

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ANALYSES OF THE HEAVY-MINERAL FRACTIONS OF DRAINAGE SEDIMENTS,
RICHFIELD 1° X 2° QUADRANGLE, UTAH

by

J. M. Motooka, J. B. McHugh, and W. M. Miller

Open-File Report 79-1699

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INTRODUCTION

A regional geochemical survey was conducted in the Richfield 1° x 2° quadrangle during the summer, 1978. Samples collected included the heavy-mineral fraction and the less than 180 microns fraction of drainage sediments, rocks, and waters. This report is limited to the results of the analyses of the heavy-mineral fraction of the drainage sediments. The heavy-mineral fraction was magnetically separated into a nonmagnetic and a magnetic fraction. Data for the nonmagnetic fraction are in table 1, and the data for the magnetic fraction are in table 2. The analytical data were entered into and stored in the U.S. Geological Survey computer storage system (RASS) (Van Trump and Miesch, 1977).

COLLECTION OF SAMPLES

Samples of drainage sediment were collected from streams which ranged from 1.67 to 3.3 kilometers (1-2 miles) in length. Composite samples were taken by collecting four or five samples across and along the active channel. Sample density was one sample/8 km² (1 sample/3 mi²). The geochemical sampling was carried out by W. R. Miller, J. B. McHugh, G. K. Lee, J. F. Guadagnoli, L. DiGuardia, J. D. Tucker, and R. E. Tucker.

PREPARATION OF SAMPLES

The drainage sediments were first panned to reduce the bulk.. Most of the drainages were dry so the samples were panned at the field laboratory. About 50 percent of the pan concentrate samples were analyzed in the mobile field laboratory and about 50 percent were prepared and analyzed at the U.S. Geological laboratory in Golden, Colorado. The preparation and analyses was carried out by J. M. Motooka, J. B. McHugh, J. D. Tucker, R. E. Tucker, and J. F. Guadagnoli.

Each sample was dried and sieved to minus-18-mesh (1.00 mm) and magnetite was removed with a hand magnet. The concentrate was then separated at a specific gravity of 2.86 with bromoform into a light fraction and a heavy fraction. The light fraction was discarded. The heavy-mineral fraction was separated electromagnetically by the Frantz^{1/} isodynamic separator with forward and side angle settings of 15 degrees and an ampere setting of 0.2. The magnetic fraction at 0.2 amperes was discarded and nonmagnetic fraction further separated electromagnetically at a setting of 0.6 amperes. The latter two fractions were analyzed.

^{1/} Use of brand names in this report is for descriptive purposes only and does not constitute endorsement by the U.S. Geological Survey.

ANALYTICAL PROCEDURES

Each sample was analyzed semiquantitatively for 30 elements by a 6-step, D. C. arc, optical emission spectrographic method (Grimes and Marranzino, 1968). Gold is the only element sought but not detected in any of the samples and does not appear in the tables. All values are reported as six steps per order of magnitude (1, 0.7, 0.5, 0.3, 0.15, or multiples of 10 of these numbers) and are approximate geometric midpoints of the concentration ranges. The precision is shown to be within one adjoining reporting interval on each side of the reported value 83 percent of the time and within two adjoining intervals on each side of the reported value 96 percent of the time (Motooka and Grimes, 1976).

The emission spectrographic method used has been described by Grimes and Marranzino (1968); because of the enhancement of iron, titanium, and zirconium in heavy-mineral concentrates, however, a modification was necessary. The sample was mixed with equal amounts of spectrographically pure quartz to reduce spectral interferences. Consequently, the lower limits of determination are double those of the normal procedure, except for Ag, As, Bi, Mo, Sb, Sn, W, and Th. When traces of these elements were observed but were below the detection limit, the reported value was extrapolated down to the next reporting interval.

EXPLANATION OF TABLES

Iron, magnesium, calcium, and titanium values are reported in percent; all other elements are in parts per million. The letter preceding chemical symbols indicates the method of analysis: S, 6-step semiquantitative spectrographic method. Other symbols shown on table are as follows: N, not detected; <, amount detected is below the lowest limit of determination, which is figure shown; and >, amount detected is above the highest limit of determination, which is the figure shown.

TABLE 1. NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE

Sample	LATITUDE		LONGITUDE		S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0001CV31	38 22	5	113 6	11	3.00	3.00	20.00	.200	3,000	.7	N	100	300
0002CV24	38 44	17	113 3	19	2.00	.70	1.50	>2.000	500	N	N	3,000	2,000
0003CV24	38 42	34	113 4	13	.50	15.00	20.00	.150	300	N	N	100	100
0004CV24	38 41	32	113 6	40	10.00	10.00	15.00	>2.000	700	N	N	500	1,000
0007CV24	38 30	5	113 7	24	10.00	.70	1.00	2.000	1,000	N	N	500	1,000
0008CV24	38 40	32	113 8	1	2.00	.50	1.50	2.000	500	N	N	200	300
0009CV24	38 30	34	113 9	32	20.00	1.00	.30	1.500	3,000	N	N	300	1,000
0010CV24	38 37	45	113 8	38	1.00	5.00	10.00	.300	300	N	N	100	300
0011CV24	38 38	3	113 14	11	10.00	1.00	2.00	>2.000	500	N	N	500	700
0012CV24	38 38	28	113 14	27	5.00	1.00	2.00	>2.000	1,000	N	N	1,000	1,000
0013CV24	38 37	27	113 15	50	20.00	5.00	3.00	2.000	700	N	N	300	1,000
0014CV24	38 37	25	113 15	49	10.00	3.00	5.00	2.000	700	N	N	500	700
0015CV24	38 37	26	113 15	52	15.00	5.00	10.00	>2.000	700	N	N	500	700
0017CV24	38 35	26	113 16	36	10.00	.50	.70	2.000	1,500	N	N	300	700
0018CV24	38 33	43	113 17	33	15.00	5.00	7.00	>2.000	1,000	N	N	300	700
0019CV24	38 32	56	113 17	28	20.00	7.00	3.00	>2.000	2,000	N	N	300	700
0020CV31	38 24	40	113 19	3	2.00	5.00	10.00	.500	1,000	N	N	30	500
0021CV31	38 23	1	113 17	45	5.00	2.00	5.00	>2.000	3,000	N	N	50	>10,000
0022CV31	38 24	54	113 15	18	2.00	3.00	5.00	1.000	1,000	N	N	70	500
0023CV31	38 17	32	113 19	44	2.00	2.00	20.00	>2.000	3,000	N	N	100	300
0024CV31	38 16	32	113 19	34	5.00	7.00	15.00	>2.000	3,000	N	N	70	300
0025CV31	38 15	52	113 18	51	2.00	3.00	10.00	.700	1,500	N	N	50	500
0026CV31	38 20	23	113 25	57	2.00	7.00	10.00	2.000	2,000	N	N	50	500
0027CV31	38 21	53	113 28	4	7.00	10.00	15.00	1.500	5,000	N	N	50	500
0028CV31	38 15	25	113 28	33	5.00	2.00	10.00	>2.000	3,000	N	N	100	300
0029CV32	38 17	29	113 32	57	.50	15.00	30.00	.300	500	N	N	<20	70
0030CV32	38 17	34	113 32	48	.30	15.00	20.00	.070	150	N	N	20	50
0031CV33	38 1	14	113 50	47	5.00	.50	1.00	>2.000	5,000	N	700	100	300
0032CV33	38 1	10	113 59	2	3.00	2.00	1.50	.700	5,000	N	300	150	1,000
0033CV33	38 2	30	113 59	45	2.00	.50	5.00	.700	300	N	N	30	1,000
0034CV33	38 0	16	113 49	17	3.00	3.00	10.00	2.000	1,000	N	N	70	500
0035CV33	38 3	14	113 47	7	7.00	5.00	7.00	2.000	500	N	N	20	>10,000
0036CV33	38 2	17	113 45	47	5.00	.50	2.00	2.000	5,000	N	N	70	100
0037CV33	38 2	17	113 45	47	10.00	1.00	5.00	1.500	5,000	N	N	30	100
0038CV33	38 2	16	113 45	39	7.00	.70	5.00	>2.000	3,000	N	N	70	300
0039CN33	38 3	22	113 49	40	15.00	1.50	3.00	>2.000	1,500	N	N	20	3,000
0040CN33	38 3	22	113 49	21	15.00	.70	3.00	>2.000	700	N	N	50	5,000
0041CN33	38 3	23	113 47	25	7.00	.70	2.00	>2.000	500	N	N	30	>10,000
0042CN33	38 1	52	113 47	5	15.00	1.00	2.00	2.000	3,000	N	N	30	1,000
0043CN33	38 1	20	113 46	9	20.00	1.50	2.00	2.000	5,000	N	N	30	200
0044CN33	38 3	53	113 47	6	5.00	.50	1.00	1.000	1,500	N	N	50	150
0045CN33	38 3	56	113 47	13	10.00	.70	3.00	.500	1,000	1.5	300	20	>10,000
0046CN33	38 3	48	113 47	8	7.00	5.00	7.00	2.000	500	N	N	20	>10,000
0047CN33	38 4	48	113 47	24	3.00	15.00	15.00	1.500	500	N	N	<20	200
0048CN33	38 6	23	113 45	32	10.00	.50	7.00	2.000	5,000	N	N	70	700

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE

Sample	S-RF	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0001CN31	2.0	N	N	30	200	70	70	7	N	15	100
0004CN24	7.0	N	N	N	300	20	300	N	<50	N	150
0005CN24	N	N	N	<10	20	<10	N	N	N	<10	N
0006CN24	2.0	N	N	20	150	15	200	N	50	10	70
0007CN24	3.0	N	N	20	300	20	150	N	<50	20	70
0008CN24	2.0	N	N	10	70	<10	70	N	<50	<10	20
0009CN24	5.0	N	N	30	300	50	150	N	<50	100	100
0010CN24	2.0	N	N	N	100	15	N	N	N	<10	30
0011CN24	3.0	N	N	15	200	15	300	N	70	10	100
0012CN24	3.0	N	N	N	300	100	200	N	50	N	100
0013CN24	3.0	N	N	20	200	30	150	N	50	30	50
0014CN24	3.0	N	N	20	300	20	200	N	<50	15	50
0015CN24	3.0	N	N	20	300	20	200	N	<50	20	100
0017CN24	5.0	N	N	50	150	50	200	N	<50	20	70
0018CN24	2.0	N	N	30	500	30	700	N	<50	20	100
0019CN24	<2.0	N	N	N	500	50	100	N	50	20	50
0020CN31	<2.0	N	N	20	100	10	100	N	N	50	N
0021CN31	5.0	N	N	10	700	20	1,000	N	70	30	300
0022CN31	<2.0	N	N	20	700	20	150	N	N	70	300
0023CN31	<2.0	N	N	20	700	15	1,500	N	100	10	50
0024CN31	<2.0	N	N	50	3,000	15	300	N	50	200	20
0025CN31	<2.0	N	N	20	1,500	10	150	N	50	50	<20
0026CN31	<2.0	N	N	30	2,000	10	300	10	100	70	<20
0027CN31	N	N	N	50	5,000	20	150	N	50	200	<20
0028CN31	3.0	N	N	30	500	<10	1,500	7	150	10	100
0029CN32	N	N	N	N	<20	<10	<50	N	N	N	N
0030CN32	<2.0	N	N	N	<20	<10	N	N	N	<10	N
0031CN33	10.0	30	N	<10	20	<10	1,000	30	200	N	2,000
0032CN33	7.0	N	N	<10	20	10	500	15	100	N	500
0033CN33	3.0	N	N	N	<20	N	<50	N	N	N	50
0034CN33	<2.0	N	N	N	1,000	<10	>2,000	N	N	150	500
0035CN33	2.0	N	N	20	30	20	200	15	50	N	100
0036CN33	7.0	N	N	N	20	<10	150	20	300	N	70
0037CN33	5.0	N	N	10	50	10	500	50	300	N	70
0038CN33	2.0	15	N	N	70	20	1,000	20	150	N	500
0039CN33	<2.0	N	N	50	70	20	200	30	50	50	100
0040CN33	2.0	N	N	20	150	15	300	7	<50	N	70
0041CN33	2.0	N	N	20	20	15	300	20	100	N	50
0042CN33	<2.0	N	N	30	300	20	300	N	<50	20	70
0043CN33	5.0	N	N	10	30	10	1,000	50	300	N	100
0044CN33	3.0	N	N	10	20	<10	300	30	150	N	50
0045CN33	7.0	N	N	30	20	70	500	150	100	10	500
0046CN33	2.0	N	N	N	50	15	200	20	50	N	70
0047CN33	N	N	N	N	<20	<10	N	10	50	N	70
0048CN33	5.0	N	N	<10	50	20	700	10	70	N	5,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE

sample	S-SR	S-SV	S-SR	S-SV	S-W	S-V	S-Y	S-ZN	S-ZR	S-TH
0001CN31	N	N	700	70	N	70	150	N	700	N
0004CN24	N	N	N	300	N	N	1,500	N	>2,000	N
0005CN24	N	N	300	50	N	50	50	N	2,000	N
0006CN24	N	N	300	150	N	150	300	N	>2,000	N
0007CN24	N	N	700	300	N	300	150	N	>2,000	N
0008CN24	N	N	700	100	N	100	200	N	>2,000	N
0009CN24	N	N	300	300	N	300	150	N	>2,000	N
0010CN24	N	N	N	70	N	70	20	N	1,500	N
0011CN24	N	15	700	300	N	300	500	N	>2,000	N
0012CN24	N	N	700	300	N	300	700	N	>2,000	N
0013CN24	N	N	700	300	N	300	200	N	2,000	N
0014CN24	N	N	700	200	N	200	300	N	>2,000	N
0015CN24	N	N	300	300	N	300	500	N	>2,000	N
0017CN24	N	70	300	300	N	300	200	N	>2,000	N
0018CN24	N	N	200	300	N	300	300	N	>2,000	N
0019CN24	N	N	N	200	N	200	150	N	>2,000	N
0020CN31	N	N	700	200	N	200	150	N	>2,000	N
0021CN31	N	20	700	500	N	500	500	N	>2,000	N
0022CN31	N	200	700	200	N	200	200	N	>2,000	N
0023CN31	N	30	1,000	300	N	300	700	N	>2,000	N
0024CN31	N	10	200	300	N	300	500	N	>2,000	N
0025CN31	N	300	1,000	100	N	100	150	N	>2,000	N
0026CN31	N	20	700	200	N	200	500	N	>2,000	N
0027CN31	N	N	500	300	N	300	300	N	>2,000	N
0028CN31	N	1,000	<200	150	N	150	2,000	N	>2,000	N
0029CN32	N	N	N	50	N	50	50	N	>2,000	N
0030CN32	N	N	N	50	N	N	N	N	150	N
0031CN33	N	200	N	100	N	100	3,000	N	>2,000	700
0032CN33	150	>2,000	N	100	N	100	500	N	>2,000	200
0033CN33	N	N	1,500	100	N	100	70	N	>2,000	N
0034CN33	N	70	200	200	N	200	700	N	>2,000	2,000
0035CN33	N	1,000	700	200	N	200	150	N	>2,000	N
0036CN33	N	70	N	70	N	70	700	N	>2,000	150
0037CN33	N	150	N	100	N	100	700	N	>2,000	150
0038CN33	N	>2,000	N	150	N	150	1,500	N	>2,000	300
0039CN33	N	N	300	300	N	300	100	N	>2,000	N
0040CN33	N	70	300	500	N	500	300	N	>2,000	N
0041CN33	N	N	700	150	N	150	200	N	>2,000	N
0042CN33	N	N	500	500	N	500	200	N	>2,000	N
0043CN33	N	20	N	100	N	100	500	N	>2,000	200
0044CN33	N	1,000	N	100	N	100	200	N	>2,000	150
0045CN33	N	N	1,000	50	N	50	500	N	>2,000	150
0046CN33	N	700	500	200	N	200	150	N	>2,000	N
0047CN33	N	300	N	70	N	70	30	N	>2,000	N
0048CN33	N	1,000	200	150	N	150	1,000	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MV	S-AG	S-AS	S-B	S-BA
00490V33	38 6 47	113 52 37	1.00	.50	2.00	.300	500	N	N	30	300
00500V33	38 0 21	113 53 50	15.00	1.00	1.50	2.000	1.000	N	N	50	5,000
00510V33	38 0 24	113 53 55	20.00	1.50	2.00	1.500	1.500	7.0	N	20	2,000
00520V33	38 11 6	113 54 54	10.00	5.00	10.00	2.000	1.500	N	N	30	500
00530V33	38 13 22	113 54 8	1.00	2.00	7.00	.300	700	N	N	20	5,000
00540V33	38 13 2	113 53 11	3.00	2.00	20.00	.500	2,000	N	N	150	200
00550V33	38 13 47	113 50 50	5.00	.70	15.00	.700	700	N	N	30	300
00560V33	38 10 20	113 58 12	.50	15.00	30.00	.150	300	N	N	30	<50
00570V32	38 20 34	113 58 41	.50	15.00	30.00	.070	300	N	N	30	50
00580V32	38 21 37	113 57 13	3.00	.70	3.00	1.500	2,000	N	N	20	700
00590V32	38 21 48	113 55 54	.50	.70	15.00	>2.000	700	N	N	20	150
00600V32	38 21 42	113 53 28	.70	.30	7.00	>2.000	500	N	N	20	300
00610V32	38 23 47	113 59 16	1.00	.50	3.00	.500	1,000	N	N	30	700
00620V32	38 23 40	113 59 17	.70	1.00	7.00	2.000	1,000	N	N	20	300
00630V32	38 24 49	113 56 40	.70	.50	5.00	.300	1,000	N	N	<20	500
00640V32	38 26 56	113 54 29	.70	10.00	20.00	.300	700	N	N	20	100
00650V32	38 28 1	113 55 2	1.50	15.00	30.00	2.000	1,500	N	N	150	700
00660V32	38 29 32	113 55 10	2.00	.70	2.00	.500	700	N	N	20	500
00670V32	38 27 56	113 58 36	.70	10.00	30.00	.050	200	N	N	20	50
00680V32	38 28 41	113 59 2	.50	10.00	20.00	.020	200	N	N	70	50
00700V42	38 17 39	112 56 17	1.00	10.00	20.00	1.000	500	1.5	N	20	50
00710V42	38 16 50	112 55 20	.70	7.00	20.00	.150	200	2.0	N	30	50
00730V42	38 18 28	112 53 8	2.00	7.00	15.00	2.000	3,000	N	N	150	200
00740V42	38 18 38	112 56 4	1.00	.70	10.00	>2.000	1,000	N	N	20	200
00750V42	38 19 59	112 54 42	1.00	.50	15.00	>2.000	1,500	N	N	20	150
00760V12	38 45 7	112 57 14	3.00	7.00	10.00	>2.000	1,000	N	N	200	500
00770V12	38 46 4	112 58 51	5.00	10.00	20.00	.700	1,500	N	N	100	300
00780V12	38 46 41	112 57 51	.70	10.00	30.00	200	500	N	N	20	200
00790V12	38 48 7	112 57 35	1.00	10.00	20.00	.200	700	N	N	50	100
00800V12	38 51 43	112 55 45	.30	15.00	30.00	.070	500	1.5	N	20	200
00810V12	38 51 52	112 54 4	.50	20.00	20.00	.070	700	N	N	30	70
00820V12	38 49 47	112 57 6	.50	10.00	20.00	.150	300	N	N	20	50
00830V12	38 50 4	112 57 37	2.00	7.00	20.00	1.000	700	N	N	200	200
00840V12	38 51 52	112 58 37	7.00	7.00	20.00	1.000	2,000	N	N	150	15,000
00850V12	38 49 49	112 59 1	10.00	7.00	15.00	2.000	2,000	N	N	300	1,000
00860V12	38 40 43	112 59 1	5.00	.50	15.00	2.000	2,000	N	N	150	10,000
00870V12	38 40 44	112 59 2	10.00	7.00	15.00	1.500	2,000	N	N	150	500
00880V12	38 49 3	112 59 8	7.00	10.00	20.00	1.000	1,000	N	N	150	700
00890V21	38 46 12	113 0 53	7.00	1.50	10.00	2.000	2,000	1.0	N	500	700
00900V23	38 46 16	113 2 24	10.00	.70	1.50	2.000	1,000	N	N	700	700
00910V23	38 43 57	113 37 17	1.50	7.00	15.00	>2.000	1,000	N	N	30	300
00920V23	38 43 20	113 34 40	2.00	5.00	15.00	>2.000	1,000	N	N	100	300
00930V23	38 42 36	113 37 5	1.00	10.00	20.00	.700	300	7.0	N	<20	150
00940V23	38 41 20	113 34 52	1.00	15.00	30.00	2.000	500	N	N	<20	50
00950V23	38 40 2	113 36 25	.30	15.00	30.00	.500	300	N	N	<20	<50

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-RT	S-CD	S-CO	S-CR	S-CU	S-LA	S-V0	S-N9	S-NI	S-P9
0049CN33	N	N	N	N	<20	<10	50	N	N	N	70
0050CN33	<2.0	N	N	50	150	300	150	N	<50	N	200
0051CN33	<2.0	N	N	15	150	70	200	N	50	20	200
0052CN33	<2.0	N	N	15	700	15	700	N	100	100	100
0053CN33	<2.0	20	N	N	50	<10	150	7	<50	10	20
0054CN33	<2.0	N	N	15	30	<10	200	N	N	N	30
0055CN33	<2.0	N	N	10	70	<10	100	N	N	N	50
0056CN32	N	N	N	N	<20	N	V	N	N	N	N
0057CN32	N	N	N	<10	<20	V	V	N	N	N	N
0058CN32	<2.0	N	N	15	70	<10	100	N	50	N	<20
0059CN32	N	N	N	N	70	N	1,500	10	300	N	<20
0060CN32	<2.0	N	N	N	20	N	700	N	150	N	<20
0061CN32	<2.0	N	N	N	50	10	100	N	<50	20	<20
0062CN32	<2.0	N	N	N	70	<10	200	N	70	N	<20
0063CN32	<2.0	N	N	N	50	N	100	N	<50	N	100
0064CN32	N	N	N	N	<20	N	V	N	N	N	<20
0065CN32	<2.0	N	N	N	100	<10	200	N	<50	N	70
0066CN32	N	N	100	N	70	15	V	N	N	30	150
0067CN32	N	N	N	N	20	<10	N	N	N	N	N
0068CN32	N	N	N	N	<20	N	V	N	N	N	N
0070CN42	N	N	N	N	50	<10	150	N	<50	N	2,000
0071CN42	N	N	N	N	70	<10	V	N	N	20	3,000
0073CN42	3.0	15	N	<10	100	<10	300	7	100	N	50
0074CN42	N	N	N	N	<20	15	1,000	10	200	N	100
0075CN42	N	N	N	N	30	<10	2,000	20	300	N	50
0076CN12	<2.0	N	N	10	1,000	<10	700	N	50	50	2,000
0077CN12	<2.0	N	N	70	70	15	V	N	<50	50	30
0078CN12	N	N	N	<10	30	10	50	N	N	<10	<20
0079CN12	N	N	N	<10	30	<10	V	N	N	N	20
0080CN12	N	N	N	N	<20	70	V	N	N	N	100
0081CN12	N	N	N	<10	<20	<10	N	N	N	<10	<20
0082CN12	N	N	N	N	<20	N	N	N	N	N	N
0083CN12	<2.0	N	N	<10	100	<10	150	N	<50	N	150
0084CN12	<2.0	N	N	50	200	20	200	N	<50	15	150
0085CN12	<2.0	N	N	50	300	70	300	N	<50	N	200
0086CN12	2.0	N	N	100	200	50	300	10	<50	70	500
0087CN12	2.0	N	N	30	300	30	150	N	50	50	150
0088CN12	<2.0	N	N	20	150	20	200	N	<50	20	200
0089CN21	2.0	15	N	N	200	10	2,000	N	100	10	150
0090CN23	5.0	N	V	30	200	15	500	N	<50	20	100
0091CN23	N	N	V	10	70	N	700	7	70	N	20
0092CN23	<2.0	N	N	N	100	10	700	5	100	N	70
0093CN23	N	N	N	<10	20	30	150	N	<50	N	1,000
0094CN23	N	N	N	N	20	N	150	N	70	N	<20
0095CN23	N	N	N	N	<20	N	N	N	N	N	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0049CN33	N	N	200	20	N	500	N	>2,000	150
0050CN33	V	N	200	500	N	150	N	>2,000	N
0051CN33	N	N	200	500	N	150	N	>2,000	N
0052CN33	N	30	500	1,000	N	500	N	>2,000	150
0053CN33	N	N	700	100	N	200	N	>2,000	N
0054CN33	V	N	300	150	N	500	N	>2,000	N
0055CN33	N	N	200	150	N	300	N	>2,000	N
0056CN33	V	N	<200	70	N	<20	N	500	N
0057CN33	V	N	N	20	N	N	N	200	N
0058CN33	V	N	700	100	N	300	N	>2,000	N
0059CN33	V	70	200	200	N	1,000	N	>2,000	150
0060CN33	V	30	700	200	N	500	N	>2,000	N
0061CN33	V	N	500	50	N	300	N	>2,000	150
0062CN33	N	N	500	100	N	500	N	>2,000	150
0063CN33	V	N	500	30	N	300	N	>2,000	N
0064CN33	V	N	200	50	N	20	N	>2,000	N
0065CN33	V	20	700	200	N	500	N	>2,000	N
0066CN33	V	20	500	100	N	300	1,500	>2,000	150
0067CN33	V	N	N	30	N	N	N	1,000	N
0068CN33	V	N	N	20	N	20	N	>2,000	N
0070CN42	N	N	<200	100	N	70	N	500	N
0071CN42	V	N	300	70	N	20	N	500	N
0073CN42	N	30	<200	150	N	200	N	>2,000	150
0074CN42	V	30	<200	300	N	500	N	>2,000	150
0075CN42	V	70	200	150	N	500	N	>2,000	200
0076CN12	V	15	200	300	N	700	N	>2,000	200
0077CN12	V	N	<200	70	N	300	N	>2,000	N
0078CN12	V	N	200	50	N	20	N	2,000	N
0079CN12	V	N	200	70	N	50	N	2,000	N
0080CN12	V	N	N	<20	N	N	N	300	N
0081CN12	N	N	<200	50	N	N	N	50	N
0082CN12	V	N	300	50	N	20	N	1,500	N
0083CN12	V	N	500	100	N	200	N	>2,000	N
0084CN12	N	N	500	150	N	200	N	>2,000	N
0085CN12	V	N	200	150	N	700	N	>2,000	N
0086CN12	N	N	700	300	N	200	N	>2,000	N
0087CN12	V	N	500	300	N	150	N	>2,000	N
0088CN12	V	N	300	200	N	200	N	>2,000	N
0089CN21	N	N	<200	150	N	1,000	N	>2,000	200
0090CN23	V	N	200	150	N	700	N	>2,000	N
0091CN23	V	20	<200	300	N	700	N	>2,000	N
0092CN23	V	30	300	100	N	500	N	>2,000	N
0093CN23	V	N	<200	100	N	100	N	1,000	N
0094CN23	V	N	N	100	N	200	N	>2,000	N
0095CN23	V	N	N	50	N	50	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGV	S-CAX	S-TTX	S-MV	S-AG	S-AS	S-B	S-BA
0096CN23	38 38 24	113 35 49	1.50	15.00	30.00	1.300	300	N	N	<20	50
0097CN23	38 36 30	113 36 0	.30	10.00	20.00	.070	200	N	N	<20	<50
0098CN23	38 34 43	113 34 33	1.00	10.00	20.00	.200	300	N	N	20	70
0099CN23	38 37 12	113 32 2	.70	10.00	20.00	.200	300	N	N	20	50
0100CN23	38 35 21	113 31 30	3.00	15.00	20.00	2.000	1,500	N	N	100	500
0101CN23	38 34 10	113 30 50	1.50	7.00	15.00	1.000	1,000	N	N	20	300
0102CN23	38 31 0	113 30 46	2.00	5.00	10.00	1.000	1,000	N	N	50	1,000
0103CN23	38 32 46	113 36 21	1.00	15.00	30.00	1.000	300	N	N	20	70
0104CN32	38 20 30	113 31 21	.30	10.00	20.00	.070	500	N	N	<20	<50
0105CN31	38 17 39	113 17 42	2.00	1.50	7.00	1.000	700	N	N	70	>10,000
0106CN31	38 17 42	113 17 42	2.00	1.00	7.00	1.700	1,000	N	N	70	>10,000
0107CN31	38 17 39	113 17 45	20.00	5.00	10.00	>2.000	3,000	N	N	150	700
0108CN31	38 26 33	113 17 26	.10	20.00	30.00	.050	300	N	N	<20	100
0109CN31	38 20 3	113 18 23	1.50	15.00	10.00	>2.000	2,000	N	N	200	300
0110CN24	38 31 23	113 8 1	1.50	7.00	7.00	1.000	2,000	N	N	300	500
0111CN24	38 33 8	113 12 59	3.00	10.00	20.00	1.500	1,000	N	N	200	1,000
0112CN24	38 33 7	113 13 2	2.00	10.00	15.00	1.500	700	N	N	200	1,500
0113CN24	38 33 11	113 12 55	3.00	10.00	15.00	.700	1,000	N	N	100	500
0114CN21	38 47 26	113 2 22	15.00	1.00	2.00	2.000	2,000	N	N	500	1,500
0115CN21	38 54 38	113 1 2	2.00	.70	1.50	>2.000	700	N	N	700	500
0116CN12	38 50 1	112 57 43	10.00	2.00	5.00	1.500	1,000	N	N	300	700
0117CN23	38 42 50	113 58 18	2.00	10.00	30.00	.500	500	N	N	50	100
0118CN23	38 41 21	113 59 3	5.00	7.00	15.00	1.000	300	N	N	300	100
0119CN23	38 30 54	113 59 30	15.00	7.00	20.00	.700	700	N	N	200	5,000
0120CN23	38 44 21	113 55 43	1.00	10.00	15.00	.200	300	N	N	30	300
0121CN23	38 41 43	113 57 11	.70	10.00	15.00	.500	300	N	N	200	100
0122CN23	38 41 48	113 55 58	1.50	7.00	15.00	1.500	500	N	N	100	100
0123CN23	38 40 1	113 56 19	.70	5.00	30.00	.150	300	.7	N	50	50
0124CN23	38 37 59	113 54 49	.70	7.00	20.00	.050	300	N	N	20	150
0126CN23	38 36 36	113 56 33	5.00	5.00	20.00	.700	500	N	N	150	200
0127CN23	38 35 15	113 57 17	3.00	5.00	20.00	1.000	700	N	N	150	200
0128CN23	38 34 18	113 57 33	3.00	5.00	30.00	.200	500	5.0	N	100	300
0129CN23	38 33 5	113 57 24	2.00	5.00	20.00	.700	500	3.0	N	150	300
0131CN23	38 34 22	113 50 18	1.50	1.50	10.00	.500	1,000	N	N	20	700
0132CN23	38 33 17	113 51 15	2.00	.70	10.00	1.500	500	N	N	50	1,000
0134CN23	38 31 13	113 53 18	1.50	5.00	7.00	1.000	1,000	N	N	50	300
0135CN23	38 31 17	113 53 20	1.00	3.00	10.00	1.500	700	N	N	30	300
0136CN23	38 31 18	113 53 18	1.50	5.00	7.00	.300	1,000	N	N	<20	300
0137CN23	38 32 21	113 53 28	1.00	1.50	7.00	.700	300	3.0	N	50	300
0142CN23	38 31 14	113 56 51	1.00	15.00	30.00	.150	300	2.0	N	20	300
0143CN23	38 30 37	113 59 52	.30	10.00	30.00	.050	300	2.0	N	20	50
0145CN23	38 32 23	113 59 57	.30	15.00	20.00	.070	300	N	N	20	<50
0146CN23	38 38 4	113 49 7	.20	10.00	20.00	.050	300	N	N	20	50
0147CN23	38 30 24	113 48 28	.20	15.00	30.00	.070	300	N	N	20	50
0148CN23	38 40 27	113 48 16	.20	10.00	20.00	.070	300	N	N	20	50

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-BE	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-40	S-NB	S-NI	S-PB
0096CN23	N	N	N	N	<20	N	100	N	<50	N	N
0097CN23	N	N	N	N	20	N	N	N	N	<10	N
0098CN23	N	N	N	<10	<20	<10	<50	N	N	N	150
0099CN23	<2.0	N	N	N	20	<10	<50	N	N	N	<20
0100CN23	N	N	N	30	1,000	<10	200	N	70	N	20
0101CN23	<2.0	N	N	10	1,000	<10	70	N	50	20	20
0102CN23	<2.0	20	N	<10	1,000	<10	150	N	N	70	3,000
0103CN23	N	N	N	N	20	<10	100	N	<50	N	<20
0104CN32	N	N	N	N	<20	<10	N	N	N	<10	N
0105CN31	2.0	N	N	<10	300	10	100	N	N	N	<20
0106CN31	<2.0	N	N	10	300	10	<50	N	N	N	20
0107CN31	3.0	N	N	150	700	30	200	7	50	50	500
0108CN31	N	N	N	N	<20	N	N	N	N	<10	1,000
0109CN31	N	15	N	15	50	50	1,000	15	70	N	30
0110CN24	<2.0	N	N	15	150	30	100	N	N	10	200
0111CN24	<2.0	N	N	20	1,000	10	300	N	<50	N	70
0112CN24	<2.0	N	N	<10	1,000	10	200	N	<50	50	30
0113CN24	<2.0	N	N	15	1,500	10	150	N	N	70	1,500
0114CN21	5.0	N	N	N	150	20	700	N	<50	10	500
0115CN21	7.0	N	N	N	150	10	200	N	<50	N	100
0116CN12	5.0	N	N	<10	50	<10	200	N	<50	10	30
0117CN23	N	N	N	<10	150	<10	100	N	N	10	<20
0118CN23	N	N	N	<10	70	10	100	N	N	50	50
0119CN23	<2.0	N	N	10	150	30	150	15	N	150	50
0120CN23	N	N	N	<10	30	<10	<50	7	N	10	N
0121CN23	N	N	N	15	100	N	N	N	N	N	<20
0122CN23	<2.0	N	N	10	70	15	300	10	50	50	150
0123CN23	N	N	N	N	50	30	<50	N	N	<10	N
0124CN23	N	N	N	N	20	<10	70	N	N	20	<20
0125CN23	<2.0	N	N	10	150	10	200	10	N	30	30
0126CN23	<2.0	N	N	N	N	<10	N	N	N	N	50
0127CN23	<2.0	N	N	10	150	<10	200	N	N	50	20
0128CN23	<2.0	N	N	<10	200	30	300	7	<50	50	20
0129CN23	<2.0	N	N	<10	300	30	300	N	N	70	20
0131CN23	3.0	N	N	<10	50	10	150	N	N	N	200
0132CN23	2.0	N	N	<10	100	N	300	N	50	N	20
0134CN23	<2.0	N	N	10	70	<10	200	20	50	30	20
0135CN23	<2.0	N	N	<10	30	10	150	N	70	N	<20
0136CN23	N	N	N	N	50	10	N	N	<50	10	<20
0137CN23	<2.0	N	N	<10	20	<10	100	N	N	N	20
0142CN23	N	N	N	N	100	<10	100	N	N	N	<20
0143CN23	<2.0	N	N	N	30	50	50	N	N	<10	N
0145CN23	N	N	N	N	20	<10	<50	N	N	<10	N
0146CN23	<2.0	N	N	N	<20	<10	N	N	N	<10	<20
0147CN23	N	N	N	N	<20	<10	N	N	N	N	N
0148CN23	<2.0	N	N	N	<20	N	N	N	N	N	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0006CN23	N	N	N	30	N	70	N	>2,000	N
0007CN23	N	N	N	20	N	N	N	300	N
0008CN23	N	N	N	70	N	50	N	>2,000	N
0009CN23	N	N	N	50	N	30	N	2,000	N
0100CN23	N	N	<200	200	N	300	N	>2,000	N
0101CN23	N	N	500	150	N	200	N	>2,000	N
0102CN23	N	70	1,000	500	N	200	N	>2,000	N
0103CN23	N	N	<200	70	N	100	N	>2,000	N
0104CN23	N	N	N	20	N	N	N	300	N
0105CN23	N	N	700	100	N	150	N	>2,000	N
0106CN23	N	N	700	100	N	300	N	>2,000	N
0107CN23	N	N	300	500	N	200	N	>2,000	N
0108CN23	N	N	N	<20	N	N	N	200	N
0109CN23	N	70	<200	500	200	700	N	>2,000	200
0110CN24	N	N	300	200	N	100	N	>2,000	N
0111CN24	N	N	500	300	N	300	N	>2,000	N
0112CN24	N	N	200	300	N	300	N	>2,000	N
0113CN24	N	N	700	300	N	200	N	>2,000	N
0114CN21	N	N	200	200	N	700	N	>2,000	N
0115CN21	N	N	200	150	N	700	N	>2,000	N
0116CN12	N	N	300	150	N	300	N	>2,000	N
0117CN23	N	N	300	70	N	200	N	>2,000	N
0118CN23	N	N	700	150	N	200	N	>2,000	N
0119CN23	N	N	200	200	N	500	N	>2,000	N
0120CN23	N	N	200	50	N	50	N	>2,000	N
0121CN23	N	N	<200	50	N	200	N	>2,000	N
0122CN23	N	N	500	200	N	200	N	>2,000	N
0123CN23	N	N	700	50	N	30	N	2,000	N
0124CN23	N	N	300	30	N	20	N	500	N
0125CN23	N	N	1,500	100	N	300	N	>2,000	N
0126CN23	N	N	1,000	100	N	300	N	>2,000	N
0127CN23	N	N	1,500	200	N	500	N	>2,000	N
0128CN23	N	N	1,000	200	N	500	N	>2,000	N
0129CN23	N	N	1,000	200	N	500	N	>2,000	N
0130CN23	N	N	1,000	50	N	150	N	>2,000	N
0131CN23	N	N	1,500	100	N	500	N	>2,000	N
0132CN23	N	N	500	70	N	200	N	>2,000	N
0133CN23	N	N	500	30	N	200	N	>2,000	N
0134CN23	N	N	N	50	N	200	N	>2,000	N
0135CN23	N	20	1,000	70	N	200	N	>2,000	N
0136CN23	N	N	500	100	N	100	N	>2,000	N
0137CN23	N	N	300	70	N	70	N	1,000	N
0138CN23	N	N	<200	50	N	<20	N	300	N
0139CN23	N	N	<200	30	N	N	N	500	N
0140CN23	N	N	<200	20	N	N	N	1,500	N
0141CN23	N	N	<200	20	N	N	N	1,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FFZ	S-MGZ	S-CAZ	S-TIZ	S-WV	S-AG	S-AS	S-R	S-BA
0149CN23	38 41 30	113 47 52	50	10.00	30.00	1.070	300	N	N	70	70
0150CN23	38 44 20	113 45 52	20	10.00	20.00	.050	200	N	N	70	300
0152CN23	38 30 20	113 51 16	3.00	3.00	10.00	2.000	1,500	N	N	50	7,000
0153CN23	38 31 23	113 49 27	2.00	3.00	7.00	1.000	700	N	N	30	200
0155CN23	38 32 6	113 50 50	.70	.70	15.00	>2.000	1,000	N	N	30	500
0156CN23	38 33 32	113 54 2	.50	10.00	15.00	.300	500	N	N	20	70
0157CN23	38 34 21	113 54 44	.30	7.00	15.00	.150	3,000	N	N	30	5,000
0158CN23	38 34 46	113 55 31	.20	10.00	15.00	.070	300	N	N	30	50
0159CN23	38 35 46	113 50 18	2.00	5.00	10.00	1.500	3,000	N	N	70	1,000
0160CN23	38 35 47	113 50 10	2.00	2.00	7.00	1.000	2,000	N	N	50	500
0161CN23	38 36 4	113 50 0	2.00	2.00	7.00	.700	1,000	N	N	50	500
0162CN23	38 36 55	113 48 13	.15	10.00	20.00	.050	200	N	N	30	<50
0165CN23	38 0 31	113 36 3	10.00	1.00	2.00	>2.000	1,000	N	N	50	700
0171CN23	38 2 52	113 36 6	1.00	.30	1.00	.300	1,500	N	N	200	<50
0172CN23	38 1 53	113 35 7	2.00	.70	3.00	1.500	1,500	N	N	50	300
0173CN23	38 1 7	113 33 53	10.00	1.00	3.00	2.000	2,000	N	N	50	1,000
0175CN23	38 4 55	113 34 37	5.00	.70	5.00	>2.000	2,000	N	N	70	700
0176CN23	38 4 56	113 34 39	3.00	.10	.20	.500	3,000	N	N	150	<50
0177CN23	38 4 26	113 34 39	5.00	.15	.70	1.000	5,000	N	N	100	70
0178CN23	38 4 0	113 34 19	3.00	.70	3.00	2.000	700	N	N	70	500
0179CN23	38 3 33	113 34 30	1.50	.50	2.00	1.000	2,000	N	N	300	100
0181CN23	38 2 0	113 31 57	2.00	.50	3.00	.700	500	N	N	70	500
0184CN23	38 3 52	113 30 47	1.50	.50	7.00	>2.000	1,500	N	N	30	500
0185CN23	38 1 20	113 29 13	1.50	1.00	7.00	>2.000	1,500	N	N	50	300
0186CN12	38 4 53	112 59 11	1.00	7.00	50.00	.100	500	N	N	30	200
0187CN12	38 55 37	112 57 10	7.00	1.50	5.00	.700	2,000	N	N	200	1,000
0188CN12	38 55 37	112 57 8	5.00	1.00	5.00	.700	2,000	N	N	200	500
0189CN12	38 55 41	112 57 4	5.00	1.00	15.00	.300	1,000	N	N	150	500
0190CN12	38 52 57	112 56 28	.70	5.00	30.00	.100	500	N	N	70	200
0191CN12	38 56 52	112 56 16	5.00	5.00	15.00	1.000	1,500	N	N	200	500
0192CN22	38 57 22	112 58 28	2.00	10.00	30.00	.500	1,000	N	N	150	200
0193CN12	38 57 55	112 54 42	1.50	7.00	20.00	.500	700	N	N	100	200
0195CN12	38 52 50	112 50 12	.70	7.00	30.00	.150	300	N	N	30	200
0196CN22	38 53 0	112 51 56	1.00	15.00	30.00	.200	700	N	N	30	100
0197CN12	38 51 42	112 51 34	.30	15.00	30.00	.100	500	N	N	30	100
0198CN12	38 45 38	112 51 51	3.00	1.00	5.00	2.000	1,000	N	N	20	1,000
0199CN22	38 45 20	112 50 1	1.50	2.00	5.00	>2.000	700	N	N	300	300
0200CN22	38 45 6	112 46 21	1.50	1.00	10.00	.500	7,000	N	N	100	7,000
0201CN13	38 42 20	112 45 31	5.00	5.00	10.00	1.500	1,000	N	N	100	300
0202CN23	38 40 9	112 46 21	1.50	1.50	5.00	2.000	700	N	N	200	300
0203CN13	38 42 37	112 49 35	15.00	1.00	3.00	2.000	2,000	N	N	150	700
0204CN23	38 42 58	112 51 34	2.00	.70	3.00	1.000	700	N	N	70	1,500
0205CN13	38 43 57	112 52 5	3.00	2.00	5.00	>2.000	1,500	N	N	30	500
0206CN13	38 44 51	112 50 7	1.00	.50	3.00	.500	500	N	N	70	300
0207CN13	38 36 35	112 50 33	2.00	15.00	20.00	.500	1,000	N	N	100	3,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-BT	S-CD	S-CO	S-CR	S-CU	S-LA	S-40	S-NB	S-NI	S-PB
0149CV23	N	N	N	N	20	50	50	N	N	<10	N
0150CV23	N	N	V	N	<20	N	V	N	N	N	N
0152CV23	<2.0	N	N	<10	300	<10	100	N	<50	N	N
0153CV23	<2.0	N	N	10	200	<10	100	N	<50	N	N
0155CV23	<2.0	N	N	N	200	N	200	N	70	N	<20
0156CV23	<2.0	N	N	<10	<20	N	V	N	N	N	N
0157CV23	N	N	N	N	<20	V	V	N	N	N	<20
0158CV23	N	N	N	N	<20	N	V	N	N	N	N
0159CV23	<2.0	N	N	N	150	N	150	10	N	N	20
0160CV23	<2.0	N	N	10	100	<10	150	N	<50	N	<20
0161CV23	<2.0	N	N	10	70	<10	100	N	N	N	20
0162CV23	N	N	V	N	<20	N	N	N	N	N	N
0165CV33	<2.0	N	N	30	150	15	300	10	100	N	50
0171CV33	10.0	N	N	N	<20	V	<50	N	150	N	20
0172CV33	3.0	N	N	N	50	<10	300	30	200	N	150
0173CV33	<2.0	N	N	20	100	10	200	N	<50	V	30
0175CV33	<2.0	N	N	20	100	10	700	15	150	<10	50
0176CV33	7.0	N	N	<10	<20	<10	<50	30	300	N	30
0177CV33	7.0	N	N	<10	<20	<10	70	10	300	N	<20
0178CV33	3.0	N	N	10	30	<10	700	N	70	V	20
0179CV33	10.0	N	V	<10	30	N	200	N	70	N	200
0181CV33	<2.0	N	N	<10	20	<10	150	N	N	N	30
0184CV33	<2.0	N	N	N	30	10	700	7	200	N	<20
0185CV34	<2.0	N	N	10	100	<10	500	7	100	<10	20
0186CV12	N	N	N	<10	20	<10	<50	N	N	<10	N
0187CV12	5.0	N	N	20	70	30	300	N	<50	20	100
0188CV12	5.0	N	N	<10	70	15	150	N	<50	30	30
0189CV12	3.0	N	N	10	100	20	50	N	N	20	70
0190CV12	N	N	N	N	<20	<10	N	N	N	<10	N
0191CV12	5.0	N	N	10	100	20	500	N	<50	20	150
0192CV22	<2.0	N	N	10	30	10	70	N	N	10	30
0193CV12	<2.0	N	N	<10	50	<10	50	N	<50	N	20
0195CV12	N	N	N	<10	30	<10	<50	N	N	N	N
0196CV22	V	N	N	<10	20	<10	<50	N	N	V	<20
0197CV12	N	N	N	N	<20	N	V	N	N	<10	N
0198CV12	7.0	N	N	10	70	10	150	N	50	N	30
0199CV22	<2.0	100	N	10	200	<10	500	N	70	N	30
0200CV22	3.0	N	N	70	20	20	70	15	50	20	150
0201CV13	<2.0	N	N	15	700	20	150	N	100	100	<20
0202CV23	<2.0	N	N	10	150	<10	300	N	150	10	50
0203CV13	<2.0	N	N	10	50	15	150	7	50	N	30
0204CV23	<2.0	N	N	10	200	<10	100	N	70	N	<20
0205CV13	3.0	N	N	N	200	10	700	7	100	15	30
0206CV13	2.0	N	N	<10	30	<10	150	N	50	N	N
0207CV13	<2.0	N	N	<10	50	20	100	N	N	10	150

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0149CV23	N	N	200	50	N	<20	N	1,000	N
0150CV23	N	N	N	20	N	<20	N	2,000	N
0152CV23	N	70	500	150	N	500	N	>2,000	N
0153CV23	N	N	300	100	N	200	N	>2,000	N
0155CV23	N	70	500	200	N	1,000	N	>2,000	N
0156CV23	N	N	300	50	N	100	N	>2,000	N
0157CV23	N	N	N	50	N	30	N	>2,000	N
0158CV23	N	N	N	20	N	20	N	1,000	N
0159CV23	N	N	300	100	N	300	N	>2,000	N
0160CV23	N	N	300	70	N	300	500	>2,000	N
0161CV23	N	N	500	100	N	200	N	>2,000	N
0162CV23	N	N	N	20	N	N	N	1,000	N
0165CV23	N	N	200	200	N	300	N	>2,000	N
0171CV23	N	1,500	N	30	N	300	N	>2,000	300
0172CV23	N	200	N	100	N	300	N	>2,000	300
0173CV23	N	50	500	200	N	200	N	>2,000	N
0175CV23	N	50	300	300	N	700	N	>2,000	150
0176CV23	N	>2,000	N	50	N	70	N	>2,000	N
0177CV23	N	2,000	N	70	N	150	N	>2,000	N
0178CV23	N	>2,000	300	150	N	500	N	>2,000	N
0179CV23	N	700	<200	100	N	300	N	>2,000	300
0181CV23	N	N	700	100	N	150	N	>2,000	N
0184CV23	N	30	700	150	N	500	N	>2,000	150
0185CV23	N	70	200	200	N	700	N	>2,000	N
0186CV12	N	N	500	50	N	20	N	1,000	N
0187CV12	N	N	200	200	N	200	N	>2,000	N
0188CV12	N	N	200	100	N	150	N	>2,000	N
0189CV12	N	N	700	100	N	100	N	1,000	N
0190CV12	N	N	300	20	N	<20	N	1,500	N
0191CV12	10,000	N	500	100	N	200	N	>2,000	N
0192CV22	N	N	500	70	N	150	N	>2,000	N
0193CV12	N	N	1,000	70	N	150	N	>2,000	N
0195CV12	N	N	700	70	N	50	N	1,500	N
0196CV22	N	N	N	50	N	20	N	1,500	N
0197CV12	N	N	N	<20	N	N	N	1,000	N
0198CV12	N	300	200	100	N	300	N	>2,000	N
0199CV22	N	>2,000	200	150	N	300	N	>2,000	700
0200CV22	N	300	500	100	N	100	N	>2,000	N
0201CV13	N	N	700	300	N	150	N	>2,000	N
0202CV23	N	30	300	100	N	200	N	>2,000	300
0203CV13	N	200	300	200	N	200	N	>2,000	150
0204CV23	N	15	700	50	N	150	N	>2,000	700
0205CV13	N	30	<200	150	N	500	N	>2,000	200
0206CV13	N	>2,000	500	70	N	70	N	>2,000	N
0207CV13	N	N	700	100	N	70	N	2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAX	S-TIX	S-WN	S-AG	S-AS	S-R	S-BA
0218CN23	38 34 20	112 48 33	2.00	7.00	20.00	2.000	5.000	N	N	300	300
0219CN23	38 34 16	112 47 48	.70	.50	15.00	>2.000	700	N	N	20	200
0219CN23	38 32 37	112 48 55	.70	.20	7.00	>2.000	1.000	N	500	20	700
0211CN23	38 34 30	112 50 20	.70	.30	15.00	>2.000	1.000	N	N	20	300
0213CN21	38 45 47	113 5 25	3.00	1.00	2.00	>2.000	200	N	N	300	700
0214CN21	38 47 18	113 4 46	7.00	1.00	3.00	1.500	500	N	N	200	700
0215CN21	38 48 31	113 4 1	7.00	.70	2.00	2.000	700	N	N	200	700
0215CN21	38 48 35	113 2 18	10.00	1.00	1.50	>2.000	700	N	N	150	700
0217CN21	38 50 29	113 2 44	3.00	7.00	15.00	.500	700	N	N	50	200
0218CN21	38 52 6	113 3 35	7.00	3.00	15.00	1.000	700	N	N	300	700
0219CN21	38 53 36	113 1 43	2.00	2.00	3.00	2.000	700	N	N	300	200
0220CN21	38 56 48	113 1 9	7.00	1.00	3.00	>2.000	1.000	N	N	100	2,000
0221CN12	38 50 5	112 59 34	2.00	.50	1.50	2.000	500	N	N	700	500
0222CN12	38 57 9	112 59 18	10.00	1.00	2.00	2.000	1.500	N	N	100	300
0223CN12	38 54 41	112 59 4	10.00	3.00	15.00	.500	2.000	N	N	100	1,000
0224CN21	38 50 13	113 0 27	7.00	5.00	10.00	1.000	1.500	N	N	70	700
0225CN21	38 50 5	113 0 28	5.00	1.50	7.00	2.000	1.500	N	N	100	1,000
0226CN21	38 50 5	113 0 34	5.00	1.50	7.00	2.000	1.000	N	N	100	700
0227CN21	38 51 56	113 0 2	1.00	7.00	15.00	.500	700	N	N	50	300
0228CN12	38 54 35	112 57 10	.70	10.00	15.00	.050	700	N	N	30	70
0229CN11	38 55 29	112 53 26	10.00	.50	2.00	1.000	1.000	N	N	100	1,000
0230CN11	38 53 6	112 53 35	.70	10.00	15.00	.030	500	N	N	20	100
0233CN11	38 59 34	112 55 34	.50	10.00	15.00	.030	300	N	N	20	50
0237CN12	38 50 24	112 52 29	1.50	10.00	15.00	.200	700	N	N	20	100
0239CN12	38 46 33	112 49 50	1.50	5.00	10.00	2.000	700	N	N	100	700
0243CN13	38 54 53	112 56 0	2.00	5.00	7.00	>2.000	1.500	N	N	100	500
0244CN13	38 50 1	112 54 58	2.00	5.00	10.00	2.000	1.500	N	N	100	700
0245CN13	38 45 56	112 53 52	2.00	2.00	7.00	>2.000	1.000	N	N	30	700
0247CN13	38 38 7	112 49 39	1.00	5.00	10.00	.200	700	N	N	50	>10,000
0249CN13	38 37 32	112 50 14	.50	2.00	7.00	.070	500	1.5	N	<20	>10,000
0255CN42	38 20 48	112 50 49	1.00	.50	10.00	>2.000	1.500	N	N	20	3,000
0257CN42	38 20 53	112 51 7	1.00	.20	15.00	>2.000	1.500	N	N	20	1,000
0260CN13	38 30 43	112 51 12	1.00	.50	15.00	>2.000	1.500	N	N	30	100
0261CN12	38 30 50	112 49 5	1.00	.50	10.00	>2.000	1.500	N	N	<20	100
0262CN13	38 31 7	112 50 59	.70	.70	10.00	>2.000	700	N	N	20	500
0264CN13	38 30 36	112 46 15	.50	.20	7.00	>2.000	1.000	N	N	20	1,000
0265CN13	38 30 36	112 46 13	.70	.20	7.00	>2.000	1.500	N	N	50	300
0266CN13	38 30 30	112 46 7	.70	.50	15.00	>2.000	1.500	N	N	<20	2,000
0267CN42	38 18 7	112 49 23	1.00	10.00	15.00	.700	700	N	N	<20	70
0268CN33	38 6 8	113 38 27	2.00	.15	.70	.300	3,000	N	N	100	70
0269CN33	38 5 5	113 38 15	2.00	.30	1.00	.700	3,000	N	N	150	<50
0270CN33	38 5 14	113 38 14	2.00	.20	1.00	.700	3,000	N	N	150	<50
0271CN33	38 5 29	113 38 5	2.00	.30	1.50	.700	5,000	N	N	150	100
0274CN33	38 4 50	113 38 9	2.00	.70	20.00	.700	1,500	N	N	70	3,000
0276CN33	38 7 11	113 37 46	1.50	.20	7.00	>2.000	1,500	N	N	50	200

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BF	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0208CN23	<2.0	N	N	<10	100	10	300	N	50	V	50
0209CN23	N	N	N	N	20	N	700	15	100	N	30
0210CN23	<2.0	N	N	N	20	<10	1,000	N	200	N	100
0211CN23	<2.0	N	N	N	20	<10	700	15	100	N	20
0213CN21	2.0	N	N	N	150	10	300	N	70	N	70
0214CN21	7.0	N	N	N	70	20	300	N	<50	20	100
0215CN21	3.0	N	N	10	70	10	500	N	<50	N	100
0216CN21	5.0	N	N	<10	150	15	500	N	70	15	70
0217CN21	<2.0	N	N	N	70	20	100	N	<50	20	70
0218CN21	2.0	N	N	20	100	10	150	N	<50	15	50
0219CN21	<2.0	N	N	10	700	<10	150	N	<50	N	50
0220CN21	3.0	N	N	10	100	10	300	N	50	20	70
0221CN12	5.0	N	N	15	150	10	100	N	<50	V	70
0222CN12	5.0	N	N	10	70	15	300	N	150	20	70
0223CN12	5.0	N	N	50	150	70	100	N	<50	100	100
0224CN21	3.0	N	N	N	100	20	500	7	50	50	70
0225CN21	7.0	N	N	20	100	15	1,500	N	50	15	100
0226CN21	5.0	N	N	<10	70	15	700	N	50	10	70
0227CN21	<2.0	N	N	<10	70	<10	150	N	<50	N	100
0228CN12	N	N	N	N	<20	N	V	N	N	N	20
0229CN11	2.0	N	N	N	70	10	200	15	50	50	70
0230CN11	N	N	N	N	<20	N	N	N	<50	V	<20
0231CN11	N	N	N	N	<20	N	N	N	<50	N	<20
0232CN11	N	N	N	N	100	<10	50	N	<50	15	<20
0233CN12	N	N	N	N	300	10	300	10	150	20	50
0243CN13	N	N	N	N	700	15	700	7	150	50	50
0244CN13	N	N	N	N	700	20	500	20	150	70	50
0245CN13	<2.0	N	N	N	150	10	700	20	200	V	50
0247CN13	<2.0	N	N	10	50	20	50	7	<50	15	2,000
0249CN13	N	N	N	N	<20	<10	N	10	N	N	5,000
0255CN42	<2.0	N	N	N	30	<10	2,000	30	300	N	70
0257CN42	N	N	V	N	20	<10	2,000	15	300	N	50
0260CN13	N	N	V	N	20	<10	>2,000	30	300	N	70
0261CN12	<2.0	N	N	N	<20	<10	>2,000	50	200	N	70
0262CN13	N	N	N	N	30	<10	1,000	50	300	N	30
0264CN13	70.0	N	V	N	20	<10	2,000	30	300	N	150
0265CN13	2.0	N	N	N	20	<10	1,500	15	500	N	50
0266CN13	<2.0	N	N	N	<20	<10	2,000	50	300	N	100
0267CN42	<2.0	N	N	N	20	10	200	N	100	N	70
0268CN33	20.0	15	N	N	20	<10	50	10	100	V	50
0269CN33	7.0	N	N	N	20	N	<50	10	300	N	20
0270CN33	10.0	15	V	N	<20	<10	150	15	150	V	30
0271CN33	7.0	15	V	N	30	<10	300	10	100	V	70
0274CN33	5.0	50	V	10	20	<10	300	15	100	V	200
0276CN33	<2.0	N	N	N	30	<10	1,000	15	100	V	70

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	S-CS	S-SV	S-SP	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0208CN23	N	N	700	150	N	150	N	>2,000	N
0209CN23	N	30	200	300	N	500	N	>2,000	1,000
0210CN23	N	70	<200	200	N	700	N	>2,000	3,000
0211CN23	N	50	300	200	N	700	N	>2,000	500
0213CN21	N	N	300	200	N	500	N	>2,000	N
0214CN21	N	N	500	100	N	500	N	>2,000	150
0215CN21	N	N	200	100	N	700	N	>2,000	150
0216CN21	N	N	200	150	N	700	N	>2,000	150
0217CN21	N	N	200	100	N	150	N	>2,000	N
0218CN21	N	N	1,000	100	N	300	N	>2,000	N
0219CN21	N	N	200	150	N	500	N	>2,000	N
0220CN21	N	N	200	150	N	700	N	>2,000	150
0221CN12	N	N	200	100	N	500	N	>2,000	N
0222CN12	N	N	200	100	N	700	N	>2,000	200
0223CN12	N	N	1,500	200	N	200	N	>2,000	N
0224CN21	N	N	300	150	N	200	N	>2,000	150
0225CN21	N	N	200	100	N	1,000	N	>2,000	200
0226CN21	N	N	200	100	N	500	N	>2,000	150
0227CN21	N	N	200	70	N	150	N	>2,000	N
0228CN12	N	N	N	<20	N	N	N	500	N
0229CN11	N	N	200	150	N	500	N	>2,000	N
0230CN11	N	N	N	20	N	N	N	500	N
0231CN11	N	N	N	<20	N	N	N	200	N
0232CN12	N	N	N	70	N	70	N	>2,000	N
0233CN12	N	1,000	300	150	N	150	N	>2,000	150
0243CN13	N	100	<200	150	100	200	N	>2,000	500
0244CN13	N	30	500	200	N	150	N	>2,000	N
0245CN13	N	70	200	150	N	500	N	>2,000	500
0247CN13	N	20	7,000	100	N	50	N	1,500	N
0249CN13	N	N	>17,000	50	N	N	N	150	N
0255CN42	N	70	200	150	N	700	N	>2,000	700
0257CN42	N	70	N	150	N	500	N	>2,000	2,000
0260CN13	N	100	N	150	N	2,000	N	>2,000	700
0261CN12	N	100	N	150	N	1,000	N	>2,000	1,000
0262CN13	N	70	700	200	300	700	N	>2,000	1,500
0264CN13	N	70	N	150	N	700	N	>2,000	3,000
0265CN13	N	70	N	100	N	500	N	>2,000	3,000
0266CN13	N	100	N	150	N	700	N	>2,000	3,000
0267CN42	N	30	N	70	N	200	N	2,000	200
0268CN33	150	>2,000	N	70	N	150	N	>2,000	N
0269CN33	N	300	N	50	N	150	N	>2,000	N
0270CN33	N	>2,000	N	70	N	200	N	>2,000	N
0271CN33	N	>2,000	200	70	N	200	N	>2,000	500
0274CN33	N	700	200	100	N	200	N	>2,000	150
0275CN33	N	200	<200	200	N	1,000	N	>2,000	150

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	LATITUDE	LONGITUDE	S-FFX	S-MGX	S-CAY	S-TIX	S-MV	S-AG	S-AS	S-3	S-BA
0277CN33	38 7 2	113 37 21	1.50	.70	5.00	>2.000	1.000	N	N	70	300
0278CN33	38 7 11	113 36 49	2.00	.30	1.50	1.500	2.000	N	N	150	200
0279CN33	38 6 54	113 35 48	2.00	.15	1.00	.700	2.000	N	N	70	70
0280CN33	38 5 21	113 36 10	1.00	.15	.70	.500	1.000	N	N	150	100
0281CN33	38 5 26	113 35 56	2.00	.10	.50	.200	3.000	N	N	150	50
0282CN33	38 5 52	113 35 15	1.50	.15	.50	.300	1.000	N	N	200	200
0283CN33	38 6 6	113 35 12	1.50	.50	1.50	1.500	1.500	N	N	200	70
0284CN33	38 6 22	113 35 33	1.00	.30	1.50	.700	2.000	N	N	150	200
0285CN33	38 27 47	113 6 6	2.00	3.00	7.00	>2.000	700	N	N	100	700
0286CN33	38 20 34	113 6 41	1.00	1.00	10.00	>2.000	700	N	N	70	1,000
0287CN33	38 20 8	113 8 0	2.00	1.50	3.00	>2.000	500	N	N	100	1,000
0288CN33	38 20 31	113 13 51	5.00	7.00	15.00	.700	1.500	N	N	20	10,000
0289CN33	38 18 43	113 13 57	5.00	5.00	15.00	.300	2.000	N	N	20	>10,000
0290CN33	38 12 30	113 24 16	5.00	7.00	30.00	1.500	2.000	N	N	30	>10,000
0291CN33	38 11 48	113 25 21	7.00	10.00	7.00	2.000	1.000	N	N	20	>10,000
0292CN33	38 11 57	113 26 43	3.00	15.00	30.00	1.000	700	N	N	20	10,000
0293CN33	38 12 6	113 27 58	.30	10.00	20.00	.050	200	N	N	<20	70
0294CN33	38 13 52	113 27 48	.70	.70	15.00	.700	500	N	N	20	10,000
0295CN33	38 12 57	113 28 36	10.00	5.00	7.00	>2.000	5,000	N	N	70	700
0296CN33	38 12 12	113 30 40	3.00	3.00	15.00	.700	3,000	N	N	30	2,000
0297CN33	38 11 53	113 31 9	10.00	7.00	7.00	2.000	5,000	N	N	30	3,000
0298CN33	38 12 54	113 31 50	2.00	.70	7.00	1.000	1,000	N	N	30	10,000
0299CN33	38 13 54	113 32 42	1.50	15.00	30.00	.100	500	N	N	<20	50
0300CN33	38 14 30	113 34 34	.50	15.00	30.00	.100	500	N	N	<20	50
0301CN33	38 14 14	113 36 14	.30	15.00	30.00	.070	500	N	N	20	<50
0302CN33	38 13 0	113 35 38	1.00	15.00	30.00	.300	500	N	N	20	50
0303CN33	38 11 49	113 35 14	3.00	.70	10.00	.700	1,000	N	N	30	1,000
0304CN33	38 10 58	113 32 15	10.00	5.00	7.00	>2.000	1,500	N	N	50	1,000
0305CN33	38 6 55	113 27 33	2.00	3.00	7.00	>2.000	2,000	N	N	150	300
0306CN33	38 6 57	113 29 30	2.00	2.00	10.00	2.000	1,500	N	N	70	>10,000
0307CN33	38 9 38	113 29 54	2.00	10.00	20.00	.300	700	N	N	50	1,000
0308CN33	38 10 52	113 29 51	10.00	1.00	7.00	>2.000	5,000	N	N	50	2,000
0309CN33	38 11 26	113 35 13	20.00	1.50	1.50	>2.000	3,000	N	N	30	1,500
0310CN33	38 9 42	113 34 42	15.00	1.50	5.00	>2.000	3,000	N	N	70	500
0311CN33	38 8 37	113 34 2	7.00	5.00	10.00	>2.000	3,000	N	N	50	5,000
0312CN33	38 8 16	113 32 56	10.00	15.00	20.00	1.000	2,000	N	N	50	300
0313CN33	38 6 14	113 34 38	3.00	20.00	30.00	2.000	2,000	N	N	70	200
0314CN33	38 5 43	113 35 24	2.00	.10	.50	.500	3,000	N	300	200	<50
0315CN33	38 7 46	113 35 44	20.00	1.50	2.00	2.000	3,000	N	N	100	1,000
0316CN33	38 7 47	113 35 45	20.00	3.00	5.00	>2.000	5,000	N	N	100	700
0317CN33	38 7 46	113 35 41	3.00	5.00	10.00	>2.000	2,000	N	N	100	300
0318CN33	38 7 9	113 36 57	2.00	.50	5.00	>2.000	3,000	N	500	100	300
0319CN33	38 28 2	113 32 6	.50	10.00	30.00	.070	300	N	N	30	300
0320CN33	38 26 45	113 31 53	.70	7.00	20.00	.070	300	N	N	30	70
0321CN33	38 25 10	113 32 29	.50	10.00	30.00	.070	300	N	N	30	100

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-RL	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0277CN33	<2.0	N	N	N	300	<10	700	N	100	N	70
0278CN33	7.0	20	N	<10	30	<10	300	10	100	N	50
0279CN33	10.0	20	N	<10	<20	<10	200	20	150	N	20
0280CN33	10.0	N	N	N	<20	<10	50	N	100	N	30
0285CN33	10.0	N	N	<10	<20	<10	50	7	150	N	50
0287CN33	10.0	N	N	N	<20	N	50	7	100	N	20
0289CN33	5.0	50	N	<10	50	<10	300	10	100	N	70
0290CN33	7.0	N	N	<10	30	<10	200	N	70	N	150
0291CN31	<2.0	15	N	10	150	30	300	70	70	N	150
0292CN31	N	N	N	N	70	50	1,000	50	150	N	300
0294CN31	N	20	N	N	200	20	70	30	100	N	150
0297CN31	<2.0	N	N	20	150	30	150	7	<50	30	70
0299CN31	<2.0	N	N	30	700	50	300	N	<50	70	70
0302CN34	N	N	N	30	3,000	15	200	N	<50	150	20
0303CN32	<2.0	N	N	30	1,000	20	200	N	<50	10	N
0305CN34	<2.0	N	N	10	50	20	<50	N	N	<10	50
0306CN34	N	N	N	N	<20	<10	N	N	<50	N	70
0308CN34	2.0	N	N	N	<20	<10	150	N	<50	N	50
0309CN34	2.0	N	N	50	1,500	20	1,000	10	70	100	200
0310CN33	2.0	N	N	10	20	20	100	N	<50	N	50
0311CN33	3.0	N	N	50	2,000	30	1,000	20	50	50	200
0313CN33	2.0	N	N	10	20	<10	70	N	<50	<10	50
0314CN33	N	N	N	<10	<20	<10	N	N	N	<10	<20
0315CN33	N	N	N	N	30	N	N	N	N	N	N
0316CN33	N	N	N	N	<20	<10	N	N	N	<10	N
0317CN33	N	N	N	<10	<20	<10	300	N	N	N	20
0319CN33	5.0	N	N	10	30	15	70	N	N	<10	50
0320CN33	2.0	N	N	30	50	20	500	15	150	<10	70
0323CN34	<2.0	N	N	N	1,000	<10	1,500	7	70	50	50
0324CN34	<2.0	N	N	N	100	15	700	N	50	N	30
0326CN34	N	N	N	<10	20	10	N	N	N	N	20
0327CN34	5.0	N	N	50	50	20	500	20	200	<10	200
0328CN33	2.0	N	N	100	200	20	500	N	70	10	300
0329CN33	2.0	N	N	30	200	15	700	7	70	N	150
0330CN33	2.0	N	N	30	100	30	300	10	70	N	100
0331CN33	2.0	N	N	30	100	50	100	15	<50	10	100
0332CN33	<2.0	N	N	10	30	<10	150	N	70	N	30
0333CN33	15.0	15	N	<10	<20	N	50	30	150	N	50
0334CN33	5.0	N	N	30	100	70	200	10	100	10	150
0335CN	5.0	N	N	70	1,000	50	1,000	15	150	20	200
0336CN33	<2.0	N	N	N	500	<10	1,000	7	70	N	100
0337CN33	3.0	N	N	N	150	<10	1,000	15	150	N	150
0339CN32	N	N	N	N	<20	<10	N	N	N	N	<20
0340CN32	N	N	N	N	<20	N	N	N	N	N	<20
0341CN32	N	N	N	N	<20	<10	N	N	N	<10	20

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0272CN33	N	150	N	1,000	N	>2,000	200
0278CN33	N	100	N	500	N	>2,000	500
0279CN33	N	70	N	300	N	>2,000	700
0283CN33	N	50	N	150	N	>2,000	N
0285CN33	N	70	N	100	N	1,500	N
0287CN33	N	30	N	150	N	>2,000	N
0289CN33	N	100	N	300	N	>2,000	700
0297CN33	N	70	N	200	N	>2,000	200
0291CN31	N	700	200	100	N	2,000	300
0293CN31	N	200	150	300	N	>2,000	700
0294CN31	N	1,000	100	50	N	2,000	N
0297CN31	N	200	N	70	N	>2,000	N
0298CN31	N	200	N	150	N	>2,000	N
0302CN34	N	200	N	500	N	>2,000	N
0303CN32	N	150	N	200	N	>2,000	N
0305CN34	N	100	N	70	N	1,000	N
0306CN34	N	20	N	N	N	50	N
0308CN34	N	200	N	150	N	>2,000	N
0309CN34	N	200	N	1,000	N	>2,000	N
0310CN33	N	150	N	70	N	2,000	N
0311CN33	N	300	N	300	N	>2,000	N
0313CN33	N	150	N	70	N	1,500	N
0314CN33	N	70	N	<20	N	500	N
0315CN33	N	30	N	20	N	200	N
0316CN33	N	50	N	N	N	300	N
0317CN33	N	100	N	70	N	>2,000	N
0319CN33	N	200	N	50	N	1,500	N
0320CN33	N	300	N	500	N	>2,000	N
0323CN34	N	300	N	1,500	N	>2,000	N
0324CN34	N	150	N	500	N	>2,000	N
0325CN34	N	50	N	20	N	>2,000	N
0327CN34	N	300	N	500	N	>2,000	N
0328CN33	N	700	N	200	N	>2,000	N
0329CN33	N	300	N	500	N	>2,000	N
0330CN33	N	300	N	500	N	>2,000	N
0331CN33	N	200	N	100	N	2,000	N
0332CN33	N	150	N	300	N	>2,000	N
0333CN33	N	50	N	150	N	2,000	N
0334CN33	N	300	N	200	N	2,000	N
0335CN33	N	500	N	700	N	>2,000	N
0336CN33	N	200	N	100	N	2,000	N
0337CN33	N	150	N	300	N	>2,000	N
0338CN33	N	50	N	150	N	2,000	N
0339CN33	N	300	N	200	N	2,000	N
0340CN32	N	50	N	N	N	500	N
0341CN32	N	50	N	<20	N	300	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIZ	S-WV	S-AG	S-AS	S-B	S-BA
0342CN32	38 24 14	113 32 27	1.30	20.00	20.00	1.070	500	N	N	50	70
0343CN32	38 23 3	113 32 27	5.00	20.00	30.00	.070	700	N	N	50	200
0344CN32	38 23 1	113 32 28	.30	15.00	30.00	.070	300	N	N	20	70
0345CN32	38 23 0	113 32 30	7.00	10.00	15.00	.700	2,000	N	N	20	7,000
0346CN32	38 22 51	113 36 5	1.00	7.00	30.00	.300	500	N	N	20	>10,000
0347CN32	38 23 35	113 35 49	1.00	15.00	20.00	.200	500	N	N	50	100
0348CN32	38 24 41	113 35 0	.50	7.00	50.00	.070	300	3.0	N	20	700
0349CN32	38 25 48	113 34 50	3.00	15.00	30.00	1.000	2,000	N	N	50	500
0350CN32	38 28 32	113 34 56	5.00	15.00	30.00	.500	2,000	N	N	50	300
0351CN32	38 27 18	113 34 9	2.00	10.00	30.00	.300	1,000	N	N	20	200
0352CN32	38 22 0	113 36 9	.70	7.00	30.00	.100	500	N	N	50	100
0353CN32	38 22 3	113 36 8	1.00	15.00	20.00	.070	500	N	N	20	100
0354CN32	38 22 2	113 36 6	1.00	15.00	30.00	.200	700	N	N	50	100
0355CN33	38 11 51	113 37 12	2.00	1.00	2.00	2.000	700	N	N	300	100
0356CN33	38 9 54	113 36 1	1.50	.50	5.00	2.000	700	N	N	30	300
0357CN33	38 13 18	113 30 21	20.00	2.00	2.00	1.500	2,000	N	N	50	10,000
0358CN33	38 14 22	113 37 36	15.00	7.00	30.00	.015	300	N	N	20	<50
0359CN34	38 14 1	113 28 26	1.00	7.00	7.00	>2.000	5,000	N	N	70	300
0360CN33	38 12 54	113 25 6	2.00	15.00	20.00	.700	3,000	N	N	70	500
0361CN34	38 13 13	113 25 0	2.00	10.00	15.00	1.000	2,000	N	N	50	300
0362CN34	38 13 12	113 25 2	1.00	7.00	15.00	2.000	1,000	N	N	100	500
0363CN34	38 10 23	113 25 50	15.00	7.00	20.00	2.000	5,000	N	N	30	10,000
0364CN34	38 8 25	113 27 0	3.00	5.00	10.00	>2.000	3,000	N	N	100	300
0365CN34	38 3 13	113 28 24	5.00	1.00	7.00	1.000	1,500	N	N	50	1,000
0366CN34	38 5 43	113 29 28	2.00	1.50	15.00	>2.000	5,000	N	N	100	300
0368CN33	38 4 1	113 32 34	30.00	5.00	3.00	>2.000	5,000	N	N	30	5,000
0369CN33	38 6 24	113 32 33	2.00	10.00	15.00	.300	500	N	N	50	500
0370CN33	38 6 51	113 30 36	2.00	7.00	10.00	1.000	300	N	N	20	>10,000
0371CN33	38 5 41	113 37 59	20.00	.70	1.00	1.000	10,000	N	500	200	300
0372CN33	38 2 12	113 37 54	15.00	5.00	2.00	>2.000	2,000	N	N	20	3,000
0373CN33	38 3 12	113 30 54	3.00	1.50	2.00	2.000	3,000	N	N	150	500
0374CN33	38 4 26	113 41 22	5.00	.30	1.50	1.500	5,000	N	N	70	70
0375CN33	38 2 42	113 41 58	10.00	.50	2.00	1.500	2,000	N	N	30	>10,000
0376CN33	38 1 10	113 44 8	15.00	.50	2.00	>2.000	7,000	N	300	200	150
0378CN32	38 17 40	113 38 36	3.00	.70	.70	2.000	300	500.0	N	150	2,000
0379CN32	38 16 13	113 38 50	5.00	.30	1.00	2.000	500	N	N	100	300
0380CN32	38 17 51	113 48 21	.50	1.50	10.00	>2.000	1,000	N	N	100	150
0382CN32	38 18 20	113 49 48	.70	.50	10.00	>2.000	700	N	N	20	700
0383CN32	38 22 0	113 39 2	10.00	.50	.70	2.000	1,000	7.0	N	300	1,000
0384CN32	38 20 33	113 37 47	5.00	.50	1.50	2.000	500	N	N	200	700
0385CN32	38 19 41	113 36 59	7.00	3.00	5.00	1.500	1,000	N	N	150	700
0387CN32	38 20 45	113 36 45	7.00	7.00	15.00	1.000	700	N	N	100	700
0390CN32	38 20 1	113 36 10	10.00	5.00	7.00	1.000	1,000	N	N	200	1,000
0391CN32	38 20 21	113 35 52	1.00	10.00	20.00	.050	200	N	N	20	N
0392CN32	38 20 8	113 35 20	.30	10.00	20.00	.030	500	N	N	20	<50

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	S-RF	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-YO	S-NB	S-NI	S-PB
0342CN32	N	N	N	N	<20	N	N	N	N	N	N
0343CN32	<2.0	N	N	15	50	30	50	N	<50	<10	70
0344CN32	N	N	N	N	<20	N	N	N	N	N	N
0345CN32	<2.0	N	N	20	300	20	70	N	<50	70	300
0345CN32	N	N	N	<10	<20	<10	150	N	N	N	50
0347CN32	<2.0	N	N	N	20	<10	<50	N	N	N	20
0348CN32	N	N	N	N	<20	<10	N	N	N	N	<20
0349CN32	N	N	N	10	30	20	150	N	N	<10	50
0350CN32	<2.0	15	N	50	50	20	70	N	<50	20	70
0351CN32	<2.0	N	N	10	20	<10	N	N	N	<10	30
0352CN32	<2.0	N	N	N	200	<10	N	N	N	<10	<20
0353CN32	N	N	N	N	<20	<10	N	N	N	<10	<20
0354CN32	N	N	N	<10	20	<10	N	N	N	<10	N
0355CN33	1.5	N	N	10	150	20	700	N	50	N	100
0355CN33	2.0	N	N	10	30	<10	300	7	70	<10	50
0357CN33	3.0	N	N	70	150	70	200	N	N	20	150
0358CN33	N	N	N	N	<20	N	N	N	N	N	20
0359CN34	2.0	N	N	50	2,000	20	700	10	70	150	150
0360CN33	<2.0	N	N	<10	<20	<10	N	N	N	N	100
0361CN34	N	N	N	10	50	10	N	10	N	N	300
0362CN34	<2.0	N	N	N	150	10	150	N	<50	N	70
0363CN34	<2.0	N	N	50	2,000	20	500	N	<50	100	100
0364CN34	N	N	N	N	1,500	<10	700	N	70	70	20
0365CN34	<2.0	N	N	20	50	20	150	N	<50	20	100
0366CN34	<2.0	N	N	N	500	<10	2,000	N	100	10	50
0368CN33	2.0	N	N	70	300	20	300	N	<50	20	100
0369CN33	<2.0	N	N	<10	20	<10	300	N	N	N	30
0370CN33	<2.0	N	N	<10	<20	<10	500	N	N	N	20
0371CN33	10.0	15	N	10	50	<10	700	30	200	N	1,000
0372CN33	2.0	N	N	70	100	50	200	N	70	20	100
0373CN33	5.0	N	N	10	30	<10	300	10	100	N	50
0374CN33	10.0	N	N	N	<20	<10	<50	30	500	N	20
0375CN33	2.0	N	N	20	30	15	150	N	50	N	50
0375CN33	10.0	N	N	N	50	10	700	50	150	N	70
0378CN32	3.0	N	N	10	100	50	200	N	<50	10	1,000
0379CN32	3.0	N	N	10	50	10	100	N	70	N	20
0380CN32	<2.0	N	N	N	50	N	1,000	N	70	N	N
0382CN32	<2.0	N	N	N	50	<10	1,500	N	70	N	20
0383CN32	3.0	N	N	15	200	20	500	N	<50	20	1,500
0384CN32	2.0	N	N	10	100	15	300	N	50	<10	N
0385CN32	5.0	N	N	20	150	30	300	10	<50	20	700
0387CN32	5.0	N	N	20	70	50	300	7	50	N	200
0390CN32	3.0	N	N	15	200	30	150	N	<50	50	150
0391CN32	N	N	N	N	<20	<10	N	10	<50	N	<20
0392CN32	N	N	N	N	<20	<10	N	N	N	N	<20

