42 8	697,140	4,391,230	1.50	10.00	5.00	.700	N	N	N	10
S188A	39 38 47	120 43 13	695,590	4,390,800	.10	7.00	10.00	.015	N	N	N	70
S188B	39 38 47	120 43 13	695,590	4,390,800	<.05	.15	.07	.030	1.5	N	N	10
S188D	39 38 47	120 43 13	695,590	4,390,800	.20	1.50	1.00	.300	N	N	N	70
S188F	39 38 47	120 43 13	695,590	4,390,800	.50	5.00	10.00	.200	N	N	N	30

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
MF168	700	<1.0	N	30	100	30	20	1,000	N	N	50	20	N
MF169A	20	N	N	150	5,000	15	N	1,000	N	N	3,000	N	N
MF169B	<20	N	N	150	5,000	30	N	700	N	N	3,000	N	N
MF170	700	<1.0	N	50	500	50	20	1,000	N	N	150	20	N
MF171	700	<1.0	N	15	70	30	20	1,000	N	N	30	20	N
MF172	700	<1.0	N	10	20	15	30	1,000	N	N	10	20	N
MF173	700	<1.0	N	15	100	30	30	1,000	N	N	50	20	N
MF174	700	<1.0	N	20	150	30	30	1,000	N	N	50	20	N
MF175	500	<1.0	N	15	150	30	20	1,000	N	N	50	20	N
MF176	700	<1.0	N	15	70	30	20	1,000	N	N	20	15	N
MF177	<20	N	N	20	200	30	N	1,500	N	N	70	<10	N
MF178	700	<1.0	N	15	70	20	20	1,500	N	N	20	20	N
MF179	700	<1.0	N	20	150	30	<20	1,000	N	N	30	20	N
MF180	300	N	N	30	700	30	N	1,000	N	N	150	10	N
MF181	500	N	N	50	1,000	50	<20	1,000	N	N	150	15	N
MF184	700	1.0	N	10	100	20	30	1,000	N	N	20	20	N
MF186A	70	<1.0	N	70	700	200	50	1,500	N	N	200	<10	N
MF186B	70	<1.0	N	50	500	300	70	1,500	N	<20	200	<10	N
MF199	150	<1.0	N	5	50	<5	20	70	N	N	5	<10	N
MF200	1,500	N	N	30	100	70	N	2,000	N	N	50	<10	N
MF201A	700	<1.0	N	20	50	30	20	1,000	<5	N	15	20	N
MF201B	700	N	N	15	50	30	30	1,000	N	N	15	15	N
MF202	700	<1.0	N	15	15	30	30	1,500	N	N	7	20	N
MF203	500	N	N	15	50	50	20	1,500	N	N	20	15	N
MF214	1,000	<1.0	N	15	20	30	30	1,000	N	N	15	20	N
MF215	700	<1.0	N	10	<10	15	50	1,000	N	N	7	15	N
MF216	1,000	<1.0	N	15	70	70	30	1,500	N	N	20	30	N
MF246	500	2.0	N	10	100	30	50	500	N	N	30	30	N
MF247A	1,000	2.0	N	10	150	30	100	300	N	N	30	30	N
MF247B	200	<1.0	N	5	50	10	20	150	N	N	7	20	N
MF248	500	2.0	N	15	70	50	70	1,000	N	<20	30	20	N
MF249	700	1.5	N	10	150	50	70	500	N	<20	50	30	N
MF250	300	<1.0	N	<5	30	<5	20	100	N	N	5	15	N
MF251	700	2.0	N	5	100	30	30	200	N	N	20	30	N
MF267	30	N	N	150	5,000	30	N	1,000	N	N	3,000	<10	N
S94	100	N	N	7	70	15	20	1,500	N	N	10	10	N
S108	N	N	N	N	10	<5	20	1,000	N	N	5	<10	N
S187A	100	N	N	<5	15	<5	N	10	N	N	5	N	N
S187B	70	N	30	<5	15	1,000	N	20	N	N	5	1,500	N
S187C	200	1.5	N	<5	15	<5	<20	500	N	N	5	15	N
S187D	150	1.0	N	15	100	15	20	1,500	N	N	50	10	N
S188A	<20	N	N	150	5,000	<5	N	700	N	N	3,000	<10	N
S188B	100	N	N	N	50	30	<20	10	N	N	<5	<10	N
S188D	200	<1.0	N	<5	100	30	<20	500	N	N	50	15	N
S188F	<20	N	N	50	3,000	30	N	2,000	N	N	1,000	N	N

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
MF168	30	N	700	N	200	N	20	N	150
MF169A	10	N	N	N	30	N	N	N	N
MF169B	10	N	N	N	70	N	N	N	N
MF170	30	N	700	N	150	N	20	N	150
MF171	20	N	500	N	150	N	20	N	150
MF172	15	N	700	N	150	N	20	N	150
MF173	20	N	700	N	150	N	20	N	150
MF174	30	N	1,000	N	200	N	20	N	150
MF175	20	N	700	N	150	N	20	N	150
MF176	15	N	700	N	150	N	15	N	70
MF177	50	N	200	N	300	N	50	N	100
MF178	15	N	700	N	200	N	20	N	150
MF179	30	N	700	N	200	N	20	N	100
MF180	30	N	500	N	150	N	20	N	70
MF181	30	N	500	N	200	N	30	N	100
MF184	20	N	700	N	150	N	30	N	150
MF186A	15	N	300	N	100	N	30	N	200
MF186B	20	N	500	N	150	N	50	N	150
MF199	5	N	N	N	50	N	10	N	200
MF200	30	N	700	N	200	N	30	N	50
MF201A	30	N	700	N	200	N	30	N	200
MF201B	15	N	700	N	150	N	30	N	100
MF202	15	N	700	N	200	N	30	N	150
MF203	20	N	500	N	200	N	20	N	100
MF214	15	N	700	N	150	N	20	N	150
MF215	15	N	700	N	150	N	20	N	100
MF216	15	N	700	N	150	N	20	N	100
MF246	15	N	300	N	150	N	30	N	150
MF247A	20	N	N	N	150	N	30	N	150
MF247B	5	N	N	N	30	N	15	N	300
MF248	15	N	N	N	100	N	30	N	150
MF249	20	N	<100	N	200	N	50	N	200
MF250	<5	N	N	N	20	N	10	N	500
MF251	10	N	N	N	70	N	20	N	70
MF267	10	N	N	N	70	N	N	N	N
S94	5	N	2,000	N	70	N	20	N	100
S108	N	N	300	N	50	N	N	N	N
S187A	N	N	N	N	<10	N	N	N	10
S187B	N	N	N	N	20	N	N	N	<10
S187C	7	N	N	N	50	N	20	N	70
S187D	20	N	N	N	150	N	30	N	200
S188A	10	N	N	N	30	N	N	N	<10
S188B	<5	N	N	N	100	N	<10	N	20
S188D	10	N	N	N	200	N	20	N	100
S188F	15	N	N	N	150	N	<10	N	20

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Latitude	Longitude	Easting UTM	Northing UTM	Ca-pct s	Fe-pct s	Mg-pct s	Ti-pct s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
S188G	39 38 47	120 43 13	695,590	4,390,800	1.00	7.00	5.00	.500	N	N	N	N
S191B	39 38 3	120 43 55	694,630	4,389,420	.15	.70	.50	.070	N	N	N	N
S191C	39 38 3	120 43 55	694,630	4,389,420	<.05	3.00	1.50	.500	N	N	N	70
S191F	39 38 3	120 43 55	694,630	4,389,420	.30	2.00	.50	.150	N	N	N	N
S191G	39 38 3	120 43 55	694,630	4,389,420	<.05	7.00	1.50	.700	N	N	N	70
S193	39 38 32	120 44 59	693,080	4,390,260	5.00	10.00	7.00	1.000	N	N	N	N
S195	39 38 27	120 45 0	693,060	4,390,120	>20.00	.50	1.50	.050	N	N	N	N
S204C	39 41 37	120 43 23	695,220	4,396,020	5.00	7.00	5.00	.500	N	N	N	N
S205	39 41 16	120 44 4	694,270	4,395,360	7.00	10.00	5.00	.500	N	N	N	N
S206	39 37 53	120 42 8	697,200	4,389,160	2.00	10.00	10.00	.300	N	N	N	10
S207	39 38 1	120 41 26	697,200	4,389,160	3.00	3.00	10.00	.150	N	N	N	30
S208	39 37 54	120 42 14	697,060	4,389,200	<.05	.05	.02	<.002	1.0	N	N	N
S210	39 37 52	120 42 22	696,850	4,389,130	1.00	10.00	3.00	1.000	N	N	N	15
S211	39 37 48	120 42 22	696,870	4,389,020	7.00	15.00	7.00	1.000	N	N	N	N
S212	39 37 46	120 42 32	696,620	4,388,940	1.00	10.00	5.00	1.000	1.5	N	N	50
S213A	39 37 43	120 42 39	696,460	4,388,840	<.05	7.00	10.00	.005	N	N	N	70
S213B	39 37 43	120 42 27	696,460	4,388,840	<.05	5.00	10.00	.010	N	N	N	10
S217A	39 37 40	120 42 51	696,190	4,388,730	<.05	.20	.07	.030	<.5	N	N	N
S218	39 37 43	120 42 43	696,360	4,388,840	<.05	7.00	10.00	.030	N	N	N	70
S219	39 37 41	120 42 48	696,260	4,388,780	<.05	.30	.10	.070	N	N	N	30
S220	39 40 46	120 41 38	697,780	4,394,530	1.00	2.00	1.00	.200	N	N	N	10
S224A	39 40 52	120 42 7	697,070	4,394,680	20.00	.50	10.00	.003	N	N	N	N
S224B	39 40 52	120 42 7	697,070	4,394,680	1.00	.07	.50	<.002	N	N	N	<10
S224F	39 40 52	120 42 7	697,070	4,394,680	.07	1.50	2.00	.300	N	N	N	10
S224G	39 40 52	120 42 7	697,070	4,394,680	10.00	10.00	7.00	.300	N	N	N	N
S225	39 40 12	120 41 18	698,270	4,393,500	1.50	2.00	1.00	.200	N	N	N	20
S226A	39 40 4	120 41 29	698,020	4,393,220	<.05	.20	1.00	.070	<.5	N	N	50
S226C	39 40 4	120 41 29	698,020	4,393,220	<.05	.30	.15	.030	N	N	N	N
S226D	39 40 4	120 41 29	698,020	4,393,220	.10	.30	.10	.070	N	N	N	N
S229	39 40 13	120 41 27	698,050	4,393,520	1.00	.50	.30	.070	<.5	N	N	10
S230	39 40 13	120 41 24	698,130	4,393,510	1.50	3.00	1.50	.200	N	N	N	15
S233A	39 40 26	120 41 26	698,070	4,393,900	.50	.70	.30	.070	<.5	N	N	N
S233C	39 40 26	120 41 26	698,070	4,393,900	7.00	10.00	5.00	.700	N	N	N	N
S234	39 40 27	120 41 25	698,090	4,393,940	.30	3.00	.70	.200	N	N	N	10
S234	39 35 32	120 44 12	694,350	4,384,760	.50	2.00	1.50	.200	N	N	N	10
S235	39 40 22	120 41 21	698,190	4,393,780	1.50	1.50	.15	.200	N	N	N	30
S238A	39 41 24	120 42 26	696,590	4,395,660	.20	2.00	3.00	.200	<.5	N	N	10
S238D	39 41 24	120 42 26	696,590	4,395,660	<.05	3.00	3.00	.500	N	N	N	30
S241	39 35 37	120 44 10	694,400	4,384,920	7.00	15.00	7.00	1.000	N	N	N	N
S242A	39 35 49	120 41 32	698,160	4,385,360	<.05	7.00	10.00	.005	N	N	N	70
S242B	39 35 49	120 41 32	698,160	4,385,360	<.05	5.00	10.00	.005	N	N	N	50
S243A	39 36 57	120 42 15	697,080	4,385,550	.20	10.00	7.00	.050	N	N	N	20
S243B	39 36 57	120 42 15	697,080	4,385,550	.10	10.00	7.00	.150	N	N	N	20
S243D	39 36 57	120 42 15	697,080	4,387,440	.05	10.00	7.00	.070	N	N	N	N
S243E	39 36 57	120 42 15	697,080	4,387,440	<.05	10.00	5.00	.070	N	N	N	N

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
S188G	150	N	N	15	100	50	<20	1,500	N	N	150	20	N
S191B	70	N	N	5	15	<5	<20	150	N	N	15	<10	N
S191C	500	2.0	N	10	100	30	50	700	N	<20	30	30	N
S191F	<20	N	N	7	20	5	20	3,000	N	N	15	70	N
S191G	700	3.0	N	50	150	300	30	>5,000	N	<20	70	10	N
S193	150	N	N	50	70	50	N	1,500	N	N	50	<10	N
S195	30	N	N	N	15	<5	<20	200	N	N	<5	<10	N
S204C	200	N	N	15	100	100	N	2,000	N	N	15	20	N
S205	300	<1.0	N	20	200	30	N	2,000	N	N	70	15	N
S206	20	N	N	70	5,000	20	N	1,500	N	N	1,500	N	N
S207	70	N	N	30	2,000	30	<20	2,000	N	N	700	N	N
S208	20	N	N	N	15	<5	N	15	N	N	5	N	N
S210	150	<1.0	N	30	100	150	N	3,000	N	N	30	20	N
S211	150	N	N	70	150	200	N	2,000	N	N	100	N	N
S212	200	1.5	N	30	150	30	50	1,500	N	N	100	15	N
S213A	<20	N	N	100	5,000	15	N	1,000	N	N	3,000	N	N
S213B	<20	N	N	50	3,000	5	N	700	N	N	2,000	<10	N
S217A	50	N	N	<5	20	10	N	<10	N	N	5	<10	N
S218	20	N	N	100	5,000	30	N	1,000	N	N	3,000	N	N
S219	300	N	N	5	70	15	<20	20	N	N	5	20	N
S220	500	1.0	N	5	10	5	30	300	N	N	<5	15	N
S224A	N	N	N	N	10	<5	<20	1,500	N	N	N	<10	N
S224B	N	N	N	5	<10	N	<20	150	N	N	<5	N	N
S224F	200	<1.0	N	7	150	7	30	100	N	N	30	N	N
S224G	20	<1.0	N	15	70	500	<20	1,500	N	<20	50	10	N
S225	500	1.0	N	5	10	10	30	500	N	N	5	30	N
S226A	2,000	<1.0	N	N	15	5	20	50	N	N	30	30	N
S226C	700	N	N	<5	30	<5	N	10	N	N	7	20	N
S226D	1,000	N	N	N	70	7	N	30	N	N	5	10	N
S229	5,000	1.0	N	N	70	5	<20	70	N	N	7	15	N
S230	300	<1.0	N	5	10	15	30	500	N	N	5	20	N
S233A	700	N	N	<5	70	15	N	100	N	N	7	20	N
S233C	1,500	<1.0	N	20	70	200	20	2,000	N	N	30	20	N
S234	200	<1.0	N	5	10	10	<20	500	N	N	5	20	N
S234	300	1.0	N	5	N	10	20	700	N	<20	5	N	N
S235	700	<1.0	N	<5	10	5	30	500	N	N	5	15	N
S238A	200	<1.0	N	7	70	30	20	500	10	N	50	70	N
S238D	1,000	1.5	N	<5	150	20	30	700	N	N	20	15	N
S241	200	N	N	70	500	150	N	2,000	N	N	100	<10	N
S242A	20	N	N	100	5,000	<5	N	700	N	N	3,000	N	N
S242B	<20	N	N	70	3,000	<5	N	700	N	N	3,000	<10	N
S243A	20	N	N	200	>5,000	7	N	1,000	N	N	2,000	<10	N
S243B	20	N	N	150	>5,000	20	N	1,000	N	N	1,500	N	N
S243D	<20	N	N	200	>5,000	<5	N	1,000	N	N	1,500	10	N
S243E	20	N	N	200	>5,000	<5	N	1,000	N	N	2,000	<10	N

