UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Analytical results and sample locality map of heavy-mineral-concentrate samples from the Delta 1° x 2° quadrangle, Tooele, Juab, Millard, and Utah Counties, Utah

By

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Open-File Report 90-264

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1990

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STUDIES RELATED TO CUSMAP

This report presents part of the results of a geochemical survey of the Delta 1° x 2° quadrangle, Utah. Geochemical samples were collected as one of several multidisciplinary studies associated with the Conterminous United States Mineral Assessment Program (CUSMAP). Other publications in the geochemical portion of this survey include the results of analyses of stream-sediment samples which were collected at many of the same locations as the heavy-mineral concentrate samples (Arbogast and others, 1990). In addition, mineral resource assessment studies of several Bureau of Land Management Wilderness Study Areas have recently been completed in the Delta quadrangle, and include geochemical data that supplement the results presented here. Specific areas in these reports include: the Fish Springs Range (Lindsey and others, 1989a; Arbogast and others, 1988a), Swasey Mountain and Howell Peak (Lindsey and others, 1989b; Arbogast and others, 1988b) Wilderness Study Areas.

INTRODUCTION

In 1986, the U.S. Geological Survey began a reconnaissance geochemical survey of the Delta 1° x 2° quadrangle, west-central Utah (fig. 1).

The Delta quadrangle comprises about 66,930 mi^2 (4,435,000 acres) in Tooele, Juab, Millard, and Utah Counties, Utah. The quadrangle is in the eastern Basin and Range physiographic province. Mountain ranges make up less than 40 percent of the quadrangle and attain a maxium elevation of 12,087 feet. Basins comprise over 60 percent of the quadrangle and generally vary in elevation between 4,200 and 5,200 feet.

The Delta quadrangle has recently been mapped by Morris (1987), rocks in the quadrangle described following a succinct generalized description of the geology of Utah recently published by Hintze (1988). Rocks range in age from Late Precambrian to Recent and were subjected to compressive stresses during the late Mesozoic and extensional stresses during the late Cenozoic.

METHODS OF STUDY

Sample Media

The heavy-mineral-concentrate data set for this study consists of reanalyzed minus-40, plus-100 mesh stream-sediment samples collected during the National Uranium Resource Evaluation Program (NURE). Data from the NURE studies are given in Jones (1979), Fay (1980), and Cook and Fay (1981).

Analyses of heavy-mineral-concentrate samples provide information about the chemistry of certain minerals in rock material eroded from the drainage basin upstream from each sample site. The selective concentration of minerals, many of which may be ore related, permits determination of some elements that are not easily detected in stream-sediment samples.

Sample Collection

A total of 474 stream-sediment samples collected during the NURE program from the Delta 1° x 2° quadrangle, contained sufficient minus-40, plus-100 mesh material to be processed as a heavy-mineral concentrate and reanalyzed by the USGS. NURE samples were a composite of three, roughly equal portions, collected from approximately 30 m of the designated site (Sharp and Aamodt, 1978).

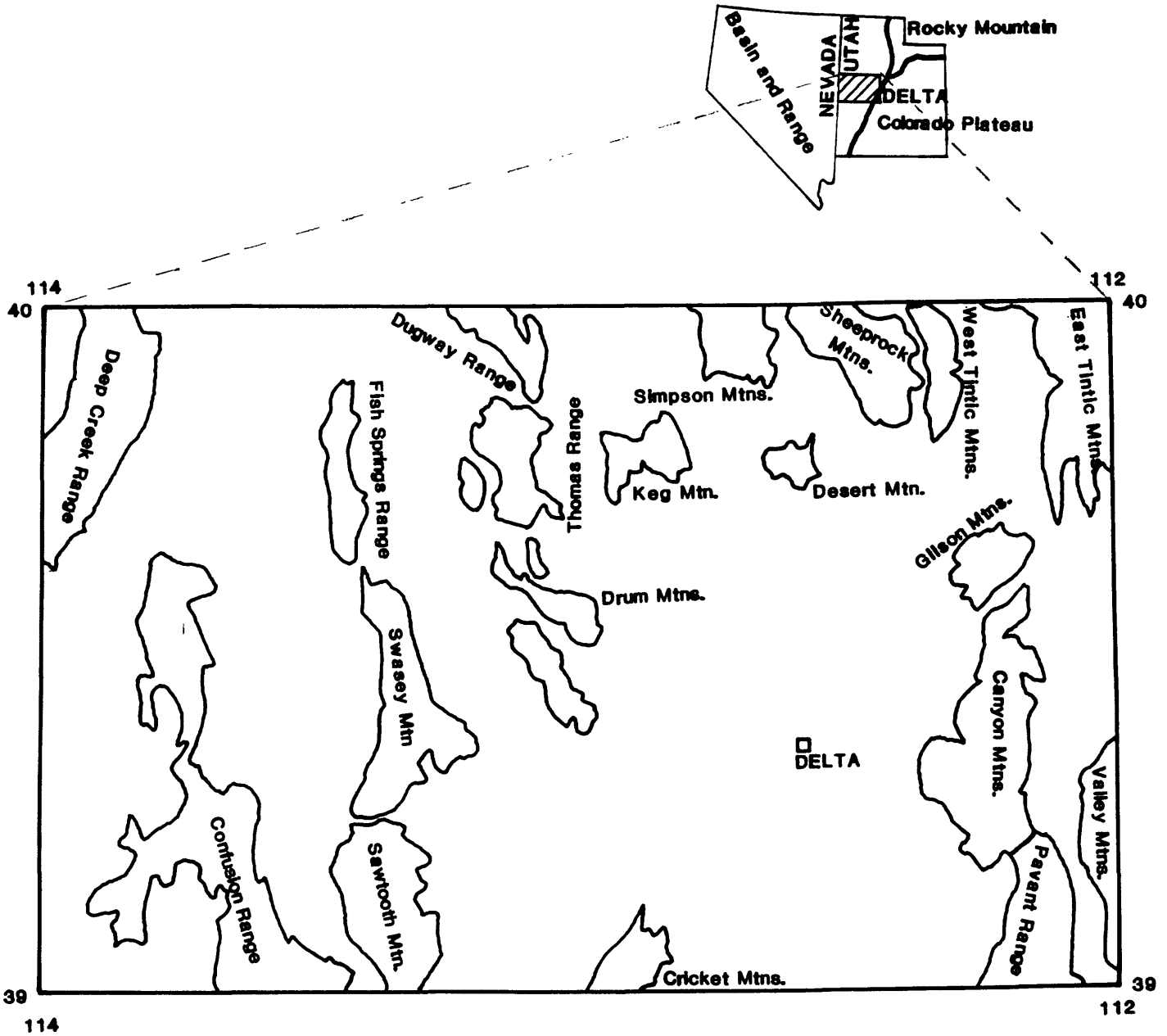

Figure 1. Location of the Delta 1° x 2° quadrangle, Utah (shaded), major mountain ranges in the quadrangle, and the intersection of the Basin and Range, Rocky Mountain, and Colorado Plateau physiographic provinces, Utah.

Sample Preparation

According to NURE program specifications, stream-sediment samples were to be prepared following a procedure outlined by Sharp and Aamodt, (1978). After air drying, bromoform (specific gravity 2.8) was used to remove the remaining quartz and feldspar from the heavy-mineral-concentrate samples that had been panned in the laboratory. The resultant heavy-mineral sample was separated into three fractions using a large electromagnet (in this case a modified Frantz Isodynamic Separator). The most magnetic materials, primarily magnetite, were not analyzed. The second fraction, largely ferromagnesian silicates and iron oxides, was saved for later analysis. The third fraction (the least magnetic material, which may include the nonmagnetic ore minerals, zircon, sphene, etc.) was split using a Jones splitter. One split was hand ground for spectrographic analysis; the other split was saved for mineralogical analysis. These magnetic separates are the same separates that would be produced by using a Frantz Isodynamic Separator set at a slope of 15° and a tilt of 10° with a current of 0.2 ampere to remove the magnetite and ilmenite, and a current of 0.6 ampere to split the remainder of the sample into paramagnetic and nonmagnetic fractions.

Sample Analysis

Spectrographic method

The heavy-mineral-concentrate samples were analyzed for 31 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). The elements analyzed and their lower limits of determination are listed in table 1. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentrations as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (iron, magnesium, calcium, and titanium) are given in weight percent; all others are given in parts per million (ppm; [equivalent to micrograms/gram]).

Analytical data from the spectrographic analyses are listed in table 2.

ROCK ANALYSIS STORAGE SYSTEM

Upon completion of all analytical work, the analytical results were entered into a computer-based file called Rock Analysis Storage System (RASS). This data base contains both descriptive geological information and analytical data. Any or all of this information may be retrieved and converted to a binary form (STATPAC) for computerized statistical analysis or publication (VanTrump and Miesch, 1977).

DESCRIPTION OF DATA TABLES

Table 2 lists the results of analyses for the heavy-mineral-concentrate samples. The tables are arranged so that column 1 contains the USGS-assigned

sample numbers. These numbers correspond to the numbers shown on the site location map (plate 1). The sample numbers contain four letters. The first two letters, "DL," designate that the sample was collected from the Delta quadrangle; the last two letters designate one of the 32 15- by 15-minute quadrangles where the samples were collected. Corresponding quadrangle letters are marked on plate 1 to facilitate locating the samples.

Columns in table 2 in which the element headings show the letter "S" below the element symbol are emission spectrographic analyses. A letter "N" in the tables indicates that a given element was looked for but not detected at the lower limit of determination shown for that element in table 1. If an element was observed but was below the lowest reporting value, a less than symbol ("<") was entered in the tables in front of the lower limit of determination. If an element was observed but was above the highest reporting value, a greater than symbol (">") was entered in the tables in front of the upper limit of determination. If an element was not looked for in a sample, two dashes ("--") are entered in the tables in place of an analytical value. Because of the formatting used in the computer program that produced table 2, some of the elements listed in this table (iron, magnesium, calcium, titanium, silver, and beryllium) carry one or more nonsignificant digits to the right of the significant digits. The analyst did not determine these elements to the accuracy suggested by the extra zeros.

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TABLE 1.--Limits of determination for the spectrographic analysis of heavy-mineral-concentrate samples, based on a 5-mg sample

Elements	Lower determination limit	Upper determination limit
	Percent	
Iron (Fe)	0.1	50
Magnesium (Mg)	.05	20
Calcium (Ca)	.1	50
Titanium (Ti)	.005	2
	Parts per million	
Manganese (Mn)	20	10,000
Silver (Ag)	1	10,000
Arsenic (As)	500	20,000
Gold (Au)	20	1,000
Boron (B)	20	5,000
Barium (Ba)	50	10,000
Beryllium (Be)	2	2,000
Bismuth (Bi)	20	2,000
Cadmium (Cd)	50	1,000
Cobalt (Co)	10	5,000
Chromium (Cr)	20	10,000
Copper (Cu)	10	50,000
Lanthanum (La)	50	2,000
Molybdenum (Mo)	10	5,000
Niobium (Nb)	50	5,000
Nickel (Ni)	10	10,000
Lead (Pb)	20	50,000
Antimony (Sb)	200	20,000
Tin (Sn)	20	2,000
Strontium (Sr)	200	10,000
Vanadium (V)	20	20,000
Tungsten (W)	100	20,000
Yttrium (Y)	20	5,000
Zinc (Zn)	500	20,000
Zirconium (Zr)	20	2,000
Thorium (Th)	200	5,000