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANG, E--continued

sample	S-SR	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0342CN32	N	N	N	50	N	N	N	50	N
0343CN32	N	N	N	100	N	100	N	>2,000	N
0344CN32	N	N	N	20	N	N	N	1,000	N
0345CN32	N	N	700	500	N	150	N	>2,000	N
0346CN32	N	N	500	50	N	20	N	>2,000	N
0347CN32	N	N	N	50	N	50	N	1,000	N
0348CN32	N	N	200	30	N	<20	N	300	N
0349CN32	N	N	N	100	N	150	N	>2,000	N
0350CN32	N	N	<200	200	N	70	N	2,000	N
0351CN32	N	N	100	100	N	50	N	>2,000	N
0352CN32	N	N	200	70	N	<20	N	300	N
0353CN32	N	N	N	50	N	<20	N	500	N
0354CN32	N	N	N	70	N	N	N	100	N
0355CN33	N	150	200	150	N	500	N	>2,000	N
0356CN33	N	1,000	1,000	150	70	300	N	>2,000	1,000
0357CN33	N	N	500	300	N	300	N	>2,000	N
0358CN33	N	N	N	50	N	N	N	70	N
0359CN34	N	2,000	<200	300	N	700	N	>2,000	N
0360CN33	N	N	N	50	N	200	N	>2,000	N
0361CN34	N	N	N	70	N	150	N	>2,000	N
0362CN34	N	N	N	100	N	500	N	>2,000	N
0363CN34	N	150	700	300	N	700	N	>2,000	N
0364CN34	N	300	N	200	N	2,000	N	>2,000	N
0365CN34	N	N	500	200	N	100	N	2,000	N
0366CN34	N	150	200	300	N	1,500	N	>2,000	N
0367CN33	N	N	300	300	N	200	N	>2,000	N
0368CN33	N	N	<200	70	N	50	N	2,000	N
0369CN33	N	N	1,500	70	N	150	N	>2,000	N
0370CN33	N	>2,000	N	150	N	500	500	>2,000	300
0371CN33	N	15	200	500	N	200	N	>2,000	N
0372CN33	N	N	N	200	N	300	N	>2,000	N
0373CN33	N	200	<200	200	N	300	N	>2,000	N
0374CN33	N	150	N	20	N	150	N	>2,000	N
0375CN33	N	N	1,500	200	N	100	N	>2,000	N
0376CN33	N	500	N	150	N	1,000	N	>2,000	150
0377CN33	N	>2,000	<200	200	N	500	N	>2,000	N
0378CN32	N	N	200	100	N	300	N	>2,000	N
0379CN32	N	20	200	200	N	1,000	N	>2,000	N
0380CN32	N	20	700	200	200	1,000	N	>2,000	N
0381CN32	N	N	500	500	N	200	N	>2,000	N
0382CN32	N	15	300	200	N	300	N	>2,000	N
0383CN32	N	N	N	200	N	200	N	>2,000	N
0384CN32	N	20	200	100	N	500	N	>2,000	N
0385CN32	N	N	<200	300	N	100	N	>2,000	150
0386CN32	N	N	200	200	N	500	N	>2,000	N
0387CN32	N	N	<200	300	N	100	N	>2,000	N
0388CN32	N	N	N	30	N	N	N	>2,000	N
0389CN32	N	N	N	20	N	<20	N	>2,000	N
0390CN32	N	N	N	20	N	300	N	>2,000	N
0391CN32	N	N	N	30	N	700	N	>2,000	N
0392CN32	N	N	N	20	N	300	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	LATITUDE	LONGITUDE	S-FE%	S-MGY	S-CAY	S-TIX	S-MV	S-AG	S-AS	S-B	S-BA
0393CN31	38 22 40	113 28 58	2.00	5.00	15.00	.200	1.500	N	N	20	700
0394CN32	38 22 9	113 30 11	.30	10.00	20.00	.500	200	N	N	30	70
0395CN32	38 21 56	113 32 2	.50	20.00	30.00	.150	500	N	N	<20	<50
0396CN32	38 20 46	113 32 7	7.00	1.50	3.00	.700	1.000	N	N	20	1,000
0397CN32	38 19 58	113 33 45	.50	10.00	20.00	.150	500	N	N	20	70
0398CN32	38 20 7	113 35 2	2.00	10.00	20.00	.500	700	N	N	20	50
0399CN32	38 20 5	113 35 16	1.50	10.00	15.00	.700	1,000	N	N	20	500
0400CN32	38 20 4	113 35 44	.50	15.00	20.00	.070	500	N	N	<20	<50
0401CN32	38 20 10	113 35 47	.30	10.00	20.00	.030	200	N	N	20	50
0402CN32	38 20 22	113 36 7	1.00	10.00	7.00	.100	500	N	N	50	70
0403CN32	38 38 11	113 50 37	5.00	10.00	20.00	.700	700	N	N	150	3,000
0404CN32	38 38 23	113 57 16	.50	10.00	20.00	.100	200	N	N	70	50
0405CN32	38 38 23	113 57 13	3.00	10.00	30.00	.700	300	N	N	70	300
0406CN32	38 38 21	113 57 13	2.00	10.00	30.00	.300	500	N	N	100	100
0407CN32	38 36 53	113 58 57	.50	10.00	10.00	1.000	300	N	N	100	70
0408CN32	38 35 7	113 59 52	2.00	5.00	20.00	.700	500	N	N	50	300
0409CN32	38 30 23	113 54 30	.70	1.00	5.00	2.000	700	N	N	70	200
0410CN32	38 29 17	113 51 48	.20	20.00	30.00	.070	300	N	N	<20	50
0411CN32	38 28 28	113 51 0	15.00	10.00	20.00	>2.000	3,000	N	N	200	700
0412CN32	38 18 55	113 40 9	7.00	.70	.70	2.000	1,000	N	N	200	700
0413CN31	38 21 0	113 27 27	1.50	2.00	7.00	>2.000	1,000	N	N	50	200
0414CN31	38 18 0	113 24 38	3.00	5.00	10.00	>2.000	1,500	N	N	50	500
0415CN31	38 18 21	113 27 17	2.00	2.00	7.00	2.000	1,000	N	N	150	300
0416CN31	38 17 27	113 27 51	.50	7.00	15.00	2.000	2,000	N	N	50	500
0417CN31	38 17 30	113 27 47	3.00	7.00	10.00	1.500	1,000	N	N	70	200
0418CN31	38 17 28	113 27 45	5.00	5.00	5.00	2.000	2,000	N	N	100	300
0419CN31	38 18 36	113 29 13	2.00	2.00	7.00	.700	700	N	N	50	3,000
0420CN34	38 9 47	113 22 17	1.50	10.00	15.00	.070	200	N	N	20	<50
0421CN34	38 9 0	113 22 16	1.50	10.00	15.00	.300	500	N	N	50	70
0422CN34	38 5 16	113 12 11	2.00	5.00	10.00	>2.000	1,000	N	N	700	300
0423CN34	38 4 44	113 11 13	1.50	2.00	5.00	.700	500	N	N	20	200
0424CN34	38 4 33	113 8 37	2.00	5.00	10.00	>2.000	700	N	N	200	500
0425CN34	38 4 42	113 9 5	2.00	5.00	7.00	2.000	1,000	N	N	500	300
0426CN34	38 4 43	113 9 4	2.00	5.00	7.00	1.500	1,500	N	N	150	700
0427CN34	38 6 27	113 10 37	3.00	5.00	7.00	2.000	1,000	N	N	700	700
0428CN34	38 3 22	113 8 52	2.00	5.00	7.00	2.000	1,000	N	N	300	70
0429CN34	38 3 29	113 6 15	2.00	3.00	7.00	>2.000	700	N	N	700	500
0430CN34	38 2 13	113 6 44	10.00	10.00	15.00	>2.000	3,000	N	N	700	300
0431CN34	38 0 23	113 3 7	.70	20.00	50.00	.150	500	N	N	70	500
0432CN34	38 0 25	113 3 8	2.00	5.00	7.00	>2.000	1,000	N	N	500	300
0433CN34	38 0 24	113 3 4	3.00	7.00	10.00	2.000	1,500	N	N	70	150
0434CN31	38 24 1	113 29 48	1.50	7.00	20.00	2.000	1,500	N	N	70	300
0435CN32	38 20 5	113 30 18	10.00	3.00	10.00	1.500	3,000	N	N	100	1,000
0436CN32	38 19 4	113 32 54	5.00	1.00	5.00	2.000	1,000	N	N	70	300
0438CN32	38 18 22	113 34 25	10.00	.70	1.50	>2.000	3,000	N	N	100	500

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-QF	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-N3	S-NI	S-PB
0393CN31	<2.0	N	N	20	1,500	15	<50	30	N	70	20
0394CN32	N	N	N	N	<20	N	50	N	<50	N	N
0395CN32	N	N	N	N	N	N	N	N	N	N	N
0396CN32	2.0	N	N	30	100	50	50	N	<50	N	70
0397CN32	<2.0	N	N	N	<20	N	<50	N	N	N	<20
0398CN32	<2.0	N	N	<10	30	<10	50	N	<50	N	70
0399CN32	<2.0	N	N	<10	<20	<10	100	N	<50	N	<20
0400CN32	N	N	N	N	<20	N	N	N	N	N	N
0401CN32	N	N	N	N	<20	N	N	N	<50	N	N
0402CN32	N	N	N	N	<20	<10	N	N	N	N	<20
0403CN32	N	N	N	10	30	20	N	N	N	<10	100
0404CN32	N	N	N	N	70	N	N	N	N	N	N
0405CN32	N	N	N	N	100	<10	150	N	N	10	<20
0406CN32	<2.0	N	N	<10	100	10	100	10	N	20	100
0407CN32	N	N	N	N	50	N	N	N	N	N	N
0408CN32	<2.0	N	N	N	300	10	500	10	<50	150	<20
0409CN32	N	N	N	N	30	<10	200	N	N	N	N
0410CN32	N	N	N	N	<20	N	100	N	N	N	30
0411CN32	<2.0	N	N	N	500	10	700	N	<50	150	20
0412CN32	3.0	N	N	15	150	30	150	N	<50	15	70
0413CN31	<2.0	N	N	N	700	<10	700	N	100	30	N
0414CN31	<2.0	N	N	30	700	10	700	10	150	100	<20
0415CN31	2.0	N	N	10	300	15	700	N	50	15	50
0416CN31	N	N	N	30	500	10	200	N	<50	50	N
0417CN31	<2.0	N	N	20	200	<10	100	N	<50	50	<20
0418CN31	<2.0	N	N	10	300	10	300	N	50	100	20
0419CN31	<2.0	N	N	15	50	10	<50	N	N	N	20
0420CN34	N	N	N	<10	<20	<10	N	N	N	<10	N
0421CN34	N	N	N	<10	30	<10	70	N	N	N	20
0422CN34	<2.0	N	N	10	1,000	10	700	N	<50	N	100
0423CN34	N	N	N	<10	200	10	70	N	N	N	<20
0424CN34	N	N	N	N	1,000	10	500	N	70	N	70
0425CN34	<2.0	N	N	10	1,500	<10	300	N	<50	N	50
0426CN34	<2.0	N	N	20	1,000	10	300	15	<50	70	70
0427CN34	<2.0	N	N	10	300	10	300	N	50	N	70
0428CN34	N	N	N	N	1,000	<10	300	N	50	50	70
0429CN34	<2.0	N	N	N	1,000	<10	300	N	50	N	70
0430CN34	N	N	N	N	2,000	10	700	N	70	70	50
0431CN34	N	N	N	N	20	<10	300	N	<50	70	70
0432CN34	N	N	N	30	1,000	10	500	N	50	N	<20
0433CN34	<2.0	N	N	N	1,500	<10	300	N	<50	50	30
0434CN31	<2.0	N	N	N	1,500	<10	1,000	N	70	100	<20
0435CN32	<2.0	N	N	30	200	20	150	N	N	N	100
0436CN32	3.0	N	N	N	500	<10	200	N	N	N	70
0437CN32	<2.0	N	N	N	50	<10	200	N	N	N	100

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0303CN31	N	N	1,500	100	100	70	N	>2,000	150
0304CN32	N	N	<200	20	N	50	N	>2,000	N
0305CN32	N	N	500	30	N	N	N	>2,000	N
0306CN32	N	N	200	200	N	70	N	>2,000	N
0307CN32	N	N	50	50	N	<20	N	1,000	N
0308CN32	N	N	N	100	N	70	N	>2,000	N
0309CN32	N	N	<200	150	N	70	N	>2,000	N
0400CN32	N	N	50	50	N	<20	N	300	N
0401CN32	N	N	N	<20	N	N	N	300	N
0402CN32	N	N	N	50	N	20	N	200	N
0403CN32	N	N	200	70	N	100	N	>2,000	N
0404CN32	N	N	N	70	N	50	N	>2,000	N
0405CN32	N	N	500	70	N	200	N	>2,000	N
0406CN32	N	N	300	50	N	150	N	>2,000	N
0407CN32	N	N	N	<20	N	50	N	>2,000	N
0408CN32	N	N	2,000	500	N	700	N	>2,000	N
0409CN32	N	N	N	30	N	300	N	>2,000	N
0410CN32	N	N	<200	20	N	N	N	500	N
0411CN32	N	N	1,000	500	N	1,000	N	>2,000	N
0412CN32	N	N	<200	200	N	150	N	>2,000	N
0413CN31	N	N	200	200	N	1,500	N	>2,000	N
0414CN31	N	N	300	200	N	700	N	>2,000	N
0415CN31	N	N	300	150	N	500	N	>2,000	200
0416CN31	N	N	700	300	N	300	N	>2,000	N
0417CN31	N	N	500	200	N	150	N	>2,000	N
0418CN31	N	N	500	300	N	500	N	>2,000	N
0419CN31	N	N	700	150	N	50	N	>2,000	N
0420CN34	N	N	N	20	N	N	N	300	N
0421CN34	N	N	200	70	N	70	N	>2,000	N
0422CN34	N	N	200	150	N	700	N	>2,000	150
0423CN34	N	N	500	50	N	70	N	>2,000	N
0424CN34	N	N	200	150	N	700	N	>2,000	150
0425CN34	N	N	200	200	N	500	N	>2,000	N
0426CN34	N	N	500	150	100	300	N	>2,000	N
0427CN34	N	N	300	200	N	300	N	>2,000	N
0428CN34	N	N	200	150	N	300	N	>2,000	150
0429CN34	N	N	700	200	N	300	N	>2,000	N
0430CN34	N	N	N	500	N	1,000	N	>2,000	N
0431CN34	N	N	200	30	N	<20	N	>2,000	N
0432CN34	N	N	200	150	N	700	N	>2,000	N
0433CN34	N	N	200	150	N	300	N	>2,000	N
0434CN31	N	N	1,000	150	N	300	N	>2,000	150
0435CN32	N	N	500	200	N	300	N	>2,000	N
0436CN32	N	N	200	150	N	500	N	>2,000	N
0437CN32	N	N	<200	300	N	200	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-WV	S-AG	S-AS	S-B	S-BA
0441CN32	38 17 45	113 39 35	7.00	.50	1.00	>2.000	500	N	N	150	500
0442CN33	38 3 46	113 38 33	5.00	.70	3.00	700	2,000	N	N	70	500
0444CN33	38 0 4	113 38 5	15.00	3.00	3.00	>2.000	1,500	N	N	50	3,000
0446CN33	38 1 37	113 39 42	20.00	1.50	2.00	>2.000	2,000	N	N	30	1,500
0443CN33	38 1 54	113 42 30	15.00	1.50	5.00	2.000	3,000	N	N	50	2,000
0449CN33	38 0 46	113 43 20	5.00	.50	3.00	2.000	3,000	N	N	70	700
0450CN33	38 3 42	113 42 26	15.00	.20	1.50	2.000	5,000	N	300	100	<50
0451CN32	38 3 42	113 43 12	1.00	.70	5.00	.500	700	N	N	30	300
0452CN33	38 5 38	113 41 46	15.00	.70	1.50	2.000	10,000	N	N	100	<50
0453CN33	38 5 27	113 44 2	2.00	.15	1.00	.700	3,000	N	500	100	<50
0456CN33	38 3 35	113 43 3	15.00	.70	3.00	>2.000	2,000	N	N	100	700
0457CN33	38 0 36	113 47 12	10.00	.70	7.00	>2.000	2,000	N	N	150	700
0458CN33	38 0 7	113 47 18	5.00	5.00	7.00	>2.000	2,000	N	N	200	300
0459CN33	38 0 8	113 47 20	2.00	.70	5.00	1.000	700	N	N	70	700
0461CN31	38 19 12	113 28 16	7.00	10.00	15.00	1.500	2,000	N	N	20	300
0462CN23	38 18 40	113 31 8	.50	15.00	20.00	.050	500	N	N	<20	50
0464CN32	38 16 57	113 35 37	10.00	.50	1.50	>2.000	700	N	N	50	700
0465CN32	38 15 59	113 36 58	5.00	.20	1.00	>2.000	500	N	N	100	300
0466CN32	38 15 50	113 36 28	.70	10.00	30.00	.100	200	N	N	20	<50
0467CN31	38 17 12	113 29 54	10.00	2.00	3.00	1.000	1,500	N	N	20	2,000
0468CN32	38 16 29	113 30 18	15.00	.70	.70	.700	1,000	N	N	<20	2,000
0469CN31	38 16 48	113 29 30	10.00	1.50	5.00	1,000	1,500	N	N	20	10,000
0471CN32	38 17 35	113 33 49	3.00	2.00	15.00	2,000	500	N	N	150	200
0472CN32	38 16 0	113 32 43	1.50	10.00	15.00	.200	500	N	N	<20	10,000
0474CN34	38 15 24	113 31 42	7.00	1.50	3.00	2,000	700	N	N	20	3,000
0475CN33	38 14 55	113 30 51	.50	10.00	15.00	.500	2,000	N	N	20	>10,000
0476CN34	38 13 52	113 26 22	.70	10.00	20.00	.150	500	N	N	20	1,000
0478CN31	38 15 21	113 26 1	1.00	.20	1.00	200	2,000	N	N	50	100
0479CN31	38 15 20	113 26 41	3.00	.50	3.00	300	3,000	N	N	30	150
0480CN33	38 10 19	113 30 54	1.00	15.00	20.00	.150	500	N	N	30	300
0482CN33	38 11 35	113 50 6	2.00	.50	2.00	1,000	500	N	N	50	300
0483CN33	38 13 0	113 50 27	10.00	2.00	2.00	1,500	1,500	N	N	50	1,500
0484CN33	38 12 54	113 50 17	2.00	.30	5.00	1,000	700	N	N	70	300
0485CN33	38 10 49	113 47 50	10.00	2.00	2.00	1,000	1,000	N	N	<20	700
0486CN33	38 10 18	113 49 21	10.00	.70	2.00	2,000	1,500	N	N	20	500
0487CN33	38 10 18	113 49 23	5.00	1.00	1.50	1,500	1,500	N	N	30	700
0488CN33	38 10 6	113 49 47	7.00	.70	7.00	300	1,000	N	N	<20	500
0490CN32	38 10 6	113 49 25	10.00	.70	1.50	1,000	700	N	N	30	>10,000
0493CN33	38 8 58	113 47 43	20.00	1.50	1.50	2,000	2,000	N	N	20	700
0495CN33	38 7 43	113 47 40	7.00	.70	3.00	>2,000	2,000	N	N	70	1,500
0496CN33	38 7 25	113 48 21	1.50	10.00	20.00	1,500	500	N	N	30	1,500
0498CN33	38 7 50	113 45 26	3.00	.70	7.00	>2,000	2,000	N	N	30	1,000
0499CN33	38 8 45	113 45 52	3.00	.50	5.00	>2,000	1,500	N	N	20	500
0500CN33	38 13 35	113 48 58	3.00	1.00	3.00	1,500	1,000	N	N	30	700
0502CN33	38 14 27	113 49 4	.70	.30	7.00	>2,000	700	N	N	20	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-RT	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
7441CN32	2.0	N	N	<10	150	10	150	N	<50	N	30
7442CN33	2.0	N	N	N	30	10	150	7	70	N	100
7443CN33	<2.0	N	N	30	150	20	200	N	<50	N	70
7444CN33	2.0	N	N	50	150	30	300	N	<50	20	50
7445CN33	3.0	N	N	10	50	15	500	15	70	N	150
7446CN33	2.0	N	N	15	70	20	300	N	<50	<10	150
7447CN33	15.0	N	N	<10	20	N	300	30	200	N	70
7448CN33	<2.0	N	N	N	30	N	50	N	N	N	20
7449CN33	10.0	15	N	N	<20	N	<50	50	1,000	N	30
7450CN33	10.0	N	N	<10	<20	N	50	20	300	N	<20
7451CN33	7.0	N	N	N	150	10	200	15	<50	N	200
7452CN33	<2.0	N	N	10	150	15	500	N	<50	N	70
7453CN33	2.0	N	N	N	1,500	<10	700	N	50	50	700
7454CN33	<2.0	N	N	15	200	10	150	N	<50	10	30
7455CN33	N	N	N	50	5,000	10	150	N	50	300	N
7456CN33	2.0	N	N	20	<20	<10	N	N	N	N	20
7457CN33	5.0	N	N	N	150	30	200	N	50	15	150
7458CN33	5.0	N	N	N	150	15	300	N	<50	N	150
7459CN33	2.0	N	N	N	<20	<10	N	N	N	N	N
7460CN33	3.0	N	N	20	70	100	100	N	<50	20	100
7461CN33	3.0	N	N	30	70	70	50	N	<50	30	70
7462CN33	2.0	N	N	50	100	70	150	N	<50	20	150
7463CN33	2.0	N	N	10	150	15	200	10	<50	70	50
7464CN33	N	N	N	N	<20	10	<50	N	N	N	30
7465CN33	3.0	N	N	<10	30	20	500	N	<50	N	150
7466CN33	N	N	N	<10	20	15	<50	N	N	N	50
7467CN33	N	N	N	N	<20	<10	N	N	N	N	20
7468CN33	20.0	15	N	<10	<20	N	70	20	100	N	70
7469CN33	15.0	N	N	N	20	<10	300	30	300	N	150
7470CN33	N	N	N	N	<20	<10	N	N	N	N	50
7471CN33	<2.0	N	N	10	20	10	50	N	N	N	50
7472CN33	2.0	N	N	30	100	30	150	7	<50	10	50
7473CN33	2.0	N	N	10	20	15	100	N	N	N	150
7474CN33	<2.0	N	N	30	100	50	200	N	50	20	70
7475CN33	<2.0	N	N	15	70	10	500	N	50	N	70
7476CN33	2.0	N	N	15	30	20	200	N	50	N	100
7477CN33	2.0	N	N	20	100	30	300	N	50	N	100
7478CN33	2.0	N	N	15	20	10	200	N	50	N	100
7479CN33	2.0	N	N	15	30	10	200	N	50	N	100
7480CN33	2.0	N	N	15	30	10	200	N	50	N	100
7481CN33	2.0	N	N	15	30	10	200	N	50	N	100
7482CN33	2.0	N	N	15	30	10	200	N	50	N	100
7483CN33	2.0	N	N	15	30	10	200	N	50	N	100
7484CN33	2.0	N	N	15	30	10	200	N	50	N	100
7485CN33	2.0	N	N	15	30	10	200	N	50	N	100
7486CN33	2.0	N	N	15	30	10	200	N	50	N	100
7487CN33	2.0	N	N	15	30	10	200	N	50	N	100
7488CN33	2.0	N	N	15	30	10	200	N	50	N	100
7489CN33	2.0	N	N	15	30	10	200	N	50	N	100
7490CN33	2.0	N	N	15	30	10	200	N	50	N	100
7491CN33	2.0	N	N	15	30	10	200	N	50	N	100
7492CN33	2.0	N	N	15	30	10	200	N	50	N	100
7493CN33	2.0	N	N	15	30	10	200	N	50	N	100
7494CN33	2.0	N	N	15	30	10	200	N	50	N	100
7495CN33	2.0	N	N	15	30	10	200	N	50	N	100
7496CN33	2.0	N	N	15	30	10	200	N	50	N	100
7497CN33	2.0	N	N	15	30	10	200	N	50	N	100
7498CN33	2.0	N	N	15	30	10	200	N	50	N	100
7499CN33	2.0	N	N	15	30	10	200	N	50	N	100
7500CN33	2.0	N	N	15	30	10	200	N	50	N	100
7501CN33	2.0	N	N	15	30	10	200	N	50	N	100
7502CN33	2.0	N	N	15	30	10	200	N	50	N	100

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-7p	S-TH
0441CV32	V	N	200	150	N	700	N	>2,000	N
0442CV33	N	300	500	150	N	150	N	>2,000	N
0444CV33	N	N	300	500	N	300	N	>2,000	N
0446CV33	V	N	500	500	N	200	N	>2,000	N
0448CV33	N	20	300	300	N	500	N	>2,000	N
0449CV33	V	15	300	300	N	300	N	>2,000	N
0450CV32	V	300	N	70	N	500	500	>2,000	200
0451CV32	N	N	300	50	N	500	N	>2,000	N
0452CV33	V	>2,000	N	30	N	300	N	>2,000	300
0453CV33	N	200	N	50	N	150	N	>2,000	N
0456CV33	N	300	<200	150	N	1,000	N	>2,000	150
0457CV33	N	70	700	300	N	700	N	>2,000	150
0458CV33	N	200	N	200	N	1,000	N	>2,000	150
0459CV33	N	20	1,500	150	N	150	N	>2,000	N
0461CV31	V	N	200	500	N	200	N	>2,000	N
0462CV23	N	N	N	30	N	N	N	500	N
0464CV32	V	15	200	300	N	1,000	N	>2,000	150
0465CV32	V	15	700	200	N	500	N	>2,000	N
0466CV32	V	N	N	20	N	N	N	200	N
0467CV31	N	N	300	300	N	300	N	>2,000	N
0468CV32	V	N	200	150	N	200	N	>2,000	N
0469CV31	V	N	500	200	N	150	N	>2,000	N
0471CV32	V	N	300	200	N	500	N	>2,000	N
0472CV32	V	N	200	50	N	70	N	>2,000	N
0474CV34	N	N	200	200	N	500	N	>2,000	N
0475CV33	V	N	700	70	N	200	N	>2,000	N
0476CV34	V	V	<200	30	N	<20	N	2,000	N
0478CV31	N	N	N	50	N	300	N	>2,000	200
0479CV31	V	2,000	N	50	N	500	N	>2,000	700
0480CV33	V	N	N	70	N	20	N	2,000	N
0482CV33	N	N	500	150	V	150	N	>2,000	N
0483CV33	V	N	500	500	N	70	N	>2,000	N
0484CV33	N	50	700	200	N	200	N	>2,000	N
0485CV33	N	N	200	300	N	100	N	>2,000	N
0486CV33	V	V	300	500	V	200	N	>2,000	200
0487CV33	N	N	500	300	N	200	N	>2,000	500
0489CV33	N	20	1,000	300	N	70	N	>2,000	200
0490CV33	N	N	700	200	N	70	N	>2,000	150
0493CV33	V	N	200	300	V	150	N	>2,000	N
0495CV33	V	V	300	200	V	200	N	>2,000	N
0496CV33	V	100	<200	100	N	100	N	>2,000	N
0498CV33	N	>2,000	500	200	N	500	N	>2,000	N
0499CV33	V	30	300	100	N	500	N	>2,000	150
0500CV33	V	N	500	70	N	200	N	>2,000	150
0502CV33	V	50	500	200	N	700	N	>2,000	150

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-WGX	S-CAX	S-TIX	S-WV	S-AG	S-AS	S-B	S-BA
0503CN33	38 11 55	113 53 8	2.00	.70	3.00	2.000	700	N	N	20	700
0504CN33	38 11 16	113 53 3	3.00	.50	2.00	1.500	700	N	N	30	>10,000
0505CN33	38 11 30	113 54 15	1.50	1.00	7.00	>2.000	1,000	N	N	<20	300
0506CN33	38 14 7	113 53 14	.70	.50	10.00	>2.000	700	N	N	30	300
0508CN42	38 24 19	112 49 18	.70	1.00	5.00	>2.000	1,000	N	N	30	200
0511CN33	38 0 49	113 51 21	2.00	3.00	7.00	2.000	1,000	N	N	30	300
0514CN33	38 5 20	113 49 17	5.00	3.00	10.00	1.500	700	3.0	N	50	500
0516CN33	38 7 45	113 52 17	10.00	.50	3.00	.700	1,000	N	N	30	300
0517CN33	38 9 2	113 52 7	.50	.10	3.00	>2.000	1,500	N	700	20	N
0518CN33	38 8 49	113 52 38	10.00	1.00	2.00	1.500	1,000	N	N	70	2,000
0523CN32	38 15 53	113 53 17	5.00	.50	10.00	.200	2,000	N	N	70	300
0525CN31	38 16 30	113 55 12	2.00	1.00	7.00	1.000	1,500	N	N	50	1,500
0526CN32	38 17 2	113 54 34	5.00	3.00	15.00	700	1,000	N	N	100	500
0528CN32	38 17 4	113 55 46	1.50	10.00	20.00	1.000	500	N	N	200	70
0529CN32	38 17 38	113 57 0	.70	15.00	30.00	.070	500	N	N	30	70
0530CN32	38 18 36	113 57 28	.30	7.00	15.00	.070	200	N	N	20	<50
0531CN32	38 18 33	113 55 25	.70	1.00	2.00	.300	700	150.0	N	50	200
0533CN32	38 19 18	113 51 4	.70	.50	5.00	2.000	500	N	N	30	500
0534CN32	38 19 55	113 51 3	.50	1.00	7.00	2.000	500	N	N	20	150
0538CN32	38 19 23	113 48 10	.70	.30	7.00	>2.000	500	N	N	<20	700
0539CN32	38 19 28	113 48 10	.70	.50	10.00	>2.000	700	N	N	20	300
0540CN31	38 19 28	113 48 12	.70	.50	7.00	>2.000	700	N	N	30	300
0541CN32	38 18 57	113 47 34	.70	.70	10.00	>2.000	700	N	N	20	300
0542CN42	38 27 7	112 49 33	1.00	.10	7.00	>2.000	2,000	N	N	20	70
0543CN42	38 28 1	112 45 36	.70	.15	3.00	>2.000	1,000	N	N	20	200
0544CN42	38 26 12	112 46 11	3.00	.15	1.00	1.000	3,000	N	N	100	300
0545CN42	38 26 48	112 47 45	1.00	.20	5.00	>2.000	1,500	N	N	30	100
0546CN42	38 23 11	112 46 40	2.00	.50	10.00	>2.000	3,000	2.0	N	50	300
0547CN42	38 22 32	112 47 17	2.00	.50	3.00	2.000	700	N	N	30	>10,000
0548CN42	38 21 53	112 47 32	1.00	.15	10.00	>2.000	2,000	N	N	20	50
0549CN42	38 20 15	112 48 6	.50	.10	3.00	>2.000	1,000	N	700	20	100
0550CN42	38 16 13	112 49 17	3.00	7.00	15.00	.500	1,500	N	N	30	500
0551CN43	38 11 38	112 50 35	20.00	1.00	5.00	2.000	10,000	3.0	700	50	1,000
0552CN43	38 12 5	112 48 6	10.00	10.00	15.00	>2.000	3,000	N	N	100	500
0553CN43	38 11 23	112 47 34	5.00	5.00	15.00	2.000	1,500	N	N	50	700
0554CN43	38 12 3	112 45 31	5.00	5.00	15.00	1.500	1,500	N	N	30	100
0555CN43	38 8 24	112 47 47	1.50	1.50	3.00	.500	500	N	N	70	300
0556CN43	38 8 4	112 50 14	1.50	2.00	5.00	1.000	700	N	N	100	300
0557CN31	38 8 42	112 55 2	2.00	2.00	5.00	1.500	700	N	N	200	500
0558CN43	38 8 22	112 56 53	1.50	2.00	5.00	2.000	700	N	N	70	500
0559CN43	38 11 9	112 53 50	7.00	2.00	10.00	2.000	2,000	N	N	70	700
0560CN43	38 6 58	112 56 23	7.00	5.00	10.00	1.500	2,000	N	N	70	700
0561CN43	38 5 42	112 56 16	2.00	5.00	10.00	1.000	700	N	N	50	300
0562CN42	38 7 23	112 53 58	7.00	1.00	3.00	2.000	1,500	N	N	50	700
0563CN43	38 13 29	112 53 16	7.00	7.00	15.00	.500	2,000	N	N	150	>10,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BF	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0503CN33	<2.0	N	N	10	20	300	200	N	<50	N	2,000
0504CN33	N	N	N	10	30	1,000	200	100	N	N	30,000
0505CN33	<2.0	N	N	N	150	<10	700	10	100	N	20
0506CN33	<2.0	N	N	<10	50	N	1,000	N	70	N	20
0508CN42	N	N	N	N	150	10	700	15	200	10	20
0511CN33	<2.0	N	N	20	1,000	10	500	N	50	100	<20
0514CN33	<2.0	N	N	15	20	<10	300	7	<50	N	150
0516CN33	2.0	N	N	30	100	50	150	N	N	15	100
0517CN33	N	N	N	N	<20	15	>2,000	N	300	N	150
0518CN33	2.0	N	70	30	50	500	200	7	<50	N	1,500
0523CN32	<2.0	N	N	10	500	15	50	N	N	N	20
0525CN31	3.0	N	N	15	300	N	150	N	N	N	20
0526CN32	<2.0	N	N	10	70	<10	300	N	<50	<10	70
0528CN32	2.0	N	N	<10	20	<10	100	N	<50	N	<20
0529CN32	<2.0	N	N	<10	<20	<10	N	N	N	N	20
0530CN32	N	N	N	N	<20	N	N	N	N	N	N
0531CN32	N	N	N	<10	20	N	N	N	N	N	N
0533CN32	<2.0	N	N	N	20	N	500	N	70	N	20
0534CN32	2.0	N	N	N	<20	N	700	N	50	N	N
0538CN32	<2.0	N	N	N	<20	N	700	10	200	N	70
0539CN32	<2.0	N	N	N	20	N	1,000	10	100	N	<20
0540CN31	<2.0	N	N	N	20	N	500	N	70	N	N
0541CN32	<2.0	N	N	N	50	N	1,000	N	100	N	100
0542CN42	N	N	N	N	<20	N	1,500	10	150	N	150
0543CN42	<2.0	N	N	N	<20	10	700	20	500	N	100
0544CN42	7.0	15	N	<10	<20	<10	70	30	300	N	70
0545CN42	<2.0	N	N	N	<20	<10	1,500	N	200	N	150
0546CN42	10.0	N	N	N	20	10	>2,000	N	200	N	150
0547CN42	N	N	N	10	20	1,000	300	200	N	N	30,000
0548CN42	N	N	N	N	<20	10	>2,000	N	150	N	100
0549CN42	<2.0	N	N	N	<20	20	>2,000	30	200	N	500
0550CN42	<2.0	N	N	30	1,500	20	500	N	N	150	50
0551CN43	7.0	N	N	100	100	200	500	N	<50	20	300
0552CN43	N	N	N	50	1,500	10	300	N	50	100	<20
0553CN43	<2.0	N	N	20	1,500	10	700	N	70	100	<20
0554CN43	N	N	N	30	1,000	20	500	N	70	70	20
0555CN43	<2.0	N	N	<10	150	10	150	N	<50	10	70
0556CN43	N	N	N	N	300	<10	150	N	50	15	70
0557CN31	3.0	N	N	10	700	<10	200	N	50	15	20
0558CN43	<2.0	N	N	10	300	15	300	N	100	20	70
0559CN43	<2.0	N	N	15	200	15	700	N	<50	N	100
0560CN43	<2.0	N	N	30	700	10	150	N	<50	50	150
0561CN43	<2.0	N	N	N	700	10	300	N	50	50	700
0562CN42	2.0	N	N	10	50	10	200	N	N	N	150
0563CN43	<2.0	N	N	10	300	30	50	N	N	30	30

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-SV	S-W	S-Y	S-ZN	S-ZR	S-TH
0503CN33	N	N	500	300	N	200	N	>2,000	N
0504CN33	N	N	700	300	N	300	N	>2,000	N
0505CN33	N	50	300	300	N	200	N	>2,000	300
0506CN33	N	30	700	200	N	700	N	>2,000	N
0508CN42	N	50	<200	100	N	200	N	>2,000	300
0511CN33	N	70	700	200	N	300	N	>2,000	200
0514CN33	N	70	200	150	N	200	N	>2,000	N
0515CN33	N	N	500	300	N	70	N	>2,000	N
0517CN33	N	150	N	100	N	5,000	N	>2,000	>5,000
0518CN33	N	N	200	200	N	200	2,000	>2,000	N
0523CN32	N	N	200	70	N	300	N	>2,000	N
0525CN31	N	N	500	100	N	300	N	>2,000	N
0526CN32	N	N	1,000	300	N	100	N	>2,000	N
0528CN32	N	N	200	100	N	70	N	2,000	N
0529CN32	N	N	N	50	N	20	N	1,000	N
0530CN32	N	N	N	20	N	N	N	70	N
0531CN32	N	70	200	50	N	200	700	>2,000	150
0533CN32	N	30	700	200	N	500	N	>2,000	150
0534CN32	N	50	200	150	N	700	N	>2,000	N
0538CN32	N	50	700	150	N	500	N	>2,000	200
0539CN32	N	50	500	150	70	1,000	N	>2,000	150
0547CN31	N	50	300	150	N	700	N	>2,000	150
0541CN32	N	150	300	150	N	1,500	N	>2,000	N
0542CN42	N	150	N	150	N	1,500	N	>2,000	700
0543CN42	N	70	N	150	N	500	N	>2,000	>5,000
0546CN42	N	2,000	N	50	N	200	N	>2,000	700
0545CN42	N	200	N	150	N	1,000	N	>2,000	5,000
0546CN42	N	100	N	150	N	5,000	N	>2,000	>5,000
0547CN42	N	N	700	3,000	N	200	N	>2,000	N
0548CN42	N	200	N	150	N	3,000	N	>2,000	5,000
0549CN42	N	100	N	70	150	2,000	N	>2,000	>5,000
0550CN42	N	N	1,000	200	N	200	N	>2,000	N
0551CN43	N	N	300	300	N	200	N	>2,000	N
0552CN43	N	50	200	300	N	1,000	N	>2,000	N
0553CN43	N	30	500	300	N	500	N	>2,000	150
0554CN43	N	15	200	200	N	200	N	>2,000	N
0555CN43	N	N	300	70	N	100	N	>2,000	N
0556CN43	N	N	700	100	N	150	N	>2,000	N
0557CN31	N	50	200	100	N	300	N	>2,000	200
0558CN43	N	15	500	150	N	300	N	>2,000	150
0559CN43	N	15	500	200	N	300	N	>2,000	150
0560CN43	N	N	700	300	N	200	N	>2,000	N
0561CN43	N	15	700	150	N	200	N	>2,000	N
0562CN42	N	N	300	200	N	150	N	>2,000	N
0563CN43	N	N	700	300	N	70	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-WG%	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0566CN42	38 18 2	112 46 41	70	10.00	20.00	1.500	1.000	N	N	20	50
0565CN42	38 18 47	112 46 20	70	5.00	15.00	>2.000	700	N	N	30	300
0565CN42	38 20 2	112 45 53	1.00	.20	7.00	>2.000	1.000	N	N	100	100
0567CN42	38 20 34	112 51 46	70	.15	10.00	>2.000	1.500	N	N	<20	<50
0568CN42	38 19 53	112 51 9	1.00	.15	7.00	>2.000	1.500	N	N	<20	50
0569CN42	38 18 42	112 50 29	70	.50	7.00	>2.000	700	N	N	20	150
0571CN42	38 18 5	112 49 11	30	10.00	20.00	.150	500	N	N	<10	N
0572CN42	38 18 45	112 48 32	50	10.00	15.00	.300	500	N	N	20	N
0573CN42	38 17 2	112 46 43	70	7.00	15.00	2.000	500	N	N	30	50
0574CN42	38 17 14	112 49 49	30.00	3.00	10.00	1.500	1.500	N	N	50	200
0575CN42	38 21 57	112 51 22	70	.20	15.00	>2.000	1.000	N	N	<20	50
0576CN42	38 6 2	113 25 47	1.50	2.00	10.00	>2.000	1.500	N	N	20	500
0578CN42	38 4 51	113 27 1	5.00	2.00	10.00	>2.000	3.000	N	N	30	700
0579CN42	38 4 16	113 27 59	2.00	7.00	15.00	2.000	700	N	N	50	10,000
0582CN42	38 1 33	113 27 57	3.00	2.00	7.00	>2.000	1.500	N	N	30	>10,000
0585CN42	38 16 33	113 46 25	1.00	.50	10.00	>2.000	700	N	N	20	300
0586CN42	38 14 49	113 50 54	70	1.00	2.00	.150	150	N	N	20	1,500
0588CN42	38 21 4	112 47 26	70	.50	15.00	>2.000	1.500	N	N	20	150
0589CN42	38 24 43	112 46 3	1.50	.70	5.00	>2.000	1.500	N	N	20	200
0591CN42	38 15 25	112 40 13	5.00	5.00	15.00	1.500	1.500	N	N	30	300
0592CN42	38 7 12	112 48 22	2.00	5.00	10.00	>2.000	1.500	N	N	150	200
0593CN42	38 5 41	112 47 0	2.00	5.00	7.00	.300	700	N	N	100	300
0594CN42	38 3 53	112 45 12	2.00	2.00	15.00	.200	500	N	N	20	700
0595CN42	38 2 22	112 46 4	1.50	2.00	10.00	.500	700	N	N	30	300
0596CN42	38 1 58	112 47 34	5.00	5.00	15.00	.700	1.000	N	N	30	200
0597CN42	38 2 48	112 47 49	3.00	5.00	10.00	.700	1.000	N	N	30	300
0598CN42	38 2 46	112 49 32	3.00	5.00	15.00	.700	1.000	N	N	<20	300
0599CN42	38 1 25	112 49 1	3.00	5.00	15.00	.300	700	N	N	20	500
0600CN42	38 1 20	112 51 50	3.00	5.00	10.00	.300	1.000	N	N	20	200
0601CN42	38 31 47	113 29 16	7.00	10.00	15.00	1.000	3.000	N	N	50	3,000
0602CN42	38 33 19	113 28 5	.50	15.00	20.00	.100	500	N	N	<20	50
0603CN42	38 33 11	113 30 32	.50	10.00	30.00	.100	500	N	N	20	150
0604CN42	38 36 35	113 30 21	.30	15.00	20.00	.070	300	N	N	20	50
0605CN42	38 36 15	113 26 16	.50	15.00	20.00	.070	300	N	N	<20	70
0606CN42	38 36 53	113 27 20	.50	15.00	30.00	.150	300	N	N	<20	50
0607CN42	38 38 9	113 28 22	1.50	10.00	20.00	2.000	700	N	N	150	300
0608CN42	38 38 35	113 31 30	1.00	15.00	30.00	.100	500	N	N	30	50
0609CN42	38 38 7	113 33 3	.50	10.00	30.00	.100	300	N	N	30	50
0610CN42	38 37 37	113 33 59	.50	10.00	20.00	.030	150	N	N	20	70
0611CN42	38 37 2	113 33 12	.70	15.00	20.00	.030	150	N	N	<20	70
0612CN42	38 36 59	113 33 9	70	10.00	20.00	.050	200	N	N	20	70
0613CN42	38 30 36	113 33 44	2.00	7.00	20.00	2.000	1.000	N	N	30	200
0614CN42	38 40 58	113 33 12	5.00	10.00	20.00	>2.000	1.000	N	N	70	300
0615CN42	38 44 24	113 34 24	1.50	2.00	15.00	>2.000	1.000	N	N	20	700
0616CN42	38 41 56	113 31 45	2.00	5.00	30.00	2.000	700	N	N	50	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-BT	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0564CV42	<2.0	15	N	<10	<20	<10	700	N	150	N	<20
0565CV42	<2.0	N	N	N	20	10	2,000	20	500	N	150
0566CV42	<2.0	N	N	N	30	<10	>2,000	N	300	N	100
0567CV42	N	N	N	N	<20	<10	2,000	30	300	N	50
0568CV42	N	N	N	N	<20	<10	2,000	30	300	N	50
0569CV42	<2.0	200	N	N	30	<10	700	70	300	N	300
0571CV42	N	N	N	N	N	N	150	N	<50	N	<20
0572CV42	N	15	N	N	<20	N	500	30	100	10	<20
0573CV42	<2.0	N	N	N	30	<10	500	15	150	N	300
0574CV42	<2.0	N	N	15	700	70	500	7	50	50	700
0575CV42	N	N	N	N	20	<10	2,000	20	300	N	150
0576CV34	N	N	N	N	500	<10	700	30	200	20	50
0578CV34	<2.0	N	N	N	200	15	700	7	100	N	70
0579CV34	N	N	N	N	70	<10	500	20	70	N	70
0580CV34	<2.0	N	N	N	200	15	500	10	100	20	70
0583CV32	<2.0	N	N	N	50	N	700	10	200	N	20
0584CV32	N	N	N	N	100	N	N	N	N	N	N
0588CV42	<2.0	30	N	N	30	<10	2,000	20	300	N	70
0590CV42	3.0	N	N	20	<20	15	1,500	10	300	N	70
0591CV42	<2.0	N	N	15	1,000	15	500	N	<50	100	20
0592CV43	<2.0	N	N	20	1,000	10	500	N	100	70	70
0593CV43	<2.0	N	N	30	700	10	<50	N	<50	70	<20
0594CV43	N	N	N	15	150	10	N	N	<50	N	N
0595CV43	N	15	N	N	200	70	100	15	50	10	150
0596CV43	N	N	N	30	100	15	50	N	<50	N	N
0597CV42	N	N	N	15	700	15	<50	N	<50	30	20
0598CV43	<2.0	N	N	10	300	<10	N	N	<50	20	N
0599CV43	N	N	N	15	500	15	50	N	<50	20	<20
0600CV43	N	N	N	15	300	10	<50	N	<50	20	N
0601CV24	<2.0	N	N	70	5,000	20	150	N	<50	200	<20
0602CV24	N	N	N	N	<20	N	N	N	N	N	20
0603CV23	N	N	N	N	<20	<10	N	N	N	<10	<20
0604CV23	N	N	N	N	<20	<10	N	N	N	N	<20
0605CV24	N	N	N	<10	20	<10	N	N	N	N	N
0606CV24	N	N	N	N	<20	<10	N	N	N	<10	N
0607CV24	<2.0	N	N	10	100	<10	200	N	50	N	20
0608CV23	N	N	N	N	20	N	N	N	N	N	<20
0609CV23	N	N	N	N	20	<10	N	N	N	N	<20
0610CV23	N	N	N	N	<20	N	N	50	N	20	<20
0611CV23	N	N	N	N	<20	N	N	N	N	N	<20
0612CV23	N	N	N	N	20	N	N	N	N	N	<20
0613CV23	<2.0	N	N	10	30	<10	300	10	N	N	30
0614CV23	<2.0	N	N	10	150	10	300	10	50	N	50
0615CV23	N	N	N	N	100	<10	700	20	200	N	20
0616CV23	<2.0	N	N	10	30	<10	300	10	50	N	50

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SV	S-SR	S-SV	S-SW	S-Y	S-ZN	S-ZR	S-TH
0566CN42	N	20	N	70	N	200	N	>2,000	500
0565CN42	N	100	N	100	100	500	N	>2,000	2,000
0565CN42	N	300	N	150	N	2,000	N	>2,000	5,000
0567CN42	N	150	N	150	N	1,000	N	>2,000	1,000
0568CN42	N	150	N	200	N	1,000	N	>2,000	3,000
0569CN42	N	150	N	150	500	500	N	>2,000	3,000
0571CN42	N	N	N	<15	N	50	N	>2,000	N
0572CN42	N	20	N	50	300	100	N	>2,000	300
0573CN42	N	50	N	100	N	200	N	>2,000	1,000
0574CN42	N	20	500	500	N	200	300	>2,000	150
0575CN42	N	150	N	200	N	700	N	>2,000	1,000
0575CN42	N	100	N	200	N	500	N	>2,000	150
0578CN42	N	30	200	300	N	700	N	>2,000	N
0579CN42	N	20	<200	200	N	150	N	>2,000	N
0582CN42	N	150	500	150	N	300	N	>2,000	200
0585CN42	N	500	700	150	N	1,000	N	>2,000	200
0586CN42	N	200	<200	20	N	150	N	>2,000	200
0588CN42	N	100	500	150	300	1,000	N	>2,000	3,000
0589CN42	N	N	1,000	300	N	300	N	>2,000	2,000
0592CN42	N	20	500	150	N	300	N	>2,000	500
0593CN42	N	N	700	150	N	100	N	>2,000	N
0594CN42	N	N	1,500	150	N	<20	N	700	N
0595CN42	N	15	1,000	100	N	100	N	>2,000	N
0596CN42	N	N	500	200	N	70	N	>2,000	N
0597CN42	N	N	1,000	200	N	100	N	>2,000	N
0598CN42	N	N	1,500	150	N	70	N	>2,000	N
0599CN42	N	N	2,000	150	N	70	N	>2,000	N
0600CN42	N	15	700	300	N	150	N	>2,000	N
0601CN42	N	N	N	<20	N	N	N	200	N
0602CN42	N	N	500	30	N	<20	N	200	N
0603CN42	N	N	N	20	N	500	N	500	N
0604CN42	N	N	<200	30	N	<20	N	1,000	N
0605CN42	N	N	<200	50	N	N	N	700	N
0607CN42	N	N	300	100	N	200	N	>2,000	N
0608CN42	N	N	N	70	N	<20	N	300	N
0609CN42	N	N	N	20	N	<20	N	150	N
0610CN42	N	N	N	20	100	N	N	30	N
0611CN42	N	N	N	20	N	N	N	100	N
0612CN42	N	N	N	30	N	N	N	100	N
0613CN42	N	20	500	150	N	300	N	>2,000	N
0614CN42	N	20	300	200	N	700	N	>2,000	N
0615CN42	N	50	500	200	N	700	N	>2,000	N
0616CN42	N	15	500	200	N	200	500	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAX	S-TIX	S-WN	S-AG	S-AS	S-B	S-BA
0617CN23	38 42 7	113 31 5	2.00	7.00	20.00	2.000	700	N	N	50	300
0618CN23	38 41 26	113 30 49	2.00	5.00	30.00	2.000	700	N	N	50	200
0619CN23	38 41 9	113 31 7	1.50	5.00	20.00	1.500	700	N	N	30	200
0620CN23	38 41 3	113 31 6	2.00	7.00	15.00	1.500	700	N	N	30	300
0621CN21	38 48 24	113 23 51	1.50	7.00	15.00	2.000	500	N	N	30	200
0622CN21	38 52 9	113 27 29	1.50	7.00	15.00	2.000	1,000	N	N	100	10,000
0623CN23	38 52 1	113 26 15	30	10.00	20.00	1.00	150	N	N	150	70
0624CN21	38 49 41	113 27 34	30	15.00	30.00	2.00	300	N	N	20	20
0625CN21	38 50 45	113 29 14	1.00	1.00	5.00	.300	200	N	N	20	500
0626CN21	38 51 15	113 29 34	1.50	10.00	20.00	>2.000	700	N	N	200	300
0627CN22	38 51 47	113 35 10	70	10.00	15.00	1.500	300	N	N	30	300
0628CN22	38 51 23	113 34 56	1.00	10.00	20.00	1.000	500	N	N	20	50
0629CN22	38 49 9	113 33 44	1.50	7.00	15.00	>2.000	700	N	N	20	100
0630CN22	38 47 11	113 34 5	2.00	70	5.00	>2.000	1,000	N	N	30	200
0631CN22	38 49 14	113 37 12	.50	10.00	20.00	.500	300	N	N	<20	50
0632CN21	38 48 15	113 21 18	.50	20.00	30.00	1.700	300	N	N	<20	50
0633CN21	38 40 52	113 19 14	7.00	7.00	30.00	>2.000	1,000	N	N	100	300
0634CN21	38 40 52	113 19 11	2.00	10.00	20.00	1.500	700	N	N	70	200
0635CN21	38 49 54	113 19 9	1.50	7.00	20.00	1.500	700	N	N	30	200
0636CN21	38 51 50	113 21 4	2.00	7.00	20.00	>2.000	1,000	N	N	70	300
0637CN21	38 50 48	113 20 48	1.50	5.00	15.00	>2.000	700	N	N	20	150
0638CN21	38 58 42	113 20 39	2.00	10.00	20.00	1.500	700	N	N	70	2,000
0639CN21	38 58 6	113 19 23	3.00	10.00	30.00	>2.000	1,500	N	N	70	500
0640CN21	38 57 37	113 16 56	2.00	7.00	20.00	2.000	700	N	N	70	700
0641CN21	38 55 35	113 24 14	.15	15.00	30.00	.020	300	N	N	<20	<50
0642CN21	38 54 11	113 25 21	.50	15.00	20.00	1.700	300	N	N	70	50
0643CN21	38 54 34	113 26 49	.50	15.00	20.00	1.00	300	N	N	20	<50
0644CN21	38 50 10	113 29 20	.30	15.00	30.00	.070	200	N	N	20	50
0645CN21	38 57 13	113 29 6	.30	20.00	30.00	1.00	300	N	N	50	50
0646CN21	38 56 34	113 29 24	.50	10.00	2.00	.030	100	N	N	20	70
0647CN21	38 55 28	113 28 57	.50	15.00	20.00	1.000	500	N	N	20	N
0648CN21	38 52 48	113 28 14	1.00	7.00	10.00	>2.000	500	N	N	50	5,000
0649CN22	38 54 0	113 31 27	1.00	7.00	15.00	1.000	700	N	N	20	500
0650CN22	38 58 5	113 31 22	.50	15.00	15.00	1.500	500	N	N	20	<50
0651CN22	38 53 12	113 32 35	.15	10.00	20.00	.700	200	N	N	<20	<50
0652CN22	38 45 50	113 37 6	2.00	1.00	10.00	1.500	1,000	N	N	50	500
0653CN22	38 45 34	113 34 18	2.00	7.00	15.00	>2.000	700	N	N	20	200
0654CN24	38 41 31	113 29 5	2.00	15.00	20.00	>2.000	1,000	N	N	100	200
0655CN24	38 36 29	113 28 14	.70	20.00	30.00	.200	500	N	N	20	100
0656CN24	38 31 14	113 27 50	7.00	7.00	15.00	.700	1,000	N	N	20	7,000
0657CN21	38 47 20	113 21 3	.50	15.00	50.00	1.150	700	N	N	<20	50
0658CN21	38 45 9	113 20 51	1.00	10.00	30.00	1.000	500	N	N	30	300
0659CN21	38 48 6	113 18 34	.50	20.00	30.00	1.00	500	N	N	<20	50
0660CN21	38 53 48	113 17 19	1.00	10.00	20.00	.300	500	N	N	50	300
0661CN21	38 52 41	113 17 39	5.00	5.00	15.00	1.000	1,500	N	N	70	500

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0617CN23	<2.0	N	N	15	100	<10	500	N	50	N	30
0618CN23	<2.0	N	N	10	30	<10	300	N	70	N	30
0619CN23	<2.0	N	N	10	30	<10	300	10	70	N	20
0620CN23	<2.0	N	N	<10	30	<10	150	N	<50	N	30
0621CN21	<2.0	N	N	N	100	<10	500	N	100	N	20
0622CN21	N	N	N	20	30	15	200	N	70	N	30
0623CN23	N	N	N	N	<20	<10	N	N	N	N	N
0624CN21	N	N	N	N	<20	N	150	N	N	N	N
0625CN21	<2.0	N	N	N	30	<10	70	N	N	N	50
0626CN21	<2.0	N	N	N	70	<10	500	N	70	N	300
0627CN22	N	N	N	<10	20	<10	100	N	<50	N	<20
0628CN22	N	N	N	<10	50	N	150	N	50	N	N
0629CN22	<2.0	N	N	N	70	N	700	10	150	N	50
0630CN22	<2.0	N	N	N	150	15	700	10	150	N	20
0631CN22	N	N	N	N	<20	N	100	N	<50	N	50
0632CN21	N	N	N	<10	<20	N	150	N	<50	N	N
0633CN21	<2.0	N	N	15	100	15	300	10	100	N	50
0634CN21	<2.0	N	N	20	100	20	200	N	50	<10	70
0635CN21	<2.0	N	N	10	50	10	300	N	<50	N	20
0636CN21	N	N	N	N	150	<10	500	10	150	<10	20
0637CN21	N	N	N	10	70	<10	500	15	200	N	70
0638CN21	N	N	N	20	70	15	200	N	50	N	30
0639CN21	N	N	N	15	200	<10	300	N	70	N	<20
0640CN21	N	N	N	20	20	30	700	N	70	N	20
0641CN21	N	N	N	N	<20	N	N	7	N	N	N
0642CN21	<2.0	N	N	N	20	N	100	N	<50	N	150
0643CN21	N	N	N	N	<20	N	<50	N	N	N	<20
0644CN21	N	N	N	N	<20	N	N	N	N	N	N
0645CN21	N	N	N	<10	<20	<10	N	N	N	<10	<20
0646CN21	N	N	N	N	<20	<10	N	N	N	N	<20
0647CN21	N	N	N	N	<20	N	150	N	50	N	N
0648CN21	N	N	N	N	50	N	300	N	100	N	20
0649CN22	N	N	N	N	30	N	150	N	N	N	<20
0650CN22	<2.0	N	N	<10	30	N	300	N	70	100	N
0651CN22	N	N	N	<10	<20	<10	N	N	N	<10	<20
0652CN22	<2.0	N	N	10	30	<10	300	N	50	<10	20
0653CN22	<2.0	N	N	N	100	10	700	20	200	N	70
0654CN24	<2.0	N	N	N	150	10	700	N	70	N	100
0655CN24	N	N	N	N	20	N	N	N	N	<10	20
0656CN24	N	N	N	50	1,500	30	100	10	<50	150	<20
0657CN21	N	N	N	N	30	N	<50	N	N	N	N
0658CN21	N	N	N	<10	150	N	100	N	<50	N	N
0659CN21	N	N	N	N	<20	N	N	N	N	N	N
0660CN21	N	N	N	N	50	N	N	N	N	N	100
0661CN21	N	N	N	15	150	<10	150	N	<50	10	<20

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
7617CV23	N	15	500	200	N	500	N	>2,000	N
7618CV23	N	15	500	150	N	300	N	>2,000	N
7619CV23	N	N	500	100	N	150	N	>2,000	150
7620CV23	N	N	500	70	V	300	N	>2,000	N
7621CV21	N	20	300	150	N	500	N	>2,000	N
7622CV21	N	15	500	70	N	200	N	>2,000	N
7623CV23	N	N	N	<20	N	<20	N	2,000	N
7624CV21	N	N	<200	50	N	20	N	2,000	N
7625CV21	N	V	1,000	30	V	70	N	>2,000	N
7626CV21	N	20	<200	150	N	700	N	>2,000	N
7627CV22	N	N	200	50	V	150	N	>2,000	N
7628CV22	N	15	<200	100	N	200	N	>2,000	N
7629CV22	N	30	<200	150	N	500	N	>2,000	N
7630CV22	N	50	<200	200	N	700	N	>2,000	N
7631CV22	N	N	<200	50	V	100	N	>2,000	N
7632CV21	N	N	N	70	N	100	N	>2,000	N
7633CV21	N	N	500	300	N	500	N	>2,000	N
7634CV21	N	N	500	150	N	200	N	>2,000	N
7635CV21	N	N	700	70	N	150	N	>2,000	N
7636CV21	N	20	500	300	V	300	N	>2,000	N
7637CV21	N	30	700	150	N	500	N	>2,000	150
7638CV21	N	N	200	100	N	200	N	>2,000	N
7639CV21	N	N	500	200	N	500	N	>2,000	N
7640CV21	N	N	1,000	150	N	700	N	>2,000	N
7641CV21	N	N	N	20	N	<20	N	300	N
7642CV21	N	N	<200	70	V	150	N	>2,000	N
7643CV21	N	N	<200	50	N	<20	N	500	N
7644CV21	N	N	<200	20	N	N	N	300	N
7645CV21	N	N	<200	50	N	20	N	700	N
7646CV21	N	N	1,500	20	N	V	N	200	N
7647CV21	N	N	N	70	N	200	N	>2,000	N
7648CV21	N	20	N	100	N	500	N	>2,000	N
7649CV22	N	N	1,000	70	N	200	N	>2,000	N
7650CV22	N	N	<200	100	N	200	N	>2,000	N
7651CV22	N	N	N	50	N	<20	N	300	N
7652CV22	N	N	2,000	150	N	200	N	2,000	N
7653CV22	N	50	<200	100	N	700	N	>2,000	150
7654CV24	N	10	<200	200	N	500	N	>2,000	N
7655CV24	N	N	<200	50	V	20	N	1,000	N
7656CV24	N	N	1,000	300	70	150	N	>2,000	N
7657CV21	N	N	N	20	V	20	N	2,000	N
7658CV21	N	N	1,500	70	N	150	N	>2,000	N
7659CV21	N	V	<200	20	N	V	N	1,500	N
7660CV21	N	V	300	50	V	50	N	>2,000	N
7661CV21	N	N	1,000	150	V	300	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-RA
0662CN21	38 51 54	113 18 15	1.50	15.00	30.00	.700	2,000	N	N	50	300
0663CN21	38 53 58	113 19 17	3.00	10.00	30.00	1.500	1,000	N	N	70	5,000
0664CN21	38 55 12	113 19 17	10.00	10.00	20.00	2.000	2,000	N	N	70	700
0665CN21	38 56 37	113 19 10	2.00	7.00	15.00	>2.000	1,000	N	N	50	300
0666CN21	38 52 45	113 21 0	5.00	10.00	30.00	>2.000	2,000	N	N	50	7,000
0667CN21	38 53 41	113 23 29	.15	15.00	20.00	.100	300	N	N	20	<50
0668CN21	38 58 3	113 23 7	.70	15.00	30.00	.300	500	N	N	20	100
0670CN21	38 58 50	113 23 57	.20	20.00	30.00	.100	300	N	N	<20	50
0671CN21	38 58 17	113 27 0	.30	15.00	20.00	.150	300	N	N	50	<50
0672CN21	38 58 15	113 26 57	.20	15.00	30.00	.200	300	N	N	<20	50
0673CN21	38 58 7	113 27 7	.20	15.00	20.00	.100	300	N	N	20	<50
0674CN21	38 56 11	113 26 20	.50	10.00	20.00	.070	300	N	N	<20	<50
0675CN21	38 52 50	113 25 56	.30	15.00	20.00	.150	300	N	N	30	<50
0676CN22	38 54 51	113 31 41	.15	10.00	20.00	.070	300	N	N	20	<50
0677CN21	38 53 1	113 36 43	.50	15.00	20.00	1.500	300	N	N	30	50
0678CN22	38 56 12	113 32 40	.30	10.00	20.00	.100	200	N	N	20	<50
0679CN22	38 58 3	113 34 21	.50	15.00	30.00	.200	300	N	N	20	<50
0680CN22	38 58 31	113 36 43	.50	15.00	30.00	.150	300	N	N	20	<50
0681CN22	38 50 4	113 39 21	.10	10.00	20.00	.020	200	N	N	20	300
0682CN22	38 49 34	113 42 18	.20	10.00	20.00	.020	300	N	N	20	<50
0683CN22	38 48 0	113 42 10	.30	10.00	20.00	.070	300	N	N	20	<50
0684CN22	38 48 5	113 39 50	5.00	5.00	30.00	.500	1,000	N	N	50	1,000
0685CN22	38 47 7	113 40 25	.70	15.00	50.00	.300	500	N	N	30	150
0686CN22	38 46 57	113 43 54	.30	15.00	20.00	.070	300	N	N	20	<50
0687CN22	38 45 50	113 43 14	.20	15.00	30.00	.050	200	N	N	20	<50
0688CN23	38 44 2	113 43 20	.30	20.00	30.00	.100	300	N	N	<20	200
0689CN23	38 42 52	113 44 43	.20	15.00	20.00	.050	300	N	N	30	<50
0690CN23	38 34 0	113 33 23	.30	15.00	20.00	.300	300	N	N	<20	300
0692CN23	38 31 13	113 33 44	.15	10.00	30.00	.070	300	N	N	20	<50
0693CN23	38 30 23	113 32 8	.50	15.00	30.00	.150	500	N	N	20	200
0695CN22	38 47 18	113 48 20	.30	10.00	20.00	.070	300	N	N	20	50
0696CN22	38 49 10	113 46 48	.50	10.00	20.00	.070	300	N	N	20	50
0697CN22	38 50 2	113 46 31	.50	10.00	20.00	.030	200	N	N	20	50
0698CN22	38 46 23	113 50 8	.50	10.00	20.00	.100	300	N	N	20	50
0699CN22	38 47 48	113 50 45	.20	15.00	30.00	.070	300	N	N	20	50
0700CN22	38 50 0	113 49 29	1.00	15.00	30.00	.150	500	N	N	50	100
0701CN22	38 50 27	113 50 11	.30	1.00	20.00	.150	700	N	N	150	700
0702CN22	38 48 45	113 51 44	5.00	7.00	30.00	.500	500	N	N	100	200
0703CN22	38 53 25	113 46 20	.70	10.00	20.00	.070	300	N	N	20	50
0704CN22	38 55 50	113 48 27	1.00	10.00	20.00	.300	500	N	N	70	70
0705CN22	38 55 46	113 48 27	1.00	7.00	15.00	1.000	700	N	N	50	150
0706CN22	38 55 51	113 48 50	.70	7.00	15.00	.500	300	N	N	100	70
0707CN22	38 53 25	113 51 52	.70	7.00	15.00	.070	200	N	N	50	100
0708CN22	38 52 26	113 53 8	2.00	10.00	15.00	.500	700	N	N	50	100
0709CN22	38 51 31	113 54 38	.70	10.00	20.00	.300	500	N	N	150	150

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-RT	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0662CN21	N	N	N	10	20	<10	<50	N	N	N	<20
0663CN21	N	N	N	10	30	15	300	7	50	N	70
0664CN21	<2.0	N	N	50	100	50	200	10	50	N	150
0665CN21	N	N	N	N	300	<10	700	7	100	N	20
0666CN21	N	N	N	N	200	20	1,000	N	N	N	1,000
0667CN21	N	N	N	N	<20	N	V	N	N	N	N
0668CN21	N	N	N	<10	20	N	100	N	N	N	N
0670CN21	N	N	N	N	<20	<10	N	7	N	N	20
0671CN21	N	N	N	N	<20	N	V	N	<10	N	N
0672CN21	N	N	N	N	<20	N	N	N	N	N	N
0673CN21	N	N	V	N	<20	N	V	N	N	V	N
0674CN21	N	N	N	N	<20	<10	N	N	N	<10	N
0675CN21	N	N	N	N	<20	N	V	N	N	N	N
0676CN22	N	N	N	N	<20	N	N	N	N	N	N
0677CN21	<2.0	N	N	N	20	N	300	V	70	N	100
0678CN22	N	N	N	N	<20	N	<50	N	N	N	N
0679CN22	N	N	N	N	<20	N	100	N	N	N	N
0680CN22	N	N	N	N	<20	N	<50	N	N	N	N
0681CN22	N	N	N	N	<20	N	N	N	N	N	N
0682CN22	N	N	N	N	<20	N	100	N	N	<10	N
0683CN22	N	N	N	N	<20	N	V	N	N	N	N
0684CN22	<2.0	N	N	30	20	30	100	10	<50	N	100
0685CN22	N	N	N	<10	<20	N	100	N	N	V	20
0686CN22	N	N	N	N	<20	<10	N	N	N	N	N
0687CN22	N	N	N	N	<20	<10	N	N	N	<10	N
0688CN23	N	N	N	N	<20	N	N	N	N	<10	N
0689CN23	N	N	N	N	<20	N	N	N	N	<10	N
0690CN23	N	N	N	N	20	<10	V	N	N	N	N
0692CN23	N	N	N	N	<20	N	N	N	N	N	N
0693CN23	N	N	N	N	<20	20	N	N	N	<10	N
0695CN22	N	N	N	N	<20	N	N	N	N	N	N
0696CN22	N	N	N	N	<20	N	V	N	N	N	N
0697CN22	N	N	N	N	<20	<10	V	N	N	N	<20
0698CN22	N	N	N	N	<20	N	V	N	N	V	N
0699CN22	N	N	N	N	<20	N	N	N	N	N	N
0700CN22	N	N	N	N	20	20	V	N	N	V	N
0701CN22	<2.0	N	N	50	150	20	300	20	<50	200	<20
0702CN22	N	N	N	10	150	10	150	7	N	50	30
0703CN22	N	N	N	N	<20	N	V	N	N	N	20
0704CN22	N	N	N	<10	150	<10	100	N	<50	10	20
0705CN22	<2.0	N	N	10	70	<10	70	N	50	V	30
0706CN22	N	N	N	<10	30	V	150	N	N	N	<20
0707CN22	N	N	N	10	50	<10	V	N	N	N	<20
0708CN22	N	N	V	<10	150	15	<50	N	N	N	50
0709CN22	N	N	N	N	30	N	V	N	N	N	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0662CN21	N	N	300	70	N	100	N	>2,000	N
0663CN21	N	N	300	100	N	500	N	>2,000	N
0664CN21	N	N	300	200	N	500	N	>2,000	N
0665CN21	N	50	300	300	N	700	N	>2,000	N
0666CN21	N	50	2,000	500	N	1,000	N	>2,000	N
0667CN21	N	N	N	20	N	<20	N	500	N
0668CN21	N	N	<200	50	N	70	N	>2,000	N
0669CN21	N	N	N	30	N	20	N	1,500	N
0670CN21	N	N	<200	50	N	<20	N	300	N
0671CN21	N	N	N	<20	N	<20	N	1,000	N
0672CN21	N	N	N	<20	N	<20	N	1,000	N
0673CN21	N	N	<200	50	N	20	N	500	N
0674CN21	N	N	<200	20	N	20	N	200	N
0675CN21	N	N	<200	50	N	30	N	700	N
0676CN21	N	N	<200	20	N	<20	N	300	N
0677CN21	N	N	N	100	N	200	N	>2,000	N
0678CN22	N	N	<200	50	N	<20	N	1,000	N
0679CN22	N	N	N	30	N	20	N	1,000	N
0680CN22	N	N	N	20	N	<20	N	1,500	N
0681CN22	N	N	<200	20	N	V	N	100	N
0682CN22	N	N	<200	20	N	<20	N	200	N
0683CN22	N	N	<200	50	N	<20	N	500	N
0684CN22	N	N	500	70	N	150	N	>2,000	N
0685CN22	N	N	300	20	N	30	N	>2,000	N
0686CN22	N	N	N	30	N	N	N	300	N
0687CN22	N	N	<200	30	N	<20	N	200	N
0688CN23	N	N	<200	50	N	<20	N	500	N
0689CN23	N	N	<200	20	N	V	N	200	N
0690CN23	N	N	N	20	N	70	N	2,000	N
0691CN23	N	N	<200	20	N	<20	N	300	N
0692CN23	N	N	N	20	N	20	N	2,000	N
0693CN23	N	N	N	20	N	20	N	2,000	N
0694CN22	N	N	<200	50	N	50	N	>2,000	N
0695CN22	N	N	<200	50	N	<20	N	500	N
0696CN22	N	N	<200	30	N	V	N	300	N
0697CN22	N	N	<200	30	N	<20	N	1,000	N
0698CN22	N	N	N	20	N	<20	N	1,500	N
0700CN22	N	N	N	30	N	20	N	1,500	N
0701CN22	N	N	2,000	100	N	300	N	1,500	N
0702CN22	N	N	700	100	N	300	N	>2,000	N
0703CN22	N	N	<200	70	N	<20	N	300	N
0704CN22	N	N	N	70	N	100	N	>2,000	N
0705CN22	N	N	<200	70	N	300	N	>2,000	N
0706CN22	N	N	<200	70	N	150	N	>2,000	N
0707CN22	N	N	<200	50	N	20	N	>2,000	N
0708CN22	N	N	200	50	N	70	N	>2,000	N
0709CN22	N	N	<200	70	N	70	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FFZ	S-MGZ	S-CAZ	S-TIZ	S-WV	S-AG	S-AS	S-B	S-BA
0717CN22	38 45 40	113 53 46	1.00	5.00	20.00	300	300	N	N	50	100
0718CN22	38 45 36	113 55 21	50	10.00	20.00	150	300	N	N	50	200
0719CN22	38 47 42	113 54 26	30	7.00	15.00	200	300	N	N	100	1,000
0720CN22	38 48 38	113 53 40	15	10.00	15.00	200	200	N	N	100	300
0721CN22	38 49 55	113 53 23	30	10.00	20.00	500	300	N	N	100	1,000
0722CN22	38 50 23	113 52 26	20	10.00	20.00	200	300	N	N	50	<50
0723CN22	38 47 50	113 51 30	1.50	5.00	15.00	1,000	500	N	N	150	300
0724CN22	38 48 0	113 51 29	5.00	5.00	20.00	1,500	1,500	1.5	N	150	700
0725CN22	38 49 1	113 51 27	2.00	3.00	15.00	700	700	N	N	150	300
0726CN22	38 52 29	113 51 8	50	10.00	15.00	500	300	N	N	100	100
0727CN22	38 53 31	113 50 57	30	10.00	20.00	300	300	N	N	150	100
0728CN22	38 51 30	113 47 1	50	15.00	30.00	100	300	N	N	30	50
0729CN22	38 57 5	113 52 0	1.00	10.00	20.00	150	500	1.0	N	100	200
0730CN22	38 57 40	113 53 52	1.50	5.00	15.00	1,000	300	N	N	100	70
0731CN22	38 56 25	113 53 22	50	15.00	30.00	500	300	N	N	50	70
0732CN22	38 55 7	113 53 30	50	10.00	20.00	200	300	N	N	100	70
0733CN22	38 55 2	113 57 33	1.00	7.00	10.00	1,500	500	N	N	150	200
0734CN22	38 54 1	113 57 6	20	10.00	20.00	1,000	300	N	N	300	70
0735CN22	38 55 3	113 56 21	2.00	10.00	30.00	1,000	700	N	N	70	200
0736CN22	38 55 6	113 57 2	2.00	1.50	10.00	500	500	N	N	100	300
0737CN22	38 55 9	113 57 2	5.00	2.00	15.00	500	500	N	N	100	500
0738CN22	38 55 2	113 57 10	2.00	3.00	20.00	700	700	N	N	150	300
0739CN22	38 55 12	113 58 31	10	2.00	10.00	700	300	N	N	100	300
0740CN22	38 57 4	113 56 40	1.00	10.00	20.00	1,000	300	N	N	150	150
0741CN22	38 27 17	113 51 8	2.00	10.00	20.00	200	700	N	N	70	7,000
0742CN22	38 26 36	113 48 38	20	5.00	7.00	1,000	500	N	N	30	300
0743CN22	38 25 27	113 50 41	1.50	10.00	20.00	200	300	N	N	150	1,000
0744CN22	38 24 47	113 51 34	70	10.00	20.00	700	500	N	N	20	500
0745CN22	38 24 2	113 51 11	70	7.00	5.00	>2,000	700	N	N	70	1,000
0746CN22	38 23 46	113 50 10	70	3.00	7.00	2,000	700	N	N	30	7,000
0747CN22	38 23 43	113 50 13	2.00	1.00	10.00	2,000	3,000	N	N	30	500
0748CN22	38 23 41	113 50 15	1.00	2.00	5.00	>2,000	700	N	N	30	500
0749CN22	38 23 44	113 52 53	70	5.00	5.00	1,500	500	N	N	50	700
0750CN22	38 24 10	113 53 43	50	3.00	3.00	1,500	300	N	N	50	300
0751CN22	38 24 16	113 55 29	30	3.00	5.00	2,000	300	N	N	20	100
0752CN22	38 23 27	113 56 15	50	5.00	3.00	1,000	700	N	N	20	300
0753CN22	38 26 26	113 59 2	50	7.00	5.00	300	300	N	N	30	300
0754CN22	38 25 31	113 53 17	50	5.00	5.00	2,000	500	N	N	30	200
0755CN22	38 25 34	113 53 10	70	7.00	7.00	1,500	500	N	N	50	500
0756CN22	38 25 33	113 53 21	1.50	3.00	15.00	>2,000	1,500	N	N	20	150
0757CN22	38 27 20	113 52 35	50	5.00	7.00	300	300	N	N	30	300
0758CN22	38 27 1	113 52 57	70	3.00	5.00	2,000	500	N	N	70	300
0759CN22	38 26 18	113 54 2	50	2.00	7.00	700	300	N	N	30	300
0760CN22	38 26 29	113 56 20	50	5.00	7.00	700	500	N	N	200	150
0761CN22	38 28 55	113 56 42	50	15.00	20.00	500	300	N	N	30	70

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RE	S-RT	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0710CV22	N	N	N	<10	50	<10	50	N	N	<10	<20
0711CV22	N	N	N	N	50	N	N	N	N	N	<20
0712CV22	N	N	N	N	20	N	N	N	N	N	N
0713CV22	N	N	N	N	100	N	N	N	N	N	<20
0714CV22	N	N	N	N	70	N	N	N	N	N	N
0715CV22	N	N	N	N	30	N	N	N	N	<10	N
0716CV22	<2.0	N	N	<10	100	<10	150	N	N	<10	30
0717CV22	<2.0	N	N	15	1,000	20	300	N	<50	100	200
0718CV22	<2.0	N	N	10	700	10	300	N	<50	100	20
0719CV22	N	N	N	<10	150	N	N	N	N	N	<20
0720CV22	N	N	N	N	30	N	<50	N	N	N	N
0721CV22	N	N	N	<10	<20	N	N	N	N	N	N
0723CV22	N	N	N	<10	70	<10	N	7	N	30	<20
0724CV22	<2.0	N	N	<10	50	<10	150	N	N	20	20
0725CV22	N	N	N	<10	50	<10	<50	N	N	<10	N
0726CV22	N	N	N	N	70	N	N	N	N	N	N
0728CV22	<2.0	N	N	N	150	150	150	N	<50	N	<20
0729CV22	N	N	N	N	100	70	70	N	<50	N	<20
0730CV22	<2.0	N	N	15	200	<10	150	10	<50	20	<20
0731CV22	<2.0	N	N	<10	70	20	150	N	N	50	20
0732CV22	<2.0	N	N	10	100	30	100	10	<50	70	50
0733CV22	<2.0	15	N	10	150	30	200	7	N	70	30
0734CV22	<2.0	N	N	<10	150	10	300	N	<50	20	20
0735CV22	N	N	N	N	200	<10	N	N	N	<10	<20
0736CV22	<2.0	N	N	15	<20	20	100	N	N	10	50
0737CV22	<2.0	N	N	<10	20	<10	200	N	<50	N	50
0738CV22	N	N	N	N	20	<10	700	N	N	N	20
0740CV22	N	N	N	<10	20	<10	50	N	N	N	N
0742CV22	<2.0	N	N	N	50	N	1,500	N	50	N	N
0744CV22	<2.0	N	N	N	20	N	700	N	100	N	20
0745CV22	<2.0	N	N	<10	30	100	700	N	50	N	200
0746CV22	<2.0	N	N	N	20	N	700	N	<50	N	20
0747CV22	<2.0	N	N	N	30	N	300	N	<50	N	<20
0748CV22	3.0	N	N	N	<20	<10	300	N	<50	N	N
0749CV22	N	N	N	N	50	N	500	N	70	N	N
0750CV22	<2.0	N	N	N	20	N	100	N	70	N	N
0754CV22	<2.0	N	N	N	<20	N	100	N	70	N	<20
0756CV22	<2.0	N	N	N	30	N	150	N	N	N	N
0757CV22	2.0	N	N	N	20	N	500	N	50	N	<20
0758CV22	<2.0	N	N	N	30	<10	300	N	<50	N	20
0759CV22	<2.0	N	N	N	30	<10	500	N	150	N	20
0760CV22	<2.0	N	N	N	<20	N	100	N	N	N	<20
0761CV22	<2.0	N	N	N	30	N	300	N	50	N	<20
0762CV22	<2.0	N	N	N	<20	N	150	N	N	N	<20
0763CV22	N	N	N	N	20	<10	N	N	<50	N	<20

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0717CN22	N	N	500	70	N	50	N	>2,000	N
0717CN22	N	N	<200	70	N	50	N	>2,000	N
0717CN22	N	N	<200	50	N	70	N	>2,000	N
0717CN22	N	N	N	50	N	50	N	>2,000	N
0717CN22	N	N	200	70	N	100	N	>2,000	N
0715CN22	N	N	200	50	N	30	N	>2,000	N
0715CN22	N	N	700	100	N	150	N	>2,000	N
0717CN22	N	N	1,500	500	N	300	N	>2,000	N
0718CN22	N	30	700	300	N	200	N	>2,000	150
0717CN22	N	N	<200	70	N	70	N	>2,000	N
0727CN22	N	N	N	20	N	30	N	>2,000	N
0721CN22	N	N	N	20	N	<20	N	>2,000	N
0723CN22	N	N	200	100	N	30	N	1,500	N
0724CN22	N	N	500	70	N	200	N	>2,000	N
0725CN22	N	N	200	70	N	<20	N	1,000	N
0726CN22	N	N	200	70	N	50	N	>2,000	N
0728CN22	N	20	200	100	N	200	N	>2,000	N
0729CN22	N	N	200	70	N	150	N	>2,000	N
0737CN22	N	N	300	100	N	150	N	>2,000	N
0731CN22	N	N	500	100	N	100	N	>2,000	N
0732CN22	N	20	700	150	N	150	N	>2,000	N
0733CN22	N	15	1,000	150	N	50	N	>2,000	N
0734CN22	N	N	700	100	N	200	N	>2,000	N
0735CN22	N	N	<200	70	N	100	N	>2,000	N
0736CN22	N	N	300	50	N	100	N	>2,000	N
0737CN22	N	N	500	70	N	300	N	>2,000	N
0738CN22	N	N	N	50	N	150	N	>2,000	200
0747CN22	N	N	200	50	N	70	N	>2,000	N
0742CN22	N	20	200	150	N	500	N	>2,000	300
0744CN22	N	20	200	150	N	700	N	>2,000	200
0745CN22	N	20	500	100	N	500	N	>2,000	150
0746CN22	N	15	200	100	N	700	N	>2,000	200
0747CN22	N	15	700	70	N	300	N	>2,000	150
0748CN22	N	N	700	70	N	300	N	>2,000	N
0749CN22	N	20	200	200	N	700	N	>2,000	200
0757CN22	N	50	N	20	N	500	N	>2,000	150
0754CN22	N	N	700	50	N	300	N	>2,000	150
0755CN22	N	N	200	100	N	500	N	>2,000	N
0757CN22	N	15	700	100	N	300	N	>2,000	150
0758CN22	N	30	300	70	N	500	N	>2,000	150
0759CN22	N	N	700	30	N	150	N	>2,000	N
0760CN22	N	20	200	100	N	500	N	>2,000	150
0761CN22	N	N	700	50	N	300	N	>2,000	N
0762CN22	N	N	<200	30	N	200	N	>2,000	150
0763CN22	N	N	<200	70	N	20	N	500	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0765CN32	38 29 39	113 35 19	7.70	10.00	20.00	0.50	500	N	N	20	50
0766CN32	38 17 1	113 46 53	2.00	1.00	15.00	>2.000	2,000	N	N	70	300
0768CN32	38 16 27	113 49 20	1.00	.50	10.00	>2.000	1,000	N	N	20	150
0769CN32	38 15 52	113 51 1	1.00	.50	3.00	1.500	700	N	N	30	300
0771CN38	38 17 24	113 51 13	1.50	1.00	7.00	>2.000	1,000	N	N	20	300
0772CN32	38 20 42	113 40 48	1.50	.75	7.00	>2.000	700	N	N	20	200
0774CN32	38 21 42	113 50 41	1.50	7.00	15.00	1.500	1,000	N	N	20	1,500
0775CN32	38 20 55	113 54 5	.50	.50	7.00	2.000	1,000	N	N	30	500
0778CN32	38 20 7	113 53 33	.70	.20	5.00	1.500	500	N	N	20	1,000
0780CN32	38 18 42	113 53 0	7.00	2.00	7.00	2.000	2,000	N	N	50	10,000
0781CN32	38 19 55	113 55 23	1.00	.30	10.00	>2.000	1,000	N	N	70	300
0783CN31	38 21 11	113 22 1	5.00	.70	7.00	>2.000	10,000	N	N	30	2,000
0784CN32	38 20 3	113 21 59	.50	.10	1.50	>2.000	3,000	N	N	50	10,000
0785CN31	38 20 6	113 19 5	3.00	5.00	7.00	2.000	2,000	N	N	20	500
0787CN31	38 20 20	113 18 6	1.50	3.00	7.00	>2.000	1,500	N	N	30	300
0788CN31	38 19 18	113 20 26	15.00	2.00	3.00	>2.000	7,000	N	N	50	>10,000
0789CN31	38 20 55	113 17 28	1.50	1.50	5.00	1.500	1,000	N	N	70	500
0790CN31	38 22 51	113 15 10	3.00	2.00	3.00	>2.000	1,500	N	N	50	1,500
0792CN31	38 18 35	113 16 41	10.00	.70	2.00	1.500	5,000	N	N	50	>10,000
0793CN31	38 18 22	113 16 18	2.00	2.00	5.00	2.000	2,000	N	N	20	>10,000
0795CN31	38 20 3	113 20 43	3.00	2.00	7.00	2.000	2,000	N	N	50	1,000
0797CN31	38 21 30	113 19 48	7.00	.50	10.00	>2.000	3,000	N	N	50	700
0798CN31	38 17 33	113 15 19	3.00	5.00	10.00	1.000	1,500	N	N	50	>10,000
0799CN24	38 32 10	113 18 27	2.00	7.00	15.00	.300	300	N	N	100	300
0800CN24	38 30 46	113 16 21	10.00	.70	1.00	1.500	300	N	N	500	700
0802CN22	38 28 9	113 30 9	1.00	7.00	20.00	.500	1,000	N	N	20	300
0804CN22	38 23 10	113 30 57	15.00	2.00	3.00	1.000	1,000	N	N	200	1,500
0806CN24	38 32 26	113 15 51	5.00	.50	.15	.700	300	N	N	150	700
0809CN24	38 32 22	113 14 13	5.00	7.00	15.00	1.000	2,000	N	N	70	500
0810CN24	38 31 40	113 14 4	5.00	3.00	3.00	1.000	700	N	N	150	>10,000
0811CN24	38 31 20	113 9 18	3.00	15.00	20.00	.300	2,000	N	N	100	300
0813CN24	38 30 45	113 6 26	2.00	7.00	15.00	1.000	1,000	N	N	100	300
0815CN24	38 33 15	113 6 31	.50	15.00	30.00	.070	700	N	N	20	50
0817CN24	38 33 27	113 8 48	1.00	1.50	2.00	>2.000	700	N	N	300	1,000
0819CN24	38 34 6	113 11 40	3.00	5.00	10.00	1.500	1,500	N	N	70	1,500
0820CN24	38 34 20	113 14 1	10.00	.70	.20	1.500	500	N	N	300	500
0822CN24	38 35 30	113 10 50	5.00	7.00	15.00	.700	2,000	N	N	20	>10,000
0823CN24	38 43 13	113 2 6	7.00	10.00	15.00	.700	2,000	N	N	100	150
0824CN24	38 41 58	113 5 55	2.00	.70	1.50	>2.000	200	N	N	150	300
0825CN24	38 38 36	113 13 4	1.50	1.00	10.00	>2.000	700	N	N	100	300
0826CN24	38 38 22	113 10 7	10.00	10.00	10.00	.200	700	N	N	150	500
0827CN24	38 36 59	113 10 51	3.00	5.00	7.00	1.500	500	N	N	100	2,000
0828CN24	38 35 52	113 12 31	3.00	7.00	15.00	.300	300	N	N	70	700
0830CN34	38 8 14	113 2 14	5.00	5.00	10.00	2.000	1,500	N	N	70	300
0834CN34	38 8 22	113 5 53	2.00	5.00	7.00	>2.000	1,000	N	N	500	10,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-QF	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0765CN3	N	N	N	N	20	<10	V	N	N	N	20
0766CN32	<2.0	N	N	N	150	N	1,000	N	70	N	20
0768CN32	<2.0	N	N	N	50	<10	1,000	10	150	10	20
0769CN32	<2.0	N	N	<10	20	N	100	N	N	N	700
0771CN38	2.0	N	N	N	150	N	500	7	70	N	<20
0772CN32	<2.0	N	N	N	<20	<10	500	N	70	N	N
0774CN32	<2.0	N	N	N	30	<10	1,000	10	70	N	20
0775CN32	<2.0	N	N	<10	30	N	500	N	50	N	<20
0778CN32	<2.0	N	N	N	30	<10	200	N	<50	N	<20
0787CN32	<2.0	N	N	30	500	20	300	N	<50	30	50
0781CN32	<2.0	N	N	N	20	N	700	N	70	N	<20
0783CN31	3.0	N	N	15	200	10	700	N	70	N	30
0784CN32	5.0	N	N	N	<20	15	500	70	200	N	1,000
0785CN31	<2.0	N	N	N	1,000	10	500	N	70	100	50
0787CN31	<2.0	N	N	N	700	20	1,000	10	150	50	70
0788CN31	2.0	N	N	50	70	15	300	N	70	30	200
0789CN31	2.0	N	N	15	500	10	300	N	<50	N	30
0790CN31	2.0	N	N	N	500	15	300	30	150	50	500
0792CN31	3.0	N	N	30	100	50	200	7	50	30	150
0793CN31	2.0	N	N	N	500	20	300	N	100	30	70
0795CN31	<2.0	N	N	N	200	20	700	20	100	30	70
0797CN31	<2.0	N	N	20	2,000	10	500	N	100	100	20
0798CN31	3.0	N	N	15	300	15	150	N	<50	15	20
0799CN24	<2.0	N	N	<10	70	<10	<50	N	N	10	20
0807CN24	3.0	N	N	10	100	100	70	7	<50	15	300
0802CN32	<2.0	N	N	<10	100	N	50	N	<50	N	150
0804CN32	5.0	N	N	20	150	20	200	N	<50	30	150
0806CN24	2.0	N	N	10	100	20	50	N	<50	50	<20
0809CN24	<2.0	N	N	20	2,000	20	200	N	<50	100	150
0817CN24	<2.0	N	N	20	700	20	150	N	<50	100	150
0811CN24	<2.0	N	N	<10	200	10	<50	N	N	10	70
0813CN24	<2.0	50	V	N	100	30	300	7	<50	15	150
0815CN24	N	N	N	N	<20	<10	N	N	N	<10	70
0817CN24	7.0	N	N	N	150	10	150	15	70	N	100
0819CN24	<2.0	N	N	15	1,000	15	200	N	N	50	30
0827CN24	2.0	N	N	10	150	10	100	N	<50	10	30
0829CN24	N	N	N	50	2,000	50	100	N	N	300	200
0823CN24	N	N	N	50	1,000	10	300	N	<50	100	20
0824CN24	3.0	N	N	N	200	10	150	N	<50	N	100
0825CN24	<2.0	N	N	N	100	<10	300	7	100	N	70
0826CN24	2.0	N	V	N	50	50	500	N	<50	20	70
0827CN24	<2.0	N	N	N	100	<10	150	10	50	10	50
0829CN24	<2.0	N	N	N	150	10	70	N	N	15	50
0837CN34	<2.0	N	V	20	500	15	300	N	70	50	20
0834CN34	<2.0	N	N	N	500	20	700	N	70	30	100