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
S188G	15	N	N	N	200	N	30	N	100
S191B	7	N	N	N	20	N	N	N	20
S191C	20	N	N	N	150	N	20	N	150
S191F	7	N	N	N	20	N	<10	N	50
S191G	20	N	N	N	150	N	30	N	150
S193	70	N	300	N	300	N	30	N	70
S195	<5	N	2,000	N	15	N	10	N	30
S204C	30	N	300	N	300	N	30	N	50
S205	30	N	300	N	200	N	30	N	50
S206	20	N	N	N	150	N	15	N	30
S207	20	N	300	N	70	N	10	N	20
S208	N	N	N	N	<10	N	N	N	10
S210	30	N	<100	N	300	N	30	N	100
S211	70	N	200	N	700	N	30	N	70
S212	20	N	<100	N	150	N	50	N	150
S213A	10	N	N	N	30	N	N	N	N
S213B	7	N	N	N	50	N	N	N	<10
S217A	N	N	N	N	300	N	N	N	20
S218	10	N	N	N	50	N	N	N	N
S219	5	N	N	N	200	N	10	N	30
S220	10	N	150	N	20	N	50	N	200
S224A	N	N	100	N	10	N	10	N	<10
S224B	N	N	N	N	<10	N	N	N	10
S224F	15	N	N	N	70	N	15	N	100
S224G	15	N	<100	N	70	N	15	N	100
S225	15	N	150	N	30	N	50	N	200
S226A	7	N	N	N	300	N	20	N	100
S226C	N	N	N	N	150	N	20	N	20
S226D	<5	N	N	N	150	N	N	N	30
S229	<5	N	N	N	300	N	20	N	30
S230	10	N	200	N	20	N	50	N	200
S233A	<5	N	N	N	300	N	20	N	20
S233C	30	N	700	N	500	N	30	N	50
S234	15	N	150	N	30	N	50	N	200
S234	10	N	100	N	70	N	30	N	150
S235	10	N	150	N	20	N	50	N	200
S238A	10	N	N	N	500	N	20	N	100
S238D	15	N	N	N	150	N	20	N	70
S241	50	N	300	N	700	N	30	N	70
S242A	7	N	N	N	30	N	N	N	N
S242B	7	N	N	N	50	N	<10	N	N
S243A	5	N	N	N	200	N	N	500	N
S243B	10	N	N	N	200	N	<10	N	N
S243D	N	N	N	N	500	N	N	N	20
S243E	N	N	N	N	700	N	N	N	N

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Latitude	Longitude	Easting UTM	Northing UTM	Ca-pct s	Fe-pct s	Mg-pct s	Ti-pct s	Ag-ppm s	As-ppm s	Au-ppm s	B-ppm s
S244A	39 36 21	120 42 54	696,160	4,386,300	<.05	.70	.30	.050	N	N	N	N
S245	39 36 39	120 43 37	695,120	4,386,840	<.05	5.00	.50	.500	N	N	N	N
S252	39 37 1	120 39 26	701,100	4,385,780	1.50	3.00	1.00	.300	N	N	N	<10
S253A	39 33 46	120 39 9	701,650	4,381,680	1.00	15.00	3.00	>1.000	N	N	N	50
S253C	39 33 46	120 39 9	701,650	4,381,680	.30	1.00	.30	.300	N	N	N	10
S256B	39 33 33	120 45 29	692,600	4,381,030	.15	2.00	1.50	.200	N	N	N	20
S265	39 38 47	120 43 13	695,590	4,390,800	.50	7.00	10.00	.300	N	N	N	30
S266	39 42 4	120 43 28	695,100	4,396,860	10.00	15.00	7.00	.030	5.0	1,000	N	N
SC70	39 34 57	120 45 2	693,180	4,383,640	>20.00	1.50	2.00	.070	N	N	N	N

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Ba-ppm s	Be-ppm s	Bi-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mn-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s	Pb-ppm s	Sb-ppm s
S244A	100	<1.0	N	5	15	15	<20	150	N	N	10	<10	N
S245	150	N	N	<5	70	70	N	200	N	N	20	10	N
S252	1,500	<1.0	N	7	15	<5	20	500	N	N	5	10	N
S253A	500	<1.0	N	20	500	30	<20	1,500	N	N	50	<10	N
S253C	200	1.0	N	5	70	30	<20	150	N	<20	10	15	N
S256B	500	2.0	N	7	70	70	20	1,000	N	N	30	<10	N
S265	<20	N	N	100	5,000	<5	N	1,500	N	N	2,000	<10	N
S266	20	1.0	15	500	3,000	3,000	N	3,000	N	N	3,000	300	N
SC70	300	N	N	N	20	7	N	1,000	N	N	5	10	N

Table 4. --Geochemical data for the rock samples in the East Yuba and West Yuba Roadless Areas

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	Th-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s
S244A	<5	N	N	N	20	N	<10	N	20
S245	7	N	N	N	100	N	15	N	70
S252	20	N	150	N	70	N	30	N	200
S253A	30	N	N	N	150	N	30	N	100
S253C	10	N	N	N	100	N	15	N	70
S256B	7	N	N	N	70	N	10	N	70
S265	20	N	N	N	150	N	<10	N	20
S266	7	N	N	N	50	<50	<10	<200	10
SC70	5	N	2,000	N	30	N	15	N	30

Table 5.--Six-step reporting values and ranges
[x, any positive or negative integer, or zero]

Reporting values (class interval midpoints)	Concentration ranges	Class interval widths
1.0×10^x	$0.83-1.2 \times 10^x$	0.37×10^x
1.5×10^x	$1.2-1.8 \times 10^x$	$.6 \times 10^x$
2.0×10^x	$1.8-2.6 \times 10^x$	$.8 \times 10^x$
3.0×10^x	$2.6-3.8 \times 10^x$	1.2×10^x
5.0×10^x	$3.8-5.6 \times 10^x$	1.8×10^x
7.0×10^x	$5.6-8.3 \times 10^x$	2.7×10^x

Table 6. Explanation of table headings and abbreviations

Code	Meaning
Value	the data value
NO.	number of occurences of this value
%	number as percent of total number of data values (ANAL)
CUM	number unqualified records at and below this value
CUM %	
(col 1)	unqualified values at or below this value, as percent of ANAL
(col 2)	unqualified values above this value, as percent of ANAL
TOT CUM	number of values (N, L, T + unqualified) at or below this value
TOT CUM %	
(col 1)	values not B, H, other at or below this value, as percent of ANAL
(col 2)	values not B, H, other above this value, as percent of ANAL
B - value	number values qualified with 'B' (= no data)
- percent	percent of all records read (READ)
T - value	number values qualified with 'T' (=trace)
- percent	percent of all values not B, H, or other (ANAL)
H - value	number values qualified with 'H' (=interference)
- percent	percent of all values not B, H, or other (ANAL)
N - value	number values qualified with 'N' (= not detected)
- percent	percent of all values not B, H, or other (ANAL)
L - value	number values qualified with 'L' (=less than)
- percent	percent of all values not B, H, or other (ANAL)
G - value	number values qualified with 'G' (=greater than)
- percent	percent of all values not B, H, or other (ANAL)
Other	number qualified values not equal B, T, H, N, L, G
- percent	percent of all records read (READ)
UNQUAL	number unqualified data values
- percent	percent of values not B, H, or other (ANAL)
ANAL	total number valid data values (= unqualified + N, L, T, G)
READ	number input records read
MIN	minimum unqualified value
MAX	maximum unqualified value
AMEAN	arithmetic mean of unqualified values
SD	standard deviation of unqualified values
GMEAN	geometric mena of unqualified values
GD	geometric deviation of unqualified vslues
VALUES	number of data values used to compute the above statistics. Note: geometric mean and deviation can not be computed for a variable if one or more values are zero or less.

RECOMPUTATION OF STATISTICS FOR QUALIFIED DATA

If any data values are qualified with codes N, L, T, or G, then Min, Max, AMEAN, SD, GMEAN, and GD are recomputed after setting all values with N, L, or T codes equal to one-half lower determination limit and setting values with the code G equal to two times the upper determination limit. These estimates are usually good when the percent of qualified values is small; becoming increasingly poor as that percentage increases.

No data is available for the elements: As, Au, Bi, Sb, Sn, Th, W (stream-sediment samples), Th (panned-concentrate samples), and Au, Sb, Sn, Th, W (rock samples) because all the values are qualified.

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-CA%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.150	1	1.23	1	1.2	98.8	1	1.2	98.8
2	0.200	4	4.94	5	6.2	93.8	5	6.2	93.8
3	0.300	2	2.47	7	8.6	91.4	7	8.6	91.4
4	0.500	5	6.17	12	14.8	85.2	12	14.8	85.2
5	0.700	6	7.41	18	22.2	77.8	18	22.2	77.8
6	1.000	9	11.11	27	33.3	66.7	27	33.3	66.7
7	1.500	10	12.35	37	45.7	54.3	37	45.7	54.3
8	2.000	15	18.52	52	64.2	35.8	52	64.2	35.8
9	3.000	15	18.52	67	82.7	17.3	67	82.7	17.3
10	5.000	5	6.17	72	88.9	11.1	72	88.9	11.1
11	7.000	7	8.64	79	97.5	2.5	79	97.5	2.5
12	10.000	1	1.23	80	98.8	1.2	80	98.8	1.2
13	15.000	1	1.23	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.150	15.00	2.546	2.50	1.664	2.69	81

```
                                Percent of Values
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00
         +---------+---------+---------+---------+---------+---------+
  0.150 +XI
  0.200 +XXXXXXXXXI
  0.300 +XXXXI
  0.500 +XXXXXXXXXXXI
  0.700 +XXXXXXXXXXXXXXI
  1.000 +XXXXXXXXXXXXXXXXXXXXXI
  1.500 +XXXXXXXXXXXXXXXXXXXXXXXXI
  2.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  3.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  5.000 +XXXXXXXXXXXI
  7.000 +XXXXXXXXXXXXXXXXI
 10.000 +XI
 15.000 +XI
         +---------+---------+---------+---------+---------+---------+
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-FE%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	2.000	1	1.23	1	1.2	98.8	1	1.2	98.8
2	3.000	6	7.41	7	8.6	91.4	7	8.6	91.4
3	5.000	17	20.99	24	29.6	70.4	24	29.6	70.4
4	7.000	31	38.27	55	67.9	32.1	55	67.9	32.1
5	10.000	24	29.63	79	97.5	2.5	79	97.5	2.5
6	15.000	2	2.47	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
2.000	15.00	7.309	2.56	6.832	1.47	81

```
                                Percent of Values
        0.00                 20.00                 40.00                 60.00
                 10.00                 30.00                 50.00
         +---------+---------+---------+---------+---------+---------+
   2.000 +I
   3.000 +XXXXXXI
   5.000 +XXXXXXXXXXXXXXXXXXXI
   7.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  10.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  15.000 +xI
         +---------+---------+---------+---------+---------+---------+
        0.00                 20.00                 40.00                 60.00
                 10.00                 30.00                 50.00
```

Each increment (each X or I plotted) = 1.000 %

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-MG%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.500	1	1.23	1	1.2	98.8	1	1.2	98.8
2	0.700	2	2.47	3	3.7	96.3	3	3.7	96.3
3	1.000	3	3.70	6	7.4	92.6	6	7.4	92.6
4	1.500	17	20.99	23	28.4	71.6	23	28.4	71.6
5	2.000	21	25.93	44	54.3	45.7	44	54.3	45.7
6	3.000	26	32.10	70	86.4	13.6	70	86.4	13.6
7	5.000	7	8.64	77	95.1	4.9	77	95.1	4.9
8	7.000	4	4.94	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.500	7.00	2.635	1.45	2.305	1.68	81

```
                                Percent of Values
        0.00                 20.00                 40.00                 60.00
                 10.00                 30.00                 50.00
         +---------+---------+---------+---------+---------+---------+
  0.500 +I
  0.700 +XI
  1.000 +XXXI
  1.500 +XXXXXXXXXXXXXXXXXXXI
  2.000 +XXXXXXXXXXXXXXXXXXXXXXXXXI
  3.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  5.000 +XXXXXXXXI
  7.000 +XXXXI
         +---------+---------+---------+---------+---------+---------+
        0.00                 20.00                 40.00                 60.00
                 10.00                 30.00                 50.00

        Each increment (each X or I plotted) =      1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-TI%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.150	1	1.23	1	1.2	98.8	1	1.2	98.8
2	0.200	2	2.47	3	3.7	96.3	3	3.7	96.3
3	0.300	7	8.64	10	12.3	87.7	10	12.3	87.7
4	0.500	6	7.41	16	19.8	80.2	16	19.8	80.2
5	0.700	22	27.16	38	46.9	53.1	38	46.9	53.1
6	1.000	38	46.91	76	93.8	6.2	76	93.8	6.2
7	5.000	1	1.23	77	95.1	4.9	77	95.1	4.9

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	4	0	77	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	4.9	0.0	95.1			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.150	5.00	0.832	0.55	0.733	1.67	77

```
                                Percent of Values
        0.00                20.00                40.00                60.00
                10.00                30.00                50.00
         +---------+---------+---------+---------+---------+---------+
  0.150 +I
  0.200 +XI
  0.300 +XXXXXXXXI
  0.500 +XXXXXXI
  0.700 +XXXXXXXXXXXXXXXXXXXXXXXXXI
  1.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  1.500 +
  2.000 +
  3.000 +
  5.000 +I
         +---------+---------+---------+---------+---------+---------+
        0.00                20.00                40.00                60.00
                10.00                30.00                50.00

        Each increment (each X or I plotted) =      1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-AG

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	1.500	2	2.47	2	2.5	97.5	78	96.3	3.7
2	3.000	1	1.23	3	3.7	96.3	79	97.5	2.5
3	7.000	2	2.47	5	6.2	93.8	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	75	1	0	0	5	81	81	VALUES
0.0	0.0	0.0	92.6	1.2	0.0	0.0	6.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
1.500	7.00	4.000	2.81	3.191	2.16	5