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES

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

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLAB003	39 46 28	113 33 3	2.0	7.00	20.0	.70	500	N	N	N
DLAB004	39 47 1	113 32 13	3.0	15.00	20.0	1.00	500	N	N	N
DLAB005	39 48 22	113 32 24	2.0	7.00	20.0	.30	500	N	N	N
DLAB007	39 50 34	113 32 9	3.0	10.00	20.0	1.50	1,000	N	N	N
DLAB008	39 50 39	113 33 25	10.0	5.00	10.0	>2.00	1,000	N	N	N
DLAC017	39 52 9	113 17 24	1.0	10.00	20.0	1.50	500	N	N	N
DLAC018	39 52 35	113 16 19	.7	5.00	15.0	.30	300	N	N	N
DLAC020	39 52 23	113 17 38	3.0	7.00	30.0	1.00	1,000	N	N	N
DLAC021	39 49 16	113 18 10	5.0	3.00	10.0	1.00	1,000	N	N	N
DLAC022	39 48 33	113 17 16	.5	2.00	10.0	1.00	200	N	N	N
DLAC025	39 47 27	113 15 34	2.0	2.00	7.0	2.00	1,000	N	N	N
DLAC774	39 51 7	113 18 18	1.0	5.00	20.0	.50	500	N	N	N
DLAD001	39 45 26	113 10 44	.5	7.00	20.0	1.00	500	N	N	N
DLAD002	39 45 24	113 9 32	1.5	1.00	7.0	>2.00	2,000	N	N	N
DLAD003	39 46 59	113 13 22	1.5	1.00	5.0	>2.00	1,000	N	N	N
DLAD004	39 46 23	113 13 26	5.0	3.00	15.0	2.00	1,500	N	N	N
DLAD005	39 47 18	113 11 27	1.0	.70	7.0	.20	300	N	N	N
DLAD006	39 49 26	113 11 42	3.0	.70	1.0	1.00	1,000	N	N	N
DLAD007	39 50 6	113 13 12	3.0	2.00	10.0	>2.00	500	N	N	N
DLAD008	39 52 1	113 13 51	2.0	10.00	15.0	1.50	300	N	N	N
DLAD012	39 50 5	113 6 43	2.0	.50	1.0	.20	1,000	N	N	N
DLAD013	39 51 11	113 6 10	2.0	5.00	10.0	1.00	2,000	N	N	N
DLAD014	39 53 53	113 6 25	2.0	2.00	7.0	1.00	1,500	N	N	N
DLAD015	39 54 47	113 7 15	2.0	2.00	7.0	1.50	1,000	N	1,000	N
DLAD016	39 55 37	113 8 9	3.0	10.00	15.0	1.00	2,000	N	1,000	N
DLAD018	39 56 29	113 10 48	.5	10.00	20.0	.07	700	N	N	N
DLAD019	39 57 37	113 13 12	2.0	7.00	15.0	1.00	2,000	N	N	N
DLAD021	39 52 35	113 14 38	2.0	7.00	15.0	2.00	700	N	N	N
DLAD023	39 59 5	113 14 20	1.0	1.50	20.0	>2.00	300	N	N	N
DLAD024	39 59 42	113 11 6	1.5	10.00	20.0	.50	1,000	5	N	N
DLAD025	39 59 57	113 7 37	1.0	10.00	20.0	.30	700	N	N	N
DLAD026	39 59 21	113 6 14	1.0	10.00	20.0	.30	700	N	N	N
DLAD028	39 54 48	113 3 21	1.5	10.00	20.0	2.00	700	N	N	N
DLAD030	39 55 3	113 2 45	1.5	10.00	20.0	.20	700	N	N	N
DLAD031	39 53 53	113 2 38	1.0	10.00	20.0	.50	700	N	N	N
DLAD033	39 51 30	113 3 36	2.0	15.00	20.0	.50	700	N	N	N
DLAD038	39 45 26	113 3 39	1.5	.50	1.0	.70	700	N	N	N
DLAD039	39 46 3	113 5 56	2.0	.70	2.0	1.00	2,000	N	N	N
DLAD040	39 47 12	113 7 1	5.0	1.00	2.0	2.00	3,000	N	N	N
DLAD041	39 47 32	113 3 39	1.0	.50	.5	.30	500	N	N	N
DLAE001	39 45 58	112 56 49	3.0	1.00	10.0	>2.00	2,000	N	N	N
DLAE002	39 46 10	112 57 57	2.0	1.00	7.0	2.00	700	N	N	N
DLAE003	39 47 34	112 58 19	2.0	1.50	7.0	.50	500	N	N	N
DLAE004	39 57 39	112 57 0	3.0	1.00	10.0	>2.00	1,000	N	N	N
DLAE005	39 49 36	112 57 57	5.0	1.00	5.0	>2.00	1,000	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLAB003	70	500	N	N	N	10	100	<10	100	N	N	N
DLAB004	70	300	N	N	N	10	70	10	50	N	<50	<10
DLAB005	70	2,000	N	N	N	<10	100	<10	<50	N	N	N
DLAB007	70	2,000	N	N	N	<10	70	10	100	N	N	N
DLAB008	150	10,000	N	N	N	20	200	15	500	N	200	50
DLAC017	150	1,500	<2	N	N	N	100	<10	50	N	N	N
DLAC018	150	1,000	<2	N	N	N	30	<10	<50	N	N	N
DLAC020	500	>10,000	2	N	N	10	100	10	N	N	N	N
DLAC021	150	>10,000	<2	N	N	20	100	30	50	N	N	50
DLAC022	70	700	2	N	N	N	20	<10	50	N	<50	N
DLAC025	200	700	7	N	N	<10	50	<10	150	N	200	N
DLAC774	150	1,500	2	N	N	N	50	10	70	N	N	N
DLAD001	100	5,000	5	N	N	N	20	10	100	N	N	N
DLAD002	100	700	5	N	N	<10	50	<10	500	N	300	N
DLAD003	200	200	5	N	N	<10	<20	<10	300	N	300	N
DLAD004	200	700	10	N	N	<10	50	10	150	N	100	N
DLAD005	200	700	5	N	N	<10	<20	100	N	N	100	N
DLAD006	70	100	10	N	N	<10	<20	<10	<50	N	200	N
DLAD007	100	500	<2	N	N	10	150	30	100	N	200	N
DLAD008	50	5,000	N	N	N	N	70	<10	<50	N	N	N
DLAD012	100	300	7	N	N	<10	<20	<10	<50	N	100	N
DLAD013	200	300	7	N	N	<10	20	<10	100	<10	500	N
DLAD014	150	1,000	5	N	N	N	20	10	50	N	200	N
DLAD015	150	300	5	N	N	<10	30	<10	100	N	500	N
DLAD016	150	>10,000	<2	N	N	<10	100	20	50	N	70	N
DLAD018	50	>10,000	<2	N	N	N	<20	<10	N	N	N	N
DLAD019	100	>10,000	2	N	N	<10	30	10	N	N	50	N
DLAD021	150	7,000	<2	N	N	<10	100	<10	<50	N	<50	20
DLAD023	150	7,000	7	N	N	<10	100	<10	150	N	200	N
DLAD024	100	7,000	<2	N	N	N	30	50	<50	N	N	N
DLAD025	100	5,000	10	N	N	N	20	30	<50	N	N	N
DLAD026	70	2,000	N	N	N	N	20	<10	<50	N	N	N
DLAD028	100	1,000	<2	N	N	<10	100	15	50	N	70	N
DLAD030	70	500	N	N	N	N	20	10	N	N	N	N
DLAD031	70	700	N	N	N	N	20	<10	N	N	N	N
DLAD033	70	200	<2	N	N	N	20	<10	<50	N	N	N
DLAD038	150	300	5	N	N	<10	20	<10	<50	N	100	N
DLAD039	200	500	20	N	N	N	20	10	N	N	200	N
DLAD040	100	300	5	N	N	<10	20	10	100	<10	200	N
DLAD041	500	50	15	N	N	<10	<20	<10	50	N	70	N
DLAE001	100	1,000	<2	N	N	N	20	1,000	1,500	N	500	N
DLAE002	70	300	<2	N	N	N	50	300	200	N	<50	N
DLAE003	50	300	<2	30	N	<10	20	100	50	N	N	N
DLAE004	100	1,500	<2	N	N	N	20	1,000	500	N	100	N
DLAE005	50	500	2	N	N	10	50	700	500	N	100	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLAB003	20	N	20	150	1,000	100	N	100	N	>2,000	N
DLAB004	70	N	20	50	<200	100	N	200	N	>2,000	N
DLAB005	30	N	10	20	1,500	50	N	70	N	>2,000	<200
DLAB007	100	N	15	70	700	100	N	200	N	>2,000	N
DLAB008	100	N	70	100	>10,000	200	N	500	N	>2,000	500
DLAC017	50	N	<10	N	1,000	70	N	150	N	>2,000	N
DLAC018	70	N	<10	N	1,500	50	N	50	N	>2,000	N
DLAC020	100	N	10	N	>10,000	150	N	70	N	>2,000	N
DLAC021	200	N	15	500	>10,000	150	N	30	N	>2,000	N
DLAC022	30	N	10	N	1,500	50	N	200	N	>2,000	<200
DLAC025	20	N	50	500	N	70	N	500	N	>2,000	500
DLAC774	100	N	10	N	2,000	50	N	150	N	>2,000	N
DLAD001	70	N	20	N	N	100	N	500	N	>2,000	N
DLAD002	70	N	50	100	N	150	N	1,500	N	>2,000	1,000
DLAD003	100	N	50	20	N	100	N	1,000	N	>2,000	1,000
DLAD004	50	N	20	1,000	N	200	N	500	N	>2,000	N
DLAD005	20,000	N	<10	20	1,000	50	N	150	N	>2,000	<200
DLAD006	500	N	100	70	N	50	N	700	N	>2,000	2,000
DLAD007	1,000	N	50	50	<200	150	N	500	N	>2,000	500
DLAD008	3,000	N	10	N	500	100	N	100	N	>2,000	N
DLAD012	2,000	N	20	<20	N	30	N	500	N	>2,000	500
DLAD013	20	N	30	20	N	100	N	200	N	>2,000	700
DLAD014	70	N	20	70	200	100	N	200	N	>2,000	<200
DLAD015	N	N	20	N	N	70	N	200	N	>2,000	N
DLAD016	50	N	10	N	700	150	N	150	N	>2,000	200
DLAD018	30	N	N	N	3,000	50	N	50	N	2,000	N
DLAD019	50	N	<10	N	3,000	100	N	200	N	>2,000	N
DLAD021	2,000	N	20	<20	700	100	N	200	N	>2,000	<200
DLAD023	2,000	N	50	50	200	150	N	1,000	N	>2,000	N
DLAD024	20,000	N	N	N	200	100	200	150	2,000	>2,000	N
DLAD025	500	N	N	N	200	70	N	70	N	>2,000	N
DLAD026	100	N	N	N	200	50	N	50	N	>2,000	N
DLAD028	200	N	10	N	200	100	N	200	N	>2,000	<200
DLAD030	50	N	<10	N	<200	70	N	<20	N	>2,000	<200
DLAD031	50	N	<10	N	<200	50	N	100	N	>2,000	N
DLAD033	500	N	<10	N	N	70	N	100	N	>2,000	N
DLAD038	100	N	50	>2,000	N	30	N	200	N	>2,000	500
DLAD039	150	N	70	700	N	50	N	500	N	>2,000	1,500
DLAD040	<20	N	100	50	N	100	N	500	N	>2,000	1,000
DLAD041	50	N	50	700	N	30	N	100	N	>2,000	200
DLAE001	20	N	70	N	N	300	N	1,000	N	>2,000	N
DLAE002	N	N	30	N	N	150	N	300	N	>2,000	N
DLAE003	30	N	10	<20	200	100	N	150	N	>2,000	N
DLAE004	20	N	70	N	N	200	N	1,000	1,000	>2,000	N
DLAE005	150	N	50	N	N	200	N	500	N	>2,000	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLAE009	39 48 2	112 53 16	5.0	.70	5.0	>2.00	2,000	N	N	N
DLAE010	39 46 3	112 52 58	5.0	2.00	7.0	1.50	2,000	N	N	N
DLAE011	39 45 14	112 52 22	5.0	.50	2.0	>2.00	2,000	N	N	N
DLAE012	39 46 42	112 51 50	1.0	.50	7.0	1.50	700	N	N	N
DLAE013	39 49 22	112 51 19	10.0	1.00	5.0	2.00	1,500	N	N	N
DLAE014	39 51 24	112 51 7	3.0	1.00	5.0	>2.00	1,000	N	N	N
DLAE015	39 51 39	112 53 38	1.0	1.50	7.0	1.00	500	N	N	N
DLAE016	39 51 17	112 55 44	1.5	.70	10.0	2.00	1,000	N	N	N
DLAE017	39 53 18	112 53 56	1.5	7.00	15.0	.50	500	N	N	N
DLAE018	39 53 41	112 55 44	3.0	1.00	5.0	>2.00	500	N	N	N
DLAE019	39 55 10	112 54 28	5.0	1.50	7.0	>2.00	1,000	N	N	N
DLAE020	39 56 53	112 54 14	1.5	.50	7.0	>2.00	500	N	N	N
DLAE021	39 56 38	112 55 48	2.0	2.00	7.0	>2.00	1,000	N	N	N
DLAE033	39 58 47	112 46 26	1.0	3.00	5.0	>2.00	300	N	N	N
DLAE034	39 56 39	112 46 55	3.0	2.00	5.0	>2.00	1,000	N	N	N
DLAE035	39 54 44	112 46 40	2.0	1.00	5.0	>2.00	1,000	N	N	N
DLAE036	39 53 31	112 46 12	2.0	1.00	5.0	>2.00	1,000	N	N	N
DLAE038	39 55 18	112 51 3	3.0	1.00	5.0	>2.00	700	N	N	N
DLAE039	39 52 48	112 50 24	2.0	1.00	7.0	>2.00	1,000	N	N	N
DLAE043	39 49 27	112 49 12	2.0	1.00	5.0	1.50	1,000	N	N	N
DLAE045	39 47 57	112 48 7	.5	.50	2.0	.50	500	N	N	N
DLAE046	39 47 22	112 46 37	1.0	.20	2.0	.50	500	N	N	N
DLAE047	39 45 24	112 46 33	1.0	.30	1.5	1.00	300	N	N	N
DLAE048	39 45 12	112 48 7	1.0	.30	1.5	.50	500	N	N	N
DLAF001	39 45 56	112 35 24	3.0	2.00	7.0	>2.00	2,000	N	N	N
DLAF002	39 48 7	112 35 20	2.0	1.50	7.0	>2.00	1,000	N	N	N
DLAF005	39 53 14	112 36 7	2.0	1.00	5.0	>2.00	500	N	N	N
DLAF009	39 58 13	112 33 39	1.0	.10	15.0	2.00	500	N	N	N
DLAF010	39 57 20	112 34 4	1.0	10.00	20.0	.30	300	N	N	N
DLAF012	39 55 4	112 32 56	5.0	.70	1.0	>2.00	500	N	N	N
DLAF013	39 57 12	112 32 24	.5	.05	2.0	2.00	150	N	N	N
DLAF014	39 58 5	112 31 26	2.0	.50	15.0	>2.00	700	N	N	N
DLAF015	39 53 47	112 31 4	1.0	.10	.3	>2.00	700	N	N	N
DLAF021	39 45 19	112 38 56	1.5	.70	10.0	1.50	2,000	N	N	N
DLAF022	39 47 7	112 38 38	5.0	1.50	7.0	>2.00	1,500	N	N	N
DLAF029	39 45 57	112 33 25	2.0	1.50	7.0	>2.00	1,000	N	N	N
DLAF034	39 49 18	112 33 21	5.0	2.00	7.0	2.00	1,500	N	N	N
DLAF036	39 53 10	112 42 3	3.0	1.00	7.0	>2.00	>10,000	N	N	N
DLAF037	39 53 22	112 43 48	1.5	1.00	5.0	>2.00	1,000	N	N	N
DLAF038	39 55 3	112 43 37	1.5	.70	3.0	>2.00	1,500	N	N	N
DLAF040	39 53 37	112 38 56	1.5	.50	2.0	>2.00	700	20	N	N
DLAF043	39 57 16	112 40 1	2.0	1.00	7.0	>2.00	1,000	N	N	N
DLAF044	39 57 55	112 39 36	3.0	1.50	7.0	>2.00	5,000	N	N	N
DLAF046	39 58 44	112 41 56	1.5	7.00	20.0	2.00	500	N	N	N
DLAF048	39 54 59	112 30 39	2.0	.10	5.0	>2.00	300	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLAE009	70	500	5	N	N	10	30	700	700	<10	300	N
DLAE010	100	500	5	N	N	10	50	500	70	N	150	N
DLAE011	50	100	5	N	N	<10	50	700	300	<10	200	N
DLAE012	70	300	10	N	N	N	<20	300	1,000	N	<50	N
DLAE013	100	200	5	N	N	10	70	500	500	N	70	N
DLAE014	100	300	5	N	N	10	50	700	500	N	100	N
DLAE015	50	300	N	N	N	<10	50	300	100	N	<50	N
DLAE016	70	5,000	7	N	N	<10	50	500	1,000	N	100	N
DLAE017	50	5,000	N	N	N	<10	20	200	50	N	N	N
DLAE018	70	1,000	5	N	N	10	100	700	500	N	50	N
DLAE019	100	300	2	N	N	15	100	700	150	N	100	N
DLAE020	100	150	7	N	N	<10	100	1,000	100	N	100	N
DLAE021	100	10,000	2	N	N	10	100	500	500	N	100	N
DLAE033	100	500	5	N	N	<10	200	10	100	N	N	N
DLAE034	200	700	<2	N	N	10	150	20	150	N	N	N
DLAE035	100	1,000	2	N	N	<10	100	30	200	N	N	N
DLAE036	100	700	2	N	N	<10	150	30	150	N	N	N
DLAE038	200	2,000	10	N	N	<10	100	10	500	N	100	N
DLAE039	70	1,000	2	N	N	10	100	<10	500	N	100	N
DLAE043	50	500	5	N	N	N	<20	<10	700	N	N	N
DLAE045	70	2,000	10	N	N	N	N	<10	200	N	N	N
DLAE046	50	200	15	N	N	N	N	<10	300	N	N	N
DLAE047	50	100	10	N	N	N	<20	<10	200	N	<50	N
DLAE048	50	200	15	N	N	N	N	<10	200	N	N	N
DLAF001	200	500	<2	50	N	10	100	30	1,000	N	500	N
DLAF002	200	500	<2	N	N	N	100	20	500	N	500	N
DLAF005	100	1,000	2	N	N	<10	100	20	500	N	N	N
DLAF009	50	700	<2	70	50	N	<20	<10	700	1,000	100	N
DLAF010	200	300	<2	30	N	N	20	<10	70	20	<50	N
DLAF012	100	200	200	500	N	<10	50	10	>2,000	20	200	N
DLAF013	20	100	100	>2,000	N	N	<20	<10	700	N	200	N
DLAF014	100	300	<2	300	N	N	100	10	1,500	N	300	N
DLAF015	100	100	20	50	N	<10	100	<10	1,000	N	200	N
DLAF021	100	>10,000	2	200	N	N	20	100	1,000	N	100	N
DLAF022	200	10,000	<2	200	N	10	100	20	1,500	N	500	N
DLAF029	150	10,000	<2	N	N	<10	100	20	700	N	500	N
DLAF034	300	2,000	<2	N	N	10	100	20	700	N	150	N
DLAF036	100	3,000	5	<20	N	<10	100	50	500	N	N	N
DLAF037	200	1,000	5	N	N	<10	100	20	100	N	N	N
DLAF038	200	700	3	N	N	<10	150	20	300	N	N	N
DLAF040	200	2,000	5	70	50	N	100	500	700	500	<50	N
DLAF043	200	7,000	2	50	N	<10	100	30	700	N	50	N
DLAF044	200	3,000	7	N	N	N	70	20	1,000	N	100	N
DLAF046	100	1,000	<2	N	N	<10	100	20	500	N	100	N
DLAF048	100	100	<2	200	N	<10	200	<10	200	N	500	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLAE009	300	N	50	150	<200	200	N	500	N	>2,000	200
DLAE010	N	N	30	N	300	150	N	200	N	>2,000	N
DLAE011	50	N	50	20	N	150	N	500	N	>2,000	<200
DLAE012	<20	N	50	30	N	100	N	1,000	N	>2,000	500
DLAE013	<20	N	50	30	N	200	N	500	N	>2,000	N
DLAE014	50	N	50	500	N	200	N	500	N	>2,000	<200
DLAE015	20	N	10	20	200	100	N	200	N	>2,000	N
DLAE016	N	N	50	20	N	150	N	700	N	>2,000	<200
DLAE017	<20	N	10	20	<200	70	N	100	N	>2,000	N
DLAE018	20	N	70	N	N	200	N	1,000	N	>2,000	N
DLAE019	20	N	50	N	N	200	N	500	N	>2,000	N
DLAE020	20	N	50	N	N	100	N	700	N	>2,000	N
DLAE021	200	N	50	<20	2,000	150	N	500	N	>2,000	N
DLAE033	150	N	100	50	N	200	N	700	N	>2,000	<200
DLAE034	100	N	100	N	N	200	N	700	N	>2,000	<200
DLAE035	2,000	N	70	700	N	300	N	700	N	>2,000	<200
DLAE036	500	N	100	100	N	200	N	700	N	>2,000	<200
DLAE038	20	N	70	50	200	150	N	1,000	N	>2,000	<200
DLAE039	<20	N	50	N	N	200	N	700	N	>2,000	N
DLAE043	20	N	50	N	N	100	N	1,000	N	>2,000	200
DLAE045	<20	N	50	N	N	50	N	1,000	N	>2,000	500
DLAE046	--	N	50	N	N	100	N	700	N	>2,000	N
DLAE047	--	N	20	30	N	50	N	500	N	>2,000	N
DLAE048	70	N	30	20	N	50	N	500	N	>2,000	200
DLAF001	700	N	100	100	N	200	<100	1,000	N	>2,000	500
DLAF002	500	N	100	70	N	150	N	1,000	N	>2,000	1,000
DLAF005	100	N	100	100	N	150	N	700	N	>2,000	<200
DLAF009	1,000	N	50	>2,000	N	20	N	2,000	N	>2,000	500
DLAF010	500	N	10	150	N	20	<100	150	N	>2,000	N
DLAF012	20	N	50	>2,000	N	100	150	1,000	N	>2,000	1,000
DLAF013	70	N	20	>2,000	N	50	5,000	100	N	>2,000	<200
DLAF014	100	N	50	>2,000	N	100	2,000	5,000	N	>2,000	700
DLAF015	<20	N	30	>2,000	N	150	100	2,000	N	>2,000	1,500
DLAF021	500	N	20	N	5,000	50	200	500	N	>2,000	700
DLAF022	300	N	100	50	N	200	N	700	N	>2,000	3,000
DLAF029	200	N	100	30	N	150	N	700	N	>2,000	1,000
DLAF034	200	N	70	100	N	150	N	500	N	>2,000	2,000
DLAF036	1,000	N	100	N	200	500	N	1,000	N	>2,000	N
DLAF037	300	N	100	200	N	150	N	500	N	>2,000	<200
DLAF038	500	N	100	100	<200	200	N	700	N	>2,000	<200
DLAF040	>50,000	N	100	>2,000	N	200	N	1,000	5,000	>2,000	<200
DLAF043	5,000	N	100	100	500	200	N	700	N	>2,000	200
DLAF044	100	N	150	N	N	500	N	1,000	N	>2,000	<200
DLAF046	1,000	N	50	<20	<200	100	N	500	N	>2,000	N
DLAF048	<20	N	20	500	N	200	150	2,000	N	>2,000	500