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0765CN32	N	N	<200	30	N	<20	N	2,000	N
0765CN32	N	30	700	300	N	1,000	N	>2,000	150
0768CN32	N	150	N	200	N	1,500	N	>2,000	1,000
0769CN32	N	N	200	100	N	300	N	>2,000	N
0771CN38	N	30	700	100	N	500	N	>2,000	150
0772CN32	N	50	300	150	N	1,000	N	>2,000	N
0774CN32	N	15	200	100	N	300	N	>2,000	300
0775CN32	N	30	700	150	N	700	N	>2,000	N
0778CN32	N	20	1,000	70	N	300	N	>2,000	N
0780CN32	N	20	500	150	N	300	N	>2,000	150
0781CN32	N	50	300	150	N	1,000	N	>2,000	N
0783CN31	N	30	500	100	N	500	N	>2,000	N
0784CN32	N	70	N	150	N	5,000	N	>2,000	>0
0785CN31	N	50	<200	150	N	500	N	>2,000	N
0787CN31	N	100	<200	150	N	500	N	>2,000	200
0788CN31	N	N	500	100	N	200	N	>2,000	N
0789CN31	N	50	700	150	N	500	N	>2,000	150
0790CN31	N	30	200	200	N	200	N	>2,000	N
0792CN31	N	N	1,000	150	N	200	N	>2,000	N
0793CN31	N	70	500	100	N	300	N	>2,000	N
0794CN31	N	50	500	200	N	300	N	>2,000	N
0797CN31	N	70	200	200	N	1,000	N	>2,000	N
0798CN31	N	N	700	200	N	150	N	>2,000	N
0799CN24	N	N	200	100	N	50	N	1,000	N
0800CN24	N	N	300	200	N	150	N	>2,000	N
0802CN32	N	N	700	70	N	100	N	>2,000	N
0804CN32	N	N	200	150	N	200	N	>2,000	N
0805CN24	N	N	300	200	N	50	N	1,000	N
0806CN24	N	N	700	300	N	300	N	>2,000	N
0810CN24	N	N	500	150	N	200	N	>2,000	N
0811CN24	N	N	N	150	N	30	N	2,000	N
0813CN24	N	20	500	150	70	150	N	>2,000	150
0815CN24	N	N	N	20	N	<20	N	200	N
0817CN24	N	N	500	100	N	700	N	>2,000	150
0819CN24	N	N	1,000	300	N	200	N	>2,000	N
0820CN24	N	N	300	200	N	150	N	>2,000	N
0822CN24	N	N	700	200	N	150	N	>2,000	N
0823CN24	N	15	300	300	N	200	N	>2,000	N
0824CN24	N	15	200	200	N	700	N	>2,000	N
0825CN24	N	50	500	200	N	1,000	N	>2,000	N
0826CN24	N	N	200	150	N	100	N	>2,000	N
0827CN24	N	N	<200	150	N	150	N	>2,000	N
0828CN24	N	N	<200	70	N	150	N	>2,000	N
0830CN34	N	150	700	200	N	300	N	>2,000	N
0834CN34	N	15	300	150	N	700	N	>2,000	200

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MV	S-AG	S-AS	S-3	S-BA
JR35CN34	38 8 32	113 4 7	2.00	7.00	7.00	>2.000	1.000	N	N	200	300
JR36CN34	38 8 26	113 8 35	1.00	7.00	2.00	.500	200	N	N	20	200
JR37CN34	38 7 5	113 7 39	1.50	3.00	3.00	>2.000	1.000	N	N	200	1,000
JR38CN34	38 10 0	113 9 50	2.00	3.00	5.00	>2.000	1.000	N	N	200	150
JR41CN34	38 13 48	113 13 46	5.00	3.00	5.00	2.000	1.500	N	N	50	2,000
JR42CN34	38 7 26	113 3 30	1.50	5.00	10.00	2.000	700	N	N	100	1,500
JR43CN34	38 5 13	113 3 36	1.00	7.00	7.00	.500	500	N	N	70	500
JR44CN34	38 5 41	113 2 55	1.00	1.00	7.00	.100	200	N	N	20	700
JR45CN34	38 6 20	113 2 38	1.00	1.00	5.00	.700	500	N	N	50	300
JR47CN34	38 2 2	113 5 25	1.50	1.50	7.00	>2.000	700	N	N	50	300
JR48CN34	38 1 24	113 7 5	1.00	.50	2.00	.700	300	10.0	N	30	300
JR49CN34	38 0 28	113 8 31	1.50	2.00	10.00	>2.000	1.000	N	N	70	500
JR51CN34	38 0 8	113 4 27	1.50	2.00	2.00	2.000	700	N	N	100	700
JR52CN34	38 2 50	113 11 41	1.50	2.00	7.00	2.000	500	N	N	150	300
JR53CN34	38 3 37	113 4 4	10.00	5.00	10.00	>2.000	2.000	N	N	100	300
JR55CN34	38 2 47	113 3 27	2.00	5.00	7.00	1.500	1.000	N	N	50	700
JR56CN34	38 5 4	113 0 27	1.50	1.50	5.00	2.000	700	N	N	100	500
JR57CN34	38 7 11	113 6 14	2.00	1.50	3.00	>2.000	1.000	N	N	70	300
JR58CN34	38 10 33	112 54 45	5.00	5.00	15.00	2.000	2.000	N	N	200	10,000
JR66CN43	38 9 27	112 53 37	3.00	3.00	7.00	2.000	1.500	N	N	50	700
JR67CN43	38 9 27	112 52 59	10.00	2.00	10.00	1.500	1.500	N	1,000	20	1,000
JR69CN43	38 8 18	112 51 34	5.00	7.00	10.00	1.000	2.000	N	N	50	1,500
JR70CN43	38 9 27	112 52 5	10.00	3.00	7.00	1.000	2.000	N	N	30	700
JR71CN43	38 9 28	112 51 56	5.00	1.50	7.00	.700	1.500	N	N	50	10,000
JR72CN43	38 10 26	112 50 11	2.00	7.00	15.00	.700	1.000	N	N	20	500
JR73CN43	38 12 36	112 49 44	2.00	3.00	15.00	1.500	3.000	N	N	20	>10,000
JR75CN43	38 14 16	112 50 16	1.00	1.00	5.00	.500	500	N	N	50	300
JR77CN43	38 13 44	112 51 23	3.00	3.00	15.00	1.000	3.000	N	N	<20	>10,000
JR78CN43	38 8 1	112 59 18	3.00	5.00	10.00	1.000	1.000	N	N	50	700
JR79CN43	38 6 24	112 57 18	1.00	2.00	5.00	.700	500	N	N	100	300
JR81CN43	38 5 42	112 57 33	3.00	5.00	15.00	1.000	1.000	N	N	50	200
JR82CN43	38 5 40	112 59 23	3.00	5.00	5.00	.700	700	N	N	70	300
JR83CN43	38 2 24	112 59 30	1.50	1.50	5.00	1.500	700	2.0	N	50	700
JR84CN43	38 3 11	112 57 9	1.00	2.00	5.00	2.000	700	N	N	150	200
JR85CN43	38 0 57	112 55 23	1.50	1.50	5.00	.500	500	N	N	50	300
JR86CN43	38 1 56	112 54 30	1.50	1.00	7.00	.700	300	N	N	70	300
JR87CN43	38 3 39	112 47 8	2.00	2.00	10.00	.300	500	N	N	20	700
JR89CN43	38 6 8	112 53 45	1.00	1.00	5.00	.300	200	N	N	20	300
JR91CN43	38 7 7	112 50 40	2.00	5.00	10.00	1.500	700	N	N	30	500
JR92CN43	38 5 38	112 51 47	3.00	5.00	10.00	1.000	1.000	N	N	70	500
JR93CN43	38 5 41	112 51 43	3.00	5.00	10.00	.700	1.500	N	N	50	700
JR94CN43	38 5 39	112 51 35	1.50	1.00	5.00	.200	300	N	N	50	300
JR95CN43	38 4 57	112 52 18	2.00	2.00	10.00	.200	500	N	N	20	700
JR96CN43	38 3 47	112 51 22	1.50	2.00	7.00	1.000	300	N	N	70	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BF	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-WO	S-NB	S-VI	S-PB
0835CN34	<2.0	N	N	N	1,000	30	500	N	70	100	70
0836CN34	N	N	N	N	50	<10	70	N	<50	N	<20
0837CN34	<2.0	N	N	N	200	<10	500	N	70	10	70
0838CN34	<2.0	N	N	N	700	15	700	7	100	30	70
0841CN34	2.0	N	N	20	100	50	300	N	70	30	70
0842CN34	N	N	N	20	1,000	<10	300	20	50	N	20
0843CN34	<2.0	N	N	N	30	10	500	N	<50	N	70
0844CN34	<2.0	N	N	<10	100	<10	<50	N	N	N	20
0845CN34	<2.0	N	N	<10	150	<10	150	N	<50	N	70
0847CN34	<2.0	N	N	N	200	<10	500	7	150	15	30
0848CN34	<2.0	N	N	N	30	<10	150	N	<50	N	20
0849CN34	<2.0	N	N	10	150	<10	300	7	150	N	50
0851CN34	<2.0	N	N	N	200	<10	300	N	50	N	20
0851CN34	<2.0	N	N	N	70	10	500	N	50	N	70
0852CN34	<2.0	N	N	20	300	30	1,000	N	150	50	150
0853CN34	N	N	N	N	700	10	500	N	70	70	50
0854CN34	<2.0	N	N	N	150	15	300	N	70	N	20
0855CN34	<2.0	N	N	N	200	10	150	7	<50	N	70
0856CN34	<2.0	N	N	N	150	<10	300	N	70	N	70
0855CN43	<2.0	N	N	15	500	50	700	N	<50	30	700
0866CN43	<2.0	N	N	15	700	<10	300	N	100	30	50
0867CN43	<2.0	N	N	50	100	70	700	N	50	20	100
0869CN43	<2.0	N	N	30	1,000	10	200	N	50	70	70
0871CN43	<2.0	N	N	20	300	100	200	N	<50	30	70
0871CN43	<2.0	N	N	15	200	70	200	N	<50	15	700
0872CN43	<2.0	N	N	30	1,500	20	50	N	N	100	20
0874CN43	N	N	N	N	150	15	500	N	70	N	70
0876CN43	<2.0	N	N	<10	70	<10	70	N	50	N	70
0877CN43	<2.0	N	N	15	700	15	500	N	<50	30	70
0878CN43	<2.0	N	N	N	300	50	700	N	50	20	70
0879CN43	<2.0	N	N	10	200	<10	150	N	70	15	<20
0881CN43	N	N	N	N	700	10	150	N	50	70	<20
0882CN43	<2.0	N	N	30	200	10	50	N	<50	70	<20
0883CN43	<2.0	N	N	10	300	15	300	N	70	20	50
0883CN43	<2.0	N	N	15	300	<10	300	N	70	20	<20
0884CN43	<2.0	N	N	N	150	10	100	N	<50	N	20
0885CN43	N	N	N	N	70	<10	50	20	<50	20	<20
0889CN43	N	N	N	20	100	10	<50	N	N	100	100
0891CN43	<2.0	N	N	<10	150	<10	150	N	<50	N	<20
0891CN43	<2.0	N	N	20	1,500	<10	300	N	70	70	<20
0892CN43	N	N	N	30	1,500	10	200	N	50	100	20
0893CN43	<2.0	N	N	30	700	20	150	30	50	100	20
0894CN43	<2.0	N	N	N	150	<10	150	N	<50	N	20
0895CN43	<2.0	N	N	10	500	<10	100	N	<50	20	N
0896CN43	N	N	N	10	200	<10	200	N	50	N	.20

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	S-SR	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
JR35CN44	N	15	500	150	N	300	N	>2,000	150
JR35CN44	N	N	500	30	N	50	N	>2,000	N
JR37CN44	N	20	200	70	N	150	N	>2,000	200
JR38CN44	N	30	<200	100	N	200	N	>2,000	300
JR47CN44	N	20	500	200	N	300	N	>2,000	N
JR42CN44	N	20	500	200	70	500	N	>2,000	N
JR43CN44	N	N	500	50	N	200	N	>2,000	150
JR44CN44	N	N	1,500	50	N	30	N	>2,000	N
JR45CN44	N	100	1,000	50	N	150	N	>2,000	N
JR47CN44	N	30	700	200	N	300	N	>2,000	N
JR48CN44	N	N	500	50	N	100	N	>2,000	N
JR49CN44	N	20	700	300	N	500	N	>2,000	N
JR50CN44	N	15	700	150	N	300	N	>2,000	N
JR51CN44	N	N	500	100	N	300	N	>2,000	N
JR52CN44	N	30	500	200	N	1,000	N	>2,000	150
JR53CN44	N	15	1,000	150	N	300	N	>2,000	N
JR54CN44	N	N	700	150	N	200	N	>2,000	N
JR55CN44	N	N	700	70	N	150	N	>2,000	N
JR56CN44	N	20	500	150	N	300	N	>2,000	N
JR45CN43	N	N	700	200	N	200	N	>2,000	N
JR65CN43	N	20	700	150	N	300	N	>2,000	150
JR67CN43	N	20	700	300	N	200	N	>2,000	N
JR69CN43	N	N	700	300	N	200	N	>2,000	N
JR70CN43	N	N	300	300	N	150	N	>2,000	N
JR71CN43	N	N	1,000	300	N	150	N	>2,000	N
JR72CN43	N	N	700	200	N	70	N	2,000	N
JR74CN43	N	150	1,500	150	N	500	N	>2,000	N
JR75CN43	N	N	700	50	N	70	N	>2,000	N
JR76CN43	N	N	1,500	200	N	300	N	>2,000	N
JR78CN43	N	15	700	150	N	300	N	>2,000	200
JR79CN43	N	N	500	70	N	300	N	>2,000	N
JR80CN43	N	20	700	200	N	150	N	>2,000	N
JR81CN43	N	N	1,000	100	N	100	N	>2,000	N
JR82CN43	N	N	700	70	N	200	N	>2,000	N
JR83CN43	N	N	700	50	N	300	N	>2,000	150
JR84CN43	N	N	1,000	50	N	100	N	>2,000	N
JR85CN43	N	N	1,000	70	N	100	N	>2,000	N
JR86CN43	N	N	1,500	100	N	30	N	>2,000	N
JR87CN43	N	N	1,000	50	N	70	N	>2,000	N
JR89CN43	N	15	700	150	N	200	N	>2,000	N
JR92CN43	N	N	500	150	N	200	N	>2,000	N
JR93CN43	N	N	500	200	N	100	N	>2,000	N
JR94CN43	N	N	500	70	N	150	N	>2,000	N
JR95CN43	N	N	1,000	100	N	100	N	>2,000	N
JR95CN43	N	N	1,000	100	N	150	N	>2,000	150

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FFZ	S-MGZ	S-CAZ	S-TIZ	S-MV	S-AG	S-AS	S-R	S-BA
0907CN43	38 3 59	112 48 57	1.50	1.50	7.00	1.300	500	N	N	70	700
0908CN43	38 7 28	112 46 14	1.50	2.00	10.00	1.000	500	N	N	70	5,000
0909CN43	38 27 23	113 4 13	2.00	2.00	15.00	>2.000	1,500	N	N	50	200
0910CN43	38 26 53	113 13 44	15.00	2.00	10.00	2.000	2,000	N	N	50	10,000
0911CN43	38 28 33	113 13 16	15.00	3.00	10.00	1.500	7,000	150.0	N	100	10,000
0912CN43	38 28 58	113 14 51	3.00	3.00	20.00	1.500	1,000	N	N	50	3,000
0913CN43	38 28 55	113 14 35	15.00	5.00	7.00	1.500	5,000	1,000.0	2,000	100	>10,000
0914CN43	38 27 24	113 16 23	2.00	7.00	15.00	1.000	1,000	N	N	200	50
0915CN43	38 27 55	113 15 21	10.00	1.00	2.00	2.000	2,000	1.0	N	200	5,000
0916CN43	38 25 54	113 16 47	3.00	7.00	15.00	1.300	1,500	N	N	30	700
0917CN43	38 26 27	113 16 9	5.00	7.00	15.00	1.700	1,000	150.0	2,000	70	>10,000
0918CN43	38 27 20	113 17 57	5.00	7.00	30.00	1.500	10,000	50.0	N	1,500	300
0919CN43	38 29 32	113 17 40	3.00	3.00	20.00	7.00	2,000	N	N	200	100
0920CN43	38 23 30	113 19 1	7.00	10.00	15.00	2.000	3,000	N	N	50	300
0921CN43	38 17 52	113 25 43	2.00	2.00	7.00	2.000	1,000	N	N	50	300
0922CN43	38 45 32	112 50 58	7.00	3.00	7.00	>2.000	1,500	N	N	50	1,500
0923CN43	38 58 29	112 54 55	2.00	2.00	15.00	1.500	1,500	1.5	N	50	700
0924CN43	38 58 36	112 54 50	10.00	2.00	3.00	7.00	1,500	N	N	100	700
0925CN43	38 21 33	113 5 32	5.00	10.00	20.00	1.200	500	1.5	N	30	500
0926CN43	38 21 14	113 5 16	1.50	10.00	15.00	1.500	500	2.0	N	20	70
0927CN43	38 20 56	113 6 15	2.00	5.00	15.00	1.500	1,500	N	N	30	700
0928CN43	38 20 51	113 6 16	2.00	10.00	20.00	1.070	1,500	100.0	N	<20	<50
0929CN43	38 21 30	113 7 46	1.50	5.00	20.00	2.00	1,500	N	N	30	200
0930CN43	38 21 46	113 8 36	1.50	7.00	15.00	1.200	300	N	N	50	100
0931CN43	38 21 42	113 8 47	3.00	10.00	20.00	1.300	1,500	500.0	N	30	1,500
0932CN43	38 21 21	113 8 42	1.00	7.00	15.00	1.100	500	10.0	N	30	500
0933CN43	38 20 45	113 8 38	20.00	3.00	5.00	1.070	5,000	200.0	700	<20	50
0934CN43	38 20 46	113 8 20	1.50	10.00	20.00	1.150	1,500	10.0	N	100	100
0935CN43	38 19 26	113 8 46	7.00	10.00	20.00	2.00	700	15.0	N	<20	100
0936CN43	38 20 31	113 10 9	5.00	1.00	3.00	1.500	1,500	7.0	N	30	>10,000
0937CN43	38 18 55	113 10 17	10.00	2.00	5.00	2.000	10,000	N	N	30	5,000
0938CN43	38 17 20	113 10 22	2.00	7.00	15.00	1.500	1,000	N	N	30	300
0939CN43	38 17 20	113 10 28	3.00	5.00	10.00	1.500	1,500	N	N	30	700
0940CN43	38 18 18	113 12 24	2.00	5.00	10.00	7.00	3,000	N	N	50	700
0941CN43	38 16 59	113 12 18	7.00	5.00	15.00	1.500	1,500	N	N	70	500
0942CN43	38 15 43	113 13 11	5.00	10.00	15.00	1.000	2,000	1.7	N	20	300
0943CN43	38 17 22	113 10 30	5.00	7.00	15.00	1.000	2,000	N	N	50	700
0944CN43	38 20 3	113 12 19	2.00	2.00	7.00	1.500	1,000	N	N	50	>10,000
0945CN43	38 22 3	113 10 46	7.00	2.00	5.00	7.00	1,500	N	N	50	700
0946CN43	38 23 48	113 7 48	5.00	10.00	20.00	1.300	3,000	N	N	50	200
0947CN43	38 24 16	113 6 51	1.50	7.00	15.00	2.000	1,500	N	N	100	150
0948CN43	38 23 24	113 5 46	2.00	10.00	20.00	2.00	1,500	1.0	N	30	100
0949CN43	38 3 40	113 43 22	3.00	1.0	15	1.000	2,000	N	N	50	N
0950CN43	38 3 19	113 43 41	5.00	5.00	1.50	1.000	2,000	N	N	30	70
0951CN43	38 3 31	113 43 33	3.00	7.00	5.00	1.500	1,500	N	N	50	700

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-BT	S-CD	S-CO	S-CR	S-CU	S-LA	S-WO	S-NB	S-NI	S-PB
0897CN43	N	N	N	10	150	10	150	N	<50	N	<20
0911CN34	N	15	N	10	300	10	300	N	<50	20	20
0901CN31	N	N	N	N	70	50	2,000	150	200	N	700
0912CN31	<2.0	20	N	15	300	50	300	10	50	30	500
0903CN31	<2.0	N	300	20	1,000	1,000	200	N	<50	50	20,000
0914CN31	<2.0	N	N	15	70	10	100	N	<50	N	70
0906CN31	<2.0	15	300	70	50	1,500	50	15	N	70	>50,000
0907CN31	<2.0	N	N	20	100	15	150	N	<50	10	70
0908CN31	2.0	20	N	50	150	200	200	15	<50	20	1,500
0909CN31	N	N	N	30	2,000	15	700	15	<50	100	500
0910CN31	N	30	700	10	30	100	100	200	<50	N	20,000
0911CN31	3.0	100	N	30	100	7,000	100	200	N	20	3,000
0912CN31	<2.0	N	N	15	100	200	100	N	<50	10	100
0917CN31	N	N	N	50	1,500	15	200	N	<50	200	N
0918CN31	<2.0	N	N	N	700	<10	500	N	150	20	20
0924CN12	3.0	N	N	N	150	50	300	N	150	10	300
0925CN12	2.0	N	N	20	100	15	100	N	<50	20	1,000
0926CN12	5.0	N	N	N	70	15	150	N	<50	20	500
0927CN31	<2.0	N	50	20	100	50	N	200	N	N	2,000
0928CN31	<2.0	N	N	10	150	15	70	7	<50	20	1,500
0929CN31	2.0	20	N	<10	100	10	100	7	<50	N	500
0937CN31	N	2,000	N	20	<20	50,000	N	5,000	N	20	>20,000
0931CN31	<2.0	N	N	10	70	10	50	N	N	10	50
0932CN31	<2.0	N	N	20	100	15	N	7	N	30	500
0933CN31	<2.0	150	N	10	70	500	50	1,000	N	N	>50,000
0934CN31	N	N	N	<10	30	15	70	20	N	N	1,000
0935CN31	7.0	20	150	30	30	1,000	N	2,000	N	150	>50,000
0936CN31	<2.0	N	N	<10	30	15	N	15	N	15	10,000
0937CN31	N	N	N	N	30	70	N	70	N	N	5,000
0938CN31	3.0	15	N	20	100	100	500	30	70	20	7,000
0939CN31	5.0	N	N	50	200	50	700	15	70	50	200
0940CN31	<2.0	N	N	N	500	70	100	10	<50	50	70
0941CN31	<2.0	N	N	30	1,000	50	300	N	50	100	30
0942CN31	2.0	N	N	20	500	200	300	7	<50	50	700
0943CN31	<2.0	N	N	15	300	15	200	N	50	20	300
0944CN31	<2.0	N	N	50	700	20	300	10	<50	70	500
1001CN31	N	N	N	50	2,000	20	150	N	<50	150	70
1002CN31	2.0	N	N	20	300	15	300	N	50	20	50
1005CN31	<2.0	N	N	30	150	70	150	7	50	30	100
1006CN31	<2.0	N	N	N	100	15	50	15	<50	15	70
1007CN31	<2.0	N	N	N	150	50	300	200	70	N	200
1008CN31	<2.0	N	N	10	150	15	N	10	N	10	1,500
1011CN33	7.0	N	N	N	<20	N	50	30	500	N	20
1013CN33	5.0	N	N	<10	<20	<10	150	30	300	N	50
1015CN33	3.0	N	N	15	70	<10	300	20	200	N	150

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-SV	S-SW	S-Y	S-ZN	S-ZR	S-TH
0897CN43	N	N	1,000	70	N	100	N	>2,000	N
0907CN44	N	15	700	100	N	200	N	>2,000	200
0911CN41	N	70	<200	700	N	1,000	N	>2,000	150
0902CN41	N	N	700	500	N	200	N	>2,000	N
0903CN41	N	N	1,000	300	N	200	10,000	>2,000	N
0904CN41	N	N	300	300	N	70	N	1,000	N
0905CN41	N	N	2,000	150	N	30	>20,000	700	N
0907CN41	N	N	N	100	N	70	500	1,500	N
0908CN41	N	N	700	500	N	100	500	2,000	N
0909CN41	N	30	200	200	N	150	N	>2,000	N
0917CN41	2,000	15	1,000	70	100	50	>20,000	1,500	N
0911CN41	N	N	<200	100	100	50	3,000	1,000	N
0912CN41	N	N	200	200	N	100	N	>2,000	N
0917CN41	N	N	700	200	N	300	N	>2,000	N
0918CN41	N	500	1,000	150	N	500	N	>2,000	N
0924CN42	N	20	300	200	N	300	N	>2,000	N
0925CN42	N	N	700	100	N	100	N	>2,000	N
0926CN42	N	15	200	100	N	700	N	>2,000	N
0927CN41	N	100	500	200	N	20	N	1,500	N
0928CN41	N	15	N	150	N	70	N	2,000	N
0929CN41	N	N	200	150	N	70	N	1,500	N
0930CN41	N	200	<200	50	100	N	10,000	200	N
0931CN41	N	N	500	70	N	70	N	>2,000	N
0932CN41	N	N	500	100	N	50	1,500	300	N
0933CN41	300	150	300	70	N	30	10,000	>2,000	N
0934CN41	N	N	<200	70	N	30	2,000	1,000	N
0935CN41	200	500	300	30	N	<10	20,000	100	N
0936CN41	150	15	200	70	N	20	1,000	1,500	N
0937CN41	200	150	<200	150	100	20	500	700	N
0938CN41	N	100	1,000	300	N	500	1,000	>2,000	N
0939CN41	N	N	300	300	N	300	N	>2,000	N
0940CN41	N	15	300	100	N	150	N	>2,000	N
0941CN41	N	N	500	300	N	150	N	>2,000	N
0942CN41	N	15	700	150	N	500	N	>2,000	N
0943CN41	N	N	1,000	150	N	300	N	>2,000	N
0944CN41	N	20	700	200	N	200	N	>2,000	N
0945CN41	N	N	200	300	N	150	N	>2,000	N
0946CN41	N	20	700	150	N	300	N	>2,000	N
0947CN41	N	N	200	200	N	100	N	>2,000	N
0948CN41	N	N	500	200	N	70	N	>2,000	N
0949CN41	N	30	N	200	1,500	200	N	>2,000	150
0950CN41	N	N	200	100	300	50	N	300	N
0951CN41	N	1,000	N	20	N	150	N	>2,000	N
0952CN41	N	500	N	70	N	300	N	>2,000	150
0953CN41	N	150	<200	150	N	500	N	>2,000	150

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-WV	S-AG	S-AS	S-B	S-SA
1015CN33	38 3 48	113 42 44	2.00	.20	2.00	>2.000	1.500	N	N	30	200
1050CN14	38 43 28	112 1 51	1.50	1.50	15.00	1.500	1.500	N	N	150	700
1051CN14	38 43 7	112 0 34	2.00	7.00	20.00	>2.000	1.500	N	N	N	>10,000
1053CN14	38 40 53	112 2 20	1.00	1.00	7.00	.500	1.000	N	500	70	>10,000
1055CN14	38 36 55	112 6 12	5.00	3.00	7.00	1.000	1.500	N	N	<20	>10,000
1056CN14	38 36 46	112 3 36	1.50	.70	30.00	.500	2.000	N	N	20	>10,000
1057CN14	38 34 13	112 5 10	5.00	7.00	7.00	>2.000	2.000	N	N	<20	1,500
1058CN14	38 34 30	112 4 59	.70	.20	.30	.700	200	N	N	30	>10,000
1059CN14	38 36 13	112 5 42	5.00	.50	20.00	.500	1.500	N	N	<20	>10,000
1061CN14	38 38 21	112 3 5	5.00	15.00	20.00	.700	2.000	N	N	<20	2,000
1062CN14	38 30 30	112 5 52	2.00	5.00	10.00	.300	2.000	N	N	30	1,000
1063CN14	38 30 35	112 1 58	5.00	10.00	15.00	1.000	2.000	N	N	30	200
1068CN14	38 30 21	112 0 15	5.00	10.00	15.00	.700	2.000	N	N	N	<50
1069CN14	38 33 11	112 0 22	5.00	7.00	10.00	5.000	1.500	N	N	<20	100
1087CN42	38 25 51	112 46 37	.70	.15	7.00	>2.000	2.000	N	N	N	>10,000
1081CN42	38 25 52	112 46 34	.50	.10	7.00	>2.000	1.500	N	N	20	200
1083CN44	38 24 44	112 46 18	3.00	5.00	7.00	.500	2.000	N	N	20	300
1084CN44	38 1 36	112 14 5	5.00	10.00	10.00	.500	2.000	N	N	<20	200
1085CN44	38 2 44	112 13 36	1.50	2.00	5.00	.500	7.00	N	N	20	300
1086CN44	38 4 19	112 14 0	3.00	5.00	7.00	.700	1.500	N	N	150	500
1087CN44	38 3 22	112 10 0	5.00	7.00	10.00	2.000	1.500	N	N	70	200
1088CN44	38 0 18	112 11 52	7.00	15.00	15.00	1.000	2.000	N	N	30	300
1089CN44	38 0 51	112 10 26	2.00	2.00	7.00	.300	7.00	N	N	70	700
1091CN44	38 1 54	112 9 49	5.00	5.00	5.00	1.000	1.500	N	N	100	500
1092CN44	38 1 27	112 7 11	2.00	5.00	10.00	.500	1.500	N	N	30	1,500
1093CN44	38 1 0	112 5 40	3.00	5.00	7.00	.700	1.500	N	N	200	1,000
1095CN44	38 2 7	112 4 16	3.00	2.00	3.00	1.000	2.000	N	N	50	700
1096CN44	38 3 29	112 5 20	2.00	3.00	3.00	2.000	1.500	N	N	700	300
1097CN44	38 4 55	112 0 55	1.50	3.00	3.00	2.000	1.000	N	N	200	300
1099CN44	38 6 18	112 4 36	3.00	5.00	7.00	.500	1.500	N	N	70	300
1302CN43	38 1 44	112 40 12	2.00	3.00	15.00	.500	500	N	N	30	500
1303CN43	38 2 30	112 39 52	3.00	7.00	15.00	.300	700	N	N	20	500
1304CN43	38 4 28	112 40 21	1.50	1.50	5.00	>2.000	500	N	N	100	500
1305CN43	38 4 46	112 42 2	1.50	1.00	7.00	.500	500	N	N	50	500
1306CN43	38 7 7	112 39 52	1.00	1.00	3.00	1.000	300	N	N	50	700
1307CN43	38 7 15	112 36 22	1.50	2.00	10.00	1.500	700	N	N	30	500
1308CN43	38 1 2	112 32 4	.70	7.00	20.00	.150	500	N	N	30	5,000
1309CN43	38 2 32	112 30 54	2.00	3.00	10.00	.700	700	N	N	30	500
1310CN43	38 4 47	112 31 13	1.50	3.00	7.00	.700	700	N	N	20	500
1311CN43	38 7 43	112 40 57	1.50	2.00	7.00	1.000	700	N	N	30	500
1312CN43	38 10 58	112 41 53	2.00	1.00	7.00	1.500	700	N	N	30	700
1313CN43	38 11 58	112 40 21	5.00	2.00	10.00	>2.000	1,500	N	N	50	500
1314CN43	38 11 25	112 38 47	2.00	1.00	5.00	.700	700	N	N	70	700
1315CN43	38 13 27	112 34 10	20.00	5.00	10.00	>2.000	2,000	N	N	20	200
1316CN43	38 14 8	112 31 28	3.00	3.00	10.00	1.500	1,000	N	N	50	500

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-QF	S-BT	S-CD	S-CO	S-CR	S-CU	S-LA	S-WO	S-NB	S-NI	S-PB
1016CV33	5.0	N	N	N	20	<10	150	N	100	N	70
1057CV14	<2.0	N	N	<10	200	30	1,500	N	50	N	700
1051CV14	N	N	N	N	1,000	N	500	N	500	30	700
1053CV14	N	N	N	<10	200	<10	2,000	N	N	N	N
1055CV14	<2.0	N	V	10	70	200	200	N	N	V	150
1056CV14	N	N	N	<10	20	100	1,500	N	N	N	20
1057CV14	<2.0	N	N	20	1,000	10	500	N	200	300	500
1058CV14	N	N	N	N	50	<10	150	N	N	N	50
1059CV14	N	N	N	10	50	100	1,000	N	70	N	50
1061CV14	N	N	N	20	700	10	300	N	<50	70	1,000
1062CV14	N	N	N	15	300	15	500	N	N	20	N
1065CV14	2.0	N	N	30	2,000	15	500	N	50	150	20
1068CV14	<2.0	N	N	30	2,000	10	300	N	<50	150	70
1069CV14	<2.0	N	N	30	3,000	<10	50	N	N	200	N
1080CV42	<2.0	N	N	N	20	15	1,000	100	300	N	700
1081CV42	N	N	N	N	<20	N	1,000	15	200	N	150
1083CV44	<2.0	N	N	20	100	<10	50	N	N	N	20
1084CV44	N	N	N	15	70	10	50	N	N	N	N
1085CV44	2.0	N	N	N	30	V	100	N	N	V	N
1086CV44	<2.0	N	N	10	100	<7	150	N	<50	N	20
1087CV44	N	30	N	20	1,000	<7	500	N	50	50	30
1088CV44	<2.0	N	N	50	200	<10	100	N	<50	30	20
1089CV44	2.0	N	N	<10	70	<10	100	N	<50	N	N
1091CV44	<2.0	N	N	10	100	<10	150	N	<50	N	30
1092CV44	2.0	N	N	<10	100	10	150	N	N	N	N
1093CV44	<2.0	N	N	10	100	<10	300	N	<50	N	50
1095CV44	2.0	N	N	10	150	<10	300	N	50	N	20
1096CV44	N	N	N	10	700	<7	1,000	N	70	30	N
1097CV44	<2.0	N	N	10	700	<10	500	N	70	50	N
1099CV44	<2.0	N	N	15	200	<10	50	N	N	20	N
1302CV43	N	N	N	10	100	10	50	N	N	N	50
1303CV43	N	N	N	30	1,000	15	V	N	V	50	N
1304CV43	N	N	N	10	300	<10	300	N	70	15	50
1305CV43	<2.0	N	N	10	20	15	50	N	<50	N	<20
1306CV43	<2.0	N	N	N	100	<10	100	N	50	N	20
1307CV43	N	N	N	N	300	10	200	N	70	30	<20
1308CV43	N	N	N	<10	30	V	V	N	N	N	20
1309CV43	<2.0	N	N	10	70	50	150	N	<50	N	700
1310CV43	<2.0	N	N	10	500	15	200	N	50	50	<20
1311CV43	N	N	N	10	300	<10	300	N	50	20	20
1312CV43	<2.0	200	V	10	50	20	200	N	50	V	50
1313CV43	N	N	N	N	100	100	300	N	50	N	70
1314CV43	<2.0	N	N	N	50	20	200	N	<50	N	30
1315CV43	N	N	N	50	500	20	200	N	70	70	20
1316CV43	2.0	N	N	15	700	50	300	N	50	70	200

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1014CN33	N	200	N	100	N	500	N	>2,000	200
1051CN14	N	30	1,500	100	N	500	N	>2,000	1,000
1051CN14	N	70	3,000	500	N	1,000	N	>2,000	N
1053CN14	N	N	3,000	1,000	N	300	N	>2,000	N
1055CN14	N	N	3,000	100	N	70	N	1,500	N
1055CN14	N	N	2,000	70	N	500	N	700	N
1057CN14	N	50	300	200	N	500	N	>2,000	N
1058CN14	N	N	2,000	50	N	50	N	1,000	N
1059CN14	N	N	5,000	200	N	500	N	300	N
1061CN14	N	N	700	300	N	200	N	2,000	N
1062CN14	N	700	1,000	300	N	200	N	>2,000	N
1065CN14	N	700	700	200	N	300	N	>2,000	N
1068CN14	N	1,500	500	200	N	200	N	>2,000	N
1069CN14	N	N	300	200	N	200	N	>2,000	N
1070CN42	N	100	700	200	N	700	N	>2,000	N
1071CN42	N	50	<200	200	N	500	N	>2,000	>5,000
1083CN44	N	N	700	200	N	100	N	>2,000	2,000
1084CN44	N	N	700	200	N	70	N	1,000	N
1085CN44	N	N	1,500	50	N	100	N	2,000	N
1085CN44	N	N	1,500	100	N	150	N	>2,000	N
1087CN44	N	N	500	300	N	300	N	>2,000	N
1088CN44	N	N	500	300	N	150	N	50	N
1089CN44	N	N	1,500	50	N	100	N	>2,000	N
1091CN44	N	N	1,000	100	N	150	N	>2,000	N
1092CN44	N	N	1,000	70	N	100	N	>2,000	N
1093CN44	N	N	700	70	N	150	N	>2,000	200
1095CN44	N	N	1,000	100	N	150	N	2,000	N
1096CN44	N	N	200	150	N	500	N	>2,000	150
1097CN44	N	N	700	150	N	200	N	>2,000	150
1098CN44	N	N	1,000	100	N	70	N	2,000	N
1302CN43	N	20	1,500	100	N	70	N	>2,000	N
1303CN43	N	100	1,000	200	N	50	N	>2,000	N
1304CN43	N	N	700	150	N	300	N	>2,000	150
1305CN43	N	N	2,000	70	N	70	N	2,000	N
1305CN43	N	15	700	70	N	150	N	>2,000	N
1307CN43	N	15	1,500	100	N	2,000	N	>2,000	N
1308CN43	N	N	200	50	N	50	N	>2,000	N
1309CN43	N	N	1,500	70	N	70	N	>2,000	N
1310CN43	N	15	1,000	100	N	200	N	>2,000	N
1311CN43	N	30	1,000	100	N	300	N	>2,000	N
1312CN43	N	N	1,000	150	N	150	N	>2,000	N
1313CN43	N	N	1,000	200	N	200	N	>2,000	N
1314CN43	N	N	1,000	70	N	100	N	>2,000	N
1315CN43	N	30	500	300	N	300	N	>2,000	N
1315CN43	N	100	700	100	N	300	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANTS--continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MV	S-AG	S-AS	S-B	S-BA
1317CN42	38 20 30	112 41 12	2.00	2.00	5.00	2.000	1.500	N	N	70	500
1318CN42	38 21 28	112 42 22	.70	10.00	15.00	.500	1.000	N	N	30	100
1319CN42	38 23 20	112 41 50	1.00	1.50	5.00	>2.000	700	N	N	30	150
1320CN42	38 25 40	112 43 50	3.00	7.00	15.00	1.500	1.000	N	N	100	100
1321CN42	38 20 44	112 44 35	.70	.70	7.00	>2.000	1.500	N	N	50	200
1322CN42	38 20 32	112 38 40	1.00	.70	3.00	>2.000	700	N	N	20	200
1323CN42	38 25 23	112 47 34	1.00	1.50	10.00	>2.000	1.000	N	N	20	200
1324CN42	38 25 28	112 47 41	.70	.50	10.00	>2.000	1.000	N	N	20	>10,000
1325CN42	38 15 14	112 49 46	5.00	7.00	15.00	.300	1.500	N	N	30	300
1326CN42	38 15 18	112 49 46	3.00	7.00	15.00	.500	1.500	N	N	30	700
1327CN42	38 15 34	112 53 19	3.00	7.00	15.00	.500	1.500	2.0	N	100	300
1328CN42	38 15 43	112 53 22	2.00	7.00	20.00	.700	1.500	N	N	70	500
1330CN42	38 16 36	112 54 35	3.00	5.00	15.00	1.000	1.000	N	N	50	500
1332CN42	38 17 19	112 53 56	2.00	2.00	5.00	2.000	500	N	N	70	7,000
1336CN42	38 16 32	112 52 22	1.50	1.00	5.00	.200	200	N	N	20	300
1338CN42	38 17 17	112 51 42	5.00	1.00	1.50	.700	500	N	N	70	1,500
1347CN42	38 19 46	112 52 56	.30	10.00	20.00	.010	500	10.0	N	<20	>10,000
1341CN42	38 22 43	112 50 29	.70	.10	7.00	>2.000	700	N	N	<20	200
1343CN42	38 25 44	112 50 31	.50	.20	15.00	>2.000	700	N	N	<20	70
1344CN42	38 24 30	112 42 40	1.00	3.00	15.00	>2.000	1.500	N	N	70	2,000
1345CN42	38 24 32	112 42 40	1.50	3.00	15.00	>2.000	1.500	N	N	50	150
1346CN42	38 24 30	112 42 49	1.50	5.00	15.00	>2.000	1.000	N	N	50	200
1347CN42	38 27 46	112 44 37	.50	.10	2.00	>2.000	1.500	N	N	<20	300
1348CN42	38 20 20	112 45 17	1.00	.15	15.00	>2.000	1.500	N	N	20	150
1350CN43	38 20 4	112 49 31	.70	.20	10.00	>2.000	1.000	N	N	20	N
1351CN42	38 20 4	112 49 30	.70	.15	10.00	>2.000	1.500	N	N	20	50
1352CN42	38 20 18	112 48 39	.70	.20	15.00	>2.000	2.000	N	N	<20	N
1353CN42	38 20 2	112 48 5	1.00	.15	7.00	>2.000	2.000	N	N	<20	500
1355CN42	38 28 43	112 42 49	.50	.50	10.00	>2.000	700	N	N	20	100
1357CN42	38 26 40	112 41 48	2.00	1.50	15.00	>2.000	1.000	N	N	50	300
1358CN42	38 27 44	112 41 6	3.00	1.50	10.00	>2.000	1.000	N	N	50	300
1359CN42	38 20 48	112 42 2	1.50	1.00	15.00	>2.000	1.000	N	N	30	150
1362CN42	38 25 55	112 39 56	5.00	2.00	10.00	1.000	2.000	N	N	50	300
1363CN42	38 25 12	112 40 16	1.50	1.00	3.00	>2.000	1.500	N	N	50	500
1364CN42	38 23 14	112 40 34	1.00	.70	3.00	>2.000	2.000	N	N	50	150
1365CN42	38 25 38	112 38 48	1.00	1.50	10.00	>2.000	1.000	N	N	30	150
1366CN42	38 25 2	112 38 40	15.00	1.50	5.00	>2.000	2.000	N	N	30	700
1367CN42	38 27 2	112 38 22	.70	.20	5.00	>2.000	1.500	N	N	70	700
1370CN13	38 30 54	112 41 40	1.00	.70	10.00	.300	500	N	N	20	700
1371CN13	38 31 22	112 43 20	1.00	1.00	5.00	>2.000	1.000	N	N	300	500
1373CN42	38 29 34	112 40 30	10.00	5.00	10.00	>2.000	3.000	N	N	200	300
1374CN13	38 33 5	112 40 56	1.00	.70	3.00	>2.000	700	N	N	500	700
1375CN13	38 32 5	112 41 26	1.00	.50	10.00	>2.000	1.500	N	N	300	700
1376CN13	38 32 32	112 39 29	3.00	5.00	7.00	>.002	1.500	N	N	500	200
1377CN13	38 34 4	112 40 17	1.00	2.00	5.00	>2.000	1.000	N	N	700	3,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-BT	S-CD	S-CO	S-CR	S-CU	S-LA	S-WO	S-NB	S-NT	S-PB
1317CN42	5.0	N	N	15	200	15	500	7	150	N	70
1318CN42	10.0	N	N	N	20	<10	200	N	70	N	50
1319CN42	2.0	N	N	N	30	10	1,500	10	300	N	100
1320CN42	<2.0	N	N	15	70	10	700	N	200	10	<20
1321CN42	3.0	N	N	N	150	<10	1,500	20	700	N	70
1322CN42	<2.0	N	N	N	20	N	700	10	200	N	20
1323CN42	N	N	N	N	20	10	2,000	200	500	N	2,000
1324CN42	N	N	N	N	<20	<10	1,000	100	100	N	700
1325CN42	<2.0	N	N	50	1,500	15	200	N	<50	150	N
1326CN42	<2.0	15	N	30	2,000	15	200	N	<50	150	<20
1327CN42	2.0	50	N	15	150	20	70	N	<50	20	3,000
1328CN42	<2.0	150	N	10	100	500	100	N	<50	15	300
1330CN42	<2.0	200	N	10	150	15	300	10	<50	10	100
1332CN42	<2.0	N	N	N	70	10	50	N	50	20	100
1335CN42	N	N	N	10	50	<10	N	N	<50	N	20
1338CN42	2.0	N	N	20	150	20	N	N	50	30	70
1340CN42	<2.0	15	N	N	<20	<10	N	300	N	N	700
1341CN42	<2.0	N	N	N	N	<10	1,000	20	300	N	50
1343CN42	N	N	N	N	<20	N	1,500	30	150	N	20
1344CN42	2.0	N	N	N	70	<10	1,500	10	300	N	100
1345CN42	2.0	N	N	N	100	10	1,500	15	500	N	70
1346CN42	3.0	N	N	N	100	10	1,000	10	200	N	100
1347CN42	<2.0	N	N	N	N	20	1,500	10	300	N	100
1348CN42	<2.0	N	N	N	<20	<10	1,500	50	700	N	30
1350CN43	N	N	N	N	20	<10	2,000	30	300	N	20
1351CN42	N	N	N	N	20	N	>2,000	20	200	N	70
1352CN42	N	N	N	N	<20	<10	2,000	30	500	N	50
1353CN42	N	N	N	N	<20	<10	>2,000	50	300	N	100
1355CN42	N	N	N	N	50	<10	1,000	N	150	N	50
1357CN42	<2.0	N	N	N	150	15	1,000	15	300	N	70
1358CN42	<2.0	N	N	N	150	20	500	20	70	N	50
1359CN42	<2.0	N	N	N	100	200	1,500	7	100	N	100
1362CN42	3.0	15	N	N	150	20	700	N	300	20	200
1363CN42	2.0	N	N	N	70	20	1,000	7	200	N	100
1364CN42	2.0	N	N	N	50	20	2,000	10	700	N	100
1365CN42	2.0	N	N	N	200	10	1,000	15	200	N	100
1366CN42	10.0	N	N	N	150	50	700	10	200	20	150
1367CN42	<2.0	N	N	N	30	<10	2,000	10	200	N	150
1370CN13	N	N	N	N	30	10	70	N	<50	N	<20
1371CN13	<2.0	N	N	N	150	<10	700	N	500	N	20
1373CN42	5.0	N	N	15	1,000	10	700	10	200	70	70
1374CN13	<2.0	N	N	N	150	N	700	N	200	N	50
1375CN13	<2.0	N	N	N	150	<10	700	N	300	N	100
1376CN13	<2.0	N	N	15	1,000	N	300	N	300	150	20
1377CN13	<2.0	N	N	N	200	N	1,000	N	300	N	1,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-Sg	S-Sv	S-SR	S-Sv	S-W	S-Y	S-ZN	S-ZR	S-TH
1317CN42	N	30	200	150	N	300	N	>2,000	200
1318CN42	N	15	<200	30	N	70	N	>2,000	N
1319CN42	N	70	N	150	N	500	N	>2,000	3,000
1320CN42	N	20	<200	150	N	300	N	>2,000	1,000
1321CN42	N	100	N	100	N	500	N	>2,000	3,000
1322CN42	N	50	<200	100	N	300	N	>2,000	150
1323CN42	N	70	N	150	N	1,000	N	>2,000	5,000
1324CN42	N	100	500	200	N	700	N	>2,000	2,000
1325CN42	N	N	700	200	N	150	N	2,000	N
1326CN42	N	200	700	200	N	150	N	>2,000	N
1327CN42	N	N	500	100	N	70	N	>2,000	N
1328CN42	N	N	<200	100	70	70	700	2,000	150
1330CN42	N	20	300	150	N	200	N	>2,000	N
1332CN42	N	N	<200	100	N	200	N	>2,000	N
1335CN42	N	N	300	70	N	20	N	>2,000	N
1333CN42	N	N	N	150	N	100	N	>2,000	N
1340CN42	N	N	1,000	<20	N	N	N	20	N
1341CN42	N	70	200	150	N	300	N	>2,000	2,000
1343CN42	N	70	N	300	N	500	N	>2,000	200
1344CN42	N	70	N	150	N	500	N	>2,000	2,000
1345CN42	N	70	200	150	N	500	N	>2,000	3,000
1346CN42	N	70	500	150	N	500	N	>2,000	3,000
1347CN42	N	70	500	100	N	500	N	>2,000	>5,000
1348CN42	N	100	N	200	N	500	N	>2,000	3,000
1350CN42	N	100	N	150	N	700	N	>2,000	500
1351CN42	N	100	N	150	N	1,000	N	>2,000	700
1352CN42	N	100	N	150	N	1,000	N	>2,000	700
1353CN42	N	150	N	200	N	1,000	N	>2,000	3,000
1355CN42	N	30	300	150	N	700	N	>2,000	1,000
1357CN42	N	30	300	200	70	500	N	>2,000	2,000
1358CN42	N	100	200	500	N	300	N	>2,000	300
1359CN42	N	30	500	200	N	700	N	>2,000	200
1362CN42	N	50	200	500	N	300	N	>2,000	N
1363CN42	N	70	500	150	N	700	N	>2,000	>5,000
1364CN42	N	150	200	200	N	1,000	N	>2,000	>5,000
1365CN42	N	100	N	200	70	700	N	>2,000	1,000
1366CN42	N	100	200	300	N	700	N	>2,000	300
1367CN42	N	100	N	150	N	1,000	N	>2,000	1,500
1370CN13	N	N	1,500	70	N	70	N	>2,000	N
1371CN13	N	N	300	100	N	500	N	>2,000	1,500
1373CN42	N	150	300	300	N	700	N	>2,000	200
1374CN13	N	20	200	150	N	500	N	>2,000	1,000
1375CN13	N	20	300	200	N	500	500	>2,000	1,500
1376CN13	N	N	200	200	N	300	N	>2,000	500
1377CN13	N	50	300	150	N	500	300	>2,000	1,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FFX	S-WGZ	S-CAZ	S-TTZ	S-MN	S-AG	S-AS	S-B	S-BA
1378CN13	38 35 3	112 41 7	1.70	1.00	5.00	>2.000	1,000	N	N	300	300
1379CN13	38 35 19	112 43 13	2.00	1.00	5.00	>2.000	1,500	N	N	500	500
1380CN13	38 34 34	112 43 35	1.50	1.50	3.00	>2.000	1,000	N	N	700	300
1381CN13	38 36 40	112 40 9	2.00	2.00	5.00	>2.000	1,500	N	N	700	300
1382CN13	38 35 48	112 38 55	2.00	1.00	3.00	>2.000	1,000	N	N	300	500
1383CN13	38 39 26	112 42 18	1.00	1.00	3.00	>2.000	700	N	N	200	300
1384CN13	38 39 46	112 40 33	1.50	1.00	3.00	>2.000	500	N	N	300	700
1385CN13	38 38 58	112 44 48	1.00	1.50	5.00	>2.000	1,000	N	N	200	200
1386CN13	38 41 46	112 41 2	2.00	2.00	5.00	>2.000	1,000	N	N	700	500
1387CN12	38 45 5	112 42 58	1.50	1.00	5.00	>2.000	700	N	N	200	300
1388CN13	38 42 30	112 43 12	1.00	1.00	5.00	>2.000	700	3.0	N	200	>10,000
1389CN13	38 42 50	112 41 54	1.00	1.70	3.00	>2.000	1,000	N	N	200	300
1390CN13	38 41 31	112 43 55	1.50	1.00	3.00	>2.000	1,000	N	N	300	300
1391CN13	38 43 48	112 39 27	2.00	1.00	3.00	>2.000	1,000	N	N	100	500
1392CN12	38 45 41	112 32 34	1.70	1.20	2.00	>2.000	500	N	N	700	300
1393CN12	38 45 3	112 31 23	2.00	2.00	15.00	>2.000	1,500	N	N	500	500
1394CN12	38 46 8	112 31 47	1.00	2.00	3.00	>2.000	700	N	N	500	1,500
1395CN13	38 44 44	112 30 49	1.00	1.00	15.00	700	700	N	N	150	500
1396CN13	38 43 47	112 31 15	1.50	5.00	7.00	>2.000	500	N	N	300	500
1397CN13	38 43 33	112 31 59	1.50	1.00	10.00	1.000	700	N	N	150	150
1398CN13	38 43 31	112 32 4	2.00	1.00	15.00	1.000	700	N	N	200	300
1399CN13	38 43 29	112 32 2	1.00	2.00	10.00	1.500	500	N	N	150	200
1400CN13	38 42 35	112 33 14	1.00	1.00	20.00	200	300	7.0	N	20	1,000
1401CN13	38 42 35	112 35 22	2.00	2.00	10.00	2.000	1,500	N	N	500	2,000
1402CN13	38 40 39	112 34 37	1.50	1.50	7.00	>2.000	1,000	N	N	200	700
1403CN13	38 40 24	112 31 17	2.00	1.50	20.00	>2.000	1,000	N	N	500	500
1404CN13	38 40 37	112 33 2	1.50	1.50	10.00	1.500	700	N	N	200	500
1405CN13	38 41 12	112 32 55	2.00	3.00	7.00	700	1,000	N	N	30	500
1406CN13	38 41 51	112 32 40	1.50	2.00	5.00	2.000	1,500	N	N	70	100
1407CN13	38 41 51	112 33 55	1.00	3.00	7.00	500	2,000	N	N	20	2,000
1408CN13	38 41 41	112 33 56	1.50	1.50	3.00	1.000	700	N	N	150	700
1409CN13	38 41 31	112 32 32	1.50	5.00	10.00	>2.000	1,500	N	N	50	300
1410CN13	38 41 45	112 31 19	7.00	1.00	1.50	>2.000	3,000	N	N	70	1,500
1411CN13	38 41 12	112 32 26	3.00	1.00	2.00	>2.000	2,000	N	N	100	1,000
1412CN13	38 42 51	112 31 43	5.00	1.70	5.00	2.000	1,500	N	N	70	1,500
1413CN13	38 42 50	112 31 47	5.00	2.00	10.00	1.500	1,500	N	N	30	10,000
1414CN13	38 42 49	112 31 49	5.00	3.00	10.00	1.500	1,500	N	N	30	10,000
1415CN13	38 43 34	112 30 40	7.00	1.20	7.00	>2.000	>10,000	N	N	30	3,000
1416CN13	38 42 34	112 33 48	15.00	1.50	5.00	2.000	700	3.0	N	<20	>10,000
1417CN13	38 42 15	112 33 29	5.00	1.50	5.00	>2.000	1,500	N	N	50	10,000
1418CN13	38 42 56	112 32 31	10.00	1.00	5.00	>2.000	1,000	N	N	70	5,000
1419CN13	38 45 26	112 31 24	2.00	1.50	1.00	1.500	3,000	N	N	50	300
1420CN13	38 45 56	112 30 57	3.00	1.00	1.00	1.500	7,000	N	N	50	300
1421CN13	38 47 9	112 30 43	5.00	1.50	1.50	>2.000	10,000	N	N	70	150
1422CN13	38 45 55	112 33 40	3.00	1.20	3.00	>2.000	1,000	N	N	300	700

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-WO	S-NB	S-NI	S-PB
1378CN13	<2.0	N	N	N	100	N	1,000	N	300	N	30
1379CN13	<2.0	N	N	10	100	<10	500	7	200	N	100
1380CN13	<2.0	N	N	10	150	10	1,000	N	300	N	100
1384CN13	3.0	N	N	10	200	20	1,000	N	200	N	100
1385CN13	<2.0	N	N	10	150	<10	700	10	300	N	70
1386CN13	<2.0	N	N	N	150	N	500	N	200	N	N
1387CN13	<2.0	N	N	<10	100	10	300	N	200	N	20
1388CN13	<2.0	N	N	<10	150	<10	700	N	300	N	20
1389CN13	N	N	N	15	500	10	500	N	200	20	300
1397CN12	<2.0	N	N	10	200	<10	300	N	150	20	20
1391CN13	<2.0	N	N	N	150	<10	500	N	300	N	>50,000
1392CN13	<2.0	N	N	10	150	<10	700	10	300	N	70
1393CN13	2.0	N	N	<10	150	<10	500	N	200	N	30
1394CN13	3.0	N	N	<10	30	10	50	N	<50	N	N
1395CN12	3.0	N	N	N	150	N	300	N	150	N	50
1396CN12	2.0	N	N	N	70	<10	300	N	100	N	70
1397CN12	3.0	N	N	<10	100	N	200	N	100	N	70
1398CN13	<2.0	N	N	N	30	<10	150	N	<50	N	20
1399CN13	<2.0	N	N	N	70	<10	300	10	150	20	200
1400CN13	N	N	N	N	30	N	200	N	70	N	50
1401CN13	N	N	N	N	70	10	300	N	70	N	50
1402CN13	<2.0	N	N	N	30	<10	200	N	70	N	30
1403CN13	N	N	N	N	70	10	300	N	N	N	7,000
1404CN13	<2.0	N	N	10	200	20	700	N	150	50	150
1405CN13	2.0	N	N	N	100	<10	700	N	200	N	150
1406CN13	<2.0	N	N	N	150	10	700	N	300	N	1,000
1407CN13	2.0	N	N	N	150	<10	300	N	70	N	50
1408CN42	2.0	N	N	10	500	20	100	N	<50	20	500
1409CN42	<2.0	N	N	30	1,500	<10	300	N	150	150	N
1417CN42	3.0	N	N	70	1,000	50	700	10	N	150	100
1411CN42	5.0	N	N	<10	50	15	300	N	70	N	20
1412CN42	<2.0	N	N	15	1,500	10	700	N	150	100	30
1414CN42	10.0	N	N	50	70	30	300	50	200	N	150
1415CN42	10.0	N	N	10	30	20	300	20	100	N	500
1415CN42	15.0	N	N	15	150	70	700	10	70	20	300
1417CN42	5.0	N	N	20	500	30	500	10	70	50	300
1418CN42	5.0	N	N	15	500	30	700	N	70	70	100
1419CN42	20.0	N	N	N	<20	10	300	10	200	N	300
1420CN42	2.0	N	N	70	150	150	700	10	50	30	300
1422CN42	7.0	N	N	10	150	30	1,000	20	100	N	100
1424CN42	7.0	N	N	30	300	150	500	10	70	70	150
1425CN42	50.0	N	N	N	<20	N	1,000	70	200	N	500
1426CN42	15.0	N	N	N	20	<10	300	N	200	N	300
1427CN42	20.0	200	N	N	50	<10	2,000	15	700	N	700
1428CN42	<2.0	N	N	N	100	20	500	10	150	N	50

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-SV	S-W	S-Y	S-ZN	S-ZR	S-TH
1373CN13	V	100	300	100	V	500	300	>2,000	1,500
1379CN13	N	N	300	200	N	300	N	>2,000	700
1387CN13	N	50	300	200	N	500	N	>2,000	1,500
1384CN13	N	20	300	150	N	500	N	>2,000	700
1385CN13	V	V	300	150	N	300	N	>2,000	1,000
1385CN13	N	V	300	70	N	300	N	>2,000	500
1387CN13	V	V	300	100	V	200	N	>2,000	300
1388CN13	N	15	300	100	N	300	300	>2,000	1,500
1389CN13	N	50	300	200	N	500	N	>2,000	1,500
1391CN12	N	150	1,500	150	V	200	N	>2,000	500
1391CN13	N	N	2,000	150	N	300	N	>2,000	700
1392CN13	V	20	500	150	N	300	N	>2,000	700
1393CN13	V	15	300	100	N	300	N	>2,000	700
1394CN13	N	N	1,000	70	N	150	N	>2,000	N
1395CN12	V	N	300	150	N	700	N	>2,000	300
1396CN12	N	N	300	70	N	300	N	>2,000	150
1397CN12	V	N	500	100	N	700	300	>2,000	300
1398CN13	V	V	<200	50	N	100	N	>2,000	N
1399CN13	V	N	200	100	V	500	300	>2,000	500
1407CN13	N	N	200	70	N	150	N	>2,000	N
1401CN13	N	N	500	70	N	300	N	>2,000	N
1402CN13	N	V	200	70	N	200	N	>2,000	150
1403CN13	N	N	500	70	N	200	5,000	>2,000	N
1404CN13	N	15	500	100	N	300	N	>2,000	500
1405CN13	N	N	700	100	N	500	N	>2,000	300
1406CN13	V	N	700	200	N	300	N	>2,000	700
1407CN13	N	V	500	70	N	200	N	>2,000	N
1408CN42	V	N	1,500	100	N	150	N	>2,000	N
1409CN42	N	20	<200	150	N	300	N	>2,000	N
1417CN42	N	N	700	300	N	200	N	>2,000	N
1411CN42	V	N	500	70	V	200	N	>2,000	200
1412CN42	N	50	700	150	N	1,000	N	>2,000	150
1414CN42	V	300	200	300	100	200	N	>2,000	N
1415CN42	N	100	300	150	N	200	N	>2,000	150
1415CN42	V	300	1,000	200	V	500	N	>2,000	300
1417CN42	N	V	1,000	150	N	300	N	>2,000	150
1418CN42	N	30	1,000	150	N	300	N	>2,000	N
1419CN42	N	300	200	70	N	3,000	1,000	>2,000	2,000
1420CN42	V	N	1,000	100	N	200	N	>2,000	N
1422CN42	N	V	1,000	200	V	200	N	>2,000	150
1424CN42	V	N	1,000	300	N	200	150	>2,000	N
1425CN42	N	1,000	200	70	N	2,000	1,000	>2,000	5,000
1426CN42	N	1,500	200	70	N	500	700	>2,000	1,000
1427CN42	V	100	<200	50	V	2,000	1,000	>2,000	2,000
1428CN42	V	15	700	300	N	300	300	>2,000	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-WGX	S-CAZ	S-TIX	S-WV	S-AG	S-AS	S-E	S-BA
1422CN42	38 26 5	112 34 5	.70	.50	7.00	>2.000	700	N	N	70	200
1432CN42	38 25 32	112 35 5	2.00	.70	3.00	>2.000	1,000	N	N	50	10,000
1431CN42	38 27 5	112 34 16	5.00	1.00	2.00	1.500	1,000	N	N	30	7,000
1433CN42	38 28 16	112 34 26	10.00	10.00	15.00	1.500	2,000	N	1,000	200	1,000
1435CN13	38 30 25	112 35 43	1.00	.70	10.00	1.500	1,000	N	N	100	700
1435CN13	38 30 14	112 34 47	2.00	1.00	5.00	2.000	1,500	N	N	20	700
1437CN13	38 30 2	112 33 1	2.00	.20	7.00	>2.000	1,000	N	N	20	300
1439CN13	38 33 0	112 33 54	1.00	.30	15.00	>2.000	1,500	N	N	50	200
1441CN13	38 31 7	112 34 41	1.50	.20	7.00	>2.000	1,000	N	N	<20	1,500
1444CN13	38 34 20	112 34 8	1.50	.30	3.00	1.500	700	N	N	50	>10,000
1445CN13	38 34 43	112 34 3	1.50	.50	7.00	2.000	1,000	N	N	150	500
1445CN13	38 34 41	112 33 56	3.00	1.00	5.00	>2.000	1,500	N	N	150	200
1447CN13	38 34 23	112 32 47	1.50	.70	15.00	1.500	1,000	N	N	100	700
1448CN13	38 35 43	112 31 32	5.00	3.00	7.00	>2.000	2,000	N	N	50	1,500
1449CN41	38 18 48	112 24 44	2.00	.50	3.00	>2.000	2,000	N	N	100	300
1450CN41	38 10 18	112 21 41	1.50	.70	10.00	2.000	1,000	N	N	30	300
1451CN41	38 10 19	112 21 41	2.00	1.00	7.00	>2.000	1,500	N	N	300	300
1452CN41	38 10 20	112 21 6	5.00	1.00	7.00	>2.000	2,000	N	N	20	500
1453CN41	38 16 2	112 20 17	1.50	2.00	10.00	>2.000	2,000	N	N	100	1,000
1455CN43	38 12 7	112 37 17	5.00	7.00	15.00	2.000	1,500	N	N	100	500
1457CN43	38 10 24	112 37 31	3.00	1.00	5.00	1.500	1,500	N	N	200	1,000
1458CN43	38 0 28	112 37 1	1.00	1.00	3.00	2.000	700	N	N	200	1,000
1459CN43	38 10 30	112 37 21	1.00	2.00	5.00	>2.000	1,000	N	N	100	700
1459CN13	38 39 38	112 33 17	2.00	.70	15.00	1.500	700	N	N	300	300
1461CN13	38 38 26	112 33 37	1.50	.70	7.00	>2.000	300	N	N	300	1,500
1462CN13	38 38 40	112 36 0	.70	.50	7.00	1.000	500	N	N	100	500
1464CN13	38 37 58	112 35 23	1.50	.70	5.00	>2.000	1,500	N	N	200	1,000
1465CN13	38 35 20	112 33 53	3.00	.50	3.00	1.500	2,000	N	N	200	700
1465CN13	38 35 40	112 33 16	2.00	1.00	5.00	>2.000	1,500	N	N	200	500
1467CN13	38 37 21	112 32 13	1.50	5.00	10.00	1.500	1,000	N	N	150	2,000
1468CN41	38 15 52	112 27 38	1.50	1.50	3.00	>2.000	1,000	N	N	30	500
1469CN41	38 17 32	112 26 55	5.00	5.00	7.00	1.500	2,000	N	N	<20	150
1470CN41	38 18 1	112 26 57	2.00	.70	3.00	>2.000	5,000	N	N	30	200
1471CN41	38 18 7	112 28 5	5.00	10.00	10.00	1.000	1,500	N	N	<20	50
1473CN41	38 17 6	112 29 8	2.00	3.00	5.00	>2.000	2,000	N	N	20	1,000
1474CN41	38 17 16	112 25 15	1.50	3.00	5.00	>2.000	1,500	N	N	50	300
1475CN41	38 16 22	112 25 43	5.00	10.00	10.00	1.500	1,500	N	N	20	70
1477CN41	38 18 0	112 23 8	2.00	1.50	5.00	>2.000	3,000	N	N	150	200
1478CN41	38 17 20	112 23 52	1.50	3.00	5.00	>2.000	1,500	N	N	50	300
1479CN41	38 17 26	112 23 52	1.00	1.00	3.00	>2.000	1,000	N	N	300	300
1480CN41	38 17 33	112 24 0	5.00	7.00	7.00	>2.000	3,000	N	N	20	150
1482CN41	38 10 42	112 26 1	1.50	1.00	5.00	>2.000	3,000	N	N	70	200
1483CN43	38 6 56	112 38 58	3.00	7.00	10.00	>2.000	1,500	N	N	150	10,000
1485CN43	38 5 0	112 43 3	2.00	5.00	7.00	.700	1,500	N	N	100	500
1486CN43	38 3 54	112 42 56	1.50	1.50	3.00	2.000	1,000	N	N	500	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	S-RF	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-WO	S-NB	S-NI	S-PB
1429CN42	<2.0	N	N	<10	100	20	700	N	150	N	50
1430CN42	<2.0	>2,000	N	10	70	10	500	N	70	N	500
1431CN42	2.0	N	N	15	100	30	200	N	<50	N	30
1433CN42	<2.0	N	N	50	3,000	150	500	N	<50	150	1,500
1435CN13	2.0	N	N	<10	200	<10	700	N	200	N	20
1436CN13	<2.0	N	N	10	200	<10	1,000	N	70	50	N
1437CN13	N	N	N	N	100	<10	700	15	150	N	N
1439CN13	N	N	N	N	100	N	1,500	10	150	N	N
1441CN13	<2.0	N	N	N	70	<10	1,000	15	200	N	N
1444CN13	<2.0	N	N	<5	30	<10	300	N	70	N	20
1445CN13	<2.0	N	N	N	100	<10	1,500	N	70	N	20
1446CN13	<2.0	N	N	10	200	10	1,500	N	100	N	20
1447CN13	<2.0	N	N	<10	100	<10	1,500	N	70	N	500
1448CN13	<2.0	N	N	20	700	10	700	N	150	70	20
1449CN41	5.0	N	N	N	200	<10	1,000	15	300	20	70
1450CN41	<2.0	N	N	<10	150	<10	1,000	N	70	N	200
1451CN41	<2.0	N	N	15	200	10	700	10	150	20	2,000
1452CN41	N	15	N	15	200	10	1,000	N	150	N	30
1453CN41	2.0	N	N	10	500	15	700	N	150	20	30
1455CN43	<2.0	N	N	20	1,000	<10	500	N	70	30	70
1457CN43	<2.0	N	N	15	30	20	300	N	<50	N	5,000
1458CN43	<2.0	N	N	<10	100	<10	150	N	100	N	200
1459CN43	N	N	N	10	300	N	700	N	200	N	N
1460CN13	2.0	N	N	N	150	10	500	7	100	30	50
1461CN13	<2.0	N	N	N	100	70	500	10	70	50	30
1462CN13	2.0	N	N	N	100	<10	500	N	70	N	N
1464CN13	<2.0	N	N	10	150	<10	500	N	150	N	100
1465CN13	5.0	N	N	10	100	20	500	N	50	30	100
1466CN13	2.0	N	N	10	200	<10	700	N	100	N	N
1467CN13	<2.0	N	N	<10	150	10	300	N	70	N	20
1468CN41	<2.0	N	N	N	300	N	700	10	200	30	N
1469CN41	<2.0	N	N	30	1,000	10	300	N	200	300	N
1470CN41	7.0	N	N	N	150	<10	700	15	200	N	50
1471CN41	<2.0	N	N	30	1,500	<10	200	N	100	200	N
1473CN41	2.0	N	N	20	500	10	700	15	200	30	20
1474CN41	<2.0	N	N	N	500	N	700	N	200	100	N
1475CN41	N	N	N	50	1,500	10	100	N	<50	100	N
1477CN41	3.0	N	N	N	300	N	1,500	N	500	N	30
1478CN41	<2.0	N	N	10	700	<10	700	7	200	30	N
1479CN41	<2.0	N	N	<10	300	N	500	N	150	N	N
1480CN41	<2.0	N	N	30	1,000	<10	500	N	150	100	20
1482CN41	10.0	N	N	N	500	N	700	10	300	20	20
1483CN43	N	N	N	20	1,000	<10	300	N	100	100	N
1485CN43	<2.0	N	N	15	700	<10	100	N	<50	50	N
1486CN43	<2.0	N	N	10	500	<10	300	N	70	30	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-SV	S-M	S-Y	S-ZN	S-ZR	S-TH
1427CV42	N	N	500	200	N	300	N	>2,000	200
1437CV42	N	N	300	150	70	300	N	>2,000	300
1431CV42	N	N	1,000	150	N	100	N	>2,000	N
1433CV42	N	20	1,500	500	N	200	N	>2,000	N
1435CV13	N	N	1,000	100	N	300	N	>2,000	500
1436CV13	N	N	1,000	300	N	500	N	>2,000	N
1437CV13	N	20	500	300	N	500	N	>2,000	N
1439CV13	N	30	700	200	N	700	N	>2,000	150
1441CV13	N	N	700	200	N	500	N	>2,000	150
1444CV13	N	N	2,000	70	N	200	N	>2,000	N
1445CV13	N	50	1,000	300	N	300	N	>2,000	300
1446CV13	N	N	700	500	N	500	N	>2,000	N
1447CV13	N	15	1,000	70	N	300	N	>2,000	150
1448CV13	N	N	300	300	N	300	N	>2,000	150
1449CV41	N	50	200	150	N	1,000	N	>2,000	300
1457CV41	N	100	1,000	100	N	300	N	>2,000	N
1451CV41	N	50	1,000	300	N	300	N	>2,000	150
1452CV41	N	N	700	300	N	500	N	>2,000	500
1453CV41	N	100	1,000	200	N	500	N	>2,000	200
1456CV43	N	150	700	200	N	700	N	>2,000	N
1457CV43	N	N	1,000	150	N	200	N	>2,000	N
1458CV43	N	N	700	100	N	200	N	>2,000	N
1459CV43	N	100	700	70	N	1,000	N	>2,000	150
1467CV13	N	N	700	100	N	500	N	>2,000	150
1461CV13	N	N	700	200	N	500	N	>2,000	N
1462CV13	N	N	1,000	70	N	200	N	>2,000	150
1464CV13	N	N	700	100	N	300	N	>2,000	200
1465CV13	N	N	1,000	300	N	150	N	>2,000	N
1466CV13	N	500	700	100	N	300	N	>2,000	500
1467CV13	N	N	300	200	N	200	N	>2,000	N
1468CV41	N	200	500	150	N	500	N	>2,000	200
1469CV41	N	15	200	200	N	300	N	>2,000	N
1470CV41	N	150	N	150	N	1,000	500	>2,000	500
1471CV41	N	N	200	200	N	200	N	>2,000	N
1473CV41	N	100	200	150	N	700	N	>2,000	200
1474CV41	N	50	200	100	N	500	N	>2,000	200
1475CV41	N	N	200	300	N	150	N	>2,000	N
1477CV41	N	150	200	100	N	3,000	300	>2,000	300
1478CV41	N	70	200	100	N	700	N	>2,000	200
1479CV41	N	100	700	100	N	500	N	>2,000	300
1480CV41	N	30	200	500	N	500	N	>2,000	N
1482CV41	N	300	<200	200	N	3,000	1,000	>2,000	700
1483CV43	N	20	200	300	N	500	N	>2,000	300
1485CV43	N	N	700	200	N	100	N	>2,000	N
1486CV43	N	N	500	100	N	300	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-WGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
1487CN43	38 6 20	112 41 32	2.00	5.00	7.00	2.000	1.500	N	N	100	200
1488CN43	38 6 10	112 43 17	2.00	3.00	7.00	2.00	1.000	N	N	100	200
1489CN43	38 6 18	112 43 7	2.00	3.00	7.00	2.00	1.000	N	N	100	500
1490CN43	38 6 20	112 43 8	2.00	2.00	3.00	2.00	1.000	N	N	100	300
1491CN43	38 6 11	112 40 58	2.00	.50	2.00	1.500	1.000	N	N	70	500
1492CN43	38 9 15	112 42 36	3.00	1.50	3.00	2.000	2.000	N	N	500	700
1493CN43	38 8 48	112 43 24	2.00	3.00	7.00	2.000	1.000	N	N	300	500
1494CN43	38 8 9	112 38 46	1.50	.70	3.00	2.000	7.00	N	1,500	200	1,000
1495CN43	38 3 23	112 39 22	3.00	5.00	10.00	2.000	1.500	N	N	200	2,000
1496CN43	38 0 42	112 40 38	3.00	1.00	3.00	1.000	1.000	N	N	70	1,000
1497CN43	38 9 50	112 43 53	1.00	.70	2.00	2.000	3.00	N	N	500	500
1498CN43	38 10 33	112 42 33	7.00	5.00	5.00	2.000	1.500	N	N	200	3,000
1499CN43	38 10 11	112 39 10	.70	.20	15.00	2.00	1.000	N	N	150	300
1500CN43	38 5 25	112 39 9	1.00	.50	2.00	2.000	5.00	N	N	300	700
1501CN43	38 5 28	112 39 51	1.00	1.00	3.00	2.000	7.00	N	N	300	300
1505CN42	38 18 50	112 32 58	2.00	5.00	5.00	2.000	1.500	N	N	150	100
1506CN42	38 19 25	112 32 35	1.50	.70	15.00	1.500	1.000	N	N	30	1,500
1508CN42	38 20 14	112 32 42	1.50	2.00	15.00	1.500	1.000	N	N	20	5,000
1509CN42	38 21 3	112 33 48	3.00	.70	1.50	2.000	1.500	N	N	200	300
1510CN42	38 21 18	112 34 1	5.00	2.00	10.00	.500	1.500	N	N	30	300
1511CN42	38 22 10	112 34 6	5.00	2.00	15.00	2.000	1.500	N	N	20	1,000
1512CN42	38 23 0	112 34 0	7.00	.70	10.00	2.000	2.000	N	N	30	10,000
1513CN42	38 23 46	112 34 7	5.00	.30	3.00	2.000	1.000	N	N	100	3,000
1514CN42	38 24 11	112 33 26	10.00	.30	3.00	2.000	1.500	N	N	50	700
1515CN42	38 24 18	112 34 10	2.00	.20	5.00	2.000	7.00	N	N	100	10,000
1516CN42	38 20 51	112 32 45	7.00	.70	5.00	2.000	2.000	N	N	70	2,000
1517CN42	38 21 2	112 32 35	7.00	1.00	2.00	2.000	2.000	N	N	50	10,000
1518CN42	38 21 42	112 32 3	3.00	.50	5.00	2.000	7.00	N	N	20	10,000
1519CN42	38 22 30	112 31 20	5.00	.70	3.00	2.000	10,000	N	N	50	1,500
1520CN42	38 21 36	112 31 43	7.00	.50	10.00	2.000	1.000	N	N	20	10,000
1521CN42	38 22 13	112 30 55	3.00	.30	3.00	2.000	7.00	N	N	150	10,000
1522CN42	38 22 28	112 30 36	7.00	.70	1.00	2.000	1.000	N	N	100	1,500
1523CN41	38 22 54	112 29 37	3.00	.30	5.00	2.000	7.00	N	N	20	3,000
1524CN41	38 22 52	112 29 38	15.00	.30	1.00	2.000	5.00	N	N	50	10,000
1525CN42	38 22 45	112 30 19	10.00	.30	.70	2.000	7.00	N	N	100	700
1526CN42	38 23 0	112 30 58	10.00	.30	1.00	1.500	10,000	N	N	150	1,000
1527CN42	38 23 7	112 31 6	10.00	.30	.50	2.000	10,000	N	N	200	700
1528CN42	38 23 44	112 30 15	5.00	.30	1.50	1.500	10,000	N	N	70	1,500
1529CN41	38 23 43	112 29 39	7.00	.30	1.00	1.000	10,000	N	N	100	1,500
1531CN42	38 23 27	112 30 33	10.00	1.00	2.00	.300	10,000	N	N	100	1,000
1532CN41	38 24 1	112 29 14	2.00	.30	1.00	1.000	2,000	N	N	200	1,500
1533CN41	38 23 56	112 29 13	1.50	.10	.70	1.000	7,000	N	N	70	300
1534CN41	38 23 50	112 29 3	15.00	.15	1.00	2.000	5,000	N	N	30	700
1535CN41	38 24 56	112 29 41	3.00	.10	1.50	.700	10,000	N	N	70	5,000
1536CN41	38 25 1	112 29 28	5.00	.70	1.50	.500	3,000	N	N	50	700