```
                                Percent of Values
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
           +---------+---------+---------+---------+---------+---------+
    1.500  +XXXXXXXXXXXXXXXXXXXXXXXXI
    2.000  +
    3.000  +XXXXXXXXXXXI
    5.000  +
    7.000  +XXXXXXXXXXXXXXXXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
```

Each increment (each X or I plotted) = 0.100 %

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-B

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	5	6.17	5	6.2	93.8	7	8.6	91.4
2	15.000	1	1.23	6	7.4	92.6	8	9.9	90.1
3	20.000	20	24.69	26	32.1	67.9	28	34.6	65.4
4	30.000	10	12.35	36	44.4	55.6	38	46.9	53.1
5	50.000	9	11.11	45	55.6	44.4	47	58.0	42.0
6	70.000	17	20.99	62	76.5	23.5	64	79.0	21.0
7	1C0.000	6	7.41	68	84.0	16.0	70	86.4	13.6
8	150.000	6	7.41	74	91.4	8.6	76	93.8	6.2
9	200.000	5	6.17	79	97.5	2.5	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	1	1	0	0	79	81	81	VALUES
0.0	0.0	0.0	1.2	1.2	0.0	0.0	97.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	200.00	62.089	52.38	44.457	2.30	79

```
                                  Percent of Values
       0.00                10.00               2C.00               30.00
                 5.00                15.00               25.00
        +---------+---------+---------+---------+---------+---------+
 10.000 +XXXXXXXXXXX|
 15.000 +X|
 20.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
 30.000 +XXXXXXXXXXXXXXXXXXXXXXX|
 50.0C0 +XXXXXXXXXXXXXXXXXXXXX|
 70.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
100.000 +XXXXXXXXXXXXX|
150.000 +XXXXXXXXXXXXX|
200.000 +XXXXXXXXXXX|
        +---------+---------+---------+---------+---------+---------+
       0.00                10.00               20.00               30.00
                 5.00                15.00               25.C0

       Each increment (each X or | plotted) =      0.500 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-BA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	200.000	4	4.94	4	4.9	95.1	4	4.9	95.1
2	300.000	11	13.58	15	18.5	81.5	15	18.5	81.5
3	500.000	39	48.15	54	66.7	33.3	54	66.7	33.3
4	700.000	22	27.16	76	93.8	6.2	76	93.8	6.2
5	1000.000	5	6.17	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	1000.00	543.210	186.37	509.873	1.45	81

```
                                Percent of Values
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
  200.000  +XXXXI
  300.000  +XXXXXXXXXXXXI
  500.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  700.000  +XXXXXXXXXXXXXXXXXXXXXXXXXI
 1000.000  +XXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =      1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-BE

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	1.000	35	43.21	35	43.2	56.8	48	59.3	40.7
2	1.500	24	29.63	59	72.8	27.2	72	88.9	11.1
3	2.000	9	11.11	68	84.0	16.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	3	10	0	0	68	81	81	VALUES
0.0	0.0	0.0	3.7	12.3	0.0	0.0	84.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
1.000	2.00	1.309	0.36	1.265	1.30	68

```
                                Percent of Values
        0.00                20.00                40.00                60.00
                10.00                30.00                50.00
         +---------+---------+---------+---------+---------+---------+
  1.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  1.500  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  2.000  +XXXXXXXXXXI
         +---------+---------+---------+---------+---------+---------+
        0.00                20.00                40.00                60.00
                10.00                30.00                50.00

        Each increment (each X or I plotted) =      1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-CO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	1	1.23	1	1.2	98.8	1	1.2	98.8
2	15.000	16	19.75	17	21.0	79.0	17	21.0	79.0
3	20.000	30	37.04	47	58.0	42.0	47	58.0	42.0
4	30.000	22	27.16	69	85.2	14.8	69	85.2	14.8
5	50.000	9	11.11	78	96.3	3.7	78	96.3	3.7
6	70.000	2	2.47	80	98.8	1.2	80	98.8	1.2
7	100.000	1	1.23	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	100.00	27.160	15.02	24.364	1.55	81

```
                                Percent of Values
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
   10.000 +I
   15.000 +XXXXXXXXXXXXXXXXXXXI
   20.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   30.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXI
   50.000 +XXXXXXXXXXI
   70.000 +XI
  100.000 +I
           +---------+---------+---------+---------+---------+---------+
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =       1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-CR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	70.000	12	14.81	12	14.8	85.2	12	14.8	85.2
2	100.000	16	19.75	28	34.6	65.4	28	34.6	65.4
3	150.000	20	24.69	48	59.3	40.7	48	59.3	40.7
4	200.000	8	9.88	56	69.1	30.9	56	69.1	30.9
5	300.000	4	4.94	60	74.1	25.9	60	74.1	25.9
6	500.000	5	6.17	65	80.2	19.8	65	80.2	19.8
7	700.000	6	7.41	71	87.7	12.3	71	87.7	12.3
8	1000.000	6	7.41	77	95.1	4.9	77	95.1	4.9
9	1500.000	1	1.23	78	96.3	3.7	78	96.3	3.7
10	2000.000	1	1.23	79	97.5	2.5	79	97.5	2.5
11	3000.000	2	2.47	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
70.000	3000.00	375.802	551.69	209.266	2.65	81

```
                                   Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   70.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXI
  500.000 +XXXXXXXXXXXI
  700.000 +XXXXXXXXXXXXXXI
 1000.000 +XXXXXXXXXXXXXXI
 1500.000 +XI
 2000.000 +XI
 3000.000 +XXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-CU

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	4	4.94	4	4.9	95.1	4	4.9	95.1
2	30.000	13	16.05	17	21.0	79.0	17	21.0	79.0
3	50.000	27	33.33	44	54.3	45.7	44	54.3	45.7
4	70.000	22	27.16	66	81.5	18.5	66	81.5	18.5
5	100.000	9	11.11	75	92.6	7.4	75	92.6	7.4
6	150.000	6	7.41	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	150.00	63.704	32.57	56.519	1.64	81

```
                                  Percent of Values
          0.00                  20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
   20.000 +XXXXI
   30.000 +XXXXXXXXXXXXXXXI
   50.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXI
  150.000 +XXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =       1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-LA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	10	12.35	10	12.3	37.7	24	29.6	70.4
2	30.000	30	37.04	40	49.4	50.6	54	66.7	33.3
3	50.000	16	19.75	56	69.1	30.9	70	86.4	13.6
4	70.000	9	11.11	65	80.2	19.8	79	97.5	2.5
5	100.000	1	1.23	66	81.5	18.5	80	98.8	1.2
6	150.000	1	1.23	67	82.7	17.3	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	12	2	0	0	67	81	81	VALUES
0.0	0.0	0.0	14.8	2.5	0.0	0.0	82.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	150.00	41.493	22.11	37.281	1.56	67

```
                                Percent of Values
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
   20.000 +XXXXXXXXXXXI
   30.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   50.000 +XXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXI
  100.000 +I
  150.000 +I
           +---------+---------+---------+---------+---------+---------+
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =       1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-MN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT.CUM %	
1	500.000	1	1.23	1	1.2	98.8	1	1.2	98.8
2	700.000	6	7.41	7	8.6	91.4	7	8.6	91.4
3	1000.000	16	19.75	23	28.4	71.6	23	28.4	71.6
4	1500.000	33	40.74	56	69.1	30.9	56	69.1	30.9
5	2000.000	25	30.86	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
500.000	2000.00	1483.951	434.01	1410.785	1.40	81

```
                                Percent of Values
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
  500.000 +I
  700.000 +XXXXXXI
 1000.000 +XXXXXXXXXXXXXXXXXXI
 1500.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
 2000.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =      1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-MO

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %	
1	10.000	1	1.23	1	1.2	98.8	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	76	4	0	0	1	81	81	VALUES
0.0	0.0	0.0	93.8	4.9	0.0	0.0	1.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	10.00	10.000	0.00	10.000	********	1

```
                                Percent of Values
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00
         +---------+---------+---------+---------+---------+---------+
10.000   +XI
         +---------+---------+---------+---------+---------+---------+
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-NB

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %
1	20.000	2	2.47	2	2.5	97.5	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	58	21	0	0	2	81	81	VALUES
0.0	0.0	0.0	71.6	25.9	0.0	0.0	2.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	20.00	20.000	0.00	20.000	1.00	2

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   20.000  +XXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

699P

COLUMN ID.: S-NI

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	1	1.23	1	1.2	98.8	1	1.2	98.8
2	15.000	2	2.47	3	3.7	96.3	3	3.7	96.3
3	20.000	4	4.94	7	8.6	91.4	7	8.6	91.4
4	30.000	15	18.52	22	27.2	72.8	22	27.2	72.8
5	50.000	16	19.75	38	46.9	53.1	38	46.9	53.1
6	70.000	18	22.22	56	69.1	30.9	56	69.1	30.9
7	100.000	10	12.35	66	81.5	18.5	66	81.5	18.5
8	150.000	8	9.88	74	91.4	8.6	74	91.4	8.6
9	200.000	4	4.94	78	96.3	3.7	78	96.3	3.7
10	300.000	1	1.23	79	97.5	2.5	79	97.5	2.5
11	1500.000	1	1.23	80	98.8	1.2	80	98.8	1.2
12	2000.000	1	1.23	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	2000.00	116.420	269.86	64.686	2.38	81

```
                                Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   10.000 +XI
   15.000 +XXXXI
   20.000 +XXXXXXXXXI
   30.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   50.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXI
  300.000 +XI
  500.000 +
  700.000 +
 1000.000 +
 1500.000 +XI
 2000.000 +XI
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-PB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	1	1.23	1	1.2	98.8	1	1.2	98.8
2	20.000	19	23.46	20	24.7	75.3	20	24.7	75.3
3	30.000	41	50.62	61	75.3	24.7	61	75.3	24.7
4	50.000	14	17.28	75	92.6	7.4	75	92.6	7.4
5	70.000	4	4.94	79	97.5	2.5	79	97.5	2.5
6	300.000	2	2.47	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	300.00	39.506	43.70	32.444	1.67	81

```
                             Percent of Values
          0.00               20.00               40.00               60.00
                    10.00               30.00               50.00
          +---------+---------+---------+---------+---------+---------+
  10.000  +I
  15.000  +
  20.000  +XXXXXXXXXXXXXXXXXXXXXXI
  30.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  50.000  +XXXXXXXXXXXXXXXXI
  70.000  +XXXXI
 100.000  +
 150.000  +
 200.000  +
 300.000  +XI
          +---------+---------+---------+---------+---------+---------+
          0.00               20.00               40.00               60.00
                    10.00               30.00               50.00

          Each increment (each X or I plotted) =      1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-SC

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	7.000	2	2.47	2	2.5	97.5	2	2.5	97.5
2	10.000	4	4.94	6	7.4	92.6	6	7.4	92.6
3	15.000	40	49.38	46	56.8	43.2	46	56.8	43.2
4	20.000	28	34.57	74	91.4	8.6	74	91.4	8.6
5	30.000	7	8.64	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
7.000	30.00	17.580	4.95	16.921	1.32	81

```
                         Percent of Values
       0.00            20.00            40.00            60.00
               10.00            30.00            50.00
        +---------+---------+---------+---------+---------+---------+
 7.000  +XI
10.000  +XXXXI
15.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
20.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
30.000  +XXXXXXXXI
        +---------+---------+---------+---------+---------+---------+
       0.00            20.00            40.00            60.00
               10.00            30.00            50.00

       Each increment (each X or I plotted) =     1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-SR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	6	7.41	6	7.4	92.6	25	30.9	69.1
2	150.000	4	4.94	10	12.3	87.7	29	35.8	64.2
3	200.000	14	17.28	24	29.6	70.4	43	53.1	46.9
4	300.000	13	16.05	37	45.7	54.3	56	69.1	30.9
5	500.000	12	14.81	49	60.5	39.5	68	84.0	16.0
6	700.000	10	12.35	59	72.8	27.2	78	96.3	3.7
7	1000.000	2	2.47	61	75.3	24.7	80	98.8	1.2
8	1500.000	1	1.23	62	76.5	23.5	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	14	5	0	0	62	81	81	VALUES
0.0	0.0	0.0	17.3	6.2	0.0	0.0	76.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	1500.00	393.548	269.41	317.830	1.95	62

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  100.000 +XXXXXXXXXXXXXI
  150.000 +XXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  500.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  700.000 +XXXXXXXXXXXXXXXXXXXXXXXXI
 1000.000 +XXXXI
 1500.000 +XI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-V

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	50.000	1	1.23	1	1.2	98.8	1	1.2	98.8
2	100.000	12	14.81	13	16.0	84.0	13	16.0	84.0
3	150.000	31	38.27	44	54.3	45.7	44	54.3	45.7
4	200.000	23	28.40	67	82.7	17.3	67	82.7	17.3
5	300.000	12	14.81	79	97.5	2.5	79	97.5	2.5
6	500.000	1	1.23	80	98.8	1.2	80	98.8	1.2
7	700.000	1	1.23	81	100.0	0.0	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	81	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
50.000	700.00	188.889	91.52	173.341	1.50	81

```
                                  Percent of Values
          0.00                  20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
   50.000 +I
   70.000 +
  100.000 +XXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXXXXXXI
  500.000 +I
  700.000 +I
           +---------+---------+---------+---------+---------+---------+
          0.00                  20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =       1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-Y

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	15.000	5	6.17	5	6.2	93.8	6	7.4	92.6
2	20.000	21	25.93	26	32.1	67.9	27	33.3	66.7
3	30.000	47	58.02	73	90.1	9.9	74	91.4	8.6
4	50.000	6	7.41	79	97.5	2.5	80	98.8	1.2
5	70.000	1	1.23	80	98.8	1.2	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	1	0	0	80	81	81	VALUES
0.0	0.0	0.0	0.0	1.2	0.0	0.0	98.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
15.000	70.00	28.438	9.43	27.122	1.36	80

```
                                Percent of Values
        0.00                 20.00                 40.00                 60.00
                 10.00                 30.00                 50.00
         +---------+---------+---------+---------+---------+---------+
15.000   +XXXXXI
20.000   +XXXXXXXXXXXXXXXXXXXXXXXXXI
30.000   +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
50.000   +XXXXXXI
70.000   +I
         +---------+---------+---------+---------+---------+---------+
        0.00                 20.00                 40.00                 60.00
                 10.00                 30.00                 50.00

        Each increment (each X or I plotted) =      1.000 %
```