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLAG003	39 54 52	112 18 10	2.0	1.50	5.0	>2.00	700	N	N	N
DLAG004	39 53 41	112 18 54	.7	.50	15.0	>2.00	500	N	N	N
DLAG005	39 53 27	112 20 56	5.0	1.00	2.0	>2.00	500	N	N	N
DLAG009	39 59 4	112 22 51	3.0	.70	5.0	>2.00	1,000	N	N	N
DLAG011	39 58 24	112 25 48	5.0	.50	2.0	>2.00	500	N	N	N
DLAG012	39 58 52	112 27 32	2.0	.50	7.0	>2.00	300	N	N	N
DLAG013	39 57 33	112 26 27	10.0	1.00	2.0	2.00	500	N	N	N
DLAG018	39 56 52	112 27 32	1.0	.50	2.0	>2.00	500	15	N	N
DLAG019	39 55 8	112 23 27	5.0	.30	5.0	>2.00	300	N	N	N
DLAG021	39 51 1	112 20 50	2.0	1.00	2.0	>2.00	1,000	N	N	N
DLAG022	39 49 5	112 23 27	2.0	1.00	5.0	>2.00	700	7	2,000	N
DLAG023	39 50 30	112 23 31	2.0	.50	7.0	2.00	300	700	>20,000	N
DLAG024	39 49 31	112 22 1	1.5	.70	5.0	2.00	300	10	2,000	N
DLAG028	39 50 18	112 26 38	2.0	1.00	5.0	>2.00	500	N	N	N
DLAG035	39 52 31	112 26 24	2.0	.50	5.0	>2.00	500	N	N	N
DLAG104	39 55 8	112 23 27	2.0	1.00	2.0	>2.00	1,000	5	N	N
DLAH001	39 45 45	112 7 4	2.0	1.00	3.0	1.50	700	N	N	N
DLAH002	39 45 24	112 8 42	1.5	2.00	3.0	2.00	1,000	N	N	N
DLAH015	39 49 31	112 6 25	2.0	1.00	5.0	>2.00	1,000	N	N	N
DLAH018	39 53 21	112 8 20	3.0	2.00	3.0	2.00	1,000	20	N	N
DLAH019	39 53 7	112 6 18	1.5	.30	1.0	>2.00	300	10	N	N
DLAH028	39 51 46	112 1 1	.7	.50	10.0	.50	1,500	N	N	N
DLAH029	39 51 24	112 3 10	5.0	.50	10.0	.50	1,500	N	N	N
DLAH030	39 49 29	112 1 4	1.0	.70	7.0	1.00	700	N	N	N
DLAH031	39 58 58	112 3 43	3.0	5.00	10.0	.30	2,000	N	N	N
DLAH035	39 56 52	112 9 18	3.0	2.00	10.0	2.00	700	5	N	N
DLAH036	39 57 6	112 10 33	5.0	1.00	2.0	2.00	1,000	N	N	N
DLAH037	39 59 3	112 9 43	2.0	.50	1.0	>2.00	500	N	N	N
DLAH038	39 58 26	112 11 34	5.0	1.50	7.0	>2.00	1,500	N	N	N
DLAH039	39 59 1	112 13 26	3.0	10.00	7.0	2.00	700	N	N	N
DLBA012	39 33 5	113 49 30	1.5	2.00	15.0	>2.00	700	N	N	N
DLBA013	39 32 3	113 48 21	1.0	5.00	15.0	2.00	500	N	N	N
DLBA014	39 32 10	113 47 13	2.0	5.00	10.0	>2.00	1,000	N	N	N
DLBA015	39 31 23	113 47 13	.7	1.00	10.0	.70	200	N	N	N
DLBA016	39 30 15	113 49 30	2.0	5.00	10.0	>2.00	500	N	N	N
DLBA017	39 31 6	113 50 53	1.5	7.00	20.0	2.00	500	N	N	N
DLBA023	39 36 36	113 49 22	1.5	3.00	20.0	2.00	500	N	N	N
DLBA024	39 38 5	113 47 2	2.0	10.00	20.0	>2.00	1,500	N	N	N
DLBA134	39 39 50	113 47 31	1.5	2.00	10.0	>2.00	500	N	N	N
DLBB001	39 37 58	113 44 46	5.0	7.00	10.0	>2.00	1,000	N	N	N
DLBB002	39 38 25	113 44 46	2.0	5.00	15.0	1.00	500	N	N	N
DLBB003	39 39 36	113 44 42	5.0	10.00	20.0	2.00	1,000	N	N	N
DLBB005	39 39 36	113 42 0	2.0	10.00	20.0	.70	300	N	N	N
DLBB006	39 39 43	113 39 4	1.5	10.00	15.0	.50	500	N	N	N
DLBB007	39 40 45	113 38 20	2.0	7.00	20.0	.70	500	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLAG003	200	7,000	<2	N	N	N	70	<10	200	N	<50	N
DLAG004	150	300	N	N	N	N	70	<10	100	N	N	N
DLAG005	200	300	<2	N	N	10	50	<10	100	N	70	10
DLAG009	300	2,000	N	N	N	10	100	10	300	N	100	N
DLAG011	150	1,000	<2	N	N	10	70	15	70	N	200	N
DLAG012	100	300	<2	N	N	N	30	<10	100	N	100	N
DLAG013	150	200	<2	N	N	<10	50	20	500	N	50	N
DLAG018	500	500	<2	N	N	10	200	20	150	N	300	N
DLAG019	100	200	2	N	N	10	70	15	50	N	300	N
DLAG021	200	2,000	N	N	N	<10	100	500	200	N	N	N
DLAG022	150	150	<2	N	N	N	50	50	200	N	<50	N
DLAG023	100	10,000	<2	100	200	N	20	2,000	50	50	70	N
DLAG024	100	150	N	N	N	N	30	30	50	N	<50	N
DLAG028	100	300	50	N	50	N	70	20	50	N	50	N
DLAG035	200	200	<2	N	N	N	100	<10	200	N	70	N
DLAG104	200	3,000	2	50	50	10	50	10	500	N	50	N
DLAH001	150	3,000	<2	300	100	10	20	500	200	N	<50	N
DLAH002	100	500	5	N	N	<10	50	10	100	N	N	N
DLAH015	100	2,000	<2	20	50	10	50	20	700	N	70	N
DLAH018	500	10,000	5	50	N	15	50	1,000	1,000	N	70	N
DLAH019	50	>10,000	<2	200	N	<10	70	100	1,000	N	<50	N
DLAH028	30	>10,000	<2	70	N	<10	20	100	200	N	N	N
DLAH029	50	>10,000	<2	20	N	15	<20	30	1,000	N	N	N
DLAH030	100	5,000	2	--	N	<10	50	<10	200	N	<50	N
DLAH031	100	5,000	<2	20	N	15	20	30	200	N	N	<10
DLAH035	200	1,500	2	20	N	<10	50	30	<50	N	50	N
DLAH036	200	1,000	2	N	N	10	100	10	50	N	50	N
DLAH037	200	700	<2	N	N	10	100	20	50	N	500	N
DLAH038	200	2,000	5	20	N	10	100	10	100	N	500	N
DLAH039	200	500	2	<20	N	<10	50	10	200	N	<50	10
DLBA012	150	200	<2	N	N	<10	70	10	500	N	500	N
DLBA013	100	200	N	N	N	<10	150	10	100	N	70	N
DLBA014	500	200	<2	N	N	<10	200	15	500	N	50	N
DLBA015	150	1,500	<2	N	N	N	100	<10	<50	N	N	N
DLBA016	150	700	<2	N	N	N	70	10	200	N	150	N
DLBA017	50	150	2	N	N	N	70	<10	150	N	100	N
DLBA023	200	700	2	N	N	N	150	10	500	N	200	N
DLBA024	100	500	10	N	N	<10	100	10	150	N	100	N
DLBA134	200	300	2	N	N	N	100	<10	70	N	100	N
DLBB001	200	700	N	N	N	N	200	<10	200	N	<50	N
DLBB002	100	500	5	N	N	<10	50	<10	50	N	<50	N
DLBB003	100	3,000	30	N	N	10	300	<10	100	N	<50	<10
DLBB005	200	2,000	N	N	N	N	100	<10	150	N	N	N
DLBB006	70	10,000	<2	N	N	N	50	<10	<50	N	N	N
DLBB007	100	2,000	<2	N	N	N	100	10	<50	N	50	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLAG003	15,000	<200	70	50	N	150	N	500	1,000	>2,000	<200
DLAG004	70	N	50	N	N	200	N	700	N	>2,000	N
DLAG005	<20	N	20	N	N	200	200	200	N	>2,000	N
DLAG009	200	N	70	N	N	200	N	500	N	>2,000	200
DLAG011	200	N	30	>2,000	N	200	N	500	N	>2,000	N
DLAG012	1,500	N	20	N	N	70	N	500	N	>2,000	N
DLAG013	700	N	20	N	N	200	N	150	N	>2,000	N
DLAG018	20,000	N	50	>2,000	N	200	N	500	N	>2,000	N
DLAG019	<20	N	20	N	N	200	N	300	N	>2,000	N
DLAG021	20,000	<200	100	150	N	150	<100	700	700	>2,000	N
DLAG022	5,000	200	50	30	N	100	N	300	2,000	>2,000	N
DLAG023	>50,000	5,000	20	>2,000	<200	100	<100	200	>20,000	>2,000	N
DLAG024	5,000	N	30	30	N	70	N	200	700	>2,000	N
DLAG028	1,000	N	70	20	N	100	N	500	N	>2,000	N
DLAG035	1,000	N	70	20	N	150	N	500	N	>2,000	N
DLAG104	5,000	N	50	20	200	150	N	500	3,000	>2,000	N
DLAH001	20,000	N	30	>2,000	500	150	N	500	700	>2,000	N
DLAH002	700	N	50	N	<200	100	N	500	N	>2,000	N
DLAH015	1,500	N	70	<20	1,000	150	N	500	2,000	>2,000	N
DLAH018	5,000	N	20	50	10,000	200	<100	200	2,000	>2,000	N
DLAH019	50,000	N	30	50	>10,000	500	150	100	N	>2,000	500
DLAH028	>50,000	2,000	20	N	5,000	150	N	200	N	>2,000	N
DLAH029	1,000	N	20	N	5,000	200	N	300	N	2,000	N
DLAH030	100	N	15	20	1,000	100	N	200	N	2,000	N
DLAH031	1,000	N	10	N	500	100	N	100	N	>2,000	N
DLAH035	5,000	<200	20	N	500	200	N	200	2,000	>2,000	N
DLAH036	200	N	20	N	300	200	N	200	500	>2,000	N
DLAH037	100	N	50	<20	200	200	N	200	N	>2,000	N
DLAH038	2,000	N	100	N	N	500	N	500	N	>2,000	<200
DLAH039	500	N	20	N	1,000	150	N	300	500	>2,000	N
DLBA012	30	N	30	70	N	200	N	1,000	N	>2,000	N
DLBA013	20	N	10	<20	N	100	N	200	N	>2,000	N
DLBA014	70	N	50	20	N	200	N	700	N	>2,000	N
DLBA015	<20	N	10	N	<200	70	N	150	N	>2,000	N
DLBA016	20	N	30	50	<200	150	N	700	N	>2,000	N
DLBA017	20	N	15	50	<200	100	N	300	N	>2,000	N
DLBA023	20	N	15	20	500	150	N	700	N	>2,000	N
DLBA024	<20	N	15	20	500	150	N	500	N	>2,000	N
DLBA134	20	N	20	N	<200	150	N	500	N	>2,000	N
DLBB001	70	N	50	20	500	150	N	700	N	>2,000	N
DLBB002	50	N	<10	N	200	70	N	150	N	>2,000	N
DLBB003	20	N	20	<20	700	150	N	150	N	>2,000	N
DLBB005	50	N	<10	N	1,000	70	N	200	N	>2,000	N
DLBB006	20	N	<10	N	300	50	N	50	N	>2,000	N
DLBB007	30	N	<10	30	700	70	N	70	N	>2,000	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLBB008	39 38 2	113 40 37	.5	7.00	15.0	.20	700	N	N	N
DLBB009	39 37 4	113 39 4	3.0	10.00	20.0	.70	700	N	N	N
DLBB010	39 35 51	113 39 32	1.0	15.00	20.0	.50	500	N	N	N
DLBB011	39 36 3	113 40 33	2.0	7.00	30.0	.70	300	N	N	N
DLBB012	39 33 50	113 41 2	10.0	5.00	50.0	2.00	2,000	N	N	N
DLBB014	39 33 10	113 42 40	1.0	3.00	30.0	.70	200	N	N	N
DLBB016	39 30 51	113 42 36	1.5	2.00	20.0	.50	500	N	N	N
DLBB018	39 32 8	113 36 28	1.5	3.00	20.0	.70	300	N	N	N
DLBB019	39 33 21	113 36 18	.7	10.00	20.0	.20	300	N	N	N
DLBB020	39 34 29	113 36 21	1.0	10.00	20.0	.30	500	N	N	N
DLBB022	39 34 13	113 37 26	3.0	10.00	20.0	.50	500	N	N	N
DLBB024	39 32 58	113 34 16	3.0	7.00	10.0	1.50	1,000	N	N	N
DLBB025	39 34 21	113 33 18	1.0	3.00	50.0	.20	200	N	N	N
DLBB027	39 33 24	113 32 4	2.0	10.00	50.0	.50	700	N	N	N
DLBB028	39 43 36	113 44 46	1.5	5.00	20.0	>2.00	1,000	N	N	N
DLBB031	39 44 21	113 36 32	2.0	5.00	20.0	.50	700	N	N	N
DLBB032	39 43 56	113 37 30	1.5	7.00	20.0	.50	700	N	N	N
DLBB037	39 41 16	113 34 0	1.0	5.00	15.0	1.00	500	N	N	N
DLBB038	39 39 40	113 30 35	2.0	2.00	7.0	>2.00	300	N	N	N
DLBB039	39 39 3	113 31 33	1.0	5.00	10.0	2.00	500	N	N	N
DLBB042	39 40 50	113 31 33	2.0	10.00	20.0	2.00	700	N	N	N
DLBB043	39 43 23	113 32 9	3.0	10.00	20.0	.20	700	N	N	N
DLBB044	39 44 36	113 32 34	1.0	7.00	50.0	.50	1,000	N	N	N
DLBB045	39 44 31	113 31 26	2.0	10.00	20.0	.15	500	N	N	N
DLBD014	39 42 20	113 12 36	.7	2.00	5.0	.30	200	N	N	N
DLBD015	39 38 25	113 11 20	.5	1.00	3.0	.15	200	N	N	N
DLBD018	39 36 11	113 10 40	1.0	7.00	10.0	.20	500	N	N	N
DLBD020	39 34 13	113 10 20	2.0	2.00	7.0	1.50	500	N	N	N
DLBD023	39 32 38	113 10 15	5.0	3.00	10.0	2.00	1,000	N	N	N
DLBD024	39 32 35	113 7 51	2.0	1.00	10.0	.30	500	N	N	N
DLBD025	39 33 36	113 6 36	2.0	2.00	10.0	.50	500	N	N	N
DLBD026	39 32 0	113 4 12	3.0	3.00	10.0	.50	700	N	N	N
DLBD027	39 31 17	113 3 21	2.0	3.00	10.0	.30	500	N	N	N
DLBD028	39 34 3	113 5 42	3.0	5.00	10.0	2.00	1,000	N	N	N
DLBD029	39 34 36	113 2 56	2.0	7.00	15.0	.20	500	70	N	N
DLBD032	39 35 51	113 4 12	2.0	1.00	10.0	>2.00	1,500	5	N	N
DLBD033	39 36 57	113 5 2	1.0	10.00	15.0	.20	500	N	N	N
DLBD034	39 38 0	113 6 3	1.0	10.00	20.0	.20	500	N	N	N
DLBD035	39 38 32	113 8 13	3.0	2.00	15.0	>2.00	2,000	N	N	N
DLBD037	39 38 2	113 1 15	2.0	2.00	10.0	2.00	700	N	N	N
DLBD038	39 34 46	113 1 51	3.0	2.00	10.0	2.00	1,500	N	N	N
DLBD039	39 35 44	113 0 21	2.0	1.50	10.0	>2.00	700	N	N	N
DLBD117	39 36 19	113 9 14	3.0	2.00	20.0	1.00	2,000	N	1,000	N
DLBE006	39 39 39	112 56 42	3.0	1.00	2.0	>2.00	1,000	N	N	N
DLBE008	39 42 57	112 57 7	5.0	1.50	5.0	>2.00	2,000	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLBB008	50	>10,000	N	N	N	N	20	10	<50	N	N	N
DLBB009	200	>10,000	<2	N	N	<10	100	20	50	N	N	10
DLBB010	50	3,000	N	N	N	N	30	<10	<50	N	N	N
DLBB011	200	2,000	N	N	N	N	70	10	300	N	N	50
DLBB012	200	10,000	N	N	N	20	100	20	200	N	100	10
DLBB014	150	500	<2	N	N	N	200	<10	200	N	N	N
DLBB016	100	500	15	N	N	N	100	10	150	N	N	<10
DLBB018	150	>10,000	N	N	N	N	150	15	200	N	N	<10
DLBB019	70	3,000	N	N	N	N	100	<10	100	N	N	N
DLBB020	70	1,000	N	N	N	N	20	<10	<50	N	N	N
DLBB022	70	300	<2	N	N	<10	50	10	100	N	N	30
DLBB024	50	10,000	<2	N	N	<10	50	10	100	N	<50	N
DLBB025	100	1,500	<2	N	N	<10	300	10	200	N	N	<10
DLBB027	70	2,000	N	N	N	<10	20	15	100	N	N	<10
DLBB028	150	200	100	N	N	N	70	<10	150	N	200	N
DLBB031	100	500	N	N	N	N	70	<10	<50	N	N	N
DLBB032	100	1,000	N	N	N	<10	100	<10	<50	N	N	N
DLBB037	50	3,000	2	N	N	<10	50	<10	50	N	150	N
DLBB038	70	10,000	N	N	N	<10	50	<10	100	N	300	N
DLBB039	70	3,000	N	N	N	N	50	<10	50	N	150	N
DLBB042	70	1,000	<2	N	N	<10	100	<10	50	N	100	N
DLBB043	50	100	N	N	N	<10	200	<10	N	N	50	N
DLBB044	70	500	<2	N	N	N	50	<10	100	N	N	<10
DLBB045	70	1,500	N	N	N	10	20	30	<50	N	N	15
DLBD014	70	100	3	N	N	<10	20	<10	<50	N	70	N
DLBD015	100	1,500	5	N	N	<10	30	<10	N	N	50	N
DLBD018	70	200	<2	N	N	<10	50	<10	50	N	N	N
DLBD020	50	1,500	<2	N	N	<10	100	20	100	N	70	10
DLBD023	100	500	2	N	N	20	200	50	100	N	50	50
DLBD024	100	1,000	3	N	N	<10	50	30	50	N	N	N
DLBD025	70	1,000	<2	N	N	<10	50	<10	70	N	N	<10
DLBD026	100	1,000	2	N	N	15	100	<10	100	N	N	50
DLBD027	100	1,000	<2	N	N	10	100	<10	100	N	N	<10
DLBD028	100	1,000	<2	N	N	20	100	50	150	N	50	20
DLBD029	30	7,000	N	>2,000	N	N	<20	2,000	<50	N	N	N
DLBD032	100	2,000	5	100	N	10	70	500	500	N	200	30
DLBD033	50	150	N	20	N	<10	50	30	N	N	N	N
DLBD034	50	5,000	2	<20	N	N	20	20	<50	N	N	N
DLBD035	100	500	2	N	N	20	100	10	1,500	N	300	50
DLBD037	100	300	5	N	N	<10	70	15	200	N	100	N
DLBD038	100	300	3	<20	N	<10	50	10	150	N	50	N
DLBD039	300	500	<2	100	N	<10	100	15	70	N	100	<10
DLBD117	150	10,000	3	N	N	<10	30	20	70	N	150	N
DLBE006	100	200	5	N	N	<10	50	<10	200	N	200	N
DLBE008	100	300	5	N	N	10	50	<10	700	10	500	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLBB008	20	N	N	N	2,000	30	N	30	N	>2,000	N
DLBB009	30	N	<10	150	500	70	N	100	N	>2,000	N
DLBB010	100	N	N	N	N	70	N	50	N	>2,000	N
DLBB011	20	N	<10	N	1,500	70	N	500	N	>2,000	N
DLBB012	50	N	10	N	2,000	500	N	300	N	>2,000	N
DLBB014	20	N	<10	N	500	70	N	300	N	>2,000	N
DLBB016	20	N	10	N	500	100	N	200	N	>2,000	N
DLBB018	30	N	<10	N	>10,000	100	N	300	N	>2,000	N
DLBB019	20	N	N	N	1,500	50	N	200	N	>2,000	N
DLBB020	20	N	N	N	300	50	N	50	N	>2,000	N
DLBB022	30	N	<10	N	200	100	N	200	N	>2,000	N
DLBB024	30	N	10	<20	2,000	100	N	200	N	>2,000	N
DLBB025	20	N	<10	N	1,000	100	N	500	N	>2,000	N
DLBB027	30	N	<10	N	300	100	N	200	N	>2,000	N
DLBB028	30	N	20	30	200	150	N	700	N	>2,000	200
DLBB031	20	N	10	70	1,000	100	N	100	N	>2,000	N
DLBB032	20	N	<10	N	1,000	100	N	100	N	>2,000	N
DLBB037	20	N	10	150	200	70	N	100	N	>2,000	N
DLBB038	<20	N	10	100	N	100	N	300	N	>2,000	N
DLBB039	<20	N	<10	50	N	70	N	200	N	>2,000	N
DLBB042	<20	N	10	N	<200	100	N	200	N	>2,000	N
DLBB043	<20	N	15	50	N	70	N	30	N	2,000	N
DLBB044	20	N	10	N	500	50	N	200	N	>2,000	N
DLBB045	30	N	<10	N	N	30	N	100	N	>2,000	N
DLBD014	30	N	10	150	N	20	N	150	N	>2,000	<200
DLBD015	20	N	10	70	N	20	N	100	N	>2,000	N
DLBD018	30	N	10	N	N	50	N	100	N	>2,000	N
DLBD020	20	N	20	70	200	100	N	200	N	>2,000	N
DLBD023	20	N	50	N	500	150	N	300	N	>2,000	500
DLBD024	20	N	<10	N	1,000	70	N	100	N	>2,000	N
DLBD025	200	N	10	N	500	70	N	150	N	>2,000	N
DLBD026	<20	N	20	N	700	100	N	150	N	>2,000	N
DLBD027	200	N	15	20	700	70	N	150	N	>2,000	N
DLBD028	100	N	30	<20	<200	200	N	200	N	>2,000	200
DLBD029	20,000	N	<10	>2,000	<200	30	100	100	N	>2,000	N
DLBD032	10,000	<200	50	500	200	150	N	500	N	>2,000	200
DLBD033	1,000	N	<10	500	N	50	N	50	N	>2,000	N
DLBD034	500	N	20	100	300	50	N	100	N	>2,000	N
DLBD035	200	N	100	150	N	200	N	1,000	N	>2,000	500
DLBD037	100	N	30	700	N	100	N	500	N	>2,000	200
DLBD038	200	N	30	70	N	100	N	300	N	>2,000	N
DLBD039	200	N	30	50	500	150	N	300	N	>2,000	N
DLBD117	50	N	15	N	700	150	N	200	N	>2,000	<200
DLBE006	<20	N	20	100	N	150	N	500	N	>2,000	<200
DLBE008	<20	N	70	200	N	200	N	500	N	>2,000	200