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RE	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1487CN43	N	N	N	15	1,500	<7	500	N	150	100	N
1488CN43	N	N	N	20	700	<7	100	N	<50	50	50
1489CN43	N	N	N	10	150	<7	N	N	<50	N	20
1490CN43	N	N	N	10	150	<10	150	N	<50	N	N
1491CN43	<2.0	N	N	10	50	10	100	N	50	N	N
1492CN43	<2.0	N	N	20	150	70	300	N	100	N	100
1493CN43	<2.0	N	N	15	1,500	<10	500	N	70	30	20
1494CN43	<2.0	N	N	N	100	<10	200	N	70	N	50
1495CN43	<2.0	N	N	15	700	<10	150	N	70	30	20
1496CN43	<2.0	N	N	10	30	10	50	N	<50	N	20
1497CN43	<2.0	N	N	N	70	<10	200	N	70	N	20
1498CN43	<2.0	N	N	50	150	70	500	N	100	N	20
1499CN43	N	N	N	N	20	<10	1,500	N	N	N	N
1500CN43	<2.0	N	N	<10	70	100	200	N	70	N	20
1501CN43	<2.0	N	N	<10	150	<10	200	N	70	N	N
1502CN42	<2.0	N	N	20	1,000	<10	500	N	150	100	300
1503CN42	7.0	N	N	10	150	10	1,000	N	<50	N	N
1504CN42	<2.0	N	N	10	700	10	1,000	N	70	50	300
1505CN42	15.0	15	N	N	100	<10	700	30	300	N	300
1506CN42	5.0	N	N	10	700	20	500	10	50	50	20
1511CN42	3.0	N	N	10	500	50	1,500	N	<50	20	100
1512CN42	10.0	N	N	15	200	50	700	10	70	N	200
1513CN42	7.0	N	N	15	70	20	1,000	20	200	N	150
1514CN42	10.0	N	N	10	150	50	500	20	300	N	150
1515CN42	5.0	N	N	<10	100	30	300	70	150	N	150
1516CN42	15.0	N	N	15	100	50	700	15	150	N	100
1517CN42	15.0	N	N	100	150	30	500	50	150	N	300
1518CN42	3.0	N	N	N	100	200	500	N	<50	150	100
1519CN42	50.0	50	N	N	150	20	700	15	300	N	1,500
1520CN42	10.0	N	N	10	100	50	700	20	100	N	70
1521CN42	7.0	N	N	<10	200	20	300	50	200	N	300
1522CN42	7.0	N	N	10	150	50	200	50	100	N	100
1523CN41	7.0	N	N	<10	150	50	500	20	100	N	100
1524CN41	7.0	N	N	<10	200	100	300	50	150	N	150
1525CN42	10.0	N	N	10	150	100	300	50	150	N	150
1526CN42	70.0	N	N	N	70	15	300	15	100	N	1,500
1527CN42	100.0	N	N	N	20	10	150	7	150	N	700
1528CN42	100.0	N	N	N	30	10	300	15	500	N	500
1529CN41	15.0	N	N	N	30	10	1,500	50	70	N	700
1530CN42	20.0	N	N	N	300	<10	100	30	70	20	300
1531CN42	7.0	N	N	N	30	10	500	10	150	N	300
1532CN41	7.0	N	N	N	<20	<10	1,000	20	500	N	700
1533CN41	15.0	30	N	N	20	7	1,000	50	500	N	300
1534CN41	20.0	N	N	N	70	<10	300	15	200	N	500
1535CN41	50.0	N	N	N	300	<10	200	20	150	N	100
1536CN41	50.0	N	N	N	300	<10	200	20	150	N	100

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-V	S-W	S-V	S-ZN	S-ZR	S-TH
1487CN43	N	N	500	150	N	500	N	>2,000	N
1489CN43	N	N	1,000	150	N	150	N	>2,000	N
1489CN43	N	N	2,000	100	N	100	N	>2,000	N
1490CN43	N	N	1,000	100	N	150	N	>2,000	N
1491CN43	N	N	1,000	100	N	150	N	>2,000	N
1492CN43	N	N	500	150	N	200	N	>2,000	N
1493CN43	N	15	300	200	N	300	N	>2,000	200
1494CN43	N	15	1,000	70	N	200	N	>2,000	N
1495CN43	N	20	1,000	200	N	150	N	>2,000	300
1496CN43	N	N	1,500	70	N	100	N	>2,000	N
1497CN43	N	N	500	70	N	200	N	>2,000	150
1498CN43	N	N	500	300	N	300	N	>2,000	N
1499CN43	N	N	300	50	N	500	N	>2,000	300
1500CN43	N	N	500	70	N	200	N	>2,000	N
1501CN43	N	N	500	70	N	300	N	>2,000	N
1503CN42	N	300	<200	150	N	500	N	>2,000	200
1505CN42	N	100	1,000	70	N	300	N	>2,000	150
1508CN42	N	50	1,000	70	N	200	N	>2,000	150
1509CN42	N	100	<200	100	N	1,000	500	>2,000	1,500
1510CN42	N	70	1,000	200	N	200	N	>2,000	150
1511CN42	N	N	1,000	200	N	300	N	>2,000	N
1512CN42	N	1,000	1,000	200	N	100	N	>2,000	200
1513CN42	N	200	300	150	N	200	N	>2,000	150
1514CN42	N	70	300	200	N	200	N	>2,000	200
1515CN42	N	200	2,000	300	N	200	N	>2,000	N
1516CN42	N	500	700	300	N	300	N	>2,000	300
1517CN42	N	300	1,500	300	N	300	N	>2,000	150
1518CN42	N	N	1,000	100	N	200	N	>2,000	N
1519CN42	N	N	300	150	N	1,000	N	>2,000	1,500
1520CN42	N	100	1,000	300	N	200	N	>2,000	150
1521CN42	N	500	1,500	300	N	200	N	>2,000	150
1522CN42	N	N	300	500	N	100	N	>2,000	N
1523CN41	N	N	1,500	300	N	200	N	>2,000	N
1524CN41	N	>2,000	1,000	500	N	200	N	>2,000	150
1525CN42	N	N	500	300	N	300	N	>2,000	150
1526CN42	N	200	200	100	N	1,500	1,000	>2,000	1,500
1528CN42	N	500	N	70	N	>5,000	700	>2,000	5,000
1529CN42	N	>2,000	N	70	N	>5,000	700	>2,000	5,000
1530CN41	N	N	N	50	N	3,000	700	>2,000	5,000
1531CN42	N	>2,000	500	70	N	2,000	700	>2,000	1,500
1532CN41	N	N	<200	70	N	300	N	>2,000	3,000
1533CN41	N	15	<200	50	N	1,000	500	>2,000	5,000
1534CN41	N	200	N	70	N	1,500	700	>2,000	2,000
1535CN41	N	200	200	100	N	>5,000	700	>2,000	3,000
1536CN41	N	150	<200	50	N	1,500	1,500	>2,000	2,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FFZ	S-WGZ	S-CAZ	S-TTZ	S-WN	S-AG	S-AS	S-B	S-BA
1527CV41	38 25 13	112 29 17	7.00	.50	1.50	2.000	10.000	N	N	70	500
1527CV41	38 25 20	112 28 50	1.50	.20	1.00	.300	7.000	N	N	100	5,000
1547CV41	38 25 40	112 29 3	3.00	.30	1.50	2.000	7.000	N	N	70	300
1547CV41	38 25 34	112 29 4	7.00	.20	.15	>2.000	>10.000	N	N	150	3,000
1543CV41	38 25 9	112 29 57	3.00	1.00	2.00	1.000	7.000	N	N	150	200
1544CV41	38 25 17	112 28 12	3.00	.50	1.50	1.000	3.000	N	N	100	700
1545CV41	38 25 21	112 28 12	2.00	.50	1.50	1.000	7.000	N	N	200	500
1547CV41	38 25 49	112 28 37	3.00	.20	1.50	1.000	10.000	N	N	70	500
1557CV41	38 25 48	112 28 17	2.00	.20	1.00	1.000	10.000	N	N	150	1,500
1551CV41	38 26 18	112 28 42	2.00	.50	1.00	.700	2.000	N	N	150	300
1552CV41	38 26 36	112 29 15	2.00	.30	.50	1.000	5.000	N	N	30	100
1553CV42	38 26 57	112 30 3	5.00	.70	1.50	1.500	7.000	N	N	70	500
1554CV42	38 25 4	112 30 21	7.00	.30	.50	>2.000	10.000	N	N	150	300
1555CV42	38 25 24	112 30 23	3.00	.70	1.00	1.000	5.000	N	N	100	300
1556CV42	38 25 11	112 30 31	7.00	.30	.70	2.000	>10.000	N	N	100	700
1557CV42	38 25 42	112 30 55	15.00	.70	1.00	>2.000	10.000	N	N	50	300
1558CV42	38 27 10	112 30 35	3.00	.30	1.00	2.000	7.000	N	N	50	700
1559CV42	38 26 55	112 30 42	5.00	.70	1.50	2.000	10.000	N	N	100	200
1561CV42	38 26 34	112 31 22	5.00	.70	5.00	2.000	2.000	N	N	50	>10,000
1562CV42	38 25 38	112 32 34	5.00	.20	3.00	>2.000	1.000	N	N	50	7,000
1563CV42	38 26 0	112 33 26	2.00	1.50	3.00	>2.000	1.000	N	700	300	500
1564CV42	38 25 11	112 34 52	5.00	.50	1.50	>2.000	1.000	N	N	150	1,000
1565CV42	38 24 42	112 34 51	7.00	.20	2.00	>2.000	1.000	N	N	50	10,000
1566CV42	38 27 4	112 34 42	2.00	1.00	5.00	>2.000	2.000	N	N	100	1,500
1567CV42	38 27 7	112 34 18	1.50	1.00	3.00	1.500	1.000	N	N	30	700
1568CV42	38 26 54	112 34 1	3.00	.50	5.00	>2.000	1.500	N	N	100	1,500
1569CV42	38 26 59	112 33 35	2.00	.30	10.00	>2.000	1.500	N	N	50	7,000
1570CV42	38 27 7	112 33 9	7.00	.50	3.00	>2.000	1.500	N	N	30	>10,000
1571CV42	38 27 27	112 32 22	10.00	1.50	3.00	>2.000	2.000	N	N	20	3,000
1572CV42	38 27 24	112 32 21	20.00	.50	2.00	2.000	1.000	N	N	20	5,000
1573CV42	38 27 23	112 32 36	5.00	.50	3.00	>2.000	1.000	N	N	20	>10,000
1575CV42	38 27 49	112 34 43	3.00	2.00	5.00	>2.000	5.000	N	N	30	1,000
1575CV41	38 21 28	112 22 53	3.00	5.00	7.00	1.000	2.000	N	N	<20	200
1587CV41	38 23 24	112 23 2	5.00	.70	30.00	2.000	3.000	N	N	<20	1,500
1582CV41	38 25 28	112 23 56	5.00	.30	2.00	>2.000	10.000	N	N	50	700
1583CV41	38 25 6	112 23 14	7.00	.30	7.00	>2.000	1.500	N	N	30	1,500
1584CV41	38 24 54	112 23 22	7.00	.15	1.50	>2.000	7.000	N	N	20	700
1585CV41	38 24 52	112 23 20	50.00	.50	3.00	1.000	1.000	N	N	70	10,000
1586CV41	38 25 41	112 23 20	.70	.30	.50	.300	2.000	N	N	20	300
1587CV41	38 25 38	112 23 38	15.00	.50	1.50	>2.000	>10.000	N	N	20	700
1588CV41	38 25 53	112 22 56	2.00	.30	3.00	>2.000	10.000	N	N	30	1,000
1589CV41	38 26 2	112 22 25	15.00	1.00	5.00	>2.000	1.500	N	N	20	>10,000
1591CV41	38 25 46	112 22 42	7.00	.300	3.00	1.500	2.000	N	N	30	1,000
1592CV42	38 16 52	112 34 4	1.00	1.00	7.00	>2.000	3.000	N	N	20	100
1593CV42	38 16 22	112 33 27	5.00	10.00	10.00	1.500	3.000	N	N	70	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-9F	S-RT	S-CD	S-CO	S-GR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1537CN41	20.0	N	N	N	70	<10	300	20	150	N	700
1539CN41	15.0	N	N	N	20	N	100	N	100	N	20
1540CN41	10.0	N	N	N	30	<10	1,000	N	500	N	150
1541CN41	50.0	N	N	N	<20	<10	1,500	N	200	N	700
1543CN41	20.0	N	N	N	150	<10	200	N	150	20	N
1544CN41	15.0	N	N	N	30	15	150	N	100	N	30
1545CN41	15.0	N	N	N	30	N	300	20	150	N	700
1547CN41	20.0	N	N	N	20	10	500	N	200	N	200
1550CN41	15.0	N	N	N	<20	10	1,000	7	300	N	200
1551CN41	20.0	N	N	N	30	N	100	N	100	N	70
1552CN41	10.0	N	N	N	20	N	150	N	300	N	300
1553CN42	50.0	N	N	N	50	10	200	10	200	N	700
1554CN42	100.0	N	N	N	30	<10	200	N	150	N	300
1555CN42	15.0	15	N	N	20	<10	100	N	200	N	100
1556CN42	20.0	N	N	N	20	<10	500	15	500	N	1,500
1557CN42	30.0	N	N	N	50	<10	700	10	700	N	700
1558CN42	15.0	N	N	N	100	<10	1,000	10	300	N	1,000
1559CN42	15.0	20	N	<10	30	<10	700	N	300	N	500
1560CN42	7.0	N	N	N	200	20	1,500	20	200	N	150
1562CN42	7.0	N	N	10	100	30	500	10	100	N	300
1563CN42	<2.0	N	N	10	50	20	500	10	150	N	30
1564CN42	3.0	50	N	10	150	50	300	10	100	N	100
1565CN42	3.0	500	N	<10	200	30	300	20	150	N	100
1566CN42	2.0	N	N	10	300	10	500	N	200	20	70
1567CN42	<2.0	N	N	10	200	10	300	N	100	N	150
1568CN42	2.0	N	N	15	50	50	500	15	70	N	100
1569CN42	<2.0	N	N	10	50	10	700	N	70	N	50
1570CN42	2.0	N	N	20	100	30	500	10	70	20	70
1571CN42	<2.0	N	N	30	100	30	500	N	150	N	300
1572CN42	2.0	N	N	100	100	100	300	N	70	50	150
1573CN42	<2.0	N	N	20	100	20	300	10	150	N	70
1575CN42	2.0	N	N	20	700	15	500	N	200	70	70
1576CN41	N	N	N	15	1,000	<10	700	N	<50	100	N
1587CN41	N	N	N	15	150	30	1,500	N	N	N	50
1588CN41	20.0	15	N	N	100	<10	700	30	500	N	500
1589CN41	7.0	N	N	15	70	50	700	N	100	N	100
1584CN41	15.0	100	N	N	70	70	500	70	700	N	1,000
1585CN41	7.0	N	N	100	100	200	500	N	70	150	500
1586CN41	7.0	N	N	N	20	<10	50	N	100	N	500
1587CN41	30.0	N	N	20	70	50	700	200	700	N	1,000
1588CN41	15.0	N	N	N	50	<10	500	30	200	N	1,000
1589CN41	5.0	N	N	30	200	50	500	7	<50	20	150
1591CN41	5.0	N	N	20	500	50	500	7	<50	70	100
1592CN42	N	N	N	N	300	<10	2,000	N	200	N	100
1593CN42	<2.0	N	N	30	1,000	15	1,000	N	70	100	20

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1537CN41	N	20	N	70	N	>5,000	N	>2,000	3,000
1539CN41	N	70	200	50	N	1,000	500	>2,000	2,000
1541CN41	N	500	200	70	N	700	500	>2,000	1,500
1541CN41	N	300	N	50	N	>5,000	700	>2,000	3,000
1543CN41	N	100	<200	70	N	700	700	>2,000	1,500
1544CN41	N	200	200	100	N	700	N	>2,000	1,500
1545CN41	N	N	200	50	N	700	500	>2,000	1,500
1547CN41	N	500	N	70	N	>5,000	700	>2,000	5,000
1551CN41	N	N	N	50	N	>5,000	700	>2,000	>5,000
1551CN41	N	500	N	100	N	1,000	N	>2,000	1,000
1552CN41	N	20	N	50	N	100	N	>2,000	150
1553CN42	N	300	200	50	N	3,000	1,000	>2,000	2,000
1554CN42	N	1,000	N	50	N	>5,000	500	>2,000	5,000
1555CN42	N	300	<200	70	N	500	700	>2,000	1,000
1556CN42	N	100	N	150	N	2,000	700	>2,000	1,500
1557CN42	N	500	<200	50	N	1,500	700	>2,000	2,000
1558CN42	N	300	<200	70	N	500	300	>2,000	1,500
1559CN42	N	50	200	70	N	500	N	>2,000	N
1561CN42	N	700	1,000	200	N	500	N	>2,000	500
1562CN42	N	N	1,000	150	N	200	N	>2,000	200
1563CN42	N	N	300	200	N	300	N	>2,000	500
1564CN42	N	N	500	300	N	200	N	>2,000	150
1565CN42	N	N	1,500	700	N	200	N	>2,000	N
1566CN42	N	15	700	200	N	500	500	>2,000	500
1567CN42	N	300	1,000	100	N	300	500	>2,000	300
1568CN42	N	N	300	150	N	500	N	>2,000	N
1569CN42	N	N	700	100	70	300	N	>2,000	150
1570CN42	N	N	1,000	200	N	200	N	>2,000	N
1571CN42	N	N	300	300	N	300	500	>2,000	150
1572CN42	N	N	500	200	N	150	N	>2,000	N
1573CN42	N	N	1,000	100	N	300	N	>2,000	150
1575CN42	N	30	700	150	N	500	N	>2,000	500
1576CN41	N	N	700	300	N	200	300	>2,000	N
1580CN41	N	N	1,000	300	N	300	N	>2,000	N
1582CN41	N	200	200	100	N	500	N	>2,000	700
1583CN41	N	N	1,000	200	N	300	N	>2,000	N
1584CN41	N	300	<200	100	N	500	500	>2,000	700
1585CN41	N	200	500	150	N	100	N	>2,000	N
1586CN41	N	N	<200	30	N	70	N	>2,000	N
1587CN41	N	300	200	150	70	300	N	>2,000	300
1588CN41	N	200	200	70	N	500	300	>2,000	300
1590CN41	N	N	1,500	500	70	150	N	>2,000	N
1591CN41	N	N	500	500	N	150	N	>2,000	N
1592CN42	N	300	N	100	N	5,000	N	>2,000	200
1593CN42	N	N	300	150	N	500	N	>2,000	200

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CAY	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
1594CN41	38 27 31	112 15 45	3.00	2.00	2.00	>2.000	7.000	N	N	150	1,500
1595CN41	38 27 30	112 17 17	5.00	5.00	5.00	>2.000	7.000	N	N	30	300
1596CN41	38 27 31	112 21 8	20.00	2.00	7.00	2.00	200	7.0	1,000	<20	200
1597CN41	38 20 15	112 10 54	3.00	5.00	2.00	>2.000	7.00	N	N	100	3,000
1601CN43	38 10 14	112 45 40	2.00	5.00	7.00	2.000	7.00	N	N	70	200
1604CN43	38 10 8	112 46 26	1.50	2.00	10.00	3.00	500	N	N	20	500
1605CN43	38 12 32	112 51 57	5.00	2.00	5.00	1.000	1,500	N	N	50	1,000
1606CN43	38 12 38	112 52 48	3.00	2.00	15.00	1.000	1,000	N	N	<20	700
1611CN11	38 58 42	112 3 31	3.00	5.00	10.00	7.00	1,000	N	N	300	>10,000
1612CN11	38 58 41	112 3 37	3.00	7.00	7.00	3.00	1,500	N	N	100	5,000
1613CN12	38 58 56	112 3 39	2.00	3.00	5.00	1.500	500	N	N	700	>10,000
1614CN11	38 58 57	112 5 32	1.50	10.00	15.00	1.000	500	N	N	200	10,000
1615CN11	38 58 14	112 6 11	7.00	7.00	10.00	2.000	1,000	N	N	700	5,000
1616CN11	38 54 7	112 8 4	1.50	7.00	10.00	1.500	300	N	N	500	1,000
1617CN11	38 56 31	112 2 38	7.00	5.00	7.00	2.000	2,000	N	N	500	>10,000
1627CN11	38 52 50	112 8 34	1.00	3.00	5.00	>2.000	300	N	N	500	>10,000
1628CN11	38 52 37	112 8 40	7.00	5.00	10.00	2.000	200	N	N	700	10,000
1629CN11	38 53 3	112 8 36	1.50	3.00	5.00	>2.000	300	N	N	1,000	10,000
1634CN11	38 56 10	112 13 58	3.00	5.00	7.00	>2.000	700	N	N	700	>10,000
1635CN11	38 55 42	112 12 27	2.00	15.00	15.00	5.00	1,000	N	N	50	300
1636CN11	38 55 27	112 13 4	7.00	2.00	1.00	>2.000	500	N	N	500	10,000
1637CN11	38 50 6	112 13 50	10.00	3.00	5.00	2.000	1,500	N	N	300	300
1638CN11	38 47 10	112 5 52	9.50	5.00	7.00	2.00	200	N	N	150	>10,000
1639CN11	38 47 18	112 5 41	3.00	3.00	5.00	1.50	150	N	N	50	>10,000
1640CN11	38 47 21	112 5 40	5.00	15.00	20.00	1.00	300	N	N	300	>10,000
1641CN11	38 48 4	112 4 0	7.00	3.00	5.00	5.00	300	N	N	150	>10,000
1642CN11	38 48 15	112 3 55	3.00	5.00	5.00	2.00	200	N	N	100	>10,000
1643CN11	38 51 20	112 1 16	3.00	3.00	7.00	5.00	200	N	N	200	>10,000
1644CN11	38 52 1	112 1 14	1.00	5.00	7.00	1.500	300	N	N	700	>10,000
1645CN11	38 45 34	112 6 37	7.00	3.00	7.00	2.000	500	N	N	70	>10,000
1646CN11	38 46 53	112 0 23	7.00	5.00	7.00	3.00	200	N	N	100	>10,000
1647CN11	38 47 23	112 8 20	7.00	3.00	5.00	3.00	150	N	N	200	>10,000
1648CN11	38 45 5	112 13 56	7.00	7.00	10.00	2.000	300	N	N	300	5,000
1649CN11	38 45 7	112 13 58	1.00	10.00	10.00	>2.000	700	N	N	1,000	3,000
1650CN11	38 45 7	112 13 53	1.00	5.00	7.00	>2.000	700	N	N	1,000	10,000
1651CN11	38 47 9	112 11 58	1.00	1.50	5.00	>2.000	500	N	N	1,500	5,000
1652CN11	38 48 52	112 13 20	1.00	5.00	10.00	>2.000	300	N	N	300	10,000
1653CN14	38 44 33	112 6 52	1.50	2.00	5.00	2.000	1,500	N	N	50	>10,000
1654CN14	38 41 16	112 10 40	5.00	7.00	10.00	>2.000	2,000	N	N	100	700
1655CN14	38 42 46	112 11 4	1.00	2.00	5.00	1.000	700	N	N	20	>10,000
1656CN14	38 43 35	112 12 25	1.00	1.50	7.00	>2.000	1,500	N	N	<20	>10,000
1657CN14	38 43 42	112 14 20	7.00	5.00	10.00	>2.000	300	N	N	200	>10,000
1658CN14	38 44 30	112 14 15	2.00	1.00	5.00	>2.000	300	N	N	500	>10,000
1659CN14	38 42 40	112 8 45	7.00	3.00	10.00	2.000	1,000	N	N	N	>10,000
1660CN14	38 43 35	112 9 7	1.00	2.00	5.00	2.000	1,000	N	N	20	>10,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1594CV41	2.0	20	N	<10	100	10	700	10	700	N	500
1595CV41	20.0	N	N	N	70	<10	700	7	300	N	200
1596CV41	<2.0	N	N	100	100	700	50	7	N	150	300
1597CV41	7.0	20	N	<10	300	70	200	15	100	N	200
1601CV43	<2.0	N	N	N	700	15	300	N	70	30	100
1604CV43	<2.0	N	N	15	500	<10	50	N	<50	30	<20
1605CV43	<2.0	N	N	20	150	15	500	N	50	10	70
1606CV43	<2.0	N	N	N	50	15	200	N	<50	N	30
1611CV11	2.0	N	N	10	50	10	50	N	N	20	50
1612CV11	3.0	N	N	10	50	10	<20	N	N	10	20
1613CV12	<2.0	N	N	<10	70	<10	200	N	50	N	20
1614CV11	<2.0	N	N	10	30	10	100	N	<50	N	500
1615CV11	2.0	N	N	10	100	<10	100	N	100	20	300
1616CV11	<2.0	N	N	N	50	<10	N	N	70	N	700
1619CV11	2.0	N	N	50	30	<10	50	N	70	N	100
1620CV11	2.0	N	N	N	100	N	200	N	70	N	30
1621CV11	2.0	N	N	N	50	N	200	N	70	N	N
1622CV11	<2.0	N	N	N	50	N	200	N	70	N	N
1624CV11	3.0	N	N	20	200	15	150	N	100	50	70
1627CV11	<2.0	N	N	N	20	10	50	N	N	N	100
1629CV11	7.0	N	N	20	100	10	200	N	100	50	300
1632CV14	7.0	N	N	15	150	50	200	N	70	70	100
1633CV11	N	N	N	N	<20	N	N	N	N	N	30
1634CV11	N	N	N	N	<20	10	200	N	N	N	2,000
1635CV11	N	N	N	N	20	<10	N	N	N	N	500
1636CV11	<2.0	N	N	N	20	<10	700	N	<50	N	1,500
1637CV11	N	N	N	N	20	<10	200	N	N	N	700
1638CV11	N	N	N	N	<20	N	N	N	N	N	N
1639CV11	2.0	N	N	<10	100	<10	N	N	70	N	N
1640CV11	N	N	N	N	100	N	700	N	100	N	5,000
1642CV11	<2.0	N	N	N	100	150	N	N	N	N	N
1643CV11	N	N	N	N	N	N	300	N	N	N	N
1644CV11	<2.0	N	N	N	70	N	200	N	70	N	150
1645CV11	2.0	N	N	N	100	N	200	N	100	N	50
1646CV11	N	N	N	N	300	N	300	N	150	N	300
1647CV11	2.0	N	N	N	300	<10	150	N	150	N	N
1648CV11	2.0	N	N	N	70	N	70	N	100	N	50
1653CV14	N	N	N	10	700	150	700	N	100	150	150
1654CV14	<2.0	N	N	20	1,000	<10	500	N	100	100	150
1655CV14	2.0	N	N	10	300	<10	300	N	<50	20	100
1657CV14	N	N	N	N	500	N	700	N	200	50	300
1660CV14	N	N	N	N	70	N	2,000	15	100	N	150
1661CV14	3.0	N	N	N	100	<10	300	N	70	N	700
1662CV14	N	N	N	N	500	N	300	N	200	20	300
1663CV14	<2.0	N	N	10	300	N	700	N	150	30	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-S9	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1594CV41	N	150	200	100	N	500	N	>2,000	1,500
1595CV41	N	200	200	70	N	700	300	>2,000	500
1596CV41	N	N	200	50	N	70	N	1,000	N
1598CV41	N	N	1,000	500	N	150	N	>2,000	200
1599CV43	N	30	500	150	N	500	N	>2,000	N
1604CV43	N	N	1,500	100	N	70	N	>2,000	N
1605CV43	N	N	500	300	200	150	N	>2,000	N
1606CV43	N	N	1,000	200	N	100	N	>2,000	N
1611CV11	N	N	500	100	N	150	N	>2,000	N
1612CV11	N	N	N	100	N	100	N	1,500	N
1613CV12	N	N	700	70	N	200	N	>2,000	N
1614CV11	N	N	500	70	N	150	N	>2,000	N
1615CV11	N	N	200	150	N	300	N	>2,000	N
1618CV11	N	N	200	100	N	150	N	>2,000	N
1619CV11	N	N	700	50	N	300	N	>2,000	N
1620CV11	N	N	300	70	N	500	N	>2,000	N
1621CV11	N	N	300	70	N	500	N	>2,000	N
1622CV11	N	N	300	100	N	300	N	>2,000	N
1624CV11	N	N	700	200	N	300	N	>2,000	150
1627CV11	N	N	<200	50	N	100	N	>2,000	N
1629CV11	N	N	1,000	150	N	500	N	>2,000	150
1632CV14	N	N	700	300	N	200	N	>2,000	N
1633CV11	N	N	200	20	N	100	N	>2,000	N
1634CV11	N	N	3,000	20	N	70	N	>2,000	N
1635CV11	N	N	500	50	N	30	N	700	N
1636CV11	N	N	3,000	50	N	200	N	>2,000	500
1637CV11	N	N	5,000	30	N	70	N	>2,000	N
1638CV11	N	N	2,000	20	N	100	N	>2,000	N
1639CV11	N	N	700	50	N	300	N	>2,000	N
1647CV11	N	15	1,500	70	N	500	N	>2,000	200
1648CV11	N	N	1,000	20	N	200	N	>2,000	N
1649CV11	N	N	5,000	<20	N	70	N	>2,000	N
1644CV11	N	N	300	30	N	300	N	>2,000	N
1645CV11	N	N	300	100	N	500	300	>2,000	N
1646CV11	N	N	500	150	N	500	N	>2,000	200
1647CV11	N	N	300	70	N	700	N	>2,000	300
1648CV11	N	N	<200	70	N	500	300	>2,000	N
1653CV14	N	N	1,000	100	N	500	N	>2,000	300
1654CV14	N	30	700	200	N	500	N	>2,000	200
1655CV14	N	N	2,000	70	N	200	N	>2,000	150
1657CV14	N	30	1,000	200	N	1,500	N	>2,000	200
1658CV14	N	N	7,000	50	N	300	N	>2,000	1,000
1661CV14	N	N	2,000	70	N	500	N	>2,000	150
1662CV14	N	15	7,000	100	N	500	N	>2,000	N
1663CV14	N	15	1,500	70	N	700	N	>2,000	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MV	S-AG	S-AS	S-B	S-BA
1654CN14	38 44 24	112 0 17	1.00	.30	.30	.200	150	N	N	20	>10,000
1655CN14	38 40 48	112 12 3	5.00	7.00	7.00	.700	2,000	N	N	70	300
1657CN14	38 41 56	112 13 56	2.00	3.00	7.00	>2.000	1,000	N	N	100	700
1663CN14	38 34 3	112 7 41	7.00	1.00	7.00	>2.000	5,000	1.0	N	20	>10,000
1670CN14	38 36 55	112 0 47	2.00	1.00	7.00	>2.000	5,000	N	N	50	200
1671CN14	38 35 52	112 10 52	7.00	1.00	3.00	>2.000	7,000	N	N	50	300
1672CN14	38 33 28	112 11 4	1.50	1.50	5.00	>2.000	3,000	N	N	50	500
1673CN14	38 32 6	112 8 15	3.00	.50	10.00	>2.000	2,000	N	N	100	2,000
1674CN14	38 30 53	112 8 20	5.00	.70	10.00	>2.000	3,000	N	N	50	1,000
1675CN14	38 30 56	112 10 31	1.00	.20	10.00	>2.000	1,000	N	N	<20	10,000
1676CN14	38 31 11	112 11 52	.20	.10	7.00	2.000	700	N	N	100	5,000
1677CN14	38 30 20	112 14 3	.70	.30	7.00	>2.000	700	N	N	70	150
1678CN14	38 32 13	112 14 34	10.00	5.00	7.00	2.000	3,000	N	N	30	>10,000
1679CN14	38 32 18	112 12 44	2.00	.30	.20	>2.000	700	N	N	70	5,000
1680CN14	38 34 10	112 13 34	2.00	1.50	10.00	.300	2,000	N	N	<20	>10,000
1681CN14	38 35 55	112 13 10	2.00	5.00	10.00	1.500	1,500	N	N	20	500
1682CN14	38 34 48	112 14 52	5.00	15.00	10.00	.300	2,000	N	N	N	10,000
1683CN14	38 34 47	112 14 55	3.00	5.00	7.00	1.000	2,000	N	N	30	5,000
1684CN14	38 34 44	112 14 56	1.50	3.00	5.00	1.000	2,000	N	N	50	2,000
1685CN14	38 35 59	112 15 29	1.50	2.00	7.00	>2.000	1,500	N	N	200	5,000
1686CN14	38 36 18	112 16 53	3.00	7.00	10.00	>2.000	3,000	N	N	150	2,000
1687CN14	38 37 48	112 15 4	2.00	1.50	7.00	1.500	700	N	N	200	700
1688CN14	38 40 15	112 16 10	1.50	.70	3.00	.700	700	N	N	200	500
1690CN14	38 43 46	112 15 39	2.00	2.00	3.00	>2.000	700	N	N	1,000	>10,000
1691CN14	38 43 25	112 16 4	2.00	3.00	5.00	2.000	1,000	N	N	500	>10,000
1693CN14	38 43 21	112 18 18	2.00	.15	.70	>2.000	300	N	N	300	500
1694CN14	38 43 23	112 18 16	2.00	.30	1.00	>2.000	1,000	N	N	1,000	700
1695CN14	38 43 20	112 18 44	3.00	.30	1.00	>2.000	1,500	N	N	1,000	1,500
1696CN14	38 43 12	112 21 41	3.00	1.50	5.00	>2.000	1,500	N	N	50	3,000
1697CN14	38 42 55	112 20 40	3.00	.30	3.00	1.500	700	N	N	300	>10,000
1698CN14	38 41 31	112 19 22	2.00	5.00	10.00	2.000	1,500	N	N	50	10,000
1699CN14	38 42 21	112 17 23	2.00	3.00	10.00	2.000	1,000	N	N	200	>10,000
1702CN14	38 37 58	112 26 58	5.00	.70	3.00	>2.000	1,500	N	N	50	500
1703CN14	38 30 42	112 25 24	1.50	.70	3.00	>2.000	700	N	N	100	1,000
1705CN14	38 40 5	112 23 51	1.50	.30	3.00	1.500	700	N	N	20	1,500
1706CN14	38 40 7	112 23 54	7.00	1.00	5.00	>2.000	1,500	N	N	50	300
1707CN14	38 40 9	112 23 42	2.00	.50	5.00	1.500	700	N	N	20	3,000
1708CN14	38 30 38	112 23 38	1.50	1.00	3.00	>2.000	1,000	N	N	50	500
1709CN14	38 38 14	112 23 53	.70	.70	5.00	.700	500	N	N	50	500
1711CN14	38 40 12	112 26 40	2.00	5.00	5.00	.300	1,000	N	N	50	500
1713CN14	38 38 57	112 28 13	10.00	2.00	5.00	1.500	1,500	N	N	20	>10,000
1714CN14	38 41 21	112 27 25	2.00	3.00	3.00	>2.000	1,500	N	N	300	5,000
1715CN14	38 41 44	112 28 9	3.00	.70	3.00	>2.000	700	N	N	1,000	2,000
1717CN14	38 42 34	112 24 44	2.00	.20	3.00	>2.000	1,000	N	N	700	500
1718CN14	38 42 11	112 24 22	3.00	3.00	10.00	2.000	700	N	N	150	700

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-RE	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-N3	S-NI	S-PB
1646CV14	N	N	N	N	N	10	300	N	N	N	N
1656CV14	N	N	N	50	100	20	100	N	<50	50	N
1667CV14	<2.0	N	N	20	300	<10	500	N	70	20	N
1668CV14	3.0	N	N	50	100	100	1,000	20	70	N	150
1677CV14	3.0	N	N	10	700	20	700	10	200	70	N
1671CV14	7.0	N	N	N	500	10	1,000	20	150	20	500
1672CV14	3.0	N	N	N	500	10	1,500	15	150	20	300
1673CV14	5.0	N	N	10	20	30	1,000	15	100	N	150
1674CV14	3.0	N	N	10	100	30	1,000	15	100	N	150
1675CV14	2.0	N	N	N	100	15	1,500	N	500	N	200
1676CV14	<2.0	N	N	N	30	10	700	N	50	N	N
1677CV14	N	N	N	N	70	<10	700	N	70	N	50
1678CV14	<2.0	N	N	50	300	70	300	N	70	20	50
1679CV14	<2.0	N	N	<10	200	10	300	20	150	N	150
1687CV14	N	N	N	10	150	<10	700	N	N	N	N
1681CV14	N	15	N	20	1,500	<7	300	N	50	100	30,000
1682CV14	N	N	N	50	2,000	<10	700	N	N	150	500
1683CV14	N	N	N	20	1,000	<10	>2,000	10	70	70	200
1684CV14	<2.0	N	N	10	700	<10	2,000	N	100	N	20
1685CV14	2.0	N	N	N	1,000	<10	700	N	150	N	N
1696CV14	3.0	N	N	N	700	<10	700	10	300	20	20
1697CV14	<2.0	N	N	10	200	20	200	N	70	N	15,000
1698CV14	5.0	N	N	<10	20	<10	150	N	N	N	20
1699CV14	2.0	N	N	<10	70	10	200	N	70	N	1,000
1691CV14	<2.0	N	N	N	50	N	700	N	50	N	500
1692CV14	2.0	N	N	N	70	<10	70	N	70	N	20
1694CV14	3.0	N	N	N	100	10	150	N	100	N	70
1695CV14	<2.0	N	N	N	200	<10	150	10	150	N	150
1696CV14	<2.0	N	N	10	500	10	700	10	150	20	20
1697CV14	<2.0	N	N	10	30	15	1,000	N	<50	N	20
1698CV14	<2.0	N	N	15	1,000	<10	300	N	100	50	20
1699CV14	N	N	N	10	500	<10	700	N	100	70	70
1702CV14	2.0	N	N	30	150	30	200	N	100	N	200
1703CV14	2.0	N	N	<10	150	20	300	N	100	N	100
1705CV14	2.0	N	N	10	70	<10	200	N	70	N	50
1706CV14	<2.0	N	N	70	300	70	300	N	100	N	100
1707CV14	3.0	N	N	<10	30	10	300	N	70	N	20
1708CV14	<2.0	N	N	N	200	15	300	N	100	N	N
1709CV14	<2.0	N	N	<10	150	N	700	N	50	N	70
1711CV14	<2.0	N	N	15	1,000	<10	70	N	N	100	N
1713CV14	2.0	N	N	70	1,000	100	200	N	<50	50	200
1714CV14	N	N	N	15	1,000	N	>2,000	N	150	70	150
1715CV14	<2.0	N	N	N	100	15	300	N	150	N	300
1717CV14	<2.0	N	N	N	150	N	1,500	N	200	N	50
1718CV14	<2.0	N	N	10	700	<10	300	N	70	50	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1664CN14	N	N	>10,000	<20	N	70		2,000	N
1666CN14	N	N	500	300	N	150		2,000	N
1667CN14	N	N	700	300	N	200		>2,000	200
1668CN14	N	N	10,000	300	N	150		1,000	N
1671CN14	N	300	700	100	N	700		>2,000	700
1671CN14	N	200	200	150	N	300	1,500	>2,000	1,500
1672CN14	N	70	500	100	N	700	500	>2,000	700
1673CN14	N	N	500	150	N	300	N	>2,000	150
1674CN14	N	>2,000	700	150	N	300	N	>2,000	N
1675CN14	N	50	700	150	N	700	N	>2,000	700
1676CN14	N	500	500	50	N	500		>2,000	700
1677CN14	N	N	500	100	N	300	700	>2,000	500
1678CN14	N	N	1,000	500	N	200	500	>2,000	N
1679CN14	N	N	1,500	300	N	30	N	1,500	N
1680CN14	N	N	5,000	1,000	N	200	N	2,000	N
1681CN14	N	N	300	100	N	300		>2,000	500
1682CN14	N	N	300	150	N	300		>2,000	N
1683CN14	N	N	1,000	500	N	200		>2,000	N
1684CN14	N	N	700	5,000	N	300		>2,000	1,500
1685CN14	N	300	1,500	1,000	N	300		>2,000	N
1686CN14	N	N	200	150	N	700		>2,000	1,000
1687CN14	N	N	1,000	100	N	200		>2,000	N
1689CN14	N	N	1,500	70	N	50		>2,000	N
1690CN14	N	N	700	100	N	300	300	>2,000	N
1691CN14	N	N	1,000	70	N	300		>2,000	N
1692CN14	N	N	100	100	N	500		>2,000	N
1694CN14	N	N	500	200	N	700	500	>2,000	150
1695CN14	N	N	500	150	N	700		>2,000	150
1696CN14	N	N	700	200	N	500		>2,000	N
1697CN14	N	N	2,000	50	N	300		>2,000	N
1698CN14	N	N	700	150	N	500		>2,000	N
1699CN14	N	N	1,000	150	N	500		>2,000	150
1700CN14	N	N	700	150	N	200	300	>2,000	150
1701CN14	N	N	500	150	N	200	N	>2,000	150
1702CN14	N	N	1,500	150	N	200	N	>2,000	N
1703CN14	N	N	500	200	N	300		>2,000	N
1704CN14	N	N	700	150	N	500		>2,000	N
1705CN14	N	N	1,000	200	N	300		>2,000	150
1706CN14	N	N	500	200	N	300		>2,000	N
1707CN14	N	N	2,000	100	N	150		>2,000	N
1708CN14	N	N	500	100	N	500		>2,000	N
1709CN14	N	N	700	50	N	200	500	>2,000	200
1710CN14	N	N	1,500	150	N	150	N	>2,000	500
1711CN14	N	N	1,000	300	N	100		>2,000	N
1712CN14	N	N	300	70	N	500		>2,000	1,500
1713CN14	N	N	700	200	N	500		>2,000	150
1714CN14	N	N	1,000	150	N	1,000		>2,000	500
1715CN14	N	N	700	150	N	200		>2,000	N
1716CN14	N	N	1,000	150	N	1,000		>2,000	500
1717CN14	N	N	700	150	N	200		>2,000	N
1718CN14	N	N	1,000	150	N	100		>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

		LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-B	S-RA
1713CN14	38 42 46	112 23 6	2.00	.70	3.00	>2.000	1.000	N	N	N	100	5,000
1720CN14	38 35 45	112 28 38	1.00	.50	3.00	1.500	500	N	N	N	70	300
1721CN14	38 36 10	112 26 39	1.50	2.00	3.00	1.500	1,000	N	N	N	100	3,000
1722CN14	38 35 21	112 27 22	1.00	.50	10.00	1.000	1,000	N	N	N	50	300
1723CN14	38 32 37	112 28 19	5.00	1.00	2.00	>2.000	5,000	N	N	N	100	1,500
1724CN14	38 32 48	112 26 54	2.00	2.00	5.00	>2.000	5,000	N	N	N	300	300
1725CN14	38 32 19	112 26 44	2.00	.50	3.00	>2.000	7,000	N	N	N	200	200
1726CN14	38 34 29	112 25 16	5.00	7.00	7.00	.500	3,000	N	N	N	20	300
1727CN14	38 34 47	112 19 45	15.00	1.50	3.00	>2.000	10,000	N	N	N	30	300
1728CN14	38 34 9	112 19 53	5.00	7.00	7.00	>2.000	7,000	N	N	N	150	1,000
1730CN14	38 32 53	112 22 16	2.00	1.50	5.00	>2.000	3,000	N	N	N	500	300
1731CN14	38 33 46	112 22 1	2.00	1.50	15.00	2.000	1,500	N	N	N	150	2,000
1732CN14	38 33 35	112 23 55	1.50	3.00	5.00	2.000	1,000	N	N	N	150	1,000
1733CN14	38 33 38	112 23 46	2.00	2.00	5.00	1.500	2,000	N	N	N	50	2,000
1734CN14	38 33 40	112 23 45	1.50	1.50	3.00	2.000	1,000	N	N	N	100	700
1735CN14	38 33 12	112 25 41	2.00	.70	3.00	>2.000	3,000	N	N	N	500	500
1737CN14	38 32 37	112 24 39	1.50	1.00	5.00	>2.000	5,000	N	N	N	300	300
1738CN14	38 32 38	112 23 25	5.00	2.00	5.00	>2.000	5,000	N	N	N	200	2,000
1739CN14	38 30 58	112 25 15	10.00	.70	3.00	>2.000	10,000	N	N	N	50	300
1740CN14	38 31 50	112 23 26	1.00	.30	5.00	>2.000	2,000	N	N	N	150	200
1741CN14	38 30 58	112 23 44	10.00	.70	3.00	>2.000	2,000	N	N	N	70	1,000
1742CN14	38 33 53	112 17 49	3.00	1.50	3.00	1.500	2,000	N	N	N	150	700
1743CN14	38 30 48	112 19 22	3.00	7.00	10.00	>2.000	3,000	N	N	N	150	2,000
1744CN41	38 21 31	112 14 14	3.00	.70	5.00	2.000	1,000	N	N	N	70	>10,000
1745CN41	38 19 38	112 13 39	5.00	1.00	3.00	1.500	1,500	N	N	N	20	>10,000
1746CN41	38 19 39	112 13 45	5.00	1.50	7.00	1,000	1,500	N	N	N	50	>10,000
1747CN41	38 19 9	112 13 24	2.00	1.50	3.00	1,000	1,000	N	N	N	100	>10,000
1748CN41	38 18 14	112 14 16	5.00	5.00	10.00	1,000	1,500	N	N	N	30	500
1750CN41	38 20 25	112 9 49	3.00	5.00	7.00	1,000	1,500	N	N	N	<20	200
1752CN41	38 18 10	112 9 50	5.00	10.00	10.00	1,500	1,500	N	N	N	150	300
1753CN41	38 16 20	112 7 39	2.00	.70	5.00	1,000	1,000	N	N	N	100	500
1754CN41	38 18 20	112 8 43	5.00	5.00	5.00	1,000	1,000	N	N	N	150	700
1755CN41	38 29 30	112 27 16	10.00	3.00	5.00	2,000	10,000	N	N	N	30	500
1756CN41	38 28 29	112 27 21	5.00	.50	1.00	>2.000	10,000	N	N	N	150	700
1757CN41	38 28 0	112 27 1	7.00	1.00	2.00	2,000	7,000	N	N	N	70	500
1758CN41	38 28 0	112 27 7	5.00	1.00	1.50	2,000	2,000	N	N	N	200	500
1759CN41	38 29 20	112 26 26	15.00	3.00	7.00	>2.000	1,500	N	N	N	30	700
1761CN14	38 33 47	112 16 26	7.00	3.00	5.00	.500	3,000	N	N	N	20	>10,000
1762CN14	38 32 11	112 16 10	5.00	2.00	5.00	1,000	3,000	N	N	N	20	>10,000
1764CN14	38 32 4	112 16 22	5.00	.30	2.00	.500	1,000	N	N	N	<20	>10,000
1765CN14	38 31 3	112 15 58	7.00	.30	.70	2,000	300	N	N	N	150	>10,000
1765CN44	38 14 18	112 14 13	3.00	3.00	5.00	1,000	1,000	N	N	N	200	500
1767CN44	38 12 52	112 13 23	3.00	2.00	7.00	1,000	1,000	N	N	N	50	500
1769CN44	38 12 26	112 11 32	3.00	10.00	10.00	1,000	2,000	N	N	N	70	300
1771CN41	38 15 19	112 10 15	5.00	5.00	15.00	.700	3,000	N	N	N	20	500

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-RT	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PA
1713CN14	<2.0	N	N	10	200	<10	500	10	150	N	300
1720CN14	<2.0	N	N	<10	70	<10	200	N	50	N	N
1721CN14	2.0	N	N	15	100	10	150	N	70	N	N
1722CN14	<2.0	N	N	N	50	<10	1,000	N	70	N	N
1723CN14	7.0	100	N	N	150	10	500	15	500	N	70
1724CN14	5.0	2,000	N	10	200	<10	1,000	10	500	N	50
1725CN14	15.0	N	N	N	70	N	1,000	7	500	N	100
1726CN14	<2.0	N	N	20	1,000	15	100	N	N	100	N
1727CN14	5.0	N	N	15	500	20	500	10	300	30	5,000
1728CN14	2.0	N	N	20	1,000	<10	500	10	200	70	70
1730CN14	3.0	N	N	10	500	10	700	15	300	N	100
1731CN14	5.0	N	N	<10	200	10	700	N	150	N	20
1732CN14	2.0	N	N	15	700	<10	300	N	100	100	200
1733CN14	2.0	N	N	20	300	<10	300	N	100	20	<20
1734CN14	3.0	N	N	<10	200	<10	300	N	150	N	N
1735CN14	5.0	N	N	N	150	<10	700	N	200	N	30
1737CN14	10.0	N	N	15	200	<10	1,000	7	500	N	50
1738CN14	5.0	N	N	15	300	10	500	15	300	20	100
1739CN14	15.0	15	N	N	150	<10	700	15	300	N	500
1740CN14	10.0	N	N	N	100	N	1,500	N	200	N	150
1741CN14	10.0	N	N	15	150	100	1,000	7	150	N	500
1742CN14	3.0	N	N	10	200	10	300	N	100	N	70
1743CN14	2.0	N	N	N	1,000	10	1,000	10	200	70	100
1744CN14	3.0	N	N	15	100	50	500	10	50	20	100
1745CN14	2.0	N	N	20	150	30	300	N	N	50	50
1746CN14	2.0	N	N	10	200	30	500	10	<50	30	50
1747CN14	<2.0	N	N	10	300	15	300	N	<50	70	20
1749CN14	<2.0	N	N	20	1,000	15	300	N	<50	200	20
1750CN14	<2.0	20	N	20	1,500	<10	300	N	70	150	N
1752CN14	N	N	N	20	5,000	10	200	N	50	200	500
1753CN14	2.0	N	N	15	1,500	<10	150	N	50	100	N
1754CN14	<2.0	N	N	10	1,500	10	200	N	50	50	20
1755CN14	10.0	N	N	20	1,000	30	500	20	500	100	500
1756CN14	15.0	N	N	N	30	N	1,500	N	200	N	300
1757CN14	15.0	N	N	N	300	15	700	N	200	N	1,000
1758CN14	10.0	N	N	10	100	10	300	15	200	N	70
1759CN14	7.0	N	N	20	1,500	100	700	20	70	50	300
1761CN14	<2.0	N	N	20	500	30	300	N	<50	50	50
1762CN14	2.0	N	N	20	100	70	200	N	<50	N	50
1764CN14	2.0	N	N	10	20	50	200	N	N	N	70
1765CN14	<2.0	N	N	15	70	150	50	7	50	N	70
1766CN14	<2.0	N	N	20	700	15	70	N	50	70	N
1767CN14	<2.0	N	N	15	1,000	10	300	N	N	50	20
1769CN14	N	N	N	30	1,000	<10	500	N	<50	100	30
1771CN14	<2.0	N	N	20	500	10	700	N	<50	50	<20

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-V	S-W	S-Y	S-ZR	S-TH
1710CN14	N	N	1,000	150	N	300	>2,000	N
1720CN14	N	N	700	50	N	200	>2,000	200
1721CN14	N	N	700	70	N	200	>2,000	150
1722CN14	N	N	1,000	70	N	300	>2,000	N
1723CN14	N	1,500	200	150	N	1,500	>2,000	500
1724CN14	N	300	300	150	N	700	>2,000	300
1725CN14	N	1,000	200	100	N	2,000	>2,000	1,000
1726CN14	N	N	500	200	N	100	>2,000	N
1727CN14	N	70	200	150	N	500	>2,000	300
1728CN14	N	20	200	200	N	500	>2,000	N
1730CN14	N	150	300	150	N	700	>2,000	700
1731CN14	N	15	700	100	N	500	>2,000	150
1732CN14	N	N	700	70	N	300	>2,000	150
1733CN14	N	N	1,000	100	N	300	>2,000	N
1734CN14	N	N	700	70	N	300	>2,000	500
1735CN14	N	200	300	150	N	500	>2,000	700
1737CN14	N	300	200	150	N	700	>2,000	700
1738CN14	N	70	300	200	N	500	>2,000	700
1739CN14	N	2,000	N	200	N	1,000	>2,000	1,500
1740CN14	N	300	<200	100	N	1,000	>2,000	1,000
1741CN14	N	20	500	200	N	300	>2,000	150
1742CN14	N	N	1,000	300	N	300	>2,000	300
1743CN14	N	70	500	200	N	1,500	>2,000	300
1744CN14	N	N	1,000	200	N	150	>2,000	N
1745CN14	N	N	1,500	200	N	150	>2,000	N
1746CN14	N	N	2,000	200	N	200	>2,000	N
1747CN14	N	N	1,000	150	N	200	>2,000	N
1749CN14	N	N	1,000	200	N	200	>2,000	N
1750CN14	N	200	300	200	N	300	>2,000	700
1752CN14	N	N	500	300	N	150	>2,000	N
1753CN14	N	N	500	150	N	150	>2,000	N
1754CN14	N	N	1,000	100	N	200	>2,000	N
1755CN14	N	N	300	300	N	300	>2,000	200
1756CN14	N	300	N	70	N	1,000	>2,000	1,500
1757CN14	N	70	200	150	N	500	>2,000	300
1758CN14	N	N	300	100	N	300	>2,000	700
1760CN14	N	N	700	500	N	200	>2,000	N
1761CN14	N	N	1,500	300	N	100	>2,000	N
1762CN14	N	N	1,500	300	N	70	>2,000	N
1764CN14	N	N	7,000	100	N	70	>2,000	N
1765CN14	N	N	>10,000	200	N	30	>2,000	N
1766CN14	N	N	700	150	N	150	>2,000	N
1767CN14	N	20	1,000	150	N	150	>2,000	N
1768CN14	N	N	700	200	N	150	>2,000	150
1771CN14	N	N	700	300	N	200	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MV	S-AG	S-AS	S-B	S-BA
1772CV41	38 16 41	112 11 18	3.00	3.00	7.00	.700	1.000	N	N	70	2,000
1773CV41	38 17 45	112 11 38	5.00	5.00	10.00	.500	2.000	N	N	20	700
1774CV44	38 13 2	112 8 0	5.00	1.50	5.00	1.500	1.500	N	N	50	500
1775CV44	38 13 20	112 9 8	5.00	7.00	10.00	1.500	1.500	N	N	200	700
1776CV41	38 21 1	112 6 23	5.00	1.50	5.00	.700	1.000	N	N	100	1,500
1777CV41	38 22 25	112 6 54	7.00	15.00	15.00	.300	2.000	N	N	<20	300
1778CV41	38 22 35	112 6 48	2.00	5.00	10.00	1.000	7.00	N	N	20	3,000
1779CV44	38 23 6	112 3 45	3.00	7.00	10.00	1.500	2.000	N	N	50	300
1780CV41	38 23 58	112 3 6	2.00	5.00	10.00	1.500	1.500	N	N	50	700
1781CV41	38 24 33	112 2 18	3.00	5.00	5.00	1.000	1.500	N	N	70	7,000
1783CV41	38 25 2	112 2 38	2.00	3.00	3.00	>2.000	1.000	N	N	150	1,500
1784CV41	38 24 27	112 0 30	3.00	5.00	7.00	.500	1.500	N	N	70	500
1785CV41	38 24 24	112 0 42	5.00	10.00	10.00	.500	1.500	N	N	<20	100
1786CV41	38 24 28	112 0 35	2.00	2.00	5.00	.300	1.000	N	N	20	500
1789CV41	38 20 21	112 0 9	1.50	2.00	3.00	2.000	1.000	N	N	50	200
1790CV41	38 27 40	112 3 48	2.00	2.00	10.00	1.000	1.000	N	N	20	300
1792CV41	38 20 19	112 4 22	5.00	7.00	10.00	1.500	1.500	N	N	20	1,500
1801CV43	38 13 20	112 32 18	1.50	1.50	3.00	2.000	7.00	N	N	200	500
1803CV43	38 14 5	112 33 43	3.00	5.00	10.00	1.000	1.000	N	N	70	500
1804CV43	38 7 46	112 34 56	2.00	2.00	3.00	2.000	5.00	N	N	200	700
1805CV43	38 8 34	112 35 48	2.00	5.00	5.00	2.000	1.500	N	N	200	150
1806CV43	38 8 40	112 35 1	3.00	10.00	10.00	2.000	2.000	N	N	50	150
1808CV43	38 11 32	112 34 46	1.00	1.00	3.00	>2.000	1.000	N	N	200	500
1809CV43	38 8 24	112 31 34	1.00	.70	2.00	2.000	7.00	N	N	300	500
1810CV43	38 8 34	112 31 23	1.00	.50	2.00	>2.000	5.00	N	N	300	300
1812CV43	38 6 9	112 30 43	2.00	3.00	5.00	1.500	1.000	N	N	20	500
1813CV43	38 5 55	112 30 18	3.00	5.00	5.00	1.000	1.000	N	N	50	2,000
1814CV44	38 5 20	112 29 12	5.00	5.00	5.00	>2.000	2.000	N	N	30	1,500
1815CV43	38 6 40	112 32 19	2.00	3.00	5.00	1.500	1.000	N	N	50	200
1817CV43	38 9 23	112 30 51	1.50	1.00	3.00	2.000	7.00	N	N	200	700
1818CV44	38 10 33	112 29 26	3.00	7.00	10.00	.700	1.500	N	N	50	1,500
1819CV44	38 10 8	112 29 2	1.00	1.00	3.00	1.000	5.00	N	N	50	2,000
1820CV43	38 8 33	112 31 20	1.50	.50	2.00	2.000	7.00	N	N	200	700
1822CV43	38 4 9	112 38 17	1.50	1.50	10.00	.700	5.000	N	N	150	3,000
1823CV43	38 4 0	112 36 27	2.00	5.00	5.00	1.500	1.500	N	N	300	200
1824CV43	38 4 3	112 36 26	5.00	10.00	10.00	1.500	1.500	N	N	200	500
1825CV43	38 4 7	112 36 30	2.00	3.00	5.00	2.000	1.000	N	N	200	300
1826CV43	38 2 54	112 35 52	1.00	1.00	3.00	>2.000	7.00	N	N	1,000	1,500
1827CV43	38 0 47	112 37 53	1.50	.50	3.00	1.000	3.00	N	N	200	500
1829CV43	38 5 38	112 33 49	2.00	5.00	5.00	1.000	1.000	N	N	100	500
1830CV43	38 5 45	112 33 25	1.00	.50	3.00	2.000	5.00	N	N	200	700
1831CV43	38 4 40	112 33 20	1.00	.50	3.00	.500	3.00	N	N	50	500
1832CV44	38 8 11	112 28 40	2.00	1.50	3.00	1.000	7.00	N	N	100	1,000
1834CV44	38 6 40	112 26 39	1.00	1.00	3.00	2.000	5.00	N	N	100	2,000
1835CV44	38 4 12	112 29 7	1.50	1.50	3.00	>2.000	1.000	N	N	200	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-QF	S-RT	S-CD	S-CH	S-CR	S-CU	S-LA	S-WO	S-NB	S-VI	S-PB
1772CN41	2.0	N	N	10	700	15	200	N	<50	70	20
1773CN41	N	N	N	20	700	30	150	N	N	100	N
1774CN44	<2.0	N	N	10	300	10	300	N	<50	30	30
1775CN44	<2.0	N	N	10	500	<10	500	N	<50	N	100
1776CN41	5.0	N	N	10	300	30	300	N	<50	20	50
1777CN41	N	N	N	70	5,000	20	200	N	N	200	N
1778CN41	<2.0	N	N	10	200	<10	300	N	50	N	200
1779CN44	N	N	N	20	500	<10	200	N	<50	50	20
1780CN41	<2.0	N	N	15	1,000	15	300	N	50	150	30
1781CN41	2.0	N	N	15	500	15	200	N	<50	50	2,000
1783CN41	2.0	N	N	15	1,000	30	200	N	<50	30	50
1784CN41	<2.0	N	N	20	1,500	20	50	N	N	150	N
1785CN41	N	N	N	30	2,000	15	50	N	N	200	N
1786CN41	<2.0	N	N	15	1,000	10	N	N	N	70	N
1787CN41	<2.0	N	N	10	200	<10	300	N	100	20	N
1790CN41	2.0	N	N	10	500	20	700	N	<50	100	20
1792CN41	<2.0	N	N	50	2,000	30	300	N	N	100	20
1801CN43	<2.0	N	N	<10	500	<10	100	N	70	30	N
1803CN43	<2.0	N	N	15	1,000	10	150	N	<50	200	N
1804CN43	<2.0	N	N	10	300	<10	200	N	70	20	<20
1805CN43	2.0	N	N	15	700	<10	200	N	70	70	N
1806CN43	N	N	N	30	700	<10	300	N	70	100	N
1808CN43	<2.0	N	N	N	300	N	700	N	150	N	N
1809CN43	2.0	N	N	<10	70	<10	200	N	100	N	N
1810CN43	<2.0	N	N	N	50	N	300	N	150	N	70
1812CN43	<2.0	N	N	15	500	<10	200	N	100	50	N
1813CN43	<2.0	N	N	20	700	<10	150	N	50	100	N
1814CN44	N	N	N	50	300	<10	300	N	100	30	N
1815CN43	N	N	N	10	1,000	<10	300	N	70	50	N
1817CN43	N	N	N	<10	150	<10	150	N	70	N	N
1818CN44	<2.0	N	N	20	1,500	20	300	N	N	70	20
1819CN44	<2.0	N	N	N	150	<10	150	N	50	N	300
1820CN43	2.0	N	N	N	50	10	200	N	70	N	N
1821CN43	2.0	N	N	10	100	10	200	N	<50	N	N
1822CN43	<2.0	N	N	20	700	<10	150	N	50	20	N
1824CN43	N	N	N	50	1,500	20	300	N	70	50	100
1825CN43	<2.0	N	N	10	500	10	150	N	50	20	N
1826CN43	N	N	N	N	300	N	300	N	150	N	N
1827CN43	<2.0	N	N	N	50	<10	100	N	<50	N	3,000
1828CN43	N	N	N	15	700	<10	70	N	50	50	20
1830CN43	2.0	N	N	N	70	<10	200	N	100	N	20
1831CN43	<2.0	N	N	N	300	10	100	N	<50	N	N
1832CN44	<2.0	N	N	10	300	N	100	N	50	N	20
1834CN44	2.0	N	N	N	50	<10	150	N	100	N	N
1835CN44	<2.0	N	N	<10	300	N	700	N	200	N	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1772CN41	N	N	1,500	150	N	100	N	>2,000	150
1773CN41	N	N	700	200	N	100	N	1,500	N
1774CN44	N	N	1,000	200	N	100	N	2,000	N
1775CN44	N	N	1,500	200	N	300	N	>2,000	N
1776CN41	N	N	1,000	300	N	200	N	>2,000	N
1777CN41	N	N	700	500	N	70	N	700	N
1778CN41	N	N	700	500	N	150	N	>2,000	N
1779CN44	N	N	500	300	N	150	N	2,000	N
1780CN41	N	N	700	150	N	200	N	>2,000	N
1781CN41	N	N	1,000	150	N	200	N	>2,000	N
1783CN41	N	N	1,500	1,000	N	70	N	1,500	N
1784CN41	N	N	700	100	N	100	N	>2,000	N
1785CN41	N	N	200	200	N	50	N	1,000	N
1786CN41	N	N	1,500	100	N	50	N	1,500	N
1787CN41	N	N	200	50	N	300	N	>2,000	300
1790CN41	N	N	1,000	200	N	300	N	>2,000	200
1792CN41	N	N	1,000	300	N	200	N	1,500	N
1801CN43	N	N	700	70	N	200	N	>2,000	N
1803CN43	N	N	1,500	150	N	150	N	>2,000	N
1804CN43	N	N	1,000	100	N	200	N	>2,000	N
1805CN43	N	N	200	100	N	300	N	>2,000	150
1806CN43	N	N	300	150	N	300	N	>2,000	N
1808CN43	N	N	500	100	N	500	N	>2,000	150
1809CN43	N	N	700	70	N	300	N	>2,000	150
1810CN43	N	N	500	70	N	500	N	>2,000	500
1812CN43	N	N	1,000	150	N	200	N	>2,000	N
1813CN43	N	N	1,000	150	N	200	N	>2,000	N
1814CN44	N	N	500	150	N	700	N	>2,000	200
1815CN43	N	N	700	100	N	300	N	>2,000	N
1817CN43	N	N	1,000	100	N	200	N	>2,000	150
1818CN44	N	N	2,000	200	N	150	N	>2,000	N
1819CN44	N	N	1,500	70	N	150	N	>2,000	N
1820CN43	N	N	500	70	N	150	N	>2,000	200
1822CN43	N	N	700	70	N	200	N	>2,000	N
1823CN43	N	N	500	200	N	150	N	>2,000	N
1824CN43	N	N	700	300	N	300	N	>2,000	N
1825CN43	N	N	1,000	150	N	200	N	>2,000	500
1826CN43	N	N	500	100	N	500	N	>2,000	200
1827CN43	N	N	1,000	70	N	150	N	>2,000	N
1829CN43	N	N	700	100	N	150	N	>2,000	N
1830CN43	N	N	700	100	N	200	N	>2,000	N
1831CN43	N	N	1,000	20	N	70	N	>2,000	N
1832CN44	N	N	1,000	100	N	100	N	>2,000	N
1834CN44	N	N	1,000	70	N	150	N	>2,000	150
1835CN44	N	N	700	100	N	500	N	>2,000	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FFZ	S-MGZ	S-CAZ	S-TIZ	S-MV	S-AG	S-AS	S-R	S-BA
1835CN44	38 4 3	112 29 25	1.50	2.00	7.00	1.500	1.500	N	N	150	500
1836CN44	38 2 26	112 29 17	2.00	3.00	2.00	>2.000	1.000	N	N	150	200
1837CN44	38 3 32	112 26 37	1.00	1.00	3.00	>2.000	700	N	N	500	500
1840CN44	38 2 54	112 26 43	1.50	1.00	3.00	>2.000	700	N	N	150	1,000
1841CN44	38 2 11	112 26 15	1.50	5.00	5.00	>2.000	1,000	N	N	700	300
1842CN44	38 2 17	112 26 24	.70	.70	3.00	>2.000	700	N	N	500	500
1843CN44	38 0 24	112 23 50	1.00	1.00	3.00	>2.000	500	N	N	150	500
1844CN44	38 6 30	112 23 22	2.00	1.50	5.00	1.500	1,000	N	N	150	700
1845CN44	38 7 23	112 23 44	1.00	1.00	5.00	>2.000	1,000	N	N	200	500
1846CN44	38 5 17	112 23 10	2.00	.70	7.00	1.500	700	N	N	150	700
1847CN44	38 5 38	112 22 54	5.00	7.00	7.00	2.000	2,000	N	N	200	300
1848CN44	38 2 37	112 23 13	1.50	2.00	3.00	1.500	500	N	N	100	300
1849CN43	38 3 50	112 33 10	2.00	3.00	10.00	>2.000	2,000	N	N	150	300
1851CN43	38 0 28	112 34 34	3.00	5.00	15.00	>2.000	3,000	N	N	100	500
1852CN43	38 3 56	112 31 8	1.50	1.00	3.00	2.000	700	N	N	500	500
1854CN43	38 2 11	112 32 49	3.00	5.00	15.00	.700	1,000	N	N	700	200
1855CN44	38 13 0	112 29 22	3.00	3.00	5.00	1.500	1,500	N	N	150	300
1856CN44	38 13 30	112 29 48	5.00	7.00	10.00	1.500	2,000	N	N	200	200
1857CN44	38 13 33	112 25 53	7.00	10.00	7.00	>2.000	1,500	N	N	30	5,000
1858CN44	38 13 23	112 26 10	7.00	.70	1.50	>2.000	500	N	N	20	>10,000
1860CN44	38 13 20	112 26 14	7.00	2.00	2.00	>2.000	700	N	N	20	>10,000
1861CN44	38 13 23	112 26 5	3.00	3.00	3.00	>2.000	700	N	N	100	1,500
1862CN44	38 12 17	112 25 41	7.00	10.00	10.00	1.500	2,000	N	N	70	150
1863CN44	38 12 14	112 25 44	15.00	10.00	10.00	>2.000	2,000	N	N	50	300
1864CN44	38 13 24	112 23 46	5.00	15.00	15.00	.300	2,000	N	N	<20	70
1865CN44	38 14 0	112 23 8	5.00	15.00	15.00	1.000	2,000	N	N	20	100
1867CN13	38 30 24	112 35 16	3.00	3.00	10.00	1.000	1,500	N	N	150	1,000
1868CN13	38 30 20	112 35 3	3.00	5.00	10.00	1.500	2,000	N	N	70	700
1869CN13	38 30 12	112 34 58	3.00	5.00	7.00	>2.000	2,000	N	N	100	300
1870CN13	38 30 14	112 34 21	1.50	.30	5.00	>2.000	1,500	N	N	20	200
1871CN13	38 30 10	112 34 23	2.00	1.00	3.00	>2.000	1,000	N	N	300	700
1872CN13	38 30 11	112 34 1	2.00	.30	10.00	>2.000	1,000	N	N	30	300
1873CN13	38 30 7	112 34 3	2.00	.30	5.00	>2.000	1,000	N	N	70	500
1874CN13	38 30 7	112 33 48	2.00	.50	5.00	>2.000	1,500	N	N	100	1,000
1875CN42	38 27 0	112 34 27	3.00	.50	1.50	2.000	700	N	N	70	>10,000
1879CN12	38 47 40	112 43 49	1.00	.20	3.00	>2.000	500	N	N	150	2,000
1880CN12	38 46 37	112 44 46	1.00	1.00	5.00	>2.000	1,000	N	N	500	200
1881CN12	38 45 5	112 42 58	2.00	1.50	5.00	2.000	1,000	N	N	300	700
1882CN12	38 45 40	112 40 7	1.00	1.00	5.00	>2.000	1,000	N	N	200	200
1883CN12	38 51 44	112 35 37	1.50	1.50	5.00	>2.000	700	N	N	200	500
1884CN12	38 52 0	112 37 10	.70	1.50	5.00	>2.000	1,000	N	N	500	700
1885CN12	38 50 45	112 37 0	2.00	2.00	5.00	>2.000	1,000	N	N	300	1,000
1888CN43	38 51 50	112 30 26	1.50	5.00	10.00	>2.000	700	N	N	20	300
1893CN12	38 56 12	112 31 23	2.00	3.00	5.00	>2.000	1,000	N	N	500	300
1897CN12	38 54 3	112 38 14	1.50	3.00	3.00	>2.000	1,000	N	N	500	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-RF	S-RI	S-CD	S-CO	S-CP	S-CU	S-LA	S-WO	S-NB	S-NI	S-PB
1836CN44	N	N	N	10	300	<7	300	N	50	20	150
1838CN44	<2.0	N	N	10	1,000	N	200	N	150	30	N
1839CN44	N	N	N	<10	300	<7	500	N	100	N	N
1847CN44	<2.0	N	N	<10	30	N	200	N	150	N	N
1841CN44	<2.0	N	N	15	1,000	15	500	N	150	50	20
1842CN44	N	N	N	N	200	N	500	N	150	N	50
1843CN44	<2.0	N	N	<10	150	<10	200	N	100	N	20
1844CN44	<2.0	N	N	10	100	15	150	N	50	N	N
1845CN44	<2.0	N	N	<10	100	N	500	N	100	N	N
1846CN44	<2.0	N	N	<10	50	10	500	N	70	N	50
1847CN44	<2.0	N	N	20	700	<10	200	N	70	50	30
1848CN44	N	N	N	<10	500	N	200	N	70	20	N
1849CN43	<2.0	N	N	10	500	10	500	N	70	20	<20
1851CN43	<2.0	N	N	30	1,000	<10	500	N	150	50	20
1852CN43	<2.0	N	N	<10	200	N	300	N	70	N	N
1854CN43	<2.0	N	N	<10	70	<10	N	N	<50	N	N
1855CN44	<2.0	N	N	20	1,000	<10	150	N	50	200	20
1856CN44	N	N	N	30	1,500	<10	70	N	50	150	N
1858CN44	N	N	N	50	1,500	30	50	10	70	150	300
1859CN44	<2.0	N	N	50	500	50	70	10	70	50	50
1867CN44	<2.0	N	N	30	700	30	50	10	50	100	30
1861CN44	<2.0	N	N	20	1,000	20	50	15	70	50	50
1862CN44	<2.0	N	N	50	2,000	10	50	N	<50	150	20
1863CN44	<2.0	20	N	100	1,000	100	50	20	70	150	100
1864CN44	N	N	N	70	2,000	10	N	N	N	200	N
1865CN44	N	N	N	50	1,500	10	N	N	N	150	N
1867CN13	<2.0	N	N	15	1,000	20	500	N	50	150	20
1868CN13	<2.0	N	N	20	700	50	500	N	50	100	20
1869CN13	<2.0	N	N	20	1,000	10	500	N	200	150	N
1870CN13	3.0	N	N	10	50	<10	1,500	10	100	N	N
1871CN13	<2.0	N	N	10	50	10	300	N	100	N	N
1872CN13	<2.0	N	N	N	70	<10	1,000	10	200	N	100
1873CN13	<2.0	N	N	<10	30	10	500	N	70	N	50
1874CN13	<2.0	N	N	10	70	15	1,000	10	200	N	20
1875CN42	<2.0	N	N	20	50	20	150	N	50	N	<20
1879CN12	5.0	N	N	N	20	<10	1,500	N	150	N	N
1880CN12	N	N	N	N	100	10	1,500	N	200	N	N
1881CN12	3.0	N	N	<10	70	10	300	N	100	N	20
1882CN12	<2.0	N	N	N	100	15	700	30	300	N	50
1883CN12	<2.0	N	N	<10	70	<10	300	N	200	N	20
1884CN12	<2.0	N	N	N	200	N	500	N	200	N	N
1885CN12	N	N	N	<10	300	<10	500	N	200	N	20
1886CN43	N	N	N	N	500	<10	700	7	150	20	300
1893CN12	<2.0	N	N	10	300	70	300	N	150	20	100
1897CN12	<2.0	N	N	10	300	<10	300	N	200	N	20

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SN	S-SP	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1836CN44	N	N	700	100	N	200	N	>2,000	N
1838CN44	N	N	300	150	N	300	N	>2,000	N
1839CN44	N	N	300	100	N	300	N	>2,000	300
1840CN44	N	N	500	100	N	300	N	>2,000	N
1841CN44	N	N	200	100	N	500	300	>2,000	300
1842CN44	N	N	500	70	N	500	500	>2,000	200
1843CN44	N	N	700	70	N	300	N	>2,000	N
1844CN44	N	20	1,500	100	N	200	N	>2,000	N
1845CN44	N	N	300	100	N	200	N	>2,000	150
1846CN44	N	15	700	150	N	200	N	>2,000	N
1847CN44	N	N	200	200	N	200	N	>2,000	N
1848CN44	N	N	500	70	N	200	N	>2,000	N
1849CN43	N	N	1,000	100	N	300	N	>2,000	N
1851CN43	N	N	500	200	N	300	N	>2,000	150
1852CN43	N	N	700	70	N	200	300	>2,000	200
1854CN43	N	N	N	100	N	70	N	>2,000	N
1855CN44	N	N	700	150	N	200	N	>2,000	N
1856CN44	N	N	300	300	N	150	N	>2,000	N
1858CN44	N	N	500	700	N	70	N	>2,000	N
1859CN44	N	N	1,500	500	N	50	N	>2,000	N
1860CN44	N	N	700	500	N	50	N	1,500	N
1861CN44	N	N	700	700	N	100	N	>2,000	N
1862CN44	N	N	300	500	N	150	N	>2,000	N
1863CN44	N	15	300	500	N	100	N	>2,000	N
1864CN44	N	N	100	300	N	50	N	700	N
1866CN44	N	300	200	300	N	50	N	1,500	N
1867CN13	N	30	1,500	150	N	200	N	>2,000	N
1868CN13	N	50	1,000	150	N	200	N	>2,000	N
1869CN13	N	200	300	200	N	500	N	>2,000	700
1870CN13	N	N	700	200	N	500	N	>2,000	N
1871CN13	N	N	500	150	N	300	N	>2,000	150
1872CN13	N	N	500	300	N	500	N	>2,000	150
1873CN13	N	N	500	150	N	300	N	>2,000	200
1874CN13	N	15	300	300	N	500	N	>2,000	150
1875CN42	N	N	7,000	100	N	200	N	>2,000	N
1879CN12	N	70	300	70	N	500	N	>2,000	300
1880CN12	N	300	200	150	N	500	N	>2,000	700
1881CN12	N	N	1,000	100	N	200	N	>2,000	200
1882CN12	N	30	300	300	N	500	N	>2,000	700
1883CN12	N	N	500	150	N	300	N	>2,000	150
1884CN12	N	20	500	200	N	300	N	>2,000	1,500
1885CN12	N	N	300	100	N	500	N	>2,000	N
1888CN43	N	30	700	150	N	500	N	>2,000	150
1893CN12	N	N	500	100	N	300	N	>2,000	200
1897CN12	N	N	300	150	N	300	N	>2,000	500

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

Sample	LATITUDE		LONGITUDE		S-FFX	S-WGX	S-CAZ	S-TIX	S-WN	S-AG	S-AS	S-B	S-BA
1898CN12	38 52	56	112 36	38	1.00	3.00	5.00	>2.000	1.000	N	N	700	300
1899CN12	38 54	51	112 35	33	1.50	2.00	5.00	>2.000	1.000	N	N	500	300
2100CN43	38 6	0	112 36	11	1.00	3.00	2.00	2.000	3.00	N	N	150	1,000
2101CN44	38 5 40	112 27	37	3.00	3.00	5.00	1.500	1.500	1.500	N	N	150	3,000
2102CN44	38 1	7	112 26	33	5.00	7.00	10.00	5.00	1.500	N	N	100	500
2103CN44	38 0	8	112 25	16	2.00	7.00	5.00	2.000	1.500	N	N	70	3,000
2104CN44	38 2 40	112 23	20	2.00	10.00	15.00	1.500	1.500	2.000	N	N	20	500
2105CN44	38 3 57	112 23	25	5.00	3.00	10.00	2.000	2.000	7.00	N	N	150	300
2106CN44	38 3 57	112 21	25	1.50	1.50	3.00	3.00	3.00	1.000	N	N	70	500
2107CN44	38 3 50	112 20	0	3.00	3.00	5.00	1.000	1.000	1.000	N	N	50	1,000
2108CN44	38 5 11	112 20	6	5.00	5.00	10.00	2.000	2.000	5.000	N	N	50	700
2109CN44	38 7 34	112 19	28	2.00	5.00	5.00	1.000	1.000	1.500	N	N	50	300
2110CN44	38 7 1	112 11	6	3.00	3.00	10.00	1.000	1.000	1.500	N	N	30	300
2111CN44	38 5 0	112 10	43	2.00	2.00	7.00	>2.000	>2.000	1.500	N	N	70	500
2112CN44	38 5 17	112 12	50	5.00	2.00	10.00	>2.000	>2.000	1.500	N	N	100	200
2113CN44	38 3 43	112 11	50	3.00	3.00	5.00	1.000	1.000	2.000	N	N	150	700
2114CN44	38 6 33	112 6	2	5.00	7.00	10.00	1.500	1.500	1.000	N	N	100	300
2115CN44	38 7 15	112 8	46	2.00	2.00	5.00	>2.000	>2.000	1.000	N	N	70	300
2116CN44	38 10 28	112 10	12	3.00	5.00	7.00	5.00	5.00	1.500	N	N	70	500
2117CN44	38 8 19	112 18	8	5.00	5.00	5.00	1.500	1.500	1.500	N	N	70	1,000
2118CN44	38 14 50	112 21	43	5.00	15.00	15.00	1.000	1.000	3.000	N	N	200	1,500
2119CN44	38 15 4	112 0	38	7.00	10.00	7.00	2.000	2.000	1.000	N	N	150	700
2120CN41	38 16 38	112 0	26	5.00	5.00	7.00	7.00	7.00	1.500	N	N	50	500
2121CN41	38 18 24	112 2	32	3.00	5.00	7.00	5.00	5.00	1.500	N	N	100	2,000
2122CN41	38 17 14	112 3	30	5.00	10.00	10.00	7.00	7.00	3.000	N	N	30	300
2123CN41	38 19 3	112 3	51	5.00	5.00	7.00	>2.000	>2.000	1.500	N	N	200	1,500
2124CN41	38 43 24	112 10	16	1.00	7.00	15.00	1.500	1.500	1.000	N	N	150	>10,000
2125CN41	38 30 20	112 14	14	1.00	5.00	10.00	2.000	2.000	1.000	N	N	70	10,000
2126CN41	38 30 22	112 14	15	1.50	5.00	10.00	2.000	2.000	1.000	N	N	70	>10,000
2127CN41	38 30 19	112 14	14	1.00	1.00	10.00	1.500	1.500	1.000	N	N	30	1,500
2128CN41	38 37 49	112 17	5	2.00	2.00	7.00	>2.000	>2.000	1.500	N	N	50	500
2129CN41	38 45 11	112 21	52	1.00	3.00	1.50	>2.000	>2.000	500	N	N	1,000	7,000
2130CN41	38 44 53	112 27	26	2.00	2.00	10.00	7.00	7.00	1.000	N	N	150	700
2131CN41	38 43 25	112 27	58	7.00	2.00	15.00	1.000	1.000	1.000	N	N	200	5,000
2132CN41	38 44 23	112 29	13	5.00	10.00	20.00	1.500	1.500	1.000	N	N	300	300
2133CN41	38 43 3	112 29	31	3.00	1.00	50.00	5.00	5.00	1.500	N	N	70	500
2134CN41	38 30 50	112 29	37	1.50	5.00	15.00	2.000	2.000	1.500	N	N	100	150
2135CN41	38 32 0	112 31	5	7.00	2.00	2.00	>2.000	>2.000	3.000	N	N	50	3,000
2136CN41	38 33 18	112 30	13	2.00	5.00	7.00	>2.000	>2.000	2.000	N	N	30	200
2137CN41	38 34 30	112 28	45	3.00	10.00	15.00	2.000	2.000	5.000	N	N	50	500
2138CN41	38 32 21	112 28	57	5.00	5.00	3.00	>2.000	>2.000	2.000	N	N	70	3,000
2139CN41	38 30 50	112 27	32	3.00	5.00	7.00	>2.000	>2.000	2.000	N	N	50	500
2140CN41	38 30 50	112 21	36	7.00	5.00	3.00	>2.000	>2.000	>10,000	N	N	70	2,000
2141CN41	38 35 17	112 18	20	5.00	3.00	3.00	>2.000	>2.000	7.000	N	N	100	700
2142CN41	38 35 25	112 21	35	1.50	1.50	7.00	1.000	1.000	1.500	N	N	30	300