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-ZN

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %
1	200.000	6	7.41	6	7.4	92.6	81	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	53	22	0	0	6	81	81	VALUES
0.0	0.0	0.0	65.4	27.2	0.0	0.0	7.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	200.00	200.000	0.00	200.000	********	6

```
                                Percent of Values
        0.00                  10.00                 20.00                 30.00
                  5.00                  15.00                 25.00
         +---------+---------+---------+---------+---------+---------+
200.000  +XXXXXXXXXXXXXI
         +---------+---------+---------+---------+---------+---------+
        0.00                  10.00                 20.00                 30.00
                  5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 7. --Statistical summaries of the analytical data from the East Yuba and West Yuba stream-sediment samples

COLUMN ID.: S-ZR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	30.000	1	1.23	1	1.2	98.8	1	1.2	98.8
2	70.000	6	7.41	7	8.6	91.4	7	8.6	91.4
3	100.000	16	19.75	23	28.4	71.6	23	28.4	71.6
4	150.000	30	37.04	53	65.4	34.6	53	65.4	34.6
5	200.000	16	19.75	69	85.2	14.8	69	85.2	14.8
6	300.000	9	11.11	78	96.3	3.7	78	96.3	3.7
7	500.000	1	1.23	79	97.5	2.5	79	97.5	2.5
8	700.000	1	1.23	80	98.8	1.2	80	98.8	1.2

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	1	0	80	81	81	VALUES
0.0	0.0	0.0	0.0	0.0	1.2	0.0	98.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
30.000	700.00	170.625	95.88	151.727	1.62	80

```
                                Percent of Values
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
   30.000 +I
   50.000 +
   70.000 +XXXXXXI
  100.000 +XXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXXI
  500.000 +I
  700.000 +I
           +---------+---------+---------+---------+---------+---------+
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =      1.000 %
```

Table 8.--Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-CA%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.150	5	5.56	5	5.6	94.4	6	6.7	93.3
2	0.200	3	3.33	8	8.9	91.1	9	10.0	90.0
3	0.300	2	2.22	10	11.1	88.9	11	12.2	87.8
4	0.500	3	3.33	13	14.4	85.6	14	15.6	84.4
5	0.700	1	1.11	14	15.6	84.4	15	16.7	83.3
6	1.000	6	6.67	20	22.2	77.8	21	23.3	76.7
7	1.500	5	5.56	25	27.8	72.2	26	28.9	71.1
8	2.000	25	27.78	50	55.6	44.4	51	56.7	43.3
9	3.000	23	25.56	73	81.1	18.9	74	82.2	17.8
10	5.000	9	10.00	82	91.1	8.9	83	92.2	7.8
11	7.000	3	3.33	85	94.4	5.6	86	95.6	4.4
12	10.000	4	4.44	89	98.9	1.1	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	1	0	0	89	90	90	VALUES
0.0	0.0	0.0	0.0	1.1	0.0	0.0	98.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.150	10.00	2.726	2.23	1.855	2.79	89

```
                              Percent of Values
        0.00                 10.00                 20.00                 30.00
                   5.00                  15.00                 25.00
         +---------+---------+---------+---------+---------+---------+
  0.150  +XXXXXXXXXXI
  0.200  +XXXXXXI
  0.300  +XXXI
  0.500  +XXXXXXI
  0.700  +XI
  1.000  +XXXXXXXXXXXXI
  1.500  +XXXXXXXXXXI
  2.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  3.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  5.000  +XXXXXXXXXXXXXXXXXXXI
  7.000  +XXXXXXI
 10.000  +XXXXXXXXI
         +---------+---------+---------+---------+---------+---------+
        0.00                 10.00                 20.00                 30.00
                   5.00                  15.00                 25.00

        Each increment (each X or I plotted) =       0.500 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-FE%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.500	1	1.11	1	1.1	98.9	1	1.1	98.9
2	0.700	10	11.11	11	12.2	87.8	11	12.2	87.8
3	1.000	7	7.78	18	20.0	80.0	18	20.0	80.0
4	1.500	15	16.67	33	36.7	63.3	33	36.7	63.3
5	2.000	21	23.33	54	60.0	40.0	54	60.0	40.0
6	3.000	5	5.56	59	65.6	34.4	59	65.6	34.4
7	5.000	7	7.78	66	73.3	26.7	66	73.3	26.7
8	7.000	11	12.22	77	85.6	14.4	77	85.6	14.4
9	10.000	9	10.00	86	95.6	4.4	86	95.6	4.4
10	15.000	2	2.22	88	97.8	2.2	88	97.8	2.2
11	20.000	1	1.11	89	98.9	1.1	89	98.9	1.1
12	30.000	1	1.11	90	100.0	0.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	90	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.500	30.00	4.178	4.70	2.631	2.56	90

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   0.500  +XI
   0.700  +XXXXXXXXXXXXXXXXXXXXI
   1.000  +XXXXXXXXXXXXXXXI
   1.500  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   2.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   3.000  +XXXXXXXXXXI
   5.000  +XXXXXXXXXXXXXXXI
   7.000  +XXXXXXXXXXXXXXXXXXXXXXXI
  10.000  +XXXXXXXXXXXXXXXXXXXI
  15.000  +XXXI
  20.000  +XI
  30.000  +XI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-MG%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.050	1	1.11	1	1.1	98.9	1	1.1	98.9
2	0.100	10	11.11	11	12.2	87.8	11	12.2	87.8
3	0.150	10	11.11	21	23.3	76.7	21	23.3	76.7
4	0.200	16	17.78	37	41.1	58.9	37	41.1	58.9
5	0.300	7	7.78	44	48.9	51.1	44	48.9	51.1
6	0.500	12	13.33	56	62.2	37.8	56	62.2	37.8
7	0.700	7	7.78	63	70.0	30.0	63	70.0	30.0
8	1.000	17	18.89	80	88.9	11.1	80	88.9	11.1
9	1.500	5	5.56	85	94.4	5.6	85	94.4	5.6
10	3.000	4	4.44	89	98.9	1.1	89	98.9	1.1
11	5.000	1	1.11	90	100.0	0.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	90	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.050	5.00	0.669	0.80	0.402	2.73	90

```
                                Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
    0.050 +XI
    0.070 +
    0.100 +XXXXXXXXXXXXXXXXXXXXI
    0.150 +XXXXXXXXXXXXXXXXXXXXI
    0.200 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
    0.300 +XXXXXXXXXXXXXXXI
    0.500 +XXXXXXXXXXXXXXXXXXXXXXXXXXI
    0.700 +XXXXXXXXXXXXXXXI
    1.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
    1.500 +XXXXXXXXXXI
    2.000 +
    3.000 +XXXXXXXXI
    5.000 +XI
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-TI%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.500	1	1.11	1	1.1	98.9	1	1.1	98.9
2	0.700	1	1.11	2	2.2	97.8	2	2.2	97.8
3	1.000	2	2.22	4	4.4	95.6	4	4.4	95.6
4	1.500	4	4.44	8	8.9	91.1	8	8.9	91.1
5	2.000	57	63.33	65	72.2	27.8	65	72.2	27.8

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	25	0	65	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	27.8	0.0	72.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.500	2.00	1.895	0.31	1.853	1.28	65

```
                                Percent of Values
        0.00                  21.11                  42.22                  63.33
                 10.56                  31.67                  52.78
         +---------+---------+---------+---------+---------+---------+
  0.500 +I
  0.700 +I
  1.000 +XI
  1.500 +XXXI
  2.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
         +---------+---------+---------+---------+---------+---------+
        0.00                  21.11                  42.22                  63.33
                 10.56                  31.67                  52.78
```

Each increment (each X or I plotted) = 1.056 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-AG

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	1.000	1	1.11	1	1.1	98.9	65	72.2	27.8
2	2.000	4	4.44	5	5.6	94.4	69	76.7	23.3
3	3.000	1	1.11	6	6.7	93.3	70	77.8	22.2
4	5.000	3	3.33	9	10.0	90.0	73	81.1	18.9
5	7.000	2	2.22	11	12.2	87.8	75	83.3	16.7
6	10.000	2	2.22	13	14.4	85.6	77	85.6	14.4
7	15.000	2	2.22	15	16.7	83.3	79	87.8	12.2
8	20.000	4	4.44	19	21.1	78.9	83	92.2	7.8
9	50.000	1	1.11	20	22.2	77.8	84	93.3	6.7
10	150.000	1	1.11	21	23.3	76.7	85	94.4	5.6
11	200.000	2	2.22	23	25.6	74.4	87	96.7	3.3
12	500.000	2	2.22	25	27.8	72.2	89	98.9	1.1
13	700.000	1	1.11	26	28.9	71.1	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	55	9	0	0	26	90	90	VALUES
0.0	0.0	0.0	61.1	10.0	0.0	0.0	28.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
1.000	700.00	95.038	185.75	16.632	6.73	26

```
                                Percent of Values
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
           +---------+---------+---------+---------+---------+---------+
    1.000 +XXXXXXXXXXI
    1.500 +
    2.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
    3.000 +XXXXXXXXXXI
    5.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
    7.000 +XXXXXXXXXXXXXXXXXXXXXI
   10.000 +XXXXXXXXXXXXXXXXXXXXXI
   15.000 +XXXXXXXXXXXXXXXXXXXXXI
   20.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   30.000 +
   50.000 +XXXXXXXXXXI
   70.000 +
  100.000 +
  150.000 +XXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXXXXI
  300.000 +
  500.000 +XXXXXXXXXXXXXXXXXXXXXI
  700.000 +XXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
```

Each increment (each X or I plotted) = 0.100 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-AS

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	1000.000	4	4.44	4	4.4	95.6	88	97.8	2.2
2	2000.000	1	1.11	5	5.6	94.4	89	98.9	1.1
3	3000.000	1	1.11	6	6.7	93.3	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	80	4	0	0	6	90	90	VALUES
0.0	0.0	0.0	88.9	4.4	0.0	0.0	6.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
1000.000	3000.00	1500.000	836.66	1348.006	1.62	6

```
                              Percent of Values
          0.00                    2.00                    4.00                    6.00
                    1.00                    3.00                    5.00
           +---------+---------+---------+---------+---------+---------+
 1000.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
 1500.000  +
 2000.000  +XXXXXXXXXXI
 3000.000  +XXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                    2.00                    4.00                    6.00
                    1.00                    3.00                    5.00
```

Each increment (each X or I plotted) = 0.100 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-AU

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	3	3.33	3	3.3	96.7	75	83.3	16.7
2	30.000	1	1.11	4	4.4	95.6	76	84.4	15.6
3	50.000	2	2.22	6	6.7	93.3	78	86.7	13.3
4	100.000	1	1.11	7	7.8	92.2	79	87.8	12.2
5	200.000	4	4.44	11	12.2	87.8	83	92.2	7.8
6	300.000	2	2.22	13	14.4	85.6	85	94.4	5.6
7	500.000	1	1.11	14	15.6	84.4	86	95.6	4.4

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	67	5	4	0	14	90	90	VALUES
0.0	0.0	0.0	74.4	5.6	4.4	0.0	15.6			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	500.00	156.429	142.65	94.181	3.14	14

```
                                Percent of Values
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
           +---------+---------+---------+---------+---------+---------+
  20.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  30.000  +XXXXXXXXXXI
  50.000  +XXXXXXXXXXXXXXXXXXXXI
  70.000  +
 100.000  +XXXXXXXXXXI
 150.000  +
 200.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
 300.000  +XXXXXXXXXXXXXXXXXXXXI
 500.000  +XXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
```

Each increment (each X or I plotted) = 0.100 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-B

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	31	34.44	31	34.4	65.6	32	35.6	64.4
2	30.000	17	18.89	48	53.3	46.7	49	54.4	45.6
3	50.000	17	18.89	65	72.2	27.8	66	73.3	26.7
4	70.000	6	6.67	71	78.9	21.1	72	80.0	20.0
5	100.000	8	8.89	79	87.8	12.2	80	88.9	11.1
6	150.000	5	5.56	84	93.3	6.7	85	94.4	5.6
7	200.000	4	4.44	88	97.8	2.2	89	98.9	1.1
8	300.000	1	1.11	89	98.9	1.1	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	1	0	0	89	90	90	VALUES
0.0	0.0	0.0	0.0	1.1	0.0	0.0	98.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	300.00	56.742	53.89	41.448	2.11	89

```
                                  Percent of Values
          0.00                  20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
  20.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  30.000  +XXXXXXXXXXXXXXXXXI
  50.000  +XXXXXXXXXXXXXXXXXI
  70.000  +XXXXXXI
 100.000  +XXXXXXXXI
 150.000  +XXXXXI
 200.000  +XXXI
 300.000  +I
           +---------+---------+---------+---------+---------+---------+
          0.00                  20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =       1.000 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-BA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	150.000	1	1.11	1	1.1	98.9	1	1.1	98.9
2	200.000	1	1.11	2	2.2	97.8	2	2.2	97.8
3	300.000	4	4.44	6	6.7	93.3	6	6.7	93.3
4	500.000	21	23.33	27	30.0	70.0	27	30.0	70.0
5	700.000	22	24.44	49	54.4	45.6	49	54.4	45.6
6	1000.000	9	10.00	58	64.4	35.6	58	64.4	35.6
7	1500.000	4	4.44	62	68.9	31.1	62	68.9	31.1
8	2000.000	4	4.44	66	73.3	26.7	66	73.3	26.7
9	3000.000	4	4.44	70	77.8	22.2	70	77.8	22.2
10	5000.000	3	3.33	73	81.1	18.9	73	81.1	18.9
11	10000.000	3	3.33	76	84.4	15.6	76	84.4	15.6

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	14	0	76	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	15.6	0.0	84.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
150.000	10000.00	1413.816	2031.54	874.401	2.35	76

```
                                  Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  150.000 +X|
  200.000 +X|
  300.000 +XXXXXXXX|
  500.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
  700.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|
 1000.000 +XXXXXXXXXXXXXXXXXX|
 1500.000 +XXXXXXXX|
 2000.000 +XXXXXXXX|
 3000.000 +XXXXXXXX|
 5000.000 +XXXXXX|
 7000.000 +
10000.000 +XXXXXX|
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or | plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-BE

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	2.000	19	21.11	19	21.1	78.9	87	96.7	3.3
2	3.000	3	3.33	22	24.4	75.6	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	24	44	0	0	22	90	90	VALUES
0.0	0.0	0.0	26.7	48.9	0.0	0.0	24.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
2.000	3.00	2.136	0.35	2.114	1.15	22

```
                        Percent of Values
       0.00               10.00               20.00               30.00
                 5.00               15.00               25.00
         +---------+---------+---------+---------+---------+---------+
   2.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   3.000 +XXXXXXI
         +---------+---------+---------+---------+---------+---------+
       0.00               10.00               20.00               30.00
                 5.00               15.00               25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-BI