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLBE020	39 31 18	112 56 9	2.0	2.00	10.0	>2.00	700	N	N	N
DLBE022	39 38 31	112 54 46	2.0	1.00	5.0	>2.00	700	N	N	N
DLBE023	39 38 53	112 53 24	3.0	1.00	5.0	2.00	700	N	N	N
DLBE033	39 44 40	112 46 19	.7	.50	2.0	.70	300	N	N	N
DLBE034	39 44 38	112 47 45	3.0	1.00	5.0	1.00	1,500	N	N	N
DLBE036	39 43 5	112 51 21	2.0	.50	3.0	1.00	1,000	N	N	N
DLBE038	39 43 6	112 53 16	5.0	1.00	1.5	1.00	1,000	N	N	N
DLBE039	39 41 45	112 54 3	3.0	1.00	2.0	2.00	1,000	N	N	N
DLBF015	39 43 29	112 35 49	1.5	1.50	10.0	>2.00	1,000	N	N	N
DLBF035	39 44 9	112 37 51	1.0	1.50	10.0	>2.00	1,000	N	N	N
DLBG018	39 34 7	112 16 58	1.0	1.50	10.0	>2.00	500	N	N	N
DLBH009	39 44 7	112 9 25	3.0	2.00	5.0	>2.00	1,000	N	N	N
DLBH014	39 39 34	112 5 31	2.0	.70	5.0	>2.00	1,500	N	N	N
DLBH015	39 41 15	112 5 20	5.0	5.00	5.0	>2.00	1,500	N	N	N
DLBH016	39 41 54	112 4 22	2.0	1.50	5.0	>2.00	1,000	N	N	N
DLBH017	39 43 18	112 4 19	1.0	1.00	7.0	>2.00	1,000	N	N	N
DLBH018	39 43 45	112 5 27	2.0	1.00	5.0	2.00	700	N	N	N
DLBH019	39 43 50	112 3 0	7.0	2.00	7.0	2.00	2,000	N	N	N
DLBH020	39 43 32	112 1 19	2.0	.50	2.0	1.00	500	N	N	N
DLBH021	39 41 43	112 0 18	5.0	1.00	2.0	>2.00	1,000	N	N	N
DLBH022	39 39 59	112 2 13	1.0	1.00	5.0	>2.00	500	N	N	N
DLBH023	39 38 53	112 2 56	2.0	1.00	7.0	>2.00	700	N	N	N
DLBH024	39 37 41	112 2 6	1.5	1.00	2.0	>2.00	500	N	N	N
DLBH025	39 37 25	112 3 18	1.0	.70	2.0	>2.00	500	N	N	N
DLBH026	39 35 51	112 3 18	1.0	.70	2.0	>2.00	500	N	N	N
DLBH027	39 34 50	112 2 16	3.0	1.00	5.0	>2.00	700	N	N	N
DLBH028	39 33 44	112 1 40	1.0	1.00	5.0	1.00	300	N	N	N
DLBH029	39 31 26	112 1 22	1.5	1.50	7.0	.50	500	N	N	N
DLBH030	39 31 18	112 3 39	1.5	2.00	7.0	.50	500	N	N	N
DLBH031	39 32 8	112 5 20	1.0	.50	7.0	.30	300	N	N	N
DLBH032	39 33 50	112 5 56	1.0	.50	5.0	>2.00	1,000	N	N	N
DLBH033	39 35 45	112 5 45	2.0	1.00	5.0	>2.00	1,000	N	N	N
DLBH036	39 34 5	112 8 9	1.5	1.00	7.0	>2.00	500	N	N	N
DLBH038	39 30 0	112 13 26	5.0	2.00	7.0	>2.00	700	N	N	N
DLBH040	39 29 59	112 13 40	2.0	1.00	5.0	>2.00	700	N	N	N
DLBH041	39 30 39	112 11 52	2.0	2.00	15.0	>2.00	700	N	N	N
DLBH042	39 31 29	112 10 26	.5	.05	2.0	>2.00	200	N	N	N
DLBH043	39 32 3	112 9 46	.2	.30	1.5	>2.00	200	N	N	N
DLBH044	39 29 50	112 9 25	.7	1.00	2.0	>2.00	500	N	N	N
DLBH104	39 38 20	112 12 18	1.5	.70	15.0	>2.00	500	N	N	N
DLBH112	39 38 15	112 7 48	2.0	1.00	5.0	2.00	500	N	N	N
DLBH134	39 35 54	112 8 42	2.0	2.00	7.0	>2.00	1,000	N	N	N
DLBH135	39 36 18	112 10 19	2.0	1.00	10.0	1.50	500	N	N	N
DLBH137	39 34 8	112 11 27	3.0	3.00	10.0	2.00	700	N	N	N
DLBH139	39 32 29	112 14 27	10.0	5.00	10.0	>2.00	1,500	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLBE020	150	500	2	N	N	<10	100	<10	100	N	70	N
DLBE022	200	500	20	N	N	N	30	<10	200	N	100	N
DLBE023	100	200	10	N	N	<10	50	<10	150	N	100	N
DLBE033	50	1,000	15	N	N	N	<20	<10	300	N	N	N
DLBE034	50	1,500	5	N	N	N	20	<10	150	N	100	N
DLBE036	50	1,000	10	N	N	N	<20	<10	200	N	<50	N
DLBE038	50	500	5	N	N	<10	30	50	150	N	200	N
DLBE039	50	700	10	N	N	N	20	<10	700	N	50	N
DLBF015	150	1,000	N	100	N	<10	70	10	700	N	200	N
DLBF035	150	1,000	<2	N	N	<10	100	<10	700	N	150	N
DLBG018	100	700	<2	N	N	<10	70	10	200	N	50	20
DLBH009	200	700	<2	<20	N	<10	50	<10	200	N	50	N
DLBH014	100	100	2	30	N	<10	20	100	1,000	N	500	N
DLBH015	200	700	<2	300	N	10	70	70	300	N	300	N
DLBH016	300	1,500	5	20	N	<10	50	<10	500	N	50	N
DLBH017	150	500	5	20	N	N	50	<10	1,000	N	50	N
DLBH018	150	>10,000	<2	<20	N	<10	70	<10	700	N	100	N
DLBH019	150	7,000	5	<20	N	20	50	<10	500	N	50	N
DLBH020	100	>10,000	5	<20	N	<10	50	20	100	N	N	N
DLBH021	200	1,500	2	N	N	20	100	50	200	N	50	20
DLBH022	100	1,000	3	N	N	<10	50	10	200	N	50	N
DLBH023	50	700	5	N	N	<10	50	10	150	N	N	N
DLBH024	150	700	5	N	N	<10	50	<10	100	N	N	N
DLBH025	150	700	5	N	N	10	70	<10	100	N	50	N
DLBH026	150	1,000	<2	N	N	<10	70	<10	200	N	50	N
DLBH027	70	1,500	<2	N	N	10	70	10	150	N	<50	N
DLBH028	100	3,000	<2	N	N	<10	30	<10	50	N	<50	N
DLBH029	150	1,500	<2	N	N	<10	30	10	50	N	<50	N
DLBH030	100	700	<2	N	N	N	20	<10	<50	N	N	N
DLBH031	70	700	7	N	N	N	<20	<10	100	N	N	N
DLBH032	100	500	10	N	N	<10	20	<10	700	N	100	N
DLBH033	200	700	2	N	N	15	70	10	500	N	70	N
DLBH036	200	3,000	<2	N	N	10	70	10	500	N	150	N
DLBH038	50	2,000	<2	N	N	10	100	10	100	N	<50	<10
DLBH040	100	200	<2	N	N	10	50	10	100	N	50	<10
DLBH041	100	100	<2	N	N	<10	100	10	100	N	<50	<10
DLBH042	200	200	2	N	N	<10	70	<10	50	N	50	N
DLBH043	100	150	5	N	N	N	50	<10	50	N	<50	N
DLBH044	200	200	2	N	N	N	50	10	<50	N	<50	N
DLBH104	100	1,000	2	N	N	<10	100	20	500	N	<50	15
DLBH112	100	500	2	N	N	<10	30	10	50	N	N	N
DLBH134	300	>10,000	2	N	N	<10	100	1,000	500	N	100	10
DLBH135	100	500	<2	N	N	<10	50	10	100	N	N	<10
DLBH137	100	500	<2	N	N	<10	50	<10	100	N	N	N
DLBH139	200	7,000	N	N	N	20	100	100	200	N	50	10