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRAANGLE--continued

sample	S-RF	S-RT	S-CN	S-CO	S-CR	S-CU	S-LA	S-YO	S-NB	S-NI	S-PB
1898CN12	<2.0	N	N	<10	150	N	700	N	100	N	30
1899CN12	<2.0	N	N	N	200	<10	500	10	200	N	20
2100CN12	<2.0	N	N	N	30	N	70	N	100	N	N
2101CN44	N	N	N	20	300	<10	200	N	100	20	70
2102CN44	<2.0	N	N	30	1,000	<10	N	N	<50	100	30
2103CN44	N	N	N	20	1,500	N	300	N	100	70	N
2104CN44	N	N	N	50	2,000	15	150	N	<50	100	N
2105CN44	N	N	N	N	70	N	700	10	50	N	N
2106CN44	<2.0	N	N	<10	200	<10	70	N	N	20	N
2107CN44	N	N	N	15	700	10	200	N	50	100	70
2108CN44	<2.0	N	N	30	300	10	200	N	100	N	30
2109CN44	N	N	N	15	700	<10	200	N	<50	70	N
2110CN44	<2.0	N	N	10	150	<10	100	N	<50	N	20
2111CN44	<2.0	N	N	10	500	<10	700	N	100	30	50
2112CN44	<2.0	N	N	10	200	10	1,000	N	100	N	N
2113CN44	<2.0	N	N	15	150	<10	150	N	<50	N	N
2114CN44	<2.0	N	N	30	2,000	<10	500	N	50	100	20
2115CN44	N	N	N	10	1,000	N	500	N	150	70	N
2116CN44	N	N	N	20	500	<10	70	N	<50	100	<20
2117CN44	N	N	N	20	300	<10	500	N	70	20	150
2120CN44	N	N	N	70	2,000	<10	100	N	<50	100	30
2121CN44	<2.0	N	N	50	1,500	<10	300	N	100	150	70
2122CN41	<2.0	N	N	20	700	15	300	N	50	100	N
2123CN41	<2.0	N	N	20	1,500	10	500	N	<50	100	20
2124CN41	<2.0	N	N	30	2,000	20	300	N	N	150	700
2125CN41	N	N	N	15	1,000	<10	700	N	150	70	20
2126CN14	<2.0	N	N	<10	100	<10	300	N	100	N	20
2127CN14	N	N	N	10	300	<10	500	N	70	30	30
2128CN14	<2.0	N	N	N	200	<10	1,000	N	70	N	N
2129CN41	N	N	N	15	1,000	<10	700	N	150	70	20
2130CN14	<2.0	N	N	<10	100	<10	300	N	100	N	20
2131CN14	N	N	N	<10	300	<10	500	N	100	N	N
2132CN14	<2.0	N	N	10	300	<10	500	N	70	30	30
2133CN14	<2.0	N	N	N	200	<10	1,000	N	70	N	N
2134CN13	<2.0	N	N	15	200	<10	500	N	150	20	N
2135CN11	<2.0	N	N	N	100	N	150	N	70	N	500
2136CN14	<2.0	N	N	10	300	20	300	N	50	30	100
2137CN14	5.0	N	N	10	500	50	500	10	50	50	500
2138CN14	<2.0	N	N	10	200	30	500	70	70	100	200
2139CN14	<2.0	N	N	<10	300	30	1,000	70	<50	100	150
2140CN13	<2.0	N	N	N	30	10	300	N	100	N	70
2141CN13	3.0	N	N	20	100	30	700	10	150	100	100
2142CN13	<2.0	N	N	N	1,500	<10	700	N	100	100	20
2143CN14	<2.0	N	N	30	1,000	10	500	10	100	70	30
2144CN14	<2.0	N	N	20	50	20	500	10	150	N	70
2145CN14	<2.0	20	N	10	200	30	500	20	500	N	100
2146CN13	10.0	N	N	N	200	10	300	10	200	N	1,500
2147CN14	<2.0	N	N	15	500	20	500	10	200	50	70
2148CN14	<2.0	N	N	10	300	10	700	10	50	20	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1898CN12	N	150	300	150	N	500	N	>2,000	1,000
1899CN12	N	15	500	100	N	300	N	>2,000	700
2107CN43	V	N	1,000	70	N	200	N	>2,000	200
2111CN44	V	N	700	200	N	300	N	>2,000	300
2102CN44	N	N	700	200	N	70	N	>2,000	N
2103CN44	N	N	500	200	N	300	N	>2,000	150
2104CN44	V	N	700	500	N	200	N	>2,000	N
2105CN44	V	N	300	70	N	300	300	>2,000	500
2106CN44	V	N	1,000	70	N	70	N	>2,000	N
2107CN44	N	N	700	100	N	200	N	>2,000	N
2108CN44	V	N	700	100	N	200	N	>2,000	N
2109CN44	N	N	700	100	N	150	N	>2,000	N
2111CN44	N	N	1,000	150	N	100	N	>2,000	N
2112CN44	N	N	1,000	150	N	300	N	>2,000	500
2113CN44	N	N	1,000	200	N	300	N	>2,000	N
2114CN44	V	N	700	100	N	150	N	>2,000	N
2115CN44	N	50	500	300	70	300	N	>2,000	N
2117CN44	V	15	700	150	N	500	N	>2,000	200
2118CN44	N	N	700	200	N	100	N	>2,000	N
2127CN44	V	50	700	70	V	300	N	>2,000	200
2121CN44	V	N	500	300	N	100	N	>2,000	N
2122CN41	N	200	500	300	N	300	N	>2,000	N
2124CN41	N	N	1,000	200	N	200	N	>2,000	150
2127CN41	V	V	500	150	N	200	N	>2,000	N
2128CN41	N	V	700	200	V	150	N	>2,000	N
2129CN41	V	20	700	300	N	700	N	>2,000	150
2137CN14	N	N	1,000	100	N	200	N	1,500	N
2131CN14	N	N	1,000	100	N	300	N	>2,000	N
2132CN14	V	15	1,000	100	N	500	N	>2,000	N
2133CN14	V	N	1,000	70	N	300	N	N	N
2134CN13	V	700	700	200	V	300	N	>2,000	N
2135CN11	N	N	300	100	N	500	700	>2,000	150
2135CN14	V	N	500	150	N	300	N	>2,000	N
2137CN14	N	N	1,500	300	N	200	N	>2,000	N
2138CN14	N	N	700	300	N	300	N	>2,000	N
2139CN14	N	V	2,000	300	N	1,000	N	>2,000	N
2140CN13	V	N	700	100	V	300	N	>2,000	150
2141CN13	V	300	300	300	N	700	N	>2,000	150
2142CN13	V	70	200	100	N	1,000	N	>2,000	200
2143CN14	N	200	300	100	N	300	N	>2,000	N
2144CN14	V	300	300	200	N	300	N	>2,000	200
2145CN14	V	170	500	300	N	500	N	>2,000	500
2145CN13	V	500	300	200	V	500	1,500	>2,000	500
2147CN14	N	70	200	200	N	500	N	>2,000	200
2148CN14	N	170	1,000	100	N	200	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FFX	S-MGX	S-CAZ	S-TIX	S-MV	S-AG	S-AS	S-R	S-BA
2142CV41	38 36 50	112 24 5	1.00	.70	5.00	.200	700	N	N	20	7,000
2150CV41	38 31 50	112 35 2	1.50	.50	10.00	>2.000	3,000	N	N	30	200
2151CV41	38 20 23	112 10 56	50.00	2.00	3.00	>2.000	10,000	N	N	20	1,500
2152CV41	38 21 54	112 10 54	5.00	10.00	10.00	1.500	2,000	N	N	70	700
2153CV41	38 28 53	112 2 19	2.00	2.00	5.00	1.000	1,000	N	N	50	1,000
2154CV41	38 20 58	112 4 34	3.00	10.00	15.00	.700	3,000	N	N	N	150
2155CV41	38 19 19	112 6 17	10.00	10.00	10.00	1.500	7,000	N	N	N	1,000
2156CV44	38 8 20	112 21 11	2.00	7.00	10.00	.500	2,000	N	N	50	500
2157CV44	38 9 59	112 28 24	5.00	3.00	5.00	>2.000	1,500	N	N	30	5,000
2159CV44	38 9 32	112 27 32	3.00	2.00	3.00	1.000	1,000	N	N	100	500
2160CV44	38 8 55	112 8 56	3.00	10.00	7.00	.700	1,500	N	N	20	300
2163CV44	38 12 20	112 5 50	2.00	2.00	5.00	1.000	2,000	N	N	300	700
2164CV44	38 14 45	112 8 18	2.00	5.00	5.00	>2.000	1,500	N	N	300	500
2165CV44	38 14 17	112 1 3	3.00	3.00	3.00	>2.000	3,000	N	N	500	500
2301CV41	38 28 41	112 20 36	15.00	.70	1.50	>2.000	1,500	N	N	50	700
2302CV41	38 28 30	112 20 49	5.00	.50	5.00	>2.000	1,500	N	N	70	700
2303CV41	38 28 32	112 20 52	7.00	1.00	1.50	>2.000	1,500	N	N	70	1,000
2304CV44	38 28 28	112 20 51	2.00	5.00	30.00	1.500	1,500	N	N	<20	200
2305CV41	38 27 50	112 22 29	5.00	1.00	5.00	1.500	5,000	N	N	20	500
2306CV41	38 27 39	112 22 29	10.00	1.00	2.00	2.000	5,000	N	N	30	500
2307CV41	38 27 37	112 22 19	10.00	3.00	3.00	1.500	3,000	N	N	70	500
2309CV41	38 26 28	112 15 9	2.00	.30	3.00	2.000	2,000	N	N	30	>10,000
2311CV41	38 26 23	112 18 44	7.00	1.50	3.00	2.000	1,000	N	N	30	5,000
2313CV41	38 24 58	112 18 37	5.00	.70	3.00	>.002	1,500	N	N	70	2,000
2314CV41	38 25 7	112 19 19	30.00	.30	1.50	.500	1,000	20.0	1,000	<20	5,000
2315CV41	38 29 14	112 15 9	2.00	.15	5.00	>2.000	3,000	N	N	30	5,000
2316CV41	38 28 23	112 14 24	2.00	5.00	10.00	2.000	2,000	N	N	50	5,000
2317CV41	38 28 52	112 13 14	5.00	1.00	5.00	>2.000	1,000	N	N	150	10,000
2318CV41	38 28 53	112 13 20	1.50	1.00	5.00	2.000	700	N	N	200	3,000
2319CV41	38 28 55	112 13 19	7.00	.50	3.00	>2.000	1,000	N	N	70	700
2320CV41	38 29 18	112 11 52	2.00	1.00	20.00	2.000	1,000	N	N	100	>10,000
2321CV41	38 27 6	112 12 26	5.00	5.00	10.00	1.000	5,000	N	N	20	>10,000
2322CV41	38 28 20	112 10 55	7.00	1.00	5.00	1.500	1,500	N	N	70	>10,000
2323CV41	38 27 8	112 9 59	2.00	3.00	15.00	1.000	1,500	N	N	30	10,000
2324CV41	38 25 3	112 10 38	5.00	7.00	10.00	2.000	3,000	N	N	100	300
2325CV41	38 24 14	112 11 20	5.00	10.00	15.00	1.500	1,500	N	N	30	500
2326CV41	38 26 1	112 12 14	7.00	7.00	15.00	1.000	1,000	N	N	20	150
2327CV41	38 23 40	112 19 12	2.00	1.00	5.00	>2.000	1,000	N	N	<20	1,500
2329CV41	38 23 25	112 16 23	15.00	.70	3.00	1.500	1,000	70.0	N	50	>10,000
2330CV41	38 21 48	112 17 7	10.00	1.00	.70	1.500	1,000	N	N	200	>10,000
2332CV41	38 21 51	112 19 37	7.00	1.00	1.00	>2.000	1,000	N	N	<20	1,500
2333CV41	38 20 59	112 18 58	5.00	1.50	10.00	>2.000	2,000	N	N	N	1,500
2334CV41	38 22 10	112 15 20	5.00	2.00	2.00	2.000	1,000	100.0	N	100	>10,000
2335CV41	38 15 59	112 15 36	2.00	.70	10.00	>2.000	1,500	700.0	N	20	300
2337CV41	38 17 43	112 15 41	2.00	5.00	10.00	1.500	1,000	N	N	150	1,500

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BF	S-BT	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-N3	S-VI	S-P3
2149CV14	3.0	N	N	N	150	<10	500	N	N	N	N
2150CV13	<2.0	N	N	N	150	N	1,500	15	200	N	70
2151CV41	2.0	N	N	150	500	150	500	7	100	150	100
2152CV41	<2.0	N	N	50	3,000	20	300	N	70	200	100
2153CV41	2.0	N	N	15	700	15	300	N	<50	100	20
2154CV41	N	N	N	30	2,000	10	N	N	N	150	20
2155CV41	N	N	N	100	1,500	50	100	N	N	150	50
2156CV44	<2.0	N	N	20	700	15	100	N	N	50	N
2157CV44	N	1,000	N	20	1,000	15	50	10	50	70	30
2158CV44	<2.0	N	N	15	300	<10	50	N	<50	N	N
2160CV44	N	N	N	30	1,000	<10	500	N	<50	100	20
2163CV44	<2.0	N	N	10	50	<10	300	N	<50	N	20
2164CV44	<2.0	N	N	10	500	<10	500	N	70	20	100
2165CV44	2.0	N	N	10	300	<10	500	N	150	20	200
2301CV41	15.0	N	N	15	200	50	300	7	200	20	200
2302CV41	15.0	N	N	15	150	30	300	20	150	N	700
2303CV41	20.0	300	N	15	200	50	200	20	150	20	200
2304CV44	N	N	N	N	1,000	<10	1,500	N	<50	20	300
2305CV41	10.0	N	N	15	300	30	300	7	100	20	300
2306CV41	10.0	N	N	10	300	30	300	7	100	30	700
2307CV41	7.0	N	N	20	700	50	300	N	50	70	150
2309CV41	15.0	N	N	<10	70	30	700	15	100	N	200
2311CV41	2.0	N	N	20	150	30	500	150	70	20	500
2313CV41	3.0	N	N	10	100	20	300	10	70	N	200
2314CV41	2.0	N	N	150	70	200	150	20	<50	100	3,000
2315CV41	3.0	N	N	N	20	N	1,500	7	150	N	150
2316CV41	3.0	N	N	15	1,500	10	700	N	500	100	200
2317CV41	2.0	N	N	10	200	20	500	15	100	20	300
2318CV41	2.0	N	N	<10	70	<10	300	N	100	N	N
2319CV41	7.0	N	N	10	100	30	500	10	70	N	100
2320CV41	2.0	N	N	<10	300	100	1,500	N	70	20	20
2321CV41	3.0	N	N	15	100	50	300	N	N	N	50
2322CV41	7.0	N	N	10	150	30	500	10	50	N	100
2323CV41	<2.0	N	N	10	1,000	20	1,000	N	<50	50	20
2324CV41	<2.0	N	N	20	1,500	10	300	N	150	150	N
2325CV41	<2.0	N	N	30	3,000	10	300	N	100	200	N
2326CV41	<2.0	N	N	20	2,000	15	500	N	50	150	100
2327CV41	2.0	N	N	50	150	50	500	N	70	N	200
2329CV41	2.0	N	N	50	100	1,000	200	15	50	100	700
2330CV41	5.0	30	N	15	150	50	150	300	50	30	50,000
2332CV41	3.0	N	N	20	150	50	300	N	50	20	200
2333CV41	2.0	N	N	N	200	30	700	N	100	N	100
2334CV41	2.0	N	N	10	500	1,000	100	10	100	30	100
2335CV41	10.0	N	N	10	300	30	1,000	N	70	N	200
2337CV41	N	N	N	10	700	10	300	N	50	150	1,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SN	S-SR	S-V	S-W	S-Y	S-ZR	S-TH
2149CV14	N	N	1,500	50	N	150	>2,000	N
2150CV13	V	100	700	500	N	500	>2,000	150
2151CV41	N	N	200	700	V	200	>2,000	N
2152CV41	N	15	1,000	300	N	300	>2,000	N
2153CV41	N	500	1,000	100	N	150	>2,000	N
2154CV41	V	N	300	100	N	70	700	N
2155CV41	V	N	700	500	N	100	500	N
2156CV44	V	N	500	200	N	100	>2,000	N
2157CV44	N	N	700	300	N	150	>2,000	N
2158CV44	N	N	700	150	N	100	>2,000	N
2160CV44	V	V	300	300	V	150	>2,000	200
2163CV44	V	N	700	300	N	150	>2,000	N
2164CV44	V	N	700	150	N	200	>2,000	150
2165CV44	N	50	500	150	N	300	>2,000	200
2301CV41	V	N	700	500	N	200	>2,000	N
2302CV41	N	100	500	200	N	200	>2,000	150
2303CV41	V	15	500	200	V	150	>2,000	N
2304CV44	N	N	700	100	N	500	>2,000	N
2305CV41	V	300	700	200	N	200	>2,000	N
2306CV41	N	V	1,000	300	V	150	>2,000	N
2307CV41	V	N	700	500	N	100	1,500	N
2309CV41	N	100	1,000	70	N	500	>2,000	500
2311CV41	V	N	700	300	N	200	>2,000	N
2313CV41	V	N	1,000	300	V	200	>2,000	N
2314CV41	V	N	300	100	N	70	1,500	N
2315CV41	V	70	<200	70	N	2,000	>2,000	700
2316CV41	N	300	700	150	N	300	>2,000	700
2317CV41	V	N	1,500	200	N	300	>2,000	150
2318CV41	V	15	1,000	100	N	300	>2,000	150
2319CV41	V	300	700	200	N	150	2,000	N
2320CV41	N	N	2,000	150	N	500	>2,000	200
2321CV41	V	V	2,000	150	V	150	1,500	N
2322CV41	V	N	2,000	200	N	200	2,000	N
2323CV41	V	300	1,000	100	V	300	>2,000	N
2324CV41	V	N	300	200	V	300	>2,000	N
2325CV41	N	50	500	300	N	300	>2,000	N
2326CV41	V	N	700	150	N	200	>2,000	N
2327CV41	V	N	500	300	N	200	>2,000	N
2329CV41	V	V	5,000	70	N	200	>2,000	N
2330CV41	N	N	700	150	V	150	>2,000	N
2332CV41	V	V	2,000	300	N	200	>2,000	N
2333CV41	V	100	700	200	N	300	>2,000	N
2334CV41	V	N	7,000	200	N	200	>2,000	N
2335CV41	V	50	1,000	200	N	300	>2,000	N
2337CV41	V	V	1,000	70	V	200	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	LATITUDE	LONGITUDE	S-EFFX	S-MGX	S-CAX	S-TIX	S-WV	S-AG	S-AS	S-B	S-RA
2339CN41	38 16 16	112 17 39	3.00	7.00	5.00	1.700	1.000	N	N	20	500
2340CN41	38 18 17	112 17 38	3.00	5.00	5.00	.200	1.500	N	N	50	500
2343CN44	38 16 37	112 19 44	2.00	3.00	5.00	.200	1.000	N	N	20	500
2345CN42	38 16 37	112 31 31	2.00	1.50	5.00	>2.000	2.000	N	N	70	300
2346CN42	38 17 13	112 31 8	2.00	2.00	7.00	>2.000	3.000	N	N	20	500
2347CN42	38 20 26	112 31 19	3.00	2.00	5.00	>2.000	2.000	N	N	50	>10,000
2348CN41	38 20 58	112 31 5	7.00	1.00	3.00	>2.000	1.500	N	N	2,000	1,000
2349CN41	38 20 31	112 29 22	7.00	1.00	2.00	>2.000	1.500	N	N	100	>10,000
2350CN41	38 20 42	112 28 54	7.00	.70	.50	>2.000	1.500	N	N	100	7,000
2351CN41	38 20 35	112 28 54	15.00	2.00	3.00	>2.000	1.500	N	N	50	2,000
2352CN41	38 21 1	112 28 16	7.00	5.00	7.00	>2.000	3.000	N	N	100	7,000
2353CN41	38 20 59	112 28 23	2.00	.50	.70	>2.000	7.00	N	N	200	10,000
2354CN41	38 21 17	112 27 58	7.00	1.00	2.00	>2.000	1.000	N	N	100	5,000
2355CN41	38 21 4	112 27 6	3.00	1.50	10.00	1.500	1.500	N	N	50	2,000
2356CN41	38 21 3	112 27 7	3.00	1.50	15.00	1.500	1.500	N	N	150	10,000
2358CN44	38 0 53	112 19 36	2.00	3.00	7.00	1.000	1.500	N	N	200	300
2360CN44	38 1 1	112 18 55	2.00	5.00	5.00	1.000	1.000	N	N	50	300
2361CN44	38 2 10	112 20 47	1.50	3.00	7.00	>2.000	1.500	N	N	300	1,000
2363CN44	38 6 16	112 20 15	3.00	3.00	5.00	.700	1.000	N	N	50	1,500
2364CN44	38 6 32	112 16 55	2.00	3.00	5.00	2.000	1.000	N	N	300	700
2365CN44	38 5 41	112 17 25	1.00	1.50	5.00	2.000	1.000	N	N	200	500
2366CN44	38 4 33	112 17 35	2.00	3.00	5.00	2.000	1.000	N	N	500	300
2367CN44	38 4 8	112 16 40	20.00	5.00	7.00	>2.000	7.000	N	N	<20	300
2368CN44	38 5 22	112 15 37	2.00	3.00	7.00	2.000	1.500	N	N	300	300
2369CN44	38 2 32	112 18 15	2.00	2.00	3.00	1.000	1.000	N	N	150	500
2370CN44	38 2 33	112 18 15	2.00	3.00	10.00	2.000	1.000	N	N	300	300
2371CN44	38 2 21	112 18 25	5.00	5.00	7.00	1.000	2.000	N	N	150	200
2372CN44	38 2 17	112 16 20	3.00	5.00	7.00	.700	1.500	15.00	N	70	500
2373CN44	38 0 26	112 15 55	2.00	3.00	3.00	.500	1.000	N	N	50	500
2375CN42	38 20 20	112 32 7	1.50	.30	3.00	2.000	1.000	N	N	20	300
2376CN42	38 20 21	112 32 13	3.00	1.00	3.00	>2.000	2.000	N	N	150	700
2377CN42	38 28 2	112 31 43	7.00	.70	2.00	>2.000	3.000	N	N	50	5,000
2378CN42	38 27 50	112 31 43	10.00	.70	1.50	>2.000	3.000	N	N	100	7,000
2379CN42	38 28 41	112 30 9	10.00	.30	.70	>2.000	10.000	N	N	50	70
2380CN42	38 28 37	112 30 8	5.00	.20	1.00	2.000	7.000	N	N	100	500
2381CN41	38 28 51	112 28 1	7.00	1.50	2.00	>2.000	10.000	N	N	150	700
2382CN41	38 28 51	112 28 3	7.00	2.00	1.50	>2.000	10.000	N	N	70	2,000
2383CN41	38 28 45	112 28 15	10.00	1.50	1.00	>2.000	>10.000	N	N	20	1,500
2384CN41	38 28 40	112 28 21	3.00	.30	1.00	>2.000	5.000	N	N	70	300
2385CN41	38 28 1	112 28 11	10.00	1.00	.70	>2.000	10.000	N	N	20	300
2386CN41	38 27 58	112 28 11	15.00	2.00	2.00	>2.000	>10.000	N	N	20	300
2387CN41	38 28 2	112 25 18	2.00	.70	7.00	2.000	1.500	N	N	300	7,000
2388CN41	38 21 56	112 28 59	15.00	.50	.50	>2.000	700	N	N	70	700
2389CN41	38 23 27	112 25 20	20.00	.70	2.00	1.500	3.000	N	N	20	1,000
2390CN41	38 22 54	112 26 39	7.00	.30	1.50	2.000	1.500	N	N	150	1,500

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	S-RF	S-RT	S-CN	S-CO	S-CR	S-CU	S-LA	S-MO	S-NR	S-NI	S-PB
2370CN41	<2.0	N	N	30	1,500	15	300	N	<50	700	N
2371CN41	<2.0	20	N	30	1,000	20	1,000	N	N	700	30
2372CN41	<2.0	N	N	15	700	10	N	N	N	70	N
2373CN42	2.0	>2,000	N	N	150	<10	1,000	15	300	N	50
2374CN42	2.0	N	N	N	500	15	700	20	300	50	50
2375CN42	3.0	N	N	15	700	15	500	10	150	30	100
2376CN41	2.0	N	N	10	150	70	500	20	100	N	150
2377CN41	5.0	30	N	15	150	50	200	50	200	N	200
2378CN41	5.0	N	N	20	150	30	300	50	150	N	150
2379CN41	10.0	N	N	20	500	100	500	15	70	70	100
2380CN41	2.0	N	N	30	1,000	50	500	10	70	150	70
2381CN41	10.0	N	N	10	30	20	200	15	150	200	200
2382CN41	2.0	N	N	15	500	<10	150	N	50	30	50
2383CN41	2.0	N	N	10	700	<10	300	N	100	20	500
2384CN41	2.0	N	N	10	300	<10	200	N	70	20	N
2385CN41	2.0	N	N	15	700	<10	300	N	100	100	20
2386CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2387CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2388CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2389CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2390CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2391CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2392CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2393CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2394CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2395CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2396CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2397CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2398CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2399CN41	2.0	N	N	15	700	<10	300	N	50	100	20
2400CN41	2.0	N	N	15	700	<10	300	N	50	100	20

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SR	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
2339CN41	N	N	1,000	150	N	150	N	>2,000	N
2340CN41	N	N	700	100	N	200	N	>2,000	700
2343CN44	N	N	2,000	100	N	50	N	1,000	N
2345CN42	N	150	300	200	N	1,000	N	>2,000	700
2346CN42	N	150	200	300	N	1,000	N	>2,000	300
2347CN42	N	100	1,500	200	N	500	N	>2,000	N
2348CN41	N	500	700	300	N	300	N	>2,000	700
2349CN41	N	300	1,000	300	N	200	N	>2,000	150
2350CN41	N	300	700	300	70	200	N	>2,000	N
2351CN41	N	N	700	300	70	150	N	2,000	N
2352CN41	N	300	1,000	500	N	200	N	2,000	N
2353CN41	N	500	500	200	70	200	N	>2,000	150
2354CN41	N	300	300	200	N	150	N	>2,000	200
2355CN41	N	30	1,000	150	N	300	N	>2,000	N
2356CN41	N	30	1,500	150	N	300	N	>2,000	200
2358CN44	N	N	700	150	N	200	N	>2,000	200
2360CN44	N	N	1,000	150	N	150	N	>2,000	N
2361CN44	N	N	500	70	N	300	300	>2,000	300
2363CN44	N	N	700	70	N	200	N	>2,000	N
2364CN44	N	N	1,000	100	N	200	N	>2,000	N
2365CN44	N	N	1,000	100	N	300	N	>2,000	150
2366CN44	N	15	300	200	N	200	N	>2,000	150
2367CN44	N	N	300	500	N	70	N	1,000	N
2368CN44	N	N	500	100	N	300	N	>2,000	200
2369CN44	N	N	1,000	70	N	200	N	>2,000	N
2370CN44	N	N	300	70	N	300	N	>2,000	300
2371CN44	N	N	300	150	N	150	N	>2,000	N
2372CN44	N	N	500	150	N	100	N	>2,000	N
2373CN44	N	N	1,000	70	N	50	N	2,000	N
2375CN42	N	100	1,000	100	N	500	N	>2,000	200
2376CN42	N	100	200	300	N	500	N	N	1,000
2377CN42	N	15	1,000	300	N	300	N	N	300
2378CN42	N	N	300	500	N	200	N	>2,000	N
2379CN42	N	200	N	70	N	700	700	>2,000	3,000
2380CN42	N	1,000	<200	70	N	700	500	>2,000	2,000
2381CN41	N	300	N	100	N	1,000	1,000	>2,000	1,000
2382CN41	N	300	<200	150	N	700	1,000	>2,000	700
2383CN41	N	1,000	N	70	N	500	1,000	>2,000	700
2384CN41	N	150	<200	70	N	700	300	>2,000	1,000
2385CN41	N	300	N	150	N	700	1,000	>2,000	500
2386CN41	N	200	200	200	N	700	1,000	>2,000	500
2387CN41	N	N	1,000	100	N	500	500	>2,000	300
2388CN41	N	300	1,000	500	100	150	N	>2,000	N
2389CN41	N	2,000	700	500	70	200	N	2,000	N
2390CN41	N	300	700	200	N	200	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TIZ	S-WN	S-AG	S-AS	S-B	S-RA
2391CN41	38 24 28	112 24 51	5.00	1.20	1.70	>2.000	10,000	N	N	20	200
2392CN41	38 26 20	112 26 36	3.00	1.50	15.00	>2.000	10,000	N	N	<20	>10,000
2393CN41	38 27 5	112 22 40	10.00	1.50	2.00	2.000	3,000	N	N	20	700
2394CN41	38 27 20	112 19 2	15.00	5.00	5.00	2.000	5,000	N	N	20	2,000
2395CN41	38 28 31	112 17 45	5.00	.30	2.00	>2.000	7,000	N	N	100	500
2396CN42	38 29 20	112 35 55	2.00	3.00	7.00	>2.000	2,000	N	N	20	200
2397CN42	38 29 32	112 35 52	2.00	1.50	3.00	>2.000	1,500	N	N	50	300
2398CN42	38 29 36	112 35 56	7.00	10.00	10.00	>2.000	3,000	N	N	N	2,000
2399CN41	38 18 18	112 6 44	5.00	2.00	5.00	1.000	3,000	N	700	30	1,000
2400CN41	38 17 12	112 6 11	3.00	5.00	10.00	1.500	1,500	N	N	50	200
2401CN41	38 16 15	112 6 40	5.00	15.00	10.00	1.500	3,000	N	N	30	1,500
2403CN41	38 15 53	112 4 5	5.00	10.00	10.00	1.000	2,000	N	N	20	1,000
2404CN41	38 15 51	112 4 7	5.00	10.00	10.00	1.000	2,000	N	N	<20	700
2405CN41	38 16 14	112 3 57	7.00	10.00	15.00	1.500	2,000	N	N	N	700
2406CN11	38 51 4	112 15 30	1.00	10.00	15.00	.300	300	N	N	70	70
2408CN11	38 51 18	112 16 34	5.00	2.00	2.00	>2.000	500	N	N	1,000	5,000
2409CN11	38 51 45	112 21 8	2.00	1.00	2.00	>2.000	1,000	N	N	1,500	2,000
2410CN11	38 49 41	112 16 40	2.00	1.50	3.00	>2.000	2,000	N	N	700	1,000
2411CN11	38 49 42	112 16 38	3.00	1.00	2.00	>2.000	700	N	N	300	500
2412CN11	38 49 33	112 15 29	7.00	.30	1.50	>2.000	700	N	N	1,500	200
2413CN11	38 49 27	112 19 4	7.00	2.00	3.00	2.000	1,000	N	N	500	500
2415CN11	38 47 53	112 22 26	7.00	.50	1.50	>2.000	700	N	N	2,000	300
2416CN11	38 47 50	112 19 51	10.00	.30	.50	>2.000	1,000	N	N	300	500
2417CN11	38 48 8	112 17 6	7.00	.50	3.00	>2.000	1,000	N	N	1,000	500
2418CN11	38 47 52	112 15 16	5.00	.30	1.00	>2.000	500	N	N	500	500
2419CN11	38 45 17	112 16 44	5.00	.10	.70	>2.000	1,000	N	N	1,000	>10,000
2421CN41	38 46 30	112 19 14	5.00	3.00	3.00	2.000	3,000	N	N	1,000	>10,000
2422CN13	38 30 25	112 31 11	3.00	.70	7.00	1.000	1,500	N	N	300	3,000
2423CN13	38 36 54	112 30 54	5.00	10.00	10.00	.700	5,000	N	N	N	700
2424CN14	38 32 22	112 20 22	3.00	7.00	10.00	2.000	2,000	N	N	20	1,000
2425CN14	38 39 32	112 2 16	1.50	1.50	15.00	1.000	1,000	N	N	100	500
2426CN14	38 38 14	112 5 1	2.00	3.00	10.00	.700	5,000	N	N	50	3,000
2427CN14	38 35 33	112 3 21	2.00	1.00	5.00	1.500	2,000	N	N	5,000	7,000
2429CN14	38 34 41	112 3 22	3.00	2.00	7.00	2.000	2,000	N	N	70	2,000
2429CN14	38 34 48	112 3 3	5.00	.50	3.00	2.000	1,500	N	N	300	>10,000
2430CN14	38 32 43	112 2 0	2.00	7.00	7.00	1.000	1,500	N	N	70	1,500
2431CN14	38 30 52	112 6 20	2.00	3.00	7.00	1.500	1,500	N	N	50	1,000
2432CN14	38 30 28	112 4 37	3.00	7.00	10.00	1.000	2,000	N	N	<20	500
2433CN14	38 32 58	112 6 44	5.00	1.00	3.00	1.500	1,500	N	N	30	3,000
2434CN41	38 27 11	112 27 21	2.00	.20	1.00	1.500	1,500	N	N	100	200
2435CN41	38 27 1	112 27 20	5.00	.15	.70	.300	10,000	N	N	30	500
2436CN41	38 26 27	112 21 6	20.00	1.50	1.50	>2.000	1,500	N	N	<20	10,000
2437CN41	38 23 41	112 22 1	1.00	1.00	5.00	1.500	500	N	N	200	500
2438CN41	38 21 41	112 21 6	10.00	2.00	7.00	>2.000	2,000	N	1,000	N	1,500
2439CN41	38 19 28	112 19 32	7.00	5.00	7.00	1.000	2,000	N	N	<20	5,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RF	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-WO	S-N3	S-NI	S-PB
2391CN41	10.0	N	N	N	50	<10	1,500	30	1,000	N	700
2392CN41	15.0	N	N	N	700	<10	500	70	>5,000	50	1,000
2393CN41	10.0	N	N	20	200	20	300	7	70	30	300
2394CN41	3.0	N	N	30	700	50	300	N	50	70	150
2395CN41	15.0	70	N	N	100	N	700	15	500	N	300
2396CN42	3.0	N	N	10	1,500	<10	500	N	300	100	50
2397CN42	<2.0	N	N	20	700	<10	700	15	150	N	<20
2398CN42	<2.0	N	N	70	2,000	20	500	N	100	150	70
2399CN41	<2.0	N	N	15	500	20	1,000	N	<50	20	70
2400CN41	N	N	N	15	1,500	<7	1,000	N	70	100	30
2401CN41	N	N	N	50	2,000	20	300	N	50	150	30
2402CN41	N	N	N	50	3,000	15	150	N	50	300	20
2403CN41	<2.0	N	N	50	2,000	15	150	N	<50	200	20
2404CN41	<2.0	N	N	30	2,000	10	200	N	<50	150	N
2405CN11	<2.0	N	N	N	20	<10	N	N	N	N	20
2406CN11	5.0	N	N	N	150	<10	150	N	100	N	70
2407CN11	N	N	N	10	300	N	300	N	100	N	70
2410CN11	5.0	N	N	10	150	20	200	N	100	50	70
2411CN11	3.0	N	N	N	70	<10	300	N	70	N	70
2412CN11	2.0	N	N	N	150	<10	300	N	70	N	30
2413CN11	7.0	N	N	15	150	15	200	N	50	50	100
2415CN11	<2.0	N	N	N	150	30	200	N	70	N	70
2416CN11	5.0	N	N	20	200	70	200	N	50	70	150
2417CN11	3.0	N	N	N	100	15	200	N	100	N	70
2418CN11	2.0	N	N	N	100	N	200	N	100	N	70
2419CN11	2.0	N	N	N	100	10	70	7	100	N	30
2421CN41	7.0	N	N	N	50	15	300	N	50	20	200
2422CN13	3.0	N	N	20	150	30	300	N	50	30	300
2423CN13	N	N	N	50	3,000	15	300	N	<50	200	20
2424CN14	2.0	N	N	20	1,500	<10	700	N	100	150	150
2425CN14	<2.0	N	N	10	500	20	700	N	50	20	N
2426CN14	N	N	N	10	200	30	2,000	N	N	N	70
2427CN14	7.0	N	N	15	100	100	500	N	<50	N	1,500
2428CN14	3.0	N	N	20	200	15	500	15	70	30	100
2429CN14	5.0	N	N	10	150	70	500	7	<50	N	50
2430CN14	<2.0	N	N	20	1,500	20	200	N	<50	100	N
2431CN14	2.0	N	N	15	700	20	500	10	150	100	200
2432CN14	<2.0	N	N	30	2,000	30	300	N	50	200	50
2433CN14	3.0	N	N	15	150	30	500	7	70	20	70
2434CN41	20.0	N	N	N	30	N	200	20	300	N	200
2435CN41	30.0	N	N	N	20	N	300	15	150	N	150
2436CN41	2.0	N	N	100	150	50	300	N	50	100	200
2437CN41	<2.0	N	N	<10	150	<10	200	N	50	N	50
2438CN41	<2.0	N	N	50	500	20	700	N	100	50	100
2439CN41	N	N	N	50	700	70	300	N	<50	70	70

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

Sample	S-Sa	S-Sv	S-Sp	S-V	S-W	S-Y	S-Zn	S-Zr	S-TH
2301CN41	N	100	<200	70	N	700	700	>2,000	1,500
2302CN41	V	100	200	100	N	700	N	>2,000	500
2303CN41	N	50	300	300	N	150	N	>2,000	N
2304CN41	N	N	500	1,000	N	70	N	1,000	N
2305CN41	N	300	N	150	V	1,500	500	>2,000	1,500
2306CN42	N	100	300	200	N	500	N	>2,000	1,000
2307CN42	N	30	700	300	N	500	N	>2,000	150
2308CN42	N	N	500	300	N	500	N	>2,000	N
2309CN41	N	N	1,000	500	N	200	N	>2,000	N
2400CN41	N	30	700	150	N	300	N	>2,000	300
2401CN41	N	N	200	200	N	200	N	>2,000	N
2402CN41	N	300	500	300	N	100	N	>2,000	N
2403CN41	N	N	500	300	N	100	N	>2,000	N
2404CN41	N	N	500	50	N	70	N	>2,000	N
2405CN41	N	N	N	50	N	70	N	>2,000	N
2406CN11	N	N	1,000	100	N	500	N	>2,000	150
2407CN11	N	N	200	200	N	300	500	>2,000	300
2408CN11	N	N	500	200	N	500	N	>2,000	N
2409CN11	N	N	500	70	N	500	500	>2,000	N
2410CN11	N	N	700	100	N	700	500	>2,000	150
2411CN11	N	N	1,000	200	N	500	N	>2,000	N
2412CN11	N	N	200	150	N	300	500	>2,000	300
2413CN11	N	N	1,000	200	N	500	N	>2,000	N
2414CN11	N	N	200	150	N	300	500	>2,000	300
2415CN11	N	N	1,000	200	N	200	N	>2,000	N
2416CN11	N	N	300	150	N	500	300	>2,000	N
2417CN11	N	N	500	100	N	500	700	>2,000	150
2418CN11	N	N	700	150	N	500	N	>2,000	N
2419CN11	N	N	1,000	100	N	300	N	>2,000	150
2420CN11	N	N	700	100	N	300	N	>2,000	N
2421CN13	N	30	700	150	N	300	N	>2,000	N
2422CN13	N	N	300	300	N	150	N	>2,000	N
2423CN14	N	20	700	200	N	500	N	>2,000	150
2424CN14	N	N	1,500	70	N	300	N	>2,000	N
2425CN14	N	20	1,500	1,500	N	300	N	>2,000	N
2426CN14	N	300	1,500	300	N	300	N	>2,000	N
2427CN14	N	100	1,000	300	N	200	N	>2,000	N
2428CN14	N	N	700	200	N	200	N	>2,000	N
2429CN14	N	N	5,000	300	N	100	N	1,500	N
2430CN14	N	50	500	200	N	150	N	2,000	N
2431CN14	N	150	700	200	N	300	N	>2,000	N
2432CN14	N	N	700	150	N	200	N	>2,000	N
2433CN14	N	500	700	200	N	200	N	>2,000	N
2434CN41	N	500	<200	70	N	1,000	500	>2,000	1,500
2435CN41	N	500	N	50	N	3,000	700	>2,000	2,000
2436CN41	N	N	500	300	N	150	N	>2,000	N
2437CN41	N	N	1,000	100	N	300	N	>2,000	N
2438CN41	N	N	1,000	300	N	200	N	1,500	N
2439CN41	N	N	500	200	N	100	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FE2	S-MG2	S-CAX	S-TIM	S-MV	S-AG	S-AS	S-B	S-RA
2440CN41	38 19 57	112 17 40	10.00	3.00	5.00	2.000	2.000	N	N	<20	5,000
2441CN41	38 19 57	112 15 2	5.00	.70	3.00	1.500	1.000	N	N	100	>10,000
2442CN41	38 18 53	112 16 6	5.00	1.00	5.00	2.000	1.500	N	N	20	700
2443CN41	38 16 51	112 19 12	3.00	5.00	10.00	300	1.500	N	N	<20	700
2445CN41	38 16 24	112 23 42	3.00	7.00	10.00	1.000	1.500	N	N	20	300
2446CN14	38 32 55	112 15 53	3.00	3.00	7.00	300	>10,000	N	N	<20	>10,000
2447CN44	38 6 30	112 0 55	3.00	7.00	7.00	2.000	1.500	N	N	150	300
2448CN44	38 5 25	112 2 45	1.50	2.00	15.00	>2.000	1.000	N	N	70	1,000
2449CN44	38 0 31	112 2 29	2.00	3.00	5.00	2.000	1.500	N	N	500	200
2450CN44	38 1 7	112 0 28	3.00	5.00	5.00	>2.000	2.000	N	N	300	300
2451CN44	38 2 17	112 2 32	2.00	5.00	5.00	2.000	1.500	N	N	300	500
2452CN44	38 2 22	112 2 1	1.00	3.00	5.00	>2.000	1.000	N	N	300	300
2453CN44	38 2 20	112 2 1	3.00	5.00	7.00	>2.000	1.500	N	N	300	1,000
2454CN44	38 3 24	112 2 51	3.00	3.00	3.00	1.500	1.000	N	N	150	1,000
2455CN44	38 2 40	112 6 16	1.50	3.00	7.00	>2.000	1.500	N	N	500	300
2456CN44	38 4 7	112 0 17	3.00	5.00	5.00	1.500	1.500	N	N	200	700
2457CN44	38 4 59	112 4 49	15.00	7.00	5.00	>2.000	5.000	N	N	70	200
2459CN44	38 4 32	112 8 20	2.00	7.00	10.00	>2.000	3.000	N	N	100	700
2464CN44	38 6 33	112 21 42	3.00	5.00	7.00	1.500	1.500	N	N	200	300
2466CN44	38 7 3	112 14 19	3.00	3.00	5.00	.700	1.500	N	N	70	1,000
2467CN44	38 7 26	112 14 12	5.00	3.00	5.00	1.500	1.500	N	N	200	700
2468CN44	38 7 27	112 14 10	3.00	2.00	5.00	1.000	2.000	N	N	100	1,000
2469CN41	38 15 32	112 18 21	2.00	1.50	5.00	1.500	700	N	N	50	500
2501CN14	38 40 42	112 16 15	5.00	7.00	7.00	2.000	2.000	N	N	50	3,000
2602CN11	38 48 56	112 6 35	.50	10.00	10.00	.500	500	N	N	200	>10,000
2603CN11	38 50 12	112 6 47	.70	2.00	3.00	1.000	300	N	N	500	>10,000
2604CN11	38 50 0	112 3 20	2.00	5.00	15.00	1.000	1.500	N	N	500	10,000
2605CN11	38 50 2	112 3 6	1.50	2.00	7.00	300	200	N	N	300	>10,000
2606CN11	38 51 37	112 5 59	1.00	3.00	3.00	.700	300	N	N	200	>10,000
2607CN11	38 52 0	112 6 45	.30	.30	1.00	.150	500	N	N	30	>10,000
2608CN11	38 52 2	112 10 3	2.00	3.00	10.00	1.500	300	N	N	300	>10,000
2609CN11	38 52 10	112 10 20	.50	10.00	15.00	300	300	N	N	50	>10,000
2610CN11	38 49 54	112 8 49	1.00	5.00	5.00	1.500	500	N	N	300	>10,000
2611CN11	38 45 19	112 8 34	5.00	.50	1.50	1.500	500	N	N	300	>10,000
2612CN11	38 45 24	112 11 40	3.00	1.00	5.00	1.000	700	N	N	300	>10,000
2613CN11	38 47 6	112 14 8	1.00	7.00	10.00	1.500	500	N	N	200	>10,000
2614CN11	38 47 59	112 10 42	.70	5.00	7.00	.700	1.000	N	N	200	>10,000
2615CN11	38 50 20	112 11 4	3.00	.70	3.00	>2.000	1.000	N	N	1,500	10,000
2616CN11	38 53 50	112 11 54	2.00	7.00	10.00	1.500	500	N	N	300	300
2617CN11	38 53 22	112 13 11	5.00	1.00	2.00	>2.000	2.000	N	N	500	1,500
2618CN11	38 54 38	112 10 36	2.00	.70	3.00	>2.000	1.500	N	N	700	3,000
2619CN11	38 54 58	112 0 19	.70	1.00	3.00	>2.000	1.000	N	N	200	>10,000
2620CN11	38 53 52	112 3 16	.70	15.00	15.00	1.500	700	N	N	100	>10,000
2621CN11	38 53 35	112 7 9	.70	5.00	5.00	1.500	200	N	N	300	>10,000
2622CN11	38 55.3	112 4 56	1.50	17.00	10.00	>2.000	500	N	N	500	>10,000

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-RE	S-BI	S-CD	S-CD	S-CR	S-CU	S-LA	S-WO	S-NB	S-NI	S-PB
2447CN41	3.0	N	N	30	500	30	300	N	70	50	200
2441CN41	<2.0	N	N	10	100	15	500	N	50	N	300
2442CN41	2.0	N	N	20	150	30	700	N	50	20	50
2443CN41	2.0	N	N	20	1,000	30	300	N	N	200	20
2445CN41	N	N	N	20	1,000	<10	100	N	<50	100	N
2446CN14	<2.0	N	N	50	100	50	300	N	N	N	100
2447CN44	N	N	N	20	1,000	<10	300	N	70	100	N
2448CN44	N	N	N	N	700	N	700	N	200	20	20
2449CN44	<2.0	N	N	15	500	N	500	N	100	50	N
2450CN44	N	N	N	20	1,000	N	500	N	150	70	50
2451CN44	<2.0	N	N	15	500	<10	500	N	70	50	20
2452CN44	<2.0	N	N	10	700	N	500	N	150	30	N
2453CN44	N	N	N	20	1,000	N	1,000	N	100	70	20
2454CN44	N	N	N	20	500	<10	1,000	N	70	100	20
2455CN44	N	N	N	N	500	N	1,000	N	150	30	N
2456CN44	N	N	N	15	1,000	<7	300	N	70	70	N
2457CN44	N	N	N	70	300	30	500	N	50	50	30
2459CN44	N	N	N	15	1,000	N	500	N	200	50	20
2466CN44	2.0	N	N	20	1,000	<10	200	N	70	100	N
2467CN44	2.0	N	N	20	30	10	100	N	N	N	N
2468CN44	<2.0	N	N	10	100	<7	200	N	50	N	20
2469CN44	2.0	N	N	15	100	<10	150	N	<50	N	20
2469CN41	<2.0	N	N	10	700	<10	300	N	50	20	N
2601CN14	<2.0	N	N	15	1,000	20	500	N	70	200	150
2602CN11	<2.0	N	N	N	<20	N	N	N	<50	N	N
2603CN11	<2.0	N	N	N	20	<10	100	N	50	N	N
2604CN11	3.0	N	N	N	100	20	50	N	N	20	30
2605CN11	<2.0	N	N	N	30	15	100	N	N	N	N
2606CN11	<2.0	N	N	<10	50	<10	70	N	<50	N	N
2607CN11	<2.0	N	N	20	<20	N	N	N	N	N	20
2608CN11	<2.0	N	N	<10	50	<10	50	N	<50	N	20
2609CN11	N	N	N	N	<20	<10	N	N	N	N	N
2610CN11	2.0	N	N	N	30	<10	50	N	<50	10	N
2611CN11	N	N	N	10	30	50	2,000	N	50	N	300
2612CN11	<2.0	N	N	15	30	50	500	20	50	20	100
2613CN11	2.0	N	N	15	20	N	N	N	<50	N	N
2614CN11	<2.0	N	N	10	20	10	N	N	<50	N	N
2615CN11	2.0	N	N	30	100	10	300	N	100	20	70
2616CN11	<2.0	N	N	<10	70	<10	50	N	70	N	30
2617CN11	3.0	N	N	N	150	30	300	N	70	70	300
2618CN11	<2.0	N	N	N	100	N	150	N	100	N	30
2619CN11	N	N	N	N	100	<10	>2,000	N	100	N	700
2620CN11	N	N	N	<10	30	50	N	N	<50	N	20
2621CN11	<2.0	N	N	N	30	N	50	N	50	N	N
2622CN11	N	N	N	10	100	10	N	N	70	N	30

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-Sg	S-SN	S-Sp	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
2447CN41	V	N	1,000	300	N	200	N	>2,000	N
2447CN41	V	N	7,000	150	N	150	N	>2,000	N
2447CN41	V	N	700	200	N	200	N	>2,000	N
2447CN41	V	N	1,000	150	N	150	N	1,500	N
2447CN41	V	N	500	200	N	150	N	>2,000	N
2446CN14	V	N	7,000	500	N	150	N	1,000	N
2447CN44	N	30	500	100	N	300	N	>2,000	N
2448CN44	N	70	500	300	N	700	N	>2,000	150
2447CN44	V	100	500	100	N	500	N	>2,000	300
2447CN44	V	N	300	200	N	300	300	N	200
2451CN44	N	N	500	100	N	300	N	>2,000	150
2452CN44	N	N	200	100	N	500	N	>2,000	200
2453CN44	N	15	500	200	N	500	N	N	300
2454CN44	N	N	500	100	N	200	N	>2,000	300
2455CN44	N	N	200	100	N	500	N	>2,000	200
2456CN44	V	30	500	150	N	300	N	>2,000	150
2457CN44	V	N	200	500	N	150	N	>2,000	N
2459CN44	V	20	300	100	N	500	N	>2,000	150
2464CN44	N	N	300	200	N	200	N	>2,000	N
2465CN44	V	N	1,000	200	N	100	N	2,000	N
2467CN44	N	N	1,000	100	N	200	N	>2,000	N
2468CN44	V	N	1,000	150	N	100	N	>2,000	N
2469CN41	V	N	2,000	70	N	100	N	>2,000	150
2501CN14	V	N	1,500	200	N	300	N	>2,000	N
2502CN11	V	N	500	50	N	100	N	>2,000	N
2507CN11	V	N	3,000	50	N	150	N	>2,000	N
2507CN11	V	N	500	50	N	70	N	>2,000	N
2507CN11	V	N	2,000	70	N	100	N	>2,000	N
2507CN11	V	N	1,000	70	N	150	N	>2,000	N
2507CN11	V	N	300	30	N	70	N	>2,000	N
2511CN11	V	N	1,000	50	N	300	N	>2,000	N
2511CN11	V	100	>10,000	20	N	300	N	>2,000	1,500
2512CN11	N	100	2,000	70	N	150	N	>2,000	150
2513CN11	V	N	500	70	N	300	N	>2,000	N
2513CN11	V	N	1,000	50	N	150	N	>2,000	N
2513CN11	V	N	500	150	N	500	N	>2,000	N
2514CN11	N	N	200	70	N	200	N	>2,000	N
2517CN11	V	N	1,000	150	N	500	N	>2,000	N
2518CN11	V	N	300	100	N	500	300	>2,000	N
2519CN11	V	N	10,000	50	N	500	N	>2,000	2,000
2520CN11	V	N	1,500	70	N	200	N	>2,000	N
2521CN11	V	N	1,500	70	N	200	N	N	N
2522CN11	V	N	3,000	100	N	300	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	LATITUDE	LONGITUDE	S-FEZ	S-WGZ	S-CAZ	S-TTZ	S-WV	S-AG	S-AS	S-B	S-BA
2623CV11	38 56 16	112 6 25	2.00	2.00	3.00	>2.000	700	N	N	1,500	10,000
2624CV11	38 57 53	112 3 10	5.00	2.00	3.00	1.000	1,000	N	N	100	>10,000
2625CV11	38 50 34	112 6 45	1.50	5.00	10.00	>2.000	300	N	N	700	5,000
2626CV11	38 58 38	112 7 57	.70	3.00	5.00	>2.000	300	N	N	1,000	5,000
2627CV11	38 57 16	112 14 48	1.50	.50	1.50	>2.000	500	N	N	1,500	5,000
2628CV11	38 58 3	112 11 45	7.00	5.00	3.00	>2.000	700	N	N	1,000	500
2629CV11	38 54 26	112 18 13	5.00	2.00	2.00	>2.000	1,000	N	N	1,000	7,000
2630CV11	38 45 30	112 24 47	3.00	.70	15.00	1.500	1,000	N	N	150	2,000
2631CV14	38 30 21	112 18 21	5.00	5.00	10.00	2.000	2,000	N	N	70	300
2632CV14	38 40 1	112 19 30	3.00	1.00	7.00	1.500	1,000	N	N	<20	2,000
2633CV16	38 40 17	112 22 10	1.00	.70	10.00	2.000	1,000	N	N	20	1,000
2634CV16	38 37 38	112 20 15	1.50	1.50	10.00	>2.000	2,000	N	N	20	300
2635CV16	38 38 52	112 21 32	3.00	3.00	5.00	>2.000	2,000	N	N	100	300
2636CV16	38 38 57	112 21 38	.70	.30	5.00	2.000	1,000	N	N	30	2,000
2637CV16	38 43 50	112 23 17	5.00	.30	2.00	>2.000	10,000	N	N	1,000	7,000
2801CV12	38 57 20	112 29 44	2.00	5.00	3.00	1.500	1,500	N	N	200	500
2803CV12	38 59 54	112 27 37	3.00	5.00	5.00	1.500	1,500	N	N	500	500
2806CV11	38 47 11	112 23 33	2.00	.30	3.00	>2.000	1,000	N	N	1,000	1,000
2807CV11	38 45 48	112 23 8	3.00	.30	2.00	>2.000	500	N	N	1,500	300
2808CV11	38 45 30	112 21 44	7.00	.50	1.50	>2.000	1,500	N	N	1,000	1,000
2810CV44	38 44 40	112 20 51	2.00	.20	1.50	>2.000	1,000	N	N	1,500	2,000
2811CV44	38 44 36	112 19 35	5.00	.30	1.00	>2.000	1,000	N	N	2,000	10,000
2812CV41	38 40 14	112 21 35	2.00	.20	1.00	>2.000	300	N	N	700	300
2813CV41	38 50 16	112 20 37	5.00	5.00	5.00	1.000	700	N	N	500	1,500
2815CV11	38 50 16	112 19 32	1.50	.50	.20	>2.000	300	N	N	3,000	300
2817CV11	38 56 38	112 15 7	2.00	.50	1.50	>2.000	500	N	N	1,000	2,000
2819CV11	38 57 15	112 15 10	2.00	.20	1.50	>2.000	700	N	N	300	10,000
2820CV11	38 55 34	112 16 13	7.00	.50	.70	>2.000	700	N	N	700	7,000
2822CV11	38 54 25	112 17 32	2.00	.50	1.00	>2.000	1,000	N	N	3,000	300
2824CV14	38 53 40	112 20 12	7.00	2.00	10.00	.300	3,000	N	N	200	>10,000
2828CV44	38 1 24	112 28 10	3.00	7.00	7.00	.300	1,500	N	N	<20	200
2829CV44	38 8 12	112 23 19	7.00	15.00	15.00	.500	2,000	N	N	20	200
2830CV44	38 8 12	112 25 9	2.00	3.00	7.00	1.000	1,000	N	N	150	300
2831CV41	38 20 56	112 23 27	2.00	.70	20.00	>2.000	1,500	500.0	N	20	500
2832CV41	38 20 12	112 23 20	2.00	.50	1.00	2.000	1,000	N	N	200	2,000
2833CV41	38 28 37	112 24 6	7.00	.70	10.00	>2.000	7,000	N	N	50	300
2834CV41	38 28 34	112 24 9	2.00	.70	10.00	>2.000	2,000	N	N	70	200
2837CV41	38 28 57	112 25 43	15.00	.50	1.50	1.500	1,000	N	N	30	1,000
2838CV41	38 20 0	112 25 44	3.00	.50	10.00	>2.000	1,000	N	N	70	1,500
2839CV41	38 20 5	112 25 54	3.00	.30	7.00	>2.000	1,000	200.0	N	70	700
2841CV41	38 20 16	112 8 18	5.00	1.00	1.50	>2.000	1,000	N	N	500	1,000
2844CV41	38 28 55	112 7 20	10.00	.50	1.00	>2.000	1,000	N	N	2,000	>10,000
2845CV41	38 26 30	112 8 32	7.00	.50	1.50	>2.000	1,500	N	N	500	700
2846CV41	38 26 4	112 7 24	7.00	1.00	5.00	2.000	3,000	N	N	30	>10,000
2847CV41	38 24 58	112 8 20	2.00	1.00	7.00	1.500	1,000	N	N	200	700

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE 3U4DRANGLF--continued

Sample	S-RE	S-RI	S-CD	S-CO	S-CR	S-CU	S-LA	S-WO	S-NB	S-NI	S-PB
2623CN11	2.0	N	N	10	100	10	300	N	70	30	70
2624CN11	2.0	N	N	20	70	20	150	7	<50	30	50
2625CN11	3.0	N	N	N	70	N	200	N	70	N	50
2626CN11	2.0	N	N	N	70	N	300	N	70	N	20
2627CN11	N	N	N	N	50	N	150	N	100	N	N
2628CN11	7.0	N	N	N	150	10	200	N	100	30	150
2629CN11	N	N	N	N	500	<10	300	N	100	30	100
2630CN11	2.0	N	N	<10	700	30	700	10	100	70	>50,000
2631CN14	<2.0	N	N	20	200	<10	500	N	70	30	N
2633CN14	N	N	N	10	300	<10	700	N	50	N	20
2634CN14	<2.0	N	N	N	200	<10	1,000	N	100	N	N
2635CN14	<2.0	N	N	10	300	N	1,000	7	100	N	N
2637CN14	N	N	N	N	500	<10	1,000	10	150	30	N
2638CN14	2.0	N	N	N	70	N	500	N	100	N	150
2640CN14	3.0	N	N	150	100	10	500	N	70	100	70
2871CN12	<2.0	N	N	15	150	20	300	N	50	100	150
2873CN12	2.0	N	N	15	200	15	200	N	70	50	30
2806CN11	N	N	N	N	100	15	500	N	150	N	500
2877CN11	<2.0	N	N	N	100	<10	300	N	100	N	100
2808CN11	<2.0	N	N	15	700	10	300	N	50	N	50
2817CN44	<2.0	N	N	N	70	<10	200	N	100	N	50
2811CN44	N	N	N	N	150	<10	100	N	70	N	700
2812CN11	N	N	N	N	150	N	50	N	70	N	N
2814CN11	5.0	N	N	10	70	30	100	N	70	30	1,500
2815CN11	N	N	N	N	70	N	100	N	150	N	50
2817CN11	N	N	N	N	70	N	150	30	100	N	300
2819CN11	3.0	N	N	N	100	<10	1,500	N	100	N	150
2827CN11	N	N	N	10	150	10	200	N	70	N	50
2822CN11	<2.0	N	N	<10	100	N	200	N	100	N	50
2824CN14	<2.0	N	N	10	50	50	300	N	N	N	100
2828CN44	N	N	N	30	1,500	<10	N	N	N	150	N
2829CN44	N	N	N	50	1,500	<10	200	N	N	100	N
2837CN44	<2.0	N	N	15	200	10	100	N	<50	N	300
2831CN41	5.0	N	N	<10	150	20	1,500	200	150	N	3,000
2832CN41	7.0	100	N	N	70	10	300	20	300	N	150
2833CN41	15.0	N	N	15	50	30	1,000	10	100	N	700
2834CN41	7.0	N	N	N	50	10	2,000	10	100	N	300
2837CN41	10.0	N	N	15	100	50	300	20	<50	30	200
2838CN41	10.0	N	N	<10	150	50	500	200	100	N	1,000
2839CN41	7.0	N	N	<10	100	30	700	30	100	N	150
2841CN41	5.0	N	N	10	150	50	200	15	100	N	70
2844CN41	5.0	N	N	10	100	50	200	15	70	N	100
2845CN41	7.0	N	N	10	200	70	500	30	150	N	150
2846CN41	10.0	N	N	1,20	100	50	500	10	<50	N	100
2847CN41	2.0	N	N	1,20	300	20	300	N	70	N	30

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-Sq	S-SV	S-SR	S-V	S-W	S-Y	S-ZN	S-7R	S-TH
2623CV11	N	N	500	150	N	300	500	>2,000	150
2624CV11	N	N	1,500	200	N	150	N	>2,000	N
2625CV11	N	N	300	100	N	500	300	>2,000	N
2626CV11	N	N	1,000	70	N	500	500	>2,000	150
2627CV11	N	N	200	100	N	500	700	>2,000	150
2628CV11	N	N	1,000	150	N	700	N	>2,000	200
2629CV11	N	N	500	150	N	500	500	>2,000	N
2630CV11	N	N	1,000	150	N	500	N	>2,000	300
2631CV14	N	100	700	150	N	300	N	>2,000	N
2633CV14	N	N	1,000	100	N	300	300	>2,000	1,500
2634CV14	N	N	1,500	100	N	300	N	>2,000	N
2635CV14	N	50	1,000	150	N	500	N	>2,000	N
2637CV14	N	50	200	200	N	700	N	>2,000	150
2638CV14	N	500	1,500	100	N	300	N	>2,000	300
2640CV14	N	N	700	200	N	1,000	N	>2,000	300
2801CV12	N	N	700	70	N	100	N	>2,000	300
2803CV12	N	N	500	150	N	200	N	>2,000	N
2805CV11	N	N	300	150	N	700	500	>2,000	200
2807CV11	N	30	300	200	N	500	500	>2,000	200
2808CV11	N	N	200	300	N	500	500	>2,000	150
2810CV44	N	N	200	150	N	700	N	>2,000	200
2811CV44	N	N	500	150	N	1,000	700	>2,000	150
2812CV11	N	N	200	70	N	300	300	>2,000	N
2814CV11	N	N	300	100	N	300	N	>2,000	N
2815CV11	N	N	200	100	N	1,000	700	>2,000	N
2817CV11	N	N	200	150	N	700	700	>2,000	N
2819CV11	N	20	5,000	150	N	500	500	>2,000	700
2820CV11	N	N	200	70	N	500	N	>2,000	N
2822CV11	N	15	100	100	N	500	500	>2,000	150
2824CV14	N	N	5,000	200	N	100	N	>2,000	N
2828CV44	N	N	500	150	N	50	N	1,500	N
2829CV44	N	N	1,000	300	N	100	N	1,000	N
2830CV44	N	N	1,000	100	N	150	N	>2,000	N
2831CV41	N	>2,000	700	200	N	300	N	>2,000	N
2832CV41	N	N	500	100	N	200	N	>2,000	N
2833CV41	N	200	700	150	N	300	N	>2,000	N
2834CV41	N	50	1,000	150	N	500	N	>2,000	150
2837CV41	N	N	500	300	N	100	N	>2,000	N
2838CV41	N	150	1,500	200	70	200	N	>2,000	N
2839CV41	N	1,000	1,000	200	70	300	N	>2,000	N
2841CV41	N	N	1,000	200	N	100	N	>2,000	N
2844CV41	N	1,000	1,000	300	N	70	N	>2,000	N
2845CV41	N	15	1,000	500	70	200	N	>2,000	N
2846CV41	N	N	1,000	300	N	200	N	>2,000	N
2847CV41	N	50	1,500	150	N	300	N	>2,000	N

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FFX	S-MGX	S-CAX	S-TIX	S-WV	S-AG	S-AS	S-3	S-BA
2842CN41	38 23 15	112 10 55	1.50	2.00	2.00	1.500	500	N	N	30	7,000
2851CN41	38 21 30	112 2 31	2.00	2.00	5.00	3.00	1,000	N	N	30	700
2853CN41	38 20 10	112 0 28	2.00	2.00	5.00	7.00	1,000	N	N	70	2,000
2854CN41	38 19 25	112 0 14	1.50	1.00	5.00	1,000	700	1.0	N	100	500
2855CN41	38 18 34	112 0 40	3.00	5.00	7.00	500	1,500	N	N	50	2,000
2856CN44	38 8 18	112 12 12	2.00	7.00	7.00	1.500	1,500	N	N	100	300
2857CN44	38 9 35	112 12 51	3.00	7.00	5.00	1,500	1,500	N	N	100	300
2858CN44	38 11 30	112 10 40	1.00	1.00	3.00	7.00	500	N	N	100	300
2859CN44	38 11 38	112 10 45	3.00	7.00	7.00	1,500	1,500	N	N	200	700
2860CN44	38 11 40	112 10 37	2.00	2.00	5.00	1,500	700	N	N	150	700
2862CN44	38 11 23	112 9 2	2.00	5.00	5.00	1.000	1,500	N	N	200	300
2863CN44	38 11 40	112 8 2	3.00	3.00	10.00	7.00	2,000	N	N	20	700
2864CN44	38 13 27	112 16 41	2.00	5.00	7.00	1,000	1,000	N	N	50	300
2865CN44	38 13 40	112 18 20	2.00	2.00	3.00	3.00	1,000	N	N	20	300
2867CN44	38 12 24	112 18 56	1.50	3.00	5.00	1.000	500	N	N	150	5,000
2868CN44	38 11 30	112 19 19	2.00	3.00	5.00	1.500	1,000	N	N	200	500
2869CN44	38 11 50	112 21 9	3.00	5.00	10.00	1,500	1,000	N	N	70	200
2870CN44	38 12 3	112 21 13	1.50	5.00	7.00	1,000	700	N	N	50	150
2872CN44	38 9 55	112 19 41	2.00	3.00	5.00	1,500	1,000	N	N	200	300
2873CN44	38 9 54	112 19 46	2.00	2.00	10.00	1.000	1,500	N	N	150	700
2874CN44	38 10 0	112 19 34	2.00	2.00	5.00	7.00	1,000	N	N	150	500
2875CN44	38 9 52	112 21 2	1.50	1.50	5.00	2,000	1,000	N	N	100	200
2876CN44	38 8 25	112 18 50	5.00	10.00	7.00	1,500	2,000	N	N	100	500
2877CN44	38 13 52	112 6 58	3.00	2.00	10.00	1,500	1,500	N	700	200	300
2878CN44	38 11 45	112 6 56	2.00	5.00	10.00	2,000	1,500	N	N	20	7,000
2879CN42	38 11 23	112 6 30	1.50	1.50	10.00	1,500	1,500	N	N	150	1,500
2880CN44	38 11 2	112 4 47	7.00	5.00	30.00	2,000	5,000	N	N	70	10,000
2881CN44	38 9 54	112 3 38	2.00	1.50	5.00	500	1,000	N	3,000	70	5,000
2882CN44	38 9 43	112 2 53	2.00	2.00	7.00	500	7,000	N	N	100	>10,000
2883CN44	38 11 18	112 2 27	1.50	2.00	10.00	300	1,500	N	N	50	3,000
2884CN44	38 10 16	112 2 44	1.50	2.00	7.00	500	2,000	N	N	50	>10,000
2885CN44	38 12 53	112 1 50	3.00	3.00	5.00	1,500	1,500	N	N	100	2,000
2887CN44	38 9 28	112 1 27	2.00	5.00	7.00	2,000	1,500	N	N	200	1,500
2888CN44	38 9 27	112 1 29	5.00	10.00	10.00	1,000	2,000	N	N	50	700
2889CN44	38 9 13	112 1 25	2.00	5.00	5.00	1,500	1,500	N	N	200	500
2890CN44	38 12 3	112 4 15	3.00	3.00	10.00	1,500	3,000	N	500	70	700

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

S-REF	S-PB	S-CD	S-CO	S-CP	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
28420044	2.0	N	N	20	<10	300	N	50	N	N
28420044	2.0	N	10	200	15	500	N	N	30	20
28420044	2.0	N	10	100	15	1,000	N	<50	N	50
28420044	2.0	N	<10	150	20	200	N	70	N	>50,000
28420044	2.0	N	20	1,000	30	150	N	N	100	50
28420044	2.0	N	20	700	<10	300	N	50	50	20
28420044	2.0	N	15	200	<10	200	N	50	50	N
28420044	2.0	N	<10	100	10	150	N	50	N	N
28420044	2.0	N	15	700	10	200	N	<50	30	150
28420044	2.0	N	10	500	<10	200	N	50	20	30
28420044	2.0	N	15	200	<10	300	N	50	70	20
28420044	2.0	N	10	300	10	70	N	<50	30	<20
28420044	2.0	N	10	300	50	70	N	50	20	70
28420044	2.0	N	10	300	<10	300	N	70	20	20
28420044	2.0	N	10	150	<10	70	N	50	N	N
28420044	2.0	N	10	150	N	100	N	<50	N	N
28420044	2.0	N	15	300	<10	300	N	70	20	50
28420044	2.0	N	10	200	10	300	N	<50	N	N
28420044	2.0	N	10	150	<10	100	N	<50	N	N
28420044	2.0	N	10	500	<10	200	N	70	30	N
28420044	2.0	N	30	1,000	<10	200	N	50	70	20
28420044	2.0	N	15	200	10	500	N	50	70	20
28420044	2.0	N	10	700	<10	1,000	N	150	20	20
28420044	2.0	N	10	300	<10	700	N	50	20	20
28420044	2.0	N	10	150	<10	700	N	50	20	20
28420044	2.0	N	50	150	30	1,000	N	N	N	70
28420044	2.0	N	<10	70	<10	150	N	<50	N	700
28420044	2.0	N	10	20	10	150	N	<50	N	20
28420044	2.0	N	10	200	10	150	N	N	20	N
28420044	2.0	N	10	150	<10	150	N	<50	N	50
28420044	2.0	N	20	500	30	200	N	50	100	50
28420044	2.0	N	15	1,000	<10	500	N	100	100	500
28420044	2.0	N	30	1,500	20	200	N	50	150	20
28420044	2.0	N	15	700	<10	300	N	70	70	N
28420044	2.0	N	10	500	15	300	N	70	30	30

NONMAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADPANGLF--continued

SAMPLE	S-SS	S-CS	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
28470041	N	N	1,000	150	N	200	N	>2,000	N
28510041	N	N	200	70	N	70	N	>2,000	N
28530041	N	N	2,000	100	N	150	N	>2,000	300
28540041	N	N	1,000	70	N	200	N	>2,000	N
28550041	N	N	1,000	200	N	100	N	>2,000	N
28560041	N	N	200	300	N	200	N	>2,000	300
28570041	N	N	1,000	150	N	200	N	>2,000	N
28580041	N	N	1,500	50	N	100	N	>2,000	N
28590041	N	N	1,000	150	N	200	N	>2,000	N
28600041	N	N	1,500	70	N	200	N	>2,000	N
28610041	N	N	700	100	N	200	N	>2,000	150
28620041	N	N	1,500	100	N	150	N	2,000	N
28630041	N	N	1,000	100	N	150	N	>2,000	200
28640041	N	N	1,000	100	N	70	N	>2,000	N
28650041	N	N	1,000	70	N	150	N	>2,000	N
28660041	N	N	700	100	N	200	N	N	N
28670041	N	N	300	150	N	150	N	>2,000	N
28680041	N	N	200	70	N	100	N	>2,000	N
28690041	N	N	500	100	N	300	N	>2,000	150
28700041	N	N	1,500	150	N	200	N	>2,000	N
28710041	N	N	2,000	100	N	150	N	>2,000	N
28720041	N	N	1,000	100	N	200	N	>2,000	N
28730041	N	N	700	200	N	200	N	>2,000	N
28740041	N	N	1,000	200	N	200	N	>2,000	N
28750041	N	N	1,000	200	N	200	N	>2,000	N
28760041	N	N	1,000	200	N	200	N	>2,000	N
28770041	N	N	1,000	200	N	300	N	>2,000	N
28780041	N	N	700	500	N	500	N	>2,000	N
28790041	N	N	1,000	300	N	200	N	>2,000	N
28800041	N	N	1,000	200	N	300	N	>2,000	N
28810041	N	N	2,000	70	N	100	N	>2,000	N
28820041	N	N	1,500	100	N	150	N	2,000	N
28830041	N	N	1,500	50	N	70	N	>2,000	N
28840041	N	N	2,000	100	N	150	N	>2,000	N
28850041	N	N	1,500	200	N	150	N	>2,000	N
28860041	N	N	700	150	N	500	N	>2,000	N
28870041	N	N	1,000	300	N	150	N	1,500	N
28880041	N	N	700	150	N	300	N	>2,000	N
28890041	N	N	1,000	200	N	300	N	>2,000	N

TABLE 2. MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0001CM31	38 22 5	113 6 11	30	1.50	3.00	.50	7,000	1-5	2,000	150	1,500
0004CM24	38 44 17	113 3 19	30	5.00	2.00	>2.00	3,000	N	N	>5,000	700
0005CM24	38 42 36	113 4 13	30	5.00	5.00	>2.00	>10,000	N	2,000	70	10,000
0006CM24	38 41 32	113 6 40	30	1.50	1.50	>2.00	5,000	N	N	200	700
0007CM24	38 39 6	113 7 24	30	3.00	2.00	>2.00	3,000	N	N	700	500
0008CM24	38 40 32	113 8 1	50	1.50	1.00	>2.00	2,000	N	N	150	300
0009CM24	38 39 34	113 9 32	30	1.50	1.00	1.50	>10,000	N	N	200	1,500
0010CM24	38 37 46	113 8 38	30	.50	1.00	2.00	5,000	N	N	150	700
0011CM24	38 38 3	113 14 11	30	1.00	1.50	>2.00	7,000	N	N	200	1,500
0012CM24	38 38 28	113 14 27	30	5.00	2.00	>2.00	>10,000	N	N	1,000	5,000
0013CM24	38 37 27	113 15 50	30	2.00	1.00	>2.00	5,000	N	N	200	1,000
0014CM24	38 37 25	113 15 49	30	2.00	1.50	>2.00	5,000	N	N	500	700
0015CM24	38 37 26	113 15 52	30	1.50	1.50	>2.00	5,000	N	N	300	700
0017CM24	38 35 26	113 16 36	30	.70	1.00	1.00	10,000	N	N	150	1,000
0018CM24	38 33 43	113 17 33	30	3.00	3.00	>2.00	10,000	N	N	100	1,500
0019CM24	38 32 56	113 17 28	50	2.00	1.50	>2.00	10,000	N	N	100	1,500
0020CM31	38 24 40	113 19 3	15	7.00	7.00	1.50	5,000	N	N	20	300
0021CM31	38 23 1	113 17 45	30	2.00	1.50	>2.00	>10,000	N	N	20	1,500
0022CM31	38 24 54	113 15 18	30	5.00	5.00	>2.00	7,000	N	N	20	500
0023CM31	38 17 32	113 19 44	30	5.00	5.00	>2.00	10,000	N	N	30	2,000
0024CM31	38 16 32	113 19 34	30	7.00	2.00	>2.00	5,000	N	N	20	500
0025CM31	38 15 52	113 18 51	30	5.00	5.00	>2.00	10,000	N	N	30	500
0026CM31	38 20 23	113 25 57	20	7.00	10.00	2.00	10,000	N	N	30	1,500
0027CM31	38 21 53	113 28 4	20	10.00	10.00	1.00	7,000	N	N	<20	300
0028CM31	38 15 25	113 28 33	20	7.00	10.00	2.00	7,000	N	N	30	1,000
0029CM32	38 17 29	113 32 57	30	1.50	1.50	>2.00	5,000	N	700	30	500
0030CM32	38 17 34	113 32 48	30	3.00	2.00	>2.00	5,000	N	1,000	20	500
0031CM33	38 1 14	113 59 47	30	.15	.50	>2.00	>10,000	N	N	20	500
0032CM33	38 1 10	113 59 2	30	.50	.50	>2.00	>10,000	N	N	50	700
0033CM33	38 2 30	113 59 45	30	5.00	2.00	>2.00	3,000	N	N	20	1,000
0034CM33	38 0 16	113 49 17	50	5.00	2.00	>2.00	>10,000	N	N	20	1,500
0035CM33	38 3 14	113 47 7	30	.50	1.00	1.50	2,000	N	N	<20	150
0036CM33	38 2 17	113 45 47	30	.50	1.50	>2.00	>10,000	N	N	20	300
0037CM33	38 2 17	113 45 47	30	.70	1.50	2.00	10,000	N	N	20	100
0038CM33	38 2 16	113 45 39	50	.20	1.00	>2.00	10,000	N	N	20	300
0039CM33	38 3 22	113 49 40	30	2.00	2.00	>2.00	1,500	N	N	20	700
0040CM33	38 3 22	113 49 21	30	.70	1.00	>2.00	5,000	N	N	30	150
0041CM33	38 3 25	113 47 25	30	.50	1.50	1.00	1,500	N	N	<20	150
0042CM33	38 1 52	113 47 5	50	.50	1.00	>2.00	3,000	N	N	20	500
0043CM33	38 1 20	113 46 9	30	3.00	2.00	2.00	10,000	N	N	20	500
0044CM33	38 3 53	113 47 6	30	1.00	1.50	2.00	5,000	N	N	20	200
0045CM33	38 3 56	113 47 13	30	.70	1.00	1.00	1,500	3.0	500	<20	500
0046CM33	38 3 48	113 47 8	50	.70	2.00	2.00	2,000	N	N	<20	200
0047CM33	38 4 48	113 47 24	30	.70	1.00	>2.00	3,000	N	N	20	500
0048CM33	38 6 23	113 45 32	50	1.50	1.00	>2.00	>10,000	N	N	20	3,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE

sample	S-BE	S-BI	S-CD	S-CC	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
00010M31	10.0	N	N	200	200	500	50	70	N	150	1,500
00040M24	5.0	N	N	100	700	50	300	7	<50	100	150
00050M24	10.0	N	N	300	500	70	200	70	<50	200	200
00060M24	2.0	N	N	70	700	50	300	10	70	70	150
00070M24	3.0	N	N	70	700	50	300	N	70	70	200
00080M24	<2.0	N	N	30	300	15	100	N	70	50	100
00090M24	5.0	N	N	150	300	100	100	7	<50	150	200
00100M24	10.0	N	N	100	100	100	100	7	<50	150	100
00110M24	3.0	N	N	100	700	30	>2,000	7	70	70	300
00120M24	2.0	N	N	150	700	70	300	7	50	100	500
00130M24	7.0	N	N	150	500	70	700	10	50	100	200
00140M24	5.0	N	N	70	700	50	700	N	50	100	150
00150M24	7.0	N	N	100	300	50	300	N	50	100	200
00170M24	15.0	N	N	200	150	300	100	N	<50	200	300
00180M24	5.0	N	N	150	1,000	50	200	N	<50	200	150
00190M24	<2.0	N	N	100	500	100	200	N	<50	100	100
00200M31	N	N	N	70	1,000	100	<50	N	<50	100	20
00210M31	<2.0	N	N	150	300	150	500	7	70	150	200
00220M31	N	N	N	100	500	150	150	7	50	100	70
00230M31	2.0	N	N	150	1,000	50	300	10	50	150	150
00240M31	N	N	N	150	3,000	50	150	N	<50	500	30
00250M31	<2.0	N	N	100	500	300	300	7	<50	100	50
00260M31	<2.0	N	N	100	1,000	70	700	7	<50	150	100
00270M31	N	N	N	70	1,000	20	100	N	N	150	20
00280M31	<2.0	N	N	70	700	10	2,000	30	100	150	150
00290M32	<2.0	N	N	150	1,500	100	300	50	50	200	200
00300M32	<2.0	N	N	150	1,000	100	500	50	<50	150	500
00310M33	10.0	15	N	30	200	20	500	30	500	70	1,500
00320M33	7.0	N	N	70	300	50	300	30	500	70	300
00330M33	<2.0	N	N	100	300	100	700	N	50	70	100
00340M33	<2.0	N	N	150	1,000	200	500	N	<50	200	100
00350M33	<2.0	N	N	70	200	70	300	10	70	30	200
00360M33	10.0	N	N	N	50	20	2,000	70	150	10	100
00370M33	7.0	N	N	N	50	50	2,000	100	300	10	70
00380M33	5.0	N	N	70	300	70	>2,000	50	150	70	300
00390M33	<2.0	N	N	70	300	50	100	20	50	70	150
00400M33	<2.0	N	N	100	500	70	150	N	<50	70	200
00410M33	<2.0	N	N	70	500	20	300	7	<50	70	150
00420M33	<2.0	N	N	150	500	70	200	N	<50	100	150
00430M33	5.0	N	N	30	100	50	2,000	50	200	15	150
00440M33	2.0	N	N	100	500	50	1,000	30	300	70	100
00450M33	5.0	N	N	50	200	200	150	100	<50	50	1,000
00460M33	<2.0	N	N	70	300	30	1,000	7	50	70	200
00470M33	5.0	N	N	100	200	100	500	150	50	70	1,000
00480M33	<2.0	N	N	100	1,000	100	300	20	150	100	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
00010M31	N	N	300	300	N	70.0	700	100	N
00040M24	N	N	200	700	N	150.0	N	2,000	N
00050M24	N	N	200	1,500	N	100.0	1,000	200	N
00060M24	N	N	<200	1,000	N	200.0	N	300	N
00070M24	N	N	500	700	N	300.0	N	1,000	N
00080M24	N	N	500	500	N	150.0	N	300	N
00090M24	N	N	200	500	N	150.0	500	500	N
00100M24	N	N	N	200	N	70.0	1,000	150	N
00110M24	N	N	200	500	N	300.0	N	500	150
00120M24	N	N	200	1,500	N	200.0	N	700	N
00130M24	N	N	500	700	N	150.0	N	1,500	N
00140M24	N	N	200	700	N	300.0	N	1,500	N
00150M24	N	N	200	700	N	150.0	N	1,000	N
00170M24	N	N	200	300	N	300.0	500	200	N
00180M24	N	N	200	700	N	150.0	500	1,000	N
00190M24	N	N	<200	2,000	N	100.0	500	200	N
00200M31	N	N	N	500	N	70.0	N	200	N
00210M31	N	N	<200	1,000	N	150.0	700	1,500	N
00220M31	N	N	N	500	N	70.0	500	300	N
00230M31	N	N	200	1,000	N	150.0	500	300	N
00240M31	N	N	<200	1,000	N	50.0	700	300	N
00250M31	N	N	200	1,000	N	70.0	500	150	N
00260M31	N	N	<200	500	N	150.0	N	300	N
00270M31	N	N	N	500	N	100.0	N	100	N
00280M31	N	50	<200	300	N	300.0	N	1,000	N
00290M32	N	N	N	2,000	N	150.0	1,000	1,500	N
00300M32	N	N	N	1,500	N	100.0	500	1,000	N
00310M33	N	N	N	500	N	700.0	1,500	700	N
00320M33	N	300	N	700	N	700.0	1,500	1,000	N
00330M33	N	N	300	500	N	100.0	N	1,000	N
00340M33	N	N	<200	1,000	N	100.0	1,000	700	N
00350M33	N	N	N	700	N	70.0	N	700	N
00360M33	N	100	N	150	N	500.0	2,000	2,000	200
00370M33	N	50	N	100	N	500.0	1,500	>2,000	300
00380M33	N	50	N	300	N	700.0	1,500	2,000	300
00390M33	N	N	N	1,000	N	100.0	N	1,000	N
00400M33	N	N	N	1,500	N	70.0	N	1,500	N
00410M33	N	N	N	1,000	N	70.0	N	500	N
00420M33	N	N	N	1,500	N	50.0	500	500	N
00430M33	N	30	N	150	N	500.0	1,500	2,000	200
00440M33	N	150	N	500	N	200.0	1,000	1,000	150
00450M33	N	N	500	500	N	700.0	500	500	N
00460M33	N	N	N	2,000	N	100.0	N	2,000	N
00470M33	N	N	300	1,000	N	150.0	700	500	N
00480M33	N	N	N	1,500	N	500.0	1,000	2,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0049CM33	38 6 47	113 32 37	30	1.00	2.00	>2.00	3,000	N	N	20	300
0050CM33	38 9 21	113 53 50	30	1.50	1.00	>2.00	3,000	N	N	50	700
0051CM33	38 9 24	113 53 55	50	1.50	1.50	2.00	2,000	N	N	<20	300
0052CM33	38 11 6	113 54 54	30	5.00	5.00	2.00	5,000	N	N	<20	500
0053CM33	38 13 22	113 54 8	30	5.00	7.00	1.50	3,000	N	N	<20	200
0054CM33	38 13 2	113 53 11	30	5.00	7.00	>2.00	5,000	N	N	70	500
0055CM33	38 13 47	113 50 50	30	3.00	2.00	>2.00	3,000	N	N	20	500
0056CM32	38 19 20	113 58 12	30	5.00	5.00	>2.00	10,000	N	N	50	1,000
0057CM32	38 20 34	113 58 41	30	2.00	3.00	1.00	10,000	N	300	50	2,000
0058CM32	38 21 37	113 57 13	30	1.50	2.00	>2.00	5,000	N	N	<20	300
0059CM32	38 21 48	113 55 54	30	5.00	7.00	2.00	5,000	N	N	20	200
0060CM32	38 21 42	113 53 28	15	5.00	5.00	1.50	3,000	N	N	20	300
0061CM32	38 23 47	113 59 16	20	7.00	10.00	1.00	5,000	N	N	<20	1,000
0062CM32	38 23 40	113 59 17	15	7.00	10.00	1.50	7,000	N	N	20	1,000
0063CM32	38 24 49	113 56 40	20	7.00	10.00	1.50	5,000	N	N	<20	700
0064CM32	38 26 56	113 54 29	30	10.00	10.00	1.50	10,000	N	N	20	1,000
0065CM32	38 28 1	113 55 2	20	7.00	7.00	1.00	5,000	N	N	50	500
0066CM32	38 29 32	113 55 10	30	5.00	5.00	2.00	3,000	N	N	<20	150
0067CM32	38 27 56	113 58 36	30	5.00	5.00	1.00	3,000	N	N	70	700
0068CM32	38 28 40	113 59 2	20	7.00	10.00	1.00	7,000	N	N	<20	1,000
0069CM42	38 12 2	112 55 33	30	5.00	7.00	.50	1,500	2.0	500	30	700
0070CM42	38 17 39	112 56 17	50	3.00	7.00	2.00	2,000	10.0	300	20	200
0071CM42	38 16 50	112 55 20	30	3.00	7.00	.70	1,500	2.0	1,000	30	300
0072CM42	38 18 28	112 53 8	30	2.00	7.00	>2.00	3,000	1.5	N	70	300
0073CM42	38 18 38	112 56 4	20	2.00	7.00	>2.00	3,000	N	N	<20	300
0074CM42	38 19 59	112 54 42	20	7.00	7.00	>2.00	3,000	N	N	<20	200
0075CM12	38 45 7	112 57 14	20	5.00	5.00	>2.00	5,000	N	N	50	300
0076CM12	38 46 4	112 58 51	20	5.00	5.00	1.00	7,000	N	N	70	1,000
0077CM12	38 46 41	112 57 51	30	5.00	5.00	>2.00	5,000	N	N	30	300
0078CM12	38 48 7	112 57 35	30	5.00	3.00	>2.00	7,000	N	N	100	1,000
0079CM12	38 51 43	112 55 45	50	2.00	2.00	1.00	700	N	300	100	700
0080CM12	38 51 52	112 54 4	30	5.00	5.00	>2.00	5,000	N	N	70	500
0081CM12	38 49 47	112 57 6	30	5.00	5.00	>2.00	5,000	N	N	50	500
0082CM12	38 50 4	112 57 37	20	7.00	5.00	>2.00	5,000	N	N	50	500
0083CM12	38 51 52	112 58 37	30	5.00	5.00	2.00	7,000	N	N	150	700
0084CM12	38 49 49	112 59 1	30	5.00	5.00	2.00	7,000	N	N	150	700
0085CM12	38 49 43	112 59 1	30	1.50	1.50	>2.00	7,000	N	1,500	30	1,500
0086CM12	38 49 44	112 59 2	30	1.50	1.50	1.00	10,000	N	N	70	700
0087CM12	38 49 3	112 59 8	30	3.00	2.00	1.00	10,000	N	N	50	1,000
0088CM21	38 46 12	113 0 53	30	2.00	1.50	>2.00	7,000	N	N	200	2,000
0089CM21	38 46 16	113 2 24	30	2.00	1.50	2.00	5,000	N	N	1,000	700
0090CM23	38 43 57	113 37 17	30	7.00	3.00	>2.00	7,000	N	N	20	300
0091CM23	38 43 20	113 34 40	30	5.00	5.00	>2.00	3,000	N	N	30	300
0092CM23	38 42 36	113 37 5	30	3.00	3.00	>2.00	3,000	N	N	20	300
0093CM23	38 41 20	113 34 52	30	5.00	2.00	>2.00	7,000	N	N	20	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0049CM33	<2.0	N	N	100	500	50	500	7	<50	100	200
0050CM33	<2.0	N	N	100	1,000	70	200	15	<50	100	300
0051CM33	<2.0	N	N	100	700	100	150	7	<50	100	150
0052CM33	N	N	N	70	500	100	300	N	<50	100	100
0053CM33	N	N	N	70	500	20	70	N	<50	100	20
0054CM33	<2.0	N	N	100	500	30	300	7	<50	50	200
0055CM33	<2.0	N	N	150	500	30	150	N	<50	150	150
0056CM32	5.0	N	N	70	200	100	700	20	50	70	500
0057CM32	7.0	N	N	300	200	300	300	50	<50	300	500
0058CM32	N	N	N	70	500	100	1,000	20	50	70	100
0059CM32	N	N	N	70	300	20	2,000	7	70	70	100
0060CM32	<2.0	N	N	70	100	10	2,000	7	70	50	20
0061CM32	2.0	N	N	50	150	50	1,000	10	<50	70	50
0062CM32	<2.0	N	N	50	150	15	500	20	<50	70	50
0063CM32	<2.0	N	N	50	150	<10	1,000	N	50	70	20
0064CM32	N	N	N	100	200	10	500	N	<50	100	20
0065CM32	<2.0	N	N	100	200	10	700	10	<50	70	<20
0066CM32	N	N	N	70	1,000	100	100	20	<50	100	20
0067CM32	2.0	N	N	70	300	30	300	50	<50	200	150
0068CM32	<2.0	N	N	70	150	20	1,500	10	<50	70	70
0069CM42	3.0	20	N	150	200	500	150	70	<50	200	1,000
0070CM42	3.0	50	N	200	150	500	700	30	70	150	1,000
0071CM42	3.0	20	N	300	200	300	50	70	N	300	500
0072CM42	5.0	N	N	150	700	500	1,000	50	100	150	500
0073CM42	<2.0	N	N	70	30	500	1,000	30	50	70	500
0074CM42	<2.0	N	N	70	300	70	1,500	10	50	100	50
0075CM12	N	N	N	100	700	70	700	N	50	100	50
0076CM12	5.0	N	N	150	500	150	70	30	<50	150	150
0078CM12	<2.0	N	N	100	1,000	70	500	10	50	150	100
0079CM12	3.0	N	N	100	500	100	300	15	<50	200	300
0080CM12	7.0	N	N	200	300	1,000	300	10	N	300	700
0081CM12	5.0	N	N	100	700	200	200	10	50	100	150
0082CM12	2.0	N	N	100	500	200	300	15	50	150	150
0083CM12	2.0	N	N	100	500	100	500	10	<50	150	300
0084CM12	5.0	N	N	150	500	70	500	10	<50	150	300
0085CM12	7.0	N	N	200	700	200	500	10	50	200	500
0086CM12	5.0	N	N	150	1,000	150	300	20	<50	200	300
0087CM12	7.0	N	N	200	500	300	300	10	<50	200	300
0088CM12	7.0	N	N	150	500	100	500	15	<50	150	300
0089CM21	7.0	N	N	100	500	200	200	7	50	150	500
0090CM21	7.0	N	N	100	500	50	300	N	<50	150	200
0091CM23	N	N	N	100	500	20	1,500	N	70	70	100
0092CM23	<2.0	N	N	100	300	100	1,000	30	70	100	200
0093CM23	<2.0	N	N	100	500	50	1,500	10	70	70	300
0094CM23	2.0	N	N	70	300	20	1,500	20	70	70	100