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	1	1.11	1	1.1	98.9	85	94.4	5.6
2	50.000	1	1.11	2	2.2	97.8	86	95.6	4.4
3	70.000	1	1.11	3	3.3	96.7	87	96.7	3.3
4	100.000	2	2.22	5	5.6	94.4	89	98.9	1.1
5	500.000	1	1.11	6	6.7	93.3	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	76	8	0	0	6	90	90	VALUES
0.0	0.0	0.0	84.4	8.9	0.0	0.0	6.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	500.00	140.000	179.00	83.948	2.88	6

```
                                Percent of Values
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
           +---------+---------+---------+---------+---------+---------+
   20.000  +XXXXXXXXXXI
   30.000  +
   50.000  +XXXXXXXXXXI
   70.000  +XXXXXXXXXXI
  100.000  +XXXXXXXXXXXXXXXXXXXXI
  150.000  +
  200.000  +
  300.000  +
  500.000  +XXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
```

Each increment (each X or I plotted) = 0.100 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-CO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	13	14.44	13	14.4	85.6	15	16.7	83.3
2	15.000	6	6.67	19	21.1	78.9	21	23.3	76.7
3	20.000	28	31.11	47	52.2	47.8	49	54.4	45.6
4	30.000	15	16.67	62	68.9	31.1	64	71.1	28.9
5	50.000	13	14.44	75	83.3	16.7	77	85.6	14.4
6	70.000	3	3.33	78	86.7	13.3	80	88.9	11.1
7	100.000	7	7.78	85	94.4	5.6	87	96.7	3.3
8	150.000	2	2.22	87	96.7	3.3	89	98.9	1.1
9	200.000	1	1.11	88	97.8	2.2	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	1	1	0	0	88	90	90	VALUES
0.0	0.0	0.0	1.1	1.1	0.0	0.0	97.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	200.00	37.386	35.00	27.685	2.09	88

```
                                   Percent of Values
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
   10.000  +XXXXXXXXXXXXXI
   15.000  +XXXXXXI
   20.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   30.000  +XXXXXXXXXXXXXXXXI
   50.000  +XXXXXXXXXXXXXI
   70.000  +XXI
  100.000  +XXXXXXXI
  150.000  +XI
  200.000  +I
           +---------+---------+---------+---------+---------+---------+
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =      1.000 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-CR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	5	5.56	5	5.6	94.4	5	5.6	94.4
2	30.000	2	2.22	7	7.8	92.2	7	7.8	92.2
3	50.000	7	7.78	14	15.6	84.4	14	15.6	84.4
4	70.000	8	8.89	22	24.4	75.6	22	24.4	75.6
5	100.000	13	14.44	35	38.9	61.1	35	38.9	61.1
6	150.000	7	7.78	42	46.7	53.3	42	46.7	53.3
7	200.000	17	18.89	59	65.6	34.4	59	65.6	34.4
8	300.000	13	14.44	72	80.0	20.0	72	80.0	20.0
9	500.000	8	8.89	80	88.9	11.1	80	88.9	11.1
10	700.000	1	1.11	81	90.0	10.0	81	90.0	10.0
11	1000.000	6	6.67	87	96.7	3.3	87	96.7	3.3
12	2000.000	3	3.33	90	100.0	0.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	90	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	2000.00	304.667	401.32	171.158	2.92	90

```
                                   Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   20.000 +XXXXXXXXXXI
   30.000 +XXXI
   50.000 +XXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXI
  500.000 +XXXXXXXXXXXXXXXXXI
  700.000 +XI
 1000.000 +XXXXXXXXXXXXI
 1500.000 +
 2000.000 +XXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-CU

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	2	2.22	2	2.2	97.8	2	2.2	97.8
2	15.000	9	10.00	11	12.2	87.8	11	12.2	87.8
3	20.000	16	17.78	27	30.0	70.0	27	30.0	70.0
4	30.000	5	5.56	32	35.6	64.4	32	35.6	64.4
5	50.000	2	2.22	34	37.8	62.2	34	37.8	62.2
6	70.000	12	13.33	46	51.1	48.9	46	51.1	48.9
7	100.000	17	18.89	63	70.0	30.0	63	70.0	30.0
8	150.000	10	11.11	73	81.1	18.9	73	81.1	18.9
9	200.000	7	7.78	80	88.9	11.1	80	88.9	11.1
10	300.000	6	6.67	86	95.6	4.4	86	95.6	4.4
11	500.000	4	4.44	90	100.0	0.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	90	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	500.00	110.722	115.56	66.159	2.91	90

```
                                   Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   10.000 +XXXI
   15.000 +XXXXXXXXXXXXXXXXXXI
   20.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   30.000 +XXXXXXXXXXI
   50.000 +XXXI
   70.000 +XXXXXXXXXXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXXXXI
  500.000 +XXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-LA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	50.000	1	1.11	1	1.1	98.9	34	37.8	62.2
2	70.000	4	4.44	5	5.6	94.4	38	42.2	57.8
3	100.000	16	17.78	21	23.3	76.7	54	60.0	40.0
4	150.000	17	18.89	38	42.2	57.8	71	78.9	21.1
5	200.000	13	14.44	51	56.7	43.3	84	93.3	6.7
6	300.000	4	4.44	55	61.1	38.9	88	97.8	2.2
7	500.000	2	2.22	57	63.3	36.7	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	27	6	0	0	57	90	90	VALUES
0.0	0.0	0.0	30.0	6.7	0.0	0.0	63.3			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
50.000	500.00	162.807	88.01	145.556	1.59	57

```
                                  Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   50.000  +XI
   70.000  +XXXXXXXXI
  100.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  150.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  200.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  300.000  +XXXXXXXXI
  500.000  +XXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00

          Each increment (each X or I plotted) =       0.500 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-MN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	1	1.11	1	1.1	98.9	1	1.1	98.9
2	150.000	10	11.11	11	12.2	87.8	11	12.2	87.8
3	200.000	21	23.33	32	35.6	64.4	32	35.6	64.4
4	300.000	9	10.00	41	45.6	54.4	41	45.6	54.4
5	500.000	22	24.44	63	70.0	30.0	63	70.0	30.0
6	700.000	21	23.33	84	93.3	6.7	84	93.3	6.7
7	1000.000	5	5.56	89	98.9	1.1	89	98.9	1.1
8	2000.000	1	1.11	90	100.0	0.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	90	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	2000.00	457.778	296.32	376.338	1.90	90

```
                                Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  100.000 +XI
  150.000 +XXXXXXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXXXXXXXXXXXI
  500.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  700.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
 1000.000 +XXXXXXXXXXI
 1500.000 +
 2000.000 +XI
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-MO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	1	1.11	1	1.1	98.9	86	95.6	4.4
2	10.000	2	2.22	3	3.3	96.7	88	97.8	2.2
3	15.000	1	1.11	4	4.4	95.6	89	98.9	1.1
4	300.000	1	1.11	5	5.6	94.4	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	80	5	0	0	5	90	90	VALUES
0.0	0.0	0.0	88.9	5.6	0.0	0.0	5.6			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	300.00	68.000	129.74	18.640	4.97	5

```
                                Percent of Values
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
           +---------+---------+---------+---------+---------+---------+
    5.000 +XXXXXXXXXXI
    7.000 +
   10.000 +XXXXXXXXXXXXXXXXXXXXI
   15.000 +XXXXXXXXXXI
   20.000 +
   30.000 +
   50.000 +
   70.000 +
  100.000 +
  150.000 +
  200.000 +
  300.000 +XXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
```

Each increment (each X or I plotted) = 0.100 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-NB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	50.000	26	28.89	26	28.9	71.1	49	54.4	45.6
2	70.000	14	15.56	40	44.4	55.6	63	70.0	30.0
3	100.000	17	18.89	57	63.3	36.7	80	88.9	11.1
4	150.000	6	6.67	63	70.0	30.0	86	95.6	4.4
5	200.000	4	4.44	67	74.4	25.6	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	8	15	0	0	67	90	90	VALUES
0.0	0.0	0.0	8.9	16.7	0.0	0.0	74.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
50.000	200.00	84.776	42.12	76.658	1.54	67

```
                                Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   50.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXI
  200.000 +XXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-NI

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	3	3.33	3	3.3	96.7	8	8.9	91.1
2	15.000	1	1.11	4	4.4	95.6	9	10.0	90.0
3	20.000	11	12.22	15	16.7	83.3	20	22.2	77.8
4	30.000	21	23.33	36	40.0	60.0	41	45.6	54.4
5	50.000	12	13.33	48	53.3	46.7	53	58.9	41.1
6	70.000	10	11.11	58	64.4	35.6	63	70.0	30.0
7	100.000	10	11.11	68	75.6	24.4	73	81.1	18.9
8	150.000	4	4.44	72	80.0	20.0	77	85.6	14.4
9	200.000	6	6.67	78	86.7	13.3	83	92.2	7.8
10	300.000	6	6.67	84	93.3	6.7	89	98.9	1.1
11	500.000	1	1.11	85	94.4	5.6	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	5	0	0	0	85	90	90	VALUES
0.0	0.0	0.0	5.6	0.0	0.0	0.0	94.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	500.00	85.824	91.07	55.730	2.49	85

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   10.000 +XXXXXXI
   15.000 +XI
   20.000 +XXXXXXXXXXXXXXXXXXXXXXI
   30.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   50.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXI
  200.000 +XXXXXXXXXXXXI
  300.000 +XXXXXXXXXXXXI
  500.000 +XI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-PB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	12	13.33	12	13.3	86.7	12	13.3	86.7
2	30.000	8	8.89	20	22.2	77.8	20	22.2	77.8
3	50.000	15	16.67	35	38.9	61.1	35	38.9	61.1
4	70.000	12	13.33	47	52.2	47.8	47	52.2	47.8
5	100.000	9	10.00	56	62.2	37.8	56	62.2	37.8
6	150.000	2	2.22	58	64.4	35.6	58	64.4	35.6
7	200.000	14	15.56	72	80.0	20.0	72	80.0	20.0
8	300.000	10	11.11	82	91.1	8.9	82	91.1	8.9
9	500.000	2	2.22	84	93.3	6.7	84	93.3	6.7
10	1500.000	2	2.22	86	95.6	4.4	86	95.6	4.4
11	2000.000	2	2.22	88	97.8	2.2	88	97.8	2.2
12	3000.000	1	1.11	89	98.9	1.1	89	98.9	1.1
13	5000.000	1	1.11	90	100.0	0.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	90	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	5000.00	278.556	684.66	99.798	3.43	90

```
                                  Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   20.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXI
   30.000  +XXXXXXXXXXXXXXXXI
   50.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   70.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXI
  100.000  +XXXXXXXXXXXXXXXXXXI
  150.000  +XXXI
  200.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  300.000  +XXXXXXXXXXXXXXXXXXXXXI
  500.000  +XXXI
  700.000  +
 1000.000  +
 1500.000  +XXXI
 2000.000  +XXXI
 3000.000  +XI
 5000.000  +XI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-SB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	200.000	1	1.11	1	1.1	98.9	89	98.9	1.1
2	1500.000	1	1.11	2	2.2	97.8	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	88	0	0	0	2	90	90	VALUES
0.0	0.0	0.0	97.8	0.0	0.0	0.0	2.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	1500.00	850.000	919.24	547.723	4.16	2

```
                                Percent of Values
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
           +---------+---------+---------+---------+---------+---------+
  200.000 +XXXXXXXXXXI
  300.000 +
  500.000 +
  700.000 +
 1000.000 +
 1500.000 +XXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
```

Each increment (each X or I plotted) = 0.100 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-SC

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	3	3.33	3	3.3	96.7	3	3.3	96.7
2	15.000	11	12.22	14	15.6	84.4	14	15.6	84.4
3	20.000	22	24.44	36	40.0	60.0	36	40.0	60.0
4	30.000	20	22.22	56	62.2	37.8	56	62.2	37.8
5	50.000	17	18.89	73	81.1	18.9	73	81.1	18.9
6	70.000	15	16.67	88	97.8	2.2	88	97.8	2.2
7	100.000	2	2.22	90	100.0	0.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	90	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	100.00	37.056	21.72	31.350	1.79	90

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   10.000 +XXXXXXI
   15.000 +XXXXXXXXXXXXXXXXXXXXXXI
   20.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   30.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   50.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  100.000 +XXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-SN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	9	10.00	9	10.0	90.0	70	77.8	22.2
2	30.000	1	1.11	10	11.1	88.9	71	78.9	21.1
3	50.000	4	4.44	14	15.6	84.4	75	83.3	16.7
4	70.000	4	4.44	18	20.0	80.0	79	87.8	12.2
5	100.000	6	6.67	24	26.7	73.3	85	94.4	5.6
6	150.000	2	2.22	26	28.9	71.1	87	96.7	3.3
7	200.000	1	1.11	27	30.0	70.0	88	97.8	2.2
8	300.000	1	1.11	28	31.1	68.9	89	98.9	1.1
9	700.000	1	1.11	29	32.2	67.8	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	52	9	0	0	29	90	90	VALUES
0.0	0.0	0.0	57.8	10.0	0.0	0.0	32.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	700.00	96.207	132.38	58.922	2.57	29

```
                                Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  20.000  +XXXXXXXXXXXXXXXXXXXI
  30.000  +XI
  50.000  +XXXXXXXXI
  70.000  +XXXXXXXXI
 100.000  +XXXXXXXXXXXXI
 150.000  +XXXI
 200.000  +XI
 300.000  +XI
 500.000  +
 700.000  +XI
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-SR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	200.000	16	17.78	16	17.8	82.2	41	45.6	54.4
2	300.000	9	10.00	25	27.8	72.2	50	55.6	44.4
3	500.000	19	21.11	44	48.9	51.1	69	76.7	23.3
4	700.000	12	13.33	56	62.2	37.8	81	90.0	10.0
5	1000.000	9	10.00	65	72.2	27.8	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	3	22	0	0	65	90	90	VALUES
0.0	0.0	0.0	3.3	24.4	0.0	0.0	72.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
200.000	1000.00	504.615	266.01	435.468	1.75	65

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  200.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  300.000  +XXXXXXXXXXXXXXXXXXXI
  500.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  700.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXI
 1000.000  +XXXXXXXXXXXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-V

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	1	1.11	1	1.1	98.9	1	1.1	98.9
2	30.000	2	2.22	3	3.3	96.7	3	3.3	96.7
3	50.000	2	2.22	5	5.6	94.4	5	5.6	94.4
4	70.000	2	2.22	7	7.8	92.2	7	7.8	92.2
5	100.000	26	28.89	33	36.7	63.3	33	36.7	63.3
6	150.000	39	43.33	72	80.0	20.0	72	80.0	20.0
7	200.000	10	11.11	82	91.1	8.9	82	91.1	8.9
8	300.000	7	7.78	89	98.9	1.1	89	98.9	1.1
9	500.000	1	1.11	90	100.0	0.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	90	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	500.00	148.556	70.97	133.387	1.63	90

```
                                Percent of Values
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00
           +---------+---------+---------+---------+---------+---------+
   20.000 +I
   30.000 +XI
   50.000 +XI
   70.000 +XI
  100.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXI
  300.000 +XXXXXXXI
  500.000 +I
           +---------+---------+---------+---------+---------+---------+
          0.00                 20.00                 40.00                 60.00
                   10.00                 30.00                 50.00

          Each increment (each X or I plotted) =      1.000 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-W

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	7	7.78	7	7.8	92.2	87	96.7	3.3
2	150.000	1	1.11	8	8.9	91.1	88	97.8	2.2
3	200.000	1	1.11	9	10.0	90.0	89	98.9	1.1
4	700.000	1	1.11	10	11.1	88.9	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	64	16	0	0	10	90	90	VALUES
0.0	0.0	0.0	71.1	17.8	0.0	0.0	11.1			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	700.00	175.000	187.45	135.588	1.87	10