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLBE020	70	N	30	N	500	150	N	300	N	>2,000	N
DLBE022	50	N	50	300	N	150	N	500	N	>2,000	500
DLBE023	20	N	20	50	N	100	N	300	N	>2,000	N
DLBE033	50	N	50	50	N	50	N	700	N	>2,000	<200
DLBE034	<20	N	50	<20	N	100	N	300	N	>2,000	N
DLBE036	20	N	50	N	N	100	N	500	N	>2,000	200
DLBE038	2,000	N	50	>2,000	N	150	N	200	N	>2,000	<200
DLBE039	30	N	70	100	N	100	N	700	N	>2,000	200
DLBF015	200	N	50	50	N	150	1,000	1,000	N	>2,000	2,000
DLBF035	200	N	50	<20	N	150	2,000	1,000	N	>2,000	5,000
DLBG018	20	N	20	N	500	150	N	500	N	>2,000	N
DLBH009	150	N	50	20	200	200	N	300	N	>2,000	N
DLBH014	15,000	200	100	100	N	300	N	1,500	N	>2,000	200
DLBH015	10,000	N	50	20	N	300	N	500	N	>2,000	<200
DLBH016	500	N	100	N	200	300	N	700	N	>2,000	300
DLBH017	20	N	70	N	500	300	N	700	N	>2,000	<200
DLBH018	200	N	50	N	500	300	N	500	N	>2,000	700
DLBH019	300	N	70	N	1,000	500	N	500	N	>2,000	1,000
DLBH020	10,000	2,000	70	200	<200	100	N	500	N	>2,000	N
DLBH021	500	N	70	N	200	500	N	500	N	>2,000	N
DLBH022	1,000	N	30	100	200	100	N	300	N	>2,000	200
DLBH023	70	N	70	N	N	150	N	500	N	>2,000	200
DLBH024	50	N	70	N	N	150	N	500	N	>2,000	200
DLBH025	50	N	50	N	N	100	N	300	N	>2,000	<200
DLBH026	20	N	70	N	N	150	N	500	N	>2,000	N
DLBH027	70	N	50	50	200	200	N	300	N	>2,000	N
DLBH028	<20	N	15	N	200	100	N	100	N	>2,000	N
DLBH029	100	N	10	N	N	100	N	50	N	>2,000	N
DLBH030	<20	N	10	N	200	100	N	50	N	>2,000	<200
DLBH031	<20	N	15	N	1,000	70	N	150	N	>2,000	<200
DLBH032	500	N	100	30	N	150	N	1,500	N	>2,000	1,000
DLBH033	150	N	100	50	N	200	N	1,000	N	>2,000	200
DLBH036	200	N	50	N	<200	200	N	300	N	>2,000	<200
DLBH038	100	N	70	70	N	200	N	1,000	N	>2,000	N
DLBH040	<20	N	50	N	--	200	N	500	N	>2,000	N
DLBH041	N	N	50	N	--	150	N	300	N	>2,000	N
DLBH042	20	N	70	20	--	150	N	1,000	N	>2,000	N
DLBH043	30	N	70	N	--	150	N	700	N	>2,000	N
DLBH044	20	N	70	N	--	150	N	1,000	N	>2,000	N
DLBH104	150	N	50	20	1,000	150	N	700	N	>2,000	N
DLBH112	20	N	20	N	N	100	N	150	N	>2,000	N
DLBH134	100	N	100	20	500	200	N	1,000	N	>2,000	N
DLBH135	20	N	20	N	<200	150	N	200	N	>2,000	N
DLBH137	70	N	20	N	<200	100	N	200	N	>2,000	N
DLBH139	1,500	N	50	N	300	300	N	500	2,000	>2,000	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLBH145	39 35 51	112 14 16	2.0	1.00	20.0	2.00	500	N	N	N
DLCA015	39 26 58	113 50 20	2.0	3.00	20.0	>2.00	1,000	N	N	N
DLCA016	39 27 45	113 48 18	10.0	5.00	10.0	2.00	1,000	N	N	N
DLCA017	39 28 31	113 48 4	5.0	3.00	10.0	>2.00	2,000	N	N	N
DLCA018	39 26 13	113 46 22	5.0	5.00	20.0	1.50	1,500	N	N	N
DLCA019	39 25 55	113 47 31	3.0	1.00	50.0	1.50	700	N	N	N
DLCA020	39 24 50	113 46 59	5.0	2.00	50.0	1.00	700	N	N	N
DLCA021	39 23 38	113 46 59	5.0	2.00	>50.0	.70	1,000	N	N	N
DLCA022	39 23 0	113 45 14	3.0	2.00	>50.0	.20	300	N	N	N
DLCA025	39 23 39	113 50 38	1.5	5.00	15.0	>2.00	500	N	N	N
DLCA026	39 22 3	113 49 55	1.5	3.00	50.0	.30	300	N	N	N
DLCA027	39 20 31	113 47 56	2.0	5.00	15.0	>2.00	500	N	N	N
DLCA028	39 20 42	113 46 51	2.0	3.00	15.0	>2.00	700	N	N	N
DLCA029	39 19 55	113 47 27	2.0	7.00	15.0	2.00	700	N	N	N
DLCA031	39 18 43	113 46 19	3.0	7.00	20.0	>2.00	1,000	N	N	N
DLCA032	39 17 38	113 45 50	2.0	1.50	50.0	.20	1,000	N	N	N
DLCA033	39 15 27	113 46 48	5.0	2.00	20.0	>2.00	1,000	N	N	N
DLCB015	39 28 34	113 40 8	1.5	3.00	20.0	.50	500	N	N	N
DLCB016	39 28 15	113 43 4	2.0	2.00	50.0	.50	700	N	N	N
DLCB017	39 27 14	113 42 36	1.5	5.00	20.0	2.00	500	N	N	N
DLCB018	39 26 57	113 41 20	1.5	5.00	20.0	>2.00	500	N	N	N
DLCB019	39 25 12	113 40 44	2.0	2.00	20.0	1.00	500	N	N	N
DLCB020	39 24 2	113 41 16	2.0	2.00	20.0	1.50	500	N	N	N
DLCB021	39 22 53	113 42 43	.7	2.00	10.0	>2.00	300	N	N	N
DLCB022	39 21 38	113 41 45	5.0	5.00	20.0	2.00	1,500	N	N	N
DLCB023	39 20 1	113 41 34	1.5	5.00	10.0	>2.00	500	N	N	N
DLCB024	39 19 15	113 43 15	3.0	1.00	50.0	.50	500	N	N	N
DLCB025	39 17 55	113 44 34	1.0	2.00	7.0	>2.00	500	N	N	N
DLCB026	39 16 31	113 44 34	1.0	1.50	7.0	>2.00	500	N	N	N
DLCB027	39 16 36	113 42 7	1.5	2.00	7.0	>2.00	500	N	N	N
DLCB028	39 17 48	113 40 51	1.0	1.50	7.0	>2.00	300	N	N	N
DLCB035	39 17 58	113 38 31	2.0	3.00	15.0	2.00	500	N	N	N
DLCB036	39 16 14	113 38 42	1.0	2.00	30.0	.30	200	N	N	N
DLCB037	39 16 18	113 36 36	2.0	2.00	10.0	>2.00	500	N	N	N
DLCB038	39 17 49	113 36 21	1.5	7.00	10.0	2.00	500	N	N	N
DLCB039	39 15 47	113 34 40	2.0	10.00	15.0	2.00	500	N	N	N
DLCC001	39 24 33	113 15 54	5.0	10.00	15.0	.70	1,500	N	N	N
DLCC002	39 23 43	113 17 34	3.0	10.00	20.0	.15	1,000	N	N	N
DLCC003	39 25 39	113 15 21	5.0	7.00	15.0	1.00	1,500	N	N	N
DLCC004	39 27 39	113 15 32	5.0	2.00	10.0	1.50	1,000	N	N	N
DLCC006	39 28 40	113 17 42	10.0	5.00	15.0	2.00	1,500	N	N	N
DLCC007	39 29 39	113 17 31	1.5	7.00	15.0	1.00	500	N	N	N
DLCC008	39 18 34	113 16 4	1.0	15.00	20.0	.10	1,000	N	N	N
DLCC009	39 20 1	113 16 37	5.0	10.00	30.0	1.00	10,000	N	N	N
DLCC011	39 22 18	113 18 50	5.0	10.00	15.0	2.00	1,000	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLBH145	200	7,000	2	N	N	N	70	10	200	N	N	N
DLCA015	200	1,000	2	N	N	<10	100	20	500	N	200	N
DLCA016	300	700	5	N	N	10	100	30	1,000	N	50	10
DLCA017	200	300	10	N	N	10	100	20	500	N	<50	N
DLCA018	150	>10,000	<2	N	N	20	100	30	500	N	50	20
DLCA019	150	1,000	2	N	N	<10	200	50	1,500	<10	150	30
DLCA020	100	2,000	N	N	N	<10	300	50	1,500	<10	50	30
DLCA021	150	2,000	N	N	N	<10	300	50	1,500	<10	N	50
DLCA022	150	300	N	N	N	N	300	50	1,500	N	N	20
DLCA025	150	500	2	N	N	N	50	<10	200	N	150	N
DLCA026	100	300	<2	N	N	N	200	30	1,000	N	N	20
DLCA027	200	300	<2	N	N	<10	100	10	100	N	100	N
DLCA028	200	300	<2	N	N	<10	50	<10	50	N	<50	N
DLCA029	150	10,000	<2	N	N	N	50	<10	100	N	<50	N
DLCA031	200	1,000	<2	N	N	N	300	15	500	N	100	N
DLCA032	200	700	2	N	N	N	2,000	20	500	N	N	20
DLCA033	150	500	2	N	N	N	100	10	200	N	50	N
DLCB015	100	500	<2	N	N	N	500	20	200	N	N	<10
DLCB016	100	300	2	N	N	N	1,000	20	300	N	N	30
DLCB017	100	200	5	N	N	N	200	10	200	N	N	N
DLCB018	150	10,000	<2	N	N	N	150	10	200	N	N	N
DLCB019	100	200	<2	N	N	N	150	10	200	N	<50	N
DLCB020	100	500	<2	N	N	N	150	15	200	N	N	N
DLCB021	100	500	N	N	N	N	70	<10	100	N	<50	N
DLCB022	100	300	N	N	N	<10	300	30	200	N	50	<10
DLCB023	150	500	<2	N	N	N	100	<10	150	N	50	N
DLCB024	150	200	<2	N	N	N	100	20	150	N	N	20
DLCB025	150	300	<2	N	N	N	50	30	70	N	50	N
DLCB026	150	200	<2	N	N	N	50	<10	100	N	70	N
DLCB027	200	200	<2	N	N	N	70	<10	100	N	<50	N
DLCB028	200	3,000	N	N	N	N	200	<10	50	N	50	N
DLCB035	200	10,000	N	N	N	N	70	20	100	N	N	15
DLCB036	150	2,000	N	N	N	N	200	30	1,000	N	N	50
DLCB037	150	300	<2	N	N	N	100	10	200	N	70	N
DLCB038	100	300	<2	N	N	N	50	10	100	N	100	N
DLCB039	70	200	<2	N	N	N	50	10	100	N	50	N
DLCC001	100	500	2	N	N	10	70	20	<50	N	N	N
DLCC002	70	100	<2	N	N	<10	<20	10	<50	N	N	N
DLCC003	100	700	2	N	N	10	50	10	<50	N	50	N
DLCC004	150	700	2	N	N	15	70	15	50	N	50	N
DLCC006	150	1,000	5	N	N	30	70	30	50	N	50	50
DLCC007	70	>10,000	2	N	N	N	<20	<10	<50	N	N	N
DLCC008	50	2,000	N	N	N	<10	<20	10	<50	N	N	N
DLCC009	100	7,000	2	N	N	70	50	10	50	N	N	N
DLCC011	70	500	N	N	N	50	30	<10	50	N	100	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLBH145	500	N	30	20	700	100	N	700	N	>2,000	N
DLCA015	20	N	50	30	1,000	200	N	1,500	N	>2,000	N
DLCA016	20	N	50	<20	10,000	200	N	500	N	>2,000	N
DLCA017	50	N	50	30	<200	200	N	1,000	N	>2,000	<200
DLCA018	20	N	30	N	1,500	150	N	500	N	>2,000	N
DLCA019	<20	N	10	<20	2,000	200	N	1,500	N	>2,000	N
DLCA020	<20	N	10	N	2,000	200	N	1,500	N	>2,000	N
DLCA021	30	N	10	N	5,000	200	N	1,500	N	>2,000	<200
DLCA022	20	N	<10	N	2,000	150	N	1,000	N	>2,000	N
DLCA025	20	N	20	<20	1,000	150	N	500	N	>2,000	N
DLCA026	<20	N	<10	N	2,000	150	N	1,500	N	>2,000	N
DLCA027	20	N	20	N	500	150	N	300	N	>2,000	N
DLCA028	20	N	30	N	N	150	N	500	N	>2,000	N
DLCA029	<20	N	20	N	2,000	100	N	300	N	>2,000	500
DLCA031	100	N	30	<20	500	150	N	1,000	N	>2,000	<200
DLCA032	20	N	10	N	1,000	100	N	500	N	>2,000	N
DLCA033	20	N	70	70	<200	200	N	1,000	N	>2,000	N
DLCB015	<20	N	<10	N	1,000	150	N	500	N	>2,000	N
DLCB016	20	N	<10	50	1,000	200	N	500	N	>2,000	<200
DLCB017	20	N	20	N	500	100	N	500	N	>2,000	N
DLCB018	20	N	30	N	7,000	100	N	500	N	>2,000	N
DLCB019	<20	N	10	N	1,000	100	N	500	N	>2,000	N
DLCB020	<20	N	10	N	<200	100	N	500	N	>2,000	N
DLCB021	20	N	30	N	N	150	N	500	N	>2,000	N
DLCB022	50	N	20	N	N	150	N	700	N	>2,000	N
DLCB023	<20	N	50	N	<200	150	N	500	N	>2,000	N
DLCB024	20	N	<10	N	1,000	150	N	200	N	>2,000	N
DLCB025	2,000	N	30	N	N	150	N	300	N	>2,000	N
DLCB026	30	N	50	N	N	150	N	500	N	>2,000	N
DLCB027	70	N	50	50	N	150	N	500	N	>2,000	N
DLCB028	20	N	50	N	N	150	N	500	N	>2,000	N
DLCB035	500	N	20	20	3,000	150	N	300	N	>2,000	N
DLCB036	<20	N	15	N	5,000	150	N	1,000	N	>2,000	N
DLCB037	<20	N	50	50	<200	150	N	500	N	>2,000	N
DLCB038	20	N	20	N	200	100	N	300	N	>2,000	N
DLCB039	<20	N	15	N	200	100	N	200	N	>2,000	N
DLCC001	200	N	15	N	N	150	N	150	N	>2,000	N
DLCC002	50	N	N	N	N	70	N	20	N	1,000	N
DLCC003	30	N	20	N	<200	200	N	200	N	>2,000	N
DLCC004	500	N	30	N	200	150	N	200	N	>2,000	N
DLCC006	100	N	50	N	200	150	N	300	N	>2,000	N
DLCC007	2,000	N	20	N	1,500	200	N	200	N	>2,000	N
DLCC008	150	N	N	N	<200	50	N	<20	N	>2,000	N
DLCC009	100	N	20	N	500	300	N	100	N	>2,000	N
DLCC011	20	N	<10	N	200	100	N	70	N	>2,000	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLCC012	39 18 12	113 18 3	5.0	5.00	20.0	.70	1,500	N	N	N
DLCC013	39 16 13	113 19 4	5.0	3.00	20.0	1.00	1,000	N	N	N
DLCC014	39 16 17	113 16 44	1.5	2.00	20.0	.30	7,000	N	N	N
DLCC015	39 16 10	113 20 20	7.0	2.00	20.0	2.00	2,000	N	N	N
DLCC016	39 17 13	113 20 49	5.0	2.00	50.0	2.00	1,000	N	N	N
DLCC017	39 20 40	113 18 7	10.0	2.00	20.0	2.00	5,000	N	N	N
DLCC018	39 20 13	113 21 7	5.0	2.00	10.0	>2.00	5,000	N	N	N
DLCC019	39 20 52	113 22 58	10.0	1.00	10.0	2.00	2,000	N	N	N
DLCC020	39 21 56	113 22 58	3.0	5.00	10.0	>2.00	1,000	N	N	N
DLCC021	39 22 0	113 21 39	5.0	3.00	15.0	>2.00	2,000	N	N	N
DLCC025	39 24 27	113 22 19	2.0	2.00	7.0	>2.00	500	N	N	N
DLCC029	39 29 41	113 22 4	1.0	1.00	5.0	>2.00	1,000	N	N	N
DLCC033	39 17 29	113 24 25	2.0	1.50	7.0	2.00	700	N	N	N
DLCD003	39 22 15	113 1 15	1.0	1.00	10.0	.20	300	N	N	N
DLCD016	39 18 34	113 14 16	1.0	10.00	10.0	1.00	500	N	N	N
DLCD017	39 19 57	113 13 48	1.5	10.00	10.0	.30	500	N	N	N
DLCD018	39 19 26	113 11 27	1.0	10.00	10.0	.70	500	N	N	N
DLCD021	39 20 50	113 10 55	1.5	10.00	10.0	.70	500	N	N	N
DLCD022	39 22 18	113 10 58	1.5	10.00	10.0	.30	500	N	N	N
DLCD023	39 22 17	113 12 32	1.5	10.00	10.0	1.00	500	N	N	N
DLCD035	39 29 58	113 8 2	2.0	2.00	10.0	.20	500	N	N	N
DLCD036	39 29 24	113 6 54	1.5	2.00	10.0	.20	500	N	N	N
DLCD037	39 28 15	113 6 36	1.0	2.00	7.0	.15	300	N	N	N
DLCD038	39 27 1	113 6 32	3.0	5.00	10.0	.70	1,000	N	N	N
DLCD040	39 27 27	113 4 15	2.0	3.00	10.0	.20	700	N	N	N
DLCD041	39 26 20	113 3 39	2.0	1.50	7.0	.20	1,000	N	N	N
DLCD042	39 24 39	113 3 7	3.0	2.00	7.0	.50	700	N	N	N
DLCD043	39 25 31	113 2 20	2.0	2.00	10.0	.20	500	N	N	N
DLCD044	39 23 47	113 2 20	2.0	1.50	10.0	.20	700	N	N	N
DLCD045	39 28 0	113 1 1	1.5	1.50	10.0	.15	500	N	N	N
DLCE021	39 27 56	112 59 2	2.0	1.50	10.0	.50	700	N	N	N
DLCE022	39 29 10	112 59 27	2.0	7.00	10.0	.50	1,000	N	N	N
DLCE023	39 26 0	112 58 22	2.0	1.50	15.0	1.00	1,000	N	N	N
DLCE024	39 24 11	112 57 50	2.0	1.50	15.0	2.00	700	N	N	N
DLCE025	39 23 12	112 57 21	1.0	1.00	10.0	.70	500	N	N	N
DLCE026	39 25 55	112 56 52	1.0	1.00	10.0	.50	500	N	N	N
DLCE027	39 27 53	112 56 6	1.5	2.00	10.0	.50	500	N	N	N
DLCE028	39 29 45	112 56 6	2.0	3.00	10.0	1.50	700	N	N	N
DLCE118	39 21 45	112 58 12	.5	1.00	7.0	.20	200	N	N	N
DLCG001	39 21 27	112 21 36	1.0	1.00	7.0	>2.00	500	N	N	N
DLCG003	39 21 10	112 15 43	2.0	.50	2.0	2.00	700	N	N	N
DLCG006	39 22 14	112 18 50	1.0	.50	2.0	>2.00	500	N	N	N
DLCG007	39 24 4	112 19 1	1.5	.70	2.0	>2.00	500	N	N	N
DLCG008	39 24 34	112 16 55	2.0	.50	2.0	>2.00	500	N	N	N
DLCG010	39 25 46	112 19 19	1.0	.70	2.0	>2.00	300	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLCC012	100	1,000	2	N	N	10	20	15	70	N	N	N
DLCC013	100	500	2	N	N	10	20	10	50	N	<50	N
DLCC014	100	500	--	N	N	10	20	10	50	N	N	N
DLCC015	100	1,500	2	N	N	30	20	20	100	N	50	20
DLCC016	100	1,500	3	N	N	15	20	10	100	N	150	N
DLCC017	200	1,000	2	N	N	50	20	20	100	N	50	10
DLCC018	200	10,000	5	N	N	100	70	30	1,500	N	200	100
DLCC019	150	2,000	5	N	N	15	50	30	200	N	100	10
DLCC020	200	1,000	5	N	N	10	50	10	500	N	50	N
DLCC021	200	5,000	5	N	N	30	70	50	1,000	N	100	10
DLCC025	300	7,000	7	N	N	20	50	20	100	N	150	N
DLCC029	200	>10,000	7	N	N	N	50	10	<50	100	50	N
DLCC033	100	5,000	5	N	N	<10	20	15	200	N	150	N
DLCD003	50	1,000	<2	N	N	<10	<20	<10	<50	N	N	N
DLCD016	100	1,500	2	N	N	N	<20	30	100	N	<50	N
DLCD017	100	500	<2	N	N	<10	30	10	50	N	N	N
DLCD018	70	1,000	<2	N	N	<10	20	<10	100	N	50	N
DLCD021	70	1,000	<2	N	N	N	50	<10	100	N	50	N
DLCD022	70	200	<2	N	N	N	20	20	50	N	N	N
DLCD023	70	200	<2	N	N	<10	20	<10	150	N	N	N
DLCD035	50	500	<2	N	N	<10	50	<10	<50	N	N	N
DLCD036	100	500	3	N	N	<10	30	<10	<50	N	N	N
DLCD037	70	500	2	N	N	<10	<20	<10	N	N	N	N
DLCD038	100	500	2	N	N	10	50	<10	50	N	<50	N
DLCD040	70	700	2	N	N	<10	<20	<10	70	N	N	N
DLCD041	70	1,000	2	N	N	<10	<20	<10	50	N	N	N
DLCD042	70	>10,000	<2	N	N	<10	50	<10	<50	<10	N	N
DLCD043	50	>10,000	<2	N	N	<10	<20	<10	<50	N	N	N
DLCD044	50	>10,000	3	N	N	<10	<20	<10	50	N	N	N
DLCD045	50	5,000	<2	N	N	<10	<20	<10	<50	N	N	N
DLCE021	100	2,000	3	N	N	10	30	10	70	N	N	N
DLCE022	50	500	<2	N	N	10	100	<10	<50	N	N	10
DLCE023	500	7,000	2	N	N	10	30	<10	700	N	50	<10
DLCE024	50	>10,000	<2	N	N	<10	50	<10	300	N	N	<10
DLCE025	50	>10,000	<2	N	N	<10	30	<10	150	N	N	N
DLCE026	50	5,000	2	N	N	<10	20	<10	100	N	N	N
DLCE027	100	1,000	<2	N	N	<10	30	<10	<50	N	N	N
DLCE028	70	1,000	<2	N	N	15	100	30	100	N	<50	<10
DLCE118	30	5,000	<2	N	N	10	<20	<10	50	N	N	N
DLCG001	200	300	2	N	N	<10	70	10	200	N	100	N
DLCG003	200	500	2	N	N	10	20	10	50	N	50	N
DLCG006	100	100	2	N	N	N	70	<10	100	N	50	N
DLCG007	200	200	<2	N	N	<10	100	<10	100	N	100	N
DLCG008	200	150	<2	N	N	<10	100	10	100	N	70	N
DLCG010	200	1,500	<2	N	N	N	50	30	<50	N	70	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLCC012	20	N	<10	N	300	100	N	70	N	>2,000	N
DLCC013	1,000	N	<10	100	500	70	N	100	N	>2,000	N
DLCC014	20	N	N	N	200	70	N	50	N	>2,000	N
DLCC015	100	N	<10	N	200	100	N	100	N	>2,000	N
DLCC016	200	N	<10	N	N	150	N	200	N	>2,000	N
DLCC017	20	N	10	N	N	150	N	200	N	>2,000	N
DLCC018	300	N	70	N	1,000	100	N	1,000	N	>2,000	300
DLCC019	150	N	30	N	<200	100	N	500	N	>2,000	N
DLCC020	100	N	70	N	N	100	N	1,000	N	>2,000	<200
DLCC021	150	N	70	N	500	100	N	1,000	N	>2,000	<200
DLCC025	50	N	70	N	1,000	100	N	700	N	>2,000	<200
DLCC029	500	N	100	N	1,500	100	N	1,000	N	>2,000	200
DLCC033	500	N	50	N	1,000	100	N	500	N	>2,000	<200
DLCD003	20	N	<10	N	1,000	20	N	30	N	>2,000	N
DLCD016	1,500	N	20	N	200	70	N	300	N	>2,000	N
DLCD017	100	N	10	N	<200	70	N	150	N	>2,000	N
DLCD018	100	N	10	100	<200	100	N	200	N	>2,000	N
DLCD021	20	N	10	N	200	100	N	200	N	>2,000	N
DLCD022	200	N	10	N	<200	70	N	100	N	>2,000	N
DLCD023	20	N	10	N	<200	70	N	200	N	>2,000	N
DLCD035	<20	N	<10	N	1,000	50	N	50	N	>2,000	N
DLCD036	<20	N	<10	N	1,000	50	N	70	N	>2,000	N
DLCD037	20	N	<10	N	1,000	30	N	30	N	>2,000	N
DLCD038	20	N	15	N	1,000	100	N	150	N	>2,000	N
DLCD040	20	N	10	N	1,000	50	N	100	N	>2,000	N
DLCD041	20	N	10	N	1,000	50	N	150	N	>2,000	N
DLCD042	N	N	10	N	3,000	100	N	100	N	>2,000	N
DLCD043	<20	N	<10	N	1,000	100	N	50	N	>2,000	N
DLCD044	50	N	<10	N	2,000	70	N	50	N	>2,000	N
DLCD045	N	N	<10	N	1,000	50	N	50	N	>2,000	N
DLCE021	70	N	20	N	1,000	100	N	200	N	>2,000	N
DLCE022	20	N	20	N	300	100	N	150	N	>2,000	N
DLCE023	20	N	50	N	1,000	150	N	500	N	>2,000	N
DLCE024	20	N	30	N	300	100	N	700	N	>2,000	N
DLCE025	<20	N	20	N	1,500	50	N	200	N	>2,000	N
DLCE026	100	N	20	N	1,500	70	N	200	N	>2,000	N
DLCE027	N	N	<10	N	700	50	N	100	N	>2,000	N
DLCE028	<20	N	30	N	500	200	N	200	N	>2,000	N
DLCE118	150	N	<10	N	700	30	N	100	N	>2,000	N
DLCG001	1,000	N	50	<20	N	150	N	500	N	>2,000	N
DLCG003	20	N	10	N	N	200	N	200	N	>2,000	N
DLCG006	50	N	50	N	N	70	N	500	N	>2,000	N
DLCG007	700	N	50	N	N	100	N	500	N	>2,000	N
DLCG008	<20	N	70	N	N	150	N	500	N	>2,000	N
DLCG010	<20	N	20	N	N	100	N	200	N	>2,000	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLCG023	39 28 18	112 15 46	1.5	.70	5.0	>2.00	300	N	N	N
DLCG024	39 26 39	112 15 21	3.0	.50	2.0	>2.00	500	N	N	N
DLCG031	39 17 37	112 23 34	3.0	1.50	7.0	>2.00	1,000	N	N	N
DLCG032	39 17 8	112 17 42	2.0	.70	2.0	>2.00	500	N	N	N
DLCG034	39 16 24	112 21 54	.7	.70	2.0	>2.00	300	N	N	N
DLCG035	39 18 28	112 21 57	1.0	.50	2.0	>2.00	500	N	N	N
DLCG037	39 17 25	112 27 46	5.0	.20	5.0	>2.00	1,000	N	N	N
DLCG108	39 29 46	112 16 3	3.0	1.00	7.0	>2.00	1,500	N	N	N
DLCH002	39 21 34	112 12 3	2.0	.30	.5	>2.00	300	N	N	N
DLCH004	39 19 15	112 14 38	2.0	.50	1.0	>2.00	500	N	N	N
DLCH005	39 26 36	112 12 18	3.0	.50	1.0	>2.00	300	N	N	N
DLCH009	39 29 17	112 4 37	2.0	3.00	10.0	>2.00	700	N	N	N
DLCH010	39 29 4	112 1 30	1.0	1.00	7.0	>2.00	300	N	N	N
DLCH014	39 24 18	112 1 40	2.0	1.00	7.0	>2.00	500	N	N	N
DLCH015	39 22 35	112 1 58	3.0	1.50	7.0	>2.00	700	N	N	N
DLCH016	39 20 55	112 1 58	7.0	5.00	10.0	2.00	1,500	N	N	N
DLCH017	39 20 21	112 3 25	5.0	5.00	20.0	2.00	1,000	N	N	N
DLCH019	39 16 32	112 5 52	5.0	5.00	10.0	2.00	1,000	N	N	N
DLCH020	39 16 10	112 4 40	10.0	5.00	10.0	2.00	1,000	N	N	N
DLCH023	39 18 37	112 7 44	2.0	.70	5.0	>2.00	500	N	N	N
DLCH024	39 20 4	112 8 13	2.0	1.00	5.0	>2.00	500	N	N	N
DLCH025	39 21 37	112 8 9	1.0	1.00	7.0	>2.00	300	N	N	N
DLCH027	39 24 15	112 6 28	3.0	1.50	5.0	>2.00	700	N	N	N
DLCH028	39 24 57	112 7 55	2.0	1.00	2.0	>2.00	700	N	N	N
DLCH029	39 25 55	112 8 31	5.0	2.00	7.0	2.00	500	N	N	N
DLCH031	39 26 40	112 6 28	7.0	2.00	7.0	>2.00	1,000	N	N	N
DLCH032	39 27 15	112 7 12	5.0	2.00	5.0	>2.00	1,000	N	N	N
DLCH033	39 28 20	112 7 51	1.0	1.00	5.0	>2.00	500	N	N	N
DLCH034	39 25 49	112 3 28	1.0	1.00	7.0	>2.00	500	N	N	N
DLCH035	39 24 25	112 3 21	2.0	1.50	7.0	>2.00	700	N	N	N
DLCH036	39 22 3	112 4 44	2.0	1.50	10.0	>2.00	700	N	N	N
DLCH037	39 18 56	112 5 52	2.0	1.00	3.0	2.00	500	N	N	N
DLDA006	39 6 43	113 56 24	1.0	10.00	15.0	.50	500	N	N	N
DLDA010	39 8 32	113 54 43	.7	10.00	10.0	.70	300	N	N	N
DLDA011	39 10 3	113 55 26	1.0	10.00	10.0	1.00	300	N	N	N
DLDA013	39 10 17	113 51 25	2.0	3.00	7.0	>2.00	300	N	N	N
DLDA026	39 4 38	113 50 24	1.0	2.00	7.0	>2.00	300	N	N	N
DLDA030	39 2 57	113 45 28	1.0	2.00	10.0	2.00	300	N	N	N
DLDA032	39 5 2	113 45 32	2.0	2.00	20.0	.50	500	N	N	N
DLDA033	39 6 23	113 45 54	.7	1.50	7.0	>2.00	300	N	N	N
DLDA034	39 5 30	113 49 30	1.0	3.00	10.0	>2.00	500	N	N	N
DLDA035	39 6 37	113 48 18	1.0	2.00	5.0	>2.00	300	N	N	N
DLDA036	39 8 25	113 46 8	1.5	10.00	10.0	1.00	500	N	N	N
DLDA037	39 8 23	113 47 56	2.0	5.00	7.0	>2.00	500	N	N	N
DLDA038	39 10 9	113 47 34	3.0	2.00	7.0	>2.00	500	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLCG023	200	500	2	N	N	<10	70	10	70	N	50	N
DLCG024	150	1,000	2	N	N	<10	70	<10	70	N	50	N
DLCG031	500	500	2	N	N	10	150	<10	1,000	N	100	10
DLCG032	200	300	2	N	N	<10	70	30	200	N	<50	<10
DLCG034	100	300	3	N	N	<10	50	<10	100	N	50	N
DLCG035	100	200	2	N	N	N	70	<10	100	N	<50	N
DLCG037	150	300	2	N	N	20	100	<10	150	N	100	50
DLCG108	200	500	<2	N	N	<10	100	20	100	N	100	N
DLCH002	50	700	3	N	N	<10	50	200	70	N	70	N
DLCH004	1,000	700	<2	N	N	<10	50	<10	<50	N	100	N
DLCH005	200	200	<2	N	N	10	100	<10	<50	N	50	N
DLCH009	150	500	N	N	N	<10	70	10	300	N	<50	N
DLCH010	200	>10,000	<2	N	N	<10	50	20	200	N	200	N
DLCH014	200	10,000	<2	N	N	10	100	10	100	N	100	N
DLCH015	200	>10,000	<2	N	N	10	70	20	200	N	150	N
DLCH016	100	10,000	<2	N	N	30	70	30	50	N	50	N
DLCH017	300	>10,000	<2	N	N	100	20	20	N	N	N	N
DLCH019	500	10,000	2	N	N	10	70	70	100	N	70	10
DLCH020	200	7,000	2	N	N	20	300	100	300	N	50	100
DLCH023	200	5,000	<2	N	N	<10	50	15	150	N	100	N
DLCH024	200	1,000	2	N	N	<10	70	10	100	N	N	N
DLCH025	200	200	<2	N	N	<10	50	20	50	N	100	N
DLCH027	200	300	20	N	N	10	100	10	<50	N	150	N
DLCH028	200	150	2	N	N	<10	100	10	100	N	50	10
DLCH029	200	500	<2	N	N	10	70	20	100	N	100	<10
DLCH031	200	700	5	N	N	20	100	10	300	N	300	N
DLCH032	300	3,000	2	N	N	20	100	10	100	N	150	10
DLCH033	300	500	3	N	N	10	20	10	150	N	100	N
DLCH034	200	1,500	<2	N	N	N	70	<10	500	N	150	N
DLCH035	500	1,000	<2	N	N	10	100	10	1,000	N	150	N
DLCH036	700	100	2	N	N	10	100	10	700	N	100	N
DLCH037	200	1,000	<2	N	N	<10	30	10	70	N	70	N
DLDA006	50	100	<2	N	N	N	20	<10	70	N	N	N
DLDA010	50	70	<2	N	N	N	20	50	<50	N	N	N
DLDA011	50	200	<2	N	N	N	20	<10	<50	N	<50	N
DLDA013	150	1,000	<2	N	N	N	50	10	<50	N	100	N
DLDA026	150	300	<2	N	N	N	100	10	50	N	<50	N
DLDA030	150	200	<2	N	N	N	70	<10	200	N	<50	N
DLDA032	150	300	N	N	N	N	150	30	1,000	N	N	50
DLDA033	150	300	<2	N	N	N	50	<10	70	N	<50	N
DLDA034	200	200	N	N	N	N	100	10	100	N	100	N
DLDA035	200	150	N	N	N	N	100	<10	70	N	50	N
DLDA036	100	150	N	N	N	N	50	10	70	N	N	N
DLDA037	100	200	<2	N	N	N	100	<10	100	N	N	N
DLDA038	150	200	N	N	N	N	100	10	200	N	50	10