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0045CM33	N	N	200	1,500	N	150.0	N	2,000	N
0050CM33	N	N	<200	1,000	N	50.0	N	1,000	N
0051CM33	N	N	N	1,500	N	70.0	N	500	N
0052CM33	N	N	N	1,000	N	100.0	N	700	N
0053CM33	N	N	N	1,000	N	100.0	N	1,000	N
0054CM33	N	N	500	1,000	N	150.0	N	2,000	N
0055CM33	N	N	<200	1,500	N	100.0	300	500	N
0056CM33	N	N	200	1,000	N	200.0	N	500	N
0057CM32	N	N	N	700	N	50.0	700	500	N
0058CM32	N	N	N	1,000	N	150.0	N	700	N
0059CM32	N	N	N	700	N	150.0	N	300	N
0060CM32	N	N	N	500	N	300.0	N	200	150
0061CM32	N	N	<200	300	N	150.0	N	300	150
0062CM32	N	N	<200	700	N	150.0	N	1,000	N
0063CM32	N	N	N	700	N	200.0	N	500	N
0064CM32	N	N	<200	1,000	N	200.0	300	500	N
0065CM32	N	N	<200	1,000	N	100.0	N	1,000	N
0066CM32	N	N	N	700	N	100.0	500	1,000	N
0067CM32	N	N	N	500	N	200.0	N	500	N
0068CM42	N	N	200	700	N	70.0	1,500	150	N
0069CM42	N	N	200	700	N	100.0	1,500	150	N
0070CM42	N	N	<200	700	N	100.0	2,000	100	N
0071CM42	N	70	N	300	N	200.0	N	1,000	N
0072CM42	N	1	500	500	N	200.0	N	200	N
0073CM42	N	N	200	500	N	150.0	N	500	N
0074CM42	N	N	<200	700	N	100.0	300	300	N
0075CM42	N	N	<200	700	N	100.0	N	150	N
0076CM42	N	N	<200	1,000	N	70.0	500	200	N
0077CM42	N	N	<200	700	N	70.0	500	300	N
0078CM42	N	N	<200	700	N	100.0	500	200	N
0079CM42	N	N	<200	700	N	70.0	500	300	N
0080CM42	N	N	N	700	N	70.0	N	100	N
0081CM42	N	30	N	700	N	200.0	700	300	N
0082CM42	N	N	<200	700	N	70.0	500	300	N
0083CM42	N	N	<200	700	N	200.0	500	300	N
0084CM42	N	N	<200	700	N	100.0	700	200	N
0085CM42	N	N	<200	700	N	100.0	500	200	N
0086CM42	N	N	200	1,000	N	70.0	1,500	300	N
0087CM42	N	N	<200	500	N	70.0	1,500	200	N
0088CM42	N	N	<200	500	N	100.0	1,000	200	N
0089CM42	N	N	<200	500	N	500.0	N	1,500	N
0090CM42	N	N	<200	700	N	100.0	500	200	N
0091CM42	N	N	200	1,000	N	70.0	1,500	300	N
0092CM42	N	N	<200	500	N	70.0	1,500	200	N
0093CM42	N	N	<200	500	N	100.0	1,000	200	N
0094CM42	N	N	<200	500	N	500.0	N	1,500	N
0095CM42	N	N	<200	500	N	150.0	500	300	N
0096CM42	N	N	<200	1,000	N	200.0	700	200	N
0097CM42	N	N	N	1,000	N	200.0	500	200	N
0098CM42	N	N	<200	1,000	N	200.0	500	200	N
0099CM42	N	N	<200	700	N	200.0	700	300	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE ---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-B	S-BA
0095CM23	38 40 2	113 36 23	30	3.00	2.00	>2.00	5,000	N	N	30	300
0096CM23	38 38 24	113 35 49	30	3.00	2.00	>2.00	5,000	N	N	30	500
0097CM23	38 36 30	113 36 9	30	5.00	5.00	1.50	3,000	N	N	50	300
0098CM23	38 34 43	113 34 33	30	5.00	3.00	>2.00	7,000	N	N	50	700
0099CM23	38 37 12	113 32 2	30	5.00	5.00	>2.00	7,000	N	N	50	700
0100CM23	38 35 21	113 31 30	30	7.00	5.00	>2.00	7,000	N	N	20	500
0101CM23	38 34 19	113 30 50	30	7.00	5.00	>2.00	>10,000	N	N	20	3,000
0102CM23	38 31 0	113 30 46	20	7.00	5.00	>2.00	10,000	N	N	20	2,000
0103CM23	38 32 46	113 36 21	30	7.00	5.00	>2.00	7,000	N	N	30	300
0104CM32	38 29 30	113 31 21	30	5.00	5.00	>2.00	10,000	N	N	30	2,000
0105CM31	38 17 39	113 17 42	50	.70	1.50	>2.00	7,000	N	N	30	500
0106CM31	38 17 42	113 17 42	30	1.00	1.00	>2.00	5,000	N	N	20	500
0107CM31	38 17 39	113 17 45	30	2.00	2.00	.70	10,000	N	N	50	1,500
0108CM31	38 26 33	113 17 26	50	1.50	1.50	.30	10,000	N	3,000	70	1,500
0109CM31	38 29 3	113 18 23	20	7.00	5.00	>2.00	5,000	1.0	N	150	700
0110CM24	38 31 23	113 8 1	30	7.00	10.00	>2.00	3,000	N	N	150	500
0111CM24	38 33 8	113 12 59	30	7.00	7.00	>2.00	5,000	N	N	70	1,500
0112CM24	38 33 7	113 13 2	30	7.00	7.00	>2.00	7,000	N	N	50	1,000
0113CM24	38 33 11	113 12 55	20	7.00	7.00	2.00	10,000	N	N	20	2,000
0114CM21	38 47 26	113 2 22	30	1.50	1.50	.70	10,000	N	N	300	1,000
0115CM21	38 54 38	113 1 2	30	5.00	3.00	>2.00	5,000	N	N	5,000	700
0116CM12	38 59 1	112 57 43	30	1.50	1.50	1.00	>10,000	N	700	150	2,000
0117CM23	38 42 50	113 58 18	30	7.00	5.00	>2.00	5,000	N	N	50	500
0118CM23	38 41 21	113 59 3	30	5.00	3.00	>2.00	5,000	N	N	200	300
0119CM23	38 39 54	113 59 30	30	2.00	5.00	1.00	5,000	N	N	100	500
0120CM23	38 44 21	113 55 43	30	5.00	5.00	>2.00	5,000	N	N	100	300
0121CM23	38 41 43	113 57 11	30	5.00	5.00	>2.00	5,000	N	N	700	300
0122CM23	38 41 48	113 55 58	30	5.00	3.00	1.50	5,000	N	700	50	300
0123CM23	38 40 1	113 55 19	30	5.00	5.00	2.00	7,000	N	N	50	300
0124CM23	38 37 59	113 54 49	30	5.00	7.00	1.50	3,000	N	300	20	200
0125CM23	38 36 36	113 56 33	20	2.00	3.00	1.00	3,000	N	N	100	300
0126CM23	38 35 15	113 57 17	30	5.00	5.00	1.50	5,000	N	N	50	300
0127CM23	38 34 18	113 57 33	30	7.00	5.00	1.50	5,000	1.5	N	100	500
0128CM23	38 33 5	113 57 24	20	3.00	5.00	1.00	7,000	1.0	N	150	700
0129CM23	38 34 22	113 50 18	30	5.00	10.00	1.50	7,000	N	N	<20	1,000
0130CM23	38 33 17	113 51 15	30	5.00	5.00	>2.00	7,000	N	N	20	500
0131CM23	38 31 13	113 53 18	20	5.00	7.00	1.50	2,000	.7	N	<20	200
0132CM23	38 31 17	113 53 20	30	5.00	10.00	2.00	3,000	N	N	20	200
0133CM23	38 31 18	113 53 18	30	7.00	5.00	2.00	3,000	N	N	<20	150
0134CM23	38 32 21	113 53 28	30	5.00	5.00	2.00	5,000	N	N	20	500
0142CM23	38 31 14	113 56 51	30	3.00	5.00	2.00	500	1.0	N	70	500
0143CM23	38 30 37	113 59 52	30	7.00	7.00	2.00	5,000	N	N	50	700
0145CM23	38 32 23	113 59 57	20	3.00	5.00	>2.00	3,000	1.0	N	50	300
0146CM23	38 38 4	113 49 7	30	5.00	5.00	2.00	10,000	N	N	50	3,000
0147CM23	38 39 24	113 48 28	30	5.00	5.00	1.50	10,000	N	N	30	700

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0095CM23	2.0	N	N	100	500	30	1,500	15	50	100	150
0096CM23	3.0	N	N	100	500	50	1,000	10	<50	100	200
0097CM23	5.0	N	N	100	500	70	700	20	<50	150	200
0098CM23	3.0	N	N	150	300	50	700	15	50	100	200
0099CM23	5.0	N	N	100	300	150	500	20	50	150	200
0100CM23	<2.0	N	N	100	500	20	2,000	N	<50	70	70
0101CM23	N	N	N	150	1,000	100	700	7	<50	150	150
0102CM23	<2.0	N	N	100	1,000	100	100	10	<50	150	50
0103CM23	<2.0	N	N	70	300	70	1,000	15	50	100	150
0104CM32	2.0	N	N	150	1,000	100	1,000	7	70	100	300
0105CM31	<2.0	N	N	200	2,000	100	100	7	<50	150	100
0106CM31	<2.0	N	N	150	1,500	300	50	N	<50	150	100
0107CM31	7.0	N	N	200	1,000	100	300	15	<50	200	300
0108CM31	10.0	N	N	150	100	200	<50	70	N	200	2,000
0109CM31	<2.0	N	N	200	100	500	300	20	50	100	150
0110CM24	<2.0	N	N	150	700	150	300	20	<50	100	1,000
0111CM24	<2.0	N	N	100	700	50	1,500	10	N	150	100
0112CM24	<2.0	N	N	100	1,000	100	1,500	N	<50	150	150
0113CM24	N	N	N	100	1,000	100	500	N	<50	100	100
0114CM21	7.0	N	N	100	200	50	150	7	<50	100	200
0115CM21	3.0	N	N	150	500	50	700	7	50	100	150
0116CM12	10.0	N	N	100	700	100	100	10	<50	150	300
0117CM23	<2.0	N	N	100	1,000	150	1,000	70	50	200	150
0118CM23	2.0	N	N	100	700	100	700	100	<50	200	150
0119CM23	2.0	N	N	100	200	200	500	70	<50	300	200
0120CM23	2.0	N	N	150	700	150	500	70	50	200	150
0121CM23	<2.0	N	N	100	5,000	100	700	100	70	200	150
0122CM23	N	N	N	150	700	200	1,000	70	<50	500	200
0123CM23	<2.0	N	N	70	300	100	500	100	50	150	150
0124CM23	<2.0	N	N	70	200	100	500	15	50	100	70
0126CM23	2.0	N	50	100	150	70	500	50	<50	150	150
0127CM23	2.0	N	N	100	500	150	700	50	50	150	200
0128CM23	2.0	N	N	70	300	150	700	50	<50	300	200
0129CM23	<2.0	N	N	150	1,000	100	500	100	<50	700	100
0131CM23	N	N	N	70	200	70	200	10	<50	100	70
0132CM23	N	N	N	70	300	20	>2,000	N	N	70	70
0134CM23	N	N	N	70	300	50	300	7	<50	100	20
0135CM23	N	N	N	70	1,000	100	300	15	<30	150	20
0136CM23	N	N	N	70	700	100	300	10	<50	150	30
0137CM23	N	N	N	100	700	100	200	7	<50	100	50
0142CM23	<2.0	N	N	100	1,000	500	1,000	50	50	500	300
0143CM23	<2.0	N	N	100	700	100	1,000	20	<50	150	150
0145CM23	<2.0	N	N	100	300	100	500	50	<50	200	200
0146CM23	2.0	N	N	150	500	500	700	15	50	150	500
0147CM23	<2.0	N	N	200	300	200	200	20	<50	200	1,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0095CM23	N	N	<200	1,000	N	200.0	700	200	N
0096CM23	N	N	<200	1,000	N	150.0	500	500	N
0097CM23	N	N	200	500	N	100.0	500	500	N
0098CM23	N	N	N	500	N	150.0	N	500	N
0099CM23	N	N	N	700	N	200.0	500	300	N
0100CM23	N	N	200	1,000	N	150.0	N	200	N
0101CM23	N	N	200	500	N	150.0	300	300	N
0102CM23	N	50	300	700	N	70.0	500	200	N
0103CM23	N	N	<200	700	N	200.0	700	500	N
0104CM32	N	N	<200	1,000	N	150.0	500	500	N
0105CM31	N	N	N	1,500	N	70.0	1,000	300	N
0106CM31	N	N	N	1,500	N	70.0	1,000	300	N
0107CM31	N	N	<200	700	N	100.0	700	500	N
0108CM31	500	N	200	700	150	30.0	2,000	70	N
0109CM31	N	N	<200	700	N	200.0	500	150	N
0110CM24	N	N	<200	700	N	150.0	N	2,000	N
0111CM24	N	N	300	700	N	150.0	N	150	N
0112CM24	N	N	200	700	N	200.0	N	200	150
0113CM24	N	N	300	700	N	100.0	N	200	N
0114CM21	N	N	200	500	N	200.0	N	500	N
0115CM21	N	N	200	700	N	200.0	N	1,500	N
0116CM12	N	N	300	500	N	150.0	300	300	N
0117CM23	N	N	<200	1,500	N	150.0	1,500	1,500	N
0118CM23	N	N	<200	700	N	150.0	1,500	500	N
0119CM23	N	N	300	500	N	150.0	1,500	500	N
0120CM23	N	N	N	1,000	N	500.0	1,500	1,000	N
0121CM23	N	N	N	1,000	N	150.0	1,500	2,000	N
0122CM23	N	N	N	2,000	N	150.0	2,000	500	N
0123CM23	N	N	N	700	N	100.0	N	500	N
0124CM23	N	N	N	700	N	100.0	N	700	N
0126CM23	N	N	<200	200	N	100.0	1,000	200	N
0127CM23	N	N	<200	500	N	150.0	1,000	500	N
0128CM23	N	N	300	700	N	150.0	1,500	300	N
0129CM23	N	N	200	700	N	200.0	1,500	500	N
0131CM23	N	N	<200	700	N	200.0	500	500	N
0132CM23	N	N	<200	500	N	300.0	700	1,500	200
0134CM23	N	N	N	700	N	100.0	N	1,000	N
0135CM23	N	N	N	1,500	N	100.0	N	500	N
0136CM23	N	N	N	1,500	N	100.0	N	1,000	N
0137CM23	N	N	N	1,500	N	100.0	700	500	N
0142CM23	N	N	<200	1,000	N	150.0	1,500	500	N
0143CM23	N	N	200	1,000	N	200.0	500	700	N
0145CM23	N	N	<200	500	N	100.0	1,000	300	N
0146CM23	N	N	<200	700	100	150.0	300	300	N
0147CM23	N	N	<200	700	70	100.0	300	1,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-YIZ	S-MN	S-AG	S-AS	S-B	S-BA
0148CM23	38 40 27	113 48 16	20	7.00	7.00	1.50	7,000	N	N	20	700
0149CM23	38 41 30	113 47 52	30	7.00	5.00	>2.00	5,000	N	N	20	500
0150CM23	38 44 29	113 45 52	30	1.50	3.00	1.00	3,000	N	N	100	500
0152CM23	38 30 29	113 51 16	30	3.00	3.00	>2.00	7,000	N	N	20	700
0153CM23	38 31 23	113 49 27	30	5.00	5.00	>2.00	5,000	N	N	20	700
0155CM23	38 32 6	113 50 59	20	5.00	5.00	2.00	5,000	N	N	20	700
0156CM23	38 33 32	113 54 2	30	7.00	5.00	>2.00	5,000	N	N	20	500
0157CM23	38 34 21	113 54 44	30	3.00	2.00	>2.00	10,000	N	N	30	500
0158CM23	38 34 46	113 55 31	30	3.00	2.00	1.50	3,000	N	5,000	150	300
0159CM23	38 35 46	113 50 18	20	7.00	7.00	1.50	10,000	N	N	20	2,000
0160CM23	38 35 47	113 50 19	20	5.00	5.00	1.50	7,000	N	N	20	1,500
0161CM23	38 36 6	113 50 9	20	7.00	7.00	1.50	7,000	N	N	20	1,000
0162CM23	38 36 55	113 48 13	30	5.00	5.00	>2.00	7,000	N	N	50	500
0163CM23	38 36 3	113 48 5	30	3.00	2.00	>2.00	>10,000	N	N	30	5,000
0164CM23	38 41 50	113 45 39	30	5.00	3.00	>2.00	1,000	N	N	30	2,000
0165CM23	38 0 31	113 36 3	30	1.00	1.00	>2.00	5,000	N	N	20	700
0171CM23	38 2 52	113 36 6	50	1.00	1.50	1.50	>10,000	N	N	50	150
0172CM23	38 1 53	113 35 7	30	1.50	1.50	>2.00	10,000	N	N	<20	500
0173CM23	38 1 7	113 33 53	30	1.00	1.00	>2.00	5,000	N	N	20	700
0175CM23	38 4 55	113 34 37	30	.20	.70	>2.00	>10,000	N	N	30	500
0176CM23	38 4 56	113 34 39	30	.20	.70	>2.00	>10,000	N	N	50	70
0177CM23	38 4 36	113 34 39	30	.20	.50	>2.00	>10,000	N	N	30	50
0178CM23	38 4 0	113 34 19	30	.50	1.00	>2.00	3,000	N	N	30	500
0179CM23	38 3 33	113 34 30	30	1.50	1.00	>2.00	>10,000	N	N	<20	500
0181CM23	38 2 0	113 31 57	30	1.00	1.00	>2.00	5,000	N	N	30	1,000
0184CM23	38 3 52	113 30 47	30	2.00	3.00	>2.00	3,000	N	N	<20	500
0185CM23	38 1 20	113 29 13	30	1.00	1.50	>2.00	7,000	N	N	20	700
0186CM23	38 46 53	112 59 11	30	5.00	5.00	>2.00	7,000	N	N	50	700
0187CM23	38 55 37	112 57 10	20	1.50	1.50	1.00	>10,000	N	N	300	3,000
0188CM23	38 55 37	112 57 8	20	1.00	1.50	1.00	10,000	N	N	200	2,000
0189CM23	38 55 41	112 57 4	30	1.50	1.50	.70	7,000	N	N	70	2,000
0190CM23	38 52 57	112 56 28	30	5.00	5.00	>2.00	7,000	N	N	70	700
0191CM23	38 56 52	112 56 16	20	2.00	2.00	.70	7,000	N	N	100	1,000
0192CM23	38 57 22	112 58 28	30	3.00	3.00	.70	5,000	N	1,500	50	700
0193CM23	38 57 55	112 54 42	30	5.00	3.00	1.00	7,000	N	N	70	1,000
0195CM23	38 52 50	112 50 12	30	5.00	5.00	>2.00	7,000	N	N	50	500
0196CM23	38 53 0	112 51 56	30	5.00	3.00	>2.00	5,000	N	500	30	300
0197CM23	38 51 42	112 51 34	30	7.00	7.00	>2.00	5,000	N	N	50	500
0198CM23	38 45 38	112 51 51	30	3.00	2.00	>2.00	5,000	N	N	<20	200
0199CM23	38 45 20	112 50 1	30	2.00	1.50	>2.00	5,000	N	N	50	200
0200CM23	38 45 6	112 46 21	30	3.00	1.50	1.50	>10,000	7.0	500	50	>10,000
0201CM23	38 42 20	112 45 31	20	7.00	10.00	1.50	7,000	N	N	30	1,000
0202CM23	38 40 9	112 46 21	20	7.00	5.00	1.50	5,000	N	N	50	500
0203CM23	38 42 37	112 49 35	50	3.00	1.50	>2.00	10,000	N	N	20	500
0204CM23	38 42 58	112 51 34	50	2.00	3.00	>2.00	5,000	N	N	<20	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-FB
0148CM23	<2.0	N	N	70	200	100	200	7	<50	100	150
0149CM23	<2.0	N	N	100	700	70	1,500	N	50	100	200
0150CM23	2.0	N	N	150	300	500	700	20	<50	200	1,000
0151CM23	<2.0	N	N	70	150	15	700	N	50	50	50
0153CM23	<2.0	N	N	100	500	70	1,000	7	<50	100	30
0155CM23	N	15	N	70	300	15	>2,000	7	<50	50	30
0156CM23	<2.0	N	N	100	500	100	1,000	10	<50	70	30
0157CM23	N	N	N	100	300	70	500	7	<50	100	150
0158CM23	2.0	N	N	100	200	200	700	30	<50	150	200
0159CM23	<2.0	N	N	100	300	100	100	N	<50	100	50
0160CM23	<2.0	N	N	100	500	100	100	7	<50	70	50
0161CM23	<2.0	N	N	100	200	70	100	N	<50	70	50
0162CM23	<2.0	N	N	100	1,000	100	500	10	50	100	150
0163CM23	<2.0	N	N	150	700	300	700	10	<50	100	200
0164CM23	<2.0	20	N	150	500	200	2,000	15	50	100	500
0166CM23	<2.0	N	N	150	500	150	150	7	<50	70	100
0171CM23	7.0	N	N	30	150	100	200	20	1,000	30	200
0172CM23	3.0	N	N	70	500	50	300	30	500	100	150
0173CM23	<2.0	N	N	150	500	50	100	7	50	70	100
0175CM23	10.0	N	N	N	70	50	300	70	1,500	<10	200
0176CM23	7.0	N	N	10	50	30	200	70	<50	70	30
0177CM23	10.0	N	N	10	50	30	200	50	2,000	N	50
0178CM23	70.0	N	N	100	150	30	500	7	1,500	N	30
0179CM23	7.0	N	N	100	500	100	300	15	50	70	200
0181CM23	N	N	N	150	300	70	300	N	70	70	70
0184CM23	N	N	N	100	500	70	700	7	<50	70	30
0185CM23	<2.0	N	N	150	500	150	500	10	70	70	70
0186CM23	7.0	N	N	150	700	200	150	7	50	200	300
0187CM23	10.0	N	N	100	150	70	150	7	<50	100	200
0188CM23	15.0	N	N	100	150	100	200	N	<50	100	1,000
0189CM23	10.0	N	N	150	150	300	150	7	<50	150	300
0190CM23	5.0	N	N	100	500	150	500	20	<50	150	200
0191CM23	10.0	N	N	150	150	300	200	10	<50	100	500
0192CM23	7.0	N	N	150	200	300	200	20	<50	200	500
0193CM23	7.0	N	N	150	700	300	300	15	<50	150	700
0195CM23	<2.0	N	N	100	1,500	150	500	7	70	150	70
0196CM23	2.0	N	N	150	500	200	300	15	50	150	150
0197CM23	5.0	N	N	100	1,000	200	200	7	50	200	150
0198CM23	N	N	N	100	150	70	100	15	100	30	30
0199CM23	<2.0	N	N	100	700	70	50	15	70	100	50
0200CM23	5.0	N	70	1,000	300	1,000	100	200	70	100	1,000
0201CM23	N	N	N	100	1,000	150	<50	20	N	150	30
0202CM23	<2.0	N	N	70	700	150	200	N	<50	100	70
0203CM23	<2.0	N	N	100	150	100	150	7	70	50	70
0204CM23	N	N	N	70	150	70	200	30	70	50	30

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0148CM23	N	N	N	700	N	150.0	700	200	N
0149CM23	N	N	N	700	N	200.0	N	1,000	150
0150CM23	N	N	N	500	N	100.0	700	500	N
0152CM23	N	N	N	500	N	150.0	N	1,500	N
0153CM23	N	N	<200	1,000	N	150.0	N	1,500	N
0155CM23	N	N	<200	200	N	200.0	N	700	300
0156CM23	N	N	<200	1,000	N	150.0	300	500	N
0157CM23	N	N	N	1,000	N	100.0	700	2,000	N
0158CM23	N	N	N	500	N	50.0	1,500	300	N
0159CM23	N	N	200	700	N	150.0	300	500	N
0160CM23	N	N	<200	700	N	100.0	N	500	N
0161CM23	N	N	200	700	N	150.0	N	200	N
0162CM23	N	N	<200	700	N	70.0	500	1,000	N
0163CM23	N	N	<200	1,000	150	70.0	300	1,000	N
0164CM23	N	N	<200	700	100	200.0	300	1,500	150
0166CM33	N	N	N	1,500	N	70.0	700	1,500	N
0171CM33	N	500	N	300	N	700.0	1,000	500	N
0172CM33	N	20	N	1,000	N	150.0	500	500	N
0173CM33	N	N	N	1,000	N	30.0	700	700	N
0175CM33	N	300	N	150	N	200.0	1,500	1,000	N
0176CM33	N	300	N	150	N	150.0	2,000	1,000	N
0177CM33	N	500	N	100	N	200.0	2,000	1,000	150
0178CM33	N	N	N	1,500	N	150.0	500	700	N
0179CM33	N	300	N	1,000	N	500.0	1,000	1,500	N
0181CM33	N	N	<200	1,000	N	100.0	300	300	N
0184CM33	N	N	N	700	N	100.0	N	500	N
0185CM34	N	N	N	700	N	70.0	700	1,000	N
0186CM12	N	N	<200	700	N	150.0	700	300	N
0187CM12	N	N	300	300	N	200.0	N	500	N
0188CM12	N	N	200	300	N	200.0	N	700	N
0189CM12	N	N	200	300	N	150.0	500	300	N
0190CM12	N	N	<200	700	N	100.0	500	300	N
0191CM12	N	N	<200	200	N	70.0	1,000	200	N
0192CM22	N	N	<200	500	N	150.0	700	150	N
0193CM12	N	N	N	500	N	100.0	1,500	300	N
0195CM12	N	N	<200	1,000	N	150.0	500	500	N
0196CM22	N	N	<200	700	N	70.0	500	500	N
0197CM12	N	N	<200	700	N	70.0	500	200	N
0198CM12	N	N	N	1,000	N	150.0	1,000	700	N
0199CM22	N	300	N	1,000	N	100.0	700	1,000	N
0200CM22	N	N	500	300	N	100.0	1,000	700	200
0201CM13	N	N	500	700	N	70.0	N	150	N
0202CM23	N	N	200	500	N	70.0	N	150	N
0203CM13	N	N	N	1,000	N	150.0	1,000	1,500	N
0204CM23	N	N	N	700	N	100.0	700	700	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	GRADE	LONGITUDE	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-B	S-BA
0205CM13	38 44 51	112 52 5	30	3.00	3.00	>2.00	5,000	N	N	<20	200
0206CM13	38 44 51	112 50 7	30	3.00	1.50	>2.00	7,000	N	N	30	500
0207CM13	38 36 35	112 50 33	30	3.00	1.50	1.00	10,000	1.0	N	50	2,000
0208CM23	38 36 29	112 48 33	50	.70	1.50	.50	3,000	N	500	50	500
0209CM23	38 34 16	112 47 48	15	7.00	5.00	1.50	3,000	N	N	20	500
0210CM23	38 32 37	112 48 55	20	7.00	7.00	>2.00	>10,000	N	N	20	5,000
0211CM23	38 34 30	112 50 20	20	5.00	7.00	1.50	5,000	N	N	30	500
0212CM23	38 35 1	112 49 21	15	7.00	10.00	1.00	3,000	N	N	20	100
0213CM21	38 45 47	113 5 25	30	1.50	1.50	2.00	1,000	N	N	300	150
0214CM21	38 47 18	113 4 46	30	1.50	1.50	>2.00	2,000	N	N	500	200
0215CM21	38 48 31	113 4 1	30	1.50	1.50	1.50	10,000	N	N	700	2,000
0216CM21	38 48 35	113 2 18	30	2.00	3.00	1.50	10,000	N	N	700	2,000
0217CM21	38 50 29	113 2 44	30	3.00	5.00	1.00	3,000	N	N	50	500
0218CM21	38 52 6	113 3 35	30	1.00	2.00	.70	3,000	N	N	200	1,000
0219CM21	38 53 36	113 1 43	30	1.00	1.50	.70	10,000	N	N	200	1,500
0220CM21	38 56 48	113 1 9	30	2.00	1.50	2.00	10,000	N	N	500	1,500
0221CM12	38 59 5	112 59 34	30	5.00	3.00	1.50	5,000	N	N	3,000	500
0222CM12	38 57 9	112 59 18	30	2.00	3.00	1.50	10,000	N	N	500	1,500
0223CM12	38 54 41	112 59 4	30	3.00	5.00	1.00	5,000	N	N	50	1,500
0224CM21	38 50 13	113 0 27	20	3.00	2.00	.70	5,000	N	N	30	1,500
0225CM21	38 50 5	113 0 28	30	2.00	3.00	2.00	5,000	N	N	100	1,000
0226CM21	38 50 5	113 0 30	30	2.00	2.00	1.50	5,000	N	N	100	1,000
0227CM21	38 51 56	113 0 2	50	5.00	7.00	2.00	5,000	N	N	50	700
0228CM12	38 54 36	112 57 10	30	5.00	5.00	1.00	3,000	N	500	<20	500
0229CM11	38 55 29	112 53 26	30	2.00	1.50	1.00	10,000	N	N	100	2,000
0230CM11	38 53 6	112 53 35	50	5.00	10.00	2.00	5,000	N	N	<20	700
0231CM11	38 56 34	112 55 34	30	1.50	3.00	.30	3,000	N	500	20	700
0232CM12	38 50 26	112 52 29	30	5.00	7.00	2.00	5,000	N	N	20	150
0233CM12	38 46 33	112 49 50	50	5.00	5.00	>2.00	5,000	N	N	<20	700
0243CM13	38 54 53	112 56 9	50	5.00	5.00	>2.00	3,000	N	N	<20	100
0244CM13	38 50 1	112 54 58	30	7.00	10.00	2.00	3,000	N	N	<20	500
0245CM13	38 45 56	112 53 52	30	3.00	2.00	>2.00	5,000	N	N	<20	150
0246CM13	38 38 7	112 49 39	30	2.00	1.50	.70	>10,000	N	N	30	5,000
0249CM13	38 37 32	112 50 14	50	2.00	3.00	.50	10,000	1.0	N	20	7,000
0235CM42	38 29 48	112 50 49	30	5.00	7.00	>2.00	>10,000	N	N	20	7,000
0237CM42	38 29 53	112 51 7	20	5.00	5.00	>2.00	1,000	N	N	<20	3,000
0260CM13	38 30 43	112 51 12	30	5.00	7.00	>2.00	10,000	N	N	30	1,000
0261CM12	38 30 50	112 49 5	15	3.00	7.00	>2.00	10,000	N	N	20	1,500
0262CM13	38 31 7	112 50 59	20	5.00	7.00	>2.00	5,000	N	N	<20	1,000
0245CM13	38 30 36	112 46 15	30	2.00	5.00	>2.00	1,000	N	N	30	700
0245CM13	38 30 36	112 46 13	30	3.00	10.00	>2.00	10,000	N	N	20	500
0246CM13	38 30 30	112 46 7	30	5.00	10.00	>2.00	7,000	N	N	<20	700
0247CM42	38 18 7	112 49 23	30	5.00	10.00	2.00	5,000	1.0	N	<20	300
0268CM33	38 6 8	113 38 27	50	.30	.70	>2.00	>10,000	N	N	30	300
0269CM33	38 5 5	113 38 15	30	1.50	1.00	>2.00	>10,000	N	N	30	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0205CM13	N	N	N	70	200	70	200	10	100	50	30
0206CM13	<2.0	N	N	100	500	150	700	10	50	100	30
0207CM13	5.0	N	N	150	300	1,000	200	10	<50	200	1,500
0208CM23	7.0	N	N	300	100	1,000	100	7	N	500	700
0209CM23	2.0	N	N	100	150	100	700	N	<50	100	50
0210CM23	<2.0	20	N	150	500	150	>2,000	15	70	100	300
0211CM23	3.0	N	N	100	150	150	300	N	50	100	30
0212CM23	2.0	N	N	70	200	15	700	N	<50	100	<20
0213CM21	2.0	N	N	70	300	70	150	15	50	100	70
0214CM21	7.0	N	N	70	300	70	150	10	70	100	70
0215CM21	5.0	N	N	100	200	100	300	N	50	70	150
0216CM21	10.0	N	N	100	200	100	300	N	<50	150	150
0217CM21	7.0	N	N	100	300	100	300	10	<50	150	150
0218CM21	10.0	N	N	100	200	150	500	15	<50	100	300
0219CM21	7.0	N	N	70	100	100	150	N	<50	70	300
0220CM21	7.0	N	N	100	500	30	200	N	50	150	100
0221CM12	3.0	N	N	100	1,000	100	300	N	<50	100	150
0222CM12	5.0	N	N	100	500	100	500	7	50	150	150
0223CM12	10.0	N	N	200	200	300	200	15	<50	200	500
0224CM21	5.0	N	N	100	150	100	200	7	<50	150	100
0225CM21	7.0	N	N	100	500	150	500	10	70	200	150
0226CM21	10.0	N	N	100	200	150	300	7	50	150	150
0227CM21	5.0	N	N	150	500	100	500	10	50	150	150
0228CM12	7.0	N	N	70	300	150	300	30	<50	300	300
0229CM11	3.0	N	N	50	200	30	150	N	<50	100	70
0230CM11	3.0	N	N	100	500	100	300	30	50	150	150
0233CM11	5.0	N	N	100	100	150	70	70	N	150	200
0237CM12	<2.0	N	N	70	500	50	500	7	50	150	50
0239CM12	N	N	N	70	700	100	700	30	70	100	100
0243CM13	N	N	N	70	1,000	100	300	7	70	100	70
0244CM13	N	N	N	70	500	70	300	10	50	150	30
0245CM13	N	N	N	70	300	70	300	15	70	50	20
0247CM13	10.0	N	N	100	150	1,000	100	30	<50	200	7,000
0249CM13	7.0	N	N	100	150	700	100	30	<50	200	5,000
0255CM42	<2.0	N	N	150	150	50	>2,000	20	150	70	200
0257CM42	<2.0	N	N	70	100	70	>2,000	20	200	50	150
0260CM13	2.0	N	N	300	150	100	>2,000	30	500	100	150
0261CM12	2.0	N	N	100	100	70	>2,000	30	500	50	200
0262CM13	<2.0	N	N	70	70	70	1,500	10	100	100	70
0263CM13	2.0	N	N	100	200	50	>2,000	20	500	50	500
0265CM13	N	N	N	100	300	50	>2,000	20	500	100	700
0266CM13	3.0	N	N	100	100	70	>2,000	30	500	70	200
0267CM42	15.0	15	N	100	100	150	>2,000	15	200	100	200
0268CM33	10.0	N	N	20	150	50	200	150	1,000	10	200
0269CM33	5.0	N	N	20	200	50	300	20	2,000	10	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0205CM13	N	N	N	1,000	N	100.0	500	1,000	N
0206CM13	N	300	N	700	N	150.0	500	1,500	N
0207CM13	N	N	200	500	N	150.0	2,000	200	N
0208CM23	N	N	N	300	N	50.0	1,500	100	N
0209CM23	N	N	N	200	N	100.0	N	500	N
0210CM23	N	20	<200	300	N	300.0	N	2,000	1,000
0211CM23	N	N	<200	200	N	100.0	N	300	N
0212CM23	N	N	<200	500	N	100.0	N	700	N
0213CM21	N	N	200	1,000	N	150.0	N	1,000	N
0214CM21	N	N	<200	700	N	150.0	N	1,000	N
0215CM21	N	N	200	200	N	200.0	N	1,000	N
0216CM21	N	N	<200	500	N	500.0	300	2,000	N
0217CM21	N	N	<200	500	N	100.0	N	200	N
0218CM21	N	N	<200	300	N	100.0	700	200	N
0219CM21	N	N	200	200	N	150.0	300	300	N
0220CM21	N	N	<200	500	N	200.0	N	2,000	N
0221CM12	N	N	<200	300	N	200.0	N	1,000	N
0222CM12	N	N	200	500	N	700.0	N	70	N
0223CM12	N	N	<200	500	N	150.0	2,000	200	N
0224CM21	N	N	<200	300	N	70.0	500	150	N
0225CM21	N	N	N	700	N	500.0	N	2,000	N
0226CM21	N	N	N	700	N	500.0	N	2,000	N
0227CM21	N	N	<200	1,000	N	150.0	300	1,000	N
0228CM12	N	N	N	700	N	150.0	500	200	N
0229CM11	N	N	300	500	N	700.0	N	1,000	N
0230CM11	N	N	N	700	N	100.0	N	300	N
0231CM11	N	N	N	700	N	50.0	N	150	N
0232CM12	N	N	N	700	N	100.0	N	500	N
0233CM12	N	N	N	700	N	150.0	N	300	N
0234CM13	N	N	N	1,000	N	100.0	N	200	N
0244CM13	N	N	300	700	N	70.0	N	300	N
0245CM13	N	N	N	700	N	100.0	1,000	500	N
0246CM13	N	N	<200	300	N	70.0	2,000	200	N
0249CM13	N	N	200	300	N	50.0	3,000	150	N
0255CM42	N	20	200	300	N	500.0	N	>2,000	200
0257CM42	N	30	200	300	N	500.0	N	>2,000	300
0258CM13	N	50	N	500	N	1,000.0	N	>2,000	500
0261CM12	N	70	200	200	N	700.0	N	2,000	200
0262CM13	N	N	200	500	N	200.0	N	2,000	150
0264CM13	N	70	300	200	N	1,000.0	N	>2,000	700
0265CM13	N	100	<200	300	N	1,000.0	N	1,500	700
0266CM13	N	100	N	200	N	700.0	N	2,000	300
0267CM42	N	150	200	200	N	500.0	N	2,000	500
0268CM33	N	300	N	500	N	500.0	2,000	1,500	N
0269CM33	N	500	N	300	N	500.0	1,500	1,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
02700M33	38 5 14	113 38 14	50	.20	.50	>2.00	>10,000	N	N	50	50
02710M33	38 5 29	113 38 5	50	1.00	1.00	>2.00	>10,000	N	N	30	500
02740M33	38 4 50	113 38 9	30	.70	2.00	>2.00	>10,000	N	N	20	700
02760M33	38 7 11	113 37 46	30	2.00	1.50	>2.00	10,000	N	N	20	1,500
02770M33	38 7 2	113 37 21	30	.70	1.00	>2.00	10,000	N	N	20	300
02780M33	38 7 11	113 36 49	30	1.50	1.50	>2.00	>10,000	N	N	50	500
02790M33	38 6 54	113 35 48	30	.50	.50	>2.00	>10,000	N	N	20	200
02850M33	38 5 21	113 36 10	50	.70	1.00	>2.00	>10,000	N	N	50	300
02860M33	38 5 26	113 35 56	50	.20	.70	>2.00	>10,000	N	N	30	50
02870M33	38 5 52	113 35 15	50	.70	1.00	>2.00	>10,000	N	N	70	300
02890M33	38 6 6	113 35 12	30	2.00	2.00	>2.00	>10,000	N	N	30	300
02900M33	38 6 22	113 35 33	30	5.00	3.00	>2.00	>10,000	N	N	50	300
02910M31	38 27 47	113 6 6	30	2.00	5.00	.20	5,000	N	N	30	1,000
02930M31	38 29 34	113 6 41	30	7.00	7.00	>2.00	3,000	N	N	50	500
02940M31	38 29 8	113 8 0	30	1.50	3.00	>2.00	2,000	1.0	N	50	1,000
02970M31	38 20 31	113 13 51	30	2.00	2.00	>2.00	3,000	N	N	<20	300
02990M31	38 18 43	113 13 57	30	3.00	3.00	>2.00	2,000	N	N	<20	300
03020M34	38 12 39	113 24 16	30	3.00	1.50	>2.00	>10,000	N	N	20	3,000
03030M34	38 11 48	113 25 21	30	5.00	1.50	>2.00	7,000	N	N	<20	3,000
03050M34	38 11 57	113 26 43	30	1.50	1.50	1.50	5,000	N	N	20	2,000
03060M34	38 12 6	113 27 58	30	3.00	5.00	1.50	7,000	.7	5,000	30	1,000
03080M34	38 13 52	113 27 48	30	1.00	1.50	>2.00	>10,000	N	N	20	3,000
03090M34	38 12 57	113 28 36	30	3.00	2.00	>2.00	>10,000	N	N	50	2,000
03100M33	38 12 12	113 30 40	30	1.00	1.00	>2.00	5,000	N	N	70	2,000
03110M33	38 11 53	113 31 9	30	1.50	1.50	>2.00	5,000	N	N	30	1,500
03130M33	38 12 54	113 31 50	30	2.00	1.00	>2.00	3,000	N	N	30	2,000
03140M33	38 13 54	113 32 42	30	.70	1.50	1.00	5,000	N	3,000	50	700
03150M33	38 14 30	113 34 34	50	1.00	1.50	>2.00	5,000	N	1,500	30	700
03160M33	38 14 14	113 36 14	30	3.00	2.00	1.50	5,000	N	2,000	50	500
03170M33	38 13 0	113 35 38	30	1.00	1.50	>2.00	7,000	N	500	30	500
03190M33	38 11 49	113 35 14	20	3.00	2.00	1.50	5,000	N	N	20	1,500
03200M33	38 10 58	113 32 15	30	3.00	1.00	>2.00	3,000	N	N	20	2,000
03230M34	38 6 55	113 27 33	30	5.00	5.00	>2.00	7,000	N	N	20	1,000
03240M34	38 6 57	113 29 30	30	7.00	3.00	>2.00	10,000	N	N	20	1,500
03260M34	38 9 38	113 29 54	30	.70	1.00	1.00	7,000	N	N	30	1,500
03270M34	38 10 52	113 29 51	20	5.00	1.00	>2.00	5,000	N	N	20	5,000
03280M33	38 11 26	113 35 13	30	1.50	1.50	>2.00	5,000	N	N	20	1,000
03290M33	38 9 42	113 34 42	30	2.00	1.50	>2.00	10,000	N	N	30	1,500
03300M33	38 8 37	113 34 2	30	1.00	1.00	>2.00	7,000	N	N	50	2,000
03310M33	38 8 16	113 32 56	50	1.50	1.50	1.00	>10,000	N	700	20	1,500
03320M33	38 6 14	113 34 33	50	1.50	1.00	>2.00	>10,000	N	N	30	5,000
03330M33	38 5 43	113 35 24	50	.15	.50	>2.00	>10,000	N	N	20	300
03340M33	38 7 46	113 35 44	20	3.00	2.00	>2.00	7,000	N	N	50	2,000
03350M33	38 7 47	113 35 45	30	5.00	2.00	>2.00	10,000	N	N	50	1,500
03360M33	38 7 46	113 35 41	30	2.00	1.50	>2.00	7,000	N	N	50	1,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0270CM33	10.0	N	N	10	150	50	200	30	2,000	<10	1,000
0271CM33	7.0	N	N	30	150	70	500	50	500	20	700
0274CM33	15.0	30	N	70	100	100	200	100	1,000	20	1,500
0276CM33	<2.0	N	N	150	300	70	700	7	70	70	300
0277CM33	<2.0	N	N	100	500	150	1,500	7	70	100	300
0278CM33	7.0	N	N	50	500	50	2,000	20	300	50	150
0279CM33	7.0	N	N	50	200	30	1,000	150	150	20	100
0283CM33	5.0	N	N	30	200	70	300	20	1,500	30	150
0286CM33	5.0	N	N	10	50	50	150	7	1,000	<10	50
0287CM33	7.0	N	N	20	150	50	2,000	50	1,000	10	150
0289CM33	2.0	N	N	70	300	50	>2,000	20	200	50	100
0290CM33	5.0	N	N	70	500	50	1,000	20	300	70	100
0291CM31	<2.0	N	N	70	300	200	300	50	50	100	150
0293CM31	2.0	N	N	70	200	1,000	1,000	30	70	100	100
0294CM31	<2.0	N	N	70	300	300	150	50	<50	100	150
0297CM31	<2.0	N	N	70	750	100	100	10	70	100	150
0309CM31	<2.0	N	N	70	1,000	70	200	20	50	100	150
0302CM34	<2.0	N	N	150	700	300	150	7	<50	100	150
0303CM34	3.0	N	N	100	500	30	100	N	<50	70	200
0305CM34	7.0	N	N	100	150	150	100	30	<50	50	200
0306CM34	2.0	N	N	100	200	300	500	500	70	150	1,500
0308CM34	7.0	N	N	150	700	50	1,000	15	70	100	500
0309CM34	5.0	N	N	150	500	70	700	10	70	100	500
0310CM33	5.0	N	N	100	150	150	100	10	<50	70	500
0311CM33	2.0	N	N	100	1,000	50	150	15	50	70	300
0313CM33	<2.0	N	N	70	500	50	200	N	<50	100	200
0314CM33	7.0	20	N	200	200	200	200	100	<50	150	1,000
0315CM33	7.0	N	N	100	500	150	1,000	300	70	150	1,000
0316CM33	5.0	N	N	100	200	100	150	150	50	150	1,500
0317CM33	7.0	N	N	150	500	100	1,000	100	70	100	1,000
0319CM33	3.0	N	N	70	300	50	150	7	<50	100	150
0320CM33	<2.0	N	N	100	200	30	200	N	<50	50	150
0323CM34	N	N	N	100	500	50	1,000	N	50	150	50
0324CM34	<2.0	N	N	100	200	10	1,000	N	50	70	70
0326CM34	7.0	N	N	150	500	150	200	10	<50	100	500
0327CM34	2.0	N	N	100	150	20	100	N	50	50	100
0328CM33	2.0	N	N	100	500	30	300	7	<50	70	300
0329CM33	3.0	N	N	100	500	70	500	7	<50	70	200
0330CM33	2.0	N	N	200	500	50	700	N	<50	70	300
0331CM33	10.0	N	N	300	150	100	200	70	<50	200	700
0332CM33	7.0	N	N	100	500	70	500	30	150	70	700
0333CM33	7.0	N	N	15	30	20	700	20	700	<10	200
0334CM33	3.0	N	N	70	500	50	200	10	70	50	300
0335CM33	2.0	N	N	100	300	50	500	15	100	70	300
0336CM33	<2.0	N	N	100	500	50	1,000	N	50	70	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

Sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0270CM33	N	1,000	N	200	N	200.0	1,500	1,000	N
0271CM33	N	1,000	N	300	N	300.0	1,500	2,000	N
0274CM33	N	500	<200	200	N	300.0	1,500	1,500	N
0276CM33	N	50	N	1,000	N	300.0	500	1,000	N
0277CM33	N	N	N	1,000	N	200.0	1,000	1,500	N
0278CM33	N	500	N	500	N	500.0	1,000	1,500	200
0279CM33	N	200	N	700	N	500.0	2,000	2,000	500
0283CM33	N	700	N	500	N	300.0	1,500	1,500	N
0286CM33	N	>2,000	N	100	N	300.0	5,000	500	N
0287CM33	N	1,500	N	300	N	500.0	700	1,000	N
0289CM33	N	300	N	700	N	500.0	500	1,500	150
0290CM33	N	500	N	500	N	200.0	700	1,000	N
0291CM31	N	N	300	1,000	N	70.0	N	500	N
0293CM31	N	N	200	500	N	200.0	N	1,000	150
0294CM31	N	N	700	1,000	N	70.0	N	200	N
0297CM31	N	N	<200	1,000	N	70.0	300	2,000	N
0299CM31	N	N	<200	1,000	N	70.0	N	700	N
0302CM34	N	N	200	1,500	N	70.0	1,000	300	N
0303CM34	N	N	300	1,000	N	70.0	N	700	N
0305CM34	N	N	500	700	N	70.0	500	500	N
0306CM34	150	N	N	700	N	150.0	1,000	700	N
0308CM34	N	N	<200	1,000	N	200.0	1,000	300	N
0309CM34	N	N	200	1,000	N	700.0	1,000	1,000	N
030CM33	N	N	200	500	N	50.0	300	300	N
031CM33	N	N	200	1,000	N	100.0	N	1,000	N
0313CM33	N	N	200	1,500	N	700.0	500	500	N
0314CM33	N	N	N	1,000	N	70.0	2,000	200	N
0315CM33	N	N	N	1,500	N	150.0	1,000	300	N
0316CM33	N	N	N	1,000	N	150.0	1,500	500	N
0317CM33	N	N	N	1,000	N	150.0	1,000	1,000	N
0319CM33	N	N	200	700	N	70.0	N	300	N
0320CM33	N	N	<200	1,000	N	50.0	N	300	N
0323CM34	N	N	<200	1,000	N	200.0	N	1,000	N
0324CM34	N	N	<200	1,000	N	70.0	N	1,000	N
0326CM34	N	N	300	500	N	100.0	1,000	300	N
0327CM34	N	N	<200	700	N	50.0	N	300	N
0328CM33	N	N	N	1,000	N	70.0	N	500	N
0329CM33	N	N	200	1,500	N	150.0	500	1,000	N
0330CM33	N	N	200	1,500	N	100.0	700	1,000	N
0331CM33	N	N	N	1,000	N	200.0	1,500	150	N
0332CM33	N	N	<200	1,500	N	500.0	500	1,000	N
0333CM33	N	2,000	N	200	N	200.0	2,000	500	N
0334CM33	N	N	200	1,000	N	150.0	N	500	N
0335CM33	N	N	<200	1,000	N	200.0	500	1,000	N
0336CM33	N	N	N	1,500	N	150.0	700	1,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE		LONGITUDE		S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0337CM33	38 7 9	113 36 57	30	1.00	1.00	>2.00	10,000	N	N	20	1,000		
0339CM32	38 28 2	113 32 6	30	5.00	7.00	1.50	5,000	N	N	30	700		
0340CM32	38 26 45	113 31 53	30	5.00	7.00	2.00	3,000	N	N	50	500		
0341CM32	38 25 10	113 32 29	30	5.00	7.00	2.00	10,000	N	N	50	1,500		
0342CM32	38 24 14	113 32 27	30	7.00	3.00	>2.00	7,000	N	N	50	700		
0343CM32	38 23 3	113 32 27	20	5.00	5.00	1.00	5,000	N	N	30	1,000		
0344CM32	38 23 1	113 32 28	30	5.00	3.00	>2.00	5,000	N	N	20	500		
0345CM32	38 23 0	113 32 30	20	10.00	7.00	1.00	5,000	N	N	20	500		
0346CM32	38 22 51	113 36 5	30	1.00	1.00	>2.00	3,000	N	N	30	1,500		
0347CM32	38 23 35	113 35 49	30	1.50	2.00	.70	7,000	N	N	200	1,500		
0348CM32	38 24 41	113 35 0	30	2.00	5.00	1.00	5,000	N	N	30	1,000		
0349CM32	38 25 48	113 34 50	30	3.00	3.00	1.50	10,000	N	N	50	1,000		
0350CM32	38 28 32	113 34 56	30	5.00	5.00	>2.00	5,000	N	N	70	1,000		
0351CM32	38 27 18	113 34 9	50	2.00	3.00	>2.00	5,000	N	N	30	500		
0352CM32	38 22 0	113 36 9	30	1.50	2.00	.50	3,000	N	N	70	500		
0353CM32	38 22 3	113 36 8	30	2.00	1.50	1.00	7,000	N	N	50	1,000		
0354CM32	38 22 2	113 36 6	50	2.00	2.00	1.00	5,000	N	N	50	500		
0355CM33	38 11 51	113 37 12	20	2.00	2.00	>2.00	>10,000	N	N	50	1,000		
0356CM33	38 9 54	113 36 1	30	.70	1.50	>2.00	7,000	N	N	30	300		
0357CM33	38 13 18	113 30 21	30	1.50	1.50	1.00	5,000	N	N	20	1,500		
0358CM33	38 14 22	113 37 36	30	.70	1.50	.70	1,500	N	N	50	300		
0359CM31	38 14 1	113 28 26	30	2.00	1.50	>2.00	>10,000	N	N	50	2,000		
0360CM34	38 12 54	113 25 6	30	1.50	1.50	>2.00	>10,000	N	N	50	5,000		
0361CM34	38 13 13	113 25 0	30	1.00	1.50	>2.00	>10,000	N	N	50	3,000		
0362CM34	38 13 12	113 25 2	50	3.00	1.50	>2.00	>10,000	N	N	30	5,000		
0363CM34	38 10 23	113 25 59	30	5.00	5.00	>2.00	10,000	N	N	<20	3,000		
0364CM34	38 8 25	113 27 0	30	5.00	3.00	>2.00	7,000	N	N	20	1,000		
0365CM34	38 3 13	113 28 24	30	1.50	1.50	>2.00	3,000	N	N	20	1,000		
0366CM34	38 5 43	113 29 28	30	5.00	2.00	>2.00	10,000	N	N	20	2,000		
0368CM33	38 4 1	113 32 34	30	2.00	1.50	>2.00	3,000	N	N	<20	1,500		
0369CM33	38 6 24	113 32 33	30	2.00	1.50	>2.00	5,000	1.5	N	30	1,500		
0370CM33	38 6 51	113 30 36	30	1.00	1.00	>2.00	3,000	N	N	30	1,500		
0371CM33	38 5 41	113 37 59	30	.70	1.00	>2.00	>10,000	N	N	<20	300		
0372CM33	38 2 12	113 37 54	30	2.00	1.00	>2.00	5,000	N	N	20	2,000		
0373CM33	38 3 12	113 39 54	50	.70	1.00	>2.00	>10,000	N	N	20	1,000		
0374CM33	38 4 26	113 41 22	30	.15	<.05	>2.00	>10,000	N	N	20	<50		
0375CM33	38 2 42	113 41 58	30	1.50	1.50	1.50	7,000	N	N	20	2,000		
0376CM33	38 1 10	113 44 8	50	.70	1.00	2.00	>10,000	N	N	30	500		
0378CM32	38 17 40	113 38 36	30	.70	1.00	>2.00	2,000	.7	N	200	500		
0379CM32	38 16 13	113 38 59	30	.30	.50	>2.00	1,000	.7	N	70	300		
0380CM32	38 17 51	113 48 21	20	5.00	7.00	>2.00	10,000	N	N	20	300		
0382CM32	38 18 29	113 49 48	30	5.00	5.00	>2.00	5,000	N	N	<20	300		
0383CM32	38 22 0	113 39 2	30	1.50	1.50	>2.00	3,000	N	N	200	700		
0384CM32	38 20 33	113 37 47	30	2.00	1.50	>2.00	3,000	N	N	200	500		
0385CM32	38 19 41	113 36 59	30	.70	.70	.50	10,000	N	500	100	1,000		

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0337CM33	3.0	N	N	100	300	20	>2,000	20	100	70	500
0339CM32	5.0	N	N	100	300	200	300	20	<50	100	200
0340CM32	3.0	N	N	70	300	100	200	10	<50	100	300
0341CM32	5.0	N	N	100	300	500	1,000	30	70	100	500
0342CM32	3.0	N	N	100	300	70	200	70	50	150	300
0343CM32	5.0	N	N	100	300	100	200	20	<50	100	300
0344CM32	2.0	N	N	100	300	150	300	30	<50	150	500
0345CM32	N	N	N	100	2,000	150	<50	N	N	200	20
0346CM32	<2.0	N	N	100	500	50	200	N	50	50	500
0347CM32	7.0	N	N	100	200	100	150	10	<50	100	300
0348CM32	7.0	N	N	150	200	300	300	10	<50	150	700
0349CM32	5.0	N	N	150	200	150	500	15	<50	150	500
0350CM32	5.0	N	N	150	300	100	500	7	<50	100	500
0351CM32	5.0	N	N	100	300	70	1,000	10	<50	100	500
0352CM32	10.0	N	N	150	150	500	200	15	<50	150	500
0353CM32	7.0	N	N	150	150	150	200	20	<50	150	1,500
0354CM32	7.0	N	N	150	150	150	200	20	<50	150	500
0355CM33	7.0	N	N	70	300	30	500	20	100	70	700
0356CM33	<2.0	N	N	100	500	100	700	10	100	100	150
0357CM33	3.0	N	N	100	300	150	200	7	<50	100	300
0358CM33	7.0	N	N	50	50	100	<50	500	<50	100	1,500
0359CM31	5.0	N	N	150	300	100	1,000	N	70	100	300
0360CM34	7.0	N	N	200	1,000	100	200	200	50	100	1,500
0361CM34	5.0	N	N	200	3,000	150	500	150	50	100	2,000
0362CM34	<2.0	N	N	200	3,000	100	1,000	200	100	150	1,500
0363CM34	<2.0	N	N	150	500	100	70	N	<50	100	150
0364CM34	<2.0	N	N	100	700	50	2,000	7	50	100	300
0365CM34	<2.0	N	N	70	300	100	200	N	<50	70	200
0366CM34	<2.0	N	N	150	500	100	200	7	50	100	100
0368CM33	N	N	N	150	1,000	20	150	N	<50	100	100
0369CM33	2.0	N	N	70	300	70	700	7	<50	50	1,000
0370CM33	2.0	N	N	100	500	50	200	N	50	50	500
0371CM33	7.0	N	N	20	150	20	500	70	50	10	150
0372CM33	<2.0	N	N	150	500	50	150	N	<50	70	150
0373CM33	3.0	N	N	150	500	50	500	30	300	100	200
0374CM33	20.0	N	N	N	<20	10	150	150	500	N	30
0375CM33	2.0	N	N	70	150	50	200	10	50	30	150
0376CM33	7.0	N	N	50	100	70	1,000	10	300	10	100
0378CM32	<2.0	N	N	50	500	100	300	N	70	30	100
0379CM32	3.0	N	N	20	300	100	100	N	70	50	100
0380CM32	N	N	N	100	200	10	1,500	N	70	70	100
0382CM32	N	N	N	150	700	10	2,000	N	50	70	200
0383CM32	7.0	N	N	70	300	70	500	7	70	100	200
0384CM32	3.0	N	N	50	200	50	200	7	<50	70	300
0385CM32	10.0	N	N	100	70	100	100	50	N	100	1,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0337CM33	N	500	N	500	N	500.0	1,000	1,000	300
0339CM32	N	N	200	700	N	150.0	N	300	N
0340CM32	N	N	<200	500	N	100.0	N	200	N
0341CM32	N	N	<200	1,000	N	200.0	500	300	N
0342CM32	N	N	<200	1,000	N	150.0	N	300	N
0343CM32	N	N	<200	1,000	N	100.0	300	300	N
0344CM32	N	N	<200	700	N	100.0	N	300	N
0345CM32	N	N	<200	700	N	50.0	N	150	N
0346CM32	N	N	<200	1,500	N	100.0	N	1,500	N
0347CM32	N	N	N	500	N	150.0	500	300	N
0348CM32	N	N	N	500	N	100.0	N	300	N
0349CM32	N	N	<200	1,000	N	70.0	1,000	1,000	N
0350CM32	N	N	<200	1,000	N	150.0	700	200	N
0351CM32	N	N	N	1,000	N	150.0	500	700	N
0352CM32	N	N	N	500	N	50.0	700	150	N
0353CM32	N	N	<200	500	N	70.0	500	200	N
0354CM32	N	N	N	1,000	N	100.0	700	300	N
0355CM33	N	30	200	700	N	300.0	500	1,000	N
0356CM33	N	N	N	1,000	N	150.0	500	500	N
0357CM33	N	N	500	700	N	100.0	500	300	N
0358CM33	200	N	N	500	N	20.0	N	200	N
0359CM31	N	N	<200	700	N	500.0	1,000	1,000	N
0360CM34	N	N	<200	1,000	N	100.0	1,000	300	N
0361CM34	N	N	<200	1,000	N	200.0	1,000	1,000	N
0362CM34	N	N	N	2,000	N	200.0	1,000	2,000	N
0363CM34	N	N	200	1,500	N	70.0	500	300	N
0364CM34	N	N	<200	1,000	N	150.0	N	700	N
0365CM34	N	N	N	1,000	N	100.0	N	1,500	N
0366CM34	N	N	<200	1,500	N	150.0	1,000	500	N
0368CM33	N	N	N	1,000	N	70.0	N	1,000	N
0369CM33	N	N	<200	1,000	N	100.0	N	1,500	N
0370CM33	N	N	<200	1,000	N	150.0	300	2,000	N
0371CM33	N	300	N	200	N	500.0	2,000	2,000	N
0372CM33	N	N	N	1,500	N	70.0	700	1,000	N
0373CM33	N	50	N	1,500	N	200.0	1,500	2,000	N
0374CM33	N	200	N	100	N	200.0	3,000	2,000	N
0375CM33	N	N	N	1,000	N	70.0	N	300	N
0376CM33	N	200	N	200	N	500.0	2,000	200	N
0377CM32	N	100	200	700	N	300.0	N	1,000	N
0379CM32	N	N	N	500	N	70.0	500	300	N
0380CM32	N	N	N	1,000	N	300.0	N	1,500	N
0382CM32	N	N	N	2,000	N	300.0	N	700	150
0383CM32	N	N	<200	700	N	300.0	500	500	N
0384CM32	N	N	200	700	N	200.0	1,000	200	N
0385CM32	N	N	N	500	N	70.0	700	200	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0387CM32	38 20 45	113 36 45	30	2.00	2.00	1.00	3,000	1.5	N	50	700
0392CM32	38 20 1	113 36 10	30	1.00	1.00	1.00	7,000	N	N	70	700
0391CM32	38 20 21	113 35 52	30	5.00	5.00	.70	>10,000	N	500	30	1,000
0322CM32	38 20 8	113 35 20	30	1.00	1.50	1.50	5,000	N	N	<20	150
0393CM31	38 22 40	113 28 58	15	10.00	15.00	.70	5,000	N	N	20	70
0394CM32	38 22 9	113 30 11	20	7.00	10.00	1.00	5,000	N	N	<20	500
0395CM32	38 21 56	113 32 2	30	2.00	1.50	>2.00	5,000	N	N	<20	500
0396CM32	38 20 46	113 32 7	30	3.00	2.00	2.00	1,500	N	N	<20	1,500
0397CM32	38 19 58	113 33 45	30	.70	1.00	>2.00	5,000	N	N	20	300
0398CM32	38 20 7	113 35 2	30	3.00	7.00	1.50	5,000	N	N	20	500
0399CM32	38 20 5	113 35 14	30	1.50	1.50	>2.00	5,000	N	N	<20	300
0400CM32	38 20 4	113 35 44	30	2.00	2.00	>2.00	10,000	N	N	30	1,000
0401CM32	38 20 10	113 35 47	30	1.00	1.50	1.50	>10,000	N	N	20	200
0402CM32	38 20 22	113 36 7	30	3.00	5.00	1.00	5,000	N	N	30	1,000
0403CM33	38 38 11	113 59 37	30	5.00	3.00	>2.00	5,000	N	500	50	300
0404CM33	38 38 23	113 57 16	30	5.00	2.00	>2.00	5,000	N	700	300	300
0405CM33	38 38 23	113 57 13	30	3.00	3.00	>2.00	5,000	N	1,500	100	300
0406CM33	38 38 21	113 57 13	30	2.00	2.00	>2.00	5,000	N	1,500	50	300
0407CM33	38 36 52	113 58 57	30	5.00	3.00	1.50	5,000	N	N	150	300
0408CM33	38 35 7	113 59 52	30	5.00	5.00	>2.00	7,000	N	700	50	300
0409CM33	38 30 23	113 54 30	20	5.00	5.00	>2.00	5,000	N	N	20	300
0410CM32	38 29 10	113 51 48	30	5.00	5.00	>2.00	5,000	N	700	50	300
0411CM32	38 28 28	113 51 0	50	1.00	1.00	>2.00	7,000	N	N	20	300
0412CM32	38 18 55	113 40 9	50	1.00	1.00	1.50	10,000	N	N	50	700
0413CM31	38 21 0	113 27 27	30	7.00	7.00	>2.00	10,000	N	N	30	700
0414CM31	38 18 0	113 24 38	30	7.00	10.00	2.00	7,000	N	N	<20	1,000
0415CM31	38 13 21	113 27 17	30	7.00	5.00	>2.00	10,000	N	N	30	500
0416CM31	38 17 27	113 27 51	20	7.00	7.00	2.00	2,000	N	N	50	300
0417CM31	38 17 30	113 27 47	20	10.00	10.00	1.50	5,000	N	N	20	200
0418CM31	38 17 28	113 27 45	20	10.00	7.00	1.50	3,000	N	N	<20	200
0419CM31	38 18 36	113 29 13	30	1.00	1.00	>2.00	3,000	N	N	30	5,000
0420CM34	38 9 47	113 22 17	30	1.00	2.00	.70	1,000	N	N	100	2,000
0421CM34	38 9 0	113 22 16	30	2.00	1.50	1.50	3,000	N	N	70	500
0422CM34	38 5 16	113 12 11	30	5.00	5.00	>2.00	1,000	N	N	150	1,000
0423CM34	38 4 44	113 11 13	20	7.00	15.00	1.00	7,000	N	N	<20	500
0424CM34	38 4 33	113 8 37	30	7.00	15.00	2.00	5,000	N	N	30	1,000
0425CM34	38 4 42	113 9 5	30	7.00	5.00	>2.00	>10,000	N	N	30	2,000
0426CM34	38 4 43	113 9 4	20	7.00	7.00	2.00	10,000	N	N	20	3,000
0427CM34	38 3 27	113 10 37	30	2.00	1.50	>2.00	10,000	N	N	100	500
0428CM34	38 3 22	113 8 52	30	7.00	5.00	>2.00	10,000	N	N	50	3,000
0429CM34	38 3 29	113 6 15	20	7.00	5.00	2.00	7,000	N	N	100	500
0430CM34	38 2 13	113 6 44	30	7.00	10.00	>2.00	>10,000	N	N	70	2,000
0431CM34	38 0 23	113 3 7	20	7.00	5.00	>2.00	7,000	N	N	30	1,000
0432CM34	38 0 25	113 3 8	30	7.00	7.00	>2.00	10,000	N	N	50	1,000
0433CM34	38 0 24	113 3 4	20	10.00	10.00	2.00	5,000	N	N	<20	200

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0387CM32	7.0	N	N	70	150	100	500	20	<30	150	300
0390CM32	5.0	N	N	100	150	100	200	20	50	100	300
0391CM32	15.0	N	N	100	150	200	100	30	<50	100	200
0392CM32	<2.0	N	N	30	300	15	300	10	70	50	70
0393CM31	N	N	N	70	1,000	50	N	N	N	150	N
0394CM32	<2.0	N	N	100	500	15	300	7	<50	100	20
0395CM32	N	N	N	150	2,000	30	100	10	<50	100	100
0396CM32	<2.0	N	N	70	500	100	100	10	<30	100	100
0397CM32	<2.0	N	N	70	100	50	500	10	50	30	200
0398CM32	5.0	N	N	70	300	150	500	30	50	100	300
0399CM32	<2.0	N	N	70	150	10	100	7	50	20	150
0400CM32	3.0	N	N	100	700	100	500	50	70	100	300
0401CM32	<2.0	N	N	30	300	15	300	10	<50	50	70
0402CM32	10.0	N	N	100	150	200	300	30	50	100	200
0403CM23	2.0	N	N	100	700	70	500	70	50	150	150
0404CM23	2.0	N	N	70	1,000	70	500	150	50	200	150
0405CM23	<2.0	N	N	100	1,000	200	1,000	300	<50	300	200
0406CM23	2.0	N	N	100	500	70	700	200	50	200	300
0407CM23	2.0	N	N	100	1,500	150	500	100	50	150	100
0408CM23	<2.0	N	N	100	700	100	700	100	50	500	100
0409CM23	<2.0	N	N	70	500	20	200	7	<50	70	20
0410CM32	<2.0	N	N	100	700	100	700	70	50	100	200
0411CM32	<2.0	N	N	100	200	50	50	7	50	20	70
0412CM32	10.0	N	N	100	200	300	500	7	<50	150	200
0413CM31	<2.0	N	N	150	1,000	70	1,500	N	50	150	70
0414CM31	<2.0	N	N	70	700	70	1,000	30	50	150	70
0415CM31	<2.0	N	N	100	500	70	700	10	50	100	100
0416CM31	N	N	N	70	1,000	15	70	N	N	150	<20
0417CM31	N	N	N	70	500	30	100	7	N	150	<20
0418CM31	N	N	N	100	1,000	50	<50	N	N	300	20
0419CM31	<2.0	N	N	100	500	200	150	N	<50	100	150
0420CM34	10.0	N	N	200	100	700	100	10	N	200	500
0421CM34	<2.0	N	N	150	500	100	200	15	<50	100	200
0422CM34	N	N	N	100	500	200	500	7	50	100	100
0423CM34	N	N	N	70	1,000	70	50	N	<50	150	20
0424CM34	N	N	N	100	700	50	300	10	<50	70	70
0425CM34	N	N	N	70	1,000	20	70	N	<50	50	200
0426CM34	N	N	N	100	500	50	50	15	50	70	150
0427CM34	<2.0	N	N	50	150	20	100	N	70	20	70
0428CM34	N	N	N	100	1,000	100	150	N	N	100	100
0429CM34	<2.0	N	N	70	500	30	100	7	<50	50	30
0430CM34	N	N	N	100	1,500	100	200	10	50	100	100
0431CM34	N	N	N	100	300	100	200	N	<50	50	50
0432CM34	N	N	N	100	700	150	150	7	<50	70	50
0433CM34	N	N	N	70	300	30	700	N	<50	100	<20

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0337CM32	N	N	N	500	N	1,000.0	500	500	N
0338CM32	N	N	N	500	N	200.0	500	500	N
0339CM32	N	N	<200	1,000	N	100.0	500	200	N
0339CM32	N	N	<200	1,000	N	5,000.0	N	2,000	N
0339CM31	N	N	<200	300	N	70.0	N	200	N
0339CM32	N	N	<200	700	N	100.0	N	200	N
0339CM32	N	N	<200	1,500	N	70.0	1,000	300	N
0339CM32	N	N	<200	1,500	N	50.0	N	300	N
0339CM32	N	N	N	700	N	70.0	N	2,000	N
0339CM32	N	N	N	1,000	N	70.0	N	500	N
0339CM32	N	N	N	700	N	50.0	N	1,000	N
0400CM32	N	N	200	1,000	N	200.0	1,000	700	N
0401CM32	N	N	N	700	N	2,000.0	N	700	N
0402CM32	N	N	N	700	N	100.0	N	200	N
0403CM23	N	N	N	500	N	70.0	1,500	500	N
0404CM23	N	N	<200	700	N	100.0	1,500	1,000	N
0405CM23	N	N	<200	1,000	N	100.0	2,000	1,500	N
0406CM23	N	N	<200	1,000	N	100.0	5,000	500	N
0407CM23	N	N	N	1,000	N	100.0	2,000	1,500	N
0408CM23	N	N	<200	1,000	N	200.0	2,000	1,500	N
0409CM23	N	N	N	1,000	N	150.0	500	500	N
0410CM32	N	N	<200	1,000	N	150.0	500	1,500	N
0411CM32	N	N	N	1,000	N	100.0	2,000	2,000	N
0412CM32	N	N	<200	500	N	150.0	1,500	500	N
0413CM31	N	N	N	1,000	N	300.0	N	500	N
0414CM31	N	N	200	500	N	150.0	N	500	N
0415CM31	N	N	<200	700	N	200.0	N	1,000	N
0416CM31	N	N	<200	700	N	50.0	N	150	N
0417CM31	N	N	200	500	N	50.0	N	70	N
0418CM31	N	N	200	500	N	70.0	N	200	N
0419CM31	N	N	<200	1,500	N	70.0	1,000	1,500	N
0420CM34	N	N	N	200	200	70.0	500	70	N
0421CM34	N	N	N	2,000	N	70.0	500	500	N
0422CM34	N	N	N	700	N	150.0	700	1,000	N
0423CM34	N	N	N	500	N	50.0	N	500	N
0424CM34	N	N	<200	700	N	150.0	N	700	N
0425CM34	N	N	N	700	N	200.0	1,000	1,000	N
0426CM34	N	N	<200	500	N	200.0	1,000	500	N
0427CM34	N	20	N	500	N	150.0	1,500	2,000	N
0428CM34	N	N	200	1,000	N	70.0	300	150	N
0429CM34	N	N	200	500	N	70.0	700	150	N
0430CM34	N	N	<200	1,000	N	150.0	500	300	N
0431CM34	N	N	<200	700	N	100.0	500	300	N
0432CM34	N	N	<200	1,000	N	100.0	500	300	N
0433CM34	N	N	N	700	N	100.0	N	700	N

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0435CM31	38 24 1	113 29 48	30	10.00	10.00	2.00	7,000	N	N	30	500
0435CM32	38 20 5	113 30 18	30	5.00	3.00	>2.00	5,000	N	N	30	1,000
0435CM31	38 19 4	113 32 54	30	2.00	2.00	>2.00	5,000	N	N	20	500
0435CM32	38 18 22	113 34 25	50	.50	1.00	>2.00	5,000	N	N	20	500
0435CM32	38 17 45	113 39 35	30	2.00	1.50	>2.00	7,000	N	N	70	700
0435CM33	38 3 46	113 38 33	30	2.00	1.50	>2.00	10,000	N	N	30	2,000
0435CM33	38 0 4	113 38 5	50	2.00	1.50	>2.00	5,000	N	N	30	1,500
0435CM33	38 1 37	113 39 42	50	2.00	1.00	>2.00	7,000	N	N	20	2,000
0435CM33	38 1 54	113 42 30	30	.50	1.00	>2.00	5,000	N	N	30	500
0435CM33	38 0 46	113 43 20	30	1.50	1.50	2.00	10,000	N	N	50	2,000
0435CM33	38 3 42	113 42 26	30	.20	.50	>2.00	>10,000	N	N	20	<50
0435CM32	38 3 42	113 43 12	20	5.00	5.00	1.50	5,000	N	N	20	300
0435CM33	38 5 38	113 41 46	50	.10	.50	>2.00	>10,000	N	N	20	<50
0435CM33	38 5 27	113 44 2	30	.20	.70	>2.00	>10,000	N	N	30	50
0435CM33	38 3 35	113 43 3	50	.70	1.00	2.00	10,000	N	N	30	1,000
0435CM33	38 0 36	113 47 12	30	1.00	1.00	>2.00	10,000	N	N	20	700
0435CM33	38 0 7	113 47 18	50	2.00	1.00	>2.00	10,000	N	N	20	1,000
0435CM31	38 19 12	113 28 16	20	10.00	15.00	1.50	10,000	N	N	<20	2,000
0435CM32	38 18 40	113 31 8	30	3.00	3.00	2.00	5,000	N	1,000	<20	1,000
0435CM32	38 16 57	113 35 37	30	1.50	.50	>2.00	1,500	N	N	20	500
0435CM32	38 15 59	113 36 58	30	1.00	1.00	>2.00	2,000	N	500	50	500
0435CM32	38 15 59	113 36 28	30	7.00	7.00	1.00	7,000	1.0	700	30	500
0435CM31	38 17 12	113 29 54	30	1.50	1.00	1.00	2,000	N	N	<20	1,000
0435CM32	38 16 29	113 30 18	30	1.00	1.50	1.50	3,000	N	N	20	1,000
0435CM31	38 16 48	113 29 39	30	1.50	1.50	1.00	1,500	5.0	N	20	700
0435CM32	38 17 35	113 33 49	50	1.00	1.00	.70	5,000	N	2,000	100	500
0435CM32	38 16 0	113 32 43	50	1.00	1.50	1.00	3,000	N	700	<20	700
0435CM32	38 15 24	113 31 42	30	.20	1.00	1.00	2,000	N	N	30	700
0435CM33	38 14 55	113 30 51	50	.50	1.00	>2.00	5,000	N	N	20	1,000
0435CM33	38 13 52	113 26 22	30	2.00	2.00	1.50	>10,000	N	1,000	20	2,000
0435CM31	38 15 21	113 26 1	30	1.00	1.00	>2.00	>10,000	N	N	30	700
0435CM31	38 15 20	113 26 41	30	.70	1.00	2.00	>10,000	N	N	<20	100
0435CM33	38 10 19	113 30 54	30	.70	1.00	.70	2,000	.7	N	50	700
0435CM33	38 11 35	113 50 6	30	2.00	7.00	2.00	5,000	1.5	N	30	500
0435CM33	38 13 0	113 50 27	50	3.00	2.00	>2.00	5,000	N	N	30	700
0435CM33	38 12 54	113 50 17	30	5.00	7.00	2.00	5,000	N	N	50	500
0435CM33	38 10 49	113 47 50	30	1.50	1.50	1.50	1,500	N	N	20	300
0435CM33	38 10 18	113 49 21	30	1.00	1.00	>2.00	3,000	N	N	50	500
0435CM33	38 10 18	113 49 23	30	.70	1.00	>2.00	3,000	N	N	20	300
0435CM33	38 10 6	113 49 47	30	1.00	7.00	2.00	1,500	N	N	<20	300
0435CM33	38 10 6	113 49 25	50	.70	1.00	>2.00	2,000	N	N	30	500
0435CM33	38 8 58	113 47 43	30	.70	1.00	.70	2,000	N	N	30	500
0435CM33	38 7 43	113 47 49	30	1.50	2.00	1.00	2,000	1.0	500	30	200
0435CM33	38 7 25	113 48 21	30	1.50	1.50	>2.00	5,000	.7	700	30	700