```
                                   Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  100.000 +XXXXXXXXXXXXXXXI
  150.000 +XI
  200.000 +XI
  300.000 +
  500.000 +
  700.000 +XI
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-Y

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	30.000	4	4.44	4	4.4	95.6	4	4.4	95.6
2	50.000	9	10.00	13	14.4	85.6	13	14.4	85.6
3	70.000	8	8.89	21	23.3	76.7	21	23.3	76.7
4	100.000	11	12.22	32	35.6	64.4	32	35.6	64.4
5	150.000	24	26.67	56	62.2	37.8	56	62.2	37.8
6	200.000	21	23.33	77	85.6	14.4	77	85.6	14.4
7	300.000	10	11.11	87	96.7	3.3	87	96.7	3.3
8	500.000	3	3.33	90	100.0	0.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	0	0	90	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
30.000	500.00	161.444	98.27	133.783	1.91	90

```
                                   Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   30.000 +XXXXXXXXI
   50.000 +XXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXXXXXXXXXXXXXI
  500.000 +XXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00

          Each increment (each X or I plotted) =       0.500 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-ZN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	500.000	3	3.33	3	3.3	96.7	84	93.3	6.7
2	700.000	3	3.33	6	6.7	93.3	87	96.7	3.3
3	1000.000	2	2.22	8	8.9	91.1	89	98.9	1.1
4	1500.000	1	1.11	9	10.0	90.0	90	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	78	3	0	0	9	90	90	VALUES
0.0	0.0	0.0	86.7	3.3	0.0	0.0	10.0			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
500.000	1500.00	788.889	329.56	737.205	1.46	9

```
                                Percent of Values
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
           +---------+---------+---------+---------+---------+---------+
  500.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  700.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
 1000.000 +XXXXXXXXXXXXXXXXXXXXI
 1500.000 +XXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00

          Each increment (each X or I plotted) =      0.100 %
```

Table 8. --Statistical summaries of the analytical data from the East Yuba and West Yuba panned-concentrate samples

COLUMN ID.: S-ZR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	1	1.11	1	1.1	98.9	1	1.1	98.9
2	500.000	2	2.22	3	3.3	96.7	3	3.3	96.7
3	1000.000	3	3.33	6	6.7	93.3	6	6.7	93.3
4	1500.000	3	3.33	9	10.0	90.0	9	10.0	90.0
5	2000.000	19	21.11	28	31.1	68.9	28	31.1	68.9

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	62	0	28	90	90	VALUES
0.0	0.0	0.0	0.0	0.0	68.9	0.0	31.1			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	2000.00	1664.286	567.79	1465.281	1.94	28

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  100.000 +xI
  150.000 +
  200.000 +
  300.000 +
  500.000 +xxxI
  700.000 +
 1000.000 +xxxxxxI
 1500.000 +xxxxxxI
 2000.000 +xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-CA%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.010	1	0.69	1	0.7	99.3	32	22.2	77.8
2	0.050	3	2.08	4	2.8	97.2	35	24.3	75.7
3	0.070	6	4.17	10	6.9	93.1	41	28.5	71.5
4	0.100	8	5.56	18	12.5	87.5	49	34.0	66.0
5	0.150	2	1.39	20	13.9	86.1	51	35.4	64.6
6	0.200	4	2.78	24	16.7	83.3	55	38.2	61.8
7	0.300	7	4.86	31	21.5	78.5	62	43.1	56.9
8	0.500	8	5.56	39	27.1	72.9	70	48.6	51.4
9	0.700	5	3.47	44	30.6	69.4	75	52.1	47.9
10	1.000	8	5.56	52	36.1	63.9	83	57.6	42.4
11	1.500	5	3.47	57	39.6	60.4	88	61.1	38.9
12	2.000	1	0.69	58	40.3	59.7	89	61.8	38.2
13	3.000	3	2.08	61	42.4	57.6	92	63.9	36.1
14	5.000	13	9.03	74	51.4	48.6	105	72.9	27.1
15	7.000	21	14.58	95	66.0	34.0	126	87.5	12.5
16	10.000	5	3.47	100	69.4	30.6	131	91.0	9.0
17	15.000	3	2.08	103	71.5	28.5	134	93.1	6.9
18	20.000	1	0.69	104	72.2	27.8	135	93.8	6.2

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0.0	0.0	0.0	0.0	21.5	6.3	0.0	72.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.010	20.00	3.515	4.06	1.172	6.12	104

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID: S-CA%

```
                                Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
    0.010 +I
    0.015 +
    0.020 +
    0.030 +
    0.050 +XXXI
    0.070 +XXXXXXXI
    0.100 +XXXXXXXXXXI
    0.150 +XXI
    0.200 +XXXXXI
    0.300 +XXXXXXXXXI
    0.500 +XXXXXXXXXXI
    0.700 +XXXXXXI
    1.000 +XXXXXXXXXXI
    1.500 +XXXXXXI
    2.000 +I
    3.000 +XXXI
    5.000 +XXXXXXXXXXXXXXXXXI
    7.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXI
   10.000 +XXXXXXI
   15.000 +XXXI
   20.000 +I
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-FE%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.050	1	0.69	1	0.7	99.3	3	2.1	97.9
2	0.070	1	0.69	2	1.4	98.6	4	2.8	97.2
3	0.150	1	0.69	3	2.1	97.9	5	3.5	96.5
4	0.200	3	2.08	6	4.2	95.8	8	5.6	94.4
5	0.300	4	2.78	10	6.9	93.1	12	8.3	91.7
6	0.500	6	4.17	16	11.1	88.9	18	12.5	87.5
7	0.700	5	3.47	21	14.6	85.4	23	16.0	84.0
8	1.000	7	4.86	28	19.4	80.6	30	20.8	79.2
9	1.500	12	8.33	40	27.8	72.2	42	29.2	70.8
10	2.000	10	6.94	50	34.7	65.3	52	36.1	63.9
11	3.000	17	11.81	67	46.5	53.5	69	47.9	52.1
12	5.000	18	12.50	85	59.0	41.0	87	60.4	39.6
13	7.000	23	15.97	108	75.0	25.0	110	76.4	23.6
14	10.000	25	17.36	133	92.4	7.6	135	93.8	6.2
15	15.000	7	4.86	140	97.2	2.8	142	98.6	1.4
16	20.000	2	1.39	142	98.6	1.4	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	2	0	0	142	144	144	VALUES
0.0	0.0	0.0	0.0	1.4	0.0	0.0	98.6			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.050	20.00	5.286	4.39	3.164	3.40	142

```
                                   Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
    0.050 +I
    0.070 +I
    0.100 +
    0.150 +I
    0.200 +XXXI
    0.300 +XXXXXI
    0.500 +XXXXXXXI
    1.000 +XXXXXXXXXI
    1.500 +XXXXXXXXXXXXXXXXI
    2.000 +XXXXXXXXXXXXXI
    3.000 +XXXXXXXXXXXXXXXXXXXXXXXI
    5.000 +XXXXXXXXXXXXXXXXXXXXXXXXXI
    7.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   10.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   15.000 +XXXXXXXXXI
   20.000 +XXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-MG%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.020	2	1.39	2	1.4	98.6	2	1.4	98.6
2	0.030	1	0.69	3	2.1	97.9	3	2.1	97.9
3	0.070	2	1.39	5	3.5	96.5	5	3.5	96.5
4	0.100	2	1.39	7	4.9	95.1	7	4.9	95.1
5	0.150	4	2.78	11	7.6	92.4	11	7.6	92.4
6	0.200	3	2.08	14	9.7	90.3	14	9.7	90.3
7	0.300	10	6.94	24	16.7	83.3	24	16.7	83.3
8	0.500	10	6.94	34	23.6	76.4	34	23.6	76.4
9	0.700	4	2.78	38	26.4	73.6	38	26.4	73.6
10	1.000	7	4.86	45	31.3	68.8	45	31.3	68.8
11	1.500	13	9.03	58	40.3	59.7	58	40.3	59.7
12	2.000	14	9.72	72	50.0	50.0	72	50.0	50.0
13	3.000	19	13.19	91	63.2	36.8	91	63.2	36.8
14	5.000	16	11.11	107	74.3	25.7	107	74.3	25.7
15	7.000	16	11.11	123	85.4	14.6	123	85.4	14.6
16	10.000	19	13.19	142	98.6	1.4	142	98.6	1.4

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	0	2	0	142	144	144	VALUES

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.020	10.00	3.563	3.32	1.787	4.26	142

```
                                Percent of Values
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00
          +---------+---------+---------+---------+---------+---------+
   0.020 +XXI
   0.030 +I
   0.050 +
   0.070 +XXI
   0.100 +XXI
   0.150 +XXXXXI
   0.200 +XXXI
   0.300 +XXXXXXXXXXXXI
   0.500 +XXXXXXXXXXXXXI
   0.700 +XXXXXI
   1.000 +XXXXXXXXXI
   1.500 +XXXXXXXXXXXXXXXXXI
   2.000 +XXXXXXXXXXXXXXXXXXI
   3.000 +XXXXXXXXXXXXXXXXXXXXXXXXXI
   5.000 +XXXXXXXXXXXXXXXXXXXXXI
   7.000 +XXXXXXXXXXXXXXXXXXXXXI
  10.000 +XXXXXXXXXXXXXXXXXXXXXXXXXI
          +---------+---------+---------+---------+---------+---------+
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-TI%

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	0.003	2	1.39	2	1.4	98.6	6	4.2	95.8
2	0.005	3	2.08	5	3.5	96.5	9	6.3	93.8
3	0.010	2	1.39	7	4.9	95.1	11	7.6	92.4
4	0.015	6	4.17	13	9.0	91.0	17	11.8	88.2
5	0.020	3	2.08	16	11.1	88.9	20	13.9	86.1
6	0.030	5	3.47	21	14.6	85.4	25	17.4	82.6
7	0.050	6	4.17	27	18.8	81.3	31	21.5	78.5
8	0.070	13	9.03	40	27.8	72.2	44	30.6	69.4
9	0.100	3	2.08	43	29.9	70.1	47	32.6	67.4
10	0.150	11	7.64	54	37.5	62.5	58	40.3	59.7
11	0.200	15	10.42	69	47.9	52.1	73	50.7	49.3
12	0.300	15	10.42	84	58.3	41.7	88	61.1	38.9
13	0.500	19	13.19	103	71.5	28.5	107	74.3	25.7
14	0.700	22	15.28	125	86.8	13.2	129	89.6	10.4
15	1.000	12	8.33	137	95.1	4.9	141	97.9	2.1

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	1	3	3	0	137	144	144	VALUES
0.0	0.0	0.0	0.7	2.1	2.1	0.0	95.1			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
0.003	1.00	0.350	0.31	0.180	4.19	137

```
                                Percent of Values
        0.00                 10.00                 20.00                 30.00
                  5.00                 15.00                 25.00
          +---------+---------+---------+---------+---------+---------+
  0.003 +XXI
  0.005 +XXXI
  0.007 +
  0.010 +XXI
  0.015 +XXXXXXXI
  0.020 +XXXI
  0.030 +XXXXXXI
  0.050 +XXXXXXXI
  0.070 +XXXXXXXXXXXXXXXXI
  0.100 +XXXI
  0.150 +XXXXXXXXXXXXXI
  0.200 +XXXXXXXXXXXXXXXXXXXXI
  0.300 +XXXXXXXXXXXXXXXXXXXXI
  0.500 +XXXXXXXXXXXXXXXXXXXXXXXXXI
  0.700 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  1.000 +XXXXXXXXXXXXXXXXI
          +---------+---------+---------+---------+---------+---------+
        0.00                 10.00                 20.00                 30.00
                  5.00                 15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-AG

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	1.000	3	2.08	3	2.1	97.9	140	97.2	2.8
2	1.500	2	1.39	5	3.5	96.5	142	98.6	1.4
3	5.000	1	0.69	6	4.2	95.8	143	99.3	0.7
4	20.000	1	0.69	7	4.9	95.1	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	130	7	0	0	7	144	144	VALUES
0.0	0.0	0.0	90.3	4.9	0.0	0.0	4.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
1.000	20.00	4.429	7.01	2.168	3.11	7

```
                                Percent of Values
        0.00                  2.00                  4.00                  6.00
                  1.00                  3.00                  5.00
         +---------+---------+---------+---------+---------+---------+
   1.000 +XXXXXXXXXXXXXXXXXXXI
   1.500 +XXXXXXXXXXXXXI
   2.000 +
   3.000 +
   5.000 +XXXXXXI
   7.000 +
  10.000 +
  15.000 +
  20.000 +XXXXXXI
         +---------+---------+---------+---------+---------+---------+
        0.00                  2.00                  4.00                  6.00
                  1.00                  3.00                  5.00
```

Each increment (each X or I plotted) = 0.100 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-AS

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %	
1	500.000	1	0.69	1	0.7	99.3	142	98.6	1.4
2	1000.000	1	0.69	2	1.4	98.6	143	99.3	0.7

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	141	0	1	0	2	144	144	VALUES
0.0	0.0	0.0	97.9	0.0	0.7	0.0	1.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
500.000	1000.00	750.000	353.55	707.107	1.63	2

```
                                Percent of Values
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
           +---------+---------+---------+---------+---------+---------+
  500.000 +XXXXXXI
  700.000 +
 1000.000 +XXXXXXI
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00

          Each increment (each X or I plotted) =      0.100 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-B

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	29	20.14	29	20.1	79.9	81	56.3	43.8
2	15.000	5	3.47	34	23.6	76.4	86	59.7	40.3
3	20.000	9	6.25	43	29.9	70.1	95	66.0	34.0
5	50.000	12	8.33	62	43.1	56.9	114	79.2	20.8
6	70.000	13	9.03	75	52.1	47.9	127	88.2	11.8
7	100.000	4	2.78	79	54.9	45.1	131	91.0	9.0
8	150.000	7	4.86	86	59.7	40.3	138	95.8	4.2
9	200.000	3	2.08	89	61.8	38.2	141	97.9	2.1
10	300.000	2	1.39	91	63.2	36.8	143	99.3	0.7
11	500.000	1	0.69	92	63.9	36.1	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	50	2	0	0	92	144	144	VALUES
0.0	0.0	0.0	34.7	1.4	0.0	0.0	63.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	500.00	58.859	76.78	32.499	2.91	92