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLCG023	20	N	100	N	N	150	N	1,000	N	>2,000	N
DLCG024	<20	N	100	N	N	200	N	1,000	N	>2,000	N
DLCG031	50	N	100	<20	N	200	N	1,500	N	>2,000	<200
DLCG032	20	N	70	70	N	150	N	1,000	N	>2,000	N
DLCG034	300	N	100	N	N	1,500	N	1,000	N	>2,000	<200
DLCG035	20	N	100	N	N	100	N	700	N	>2,000	N
DLCG037	2,000	N	50	N	N	200	N	700	N	>2,000	N
DLCG108	200	N	50	N	N	150	N	500	N	>2,000	N
DLCH002	15,000	N	70	<20	N	100	N	700	N	>2,000	N
DLCH004	N	N	20	N	N	100	N	200	N	>2,000	N
DLCH005	20	N	100	<20	N	150	N	500	N	>2,000	N
DLCH009	30	N	50	N	N	200	N	1,000	N	>2,000	N
DLCH010	1,000	N	20	150	1,500	150	N	200	N	>2,000	N
DLCH014	200	N	70	150	200	150	N	500	N	>2,000	N
DLCH015	5,000	N	50	N	1,000	200	N	500	N	>2,000	N
DLCH016	300	N	30	500	200	300	N	300	N	>2,000	N
DLCH017	N	N	10	N	200	200	N	200	N	>2,000	N
DLCH019	2,000	N	20	20	500	200	N	200	1,500	>2,000	N
DLCH020	1,000	N	50	50	<200	200	N	500	N	>2,000	N
DLCH023	20	N	50	N	1,000	150	N	500	N	>2,000	N
DLCH024	20	N	70	N	500	300	N	700	N	>2,000	N
DLCH025	50	N	70	N	N	150	N	1,000	N	>2,000	N
DLCH027	<20	N	100	N	N	300	N	700	N	>2,000	N
DLCH028	20	N	70	N	N	150	N	500	N	>2,000	N
DLCH029	20	N	20	N	N	150	N	200	N	>2,000	N
DLCH031	20	N	100	N	N	500	N	700	N	>2,000	N
DLCH032	20	N	50	N	N	300	N	500	N	>2,000	N
DLCH033	20	N	50	N	N	300	N	500	N	>2,000	N
DLCH034	100	N	30	N	300	150	N	500	1,000	>2,000	N
DLCH035	70	N	70	N	200	150	N	500	N	>2,000	N
DLCH036	20	N	50	N	1,000	200	N	500	N	>2,000	N
DLCH037	50	N	20	N	<200	100	N	300	N	>2,000	N
DLDA006	<20	N	<10	N	N	100	N	200	N	>2,000	N
DLDA010	<20	N	10	N	N	100	N	200	N	>2,000	N
DLDA011	<20	N	10	70	<200	70	N	200	N	>2,000	N
DLDA013	20	N	50	<20	N	150	N	300	N	>2,000	N
DLDA026	70	N	50	100	N	150	N	300	N	>2,000	N
DLDA030	<20	N	20	N	1,000	100	N	300	N	>2,000	N
DLDA032	<20	N	20	N	3,000	150	N	1,000	N	>2,000	N
DLDA033	20	N	30	N	<200	100	N	300	N	>2,000	N
DLDA034	20	N	50	N	N	200	N	1,000	N	>2,000	N
DLDA035	50	N	70	N	N	200	N	700	N	>2,000	N
DLDA036	150	N	20	200	N	150	N	300	N	>2,000	N
DLDA037	100	N	50	100	N	100	N	500	N	>2,000	N
DLDA038	100	N	50	150	<200	150	N	500	N	>2,000	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLDA039	39 11 4	113 46 30	5.0	3.00	5.0	>2.00	500	N	N	N
DLDA040	39 12 15	113 45 39	1.5	1.00	15.0	2.00	500	N	N	N
DLDA041	39 14 3	113 46 4	2.0	3.00	15.0	>2.00	700	N	N	N
DLDA042	39 14 13	113 48 46	3.0	5.00	20.0	>2.00	700	N	N	N
DLDA043	39 12 41	113 49 12	1.0	1.00	10.0	>2.00	1,000	N	N	N
DLDA044	39 12 6	113 50 49	3.0	1.00	10.0	>2.00	1,000	N	N	N
DLDA046	39 7 7	113 51 39	1.5	7.00	10.0	2.00	700	N	N	N
DLDA047	39 6 45	113 53 2	2.0	10.00	15.0	1.50	500	N	N	N
DLDB002	39 5 17	113 33 21	1.0	20.00	20.0	.20	300	N	N	N
DLDB006	39 8 56	113 32 52	1.0	15.00	20.0	.70	500	N	N	N
DLDB007	39 10 6	113 34 19	1.0	20.00	20.0	.30	500	N	N	N
DLDB011	39 14 11	113 34 51	1.5	10.00	20.0	.50	500	N	N	N
DLDB012	39 12 35	113 35 9	1.0	10.00	20.0	.20	500	N	N	N
DLDB014	39 10 22	113 39 7	1.5	10.00	20.0	1.00	500	N	N	N
DLDB015	39 10 52	113 40 26	2.0	5.00	20.0	.70	500	N	N	N
DLDB016	39 12 28	113 39 7	1.5	3.00	30.0	.50	300	N	N	N
DLDB018	39 13 19	113 40 12	1.5	2.00	15.0	2.00	500	N	N	N
DLDB019	39 11 54	113 40 58	1.0	1.00	50.0	.15	300	N	N	N
DLDB020	39 11 23	113 43 22	5.0	2.00	30.0	1.00	500	N	N	N
DLDB021	39 10 1	113 43 15	2.0	1.50	10.0	>2.00	500	N	N	N
DLDB022	39 8 9	113 43 26	2.0	5.00	10.0	>2.00	700	N	N	N
DLDB023	39 6 52	113 44 6	1.5	7.00	10.0	>2.00	500	N	N	N
DLDB024	39 3 57	113 41 16	2.0	5.00	10.0	>2.00	700	N	N	N
DLDB025	39 8 17	113 39 18	2.0	7.00	10.0	2.00	500	N	N	N
DLDB026	39 7 23	113 38 16	7.0	7.00	10.0	>2.00	2,000	N	N	N
DLDB027	39 7 58	113 36 18	2.0	10.00	15.0	1.50	500	N	N	N
DLDB028	39 3 23	113 38 2	2.0	5.00	10.0	2.00	500	N	N	N
DLDB029	39 2 38	113 36 50	2.0	1.50	10.0	>2.00	500	N	N	N
DLDB030	39 2 56	113 41 20	2.0	10.00	10.0	>2.00	500	N	N	N
DLDB031	39 1 41	113 42 10	2.0	7.00	10.0	1.50	700	N	N	N
DLDB032	39 0 36	113 43 8	1.0	3.00	7.0	>2.00	500	N	N	N
DLDB033	39 3 29	113 42 54	2.0	7.00	10.0	>2.00	700	N	N	N
DLDB034	39 4 19	113 43 48	3.0	10.00	10.0	>2.00	1,000	N	N	N
DLDB035	39 4 47	113 41 6	2.0	15.00	10.0	2.00	700	N	N	N
DLDB036	39 4 35	113 36 0	3.0	10.00	10.0	>2.00	1,000	N	N	N
DLDB037	39 5 5	113 36 0	1.5	10.00	20.0	.50	500	N	N	N
DLDC001	39 4 51	113 15 36	1.0	2.00	7.0	1.00	300	N	N	N
DLDC002	39 6 40	113 16 15	2.0	2.00	7.0	1.50	500	N	N	N
DLDC003	39 7 16	113 18 46	5.0	1.00	5.0	>2.00	1,000	N	N	N
DLDC004	39 6 42	113 20 20	3.0	2.00	7.0	2.00	1,000	5	N	N
DLDC005	39 5 33	113 19 40	5.0	2.00	7.0	>2.00	1,000	N	N	N
DLDC006	39 7 56	113 20 42	5.0	5.00	10.0	1.50	1,500	N	N	N
DLDC007	39 8 42	113 18 50	2.0	2.00	10.0	1.00	1,000	N	N	N
DLDC010	39 8 44	113 16 1	2.0	2.00	7.0	2.00	1,000	N	N	N
DLDC012	39 10 26	113 18 50	3.0	3.00	10.0	1.00	1,000	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLDA039	500	500	N	N	N	10	300	20	100	N	70	N
DLDA040	300	1,000	2	N	N	<10	100	<10	700	N	N	<10
DLDA041	150	200	N	N	N	10	200	10	500	N	70	10
DLDA042	200	300	N	N	N	N	50	10	50	N	100	N
DLDA043	300	200	2	N	N	N	100	10	50	N	50	N
DLDA044	300	150	2	N	N	N	50	10	100	N	200	N
DLDA046	150	1,000	<2	N	N	N	20	10	<50	N	N	N
DLDA047	100	100	N	N	N	N	20	<10	<50	N	N	N
DLDB002	50	150	N	N	N	N	<20	<10	<50	N	N	N
DLDB006	50	100	N	N	N	N	20	<10	50	N	N	N
DLDB007	50	50	N	N	N	N	<20	<10	<50	N	N	N
DLDB011	50	200	7	N	N	N	<20	<10	<50	N	N	N
DLDB012	50	200	N	N	N	N	<20	<10	50	N	N	N
DLDB014	100	7,000	N	N	N	N	20	<10	<50	N	N	N
DLDB015	200	10,000	N	N	N	<10	50	<10	70	N	N	N
DLDB016	200	10,000	<2	N	N	N	70	10	500	N	N	20
DLDB018	100	200	<2	N	N	<10	100	<10	200	N	50	N
DLDB019	200	200	<2	N	N	N	100	20	700	N	N	50
DLDB020	200	10,000	N	N	N	10	100	20	500	N	50	70
DLDB021	150	500	150	N	N	<10	50	<10	100	N	70	N
DLDB022	200	5,000	<2	N	N	<10	70	10	300	N	70	<10
DLDB023	150	200	<2	N	N	<10	50	<10	150	N	50	N
DLDB024	200	200	<2	N	N	<10	50	<10	500	N	150	N
DLDB025	200	300	<2	N	N	N	50	<10	100	N	70	N
DLDB026	300	300	<2	N	N	20	200	15	500	N	100	30
DLDB027	100	500	<2	N	N	<10	50	<10	50	N	<50	N
DLDB028	150	1,500	<2	N	N	N	30	<10	70	N	<50	N
DLDB029	100	>10,000	<2	N	N	N	30	<10	300	N	100	N
DLDB030	100	7,000	N	N	N	N	50	<10	70	N	50	N
DLDB031	200	500	<2	N	N	N	30	10	300	N	100	N
DLDB032	150	500	<2	N	N	N	30	<10	200	N	100	N
DLDB033	150	500	N	N	N	<10	50	<10	300	N	150	N
DLDB034	200	500	N	N	N	15	100	500	300	N	100	10
DLDB035	150	5,000	N	N	N	<10	50	150	200	N	50	N
DLDB036	200	500	<2	N	N	10	100	10	300	N	70	10
DLDB037	50	3,000	<2	N	N	N	<20	30	50	N	N	N
DLDC001	70	1,000	2	N	N	<10	<20	<10	100	N	<50	N
DLDC002	100	500	<2	N	N	10	50	10	200	N	70	N
DLDC003	100	1,000	2	N	N	20	70	10	500	<10	100	N
DLDC004	200	300	2	N	N	15	50	200	300	10	100	N
DLDC005	150	700	2	N	N	20	70	10	700	<10	100	N
DLDC006	150	200	2	N	N	20	100	20	100	N	150	20
DLDC007	200	100	2	700	N	10	20	10	500	1,500	<50	N
DLDC010	200	500	2	100	N	10	50	<10	200	1,000	100	N
DLDC012	150	1,000	2	<20	N	20	30	30	500	30	100	20