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CB	S-CD	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-P3
0434CM31	N	N	N	100	500	10	100	N	<50	100	N
0436CM32	<2.0	N	N	150	700	50	100	7	<50	100	30
0437CM31	<2.0	N	N	100	200	30	700	N	50	50	70
0438CM32	<2.0	N	N	100	200	20	100	N	70	70	300
0441CM32	2.0	N	N	70	1,000	200	300	N	50	150	150
0442CM33	7.0	N	N	100	200	200	500	20	500	70	300
0444CM33	<2.0	N	N	100	500	150	300	N	<50	70	150
0446CM33	<2.0	N	N	150	700	100	200	N	N	150	100
0448CM33	3.0	N	N	100	500	70	700	7	70	70	300
0449CM33	5.0	N	N	70	300	70	500	7	150	70	500
0450CM33	20.0	N	N	10	20	10	500	200	300	N	50
0451CM32	<2.0	N	N	150	500	100	100	N	<50	100	20
0452CM33	50.0	N	N	<10	<20	15	100	200	1,000	N	50
0453CM33	15.0	N	N	15	50	20	1,000	100	2,000	<10	70
0456CM33	7.0	N	N	100	200	200	700	15	70	200	150
0457CM33	<2.0	N	N	100	200	70	200	7	70	50	150
0458CM33	<2.0	N	N	100	500	150	500	7	70	100	200
0459CM33	<2.0	N	N	100	200	70	500	10	50	70	150
0461CM31	N	N	N	100	3,000	100	300	10	N	300	200
0462CM23	5.0	N	N	200	300	100	300	150	70	200	200
0464CM32	5.0	N	N	50	150	100	200	7	70	70	150
0465CM32	5.0	N	N	50	200	200	100	7	<50	70	70
0466CM32	7.0	N	N	100	200	150	300	100	<30	200	300
0467CM31	7.0	N	N	100	200	200	200	20	<50	100	200
0468CM32	5.0	N	N	70	300	150	200	10	<30	100	200
0469CM31	3.0	N	N	70	200	200	100	10	<50	100	200
0471CM32	7.0	N	N	70	100	300	150	70	N	300	150
0472CM32	5.0	N	N	70	300	200	300	30	<50	70	300
0474CM32	2.0	N	N	150	300	300	500	N	<50	100	300
0475CM33	2.0	N	N	70	500	100	500	N	<50	70	300
0476CM33	5.0	N	N	500	200	200	700	150	50	150	2,000
0478CM31	15.0	N	N	30	500	50	700	200	300	50	1,000
0479CM31	20.0	N	N	N	50	20	100	150	700	10	150
0480CM33	7.0	N	N	100	150	200	<50	7	<50	70	700
0482CM33	5.0	N	N	100	200	300	100	20	50	50	300
0483CM33	2.0	N	N	100	1,500	200	200	7	<50	100	200
0484CM33	2.0	N	N	100	150	200	300	30	50	50	300
0485CM33	<2.0	N	N	70	700	100	150	7	<30	100	150
0486CM33	2.0	N	N	70	500	70	500	N	70	30	150
0487CM33	<2.0	N	N	50	700	50	500	N	50	70	200
0488CM33	5.0	N	N	50	500	50	300	N	70	50	150
0490CM33	N	N	N	100	1,500	20	70	N	<50	70	100
0493CM33	<2.0	N	N	150	700	200	100	N	<50	100	300
0495CM33	3.0	N	N	150	200	300	500	10	<50	100	30
0496CM33	5.0	N	N	70	200	300	>2,000	100	<50	100	500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0434CM31	N	N	<200	750	N	150.0	700	200	N
0436CM32	N	N	N	1,000	N	100.0	N	300	N
0437CM31	N	N	N	1,000	N	100.0	1,000	2,000	N
0438CM32	N	N	N	1,000	N	70.0	N	>2,000	N
0441CM32	N	N	200	1,000	N	500.0	N	700	N
0442CM33	N	100	300	700	N	200.0	1,000	500	N
0444CM33	N	N	N	1,500	N	70.0	N	700	N
0445CM33	N	N	<200	1,500	N	70.0	1,000	1,000	N
0448CM33	N	N	N	1,000	N	150.0	500	700	N
0449CM33	N	N	<200	1,000	N	150.0	700	700	N
0450CM33	N	100	N	150	N	300.0	2,000	200	N
0451CM32	N	N	<200	700	N	150.0	N	500	N
0452CM33	N	200	N	70	N	300.0	2,000	2,000	N
0453CM33	N	300	N	150	N	200.0	1,500	1,000	N
0455CM33	N	N	<200	1,000	N	200.0	700	500	N
0457CM33	N	N	N	1,000	N	50.0	N	500	N
0458CM33	N	N	N	1,000	N	70.0	N	700	N
0459CM33	N	N	N	1,000	N	70.0	N	200	N
0461CM31	N	N	200	700	N	150.0	N	150	N
0462CM33	N	N	<200	700	N	150.0	700	1,000	N
0464CM32	N	N	200	700	N	100.0	N	500	N
0465CM32	N	N	200	700	N	150.0	300	1,500	N
0466CM32	N	N	N	500	N	70.0	500	500	N
0467CM31	N	N	500	500	N	100.0	1,000	1,500	N
0468CM32	N	N	200	700	N	70.0	N	1,000	N
0469CM31	N	N	200	700	N	70.0	300	700	N
0471CM32	N	N	N	700	N	70.0	1,500	200	N
0472CM32	N	N	<200	700	N	100.0	N	1,500	N
0474CM32	N	N	200	500	N	70.0	N	1,000	N
0475CM33	N	N	<200	1,000	N	100.0	N	1,500	N
0476CM33	N	N	N	700	N	100.0	700	1,000	N
0478CM31	N	150	N	500	N	700.0	1,000	1,500	N
0479CM31	N	500	N	150	N	700.0	2,000	1,500	200
0480CM33	N	N	200	500	N	70.0	500	300	N
0482CM33	N	N	700	700	N	100.0	N	>2,000	N
0483CM33	N	N	200	1,000	N	70.0	N	1,500	N
0484CM33	N	N	700	500	N	100.0	N	2,000	N
0485CM33	N	N	<200	1,000	N	70.0	300	300	N
0486CM33	N	N	<200	1,000	N	70.0	300	1,000	N
0487CM33	N	N	<200	1,500	N	70.0	300	1,000	N
0488CM33	N	N	700	100	N	70.0	N	1,000	N
0490CM33	N	N	N	3,000	N	50.0	500	1,500	N
0493CM33	N	N	<200	1,000	N	70.0	700	500	N
0495CM33	N	N	300	500	N	100.0	N	>2,000	150
0496CM33	N	N	<200	700	N	100.0	700	1,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MG%	S-CA%	S-YI%	S-MN	S-AG	S-AS	S-B	S-BA
C498CM33	38 7 50	113 45 26	30	.50	1.50	>2.00	5,000	N	N	20	500
U499CM33	38 8 45	113 45 52	50	1.50	2.00	>2.00	3,000	N	N	<20	500
G500CM33	38 13 35	113 48 58	30	2.00	3.00	>2.00	5,000	N	N	<20	1,500
O542CM33	38 14 27	113 49 4	30	3.00	2.00	>2.00	7,000	N	N	20	200
Q503CM33	38 11 55	113 53 8	30	3.00	5.00	>2.00	5,000	N	N	30	200
O544CM33	38 11 16	113 53 3	30	1.00	2.00	>2.00	2,000	N	N	30	200
O505CM33	38 11 39	113 54 15	30	1.50	1.50	2.00	2,000	N	N	<20	300
O506CM33	38 14 7	113 53 14	30	5.00	10.00	1.50	5,000	N	N	20	200
O508CM42	38 24 19	112 49 18	30	5.00	7.00	>2.00	7,000	N	N	<20	150
O511CM33	38 0 49	113 51 21	30	2.00	3.00	>2.00	5,000	N	N	<20	500
O514CM33	38 5 29	113 49 17	30	.50	1.00	>2.00	3,000	N	N	20	300
O515CM33	38 7 45	113 52 17	30	.70	3.00	>2.00	3,000	2.0	N	<20	300
O517CM33	38 9 2	113 52 7	30	.70	1.50	1.50	1,000	N	N	30	200
O518CM33	38 8 49	113 52 38	30	2.00	2.00	1.00	1,000	1.5	N	30	300
O523CM32	38 15 53	113 53 17	15	7.00	10.00	1.00	3,000	N	N	20	300
O525CM31	38 16 30	113 55 12	20	7.00	5.00	>2.00	5,000	N	N	20	300
O526CM32	38 17 2	113 54 34	15	5.00	7.00	1.00	3,000	N	N	70	500
O528CM32	38 17 4	113 55 46	30	3.00	7.00	2.00	3,000	.7	1,500	70	500
O529CM32	38 17 38	113 57 0	30	5.00	3.00	1.00	5,000	N	2,000	30	500
O531CM32	38 18 36	113 57 28	30	5.00	10.00	2.00	7,000	N	500	50	700
O531CM32	38 18 33	113 55 25	20	7.00	7.00	1.50	5,000	N	N	20	300
O533CM32	38 19 18	113 51 4	30	5.00	3.00	>2.00	5,000	N	N	20	300
O534CM32	38 19 55	113 51 3	30	5.00	7.00	>2.00	5,000	N	N	30	300
O538CM32	38 19 23	113 48 10	50	5.00	7.00	>2.00	7,000	N	N	<20	200
O539CM32	38 19 28	113 48 10	50	2.00	3.00	2.00	7,000	N	N	<20	150
O540CM32	38 19 28	113 48 12	30	2.00	1.50	>2.00	5,000	N	N	20	300
O541CM32	38 18 57	113 47 34	20	10.00	5.00	2.00	5,000	N	N	20	300
O542CM42	38 27 7	112 49 33	20	2.00	5.00	>2.00	>10,000	N	N	30	1,500
O543CM42	38 28 1	112 45 36	20	2.00	7.00	>2.00	10,000	N	N	20	1,500
O544CM42	38 26 12	112 46 11	20	.50	1.50	1.50	>10,000	2.0	N	30	>10,000
O545CM42	38 26 48	112 47 45	20	2.00	5.00	>2.00	>10,000	N	N	50	700
O546CM42	38 23 11	112 46 40	20	5.00	2.00	>2.00	10,000	N	N	30	500
O547CM42	38 22 32	112 47 17	20	1.50	1.50	>2.00	10,000	N	N	20	300
O548CM42	38 21 53	112 47 32	20	2.00	5.00	>2.00	>10,000	N	N	20	700
O549CM42	38 20 15	112 48 6	20	1.50	5.00	>2.00	10,000	N	N	<20	150
O550CM42	38 16 13	112 49 17	50	5.00	10.00	>2.00	5,000	N	N	<20	300
O551CM43	38 11 38	112 50 35	50	.70	1.50	>2.00	10,000	2.0	500	30	700
O552CM43	38 12 5	112 48 6	30	5.00	2.00	>2.00	10,000	N	N	30	1,000
O553CM43	38 11 23	112 47 34	30	5.00	7.00	2.00	7,000	N	N	20	700
O554CM43	38 12 3	112 45 31	30	5.00	10.00	>2.00	5,000	N	N	<20	100
O555CM43	38 8 24	112 47 47	30	7.00	10.00	1.50	3,000	N	N	20	100
O556CM43	38 8 4	112 50 14	20	10.00	15.00	1.00	7,000	N	N	20	1,000
O557CM31	38 8 42	112 55 2	30	7.00	1.50	>2.00	10,000	N	N	20	500
O558CM43	38 3 22	112 56 53	30	7.00	10.00	2.00	5,000	N	N	20	300
O559CM43	38 11 9	112 53 50	30	1.00	1.50	>2.00	5,000	N	N	30	500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0498CM33	N	N	N	150	500	70	500	7	<50	100	300
0499CM33	N	N	N	70	700	70	700	7	50	100	100
0500CM33	5.0	N	N	70	200	50	500	10	50	70	200
0502CM33	<2.0	N	N	100	200	20	2,000	10	50	50	100
0503CM33	2.0	N	N	70	150	70	500	10	50	50	200
0514CM33	2.0	N	N	100	500	70	300	7	50	50	300
0515CM33	N	N	N	70	500	70	700	N	50	100	70
0516CM33	N	N	N	70	500	15	150	N	<50	50	150
0517CM33	5.0	N	N	100	300	100	500	10	<50	70	200
0518CM33	3.0	N	N	150	200	500	300	15	<50	100	1,000
0523CM32	<2.0	N	N	70	150	<10	150	N	<50	70	20
0525CM31	<2.0	N	N	70	300	10	300	N	<50	50	30
0526CM32	<2.0	N	N	50	300	20	700	N	N	20	100
0528CM32	2.0	15	N	100	100	50	700	20	50	70	500
0529CM32	5.0	N	N	100	300	300	300	100	<50	100	500
0535CM32	2.0	N	N	150	300	200	200	50	<50	2,000	300
0537CM32	N	N	N	50	150	10	1,000	N	<50	50	70
0538CM32	N	N	N	100	300	15	1,500	N	50	70	50
0539CM32	N	N	N	70	200	15	2,000	N	70	30	50
0540CM32	N	N	N	150	300	20	>2,000	N	70	100	70
0541CM32	N	N	N	150	300	20	>2,000	N	70	100	100
0542CM42	2.0	N	N	70	100	50	>2,000	20	<50	70	150
0543CM42	7.0	30	N	N	20	100	2,000	100	200	10	3,000
0545CM42	3.0	20	N	30	200	50	>2,000	10	200	20	1,000
0546CM42	150.0	20	N	N	100	70	>2,000	N	500	10	200
0547CM42	5.0	20	N	N	20	10	>2,000	10	300	10	200
0548CM42	N	20	N	N	50	20	>2,000	15	500	10	150
0549CM42	<2.0	N	N	100	200	20	>2,000	10	5,000	20	150
0550CM42	N	N	N	150	1,000	200	50	N	<50	200	20
0551CM43	5.0	N	N	150	300	200	150	N	50	70	300
0552CM43	<2.0	N	N	100	700	70	500	N	<50	200	200
0553CM43	N	N	N	100	1,000	70	500	N	<50	200	70
0554CM43	N	N	N	100	700	70	150	N	50	100	20
0555CM43	N	N	N	70	700	50	150	N	<50	150	<20
0556CM43	N	N	N	70	500	70	100	N	50	100	50
0557CM31	<2.0	N	N	70	500	30	200	N	<50	50	20
0558CM43	N	N	N	100	500	50	200	N	<50	200	30
0559CM43	<2.0	N	N	100	500	30	300	N	<50	70	200

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-SV	S-SW	S-Y	S-ZN	S-ZR	S-TH
0430CM3	N	N	N	1,000	N	100.0	N	1,500	N
0430CM3	N	N	N	1,500	N	100.0	N	1,000	N
0500CM3	N	N	200	500	N	100.0	N	500	N
0500CM3	N	N	N	700	N	200.0	300	1,000	N
0500CM3	N	N	300	500	N	100.0	N	2,000	N
0500CM3	N	N	500	1,000	N	70.0	N	1,000	N
0500CM3	N	N	500	1,000	N	70.0	N	700	N
0500CM3	N	N	<200	1,000	N	150.0	N	>2,000	N
0500CM4	N	20	N	150	N	150.0	N	1,000	500
0510CM3	N	N	N	1,000	N	70.0	500	1,500	N
0510CM3	N	N	N	1,500	N	70.0	500	1,000	N
0510CM3	N	N	200	1,000	N	70.0	300	1,000	N
0510CM3	N	N	300	500	N	100.0	N	500	N
0510CM3	N	N	200	500	N	150.0	500	2,000	N
0510CM3	N	N	200	500	N	200.0	N	200	N
0520CM3	N	N	<200	700	N	100.0	N	1,500	N
0520CM3	N	N	700	300	N	70.0	N	300	N
0520CM3	N	N	<200	300	N	150.0	N	1,000	150
0520CM3	N	N	<200	500	N	100.0	300	500	N
0520CM3	N	N	N	1,000	N	70.0	700	1,000	N
0520CM3	N	N	<200	300	N	150.0	N	500	N
0520CM3	N	N	N	1,000	N	150.0	500	1,000	150
0520CM3	N	N	N	300	N	200.0	N	1,000	200
0520CM3	N	N	N	2,000	N	700.0	N	500	300
0520CM3	N	N	N	2,000	N	300.0	1,000	700	200
0520CM3	N	N	N	3,000	N	200.0	N	1,000	200
0520CM3	N	N	<200	50	N	200.0	N	300	150
0520CM3	N	N	300	150	N	700.0	N	>2,000	300
0520CM3	N	N	500	500	N	300.0	N	2,000	500
0520CM3	N	N	500	200	N	700.0	1,500	>2,000	1,500
0520CM3	N	N	700	200	N	500.0	N	2,000	500
0520CM3	N	N	N	200	N	3,000.0	N	2,000	1,000
0520CM3	N	N	N	150	N	2,000.0	N	500	1,000
0520CM3	N	N	N	150	N	1,000.0	N	2,000	1,000
0520CM3	N	N	N	200	N	3,000.0	N	>2,000	1,000
0520CM3	N	N	N	1,000	N	70.0	N	100	N
0520CM3	N	N	N	1,500	N	150.0	700	1,000	N
0520CM3	N	N	N	700	N	150.0	N	1,500	N
0520CM3	N	N	<200	700	N	100.0	300	2,000	N
0520CM3	N	N	N	1,000	N	70.0	300	700	N
0520CM3	N	N	<200	500	N	70.0	N	500	N
0520CM3	N	N	200	500	N	70.0	N	100	N
0520CM3	N	N	<200	700	N	70.0	1,000	200	N
0520CM3	N	N	200	500	N	50.0	N	500	N
0520CM3	N	N	200	500	N	70.0	N	500	N
0520CM3	N	N	<200	2,000	N	100.0	300	200	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-B	S-BA
0560CM43	38 6 58	112 56 23	20	7.00	7.00	>2.00	7,000	N	N	20	1,000
0561CM43	38 5 42	112 56 16	20	7.00	10.00	2.00	3,000	N	N	<20	200
0562CM42	38 0 23	112 53 58	20	7.00	1.50	1.50	3,000	N	N	50	300
0563CM43	38 13 29	112 53 16	20	7.00	7.00	1.50	3,000	N	N	30	3,000
0564CM42	38 18 2	112 46 41	30	2.00	5.00	>2.00	1,000	N	N	30	500
0565CM42	38 18 47	112 46 20	30	2.00	7.00	>2.00	1,000	N	N	20	300
0566CM42	38 20 2	112 45 53	30	1.00	3.00	>2.00	>10,000	N	N	20	300
0567CM42	38 20 34	112 51 46	10	3.00	10.00	>2.00	10,000	N	N	<20	100
0568CM42	38 19 53	112 51 9	10	2.00	10.00	>2.00	10,000	N	N	<20	150
0569CM42	38 18 42	112 50 29	30	2.00	5.00	>2.00	7,000	N	N	<20	300
0570CM42	38 18 5	112 49 11	30	2.00	5.00	>2.00	5,000	1.0	N	20	200
0571CM42	38 18 45	112 48 32	50	5.00	5.00	>2.00	5,000	N	N	<20	500
0572CM42	38 17 2	112 46 43	30	7.00	7.00	>2.00	5,000	N	N	20	300
0573CM42	38 17 14	112 49 49	30	7.00	7.00	2.00	3,000	N	N	20	150
0574CM42	38 21 57	112 51 22	20	7.00	3.00	>2.00	7,000	N	N	<20	700
0575CM42	38 6 2	113 25 47	30	2.00	3.00	>2.00	5,000	N	N	<20	1,000
0576CM42	38 4 51	113 27 1	30	5.00	5.00	>2.00	7,000	N	N	<20	1,000
0577CM42	38 4 16	113 27 59	50	1.50	3.00	>2.00	5,000	N	N	<20	1,000
0578CM42	38 1 33	113 27 57	30	3.00	5.00	>2.00	7,000	N	N	<20	1,500
0579CM42	38 16 33	113 46 25	30	5.00	5.00	>2.00	5,000	N	N	<20	100
0580CM42	38 14 49	113 50 54	30	7.00	15.00	2.00	2,000	N	N	<20	300
0581CM42	38 21 4	112 47 26	15	3.00	7.00	>2.00	3,000	N	N	<20	300
0582CM42	38 24 43	112 46 3	20	3.00	5.00	>2.00	5,000	N	N	<20	300
0583CM42	38 15 25	112 49 13	30	7.00	10.00	1.50	3,000	N	N	<20	500
0584CM42	38 7 12	112 48 22	30	10.00	10.00	2.00	7,000	N	N	<20	150
0585CM42	38 5 41	112 47 0	20	10.00	10.00	1.50	3,000	N	N	<20	150
0586CM42	38 3 53	112 45 12	20	10.00	15.00	1.00	7,000	5.0	N	20	1,000
0587CM42	38 2 22	112 46 4	20	10.00	15.00	.70	3,000	N	N	<20	100
0588CM42	38 1 58	112 47 34	15	7.00	15.00	1.00	3,000	N	N	30	150
0589CM42	38 2 48	112 47 49	20	7.00	15.00	1.00	3,000	N	N	<20	150
0590CM42	38 2 46	112 49 32	20	10.00	15.00	1.00	3,000	N	N	<20	150
0591CM42	38 1 25	112 49 1	20	10.00	15.00	.70	5,000	N	N	<20	200
0592CM42	38 1 20	112 51 50	20	7.00	15.00	1.00	7,000	N	N	<20	1,000
0593CM42	38 31 47	113 29 16	20	15.00	10.00	1.50	7,000	N	N	<20	1,000
0594CM42	38 33 19	113 28 5	30	3.00	3.00	1.50	5,000	N	N	30	700
0595CM42	38 33 11	113 30 32	30	5.00	3.00	1.50	10,000	N	N	20	2,000
0596CM42	38 36 35	113 30 21	30	7.00	5.00	>2.00	7,000	N	N	30	500
0597CM42	38 36 15	113 26 16	20	7.00	5.00	>2.00	7,000	N	N	50	500
0598CM42	38 36 53	113 27 20	30	5.00	5.00	>2.00	5,000	N	N	50	500
0599CM42	38 38 9	113 28 22	30	5.00	3.00	>2.00	5,000	N	N	70	500
0600CM42	38 38 35	113 31 30	30	7.00	7.00	>2.00	10,000	N	N	30	500
0601CM42	38 38 7	113 33 3	20	2.00	3.00	1.50	3,000	N	N	50	300
0602CM42	38 37 37	113 33 59	20	5.00	5.00	1.00	3,000	N	N	20	150
0603CM42	38 37 2	113 33 12	30	3.00	3.00	.70	2,000	N	300	20	150
0604CM42	38 36 59	113 33 9	30	5.00	5.00	1.00	2,000	N	300	20	150

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0560CM43	<2.0	N	N	70	300	70	<30	N	<50	50	20
0561CM43	N	N	N	70	300	30	150	N	N	70	<20
0562CM42	N	N	N	70	200	50	N	N	N	20	20
0563CM43	<2.0	N	N	70	1,500	150	100	7	N	150	100
0564CM42	7.0	15	N	200	150	500	>2,000	20	500	100	300
0565CM42	2.0	20	N	70	150	70	>2,000	20	700	50	200
0566CM42	10.0	30	N	100	150	100	>2,000	15	>5,000	20	300
0567CM42	<2.0	N	N	70	50	50	>2,000	15	200	20	70
0568CM42	3.0	N	N	50	70	50	>2,000	15	500	20	100
0569CM42	2.0	N	N	500	70	70	>2,000	20	500	70	150
0570CM42	76.0	15	N	500	100	500	>2,000	30	1,000	200	1,500
0571CM42	7.0	30	N	150	100	100	>2,000	20	700	100	200
0572CM42	7.0	N	N	100	500	70	>2,000	15	300	100	150
0573CM42	N	N	N	70	1,000	70	100	7	N	100	150
0574CM42	5.0	N	N	70	100	50	2,000	10	300	70	70
0575CM42	N	N	N	70	300	50	700	20	70	100	70
0576CM34	<2.0	N	N	70	300	50	300	7	50	70	70
0577CM34	N	N	N	70	300	50	300	7	50	70	150
0578CM34	N	N	N	70	500	50	1,500	7	50	150	70
0579CM34	N	N	N	70	500	50	700	7	70	100	70
0580CM32	N	N	N	100	500	50	1,000	7	70	100	70
0581CM32	N	N	N	70	300	15	150	N	<50	50	70
0582CM42	2.0	N	N	70	70	70	>2,000	20	300	20	100
0583CM42	7.0	N	N	50	30	70	>2,000	10	300	30	200
0584CM42	<2.0	N	N	70	700	100	100	N	<50	100	20
0585CM43	N	N	N	70	500	50	N	N	<50	70	20
0586CM43	N	N	N	70	700	70	50	20	<50	100	<20
0587CM43	N	N	N	70	300	70	N	N	N	50	<20
0588CM43	N	20	N	50	500	200	N	N	N	50	200
0589CM43	N	N	N	50	150	50	70	N	<50	30	20
0590CM42	N	N	N	70	300	50	N	N	N	50	<20
0591CM42	N	N	N	50	150	70	N	N	N	30	<20
0592CM43	N	N	N	70	300	50	N	N	N	50	<20
0593CM43	N	N	N	50	150	70	N	N	N	30	<20
0594CM43	N	N	N	70	500	50	N	N	<50	150	<20
0600CM43	N	N	N	70	200	50	N	N	<50	50	<20
0601CM24	N	N	N	100	2,000	20	N	N	N	200	N
0602CM24	2.0	N	N	100	500	70	150	15	<50	100	150
0603CM23	5.0	N	N	150	500	100	700	15	<50	150	300
0604CM23	2.0	N	N	100	300	50	700	15	50	100	150
0605CM24	3.0	N	N	100	500	50	500	15	<50	100	500
0606CM24	2.0	N	N	100	500	70	500	30	50	100	150
0607CM24	3.0	N	N	100	300	50	1,000	10	<50	100	200
0608CM23	<2.0	N	N	100	500	100	1,000	7	50	100	200
0609CM23	5.0	N	N	70	150	150	700	20	<50	100	300
0610CM23	3.0	N	N	50	100	100	500	20	<50	100	150
0611CM23	7.0	N	N	70	150	150	300	30	<50	150	150
0612CM23	5.0	N	N	70	150	100	300	30	50	150	150

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0540CM43	N	N	300	300	N	50.0	N	200	N
0541CM43	N	N	<200	700	N	50.0	N	150	N
0542CM42	N	N	N	500	N	50.0	N	70	N
0543CM43	N	N	200	700	N	70.0	300	150	N
0544CM42	N	200	<200	300	N	500.0	N	700	500
0545CM42	N	150	N	260	N	1,000.0	N	2,000	700
0546CM42	N	300	N	200	N	3,000.0	N	>2,000	1,000
0547CM42	N	100	N	150	N	2,000.0	N	1,000	500
0548CM42	N	100	N	200	N	2,000.0	N	2,000	700
0549CM42	N	70	N	100	N	700.0	N	2,000	1,000
0571CM42	N	50	N	200	N	2,000.0	N	2,000	500
0572CM42	N	100	N	150	100	700.0	N	1,500	700
0573CM42	N	150	<200	500	N	700.0	N	1,000	200
0574CM42	N	N	N	1,500	N	70.0	N	150	N
0575CM42	N	30	N	150	N	500.0	300	1,000	150
0576CM34	N	N	N	1,000	N	150.0	N	300	N
0578CM34	N	N	<200	1,000	N	100.0	N	700	N
0579CM34	N	N	N	1,500	N	100.0	N	500	N
0583CM34	N	100	<200	1,000	N	150.0	N	700	N
0585CM32	N	N	N	2,000	N	200.0	500	1,500	N
0586CM32	N	N	N	700	N	150.0	N	2,000	N
0588CM42	N	150	N	150	N	500.0	N	1,000	700
0589CM42	N	100	300	200	N	300.0	500	500	200
0591CM42	N	N	200	700	N	100.0	N	300	N
0592CM43	N	N	N	1,000	N	70.0	300	100	N
0593CM43	N	N	<200	500	70	50.0	N	100	N
0594CM43	N	N	500	500	N	30.0	N	50	N
0595CM43	N	N	200	700	N	70.0	N	100	N
0596CM43	N	N	500	500	N	70.0	N	200	N
0597CM42	N	N	200	700	N	50.0	N	70	N
0598CM43	N	N	200	500	N	70.0	N	100	N
0599CM43	N	N	300	700	N	70.0	N	100	N
0600CM43	N	N	<200	700	N	70.0	N	1,000	N
0601CM24	N	N	200	700	N	70.0	300	100	N
0602CM24	N	N	N	700	N	100.0	N	200	N
0603CM23	N	N	200	500	N	150.0	500	300	N
0604CM23	N	N	<200	1,000	N	200.0	N	300	N
0605CM24	N	N	200	500	N	150.0	N	1,000	N
0606CM24	N	N	<200	700	N	200.0	N	500	N
0607CM24	N	N	<200	700	N	150.0	500	1,000	N
0608CM23	N	N	<200	1,000	N	200.0	N	2,000	N
0609CM23	N	N	N	500	N	100.0	300	300	N
0610CM23	N	N	N	700	N	70.0	N	300	N
0611CM23	N	N	N	1,000	N	100.0	300	700	N
0612CM23	N	N	N	700	N	100.0	N	200	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

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sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-ILX	S-MN	S-AG	S-AS	S-B	S-BA
0613CM23	38 39 36	113 33 44	30	5.00	5.00	1.50	5,000	N	N	50	500
0614CM23	38 40 58	113 33 12	50	5.00	5.00	2.00	3,000	N	N	70	300
0615CM23	38 44 24	113 34 24	30	5.00	5.00	2.00	3,000	N	N	<20	150
0616CM23	38 41 56	113 31 45	30	5.00	3.00	2.00	5,000	N	N	50	300
0617CM23	38 42 7	113 31 5	30	5.00	3.00	2.00	7,000	N	N	30	500
0618CM23	38 41 26	113 30 49	50	5.00	3.00	2.00	5,000	N	N	70	300
0619CM23	38 41 9	113 31 7	30	5.00	5.00	1.50	2,000	N	N	20	150
0620CM23	38 41 3	113 31 6	30	5.00	3.00	>2.00	5,000	N	N	50	300
0621CM21	38 48 24	113 23 51	20	7.00	10.00	2.00	3,000	N	N	20	150
0622CM21	38 52 9	113 27 29	30	5.00	10.00	2.00	5,000	N	N	<20	300
0623CM23	38 52 1	113 26 15	30	5.00	5.00	>2.00	7,000	N	N	50	300
0624CM21	38 49 41	113 27 34	20	7.00	5.00	>2.00	7,000	N	N	20	500
0625CM21	38 50 46	113 29 14	20	7.00	10.00	1.50	3,000	N	N	<20	300
0626CM21	38 51 15	113 29 34	30	5.00	3.00	>2.00	5,000	N	N	30	300
0627CM22	38 51 47	113 35 10	20	5.00	7.00	2.00	3,000	N	N	<20	200
0628CM22	38 51 23	113 34 56	30	5.00	7.00	2.00	3,000	N	N	20	100
0629CM22	38 49 9	113 33 44	30	5.00	7.00	>2.00	5,000	N	N	<20	200
0630CM22	38 47 11	113 34 5	30	2.00	2.00	>2.00	5,000	N	N	30	300
0631CM22	38 49 14	113 37 12	30	5.00	7.00	2.00	5,000	N	N	<20	150
0632CM21	38 48 15	113 21 18	30	5.00	3.00	>2.00	5,000	N	N	30	200
0633CM21	38 49 52	113 19 14	30	5.00	5.00	1.50	3,000	N	N	50	300
0634CM21	38 49 52	113 19 11	30	7.00	7.00	>2.00	7,000	N	N	30	300
0635CM21	38 49 54	113 19 9	20	7.00	7.00	1.50	5,000	N	N	20	200
0636CM21	38 51 50	113 21 4	30	5.00	7.00	>2.00	5,000	N	N	50	300
0637CM21	38 50 48	113 20 48	30	7.00	10.00	2.00	3,000	N	N	20	300
0638CM21	38 58 42	113 20 39	30	7.00	5.00	2.00	7,000	N	N	30	500
0639CM21	38 58 6	113 19 23	20	7.00	10.00	2.00	5,000	N	N	20	300
0640CM21	38 57 37	113 16 56	30	7.00	10.00	>2.00	5,000	N	N	30	300
0641CM21	38 55 35	113 24 14	30	5.00	3.00	>2.00	5,000	N	N	50	300
0642CM21	38 54 11	113 25 21	30	5.00	5.00	>2.00	5,000	N	N	50	500
0643CM21	38 54 34	113 26 49	30	7.00	3.00	>2.00	7,000	N	N	50	300
0644CM21	38 59 19	113 29 20	30	7.00	7.00	>2.00	500	N	N	70	300
0645CM21	38 57 13	113 29 6	30	7.00	5.00	>2.00	5,000	N	N	30	300
0646CM21	38 56 34	113 29 24	30	5.00	7.00	1.00	2,000	N	N	20	200
0647CM21	38 55 28	113 28 57	20	7.00	7.00	2.00	3,000	1.5	N	20	100
0648CM21	38 52 43	113 28 14	30	7.00	10.00	2.00	7,000	N	N	30	500
0649CM22	38 54 0	113 31 27	20	10.00	10.00	1.50	5,000	N	N	20	300
0650CM22	38 58 5	113 31 22	50	5.00	5.00	>2.00	5,000	N	N	20	300
0651CM22	38 53 12	113 32 35	30	5.00	5.00	>2.00	5,000	N	N	30	200
0652CM22	38 45 50	113 37 6	30	3.00	2.00	>2.00	7,000	N	N	30	500
0653CM22	38 45 34	113 34 18	30	5.00	7.00	>2.00	5,000	N	N	<20	150
0654CM24	38 41 31	113 29 5	30	5.00	3.00	>2.00	5,000	N	N	50	300
0655CM24	38 36 29	113 28 14	30	5.00	3.00	>2.00	5,000	N	N	30	500
0656CM24	38 31 14	113 27 50	20	10.00	10.00	1.00	2,000	N	N	20	500
0657CM21	38 47 20	113 21 3	30	5.00	3.00	>2.00	5,000	N	N	30	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0613CM23	7.0	N	N	70	200	100	700	70	N	100	200
0614CM23	3.0	N	N	70	500	50	1,000	50	<50	100	200
0615CM23	N	N	N	70	500	70	2,000	10	70	100	70
0616CM23	7.0	N	N	70	200	150	700	70	<50	100	200
0617CM23	2.0	N	N	70	300	70	700	30	50	70	150
0618CM23	5.0	N	N	70	300	150	1,000	70	N	100	300
0619CM23	30.0	N	N	70	200	100	1,500	50	50	100	100
0620CM23	7.0	N	N	100	200	70	700	30	<50	100	200
0621CM21	N	N	N	100	300	30	2,000	7	50	70	50
0622CM21	<2.0	N	N	70	300	100	2,000	15	50	150	150
0623CM23	<2.0	N	N	100	500	70	1,500	7	50	100	100
0624CM21	N	N	N	70	300	<10	>2,000	10	100	70	<20
0625CM21	<2.0	N	N	50	150	10	500	N	<50	100	<20
0626CM21	<2.0	N	N	100	1,000	50	2,000	N	50	100	100
0627CM22	N	N	N	50	500	100	1,500	30	50	70	70
0628CM22	N	N	N	70	700	50	2,000	30	70	100	150
0629CM22	<2.0	N	N	70	300	70	>2,000	7	70	100	70
0630CM22	<2.0	N	N	100	300	100	1,500	7	50	100	100
0631CM22	<2.0	N	N	70	300	70	1,500	20	70	70	70
0632CM21	<2.0	N	N	100	1,000	30	1,000	10	50	70	50
0633CM21	<2.0	N	N	100	300	100	1,500	50	<50	100	200
0634CM21	2.0	N	N	100	300	70	500	30	50	70	150
0635CM21	2.0	N	N	50	200	70	500	30	<50	100	100
0636CM21	N	N	N	100	500	70	1,500	30	50	100	150
0637CM21	2.0	N	N	70	300	100	2,000	50	50	100	100
0638CM21	<2.0	N	N	150	500	100	700	15	<50	150	150
0639CM21	N	N	N	70	1,000	100	1,500	7	<50	100	70
0640CM21	<2.0	N	N	100	300	100	1,500	20	50	100	150
0641CM21	<2.0	N	N	100	500	30	1,000	1,000	50	150	200
0642CM21	N	N	N	100	300	30	1,000	30	50	100	100
0643CM21	N	N	N	150	500	100	1,000	200	<50	150	150
0644CM21	<2.0	N	N	100	500	150	1,000	20	50	200	300
0645CM21	<2.0	N	N	100	300	70	1,000	70	50	150	200
0646CM21	<2.0	N	N	70	300	150	700	200	50	100	200
0647CM21	N	N	N	100	500	50	1,000	20	50	70	100
0648CM21	N	N	N	70	300	10	2,000	N	50	70	30
0649CM22	<2.0	N	N	70	150	15	150	N	<50	100	<20
0650CM22	<2.0	N	N	100	1,000	100	1,500	7	50	100	150
0651CM22	<2.0	N	N	100	500	50	1,500	20	50	150	200
0652CM22	N	N	N	100	500	20	1,500	10	50	100	70
0653CM22	<2.0	N	N	70	700	70	2,000	20	100	100	100
0654CM24	3.0	N	N	100	200	50	1,000	15	50	100	150
0655CM24	2.0	N	N	150	500	70	1,000	20	50	150	200
0656CM24	N	N	N	70	1,000	20	70	7	<50	150	N
0657CM21	<2.0	N	N	100	1,000	150	1,500	7	50	100	100

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0613CM23	N	N	N	700	N	150.0	700	200	N
0614CM23	N	N	N	1,000	N	150.0	1,500	300	N
0615CM23	N	N	N	1,000	N	200.0	N	500	N
0616CM23	N	N	N	700	N	150.0	1,500	500	N
0617CM23	N	N	N	300	N	20.0	N	200	N
0618CM23	N	N	<200	1,000	N	150.0	N	300	N
0619CM23	N	N	N	700	N	150.0	N	500	N
0620CM23	N	N	<200	700	N	100.0	500	200	N
0621CM21	N	N	<200	700	N	150.0	300	1,000	150
0622CM21	N	N	<200	500	N	200.0	N	700	N
0623CM23	N	N	<200	1,000	N	200.0	N	1,000	N
0624CM21	N	N	<200	300	N	300.0	300	300	700
0625CM21	N	N	<200	500	N	150.0	N	150	N
0626CM21	N	N	N	1,000	N	200.0	1,000	1,000	N
0627CM22	N	N	N	500	N	200.0	N	700	N
0628CM22	N	N	N	500	N	100.0	N	300	150
0629CM22	N	20	N	500	N	300.0	N	700	150
0630CM22	N	N	N	1,000	N	200.0	500	500	N
0631CM22	N	N	N	700	N	200.0	500	700	150
0632CM21	N	N	<200	1,000	N	200.0	N	700	N
0633CM21	N	N	<200	700	N	150.0	500	500	N
0634CM21	N	N	<200	700	N	150.0	500	300	N
0635CM21	N	20	200	500	N	150.0	N	200	N
0636CM21	N	N	N	700	N	200.0	300	300	N
0637CM21	N	N	<200	1,000	N	150.0	N	300	150
0638CM21	N	N	<200	1,000	N	200.0	N	2,000	N
0639CM21	N	N	<200	1,000	N	200.0	500	200	N
0640CM21	N	N	<200	500	N	200.0	N	700	N
0641CM21	N	N	<200	1,000	N	200.0	N	500	N
0642CM21	N	N	<200	1,000	N	200.0	500	1,000	N
0643CM21	N	N	N	1,500	N	200.0	1,000	500	N
0644CM21	N	N	<200	1,000	N	200.0	300	500	N
0645CM21	N	N	<200	700	N	200.0	300	300	N
0646CM21	N	N	<200	500	N	100.0	N	200	N
0647CM21	N	N	N	700	N	150.0	300	500	N
0648CM21	N	N	<200	1,000	N	300.0	1,000	200	N
0649CM22	N	N	200	700	N	200.0	N	150	N
0650CM22	N	N	N	1,500	N	200.0	N	1,500	N
0651CM22	N	N	N	700	N	150.0	700	300	N
0652CM22	N	N	<200	1,500	N	150.0	N	1,000	N
0653CM22	N	N	N	700	N	200.0	N	500	N
0654CM24	N	N	<200	700	N	150.0	300	300	N
0655CM24	N	N	N	1,000	N	100.0	1,000	300	N
0656CM24	N	N	300	700	N	70.0	N	150	N
0657CM21	N	N	<200	1,000	N	150.0	500	1,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0659CM21	38 45 9	113 20 51	20	7.00	7.00	>2.00	5,000	N	N	<20	300
0659CM21	38 48 6	113 18 34	20	5.00	5.00	>2.00	5,000	N	N	50	300
0659CM21	38 53 48	113 17 19	20	7.00	10.00	1.50	5,000	N	N	50	500
0659CM21	38 52 41	113 17 39	20	10.00	10.00	2.00	7,000	N	N	20	300
0659CM21	38 51 54	113 12 15	30	5.00	5.00	1.00	5,000	N	N	50	500
0659CM21	38 53 58	113 19 17	30	5.00	5.00	1.00	5,000	N	N	50	500
0659CM21	38 55 12	113 19 17	30	5.00	5.00	1.00	3,000	N	N	50	700
0659CM21	38 56 37	113 19 19	30	7.00	7.00	>2.00	7,000	N	N	30	300
0659CM21	38 52 45	113 21 0	30	5.00	5.00	1.50	5,000	N	N	20	300
0659CM21	38 53 41	113 23 29	20	5.00	5.00	2.00	5,000	N	N	20	300
0659CM21	38 58 3	113 23 7	30	10.00	7.00	>2.00	7,000	N	N	30	300
0659CM21	38 58 50	113 23 57	30	7.00	7.00	>2.00	3,000	N	N	20	300
0659CM21	38 58 17	113 27 0	30	7.00	7.00	2.00	5,000	N	N	20	300
0659CM21	38 58 15	113 26 57	30	7.00	10.00	>2.00	10,000	N	N	20	500
0659CM21	38 58 7	113 27 7	30	5.00	5.00	>2.00	5,000	N	N	30	300
0659CM21	38 56 11	113 26 29	30	10.00	10.00	>2.00	7,000	N	N	20	300
0659CM21	38 52 50	113 25 56	30	5.00	5.00	>2.00	5,000	N	N	30	300
0659CM22	38 54 51	113 31 41	20	5.00	5.00	2.00	5,000	N	N	30	300
0659CM21	38 53 1	113 36 43	30	3.00	2.00	>2.00	5,000	N	N	20	300
0659CM22	38 56 12	113 32 40	30	5.00	5.00	>2.00	5,000	N	N	50	300
0659CM22	38 58 3	113 34 21	30	7.00	10.00	>2.00	5,000	N	N	30	300
0659CM22	38 58 31	113 36 43	30	7.00	7.00	1.50	7,000	N	N	50	300
0659CM22	38 59 4	113 39 21	30	5.00	5.00	1.50	5,000	N	N	50	300
0659CM22	38 49 34	113 42 18	30	7.00	5.00	>2.00	5,000	N	N	30	300
0659CM22	38 48 9	113 42 10	30	5.00	5.00	>2.00	7,000	N	N	30	300
0659CM22	38 48 5	113 39 59	30	5.00	5.00	1.00	5,000	N	N	70	500
0659CM22	38 47 7	113 40 25	30	7.00	7.00	>2.00	5,000	N	N	50	300
0659CM22	38 46 57	113 43 54	30	5.00	5.00	1.50	5,000	N	500	50	300
0659CM22	38 45 50	113 43 14	30	5.00	5.00	>2.00	7,000	N	N	30	300
0659CM23	38 44 2	113 43 20	30	7.00	7.00	>2.00	5,000	N	N	20	300
0659CM23	38 42 52	113 44 43	20	7.00	10.00	1.50	5,000	N	N	30	500
0659CM23	38 34 9	113 33 23	30	5.00	5.00	1.50	10,000	N	N	20	1,500
0659CM23	38 31 13	113 33 44	20	5.00	7.00	2.00	5,000	N	N	30	700
0659CM23	38 30 23	113 32 8	30	5.00	3.00	2.00	>10,000	N	N	50	10,000
0659CM22	38 47 18	113 48 20	20	5.00	5.00	2.00	7,000	N	N	30	300
0659CM22	38 49 10	113 46 48	30	3.00	3.00	1.50	3,000	N	500	70	700
0659CM22	38 50 2	113 46 31	30	5.00	5.00	1.00	5,000	N	N	20	300
0659CM22	38 46 23	113 50 8	30	5.00	3.00	>2.00	7,000	N	N	30	300
0659CM22	38 47 48	113 50 45	30	2.00	2.00	1.00	5,000	N	3,000	50	500
0700CM22	38 50 0	113 49 29	50	3.00	3.00	.50	3,000	N	N	100	500
0701CM22	38 50 27	113 50 11	30	2.00	7.00	1.00	2,000	N	N	50	300
0702CM22	38 48 45	113 51 44	30	2.00	3.00	1.00	3,000	N	N	100	500
0703CM22	38 53 25	113 46 20	30	3.00	3.00	1.50	7,000	N	300	50	1,000
0704CM22	38 55 50	113 48 27	30	7.00	7.00	1.00	10,000	N	N	20	200
0705CM22	38 55 46	113 48 27	30	3.00	5.00	1.00	10,000	N	N	20	200

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BZ	S-CD	S-CO	S-CK	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0658CM21	N	N	N	100	700	70	700	N	<50	150	50
0659CM21	<2.0	N	N	70	500	20	500	10	<50	70	70
0660CM21	<2.0	N	N	70	150	20	200	15	<50	100	20
0661CM21	N	N	N	100	200	10	150	N	<50	100	<20
0662CM21	7.0	N	N	100	150	100	300	70	<50	100	300
0663CM21	7.0	N	N	100	300	200	500	70	<50	100	300
0664CM21	<2.0	N	N	100	150	150	300	70	<50	150	300
0665CM21	N	N	N	100	500	50	2,000	10	50	100	100
0666CM21	<2.0	N	N	100	500	150	1,000	30	50	100	70
0667CM21	<2.0	N	N	70	500	50	1,000	100	50	100	150
0668CM21	N	N	N	100	500	50	1,000	15	<50	100	70
0669CM21	<2.0	N	N	100	500	30	1,500	500	50	150	200
0670CM21	<2.0	N	N	100	300	100	1,000	200	50	150	150
0671CM21	<2.0	N	N	100	300	30	700	7	<50	70	50
0672CM21	N	N	N	100	200	70	1,000	70	<50	100	100
0673CM21	<2.0	N	N	100	500	30	1,000	N	<50	70	100
0674CM21	<2.0	N	N	100	500	150	1,000	100	<50	100	200
0675CM21	<2.0	N	N	70	700	100	1,000	70	50	100	200
0676CM22	<2.0	N	N	70	300	30	700	7	<50	70	50
0677CM21	N	N	N	100	500	30	1,000	N	<50	70	100
0678CM22	<2.0	N	N	100	500	150	1,000	100	<50	100	200
0679CM22	<2.0	N	N	100	300	100	1,000	15	50	100	100
0680CM22	<2.0	N	N	100	300	100	1,000	20	50	150	150
0681CM22	2.0	N	N	70	500	150	500	30	50	150	300
0682CM22	2.0	N	N	100	300	150	1,000	150	<50	150	500
0683CM22	<2.0	N	N	100	500	100	2,000	30	<50	100	200
0684CM22	3.0	N	N	200	150	200	1,000	100	<50	150	500
0685CM22	<2.0	N	N	150	500	200	1,000	30	50	150	150
0686CM22	3.0	N	N	100	200	300	1,500	150	<50	200	700
0687CM22	<2.0	N	N	150	300	150	500	30	50	150	200
0688CM23	<2.0	N	N	150	1,000	50	1,500	20	50	150	200
0689CM23	<2.0	N	N	70	200	70	500	70	<50	100	500
0690CM23	5.0	N	N	150	500	150	1,000	7	<50	150	300
0691CM23	2.0	N	N	100	300	70	200	10	<50	100	150
0692CM23	<2.0	15	N	150	300	70	>2,000	15	<50	100	500
0693CM23	N	30	N	50	100	20	>2,000	10	N	50	200
0694CM22	3.0	N	N	100	500	150	500	30	50	150	200
0695CM22	2.0	N	N	70	150	100	>2,000	50	50	150	150
0696CM22	<2.0	N	N	100	500	150	1,000	10	50	70	150
0697CM22	5.0	N	N	100	300	300	300	20	<50	100	200
0698CM22	5.0	N	N	150	100	200	500	200	N	200	300
0700CM22	2.0	N	N	70	500	100	500	150	<30	700	100
0701CM22	5.0	N	N	100	500	200	300	70	<50	200	200
0702CM22	3.0	N	N	100	300	150	500	30	50	150	150
0703CM22	N	N	N	70	200	70	>2,000	30	50	100	100
0704CM22	<2.0	N	N	70	500	70	>2,000	20	50	100	100
0705CM22	<2.0	N	N	70	500	70	>2,000	20	50	100	100

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-SV	S-SW	S-Y	S-ZN	S-ZR	S-TH
0658CM21	N	N	200	700	N	200.0	300	300	N
0659CM21	N	N	<200	700	N	150.0	500	200	N
0660CM21	N	N	200	700	N	200.0	N	150	N
0661CM21	N	N	200	1,900	N	200.0	300	150	N
0662CM21	N	N	200	700	N	150.0	500	100	N
0663CM21	N	N	<200	1,000	N	150.0	N	300	N
0664CM21	N	N	200	500	N	200.0	500	100	N
0665CM21	N	N	<200	500	N	200.0	N	500	150
0666CM21	N	N	<200	700	N	200.0	N	500	N
0667CM21	N	N	<200	500	N	200.0	300	500	N
0668CM21	N	N	<200	1,500	N	300.0	N	2,000	N
0669CM21	N	N	<200	1,500	N	200.0	N	1,500	N
0670CM21	N	N	<200	700	N	300.0	N	300	N
0671CM21	N	N	<200	700	N	300.0	N	300	N
0672CM21	N	N	<200	500	N	300.0	N	300	N
0673CM21	N	N	N	1,000	N	200.0	300	500	N
0674CM21	N	N	<200	700	N	300.0	N	500	N
0675CM21	N	N	<200	700	N	200.0	N	700	N
0676CM21	N	N	<200	700	N	200.0	N	300	N
0677CM21	N	N	N	1,000	N	150.0	700	300	N
0678CM21	N	N	N	1,000	N	200.0	500	300	N
0679CM21	N	N	<200	700	N	150.0	500	300	N
0680CM21	N	N	<200	700	N	200.0	1,500	200	N
0681CM21	N	N	<200	700	N	150.0	1,500	500	N
0682CM21	N	N	<200	700	N	150.0	700	200	N
0683CM21	N	N	N	700	N	200.0	500	700	200
0684CM21	N	N	<200	500	N	150.0	1,000	150	N
0685CM21	N	N	N	1,000	N	200.0	N	700	N
0686CM21	N	N	N	700	N	200.0	700	1,500	N
0687CM21	N	N	N	1,000	N	200.0	N	2,000	N
0688CM21	N	N	N	1,500	N	150.0	1,000	1,500	N
0689CM21	N	N	<200	500	70	100.0	N	200	N
0690CM21	N	N	<200	1,000	N	150.0	700	500	N
0691CM21	N	N	300	700	N	100.0	N	200	N
0692CM21	N	N	500	500	N	200.0	500	500	N
0693CM21	N	N	N	200	N	200.0	N	300	5,000
0694CM21	N	N	<200	500	200	70.0	500	200	1,500
0695CM21	N	N	<200	700	70	150.0	N	200	N
0696CM21	N	N	N	300	N	150.0	500	500	150
0697CM21	N	N	<200	500	N	50.0	1,000	500	N
0698CM21	N	N	<200	300	N	70.0	1,500	200	N
0700CM21	N	N	300	500	N	100.0	1,500	2,000	N
0701CM21	N	N	200	500	N	150.0	1,500	200	N
0702CM21	N	N	N	300	N	100.0	500	500	N
0703CM21	N	N	N	700	N	300.0	N	500	200
0704CM21	N	N	N	300	N	500.0	500	700	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
0706CM22	38 55 51	113 48 50	30	7.00	7.00	1.50	7,000	N	N	30	300
0707CM22	38 53 25	113 51 52	30	5.00	7.00	1.50	3,000	N	N	150	200
0708CM22	38 52 26	113 53 8	30	5.00	5.00	1.50	5,000	N	N	50	300
0709CM22	38 51 31	113 54 38	30	5.00	5.00	2.00	5,000	N	N	200	150
0710CM22	38 45 49	113 53 46	30	3.00	7.00	>2.00	5,000	N	N	50	300
0711CM22	38 45 36	113 55 21	30	7.00	5.00	>2.00	7,000	N	N	150	500
0712CM22	38 47 42	113 54 26	30	3.00	1.50	>2.00	5,000	N	N	100	70
0713CM22	38 43 38	113 53 40	30	7.00	2.00	>2.00	10,000	N	N	300	300
0714CM22	38 49 55	113 53 23	30	3.00	2.00	2.00	5,000	N	N	200	300
0715CM22	38 50 23	113 52 26	30	5.00	5.00	1.00	3,000	N	N	300	300
0716CM22	38 47 59	113 51 30	30	5.00	5.00	>2.00	5,000	N	500	70	500
0717CM22	38 48 0	113 51 29	30	2.00	2.00	1.00	5,000	N	N	100	700
0718CM22	38 48 1	113 51 27	30	2.00	2.00	1.00	3,000	1.0	N	50	700
0719CM22	38 52 29	113 51 8	30	3.00	3.00	1.00	7,000	N	N	1,000	700
0720CM22	38 53 31	113 50 57	30	5.00	5.00	>2.00	7,000	N	N	5,000	300
0721CM22	38 51 39	113 47 1	30	5.00	5.00	2.00	5,000	N	N	30	300
0722CM22	38 55 21	113 52 14	30	5.00	5.00	>2.00	5,000	N	N	50	300
0723CM22	38 57 5	113 52 9	30	5.00	5.00	1.50	5,000	N	N	70	300
0724CM22	38 57 49	113 53 52	30	5.00	3.00	>2.00	3,000	N	N	50	200
0725CM22	38 56 25	113 53 22	30	7.00	5.00	>2.00	7,000	N	N	50	300
0726CM22	38 55 7	113 53 39	30	5.00	5.00	2.00	7,000	N	N	2,000	300
0727CM22	38 53 1	113 55 6	30	7.00	7.00	>2.00	7,000	N	N	50	500
0728CM22	38 53 1	113 57 33	50	7.00	5.00	>2.00	5,000	N	N	20	300
0729CM22	38 54 1	113 57 6	30	7.00	5.00	>2.00	7,000	N	N	30	300
0730CM22	38 55 3	113 56 21	30	5.00	7.00	>2.00	5,000	N	N	50	300
0731CM22	38 55 6	113 57 2	30	5.00	3.00	>2.00	3,000	N	N	50	150
0732CM22	38 55 9	113 57 2	30	5.00	3.00	>2.00	7,000	N	N	30	300
0733CM22	38 55 2	113 57 10	30	5.00	5.00	1.50	5,000	N	N	70	500
0734CM22	38 55 12	113 58 31	30	7.00	5.00	>2.00	10,000	N	N	50	500
0735CM22	38 52 4	113 56 40	30	5.00	5.00	>2.00	5,000	N	N	50	300
0736CM22	38 27 17	113 51 8	30	2.00	3.00	70	5,000	N	N	50	500
0737CM22	38 26 36	113 48 38	30	7.00	7.00	1.00	7,000	N	N	20	700
0738CM22	38 25 27	113 50 41	30	5.00	5.00	1.00	5,000	N	N	50	700
0740CM22	38 24 47	113 51 34	20	7.00	7.00	1.00	10,000	N	N	20	1,500
0742CM22	38 24 2	113 51 11	20	7.00	7.00	1.50	5,000	N	N	20	500
0744CM22	38 23 46	113 50 10	30	2.00	3.00	2.00	5,000	N	N	20	700
0745CM22	38 23 43	113 50 13	30	2.00	2.00	>2.00	5,000	N	N	20	1,000
0746CM22	38 23 41	113 50 15	30	2.00	2.00	>2.00	7,000	N	N	20	700
0747CM22	38 23 44	113 52 53	20	7.00	10.00	1.00	5,000	N	N	30	300
0748CM22	38 24 19	113 53 43	20	7.00	10.00	1.00	5,000	N	N	20	300
0749CM22	38 24 16	113 55 29	20	7.00	7.00	2.00	5,000	N	N	20	300
0750CM22	38 23 27	113 56 15	30	7.00	10.00	2.00	3,000	N	N	<20	1,000
0754CM22	38 26 26	113 59 2	20	10.00	10.00	1.50	5,000	N	N	20	200
0756CM22	38 25 31	113 53 17	5	3.00	7.00	1.00	1,000	N	N	20	100
0757CM22	38 25 34	113 53 19	15	7.00	10.00	1.00	5,000	N	N	20	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0706CM22	<2.0	N	N	70	500	50	2,000	10	<50	70	100
0707CM22	N	N	N	70	1,000	100	700	30	50	100	70
0708CM22	2.0	N	N	70	700	50	500	70	50	100	150
0709CM22	<2.0	N	N	70	2,000	150	500	30	50	100	100
0710CM22	N	N	N	100	1,000	150	700	150	50	200	100
0711CM22	<2.0	N	N	70	2,000	100	500	100	50	200	150
0712CM22	N	N	N	100	2,000	70	300	70	<50	100	100
0713CM22	N	N	N	150	3,000	70	1,000	100	50	150	100
0714CM22	<2.0	N	N	70	2,000	200	1,000	100	<50	150	200
0715CM22	<2.0	N	N	100	2,000	200	500	500	<50	500	200
0716CM22	<2.0	N	N	70	1,000	100	700	100	<50	200	200
0717CM22	<2.0	N	N	50	3,000	150	500	70	<50	500	150
0718CM22	<2.0	N	N	100	5,000	150	500	70	<50	300	100
0719CM22	<2.0	N	N	1,000	2,000	300	700	200	<50	700	200
0720CM22	<2.0	N	N	70	10,000	70	700	30	70	100	100
0721CM22	<2.0	N	N	70	300	100	700	10	<50	150	200
0722CM22	<2.0	N	N	100	1,000	200	500	150	50	300	300
0723CM22	<2.0	N	N	150	300	300	200	200	<50	1,000	100
0724CM22	<2.0	N	N	70	700	100	700	50	50	150	100
0725CM22	<2.0	N	N	100	500	70	500	100	50	150	100
0726CM22	<2.0	N	N	70	10,000	70	700	30	<50	150	70
0727CM22	<2.0	N	N	100	500	50	500	20	50	100	70
0728CM22	<2.0	N	N	100	2,000	70	700	N	<50	150	70
0729CM22	<2.0	N	N	100	1,000	70	500	10	50	100	70
0730CM22	<2.0	N	N	50	700	70	500	50	50	200	70
0731CM22	<2.0	N	N	100	500	70	500	20	<50	150	150
0732CM22	N	N	N	150	500	100	1,000	30	<50	150	100
0733CM22	<2.0	N	N	100	500	100	700	50	<50	200	200
0734CM22	<2.0	N	N	100	500	100	1,500	30	50	200	150
0735CM22	<2.0	N	N	100	500	70	500	10	<50	150	70
0736CM32	2.0	N	N	200	150	500	300	30	<50	200	300
0737CM32	<2.0	N	N	70	300	30	1,000	N	<50	70	20
0738CM32	N	15	N	100	300	100	>2,000	10	N	100	200
0740CM32	<2.0	N	N	70	500	30	1,000	N	<50	50	70
0742CM32	<2.0	N	N	70	200	10	2,000	N	<50	50	<20
0744CM32	N	15	N	100	700	50	>2,000	7	<50	70	100
0745CM32	<2.0	N	N	70	500	70	2,000	N	<50	70	100
0746CM32	N	N	N	100	1,000	100	>2,000	N	<50	70	150
0747CM32	<2.0	N	N	100	150	10	200	N	<50	70	20
0748CM32	<2.0	N	N	70	100	10	300	N	<50	30	<20
0749CM32	<2.0	N	N	70	150	15	1,000	N	50	50	20
0750CM32	N	N	N	70	500	50	700	10	<30	100	100
0754CM32	<2.0	N	N	100	150	10	200	N	<50	70	20
0756CM32	<2.0	N	N	15	30	<10	300	N	N	10	N
0757CM32	<2.0	N	N	70	100	<10	150	N	<50	50	20

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0706CM22	N	N	<200	500	N	200.0	N	700	200
0707CM22	N	N	N	1,000	N	150.0	N	700	N
0708CM22	N	N	<300	500	N	150.0	N	700	N
0709CM22	N	N	<200	500	N	100.0	500	700	N
0710CM22	N	N	N	1,000	N	150.0	500	1,500	N
0711CM22	N	N	N	700	N	150.0	1,000	1,500	N
0712CM22	N	N	N	700	N	200.0	1,000	700	N
0713CM22	N	N	N	1,000	N	200.0	1,000	1,000	N
0714CM22	N	N	N	1,000	N	150.0	700	1,000	N
0715CM22	N	N	N	1,000	N	70.0	1,500	1,000	N
0716CM22	N	N	200	1,000	N	200.0	700	300	N
0717CM22	N	N	500	3,000	N	150.0	2,000	300	N
0718CM22	N	N	300	2,000	N	150.0	2,000	300	N
0719CM22	N	N	N	700	N	150.0	1,000	1,000	N
0720CM22	N	N	<200	700	N	300.0	N	2,000	N
0721CM22	N	N	<200	700	N	150.0	300	500	N
0722CM22	N	N	N	1,000	N	150.0	700	1,500	N
0723CM22	N	N	<200	1,000	N	150.0	5,000	300	N
0724CM22	N	N	N	700	N	100.0	700	1,000	N
0725CM22	N	N	<200	1,000	N	150.0	1,500	300	N
0726CM22	N	N	<200	700	N	200.0	700	2,000	N
0727CM22	N	N	<200	1,000	N	150.0	300	300	N
0728CM22	N	N	N	1,000	N	150.0	1,000	1,500	N
0729CM22	N	N	<200	1,000	N	150.0	500	1,500	N
0730CM22	N	N	<200	700	N	150.0	500	1,000	N
0731CM22	N	N	<200	1,000	N	100.0	1,000	300	N
0732CM22	N	N	N	1,500	N	100.0	1,500	500	N
0733CM22	N	N	200	1,000	N	150.0	500	500	N
0734CM22	N	N	200	1,500	N	150.0	1,000	1,000	N
0735CM22	N	N	200	700	N	150.0	700	700	N
0736CM32	N	N	<200	500	N	70.0	300	300	N
0737CM32	N	N	<200	500	N	150.0	N	1,500	N
0738CM32	N	N	N	150	N	200.0	N	2,000	1,000
0739CM32	N	N	<200	500	N	150.0	N	1,000	N
0740CM32	N	N	<200	500	N	150.0	N	1,500	N
0741CM32	N	N	<200	200	N	200.0	N	1,000	1,000
0742CM32	N	N	<200	700	N	150.0	N	1,000	200
0743CM32	N	N	<200	1,000	N	150.0	500	2,000	200
0744CM32	N	N	<200	500	N	150.0	N	500	N
0745CM32	N	N	<200	300	N	150.0	N	1,000	N
0746CM32	N	N	<200	300	N	200.0	N	1,000	N
0747CM32	N	N	<200	300	N	150.0	N	1,000	N
0748CM32	N	N	<200	300	N	150.0	N	1,000	N
0749CM32	N	N	<200	300	N	200.0	N	1,000	N
0750CM32	N	N	N	1,000	N	150.0	N	1,000	N
0751CM32	N	N	<200	500	N	150.0	N	1,500	N
0752CM32	N	N	<200	100	N	100.0	N	500	N
0753CM32	N	N	<200	300	N	150.0	N	200	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-B	S-BA
0758CM32	38 25 33	113 53 21	20	10.00	15.00	1.00	5,000	N	N	<20	200
0759CM32	38 27 20	113 52 35	20	7.00	10.00	1.50	7,000	N	N	20	500
0760CM32	38 29 1	113 52 57	30	5.00	5.00	>2.00	3,000	N	N	20	300
0761CM32	38 26 18	113 54 2	20	7.00	10.00	1.00	7,000	N	N	20	200
0762CM32	38 26 29	113 56 20	20	7.00	10.00	2.00	5,000	N	N	<20	300
0763CM32	38 28 55	113 56 42	20	1.00	1.50	1.00	2,000	N	N	70	200
0765CM32	38 29 39	113 35 19	30	5.00	7.00	1.50	5,000	N	500	20	700
0766CM32	38 17 1	113 46 53	30	10.00	5.00	2.00	7,000	N	N	20	300
0768CM32	38 16 27	113 49 20	30	5.00	7.00	2.00	5,000	N	N	<20	150
0769CM32	38 15 52	113 51 1	30	7.00	10.00	>2.00	5,000	N	N	30	200
0771CM32	38 17 24	113 51 13	20	7.00	10.00	2.00	5,000	N	N	<20	200
0772CM32	38 20 42	113 49 48	20	5.00	7.00	1.50	7,000	N	N	20	500
0774CM32	38 21 42	113 50 41	30	5.00	5.00	2.00	5,000	N	N	<20	500
0776CM32	38 20 55	113 54 5	15	5.00	5.00	1.50	3,000	N	N	20	500
0778CM32	38 20 7	113 53 33	30	5.00	7.00	>2.00	7,000	N	N	20	300
0780CM32	38 18 42	113 53 9	20	5.00	5.00	2.00	7,000	N	N	20	300
0781CM32	38 19 55	113 55 23	20	5.00	7.00	>2.00	7,000	N	N	20	300
0783CM31	38 21 11	113 22 1	30	1.50	1.50	2.00	10,000	N	N	20	700
0784CM31	38 20 3	113 21 59	30	1.50	1.50	>2.00	5,000	N	N	20	1,000
0785CM31	38 20 6	113 19 5	50	3.00	3.00	>2.00	7,000	N	N	<20	1,500
0787CM31	38 20 29	113 18 6	30	5.00	10.00	>2.00	>10,000	N	N	<20	2,000
0788CM31	38 19 18	113 20 26	30	3.00	1.50	>2.00	>10,000	N	N	<20	5,000
0789CM31	38 20 55	113 17 28	30	5.00	1.50	>2.00	10,000	N	N	20	700
0790CM31	38 22 51	113 15 19	50	3.00	3.00	>2.00	7,000	N	N	<20	1,500
0792CM31	38 18 35	113 16 41	30	1.00	1.00	1.50	10,000	N	N	30	2,000
0793CM31	38 18 22	113 16 18	50	1.50	1.00	>2.00	5,000	N	N	<20	1,000
0796CM31	38 29 3	113 29 43	30	5.00	5.00	>2.00	1,000	N	N	<20	3,000
0797CM31	38 21 39	113 19 48	30	3.00	3.00	>2.00	10,000	N	N	20	1,000
0798CM31	38 17 33	113 15 19	30	1.50	1.50	>2.00	7,000	N	N	20	700
0799CM32	38 32 10	113 18 27	30	1.00	1.50	.70	3,000	.7	500	100	700
0800CM24	38 30 46	113 16 21	30	1.00	1.50	1.00	2,000	N	N	300	500
0802CM32	38 28 9	113 30 9	20	10.00	7.00	1.50	5,000	N	N	20	300
0804CM32	38 23 10	113 30 57	20	7.00	7.00	1.50	10,000	N	N	20	700
0806CM24	38 32 26	113 15 51	20	1.00	1.50	1.00	2,000	N	N	150	700
0809CM24	38 32 22	113 14 13	30	7.00	10.00	>2.00	10,000	N	N	30	1,000
0810CM24	38 31 40	113 14 4	20	7.00	7.00	>2.00	5,000	N	N	30	700
0811CM24	38 31 29	113 9 18	30	3.00	7.00	1.50	10,000	N	N	70	2,000
0813CM24	38 30 45	113 6 26	20	5.00	10.00	2.00	5,000	.7	700	70	500
0815CM24	38 33 15	113 6 31	30	3.00	3.00	1.00	10,000	N	N	70	1,500
0817CM24	38 33 27	113 8 48	30	7.00	7.00	2.00	5,000	N	N	500	700
0819CM24	38 34 6	113 11 40	30	5.00	5.00	>2.00	7,000	N	N	20	1,000
0820CM24	38 34 29	113 14 1	30	1.50	1.50	>2.00	3,000	N	N	200	500
0822CM24	38 35 39	113 10 59	20	7.00	5.00	1.50	3,000	N	N	20	700
0823CM24	38 43 13	113 2 6	20	10.00	15.00	1.50	10,000	N	N	<20	1,500
0824CM24	38 41 58	113 5 55	30	2.00	2.00	>2.00	1,500	N	N	300	500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0758CM32	<2.0	N	N	50	100	<10	200	N	<30	50	<20
0759CM32	<2.0	N	N	70	300	15	500	N	<50	30	20
0760CM32	N	N	N	100	1,000	70	300	7	<50	100	30
0761CM32	N	N	N	70	100	10	200	N	N	50	<20
0762CM32	N	N	N	70	200	10	1,500	20	<30	70	20
0763CM32	5.0	N	N	20	70	100	200	N	N	100	100
0765CM32	7.0	N	N	100	200	200	700	15	50	150	500
0766CM32	<2.0	N	N	100	500	70	1,000	N	<50	150	<20
0768CM32	N	N	N	70	200	20	>2,000	7	100	50	70
0769CM32	<2.0	N	N	70	500	10	100	N	<50	70	50
0771CM32	N	N	N	70	150	<10	1,500	N	70	30	20
0772CM32	<2.0	N	N	100	150	10	500	N	<50	50	50
0774CM32	N	N	N	100	300	70	2,000	15	50	50	150
0776CM32	<2.0	N	N	50	50	<10	300	N	<50	30	20
0778CM32	<2.0	N	N	70	150	15	1,500	N	70	50	50
0780CM32	<2.0	N	N	70	200	15	1,000	N	<50	30	70
0781CM32	<2.0	N	N	70	150	15	1,500	N	70	15	50
0783CM31	<2.0	N	N	100	500	100	500	10	50	100	150
0784CM31	<2.0	N	N	100	700	200	300	7	<50	100	200
0785CM31	N	N	N	100	500	100	500	10	70	100	100
0787CM31	N	N	N	70	500	70	1,500	7	70	100	100
0788CM31	10.0	N	N	100	100	100	300	20	70	100	500
0789CM31	<2.0	N	N	100	500	100	300	N	<50	100	150
0790CM31	<2.0	N	N	70	500	100	200	10	70	100	70
0792CM31	7.0	N	N	150	300	300	200	15	50	100	300
0793CM31	<2.0	N	N	100	500	70	700	10	70	100	150
0796CM31	<2.0	N	N	100	300	100	300	15	70	100	100
0797CM31	<2.0	N	N	150	500	100	500	N	50	70	150
0798CM31	<2.0	N	N	100	700	100	100	N	<50	100	200
0799CM32	7.0	N	N	100	200	150	70	15	N	100	300
0800CM24	5.0	N	N	50	300	200	500	150	<50	70	700
0802CM32	<2.0	N	N	100	300	30	150	7	<50	100	20
0804CM32	<2.0	N	N	50	70	10	1,000	N	<50	30	30
0806CM24	5.0	N	N	30	200	100	150	15	<50	50	150
0809CM24	N	N	N	100	1,000	50	1,000	N	N	200	50
0810CM24	<2.0	N	N	100	500	150	1,000	N	N	200	100
0811CM24	5.0	N	N	150	500	500	300	20	<50	200	700
0813CM24	2.0	15	N	100	150	200	1,000	20	70	70	500
0815CM24	10.0	N	N	150	200	700	200	500	<50	500	2,000
0817CM24	5.0	N	N	100	700	70	500	100	50	150	100
0819CM24	<2.0	N	N	100	1,500	300	100	N	<50	150	50
0820CM24	3.0	N	N	70	500	100	300	N	<50	50	150
0822CM24	<2.0	N	N	100	300	30	200	N	<50	100	20
0823CM24	N	N	N	70	700	70	100	N	N	100	20
0824CM24	<2.0	N	N	70	300	50	300	7	70	150	70

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0753CM32	N	N	<200	500	N	200.0	N	200	N
0759CM32	N	N	<200	500	N	150.0	N	>2,000	N
0760CM32	N	N	<200	3,000	N	70.0	500	2,000	N
0771CM32	N	N	<200	500	N	100.0	N	1,500	N
0772CM32	N	N	<200	500	100	150.0	N	2,000	150
0773CM32	N	N	<200	200	N	50.0	N	200	N
0775CM32	300	N	<200	500	N	100.0	500	500	N
0776CM32	N	N	<200	700	N	150.0	N	500	N
0778CM32	N	20	<200	500	N	500.0	N	700	500
0779CM32	N	N	<200	2,000	N	100.0	N	2,000	N
0771CM32	N	N	<200	1,000	N	200.0	N	2,000	N
0772CM32	N	N	<200	500	N	150.0	N	500	N
0774CM32	N	N	<200	2,000	N	200.0	N	700	N
0775CM32	N	N	<200	300	N	150.0	N	300	N
0778CM32	N	N	<200	700	N	200.0	N	1,000	150
0780CM32	N	N	<200	700	N	200.0	500	500	N
0781CM32	N	N	<200	300	N	300.0	N	500	150
0783CM31	N	N	<200	2,000	N	70.0	500	>2,000	N
0784CM31	N	N	<200	1,000	N	70.0	500	700	N
0785CM31	N	N	<200	1,000	N	150.0	500	700	N
0787CM31	N	N	<200	700	N	150.0	N	300	N
0789CM31	N	N	<200	1,500	N	100.0	500	1,500	N
0790CM31	N	N	<200	700	N	150.0	N	500	N
0791CM31	N	N	<200	1,000	N	100.0	300	1,000	N
0792CM31	N	N	<200	1,000	N	100.0	N	1,000	N
0793CM31	N	N	<200	700	N	100.0	300	700	N
0794CM31	N	N	<200	700	N	150.0	N	300	N
0795CM31	N	N	<200	2,000	N	50.0	500	1,500	N
0796CM32	N	N	<200	200	70	50.0	500	200	N
0800CM24	N	N	<200	500	N	200.0	500	200	N
0801CM32	N	N	<200	700	N	200.0	N	300	N
0804CM32	N	N	<200	500	N	150.0	N	500	N
0805CM24	N	100	<200	500	N	70.0	N	300	N
0806CM24	N	N	<200	700	N	150.0	300	300	N
0810CM24	N	N	<200	500	N	100.0	N	700	N
0811CM24	N	N	<200	700	N	70.0	300	500	N
0812CM24	N	N	<200	300	N	150.0	N	700	N
0813CM24	N	N	<200	700	N	70.0	1,500	300	N
0815CM24	N	N	<200	1,000	N	500.0	300	1,000	N
0817CM24	N	N	<200	700	N	70.0	500	150	N
0818CM24	N	N	<200	500	N	150.0	N	500	N
0820CM24	N	N	<200	500	N	100.0	N	150	N
0821CM24	N	N	<200	700	N	150.0	N	500	N
0822CM24	N	N	<200	500	N	100.0	N	150	N
0823CM24	N	N	<200	700	N	70.0	N	100	N
0824CM24	N	N	<200	1,500	N	500.0	N	700	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TI%	S-MN	S-AG	S-AS	S-B	S-BA
0825CM24	38 38 36	113 13 4	50	1.50	3.00	2.00	5,000	N	N	20	150
0826CM24	38 38 22	113 10 7	30	2.00	1.50	1.00	7,000	N	N	50	1,000
0827CM24	38 36 59	113 10 51	30	1.00	1.00	>2.00	2,000	N	N	50	150
0828CM24	38 35 52	113 12 31	30	5.00	7.00	1.50	3,000	N	N	<20	700
0830CM34	38 8 14	113 2 14	30	5.00	5.00	>2.00	10,000	N	N	<20	1,000
0834CM34	38 8 22	113 5 53	50	5.00	5.00	>2.00	10,000	N	N	50	700
0835CM34	38 8 32	113 4 7	30	7.00	10.00	2.00	7,000	N	N	20	1,000
0836CM34	38 8 26	113 8 35	30	5.00	7.00	>2.00	10,000	N	N	20	1,500
0837CM34	38 7 5	113 7 39	50	7.00	2.00	>2.00	10,000	N	N	<20	300
0838CM34	38 10 0	113 9 59	50	5.00	5.00	>2.00	5,000	N	N	20	150
0840CM34	38 13 48	113 13 46	50	1.50	2.00	>2.00	5,000	N	N	<20	1,500
0842CM34	38 7 26	113 3 30	30	7.00	10.00	2.00	7,000	N	N	30	500
0843CM34	38 5 13	113 3 36	20	7.00	10.00	1.50	3,000	N	N	<20	150
0844CM34	38 5 41	113 2 55	20	7.00	10.00	1.50	5,000	N	N	<20	1,000
0845CM34	38 6 20	113 2 38	50	5.00	5.00	>2.00	>10,000	N	N	20	5,000
0847CM34	38 2 2	113 5 25	50	5.00	7.00	>2.00	5,000	N	N	<20	500
0848CM34	38 1 24	113 7 5	30	5.00	7.00	>2.00	7,000	N	N	<20	1,500
0849CM34	38 0 28	113 8 31	50	5.00	5.00	2.00	5,000	N	N	<20	700
0850CM34	38 0 8	113 4 27	30	7.00	10.00	>2.00	5,000	N	N	20	1,000
0851CM34	38 2 59	113 11 41	30	7.00	10.00	2.00	5,000	N	N	70	700
0852CM34	38 3 37	113 4 4	30	7.00	7.00	2.00	5,000	N	N	20	150
0853CM34	38 2 47	113 3 27	30	7.00	10.00	>2.00	3,000	N	N	<20	500
0854CM34	38 2 32	113 1 5	50	5.00	7.00	>2.00	7,000	N	N	20	500
0855CM34	38 5 4	113 0 27	20	10.00	10.00	1.00	7,000	N	N	20	1,000
0856CM34	38 7 11	113 6 14	50	3.00	3.00	>2.00	7,000	N	N	50	700
0855CM43	38 10 33	112 54 45	50	1.50	2.00	>2.00	5,000	N	N	<20	700
0856CM43	38 9 27	112 53 37	50	3.00	2.00	>2.00	>10,000	N	N	<20	2,000
0867CM43	38 9 27	112 52 59	30	2.00	2.00	>2.00	5,000	N	N	<20	1,500
0869CM43	38 8 18	112 51 34	30	7.00	7.00	2.00	7,000	N	N	20	1,000
0870CM43	38 9 27	112 52 5	50	2.00	1.50	>2.00	7,000	.7	N	<20	1,500
0871CM43	38 9 28	112 51 50	50	1.00	1.00	>2.00	7,000	N	N	20	1,000
0872CM43	38 10 26	112 50 11	30	5.00	7.00	2.00	>10,000	N	N	<20	5,000
0874CM43	38 12 36	112 49 44	30	2.00	3.00	>2.00	7,000	1.0	N	<20	2,000
0876CM43	38 14 16	112 50 16	30	10.00	7.00	1.50	5,000	N	N	20	200
0877CM43	38 13 44	112 51 23	50	3.00	5.00	>2.00	7,000	N	N	<20	1,500
0878CM43	38 8 1	112 59 18	30	10.00	10.00	2.00	10,000	N	N	<20	1,500
0879CM43	38 6 24	112 57 18	20	7.00	7.00	1.50	5,000	N	N	<20	300
0880CM43	38 5 42	112 57 33	20	10.00	15.00	1.50	3,000	N	N	<20	150
0881CM43	38 5 40	112 59 23	20	7.00	10.00	1.50	3,000	N	N	<20	300
0882CM43	38 2 24	112 59 30	30	7.00	7.00	2.00	7,000	N	N	20	150
0883CM43	38 3 11	112 57 9	20	7.00	7.00	1.50	5,000	N	N	<20	150
0884CM43	38 0 57	112 55 23	20	7.00	15.00	1.00	5,000	N	N	<20	300
0885CM43	38 1 56	112 54 30	20	7.00	10.00	1.00	5,000	N	N	<20	500
0888CM43	38 0 15	112 49 48	20	10.00	15.00	2.00	3,000	N	N	<20	50
0889CM43	38 3 39	112 47 8	20	7.00	10.00	1.00	5,000	N	N	<20	700

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-BE	S-BI	S-CD	S-CO	S-CK	S-CU	S-LA	S-MO	S-NB	S-NI	S-P2
0825CM24	N	N	N	70	300	20	>2,000	N	50	50	150
0826CM24	10.0	N	N	100	200	150	200	10	<50	200	100
0827CM24	2.0	N	N	50	700	70	200	7	100	70	150
0828CM24	<2.0	N	N	70	500	30	200	N	<50	150	100
0830CM34	N	N	N	70	200	70	200	10	70	50	20
0834CM34	N	N	N	100	1,000	70	200	10	50	70	50
0835CM34	N	N	N	70	1,000	100	300	N	50	100	20
0836CM34	<2.0	N	N	50	300	70	200	10	50	70	70
0837CM34	N	N	N	70	150	50	150	10	70	20	30
0838CM34	N	N	N	70	700	100	500	10	100	100	70
0840CM34	2.0	N	N	100	700	70	150	7	<50	100	150
0842CM34	N	N	N	100	700	50	100	10	50	100	20
0843CM34	N	N	N	70	200	70	100	30	<50	100	<20
0844CM34	N	N	N	70	700	30	100	N	<50	100	50
0845CM34	N	N	N	150	300	70	200	N	<50	70	50
0847CM34	N	N	N	150	700	70	500	N	50	100	50
0848CM34	<2.0	N	N	70	300	200	500	7	<50	100	100
0849CM34	N	N	N	100	300	50	2,000	7	50	70	100
0850CM34	N	N	N	70	300	20	300	N	<50	70	50
0851CM34	<2.0	N	N	70	300	70	200	N	<50	70	70
0852CM34	N	N	N	70	300	100	1,000	7	50	100	20
0853CM34	N	N	N	70	700	50	700	N	50	100	50
0854CM34	N	N	N	100	500	50	150	N	<50	70	20
0855CM34	N	N	N	70	300	70	100	N	<50	70	30
0856CM34	2.0	N	N	70	700	70	300	20	100	70	70
0858CM43	2.0	N	N	70	700	50	200	N	<50	100	150
0859CM43	N	N	N	70	150	20	100	7	70	30	70
0860CM43	2.0	N	N	70	500	70	200	N	<50	70	150
0867CM43	N	N	N	70	300	50	100	N	<50	50	70
0869CM43	2.0	N	N	100	700	50	100	N	<50	100	300
0871CM43	<2.0	N	N	70	500	50	70	N	50	100	150
0872CM43	N	N	N	200	3,000	50	200	N	<50	200	70
0874CM43	<2.0	N	N	70	200	50	300	7	<50	70	150
0876CM43	N	N	N	100	1,000	70	70	N	<50	200	20
0877CM43	<2.0	N	N	150	700	50	50	N	50	100	100
0878CM43	N	N	N	70	1,000	100	70	7	<50	100	30
0879CM43	N	N	N	50	500	150	200	7	<50	100	20
0880CM43	N	N	N	70	500	30	100	7	<50	100	<20
0881CM43	N	N	N	70	500	100	200	10	<50	100	<20
0882CM43	N	N	N	100	300	30	200	N	<50	100	20
0883CM43	N	N	N	70	1,000	70	70	10	<50	70	20
0884CM43	N	N	N	30	300	70	100	N	<50	70	50
0885CM43	N	N	N	50	200	50	200	N	N	100	20
0886CM43	N	N	N	70	500	50	700	30	<50	100	<20
0889CM43	N	N	N	70	200	50	N	N	N	50	<20