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  10.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  15.000  +XXXXXXI
  20.000  +XXXXXXXXXXXI
  30.000  +XXXXXXXXXI
  50.000  +XXXXXXXXXXXXXXXXI
  70.000  +XXXXXXXXXXXXXXXXXI
 100.000  +XXXXXI
 150.000  +XXXXXXXXXI
 200.000  +XXXI
 300.000  +XXI
 500.000  +I
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00

          Each increment (each X or I plotted) =       0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-BA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	15	10.42	15	10.4	89.6	30	20.8	79.2
2	30.000	3	2.08	18	12.5	87.5	33	22.9	77.1
3	50.000	2	1.39	20	13.9	86.1	35	24.3	75.7
4	70.000	9	6.25	29	20.1	79.9	44	30.6	69.4
5	100.000	9	6.25	38	26.4	73.6	53	36.8	63.2
6	150.000	12	8.33	50	34.7	65.3	65	45.1	54.9
7	200.000	14	9.72	64	44.4	55.6	79	54.9	45.1
8	300.000	11	7.64	75	52.1	47.9	90	62.5	37.5
9	500.000	15	10.42	90	62.5	37.5	105	72.9	27.1
10	700.000	23	15.97	113	78.5	21.5	128	88.9	11.1
12	1500.000	4	2.78	125	86.8	13.2	140	97.2	2.8
13	2000.000	3	2.08	128	88.9	11.1	143	99.3	0.7
14	5000.000	1	0.69	129	89.6	10.4	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	3	12	0	0	129	144	144	VALUES
0.0	0.0	0.0	2.1	8.3	0.0	0.0	89.6			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	5000.00	453.643	589.23	226.302	3.72	129

```
                                   Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   20.000 +XXXXXXXXXXXXXXXXXXXI
   30.000 +XXXI
   50.000 +XXI
   70.000 +XXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXXXXXXI
  500.000 +XXXXXXXXXXXXXXXXXXXXI
  700.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
 1000.000 +XXXXXXXXXXI
 1500.000 +XXXXXI
 2000.000 +XXXI
 3000.000 +
 5000.000 +I
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-BE

1	1.000	15	10.42	15	10.4	89.6	124	86.1	13.9
2	1.500	7	4.86	22	15.3	84.7	131	91.0	9.0
3	2.000	10	6.94	32	22.2	77.8	141	97.9	2.1
4	3.000	2	1.39	34	23.6	76.4	143	99.3	0.7
5	5.000	1	0.69	35	24.3	75.7	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	66	43	0	0	35	144	144	VALUES
0.0	0.0	0.0	45.8	29.9	0.0	0.0	24.3			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
1.000	5.00	1.614	0.81	1.474	1.51	35

```
                                Percent of Values
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00
         +---------+---------+---------+---------+---------+---------+
   1.000 +XXXXXXXXXXXXXXXXXXXI
   1.500 +XXXXXXXXXI
   2.000 +XXXXXXXXXXXXXI
   3.000 +XXI
   5.000 +I
         +---------+---------+---------+---------+---------+---------+
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00

        Each increment (each X or I plotted) =      0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-BI

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	15.000	1	0.69	1	0.7	99.3	143	99.3	0.7
2	30.000	1	0.69	2	1.4	98.6	144	100.0	0.0

0	0	0	140	2	0	0	2	144	144	VALUES
0.0	0.0	0.0	97.2	1.4	0.0	0.0	1.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
15.000	30.00	22.500	10.61	21.213	1.63	2

```
                                Percent of Values
        0.00                  2.00                  4.00                  6.00
                  1.00                  3.00                  5.00
         +---------+---------+---------+---------+---------+---------+
15.000   +XXXXXXI
20.000   +
30.000   +XXXXXXI
         +---------+---------+---------+---------+---------+---------+
        0.00                  2.00                  4.00                  6.00
                  1.00                  3.00                  5.00

        Each increment (each X or I plotted) =      0.100 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-CO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	19	13.19	19	13.2	86.8	48	33.3	66.7
2	7.000	15	10.42	34	23.6	76.4	63	43.8	56.3
3	10.000	10	6.94	44	30.6	69.4	73	50.7	49.3
4	15.000	16	11.11	60	41.7	58.3	89	61.8	38.2
5	20.000	11	7.64	71	49.3	50.7	100	69.4	30.6
6	30.000	8	5.56	79	54.9	45.1	108	75.0	25.0
7	50.000	10	6.94	89	61.8	38.2	118	81.9	18.1
8	70.000	9	6.25	98	68.1	31.9	127	88.2	11.8
9	100.000	5	3.47	103	71.5	28.5	132	91.7	8.3
10	150.000	7	4.86	110	76.4	23.6	139	96.5	3.5
12	500.000	1	0.69	115	79.9	20.1	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	14	15	0	0	115	144	144	VALUES
0.0	0.0	0.0	9.7	10.4	0.0	0.0	79.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	500.00	43.304	65.45	20.824	3.22	115

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   5.000  +XXXXXXXXXXXXXXXXXXXXXXXXI
   7.000  +XXXXXXXXXXXXXXXXXXXXI
  10.000  +XXXXXXXXXXXXXI
  15.000  +XXXXXXXXXXXXXXXXXXXXXI
  20.000  +XXXXXXXXXXXXXXI
  30.000  +XXXXXXXXXXI
  50.000  +XXXXXXXXXXXXXI
  70.000  +XXXXXXXXXXXXI
 100.000  +XXXXXXI
 150.000  +XXXXXXXXXI
 200.000  +XXXXXI
 300.000  +
 500.000  +I
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-CR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	8	5.56	8	5.6	94.4	12	8.3	91.7
2	15.000	13	9.03	21	14.6	85.4	25	17.4	82.6
3	20.000	8	5.56	29	20.1	79.9	33	22.9	77.1
4	30.000	3	2.08	32	22.2	77.8	36	25.0	75.0
5	50.000	15	10.42	47	32.6	67.4	51	35.4	64.6
6	70.000	27	18.75	74	51.4	48.6	78	54.2	45.8
7	100.000	17	11.81	91	63.2	36.8	95	66.0	34.0
8	150.000	12	8.33	103	71.5	28.5	107	74.3	25.7
9	200.000	2	1.39	105	72.9	27.1	109	75.7	24.3
10	500.000	4	2.78	109	75.7	24.3	113	78.5	21.5
11	700.000	2	1.39	111	77.1	22.9	115	79.9	20.1
12	1000.000	4	2.78	115	79.9	20.1	119	82.6	17.4
13	2000.000	2	1.39	117	81.3	18.7	121	84.0	16.0
14	3000.000	6	4.17	123	85.4	14.6	127	88.2	11.8
15	5000.000	11	7.64	134	93.1	6.9	138	95.8	4.2

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	1	3	6	0	134	144	144	VALUES
0.0	0.0	0.0	0.7	2.1	4.2	0.0	93.1			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	5000.00	682.575	1454.18	112.367	5.92	134

```
          0.00                  10.00                  20.00                  30.00
                    5.00                  15.00                  25.00
           +---------+---------+---------+---------+---------+---------+
   10.000 +XXXXXXXXXXI
   15.000 +XXXXXXXXXXXXXXXXXI
   20.000 +XXXXXXXXXXI
   30.000 +XXXI
   50.000 +XXXXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXXI
  200.000 +XXI
  300.000 +
  500.000 +XXXXXI
  700.000 +XXI
 1000.000 +XXXXXI
 1500.000 +
 2000.000 +XXI
 3000.000 +XXXXXXXI
 5000.000 +XXXXXXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                  20.00                  30.00
                    5.00                  15.00                  25.00
```

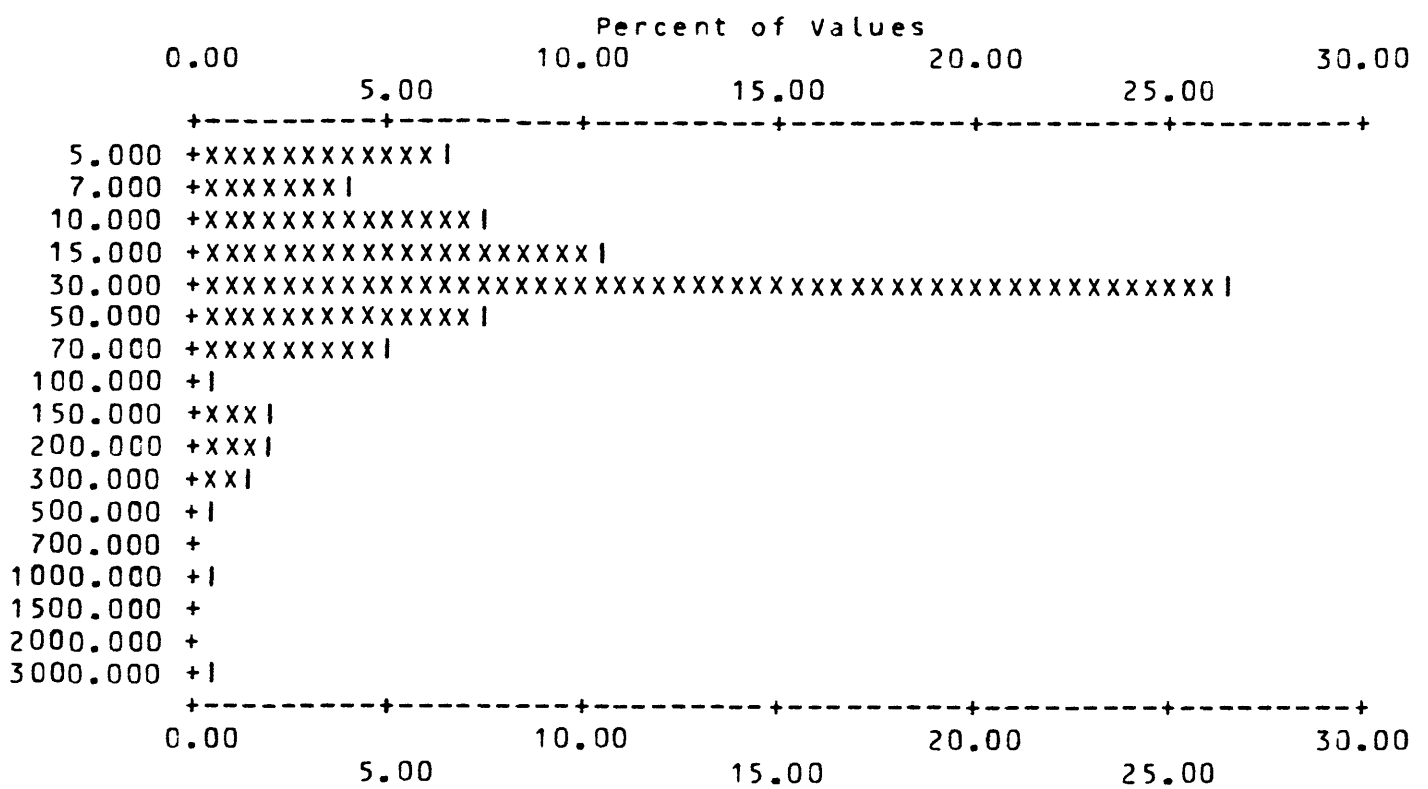
Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	9	6.25	9	6.3	93.8	33	22.9	77.1
2	7.000	6	4.17	15	10.4	89.6	39	27.1	72.9
3	10.000	11	7.64	26	18.1	81.9	50	34.7	65.3
4	15.000	15	10.42	41	28.5	71.5	65	45.1	54.9
5	20.000	11	7.64	52	36.1	63.9	76	52.8	47.2
6	30.000	38	26.39	90	62.5	37.5	114	79.2	20.8
7	50.000	11	7.64	101	70.1	29.9	125	86.8	13.2
8	70.000	7	4.86	108	75.0	25.0	132	91.7	8.3
9	100.000	1	0.69	109	75.7	24.3	133	92.4	7.6
10	150.000	3	2.08	112	77.8	22.2	136	94.4	5.6
11	200.000	3	2.08	115	79.9	20.1	139	96.5	3.5
12	300.000	2	1.39	117	81.3	18.8	141	97.9	2.1
13	500.000	1	0.69	118	81.9	18.1	142	98.6	1.4
14	1000.000	1	0.69	119	82.6	17.4	143	99.3	0.7
15	3000.000	1	0.69	120	83.3	16.7	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	1	23	0	0	120	144	144	VALUES
0.0	0.0	0.0	0.7	16.0	0.0	0.0	83.3			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	3000.00	75.600	290.57	26.921	2.99	120



Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-LA

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	20.000	36	25.00	36	25.0	75.0	106	73.6	26.4
2	30.000	22	15.28	58	40.3	59.7	128	88.9	11.1
3	50.000	8	5.56	66	45.8	54.2	136	94.4	5.6
4	70.000	6	4.17	72	50.0	50.0	142	98.6	1.4
5	100.000	2	1.39	74	51.4	48.6	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	50	20	0	0	74	144	144	VALUES
0.0	0.0	0.0	34.7	13.9	0.0	0.0	51.4			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
20.000	100.00	32.432	18.79	28.801	1.58	74

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   20.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   50.000 +XXXXXXXXXXI
   70.000 +XXXXXXXI
  100.000 +XXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-MN

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	4	2.78	4	2.8	97.2	5	3.5	96.5
2	15.000	1	0.69	5	3.5	96.5	6	4.2	95.8
3	20.000	2	1.39	7	4.9	95.1	8	5.6	94.4
4	30.000	1	0.69	8	5.6	94.4	9	6.3	93.8
5	50.000	1	0.69	9	6.3	93.8	10	6.9	93.1
6	70.000	3	2.08	12	8.3	91.7	13	9.0	91.0
7	100.000	6	4.17	18	12.5	87.5	19	13.2	86.8
8	150.000	10	6.94	28	19.4	80.6	29	20.1	79.9
9	200.000	3	2.08	31	21.5	78.5	32	22.2	77.8
10	300.000	5	3.47	36	25.0	75.0	37	25.7	74.3
11	500.000	14	9.72	50	34.7	65.3	51	35.4	64.6
12	700.000	13	9.03	63	43.8	56.3	64	44.4	55.6
13	1000.000	39	27.08	102	70.8	29.2	103	71.5	28.5
14	1500.000	22	15.28	124	86.1	13.9	125	86.8	13.2
15	2000.000	11	7.64	135	93.8	6.3	136	94.4	5.6
16	3000.000	5	3.47	140	97.2	2.8	141	97.9	2.1
17	5000.000	1	0.69	141	97.9	2.1	142	98.6	1.4

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	1	2	0	141	144	144	VALUES
0.0	0.0	0.0	0.0	0.7	1.4	0.0	97.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	5000.00	955.213	777.32	570.024	3.70	141

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID: S-MN