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLDA039	500	N	50	N	N	150	N	500	N	>2,000	N
DLDA040	150	N	50	N	1,000	100	N	1,000	N	>2,000	N
DLDA041	30	N	50	N	1,500	150	N	1,000	N	>2,000	N
DLDA042	20	N	50	70	N	200	N	700	N	>2,000	N
DLDA043	200	N	50	500	N	300	N	500	N	>2,000	N
DLDA044	50	N	50	100	N	300	N	700	N	>2,000	N
DLDA046	20	N	10	N	N	100	N	200	N	>2,000	N
DLDA047	5,000	N	10	N	N	150	N	200	N	>2,000	N
DLDB002	700	N	N	N	5,000	50	N	100	N	>2,000	N
DLDB006	<20	N	<10	N	N	70	N	150	N	>2,000	N
DLDB007	<20	N	<10	N	N	50	N	100	N	>2,000	N
DLDB011	<20	N	<10	N	N	50	N	200	N	>2,000	N
DLDB012	<20	N	N	N	N	50	N	100	N	>2,000	N
DLDB014	20	N	20	N	N	70	N	150	N	>2,000	N
DLDB015	<20	N	10	N	300	100	N	150	N	>2,000	N
DLDB016	<20	N	10	N	2,000	100	N	500	N	>2,000	N
DLDB018	50	N	20	N	300	100	N	500	N	>2,000	N
DLDB019	<20	N	50	N	10,000	100	N	1,000	N	1,000	N
DLDB020	100	N	30	70	10,000	150	N	1,000	N	>2,000	N
DLDB021	20	N	30	N	<200	150	N	300	N	>2,000	N
DLDB022	20	N	30	70	2,000	150	N	300	N	>2,000	N
DLDB023	20	N	20	N	N	100	N	300	N	>2,000	N
DLDB024	30	N	50	20	N	200	N	500	N	>2,000	N
DLDB025	30	N	15	N	N	100	N	300	N	>2,000	N
DLDB026	150	N	70	<20	N	200	N	500	N	>2,000	<200
DLDB027	20	N	20	N	N	100	N	300	N	>2,000	N
DLDB028	<20	N	20	N	<200	100	N	200	N	>2,000	N
DLDB029	1,000	7,000	50	N	10,000	150	N	500	N	>2,000	N
DLDB030	50	N	20	N	1,000	100	N	200	N	>2,000	N
DLDB031	<20	N	20	N	N	150	N	500	N	>2,000	N
DLDB032	<20	N	20	<20	N	100	N	200	N	>2,000	N
DLDB033	20	N	20	<20	N	150	N	300	N	>2,000	N
DLDB034	100	N	50	<20	N	150	N	300	N	>2,000	N
DLDB035	20	N	20	N	200	100	N	200	N	>2,000	N
DLDB036	70	N	50	50	<200	150	N	300	N	>2,000	N
DLDB037	30	N	10	N	<200	70	N	150	N	>2,000	N
DLDC001	<20	N	50	N	500	100	N	300	N	>2,000	N
DLDC002	<20	N	50	N	200	150	N	300	N	>2,000	200
DLDC003	200	N	70	<20	<200	200	N	500	N	>2,000	300
DLDC004	100	N	50	100	500	150	200	500	N	>2,000	200
DLDC005	50	N	70	20	<200	200	N	500	N	>2,000	200
DLDC006	20	N	30	20	200	200	N	200	N	>2,000	N
DLDC007	50	N	50	20	200	100	10,000	300	N	>2,000	200
DLDC010	50	N	50	70	<200	150	7,000	500	N	>2,000	500
DLDC012	500	N	30	>2,000	500	200	<100	300	N	>2,000	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLDC013	39 12 5	113 16 33	7.0	2.00	10.0	1.00	2,000	N	N	N
DLDC014	39 12 42	113 18 25	--	--	--	--	--	--	--	--
DLDC015	39 12 40	113 21 7	5.0	2.00	10.0	.50	1,000	N	N	N
DLDC016	39 11 51	113 22 48	2.0	5.00	15.0	.30	500	N	N	N
DLDC017	39 14 2	113 20 56	3.0	3.00	10.0	>2.00	500	N	N	N
DLDC018	39 13 36	113 17 49	5.0	3.00	10.0	>2.00	1,500	N	N	N
DLDC019	39 14 18	113 16 22	7.0	3.00	7.0	>2.00	2,000	N	N	N
DLDC020	39 14 15	113 23 52	3.0	7.00	20.0	2.00	1,000	N	N	N
DLDC028	39 8 21	113 26 31	3.0	5.00	20.0	.70	1,000	N	N	N
DLDC030	39 5 53	113 26 27	2.0	7.00	10.0	>2.00	700	N	N	N
DLDC033	39 3 13	113 28 30	2.0	15.00	20.0	>2.00	700	N	N	N
DLDC034	39 5 53	113 26 13	2.0	7.00	15.0	2.00	500	N	N	N
DLDC035	39 1 9	113 25 51	2.0	7.00	15.0	>2.00	500	N	N	N
DLDC038	39 1 28	113 21 18	1.0	7.00	10.0	2.00	500	N	N	N
DLDC039	39 2 56	113 20 45	2.0	7.00	10.0	2.00	1,000	N	N	N
DLDC040	39 4 29	113 22 51	3.0	5.00	10.0	>2.00	1,000	N	N	N
DLDC041	39 4 44	113 21 25	2.0	5.00	10.0	>2.00	500	N	N	N
DLDC042	39 5 59	113 23 6	10.0	7.00	20.0	>2.00	2,000	N	N	N
DLDC043	39 2 21	113 18 43	1.0	10.00	30.0	.50	2,000	N	N	N
DLDC044	39 1 8	113 18 50	1.0	7.00	10.0	2.00	500	N	N	N
DLDC045	39 1 5	113 16 37	1.0	3.00	10.0	2.00	500	N	N	N
DLDC046	39 3 3	113 16 12	3.0	2.00	7.0	>2.00	700	N	N	N
DLDC103	39 7 16	113 18 46	2.0	10.00	20.0	1.00	500	N	N	N
DLDE005	39 7 0	112 54 25	1.0	1.50	7.0	>2.00	500	N	N	N
DLDE007	39 4 26	112 56 20	1.0	1.00	5.0	>2.00	500	N	N	N
DLDE009	39 2 41	112 58 6	1.0	1.00	5.0	>2.00	300	N	N	N
DLDE010	39 0 25	112 58 15	1.5	1.00	2.0	>2.00	300	N	N	N
DLDE011	39 1 18	112 57 7	1.5	.50	1.0	>2.00	300	N	N	N
DLDE012	39 2 43	112 56 27	1.5	1.00	2.0	>2.00	500	N	N	N
DLDE013	39 4 22	112 53 56	3.0	1.00	5.0	>2.00	700	N	N	N
DLDE014	39 2 36	112 53 45	3.0	2.00	7.0	>2.00	1,000	N	N	N
DLDE015	39 0 42	112 53 49	1.5	.50	1.0	>2.00	500	N	N	N
DLDE016	39 0 40	112 51 10	2.0	.70	1.0	>2.00	500	N	N	N
DLDE017	39 2 22	112 50 52	1.0	.50	1.0	>2.00	300	N	N	N
DLDE019	39 2 38	112 49 12	1.5	.70	1.5	>2.00	300	N	N	N
DLDE022	39 4 26	112 45 28	3.0	3.00	7.0	>2.00	1,500	N	N	N
DLDE023	39 4 33	112 49 22	1.0	1.00	7.0	>2.00	500	N	N	N
DLDE025	39 6 8	112 51 3	1.0	.50	5.0	>2.00	300	N	N	N
DLDH001	39 3 43	112 11 9	1.0	5.00	10.0	>2.00	300	N	N	N
DLDH002	39 3 6	112 9 25	1.5	5.00	10.0	2.00	500	N	N	N
DLDH004	39 1 59	112 12 50	1.0	1.50	5.0	>2.00	300	N	N	N
DLDH005	39 1 24	112 11 31	.7	5.00	7.0	>2.00	300	N	N	N
DLDH007	39 5 15	112 11 9	1.0	.50	1.0	>2.00	300	N	N	N
DLDH009	39 6 45	112 11 24	2.0	5.00	10.0	5.00	700	N	N	N
DLDH012	39 9 27	112 11 6	1.5	1.50	2.0	>2.00	500	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLDC013	100	5,000	2	30	N	50	50	30	500	50	70	70
DLDC014	--	--	--	--	--	--	--	--	--	--	--	--
DLDC015	50	7,000	3	N	N	10	20	30	70	50	50	N
DLDC016	100	>10,000	2	N	N	<10	50	30	<50	200	N	N
DLDC017	100	>10,000	2	N	N	10	70	30	200	700	200	N
DLDC018	200	5,000	2	N	N	20	70	20	500	50	100	10
DLDC019	200	2,000	2	N	N	20	70	20	500	20	100	20
DLDC020	100	>10,000	<2	30	N	N	70	30	<50	<10	100	N
DLDC028	200	1,500	5	70	N	N	50	10	<50	500	N	<10
DLDC030	100	700	2	N	N	N	30	<10	500	50	<50	N
DLDC033	70	150	<2	N	N	N	20	10	150	N	100	N
DLDC034	70	300	<2	N	N	<10	20	<10	150	N	N	N
DLDC035	70	100	<2	N	N	N	20	<10	500	N	100	N
DLDC038	100	10,000	<2	N	N	N	<20	30	100	<10	<50	N
DLDC039	100	700	<2	N	N	<10	20	<10	200	N	<50	N
DLDC040	100	1,000	2	N	N	10	50	10	500	N	100	N
DLDC041	100	500	<2	N	N	N	20	10	100	N	50	N
DLDC042	200	1,000	2	N	N	20	100	20	500	N	300	N
DLDC043	70	3,000	N	N	N	10	20	50	50	N	N	N
DLDC044	50	700	<2	N	N	N	20	<10	50	N	N	N
DLDC045	100	500	2	N	N	<10	<20	10	100	N	N	N
DLDC046	100	700	<2	N	N	<10	30	10	300	N	<50	N
DLDC103	100	100	N	N	N	N	20	<10	100	N	70	N
DLDE005	200	>10,000	2	N	N	<10	100	10	500	N	100	N
DLDE007	200	5,000	5	N	N	<10	70	30	150	N	100	N
DLDE009	200	7,000	7	N	N	<10	70	10	150	N	70	N
DLDE010	500	7,000	10	N	N	<10	100	10	200	N	50	N
DLDE011	300	1,500	10	N	N	<10	70	<10	150	N	50	N
DLDE012	500	1,500	7	N	N	<10	100	10	200	N	<50	N
DLDE013	500	1,500	5	N	N	10	100	10	200	N	<50	N
DLDE014	300	2,000	5	N	N	<10	100	10	200	N	100	N
DLDE015	300	1,000	10	N	N	N	50	<10	100	N	50	N
DLDE016	500	1,000	10	N	N	<10	70	<10	100	N	50	N
DLDE017	500	5,000	15	N	N	N	70	<10	100	N	<50	N
DLDE019	500	5,000	10	N	N	N	100	<10	200	N	50	N
DLDE022	300	5,000	2	N	N	<10	100	100	1,000	N	100	N
DLDE023	1,000	3,000	7	N	N	N	100	<10	300	N	70	N
DLDE025	300	7,000	7	N	N	N	70	<10	100	N	70	N
DLDH001	500	500	2	N	N	<10	50	10	50	N	70	N
DLDH002	200	300	2	50	N	<10	30	10	<50	N	N	N
DLDH004	500	700	3	N	N	N	70	<10	100	N	50	N
DLDH005	300	500	2	N	N	N	100	10	100	N	100	N
DLDH007	500	300	3	--	N	N	50	<10	70	N	N	N
DLDH009	200	500	2	N	N	N	50	10	100	N	100	N
DLDH012	200	500	2	N	N	<10	100	30	70	N	50	50

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLDC013	50	N	30	N	500	200	1,000	200	N	>2,000	N
DLDC014	--	--	--	--	--	--	--	--	--	--	--
DLDC015	<20	N	<10	N	500	150	5,000	50	500	>2,000	N
DLDC016	20	N	<10	N	3,000	500	2,000	20	N	2,000	N
DLDC017	50	N	15	N	2,000	500	700	70	N	>2,000	N
DLDC018	20	N	70	N	200	300	500	500	N	>2,000	200
DLDC019	20	N	70	N	<200	300	100	500	N	>2,000	<200
DLDC020	1,500	N	10	100	2,000	700	N	30	N	>2,000	N
DLDC028	50	N	10	N	2,000	300	20,000	50	N	>2,000	<200
DLDC030	20	N	70	N	200	150	700	500	N	>2,000	200
DLDC033	20	N	10	N	N	100	N	500	N	>2,000	N
DLDC034	20	N	10	20	2,000	150	N	300	N	>2,000	N
DLDC035	<20	N	20	<20	N	150	N	500	N	>2,000	N
DLDC038	20	N	50	N	1,000	100	N	300	N	>2,000	N
DLDC039	20	N	50	N	200	100	N	300	N	>2,000	<200
DLDC040	20	N	70	<20	200	200	N	500	N	>2,000	<200
DLDC041	20	N	50	N	<200	100	N	500	N	>2,000	<200
DLDC042	50	N	100	N	200	500	N	700	N	>2,000	200
DLDC043	20	N	10	N	5,000	700	N	100	N	>2,000	N
DLDC044	<20	N	20	N	300	100	N	200	N	>2,000	N
DLDC045	<20	N	30	N	200	100	N	300	N	>2,000	500
DLDC046	30	N	70	N	<200	200	N	500	N	>2,000	<200
DLDC103	50	N	10	N	700	100	N	200	N	>2,000	N
DLDE005	50	N	70	N	5,000	200	N	500	N	>2,000	<200
DLDE007	50	N	100	N	<200	150	N	1,000	N	>2,000	<200
DLDE009	70	N	100	N	<200	100	N	1,500	N	>2,000	500
DLDE010	100	N	200	N	N	100	N	2,000	N	>2,000	<200
DLDE011	70	N	150	30	N	150	N	1,500	N	>2,000	<200
DLDE012	70	N	150	N	N	150	N	1,500	N	>2,000	<200
DLDE013	30	N	100	<20	N	150	N	1,000	N	>2,000	<200
DLDE014	70	N	150	N	N	150	N	1,500	N	>2,000	<200
DLDE015	50	N	150	N	N	150	N	1,500	N	>2,000	<200
DLDE016	70	N	200	N	N	100	N	1,500	N	>2,000	<200
DLDE017	70	N	>200	N	N	150	N	2,000	N	>2,000	<200
DLDE019	50	N	>200	N	<200	150	N	2,000	N	>2,000	200
DLDE022	100	N	100	20	<200	200	N	1,000	N	>2,000	500
DLDE023	70	N	200	N	<200	150	N	2,000	N	>2,000	200
DLDE025	50	N	200	N	<200	150	N	2,000	N	>2,000	<200
DLDH001	150	N	70	20	N	150	N	500	N	>2,000	N
DLDH002	20,000	N	50	200	N	100	N	300	N	>2,000	N
DLDH004	1,000	N	100	N	500	150	N	1,000	N	>2,000	200
DLDH005	200	N	100	N	N	100	N	1,000	N	>2,000	N
DLDH007	50	N	100	N	N	100	N	1,000	N	>2,000	<200
DLDH009	200	N	50	N	N	200	N	500	N	>2,000	N
DLDH012	50	N	100	N	N	150	N	1,000	N	>2,000	300

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Latitude	Longitude	Fe-pct. s	Mg-pct. s	Ca-pct. s	Ti-pct. s	Mn-ppm s	Ag-ppm s	As-ppm s	Au-ppm s
DLDH013	39 9 18	112 13 33	.7	1.50	5.0	>2.00	700	N	N	N
DLDH014	39 13 39	112 12 3	1.0	2.00	10.0	>2.00	1,000	N	N	N
DLDH016	39 13 19	112 13 40	.3	.70	1.0	>2.00	300	N	N	N
DLDH017	39 14 59	112 13 4	.5	.20	.5	>2.00	300	N	N	N
DLDH020	39 11 23	112 9 18	2.0	5.00	7.0	>2.00	500	N	N	N
DLDH021	39 13 18	112 9 3	.5	7.00	10.0	1.00	300	N	N	N
DLDH024	39 14 27	112 4 26	2.0	5.00	10.0	1.50	500	N	N	N
DLDH025	39 13 36	112 3 46	3.0	2.00	7.0	>2.00	500	N	N	N
DLDH026	39 13 17	112 6 7	2.0	5.00	10.0	.50	500	N	N	N
DLDH028	39 9 36	112 3 46	1.5	1.50	5.0	>2.00	300	N	N	N
DLDH029	39 11 2	112 1 37	5.0	5.00	10.0	>2.00	700	N	N	N
DLDH030	39 9 54	112 1 40	7.0	7.00	15.0	2.00	1,000	N	N	N
DLDH031	39 11 19	112 4 40	2.0	7.00	15.0	2.00	500	N	N	N
DLDH032	39 7 30	112 3 10	2.0	10.00	15.0	>2.00	500	N	N	N
DLDH033	39 7 27	112 1 19	5.0	5.00	7.0	>2.00	500	N	N	N
DLDH034	39 5 39	112 1 48	2.0	5.00	15.0	.70	1,500	N	N	N
DLDH035	39 4 2	112 1 55	1.0	7.00	15.0	.50	500	N	N	N
DLDH036	39 0 46	112 1 12	5.0	10.00	15.0	.30	1,500	N	N	N
DLDH037	39 1 29	112 3 39	1.0	5.00	15.0	1.00	300	N	N	N
DLDH038	39 1 4	112 5 20	1.0	1.00	5.0	>2.00	300	N	N	N
DLDH039	39 3 4	112 5 6	.7	2.00	7.0	>2.00	200	N	N	N
DLDH041	39 5 21	112 5 45	1.0	10.00	15.0	.50	300	N	N	N
DLDH043	39 7 17	112 7 6	3.0	2.00	7.0	2.00	500	N	N	N
DLDH111	39 7 55	112 1 37	1.0	1.00	7.0	>2.00	700	N	N	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	B-ppm s	Ba-ppm s	Be-ppm s	Bi-ppm s	Cd-ppm s	Co-ppm s	Cr-ppm s	Cu-ppm s	La-ppm s	Mo-ppm s	Nb-ppm s	Ni-ppm s
DLDH013	200	100	5	N	N	N	70	10	150	N	50	N
DLDH014	100	100	5	N	N	N	20	10	150	N	50	N
DLDH016	200	100	2	N	N	N	20	<10	50	N	N	10
DLDH017	200	500	5	N	N	N	70	<10	50	N	70	N
DLDH020	300	200	5	N	N	10	70	<10	100	N	70	50
DLDH021	150	200	<2	N	N	N	<20	15	50	N	<50	N
DLDH024	150	5,000	<2	N	N	<10	20	10	70	N	50	N
DLDH025	200	1,500	<2	N	N	10	70	15	100	N	100	50
DLDH026	200	2,000	<2	N	N	<10	20	15	N	N	N	N
DLDH028	500	1,000	2	N	N	<10	50	<10	70	N	50	N
DLDH029	500	500	2	N	N	20	70	30	100	N	100	70
DLDH030	100	7,000	<2	N	N	20	50	30	100	N	<50	70
DLDH031	150	1,500	2	N	N	<10	100	20	<50	N	<50	10
DLDH032	200	5,000	<2	N	N	<10	100	30	50	N	70	<10
DLDH033	200	1,000	2	N	N	15	70	30	150	N	100	30
DLDH034	150	700	<2	N	N	<10	50	20	50	N	N	N
DLDH035	100	500	<2	N	N	N	20	<10	<50	N	N	N
DLDH036	200	700	<2	N	N	20	200	30	<50	N	N	150
DLDH037	100	5,000	<2	N	N	N	20	10	N	N	N	N
DLDH038	700	500	5	N	N	<10	100	<10	100	N	70	N
DLDH039	200	10,000	5	N	N	N	100	<10	100	N	70	N
DLDH041	100	700	N	N	N	N	<20	<10	N	N	N	N
DLDH043	500	700	<2	N	N	<10	20	20	50	N	50	N
DLDH111	500	10,000	<2	N	N	<10	100	10	500	N	200	N

TABLE 2. RESULTS OF ANALYSES OF HEAVY-MINERAL CONCENTRATE SAMPLES--Continued

Sample	Pb-ppm s	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
DLDH013	100	N	70	N	--	200	N	700	N	>2,000	N
DLDH014	20	N	70	N	--	200	N	1,000	N	>2,000	N
DLDH016	<20	N	70	N	--	100	N	1,000	N	>2,000	N
DLDH017	50	N	150	N	--	150	N	1,500	N	>2,000	N
DLDH020	1,500	N	100	N	N	100	N	1,000	N	>2,000	N
DLDH021	200	N	20	100	500	50	N	200	N	>2,000	N
DLDH024	20	N	10	N	N	100	N	150	N	>2,000	N
DLDH025	20	N	50	N	<200	150	N	500	N	>2,000	N
DLDH026	300	N	<10	N	N	100	N	100	N	>2,000	N
DLDH028	50	N	50	N	<200	150	N	500	N	>2,000	N
DLDH029	50	N	50	N	N	150	N	500	N	>2,000	N
DLDH030	30	N	20	20	<200	150	N	200	N	>2,000	N
DLDH031	30	N	20	N	<200	100	N	200	N	>2,000	N
DLDH032	500	N	20	N	<200	100	N	300	N	>2,000	N
DLDH033	150	N	70	N	N	200	N	700	N	>2,000	N
DLDH034	<20	N	100	N	N	100	N	70	N	>2,000	N
DLDH035	700	N	<10	N	N	70	N	50	N	>2,000	N
DLDH036	<20	N	N	N	1,000	100	N	70	N	>2,000	N
DLDH037	N	N	<10	N	N	70	N	150	N	>2,000	N
DLDH038	700	N	100	20	N	150	N	1,500	N	>2,000	N
DLDH039	50	N	150	N	<200	150	N	1,500	N	>2,000	N
DLDH041	<20	N	<10	N	N	50	N	70	N	>2,000	N
DLDH043	150	N	30	N	N	100	N	300	N	>2,000	N
DLDH111	300	--	70	<20	500	150	N	500	N	>2,000	200