```
                                Percent of Values
          0.00                10.00                20.00                30.00
                    5.00                15.00                25.00
           +---------+---------+---------+---------+---------+---------+
   10.000 +XXXXXI
   15.000 +I
   20.000 +XXI
   30.000 +I
   50.000 +I
   70.000 +XXXI
  100.000 +XXXXXXXI
  150.000 +XXXXXXXXXXXXXI
  200.000 +XXXI
  300.000 +XXXXXXI
  500.000 +XXXXXXXXXXXXXXXXXXI
  700.000 +XXXXXXXXXXXXXXXXXXI
 1500.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
 2000.000 +XXXXXXXXXXXXXXI
 3000.000 +XXXXXXI
 5000.000 +I
           +---------+---------+---------+---------+---------+---------+
          0.00                10.00                20.00                30.00
                    5.00                15.00                25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-MO

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	1	0.69	1	0.7	99.3	141	97.9	2.1
2	7.000	1	0.69	2	1.4	98.6	142	98.6	1.4
3	10.000	1	0.69	3	2.1	97.9	143	99.3	0.7
4	20.000	1	0.69	4	2.8	97.2	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	139	1	0	0	4	144	144	VALUES
0.0	0.0	0.0	96.5	0.7	0.0	0.0	2.8			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	20.00	10.500	6.66	9.147	1.81	4

```
                                Percent of Values
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
           +---------+---------+---------+---------+---------+---------+
    5.000  +XXXXXXI
    7.000  +XXXXXXI
   10.000  +XXXXXXI
   15.000  +
   20.000  +XXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  2.00                  4.00                  6.00
                    1.00                  3.00                  5.00
```

Each increment (each X or I plotted) = 0.100 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-NB

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %
1	30.000	1	0.69	1	0.7	99.3	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	130	13	0	0	1	144	144	VALUES
0.0	0.0	0.0	90.3	9.0	0.0	0.0	0.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
30.000	30.00	30.000	0.00	30.000	********	1

```
                                Percent of Values
        0.00                  2.00                  4.00                  6.00
                  1.00                  3.00                  5.00
         +---------+---------+---------+---------+---------+---------+
30.000   +XXXXXXI
         +---------+---------+---------+---------+---------+---------+
        0.00                  2.00                  4.00                  6.00
                  1.00                  3.00                  5.00

        Each increment (each X or I plotted) =      0.100 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-NI

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	20	13.89	20	13.9	86.1	27	18.8	81.3
2	7.000	9	6.25	29	20.1	79.9	36	25.0	75.0
3	10.000	7	4.86	36	25.0	75.0	43	29.9	70.1
4	15.000	13	9.03	49	34.0	66.0	56	38.9	61.1
5	20.000	14	9.72	63	43.8	56.3	70	48.6	51.4
6	30.000	17	11.81	80	55.6	44.4	87	60.4	39.6
7	50.000	13	9.03	93	64.6	35.4	100	69.4	30.6
8	70.000	6	4.17	99	68.8	31.2	106	73.6	26.4
9	100.000	4	2.78	103	71.5	28.5	110	76.4	23.6
10	150.000	5	3.47	108	75.0	25.0	115	79.9	20.1
11	200.000	4	2.78	112	77.8	22.2	119	82.6	17.4
12	700.000	1	0.69	113	78.5	21.5	120	83.3	16.7
13	1000.000	3	2.08	116	80.6	19.4	123	85.4	14.6
14	1500.000	3	2.08	119	82.6	17.4	126	87.5	12.5
15	2000.000	5	3.47	124	86.1	13.9	131	91.0	9.0
16	3000.000	13	9.03	137	95.1	4.9	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	2	5	0	0	137	144	144	VALUES
0.0	0.0	0.0	1.4	3.5	0.0	0.0	95.1			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	3000.00	448.453	939.68	48.972	7.67	137

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID: S-NI

```
                                Percent of Values
          0.00                10.00                20.00                30.00
                    5.00                15.00                25.00
           +---------+---------+---------+---------+---------+---------+
    5.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXI
    7.000 +XXXXXXXXXXXXI
   10.000 +XXXXXXXXXI
   15.000 +XXXXXXXXXXXXXXXXXI
   20.000 +XXXXXXXXXXXXXXXXXXXI
   30.000 +XXXXXXXXXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXI
  100.000 +XXXXXI
  150.000 +XXXXXXI
  200.000 +XXXXXI
  300.000 +
  500.000 +
  700.000 +I
 1000.000 +XXXI
 1500.000 +XXXI
 2000.000 +XXXXXXI
 3000.000 +XXXXXXXXXXXXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                10.00                20.00                30.00
                    5.00                15.00                25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-PB

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	14	9.72	14	9.7	90.3	68	47.2	52.8
2	15.000	18	12.50	32	22.2	77.8	86	59.7	40.3
3	20.000	36	25.00	68	47.2	52.8	122	84.7	15.3
4	30.000	15	10.42	83	57.6	42.4	137	95.1	4.9
5	50.000	2	1.39	85	59.0	41.0	139	96.5	3.5
6	70.000	2	1.39	87	60.4	39.6	141	97.9	2.1
7	100.000	1	0.69	88	61.1	38.9	142	98.6	1.4
8	300.000	1	0.69	89	61.8	38.2	143	99.3	0.7
9	1500.000	1	0.69	90	62.5	37.5	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	22	32	0	0	90	144	144	VALUES
0.0	0.0	0.0	15.3	22.2	0.0	0.0	62.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	1500.00	41.333	158.80	20.949	2.02	90

```
                                   Percent of Values
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   10.000 +XXXXXXXXXXXXXXXXXI
   15.000 +XXXXXXXXXXXXXXXXXXXXXXXI
   20.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
   30.000 +XXXXXXXXXXXXXXXXXXXI
   50.000 +XXI
   70.000 +XXI
  100.000 +I
  150.000 +
  200.000 +
  300.000 +I
  500.000 +
 1000.000 +
 1500.000 +I
           +---------+---------+---------+---------+---------+---------+
          0.00                 10.00                 20.00                 30.00
                    5.00                 15.00                 25.00

          Each increment (each X or I plotted) =      0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-SC

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	5.000	17	11.81	17	11.8	88.2	43	29.9	70.1
2	7.000	14	9.72	31	21.5	78.5	57	39.6	60.4
3	10.000	25	17.36	56	38.9	61.1	82	56.9	43.1
5	20.000	19	13.19	96	66.7	33.3	122	84.7	15.3
6	30.000	15	10.42	111	77.1	22.9	137	95.1	4.9
7	50.000	5	3.47	116	80.6	19.4	142	98.6	1.4
8	70.000	2	1.39	118	81.9	18.1	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	13	13	0	0	118	144	144	VALUES
0.0	0.0	0.0	9.0	9.0	0.0	0.0	81.9			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
5.000	70.00	16.678	12.71	13.263	1.94	118

```
                                Percent of Values
        0.00                  10.00                 20.00                 30.00
                   5.00                  15.00                 25.00
          +---------+---------+---------+---------+---------+---------+
   5.000  +XXXXXXXXXXXXXXXXXXXXXXXI
   7.000  +XXXXXXXXXXXXXXXXXXI
  10.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  15.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  20.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXI
  30.000  +XXXXXXXXXXXXXXXXXXXXXI
  50.000  +XXXXXXI
  70.000  +XXI
          +---------+---------+---------+---------+---------+---------+
                   5.00                  15.00                 25.00

        Each increment (each X or I plotted) =       0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-SR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	100.000	5	3.47	5	3.5	96.5	84	58.3	41.7
2	150.000	6	4.17	11	7.6	92.4	90	62.5	37.5
3	200.000	5	3.47	16	11.1	88.9	95	66.0	34.0
4	300.000	12	8.33	28	19.4	80.6	107	74.3	25.7
5	500.000	10	6.94	38	26.4	73.6	117	81.3	18.8
6	700.000	19	13.19	57	39.6	60.4	136	94.4	5.6
7	1000.000	2	1.39	59	41.0	59.0	138	95.8	4.2
8	2000.000	6	4.17	65	45.1	54.9	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	73	6	0	0	65	144	144	VALUES
0.0	0.0	0.0	50.7	4.2	0.0	0.0	45.1			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
100.000	2000.00	589.231	510.93	429.459	2.25	65

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  100.000 +XXXXXXI
  150.000 +XXXXXXXI
  200.000 +XXXXXXI
  300.000 +XXXXXXXXXXXXXXXI
  500.000 +XXXXXXXXXXXXXI
  700.000 +XXXXXXXXXXXXXXXXXXXXXXXXI
 1000.000 +XXI
 1500.000 +
 2000.000 +XXXXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-V

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	3	2.08	3	2.1	97.9	7	4.9	95.1
2	15.000	1	0.69	4	2.8	97.2	8	5.6	94.4
3	20.000	13	9.03	17	11.8	88.2	21	14.6	85.4
4	30.000	14	9.72	31	21.5	78.5	35	24.3	75.7
5	50.000	15	10.42	46	31.9	68.1	50	34.7	65.3
6	70.000	17	11.81	63	43.8	56.3	67	46.5	53.5
7	100.000	9	6.25	72	50.0	50.0	76	52.8	47.2
8	150.000	33	22.92	105	72.9	27.1	109	75.7	24.3
9	200.000	17	11.81	122	84.7	15.3	126	87.5	12.5
10	300.000	12	8.33	134	93.1	6.9	138	95.8	4.2
11	500.000	3	2.08	137	95.1	4.9	141	97.9	2.1
12	700.000	3	2.08	140	97.2	2.8	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	0	4	0	0	140	144	144	VALUES
0.0	0.0	0.0	0.0	2.8	0.0	0.0	97.2			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	700.00	136.536	129.80	90.464	2.62	140

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
   10.000 +XXXI
   15.000 +I
   20.000 +XXXXXXXXXXXXXXXXI
   30.000 +XXXXXXXXXXXXXXXXXI
   50.000 +XXXXXXXXXXXXXXXXXXXI
   70.000 +XXXXXXXXXXXXXXXXXXXXXXXI
  100.000 +XXXXXXXXXXXXI
  150.000 +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
  200.000 +XXXXXXXXXXXXXXXXXXXXXXXI
  300.000 +XXXXXXXXXXXXXXXXI
  500.000 +XXXI
  700.000 +XXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                  15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-Y

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	15	10.42	15	10.4	89.6	53	36.8	63.2
2	15.000	14	9.72	29	20.1	79.9	67	46.5	53.5
3	20.000	34	23.61	63	43.8	56.3	101	70.1	29.9
4	30.000	32	22.22	95	66.0	34.0	133	92.4	7.6
5	50.000	11	7.64	106	73.6	26.4	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	26	12	0	0	106	144	144	VALUES
0.0	0.0	0.0	18.1	8.3	0.0	0.0	73.6			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	50.00	24.057	11.21	21.696	1.58	106

```
                                Percent of Values
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00
        +---------+---------+---------+---------+---------+---------+
10.000  +XXXXXXXXXXXXXXXXXXXI
15.000  +XXXXXXXXXXXXXXXXXI
20.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
30.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
50.000  +XXXXXXXXXXXXXXI
        +---------+---------+---------+---------+---------+---------+
        0.00                10.00                20.00                30.00
                  5.00                15.00                25.00

        Each increment (each X or I plotted) =      0.500 %
```

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-ZN

	VALUE	NO.	%	CUM.	CUM. %	TOT CUM	TOT CUM %
1	500.000	1	0.69	1	0.7	99.3	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	142	1	0	0	1	144	144	VALUES
0.0	0.0	0.0	98.6	0.7	0.0	0.0	0.7			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
500.000	500.00	500.000	0.00	500.000	********	1

```
                                Percent of Values
        0.00                  10.00                  20.00                  30.00
                  5.00                  15.00                  25.00
         +---------+---------+---------+---------+---------+---------+
500.000 +I
         +---------+---------+---------+---------+---------+---------+
        0.00                  10.00                  20.00                  30.00
                  5.00                  15.00                  25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 9. --Statistical summaries of the analytical data from the East Yuba and West Yuba rock samples

COLUMN ID.: S-ZR

	VALUE	NO.	%	CUM.	CUM. %		TOT CUM	TOT CUM %	
1	10.000	8	5.56	8	5.6	94.4	26	18.1	81.9
2	15.000	1	0.69	9	6.3	93.8	27	18.8	81.3
3	20.000	12	8.33	21	14.6	85.4	39	27.1	72.9
4	30.000	8	5.56	29	20.1	79.9	47	32.6	67.4
5	50.000	12	8.33	41	28.5	71.5	59	41.0	59.0
6	70.000	11	7.64	52	36.1	63.9	70	48.6	51.4
7	100.000	18	12.50	70	48.6	51.4	88	61.1	38.9
8	150.000	28	19.44	98	68.1	31.9	116	80.6	19.4
9	200.000	20	13.89	118	81.9	18.1	136	94.4	5.6
10	300.000	4	2.78	122	84.7	15.3	140	97.2	2.8
11	500.000	4	2.78	126	87.5	12.5	144	100.0	0.0

B	T	H	N	L	G	OTHER	UNQUAL	ANAL	READ	
0	0	0	13	5	0	0	126	144	144	VALUES
0.0	0.0	0.0	9.0	3.5	0.0	0.0	87.5			PERCENT

MIN	MAX	AMEAN	SD	GMEAN	GD	VALUES
10.000	500.00	120.198	99.86	81.707	2.67	126

```
                                Percent of Values
          0.00                  10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
           +---------+---------+---------+---------+---------+---------+
  10.000  +XXXXXXXXXXI
  15.000  +I
  20.000  +XXXXXXXXXXXXXXXXI
  30.000  +XXXXXXXXXXI
  50.000  +XXXXXXXXXXXXXXXXI
  70.000  +XXXXXXXXXXXXXXI
 100.000  +XXXXXXXXXXXXXXXXXXXXXXXXI
 150.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXI
 200.000  +XXXXXXXXXXXXXXXXXXXXXXXXXXXI
 300.000  +XXXXXI
 500.000  +XXXXXI
           +---------+---------+---------+---------+---------+---------+
          0.00                  10.00                 20.00                 30.00
                    5.00                 15.00                 25.00
```

Each increment (each X or I plotted) = 0.500 %

Table 10.--Geochemical data from the fire-assay analysis of rocks from the East Yuba and West Yuba Roadless Areas

Sample number	Au	Pt	Pd	Rh	Ru	Ir
	(ppm)					
S243D	N(0.002)	0.020	0.005	N(0.004)	N(0.400)	N(0.200)
S243B	N(.002)	.010	.002	N(.004)	N(.400)	N(.200)
S242B	N(.002)	.010	N(.002)	N(.004)	N(.400)	N(.200)
S213B	N(.002)	.010	N(.002)	N(.004)	N(.400)	N(.200)
S207	N(.001)	N(.005)	.003	N(.002)	N(.200)	N(.100)
S188F	N(.001)	N(.005)	.007	N(.002)	N(.200)	N(.100)
MF169B	N(.002)	.015	.010	N(.004)	N(.400)	N(.200)
MF161	N(.002)	.020	.010	N(.004)	N(.400)	N(.200)
MF122B	N(.002)	.015	.010	N(.004)	N(.400)	N(.200)
D100C	N(.002)	.050	.150	.005	N(.400)	N(.200)