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0825CM24	N	N	N	300	N	500.0	500	1,500	500
0826CM24	N	N	300	500	100	150.0	500	700	N
0827CM24	N	N	N	1,000	N	100.0	N	500	N
0828CM24	N	N	200	1,000	N	150.0	N	700	N
0830CM34	N	N	<200	700	N	70.0	1,000	500	N
0834CM34	N	N	N	1,000	N	150.0	1,000	700	N
0835CM34	N	N	N	1,000	N	70.0	N	300	N
0836CM34	N	15	<200	500	N	70.0	700	500	N
0837CM34	N	N	N	500	N	100.0	1,500	1,000	N
0838CM34	N	N	N	1,500	N	150.0	1,000	300	N
0840CM34	N	N	<200	1,500	N	70.0	700	1,000	N
0842CM34	N	N	N	700	N	70.0	N	700	N
0843CM34	N	N	<200	700	N	70.0	N	200	N
0844CM34	N	N	200	500	N	70.0	N	150	N
0845CM34	N	N	N	2,000	N	70.0	300	300	N
0847CM34	N	N	N	1,500	N	100.0	1,000	2,000	N
0848CM34	N	N	N	1,000	N	150.0	500	200	N
0849CM34	N	N	N	1,500	N	200.0	500	500	150
0850CM34	N	N	<200	700	N	100.0	N	300	N
0851CM34	N	N	<200	500	N	100.0	N	200	N
0852CM34	N	N	<200	700	N	100.0	500	700	N
0853CM34	N	N	<200	700	N	100.0	N	200	N
0854CM34	N	N	N	1,500	N	70.0	1,500	200	N
0855CM34	N	N	200	500	N	70.0	1,500	200	N
0856CM34	N	N	<200	700	N	100.0	500	150	N
0857CM43	N	N	<200	1,500	N	70.0	1,000	500	N
0858CM43	N	N	N	1,000	N	70.0	1,500	200	N
0859CM43	N	N	<200	1,500	N	70.0	N	300	N
0860CM43	N	N	<200	500	N	100.0	300	150	N
0861CM43	N	N	<200	2,000	N	150.0	N	1,000	N
0867CM43	N	N	N	1,000	N	50.0	1,000	200	N
0868CM43	N	N	300	1,000	N	70.0	N	300	N
0869CM43	N	N	<200	1,500	N	100.0	N	700	N
0870CM43	N	N	<200	500	N	70.0	N	200	N
0871CM43	N	N	<200	2,000	N	70.0	N	>2,000	N
0878CM43	N	N	500	1,000	N	300.0	N	200	N
0879CM43	N	N	<200	500	N	70.0	300	500	N
0880CM43	N	N	<200	700	N	70.0	N	70	N
0881CM43	N	N	200	500	N	70.0	N	500	N
0882CM43	N	N	N	1,000	N	70.0	300	150	N
0883CM43	N	N	N	500	N	70.0	N	150	N
0884CM43	N	N	<200	500	N	70.0	N	100	N
0885CM43	N	N	200	700	N	100.0	N	500	N
0886CM43	N	N	200	700	N	30.0	N	70	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIZ	S-MN	S-AG	S-AS	S-B	S-BA
0890CM43	38 6 8	112 53 45	20	7.00	5.00	1.50	3,000	N	N	<20	150
0891CM43	38 7 7	112 50 49	30	7.00	10.00	2.00	3,000	N	N	20	150
0892CM43	38 5 38	112 51 47	20	7.00	7.00	1.00	3,000	N	N	<20	150
0893CM43	38 5 41	112 51 43	20	7.00	10.00	1.00	5,000	N	N	<20	300
0894CM43	38 5 39	112 51 35	30	3.00	2.00	>2.00	7,000	N	N	30	500
0895CM43	38 4 57	112 52 18	30	7.00	10.00	1.50	5,000	N	N	<20	150
0896CM43	38 3 47	112 51 22	20	7.00	10.00	1.50	3,000	N	N	<20	150
0897CM43	38 3 59	112 48 57	20	7.00	10.00	1.00	5,000	N	N	20	200
0898CM34	38 7 28	112 46 14	20	7.00	10.00	1.50	3,000	N	N	20	150
0899CM31	38 27 23	113 4 13	30	5.00	10.00	>2.00	5,000	N	N	50	200
0900CM31	38 26 53	113 13 44	30	3.00	5.00	>2.00	10,000	N	N	<20	150
0901CM31	38 28 33	113 13 16	30	7.00	7.00	>2.00	10,000	20.0	N	30	1,500
0902CM31	38 28 58	113 14 51	30	2.00	7.00	.20	7,000	1,500.0	300	<20	700
0903CM31	38 28 55	113 14 35	30	1.50	1.50	1.00	10,000	100.0	3,000	100	1,000
0904CM31	38 27 24	113 16 23	15	7.00	5.00	2.00	3,000	1.0	N	50	300
0905CM31	38 27 55	113 15 21	30	2.00	1.50	2.00	7,000	1.0	N	50	1,500
0906CM31	38 25 58	113 16 47	30	5.00	5.00	1.50	>10,000	N	N	50	5,000
0907CM31	38 26 27	113 16 9	30	3.00	7.00	1.50	7,000	15.0	5,000	50	1,000
0908CM31	38 27 29	113 17 57	30	2.00	30.00	.70	10,000	1.5	N	150	300
0909CM31	38 29 32	113 17 40	30	7.00	10.00	2.00	7,000	1.0	N	700	500
0910CM31	38 23 30	113 19 1	20	10.00	10.00	1.50	7,000	N	N	30	200
0911CM31	38 17 52	113 25 43	30	7.00	10.00	2.00	10,000	N	N	30	1,000
0912CM12	38 45 32	112 50 58	50	7.00	5.00	>2.00	7,000	N	N	<20	500
0913CM12	38 58 29	112 54 55	30	5.00	5.00	1.50	5,000	N	N	50	700
0914CM12	38 58 36	112 54 50	30	2.00	2.00	1.00	>10,000	N	N	100	2,000
0915CM31	38 21 33	113 5 32	30	.70	3.00	.05	1,500	N	1,500	50	100
0916CM31	38 21 14	113 5 16	30	5.00	7.00	1.50	3,000	.7	700	30	200
0917CM31	38 20 56	113 6 15	50	1.00	10.00	.50	3,000	20.0	2,000	20	700
0918CM31	38 20 51	113 6 16	30	2.00	5.00	.03	>10,000	500.0	1,000	30	150
0919CM31	38 21 30	113 7 46	30	3.00	5.00	1.00	1,000	N	700	30	1,500
0920CM31	38 21 46	113 8 35	30	1.50	3.00	.30	3,000	N	3,000	30	200
0921CM31	38 21 42	113 8 47	50	1.50	3.00	1.50	5,000	30.0	N	20	500
0922CM31	38 21 21	113 8 42	30	2.00	3.00	1.50	5,000	15.0	N	20	1,000
0923CM31	38 20 45	113 8 36	50	.70	1.00	.03	>10,000	150.0	1,000	30	300
0924CM31	38 20 46	113 8 20	30	2.00	30.00	1.00	5,000	5.0	300	50	700
0925CM31	38 19 26	113 8 46	50	1.50	3.00	1.00	10,000	70.0	1,500	50	200
0926CM31	38 20 31	113 10 9	30	1.50	1.50	>2.00	10,000	N	N	<20	1,500
0927CM31	38 18 55	113 10 17	30	1.50	2.00	>2.00	>10,000	N	N	<20	10,000
0928CM31	38 17 20	113 10 22	30	3.00	3.00	>2.00	1,000	N	N	<20	2,000
0929CM31	38 18 18	113 12 24	30	5.00	3.00	2.00	5,000	N	N	<20	1,000
0930CM31	38 16 59	113 12 18	30	7.00	7.00	1.50	7,000	N	N	<20	1,000
0931CM31	38 15 43	113 13 11	30	5.00	10.00	2.00	10,000	N	N	<20	1,500
1001CM31	38 17 22	113 10 30	20	5.00	10.00	1.50	7,000	N	N	<20	1,500
1002CM31	38 20 3	113 12 19	30	3.00	2.00	>2.00	10,000	N	N	<20	1,000
1003CM31	38 22 3	113 10 46	30	2.00	1.50	>2.00	2,000	N	N	20	500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0890CM43	N	N	N	70	500	70	100	N	<50	70	20
0891CM43	N	N	N	70	500	30	150	7	N	70	<20
0892CM43	N	N	N	70	300	70	200	N	N	100	20
0893CM43	N	N	N	70	500	70	<50	N	<50	100	20
0894CM43	N	N	N	70	500	150	200	30	300	100	50
0895CM43	N	N	N	70	500	70	100	10	N	100	<20
0896CM43	N	N	N	70	1,000	70	200	N	<50	100	<20
0897CM43	N	N	N	70	300	70	N	N	<50	70	<20
0900CM34	N	N	N	70	300	70	100	N	<50	100	20
0901CM31	2.0	20	N	70	200	300	700	70	70	100	1,000
0902CM31	<2.0	N	N	150	500	200	500	15	<50	100	200
0903CM31	<2.0	N	50	150	1,000	200	300	10	<50	150	7,000
0904CM31	15.0	70	N	70	70	1,000	100	200	<50	150	5,000
0906CM31	2.0	N	50	50	300	200	<50	20	N	50	20,000
0907CM31	<2.0	N	N	300	100	500	500	15	50	100	300
0908CM31	3.0	N	N	200	200	700	150	10	N	100	1,000
0909CM31	<2.0	N	N	70	500	100	1,000	10	50	100	150
0910CM31	<2.0	20	50	70	200	1,000	500	50	<30	150	15,000
0911CM31	<2.0	70	N	30	100	1,000	N	N	<50	50	1,500
0912CM31	2.0	N	N	300	100	1,000	500	30	<50	150	1,000
0917CM31	<2.0	N	N	100	1,500	100	100	N	N	300	<20
0918CM31	<2.0	N	N	100	700	70	2,000	N	50	2,000	150
0924CM12	N	N	N	100	300	70	200	20	100	30	50
0925CM12	3.0	N	N	200	500	100	200	7	<50	200	700
0926CM12	7.0	N	N	70	150	70	200	15	<50	150	100
0927CM31	<2.0	N	N	100	50	200	N	30	N	200	700
0928CM31	3.0	N	N	100	300	200	300	30	<50	150	700
0929CM31	5.0	15	N	200	150	500	150	50	N	200	1,000
0930CM31	5.0	1,500	N	50	20	50,000	N	100	N	70	30,000
0931CM31	10.0	N	N	100	500	300	200	70	<50	200	300
0932CM31	100.0	N	N	70	300	150	50	50	N	150	1,000
0933CM31	7.0	N	N	100	500	500	100	70	<50	150	5,000
0934CM31	5.0	N	N	150	500	500	150	70	<50	70	5,000
0935CM31	50.0	100	N	30	50	2,000	N	150	N	70	3,000
0936CM31	5.0	N	N	70	300	500	100	100	<50	150	3,000
0937CM31	7.0	1,000	N	150	300	3,000	100	70	N	500	15,000
0938CM31	2.0	N	N	100	200	200	300	15	70	100	200
0939CM31	3.0	N	N	150	500	200	300	20	50	100	700
0940CM31	N	N	N	150	100	70	200	20	50	150	100
0942CM31	<2.0	N	N	100	700	300	200	10	<50	150	70
0943CM31	<2.0	N	N	70	500	100	100	7	<50	70	50
0944CM31	<2.0	N	N	70	700	100	150	N	<50	100	100
1001CM31	N	N	N	70	700	100	70	N	<50	100	100
1002CM31	<2.0	N	N	70	150	100	100	20	70	100	150
1005CM31	2.0	N	N	70	700	100	200	7	50	150	150

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0890CM43	N	N	<200	700	N	50.0	N	100	N
0891CM43	N	N	N	700	N	50.0	N	150	N
0892CM43	N	N	N	700	N	50.0	N	150	N
0893CM43	N	N	<200	500	N	70.0	N	300	N
0894CM43	N	N	<200	700	N	100.0	N	500	N
0895CM43	N	N	<200	700	N	50.0	N	200	N
0896CM43	N	N	N	700	N	50.0	N	70	N
0897CM43	N	N	200	700	N	50.0	N	50	N
0900CM34	N	N	<200	700	N	50.0	N	200	N
0901CM31	N	15	500	500	100	300.0	N	700	150
0902CM31	N	N	200	1,000	N	100.0	N	500	N
0903CM31	N	N	500	700	N	100.0	1,500	300	N
0904CM31	150	150	N	200	N	30.0	3,000	50	N
0906CM31	N	N	<200	1,000	N	30.0	10,000	100	N
0907CM31	N	N	<200	300	N	100.0	300	200	N
0908CM31	N	N	700	500	N	70.0	1,000	200	N
0909CM31	N	N	200	500	N	200.0	N	500	N
0910CM31	700	N	200	700	N	100.0	5,000	200	N
0911CM31	N	70	N	200	N	50.0	1,500	200	N
0912CM31	N	N	200	500	N	100.0	N	500	N
0917CM31	N	N	N	700	N	100.0	300	300	N
0918CM31	N	N	200	1,000	N	200.0	500	1,000	N
0924CM12	N	N	N	700	N	200.0	N	700	N
0925CM12	N	N	N	500	N	200.0	500	1,000	N
0926CM12	N	N	300	200	N	300.0	N	1,000	N
0927CM31	N	20	<200	50	N	N	3,000	30	N
0928CM31	N	N	<200	500	N	150.0	1,000	200	N
0929CM31	N	N	200	300	N	100.0	1,000	200	N
0930CM31	N	1,000	<200	50	N	N	5,000	20	N
0931CM31	N	N	300	500	N	70.0	700	150	N
0932CM31	1,000	N	N	500	300	70.0	1,000	200	N
0933CM31	N	30	200	1,000	N	100.0	3,000	150	N
0934CM31	N	30	200	1,000	N	70.0	2,000	300	N
0935CM31	300	1,000	<200	50	N	20.0	>20,000	20	N
0936CM31	N	50	<200	500	N	70.0	3,000	300	N
0937CM31	500	500	N	1,000	100	70.0	2,000	50	N
0938CM31	N	N	<200	1,000	N	100.0	500	1,500	N
0939CM31	N	N	200	1,500	N	500.0	700	700	N
0940CM31	N	N	<200	1,000	N	100.0	N	200	N
0942CM31	N	N	<200	1,500	N	150.0	300	500	N
0943CM31	N	N	<200	1,000	N	100.0	N	200	N
0944CM31	N	N	200	1,000	N	100.0	N	150	N
1001CM31	N	N	<200	700	N	70.0	N	200	N
1002CM31	N	N	N	1,000	N	70.0	N	500	N
1003CM31	N	N	<200	1,000	N	70.0	N	500	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
1006CM31	38 23 48	113 7 48	20	2.00	15.00	.70	5,000	N	700	50	500
1007CM31	38 24 16	113 6 51	20	3.00	15.00	1.00	5,000	N	300	20	500
1008CM31	38 23 24	113 5 46	20	2.00	15.00	.70	3,000	N	300	20	200
1011CM33	38 3 40	113 43 22	30	.50	1.00	>2.00	>10,000	N	N	<20	100
1013CM33	38 3 19	113 43 41	30	.70	1.50	>2.00	>10,000	N	N	20	50
1015CM33	38 3 31	113 43 33	30	1.50	3.00	>2.00	10,000	N	N	20	200
1016CM33	38 3 48	113 42 44	50	.70	.50	>2.00	7,000	N	N	<20	150
1017CM14	38 43 28	112 1 51	10	10.00	5.00	1.00	5,000	N	N	<20	150
1051CM14	38 43 7	112 0 34	20	5.00	3.00	2.00	5,000	N	N	<20	700
1053CM14	38 40 53	112 2 20	15	7.00	3.00	2.00	5,000	N	N	30	300
1055CM14	38 36 55	112 6 12	30	1.00	2.00	>2.00	7,000	N	N	20	700
1056CM14	38 36 46	112 3 36	30	1.50	2.00	>2.00	7,000	N	N	70	500
1057CM14	38 34 13	112 5 10	20	5.00	5.00	>2.00	2,000	N	N	<20	200
1058CM14	38 34 39	112 4 59	30	1.00	1.50	>2.00	2,000	N	N	70	5,000
1059CM14	38 36 13	112 5 42	30	1.00	2.00	>2.00	3,000	N	N	20	500
1061CM14	38 38 21	112 3 5	10	7.00	5.00	2.00	3,000	N	N	<20	100
1062CM14	38 39 30	112 5 57	15	7.00	5.00	2.00	10,000	N	N	N	1,000
1066CM14	38 30 36	112 1 58	15	5.00	5.00	2.00	5,000	N	N	150	500
1068CM14	38 30 21	112 0 15	20	7.00	7.00	>2.00	5,000	N	N	70	100
1069CM14	38 33 11	112 0 22	7	10.00	7.00	1.00	5,000	N	N	<20	50
1080CM42	38 25 51	112 46 37	10	1.50	3.00	>2.00	>10,000	N	N	N	7,000
1081CM42	38 25 52	112 46 34	10	3.00	3.00	>2.00	7,000	N	N	<20	500
1083CM44	38 24 44	112 46 18	30	5.00	3.00	>2.00	7,000	N	N	<20	700
1084CM44	38 1 36	112 14 5	20	5.00	5.00	1.50	5,000	N	N	N	700
1085CM44	38 2 44	112 13 36	15	5.00	3.00	>2.00	5,000	N	N	<20	500
1086CM44	38 4 19	112 14 0	15	7.00	7.00	1.50	5,000	N	N	<20	200
1087CM44	38 3 22	112 10 0	20	5.00	3.00	>2.00	5,000	N	N	<20	200
1088CM44	38 0 18	112 11 52	20	5.00	7.00	2.00	3,000	N	N	20	300
1089CM44	38 0 51	112 10 26	7	2.00	3.00	1.50	5,000	N	N	20	500
1091CM44	38 1 54	112 9 49	20	5.00	3.00	>2.00	5,000	N	N	<20	200
1092CM44	38 1 27	112 7 11	20	5.00	7.00	2.00	5,000	N	N	<20	700
1093CM44	38 1 0	112 5 40	20	2.00	2.00	2.00	5,000	N	N	20	300
1095CM44	38 2 7	112 4 16	15	3.00	3.00	2.00	5,000	N	N	20	300
1096CM44	38 3 29	112 5 20	20	7.00	5.00	>2.00	5,000	N	N	200	200
1097CM44	38 4 55	112 0 55	15	7.00	5.00	1.50	5,000	N	N	20	300
1099CM44	38 6 18	112 4 36	20	7.00	5.00	2.00	7,000	N	N	<20	1,000
1302CM43	38 1 44	112 40 12	30	7.00	10.00	2.00	2,000	N	N	20	150
1303CM43	38 2 30	112 39 52	20	10.00	15.00	1.50	5,000	N	N	20	150
1304CM43	38 4 26	112 40 21	30	10.00	7.00	1.50	5,000	N	N	20	150
1305CM43	38 4 46	112 42 2	30	7.00	7.00	1.00	5,000	N	N	<20	300
1306CM43	38 7 7	112 39 52	20	7.00	10.00	1.00	3,000	N	N	30	150
1307CM43	38 7 15	112 36 22	10	10.00	15.00	1.00	3,000	N	N	<20	150
1308CM43	38 1 2	112 32 4	50	2.00	3.00	>2.00	3,000	N	N	500	500
1309CM43	38 2 32	112 30 54	30	7.00	7.00	1.00	5,000	N	N	<20	150
1310CM43	38 4 47	112 31 13	30	7.00	7.00	>2.00	5,000	N	N	<20	150

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1006CM31	2.0	15	N	100	150	150	150	70	<50	150	500
1007CM31	3.0	N	N	70	200	500	500	100	50	70	500
1008CM31	<2.0	30	N	50	100	70	100	100	<50	50	500
1011CM33	15.0	N	N	30	70	10	300	100	5,000	N	50
1013CM35	5.0	N	N	20	70	50	700	200	700	<10	50
1015CM33	7.0	N	N	30	150	50	>2,000	70	500	20	300
1016CM33	N	N	N	100	100	20	200	30	300	50	100
1030CM14	N	N	N	100	300	50	200	N	N	150	20
1031CM14	N	N	N	100	300	50	2,000	N	50	100	150
1032CM14	<2.0	N	N	70	300	70	300	N	<50	100	70
1055CM14	<2.0	N	N	100	300	150	150	N	<50	70	100
1056CM14	5.0	N	N	70	150	150	150	N	N	N	70
1057CM14	2.0	N	N	70	500	100	300	10	70	150	50
1058CM14	2.0	N	N	100	300	150	300	20	70	30	70
1059CM14	2.0	N	N	70	150	100	200	N	<50	N	200
1061CM14	N	N	N	70	150	70	N	N	N	70	<20
1062CM14	N	N	N	100	150	100	50	N	N	50	30
1063CM14	3.0	N	N	70	300	70	150	10	<50	100	50
1065CM14	<2.0	N	N	100	700	100	200	15	<50	100	30
1066CM14	<2.0	N	N	50	1,000	20	N	N	N	150	<20
1080CM42	7.0	30	N	70	50	30	>2,000	50	500	20	3,000
1081CM42	2.0	N	N	100	<20	30	700	20	200	N	300
1083CM44	N	N	N	100	50	30	50	N	<50	N	20
1084CM44	<2.0	N	N	50	50	50	70	N	N	N	30
1085CM44	N	N	N	70	30	50	50	N	N	N	30
1086CM44	N	N	N	70	50	30	N	N	N	N	20
1087CM44	<2.0	N	N	70	300	30	200	N	<50	70	30
1088CM44	<2.0	N	N	100	70	30	100	N	N	20	20
1089CM44	<2.0	N	N	50	50	30	50	N	<50	N	20
1091CM44	N	N	N	70	50	50	50	N	<50	N	20
1092CM44	<2.0	N	N	50	50	30	100	N	N	20	30
1093CM44	<2.0	N	N	70	30	20	70	N	<50	N	30
1095CM44	<2.0	N	N	70	70	30	200	N	<50	N	20
1096CM44	<2.0	N	N	100	150	30	500	N	<50	30	20
1097CM44	N	N	N	70	500	30	300	N	<50	150	20
1099CM44	<2.0	N	N	100	100	30	150	N	N	N	50
1302CM43	N	N	N	100	300	50	N	N	N	50	<20
1303CM43	N	N	N	70	700	100	N	N	N	50	<20
1304CM43	N	N	N	100	500	100	150	N	N	100	20
1305CM43	N	N	N	100	300	70	N	N	N	100	20
1306CM43	N	N	N	70	500	70	500	N	<50	100	20
1307CM43	N	N	N	70	500	70	500	N	<50	100	20
1308CM43	<2.0	N	N	100	500	50	200	N	<50	100	<20
1309CM43	N	N	N	70	150	70	100	N	70	150	50
1310CM43	N	N	N	70	300	20	200	N	<50	100	100

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SM	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1006CM31	N	N	500	500	N	70.0	N	500	N
1007CM31	N	20	N	200	70	150.0	N	700	N
1008CM31	N	N	300	200	100	70.0	N	150	N
1011CM33	N	300	N	200	N	200.0	1,500	1,500	N
1013CM33	N	20	N	150	N	500.0	2,000	>2,000	N
1015CM33	N	150	N	200	N	1,000.0	1,500	2,000	300
1016CM33	N	50	N	700	N	150.0	N	700	N
1030CM14	N	N	N	300	N	70.0	N	70	N
1031CM14	N	N	200	500	N	200.0	300	300	500
1033CM14	N	N	300	700	N	200.0	N	300	N
1055CM14	N	N	500	700	N	70.0	500	500	N
1056CM14	N	N	200	1,000	N	100.0	N	200	N
1057CM14	N	20	200	500	N	100.0	N	700	N
1038CM14	N	N	200	1,000	N	70.0	500	500	N
1039CM14	N	N	200	1,000	N	70.0	N	100	N
1061CM14	N	N	N	300	N	70.0	N	100	N
1062CM14	N	N	300	700	N	100.0	N	100	N
1065CM14	N	N	<200	500	N	100.0	N	300	N
1038CM14	N	70	N	700	N	100.0	300	700	N
1039CM14	N	N	<200	500	N	70.0	N	150	N
1030CM42	N	30	500	200	N	500.0	700	>2,000	1,000
1061CM42	N	N	300	300	N	200.0	N	1,500	300
1033CM44	N	N	300	500	N	100.0	500	200	N
1034CM44	N	N	300	300	N	70.0	N	300	N
1055CM44	N	N	500	500	N	70.0	300	500	N
1086CM44	N	N	200	500	N	70.0	N	100	N
1087CM44	N	N	200	700	N	100.0	N	500	N
1088CM44	N	N	300	500	N	70.0	300	150	N
1039CM44	N	N	200	500	N	70.0	N	100	N
1091CM44	N	N	300	500	N	70.0	500	200	N
1092CM44	N	N	500	500	N	100.0	N	500	N
1093CM44	N	N	200	500	N	70.0	700	150	N
1095CM44	N	N	500	300	N	100.0	500	200	N
1096CM44	N	N	200	500	N	100.0	300	500	N
1097CM44	N	N	300	500	N	70.0	N	200	N
1092CM44	N	N	300	500	N	100.0	500	200	N
1302CM43	N	N	200	1,000	N	50.0	N	70	N
1303CM43	N	N	200	700	N	30.0	N	50	N
1304CM43	N	N	<200	1,000	N	70.0	N	150	N
1305CM43	N	N	200	500	N	30.0	N	70	N
1306CM43	N	N	<200	500	N	70.0	N	150	N
1307CM43	N	N	200	700	N	70.0	N	100	N
1308CM43	N	N	N	1,500	N	70.0	N	700	N
1309CM43	N	N	200	500	N	50.0	300	100	N
1310CM43	N	N	N	1,000	N	70.0	N	200	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGZ	S-CAX	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
1311CM43	38 7 43	112 40 57	30	7.00	7.00	1.50	5,000	N	N	<20	100
1312CM43	38 10 58	112 41 53	50	3.00	5.00	>2.00	7,000	N	N	<20	300
1313CM43	38 11 58	112 40 21	30	5.00	3.00	>2.00	3,000	N	N	<20	150
1314CM43	38 11 25	112 38 47	30	7.00	7.00	>2.00	3,000	N	N	<20	500
1315CM43	38 13 27	112 34 10	30	7.00	7.00	2.00	5,000	N	N	<20	150
1316CM43	38 14 8	112 31 28	50	5.00	3.00	>2.00	5,000	N	N	<20	150
1317CM42	38 20 30	112 41 12	20	7.00	7.00	2.00	7,000	N	N	30	700
1318CM42	38 21 28	112 42 22	20	7.00	10.00	1.50	7,000	1.0	N	20	500
1319CM42	38 23 29	112 41 59	30	1.50	5.00	>2.00	5,000	N	N	20	700
1320CM42	38 25 40	112 43 50	15	5.00	10.00	1.50	3,000	N	N	<20	200
1321CM42	38 29 44	112 44 35	20	7.00	7.00	>2.00	10,000	N	N	<20	700
1322CM42	38 29 32	112 38 40	30	5.00	2.00	>2.00	7,000	N	N	20	2,000
1323CM42	38 25 23	112 47 34	30	5.00	7.00	>2.00	7,000	N	N	<20	200
1324CM42	38 25 28	112 47 41	20	5.00	10.00	>2.00	7,000	N	N	20	500
1325CM42	38 15 16	112 49 46	30	5.00	7.00	2.00	5,000	N	N	<20	500
1326CM42	38 15 18	112 49 46	30	5.00	7.00	2.00	5,000	N	N	<20	700
1327CM42	38 15 34	112 53 19	30	2.00	7.00	1.00	2,000	2.0	N	100	300
1328CM43	38 15 43	112 53 22	20	2.00	20.00	.20	3,000	1.0	1,000	30	100
1330CM42	38 16 36	112 54 35	30	5.00	5.00	1.50	2,000	1.0	N	50	300
1332CM42	38 17 19	112 53 56	50	2.00	3.00	>2.00	3,000	N	N	70	300
1336CM42	38 16 32	112 52 22	30	5.00	7.00	1.50	2,000	N	N	20	500
1338CM42	38 17 17	112 51 42	30	2.00	1.50	1.00	1,500	N	N	100	300
1340CM42	38 19 46	112 52 56	20	5.00	15.00	.30	7,000	200.0	N	<20	150
1341CM42	38 22 43	112 50 29	20	3.00	7.00	>2.00	3,000	N	N	<20	500
1343CM42	38 25 44	112 50 31	20	7.00	10.00	>2.00	5,000	N	N	<20	200
1344CM42	38 24 30	112 42 40	30	2.00	10.00	>2.00	5,000	N	N	20	200
1345CM42	38 24 32	112 42 40	20	2.00	7.00	>2.00	3,000	N	N	20	200
1346CM42	38 24 30	112 42 49	20	2.00	7.00	>2.00	5,000	N	N	50	200
1347CM42	38 27 46	112 44 37	30	3.00	2.00	>2.00	10,000	N	N	<20	200
1348CM42	38 29 29	112 45 17	30	2.00	5.00	>2.00	>10,000	2.0	N	20	7,000
1350CM43	38 29 4	112 49 31	20	5.00	10.00	>2.00	7,000	N	N	20	150
1351CM42	38 29 4	112 49 30	15	5.00	10.00	>2.00	10,000	N	N	<20	200
1352CM42	38 29 18	112 48 59	10	5.00	10.00	>2.00	7,000	N	N	<20	500
1353CM42	38 29 2	112 48 5	5	3.00	10.00	>2.00	7,000	N	N	<20	300
1355CM42	38 28 43	112 42 49	30	5.00	3.00	>2.00	2,000	N	N	<20	150
1357CM42	38 26 40	112 41 48	30	1.50	5.00	2.00	5,000	N	N	20	700
1358CM42	38 27 44	112 41 6	30	1.00	5.00	1.00	1,000	N	300	<20	200
1359CM42	38 29 48	112 42 2	30	3.00	7.00	>2.00	2,000	1.5	N	50	150
1362CM42	38 25 55	112 39 56	30	5.00	5.00	2.00	7,000	N	N	<20	1,000
1363CM42	38 25 12	112 40 16	30	1.50	3.00	2.00	2,000	N	N	20	300
1364CM42	38 23 14	112 40 34	30	1.00	3.00	>2.00	5,000	N	N	<20	200
1365CM42	38 25 38	112 38 48	30	2.00	3.00	>2.00	5,000	N	N	20	500
1366CM42	38 25 2	112 38 40	30	3.00	2.00	>2.00	10,000	N	N	20	700
1367CM42	38 27 2	112 38 22	30	3.00	3.00	>2.00	5,000	N	N	<20	500
1370CM13	38 30 54	112 41 40	20	15.00	10.00	.30	3,000	N	N	<20	70

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PE
1311CM43	N	N	N	100	500	30	300	N	<50	100	50
1312CM43	N	N	N	150	500	200	150	N	100	100	30
1313CM43	N	N	N	100	300	150	100	20	70	100	20
1314CM43	N	N	N	70	150	50	150	N	<50	70	20
1315CM43	N	N	N	70	300	70	2,000	N	<50	100	<20
1316CM43	N	N	N	100	500	200	70	7	<50	100	20
1317CM42	2.0	N	N	70	500	200	300	30	150	100	150
1318CM42	15.0	15	N	30	500	150	1,500	50	300	150	200
1319CM42	15.0	N	N	100	150	200	>2,000	30	500	100	300
1320CM42	<2.0	N	N	70	500	100	2,000	20	150	100	150
1321CM42	3.0	15	N	70	500	70	>2,000	20	300	200	1,000
1322CM42	N	N	N	70	200	30	>2,000	7	100	50	70
1323CM42	2.0	N	N	70	100	70	>2,000	15	700	50	1,000
1324CM42	<2.0	N	N	50	70	70	>2,000	15	200	20	700
1325CM42	N	N	N	70	700	100	50	N	<50	100	20
1326CM42	<2.0	N	N	70	700	100	50	N	N	100	20
1327CM42	2.0	150	N	100	700	150	200	10	<50	150	200
1328CM43	3.0	15	N	100	100	200	300	7	<50	50	200
1332CM42	N	N	N	70	5,000	100	1,000	20	70	100	200
1336CM42	<2.0	N	N	50	500	70	300	15	<50	100	100
1338CM42	2.0	N	N	50	2,000	100	200	30	<50	100	200
1340CM42	20.0	30	N	50	100	200	<50	200	<50	70	1,500
1341CM42	2.0	20	N	70	50	70	>2,000	15	200	50	150
1343CM42	<2.0	N	N	70	30	70	1,000	15	150	50	<20
1344CM42	5.0	15	N	70	200	100	>2,000	30	300	100	150
1345CM42	5.0	N	N	70	300	100	>2,000	15	200	100	300
1346CM42	5.0	N	N	70	150	70	>2,000	30	200	70	300
1347CM42	<2.0	N	N	70	200	10	>2,000	7	300	100	200
1348CM42	3.0	N	N	70	150	30	>2,000	50	300	50	1,000
1350CM42	N	N	N	100	200	50	>2,000	15	200	50	50
1351CM42	<2.0	N	N	70	150	20	>2,000	20	150	20	70
1352CM42	2.0	N	N	100	50	50	2,000	20	500	50	70
1353CM42	2.0	N	N	100	30	10	>2,000	30	200	20	100
1355CM42	2.0	N	N	100	700	20	2,000	15	200	150	100
1357CM42	3.0	N	N	100	500	300	1,000	20	70	100	300
1359CM42	7.0	N	N	100	300	300	200	30	<50	150	200
1359CM42	5.0	N	N	70	300	500	700	30	100	150	20
1362CM42	5.0	N	N	70	500	100	1,000	10	100	100	300
1363CM42	5.0	N	N	100	300	200	>2,000	20	100	100	200
1364CM42	3.0	N	N	100	300	200	>2,000	30	200	70	200
1365CM42	3.0	N	N	100	1,500	300	500	10	100	150	150
1365CM42	3.0	N	N	70	500	100	200	30	200	100	150
1367CM42	N	N	N	70	500	30	>2,000	10	100	70	70
1370CM13	N	N	N	100	1,000	20	N	N	N	300	<20

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-SB	S-SH	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1311CM43	N	N	N	700	N	70.0	300	150	N
1312CM43	N	N	N	1,500	N	100.0	1,000	2,000	N
1313CM43	N	N	N	1,000	N	100.0	500	500	N
1314CM43	N	N	<200	700	N	150.0	N	200	N
1315CM34	N	N	N	500	N	150.0	500	2,000	200
1316CM43	N	N	<200	700	N	50.0	1,000	200	N
1317CM42	N	30	<200	500	N	100.0	300	500	N
1318CM42	N	70	200	150	N	500.0	N	700	N
1319CM42	N	70	300	200	70	300.0	N	700	150
1320CM42	N	15	300	300	N	150.0	N	300	N
1321CM42	N	50	<200	200	N	300.0	N	700	200
1322CM42	N	20	N	200	N	200.0	700	1,000	150
1323CM42	N	50	200	200	200	1,000.0	1,000	1,000	500
1324CM42	N	50	300	200	N	500.0	N	1,500	700
1325CM42	N	N	<200	700	N	70.0	N	100	N
1326CM42	N	N	<200	1,000	N	70.0	N	150	N
1327CM42	N	N	500	700	N	70.0	N	300	N
1328CM43	N	30	N	100	300	70.0	500	100	N
1329CM42	N	20	200	500	N	200.0	N	500	N
1330CM42	N	N	N	1,500	N	200.0	1,000	1,000	N
1331CM42	N	N	700	1,000	N	100.0	N	200	N
1332CM42	N	100	<200	700	N	50.0	300	500	N
1333CM42	N	50	<200	150	N	50.0	1,500	150	N
1334CM42	N	20	<200	200	N	500.0	N	700	700
1335CM42	N	70	N	500	N	200.0	700	500	150
1336CM42	N	70	300	200	N	300.0	N	500	200
1337CM42	N	70	300	200	N	300.0	N	500	300
1338CM42	N	70	200	200	70	500.0	N	700	300
1339CM42	N	70	200	200	N	300.0	500	2,000	500
1340CM42	N	70	200	300	N	300.0	N	2,000	500
1341CM43	N	70	N	200	N	500.0	N	>2,000	200
1342CM42	N	70	N	200	N	500.0	N	>2,000	500
1343CM42	N	70	N	150	N	1,000.0	N	2,000	150
1344CM42	N	70	N	150	N	1,000.0	N	1,000	700
1345CM42	N	50	200	500	70	300.0	N	2,000	200
1346CM42	N	N	300	700	N	100.0	N	700	N
1347CM42	N	N	200	300	N	100.0	N	2,000	N
1348CM42	N	20	300	500	N	150.0	N	700	N
1349CM42	N	20	<200	700	N	200.0	N	1,000	N
1350CM42	N	20	200	200	N	150.0	N	1,500	150
1351CM42	N	50	<200	200	70	300.0	N	2,000	500
1352CM42	N	N	300	700	N	100.0	N	700	N
1353CM42	N	N	200	300	N	100.0	N	2,000	N
1354CM42	N	20	300	500	N	150.0	N	700	N
1355CM42	N	20	<200	700	N	200.0	N	1,000	N
1356CM42	N	20	200	200	N	150.0	N	1,500	150
1357CM42	N	50	<200	200	70	300.0	N	2,000	500
1358CM42	N	N	N	1,000	N	100.0	N	700	N
1359CM42	N	20	<200	700	N	150.0	500	500	N
1360CM42	N	20	N	200	N	300.0	N	2,000	500
1361CM42	N	20	N	300	N	30.0	N	70	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, NICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CR%	S-TI%	S-MN	S-AG	S-AS	S-B	S-BA
1371CM13	38 31 22	112 43 20	20	15.00	3.00	.70	5,000	N	N	<20	50
1372CM42	38 29 34	112 40 30	30	1.50	2.00	>2.00	5,000	N	N	50	1,000
1374CM13	38 33 5	112 40 56	10	10.00	5.00	1.00	3,000	N	N	100	150
1375CM13	38 32 5	112 41 26	7	3.00	2.00	1.00	3,000	N	N	70	150
1376 13	38 32 32	112 39 29	10	15.00	5.00	1.00	3,000	N	N	20	200
1377CM13	38 34 4	112 40 17	20	7.00	3.00	>2.00	5,000	N	N	50	300
1378CM13	38 35 3	112 41 7	30	5.00	3.00	>2.00	5,000	N	N	150	300
1379CM13	38 35 19	112 43 15	10	1.50	3.00	>2.00	3,000	N	N	100	500
1380CM13	38 34 34	112 43 35	30	10.00	5.00	>2.00	7,000	N	N	150	500
1334CM13	38 36 40	112 40 9	30	5.00	3.00	>2.00	5,000	N	N	100	300
1355CM13	38 35 48	112 38 55	30	7.00	7.00	>2.00	7,000	N	N	150	500
1356CM13	38 39 26	112 42 18	30	3.00	3.00	>2.00	5,000	N	N	50	500
1357CM13	38 39 46	112 40 35	7	5.00	5.00	2.00	5,000	N	N	20	100
1358CM13	38 38 56	112 44 48	20	5.00	5.00	>2.00	10,000	N	N	20	1,000
1359CM13	38 41 46	112 41 2	15	10.00	5.00	>2.00	5,000	N	N	300	1,000
1360CM12	38 45 5	112 42 58	15	5.00	5.00	.70	7,000	N	N	<20	1,000
1361CM13	38 42 30	112 43 12	15	5.00	3.00	1.50	5,000	N	N	30	700
1362CM13	38 42 50	112 41 54	15	7.00	3.00	2.00	7,000	N	N	30	700
1363CM13	38 41 31	112 43 55	30	7.00	5.00	2.00	7,000	N	N	70	1,000
1364CM13	38 43 48	112 39 27	15	10.00	3.00	1.00	5,000	N	N	<20	500
1365CM12	38 45 41	112 32 34	20	3.00	1.50	>2.00	2,000	N	N	3,000	200
1366CM12	38 45 3	112 31 23	20	5.00	2.00	2.00	5,000	N	N	200	500
1367CM12	38 46 8	112 31 47	20	5.00	2.00	>2.00	5,000	N	N	1,000	300
1368CM13	38 44 44	112 30 49	20	7.00	2.00	1.00	3,000	N	N	50	300
1369CM13	38 43 47	112 31 15	20	7.00	2.00	>2.00	3,000	N	N	150	200
1400CM13	38 43 33	112 31 59	50	3.00	2.00	.70	3,000	N	3,000	30	700
1401CM13	38 43 31	112 32 4	30	3.00	1.50	1.00	3,000	N	700	70	500
1402CM13	38 43 29	112 32 2	50	5.00	2.00	>2.00	2,000	N	500	100	500
1403CM13	38 42 35	112 33 14	30	3.00	2.00	.50	2,000	2.0	1,500	100	300
1404CM13	38 42 35	112 33 22	30	5.00	2.00	>2.00	3,000	N	300	50	200
1405CM13	38 40 39	112 34 37	20	3.00	3.00	>2.00	5,000	N	N	70	500
1406CM13	38 40 24	112 31 17	50	1.50	1.50	>2.00	7,000	N	N	200	1,000
1407CM13	38 40 37	112 33 2	20	3.00	2.00	2.00	2,000	N	700	150	300
1408CM42	38 16 12	112 32 55	10	10.00	5.00	1.00	3,000	N	N	<20	200
1409CM42	38 17 51	112 32 40	10	7.00	3.00	1.50	3,000	N	N	20	300
1410CM42	38 21 51	112 33 55	30	1.00	1.50	>2.00	5,000	N	N	30	500
1411CM42	38 21 41	112 33 56	10	1.00	3.00	1.00	3,000	N	N	50	700
1412CM42	38 19 31	112 32 32	15	3.00	5.00	2.00	5,000	N	N	<20	200
1413CM42	38 21 45	112 31 19	50	.50	.50	>2.00	2,000	N	N	30	300
1415CM42	38 21 12	112 32 26	50	1.00	1.00	>2.00	10,000	N	N	50	1,500
1416CM42	38 22 51	112 31 43	30	.70	1.00	>2.00	5,000	N	N	30	500
1417CM42	38 22 50	112 31 47	30	1.50	1.50	>2.00	3,000	N	N	30	500
1418CM42	38 22 49	112 31 49	30	1.50	1.50	>2.00	3,000	N	N	30	500
1419CM42	38 23 34	112 30 40	30	.50	.10	>2.00	>10,000	N	N	20	150
1420CM42	38 22 34	112 33 48	50	1.00	1.50	>2.00	1,500	N	N	20	300

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1371CM13	N	N	N	100	500	15	50	N	N	300	20
1372CM42	10.0	N	N	50	200	50	300	10	150	50	200
1374CM13	N	N	N	100	1,000	20	200	N	<50	500	20
1375CM13	<2.0	N	N	50	500	30	150	N	50	200	30
1376CM13	N	N	N	100	2,000	20	N	N	N	500	20
1377CM13	<2.0	N	N	100	500	70	300	N	70	200	70
1378CM13	<2.0	N	N	100	500	100	500	N	100	200	150
1379CM13	2.0	N	N	100	500	30	300	N	100	100	70
1380CM13	<2.0	N	N	70	1,000	50	700	N	150	150	100
1384CM13	2.0	N	N	150	500	70	500	N	100	150	100
1385CM13	<2.0	N	N	100	500	70	500	N	70	200	70
1386CM13	<2.0	N	N	100	500	100	300	7	70	100	70
1387CM13	<2.0	N	N	100	700	70	50	N	N	300	70
1388CM13	2.0	N	N	100	700	100	300	N	70	150	70
1389CM13	N	N	N	100	1,000	50	100	N	<50	200	70
1390CM12	5.0	N	N	50	700	70	N	7	N	300	20
1391CM13	<2.0	N	N	100	500	70	300	7	<50	500	50
1392CM13	<2.0	N	N	100	500	100	1,000	N	50	300	100
1393CM13	5.0	N	N	50	500	70	500	10	70	100	70
1394CM13	N	N	N	150	1,000	50	100	7	N	1,000	70
1395CM12	2.0	N	N	70	300	30	300	N	150	150	70
1396CM12	2.0	N	N	100	300	70	300	15	70	300	200
1397CM12	3.0	N	N	70	300	100	200	10	100	200	150
1398CM13	3.0	N	N	150	300	150	300	70	<50	500	700
1399CM13	2.0	N	N	100	300	100	300	100	50	500	500
1400CM13	2.0	N	N	50	150	150	200	30	<50	200	300
1401CM13	3.0	N	N	100	200	150	150	300	<50	500	700
1402CM13	5.0	N	N	100	200	100	700	200	50	700	700
1403CM15	5.0	N	N	70	200	150	100	100	<50	300	3,000
1404CM13	5.0	N	N	100	300	100	500	100	70	500	300
1405CM13	2.0	N	N	100	500	50	500	50	70	300	100
1406CM13	5.0	N	N	50	300	150	500	10	70	100	200
1407CM13	5.0	N	N	70	300	100	200	70	50	300	150
1408CM42	<2.0	N	N	100	500	70	N	N	N	70	20
1409CM42	N	N	N	70	700	50	700	N	50	200	20
1410CM42	7.0	N	N	100	700	150	200	N	<50	70	300
1411CM42	10.0	N	N	20	200	50	500	10	70	50	200
1412CM42	<2.0	N	N	70	700	50	500	N	<50	100	150
1414CM42	5.0	N	N	70	200	100	150	50	70	N	100
1415CM42	10.0	N	N	50	150	50	300	30	100	20	1,000
1416CM42	7.0	N	N	70	700	150	200	10	150	150	150
1417CM42	7.0	N	N	100	500	100	150	7	50	100	300
1418CM42	10.0	N	N	100	300	150	200	10	<50	100	200
1419CM42	7.0	N	N	N	30	20	200	10	700	N	200
1420CM42	3.0	N	N	150	500	150	100	N	<50	150	150

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1371CM13	N	N	N	300	N	50.0	N	200	N
1373CM42	N	N	200	700	N	150.0	300	1,500	N
1374CM13	N	N	N	300	N	200.0	N	300	N
1375CM13	N	N	N	300	N	50.0	N	300	N
1376CM13	N	N	N	300	N	150.0	N	2,000	N
1377CM13	N	N	N	300	N	100.0	N	300	N
1378CM13	N	N	<200	700	N	200.0	300	500	N
1379CM13	N	N	200	500	N	200.0	N	1,500	N
1380CM13	N	N	<200	700	N	200.0	N	1,500	N
1384CM13	N	N	<200	500	N	150.0	N	1,000	N
1385CM13	N	N	N	1,000	N	200.0	N	2,000	N
1386CM13	N	N	<200	700	N	200.0	500	500	N
1387CM13	N	N	<150	200	N	70.0	N	150	N
1388CM13	N	N	300	700	N	100.0	N	700	N
1389CM13	N	N	<200	500	N	100.0	300	200	N
1390CM12	N	N	500	500	N	70.0	N	200	N
1391CM13	N	N	200	500	N	70.0	N	150	N
1392CM13	N	N	<200	500	N	100.0	N	200	N
1393CM13	N	N	200	500	N	150.0	N	1,000	N
1394CM13	N	N	<200	500	N	70.0	N	100	N
1395CM12	N	N	300	700	N	200.0	N	1,000	N
1396CM12	N	N	200	500	N	300.0	N	700	N
1397CM12	N	N	200	700	N	150.0	N	700	N
1398CM13	N	N	N	500	N	100.0	300	500	N
1399CM13	N	N	N	500	N	200.0	700	300	N
1400CM13	N	N	N	500	N	70.0	500	300	N
1401CM13	N	N	N	500	N	70.0	1,000	500	N
1402CM13	N	N	<200	700	N	100.0	1,500	500	N
1403CM13	N	N	<200	500	N	100.0	20,000	300	N
1404CM13	N	N	N	500	N	100.0	500	500	N
1405CM13	N	N	N	500	N	150.0	700	1,000	N
1406CM13	N	N	200	700	N	200.0	N	300	N
1407CM13	N	N	<200	500	N	100.0	1,500	500	N
1408CM42	N	N	500	500	N	70.0	N	200	N
1409CM42	N	N	<200	300	N	100.0	N	700	N
1410CM42	N	N	200	1,000	N	70.0	N	300	N
1411CM42	N	N	700	300	N	200.0	N	>2,000	N
1412CM42	N	N	<200	500	N	300.0	N	500	N
1413CM42	N	N	N	1,000	N	150.0	700	1,000	N
1414CM42	N	N	200	700	N	200.0	500	1,500	N
1415CM42	N	N	300	1,000	N	70.0	700	300	N
1416CM42	N	N	500	700	N	100.0	300	300	N
1418CM42	N	N	1,000	500	N	70.0	N	200	N
1419CM42	N	300	N	100	N	200.0	2,000	1,000	N
1420CM42	N	N	<200	700	N	70.0	N	500	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CA%	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
1428CM42	38 25 46	112 33 29	50	1.00	1.00	>2.00	2,000	N	N	50	500
1429CM42	38 25 26	112 32 31	30	2.00	2.00	>2.00	2,000	N	N	50	500
1429CM42	38 25 56	112 31 34	50	.50	.50	>2.00	>10,000	N	N	20	500
1429CM42	38 25 56	112 30 57	30	.70	.50	>2.00	>10,000	N	N	30	300
1429CM42	38 27 9	112 30 43	50	.50	.50	>2.00	>10,000	N	N	70	700
1429CM42	38 25 55	112 33 40	30	.50	1.50	>2.00	3,000	1.0	N	100	1,500
1429CM42	38 26 5	112 34 5	20	1.00	2.00	>2.00	2,000	N	500	150	300
1430CM42	38 25 32	112 35 5	30	.50	1.00	>2.00	7,000	2.0	1,000	20	2,000
1431CM42	38 27 5	112 34 16	50	1.50	1.00	>2.00	3,000	N	N	<20	700
1433CM42	38 28 16	112 34 26	30	5.00	5.00	>2.00	10,000	N	N	<20	700
1433CM42	38 30 25	112 35 45	10	10.00	3.00	>2.00	3,000	N	N	<20	200
1436CM13	38 30 14	112 34 47	50	2.00	1.50	>2.00	3,000	N	N	<20	500
1437CM13	38 30 2	112 33 1	30	2.00	1.50	>2.00	3,000	N	N	20	500
1439CM13	38 33 0	112 33 54	20	3.00	3.00	>2.00	3,000	N	N	30	300
1441CM13	38 31 7	112 34 41	>50	.70	1.00	>2.00	2,000	N	N	20	200
1443CM13	38 34 29	112 34 8	50	1.00	1.00	>2.00	2,000	N	N	50	300
1445CM13	38 34 43	112 34 3	50	2.00	3.00	>2.00	5,000	N	N	30	300
1446CM13	38 34 41	112 33 50	50	2.00	2.00	>2.00	5,000	N	N	<20	500
1447CM13	38 34 23	112 32 47	15	5.00	5.00	>2.00	3,000	N	N	30	300
1448CM13	38 35 43	112 31 32	30	2.00	3.00	>2.00	5,000	N	N	1,000	200
1449CM41	38 18 48	112 24 44	30	1.50	1.50	>2.00	7,000	N	N	20	200
1450CM41	38 19 18	112 21 41	50	1.50	1.50	>2.00	2,000	.7	N	<20	300
1451CM41	38 19 19	112 21 41	30	.50	1.00	>2.00	2,000	N	N	<20	200
1452CM41	38 19 20	112 21 5	50	1.50	2.00	>2.00	5,000	N	N	<20	700
1453CM41	38 16 2	112 29 17	30	3.00	2.00	>2.00	7,000	N	N	<20	3,000
1456CM43	38 12 7	112 37 17	20	7.00	7.00	1.50	7,000	N	N	20	500
1457CM43	38 10 24	112 37 31	30	3.00	3.00	>2.00	7,000	N	N	<20	1,000
1458CM43	38 9 28	112 37 1	10	7.00	5.00	1.00	10,000	N	N	<20	3,000
1459CM43	38 10 39	112 37 21	15	10.00	5.00	2.00	5,000	N	N	<20	300
1460CM13	38 29 38	112 33 17	30	2.00	2.00	1.50	3,000	N	2,000	100	500
1461CM13	38 38 26	112 33 37	30	2.00	2.00	>2.00	7,000	N	N	50	1,500
1462CM13	38 38 40	112 36 0	7	3.00	3.00	1.00	2,000	N	N	<20	200
1464CM13	38 37 58	112 35 23	20	7.00	5.00	>2.00	3,000	N	N	<20	500
1465CM13	38 36 20	112 35 33	20	1.00	3.00	1.00	3,000	N	N	100	700
1466CM13	38 35 49	112 33 15	30	1.00	2.00	>2.00	5,000	N	N	70	200
1467CM13	38 37 21	112 32 13	20	3.00	3.00	2.00	5,000	N	N	30	1,500
1468CM41	38 15 52	112 27 38	20	5.00	3.00	>2.00	5,000	N	N	<20	500
1469CM41	38 17 32	112 26 55	30	7.00	3.00	>2.00	7,000	N	N	20	1,000
1470CM41	38 18 1	112 26 57	30	1.00	1.00	>2.00	7,000	N	N	<20	500
1471CM41	38 18 7	112 26 5	20	10.00	3.00	>2.00	5,000	N	N	100	700
1473CM41	38 17 4	112 29 8	30	3.00	2.00	>2.00	5,000	N	N	30	700
1474CM41	38 17 16	112 25 15	15	5.00	3.00	2.00	3,000	N	N	<20	200
1476CM41	38 16 22	112 25 43	10	10.00	7.00	1.00	3,000	N	N	<20	100
1477CM41	38 18 9	112 23 8	50	3.00	2.00	>2.00	10,000	N	N	30	100
1478CM41	38 17 29	112 23 52	10	7.00	5.00	1.50	3,000	1.5	N	20	100

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued.

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1422CM42	5.0	N	N	70	500	100	200	10	50	30	200
1424CM42	7.0	N	N	70	700	150	200	10	50	150	150
1425CM42	10.0	N	N	30	200	20	500	10	500	20	700
1426CM42	10.0	N	N	15	70	20	300	15	500	N	300
1427CM42	10.0	N	N	N	150	20	1,000	50	1,000	N	700
1428CM42	10.0	N	N	70	300	150	300	10	<50	100	200
1429CM42	15.0	N	N	100	150	200	200	30	100	100	300
1430CM42	7.0	100	N	200	70	300	700	20	<50	150	300
1431CM42	<2.0	N	N	100	700	150	150	N	<50	150	100
1433CM42	2.0	N	N	70	700	150	100	7	50	100	70
1435CM13	<2.0	N	N	100	150	70	300	N	50	100	20
1436CM13	<2.0	N	N	100	500	50	70	N	<50	100	50
1437CM13	2.0	N	N	100	500	100	200	N	50	100	50
1439CM13	2.0	N	N	70	500	70	700	N	70	70	50
1441CM13	<2.0	N	N	150	700	70	300	N	<50	150	50
1444CM13	<2.0	N	N	100	500	150	1,000	N	50	70	150
1445CM13	<2.0	N	N	100	700	150	500	7	50	70	100
1446CM13	2.0	N	N	70	300	50	500	N	50	50	100
1447CM13	<2.0	N	N	50	150	30	150	7	50	50	20
1448CM13	2.0	N	N	100	500	50	500	10	70	150	50
1450CM41	2.0	N	N	70	500	70	1,000	7	150	50	100
1451CM41	<2.0	N	N	150	700	70	100	N	50	150	50
1451CM41	<2.0	N	N	100	700	70	100	N	<50	100	70
1452CM41	<2.0	N	N	150	1,000	50	200	N	50	100	100
1453CM41	<2.0	N	N	100	300	150	700	N	100	100	150
1456CM43	N	N	N	70	300	30	200	10	N	20	20
1457CM43	N	N	N	150	150	100	100	N	50	30	70
1458CM43	N	N	N	70	200	30	N	N	N	70	20
1459CM43	<2.0	N	N	70	200	30	300	N	<50	20	20
1460CM13	7.0	N	N	100	300	150	700	100	70	500	200
1461CM13	2.0	N	N	100	500	100	200	30	<50	200	150
1462CM13	<2.0	N	N	70	200	15	70	N	<50	100	20
1464CM13	2.0	N	N	100	300	50	200	N	50	100	50
1465CM13	5.0	N	N	70	300	70	300	N	<50	100	100
1466CM13	2.0	N	N	70	150	100	700	20	100	20	70
1467CM13	<2.0	N	N	70	700	100	300	N	N	150	100
1468CM41	<2.0	N	N	70	500	70	1,000	N	100	100	50
1469CM41	<2.0	N	N	70	500	50	500	N	200	50	30
1470CM41	2.0	N	N	100	200	100	500	10	150	20	70
1471CM41	N	N	N	100	1,500	100	500	N	100	150	20
1473CM41	<2.0	N	N	100	200	150	700	10	100	50	30
1474CM41	<2.0	N	N	100	300	70	50	7	70	150	20
1476CM41	N	N	N	100	500	30	50	N	N	100	N
1477CM41	<2.0	N	N	50	200	50	>2,000	10	200	N	70
1478CM41	N	N	N	70	500	30	500	N	N	100	20

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1422CM42	N	N	200	1,000	N	70.0	N	200	N
1424CM42	N	N	200	700	N	70.0	N	1,000	N
1425CM42	N	300	N	300	N	300.0	2,000	2,000	N
1426CM42	N	200	N	150	N	200.0	3,000	1,500	N
1427CM42	N	200	N	200	N	1,000.0	2,000	2,000	N
1428CM42	N	N	500	700	N	100.0	300	500	N
1429CM42	N	N	300	300	N	150.0	N	1,500	N
1430CM42	N	N	<200	500	N	150.0	N	500	N
1431CM42	N	N	<200	1,000	N	70.0	700	500	N
1433CM42	N	N	200	700	N	70.0	500	200	N
1435CM13	N	N	N	500	N	100.0	N	150	N
1436CM13	N	N	N	500	N	70.0	700	500	N
1437CM13	N	N	<150	200	N	70.0	500	500	N
1439CM13	N	N	N	700	N	150.0	N	500	N
1441CM13	N	N	N	500	N	70.0	500	500	N
1444CM13	N	N	<200	1,000	N	70.0	300	1,500	N
1445CM13	N	N	<200	700	N	1.5	300	1,000	150
1446CM13	N	N	N	700	N	100.0	N	700	N
1447CM13	N	N	N	500	N	100.0	N	300	N
1448CM13	N	N	N	500	N	150.0	300	700	N
1449CM41	N	N	N	500	N	200.0	700	1,000	N
1450CM41	N	N	N	700	N	50.0	700	700	N
1451CM41	N	N	N	700	N	50.0	300	1,000	N
1452CM41	N	N	<200	1,000	N	100.0	500	500	N
1453CM41	N	N	200	700	N	150.0	500	500	N
1456CM43	N	N	200	500	N	100.0	N	150	N
1457CM43	N	N	<200	500	N	150.0	500	700	N
1458CM43	N	N	200	500	N	50.0	N	70	N
1459CM43	N	N	<200	500	N	150.0	N	300	N
1460CM13	N	N	N	500	N	100.0	2,000	200	N
1461CM13	N	N	N	700	N	100.0	1,000	300	N
1462CM13	N	N	200	300	N	100.0	N	300	N
1463CM13	N	N	<200	700	N	150.0	500	500	N
1465CM13	N	N	1,000	500	N	100.0	N	300	N
1466CM13	N	N	N	500	N	100.0	700	1,000	N
1467CM13	N	N	<200	500	N	70.0	300	500	N
1468CM41	N	N	200	500	N	150.0	300	1,500	150
1469CM41	N	N	N	500	N	300.0	500	>2,000	N
1470CM41	N	N	N	500	N	200.0	700	2,000	N
1471CM41	N	N	<200	500	N	150.0	500	>2,000	150
1473CM41	N	N	<200	500	N	200.0	700	1,500	N
1474CM41	N	N	N	500	N	150.0	300	1,500	N
1476CM41	N	N	200	500	N	70.0	N	150	N
1477CM41	N	N	<200	300	N	300.0	1,000	>2,000	150
1478CM41	N	N	<200	300	N	100.0	N	>2,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEZ	S-NG%	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-SA
1479CM41	38 17 26	112 23 52	15	7.00	5.00	1.50	3,000	N	N	30	150
1480CM41	38 17 33	112 24 0	10	7.00	5.00	1.00	5,000	N	N	<20	70
1481CM41	38 19 42	112 26 1	30	1.00	1.50	>2.00	10,000	N	N	<20	150
1483CM43	38 6 56	112 38 58	7	7.00	5.00	1.50	3,000	N	N	<20	200
1485CM43	38 5 0	112 43 3	10	10.00	7.00	.70	5,000	N	N	<20	1,500
1486CM43	38 3 54	112 42 56	30	10.00	3.00	2.00	7,000	N	N	30	700
1487CM43	38 6 20	112 41 32	10	7.00	5.00	1.50	3,000	N	N	<20	100
1488CM43	38 6 10	112 43 17	15	5.00	5.00	1.50	7,000	N	N	<20	700
1489CM43	38 6 18	112 43 7	20	7.00	3.00	2.00	7,000	N	N	<20	1,000
1490CM43	38 6 20	112 43 8	10	7.00	5.00	1.50	7,000	N	N	N	700
1491CM43	38 9 11	112 40 58	30	1.50	2.00	>2.00	2,000	N	N	<20	300
1492CM43	38 9 15	112 42 36	20	5.00	3.00	>2.00	3,000	N	N	20	500
1493CM43	38 8 48	112 43 24	15	10.00	5.00	.70	5,000	N	N	20	150
1494CM43	38 8 9	112 38 46	15	7.00	5.00	1.00	5,000	N	N	<20	100
1495CM43	38 3 23	112 39 22	10	5.00	5.00	1.50	5,000	N	N	<20	200
1496CM43	38 0 42	112 40 38	15	10.00	5.00	1.00	5,000	N	N	20	200
1497CM43	38 9 59	112 43 53	10	5.00	5.00	1.50	3,000	N	N	30	150
1498CM43	38 10 33	112 42 33	20	5.00	2.00	2.00	5,000	N	N	20	1,000
1499CM43	38 10 11	112 39 10	30	1.50	3.00	>2.00	7,000	N	N	70	500
1500CM43	38 5 25	112 39 9	10	7.00	5.00	1.50	5,000	N	N	20	150
1501CM43	38 5 28	112 39 51	20	7.00	3.00	1.50	3,000	N	N	<20	300
1505CM42	38 18 59	112 32 58	30	2.00	2.00	>2.00	10,000	N	N	30	500
1506CM42	38 19 25	112 32 35	20	5.00	5.00	>2.00	7,000	N	N	<20	100
1507CM42	38 20 14	112 32 42	20	5.00	5.00	2.00	7,000	N	N	<20	500
1509CM42	38 21 3	112 33 48	30	.70	1.50	>2.00	>10,000	N	N	50	1,500
1510CM42	38 21 18	112 34 1	30	3.00	3.00	>2.00	7,000	N	N	30	500
1511CM42	38 22 19	112 34 6	50	2.00	1.50	>2.00	2,000	N	N	50	300
1512CM42	38 23 9	112 34 0	3	.50	1.00	>2.00	1,500	N	N	20	500
1513CM42	38 23 46	112 34 7	50	.30	.70	>2.00	2,000	N	N	30	500
1514CM42	38 24 11	112 33 26	30	.50	1.00	>2.00	7,000	N	N	50	1,000
1515CM42	38 24 18	112 34 10	50	1.00	1.50	>2.00	1,500	1.0	N	20	500
1516CM42	38 20 51	112 32 45	15	1.00	1.00	2.00	5,000	N	N	<20	700
1517CM42	38 21 2	112 32 35	30	.50	1.00	>2.00	10,000	N	N	30	1,500
1518CM42	38 21 42	112 32 3	30	1.50	3.00	>2.00	7,000	N	N	70	700
1519CM42	38 22 30	112 31 20	30	1.00	1.50	>2.00	10,000	N	N	20	500
1520CM42	38 21 36	112 31 43	30	.50	.70	>2.00	2,000	N	N	30	500
1521CM42	38 22 13	112 30 55	50	.50	.50	>2.00	2,000	N	N	30	500
1522CM42	38 22 28	112 30 36	20	.30	.70	1.50	1,500	N	N	30	1,500
1523CM41	38 22 54	112 29 37	50	1.00	1.00	>2.00	2,000	N	N	20	500
1524CM41	38 22 52	112 29 38	30	.30	.70	1.50	1,000	N	N	20	1,500
1525CM42	38 22 45	112 30 19	30	1.00	1.00	>2.00	3,000	N	N	30	1,500
1526CM42	38 23 0	112 30 58	30	1.00	1.00	>2.00	>10,000	N	N	<20	3,000
1527CM42	38 23 7	112 31 6	30	.50	1.00	>2.00	>10,000	N	N	30	1,000
1528CM42	38 23 44	112 30 15	30	.70	.50	>2.00	>10,000	1.0	N	20	1,500
1529CM41	38 23 43	112 29 39	15	1.00	1.50	.50	>10,000	2.0	N	<20	1,500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CP	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1479CM41	N	N	N	100	500	30	300	N	N	100	20
1480CM41	N	N	N	70	300	10	100	N	N	100	20
1482CM41	3.0	N	N	150	500	30	1,500	10	100	100	100
1483CM43	N	N	N	70	300	20	200	N	N	70	20
1485CM43	N	N	N	70	100	10	N	N	N	20	20
1486CM43	N	N	N	150	300	100	150	N	N	150	50
1487CM43	N	N	N	100	500	30	500	N	N	100	<20
1488CM43	N	N	N	70	200	70	N	N	N	30	30
1489CM43	N	N	N	70	150	70	N	N	N	50	20
1490CM43	N	N	N	100	150	50	N	N	N	50	20
1491CM43	N	N	N	100	150	100	100	N	70	20	50
1492CM43	<2.0	N	N	70	100	30	150	N	<50	20	50
1493CM43	N	N	N	100	700	20	150	N	N	500	20
1494CM43	N	N	N	70	150	30	<50	N	<50	20	<20
1495CM43	N	N	N	50	100	50	N	N	N	20	20
1496CM43	N	N	N	100	150	50	N	N	N	30	20
1497CM43	<2.0	N	N	100	300	30	N	N	N	30	30
1498CM43	<2.0	N	N	70	70	50	100	N	50	20	20
1499CM43	N	N	N	100	150	100	300	N	150	30	50
1500CM43	N	N	N	70	200	50	50	N	N	50	20
1501CM43	N	N	N	70	200	50	70	N	N	70	30
1505CM42	2.0	N	N	100	500	50	1,000	10	70	100	700
1506CM42	<2.0	N	N	100	200	100	N	N	70	70	30
1508CM42	3.0	N	N	50	500	70	150	N	<50	100	30
1509CM42	20.0	N	N	50	200	50	300	100	300	50	1,000
1510CM42	7.0	N	N	70	700	100	150	N	70	100	150
1511CM42	5.0	N	N	50	700	100	150	N	<50	100	200
1512CM42	10.0	N	N	70	200	150	150	10	<50	50	300
1513CM42	15.0	N	N	70	300	100	300	30	100	20	500
1514CM42	20.0	N	N	30	300	150	500	30	100	50	500
1515CM42	5.0	N	N	70	500	100	150	15	70	50	150
1516CM42	5.0	N	N	50	200	100	150	10	<50	20	150
1517CM42	15.0	N	N	50	200	150	300	50	100	20	500
1518CM42	7.0	N	N	70	500	70	150	10	<50	100	1,000
1519CM42	20.0	N	N	70	300	100	300	15	300	30	1,000
1520CM42	5.0	N	N	70	300	70	150	50	70	20	150
1521CM42	5.0	N	N	100	1,500	100	150	10	50	70	200
1522CM42	10.0	N	N	100	150	150	200	70	50	50	200
1523CM41	7.0	N	N	100	700	100	200	10	50	100	200
1524CM41	5.0	N	N	20	200	150	200	30	<50	20	500
1525CM42	10.0	N	N	70	300	100	200	30	50	30	700
1526CM42	150.0	N	N	N	70	30	500	50	500	N	2,000
1527CM42	50.0	N	N	10	70	30	200	15	500	N	1,500
1528CM42	50.0	N	N	10	70	20	300	200	700	N	1,000
1529CM41	50.0	N	N	N	30	20	300	300	200	N	1,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1479CM41	N	N	200	500	N	70.0	N	200	N
1480CM41	N	N	N	500	N	70.0	N	100	N
1482CM41	N	N	N	500	N	300.0	1,000	1,500	N
1483CM43	N	N	<200	500	N	70.0	N	300	N
1485CM43	N	N	<200	500	N	70.0	N	200	N
1486CM43	N	N	N	500	N	70.0	N	300	N
1487CM43	N	N	N	500	N	100.0	N	150	N
1488CM43	N	N	200	500	N	50.0	N	70	N
1489CM43	N	N	200	700	N	50.0	N	50	N
1490CM43	N	N	<200	500	N	50.0	N	50	N
1491CM43	N	N	N	700	N	70.0	500	1,000	N
1492CM43	N	N	<200	500	N	100.0	N	700	N
1493CM43	N	N	N	300	N	70.0	N	200	N
1494CM43	N	N	<200	300	N	70.0	N	100	N
1495CM43	N	N	<150	500	N	50.0	N	50	N
1496CM43	N	N	<200	500	N	70.0	N	200	N
1497CM43	N	N	N	200	N	70.0	N	200	N
1498CM43	N	N	200	300	N	100.0	N	700	N
1499CM43	N	N	200	500	N	100.0	700	1,000	N
1500CM43	N	N	<200	500	N	50.0	N	500	N
1501CM43	N	N	N	500	N	70.0	N	100	N
1505CM42	N	N	N	300	N	150.0	700	1,500	N
1506CM42	N	N	N	700	N	70.0	N	200	N
1508CM42	N	N	<200	500	N	70.0	N	200	N
1509CM42	N	150	200	700	N	300.0	700	1,000	N
1510CM42	N	N	<200	1,000	N	70.0	N	300	N
1511CM42	N	N	<200	1,000	N	50.0	N	500	N
1512CM42	N	N	N	500	N	70.0	N	300	N
1513CM42	N	N	<200	700	N	100.0	N	700	N
1514CM42	N	N	200	500	N	100.0	300	1,500	N
1515CM42	N	N	200	1,000	N	70.0	N	200	N
1516CM42	N	N	<200	700	N	70.0	N	500	N
1517CM42	N	N	300	700	N	150.0	500	1,500	N
1518CM42	N	N	300	700	N	70.0	N	500	N
1519CM42	N	N	200	1,000	N	200.0	500	500	N
1520CM42	N	N	<200	700	70	100.0	300	1,000	N
1521CM42	N	N	N	1,500	N	50.0	N	300	N
1522CM42	N	N	700	500	N	50.0	300	200	150
1523CM41	N	N	<200	1,000	N	70.0	300	300	N
1524CM41	N	N	300	500	N	70.0	N	500	150
1525CM42	N	N	300	500	N	70.0	N	300	N
1526CM42	N	200	1,000	200	N	300.0	1,500	1,500	N
1527CM42	N	300	300	200	N	100.0	2,000	700	N
1528CM42	N	100	500	150	N	300.0	1,500	2,000	N
1529CM41	N	N	1,000	150	N	300.0	700	1,500	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MC%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-B	S-BA
15310M42	38 23 27	112 30 33	20	1.00	1.50	2.00	10,000	N	N	30	500
15320M41	38 24 1	112 29 14	30	2.00	1.50	2.00	>10,000	2.0	N	30	3,000
15330M41	38 23 59	112 29 13	20	.50	1.50	1.00	>10,000	5.0	N	<20	3,000
15340M41	38 23 56	112 29 3	30	.20	.50	.50	>10,000	N	N	20	700
15350M41	38 24 56	112 29 41	30	.70	1.00	2.00	>2	N	N	30	700
15360M41	38 25 1	112 29 28	30	2.00	3.00	1.50	>10,000	N	N	20	700
15370M41	38 25 13	112 29 10	15	.50	1.00	1.00	>10,000	1.0	N	<20	2,000
15380M41	38 25 20	112 28 50	20	2.00	1.50	>2.00	>10,000	1.5	N	20	200
15400M41	38 25 40	112 29 3	30	.50	.70	>2.00	>10,000	N	N	30	500
15410M41	38 25 34	112 29 4	30	.30	.10	>2.00	>10,000	N	N	20	2,000
15430M41	38 25 9	112 29 57	20	2.00	2.00	>2.00	>10,000	N	N	20	200
15440M41	38 25 17	112 28 12	20	2.00	1.50	>2.00	>10,000	N	N	20	1,000
15450M41	38 25 21	112 28 12	20	1.00	1.50	1.00	>10,000	2.0	N	20	2,000
15470M41	38 25 49	112 28 37	30	.70	1.50	>2.00	>10,000	N	N	20	200
15480M41	38 25 52	112 28 21	20	1.00	1.00	>2.00	>10,000	1.5	N	<20	2,000
15500M41	38 25 48	112 28 17	20	.30	.50	>2.00	>10,000	1.5	N	<20	2,000
15510M41	38 26 18	112 28 42	20	3.00	3.00	2.00	7,000	N	N	20	150
15520M41	38 26 36	112 29 15	7	1.00	1.00	1.50	7,000	N	N	20	200
15530M42	38 24 57	112 30 3	30	1.00	1.00	2.00	>10,000	N	N	20	1,000
15540M42	38 25 6	112 30 21	50	.70	.70	>2.00	>10,000	N	N	20	150
15550M42	38 25 24	112 30 23	30	1.00	1.50	>2.00	>10,000	N	N	20	150
15560M42	38 25 11	112 30 31	50	.50	.50	>2.00	>10,000	N	N	20	500
15570M42	38 25 42	112 30 55	50	.50	.50	>2.00	>10,000	N	N	<20	70
15580M42	38 27 10	112 30 35	50	1.00	.70	>2.00	>10,000	N	N	10	1,000
15590M42	38 26 55	112 30 42	30	2.00	1.50	>2.00	>10,000	N	N	50	500
15610M42	38 26 34	112 31 22	30	1.50	1.00	>2.00	5,000	N	N	20	1,000
15620M42	38 25 38	112 32 34	30	.50	.70	>2.00	2,000	N	N	30	500
15630M42	38 26 0	112 33 26	30	1.00	3.00	2.00	3,000	1.5	700	100	300
15640M42	38 25 11	112 34 52	30	.70	1.00	1.00	7,000	N	N	70	700
15650M42	38 24 42	112 34 51	30	.70	1.00	>2.00	2,000	N	N	30	1,000
15660M42	38 27 4	112 34 42	50	1.50	1.50	>2.00	>10,000	N	N	20	3,000
15670M42	38 27 7	112 34 18	30	2.00	2.00	>2.00	7,000	N	N	<20	1,500
15680M42	38 26 54	112 34 1	30	.50	2.00	1.50	2,000	1.0	1,000	50	500
15690M42	38 26 59	112 33 35	30	.50	1.50	1.50	1,500	.7	1,000	50	700
15700M42	38 27 7	112 33 9	30	.50	.70	>2.00	1,500	N	N	<20	500
15710M42	38 27 27	112 32 22	50	1.00	1.00	>2.00	5,000	N	N	20	500
15720M42	38 27 24	112 32 21	30	1.00	1.00	>2.00	2,000	N	N	<20	1,000
15730M42	38 27 23	112 32 36	50	.50	1.00	>2.00	5,000	N	N	<20	500
15750M42	38 27 49	112 34 43	30	3.00	2.00	>2.00	>10,000	N	N	50	5,000
15800M41	38 23 26	112 23 2	50	1.00	1.50	>2.00	5,000	N	N	<20	700
15820M41	38 25 28	112 23 56	30	.70	.70	>2.00	>10,000	5.0	N	50	1,000
15830M41	38 25 6	112 23 14	50	.70	.70	>2.00	1,500	1.5	N	<20	500
15840M41	38 24 54	112 23 22	30	.20	.70	>2.00	>10,000	2.0	N	<20	300
15850M41	38 24 52	112 23 20	50	.50	.70	>2.00	2,000	1.5	N	<20	300
15860M41	38 25 41	112 23 20	20	.70	.50	1.00	>10,000	5.0	N	20	3,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1537CM42	30.0	N	N	15	150	30	200	70	200	10	700
1538CM41	30.0	N	N	N	150	30	300	200	500	20	2,000
1539CM41	100.0	N	N	N	20	50	1,000	300	300	N	2,000
1539CM41	100.0	N	N	<10	20	30	300	200	150	N	700
1539CM41	20.0	N	N	20	100	30	500	70	500	N	1,500
1536CM41	50.0	N	N	20	700	50	500	100	500	70	700
1537CM41	70.0	N	N	N	70	50	500	300	500	N	1,000
1539CM41	20.0	N	N	20	150	150	300	30	500	20	500
1540CM41	5.0	N	N	10	100	30	200	20	>5,000	N	300
1541CM41	7.0	70	N	N	30	15	300	30	1,500	N	1,000
1543CM41	5.0	N	N	50	300	30	200	7	300	30	100
1544CM41	15.0	N	N	70	300	100	300	70	500	50	300
1545CM41	50.0	N	N	N	50	30	700	150	300	20	1,000
1547CM41	7.0	N	N	10	70	20	150	10	1,000	N	150
1548CM41	15.0	N	N	N	70	100	1,500	20	2,000	N	300
1550CM41	15.0	N	N	N	50	10	300	70	1,000	N	500
1551CM41	10.0	N	N	50	70	30	50	10	150	N	200
1552CM41	3.0	N	N	10	50	10	50	N	500	20	50
1553CM42	20.0	N	N	20	100	50	300	50	500	20	1,500
1554CM42	15.0	N	N	10	70	20	200	7	500	N	1,000
1555CM42	7.0	N	N	10	70	30	300	10	700	N	100
1556CM42	7.0	N	N	N	50	20	200	10	700	N	700
1557CM42	7.0	N	N	10	100	20	300	20	700	N	100
1558CM42	15.0	N	N	20	200	50	300	20	700	50	1,000
1559CM42	15.0	N	N	70	150	20	300	7	2,000	30	300
1561CM42	7.0	N	N	70	700	100	200	10	100	100	200
1562CM42	7.0	N	N	50	200	100	150	15	50	70	150
1563CM42	10.0	N	N	100	70	150	200	50	70	50	300
1564CM42	10.0	N	N	150	150	150	700	15	50	150	150
1565CM42	10.0	N	N	50	200	150	300	10	50	50	150
1566CM42	<2.0	N	N	200	700	500	300	N	70	70	150
1567CM42	<2.0	N	N	150	700	150	150	N	<50	150	70
1568CM42	7.0	N	N	200	100	150	300	20	<50	100	200
1569CM42	7.0	N	N	200	70	200	300	10	<50	150	300
1570CM42	2.0	N	N	100	200	150	100	N	50	100	150
1571CM42	<2.0	N	N	150	300	150	100	N	50	50	100
1572CM42	5.0	N	N	100	500	150	100	N	<50	100	150
1573CM42	<2.0	N	N	100	300	150	150	N	70	50	150
1575CM42	<2.0	N	N	100	500	150	300	7	70	150	300
1580CM41	N	N	N	150	1,000	70	100	N	50	70	100
1582CM41	30.0	N	N	N	200	50	200	200	200	N	5,000
1583CM41	10.0	N	N	100	700	70	300	7	<50	70	300
1584CM41	15.0	N	N	70	300	70	200	100	150	30	2,000
1585CM41	7.0	N	N	100	700	150	300	N	<50	70	500
1586CM41	50.0	N	N	N	100	100	300	100	150	30	10,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SH	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1531CM42	N	N	<200	200	N	200.0	1,000	1,000	N
1532CM41	N	N	700	200	N	300.0	700	2,000	N
1533CM41	N	N	500	150	N	500.0	1,500	700	200
1534CM41	N	N	N	100	N	100.0	1,500	1,000	700
1535CM41	N	100	700	200	N	200.0	1,000	1,500	N
1536CM41	N	N	300	200	N	300.0	1,000	500	N
1537CM41	N	N	1,000	150	N	500.0	1,000	1,000	N
1538CM41	N	30	700	300	N	300.0	700	1,500	N
1540CM41	N	200	N	150	N	300.0	1,500	2,000	N
1541CM41	N	200	N	100	N	700.0	1,500	1,500	N
1543CM41	N	200	N	300	N	200.0	3,000	1,000	N
1544CM41	N	N	500	500	N	300.0	500	1,000	N
1545CM41	N	N	1,000	150	N	300.0	1,500	1,000	N
1547CM41	N	200	N	150	N	300.0	2,000	1,500	N
1548CM41	N	50	200	150	N	500.0	1,000	>2,000	N
1550CM41	N	300	200	150	N	700.0	1,000	>2,000	N
1551CM41	N	N	N	500	N	200.0	500	500	N
1552CM41	N	20	N	100	N	70.0	N	500	N
1553CM42	N	150	300	150	N	300.0	1,500	1,000	N
1554CM42	N	300	N	150	N	200.0	5,000	700	N
1555CM42	N	300	N	200	N	200.0	2,000	1,500	N
1556CM42	N	200	N	100	N	300.0	2,000	>2,000	N
1557CM42	N	300	N	200	N	150.0	3,000	1,500	N
1558CM42	N	150	200	300	N	300.0	1,000	1,000	N
1559CM42	N	200	N	300	N	300.0	1,000	1,000	N
1561CM42	N	N	<200	1,000	N	150.0	N	700	N
1562CM42	N	N	<200	700	N	70.0	N	700	N
1563CM42	N	N	200	300	N	100.0	N	1,000	N
1564CM42	N	N	300	500	N	100.0	700	300	N
1565CM42	N	N	500	700	N	100.0	300	700	N
1566CM42	N	N	<200	2,000	N	200.0	300	>2,000	N
1567CM42	N	N	N	700	N	100.0	500	700	N
1568CM42	N	N	200	300	N	150.0	N	500	N
1569CM42	N	N	<200	300	N	100.0	300	700	N
1570CM42	N	N	<200	500	N	70.0	N	500	N
1571CM42	N	N	N	700	N	70.0	500	300	N
1572CM42	N	N	200	500	N	70.0	N	300	N
1573CM42	N	N	N	1,000	N	100.0	500	1,500	N
1575CM42	N	N	200	700	N	200.0	700	500	N
1580CM41	N	N	N	1,000	N	70.0	500	300	N
1582CM41	N	N	700	500	N	200.0	1,000	500	N
1583CM41	N	N	200	700	N	70.0	N	500	N
1584CM41	N	N	300	700	N	150.0	1,000	500	N
1585CM41	N	N	200	700	N	70.0	N	700	N
1586CM41	N	N	700	200	N	70.0	1,500	500	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-B	S-BA
15875CM41	38 25 38	112 23 38	30	.50	.70	>2.00	1,000	N	N	20	500
15880CM41	38 25 53	112 22 56	30	1.00	1.00	>2.00	>10,000	2.0	N	<20	1,000
15900CM41	38 26 2	112 22 25	30	1.00	1.00	>2.00	2,000	.7	N	20	700
15911CM41	38 25 46	112 22 42	50	1.50	1.50	>2.00	3,000	N	N	20	300
15922CM42	38 16 52	112 34 4	15	5.00	5.00	2.00	7,000	N	N	<20	1,000
15930CM42	38 16 22	112 33 27	15	5.00	5.00	2.00	3,000	.7	N	<20	200
15940CM41	38 27 31	112 15 45	30	.50	.70	>2.00	>10,000	N	N	20	150
15950CM41	38 27 30	112 17 17	30	.50	.70	>2.00	>10,000	N	N	20	1,000
15960CM41	38 27 31	112 21 8	50	1.00	1.50	>2.00	2,000	5.0	N	<20	500
15980CM41	38 29 15	112 19 54	30	.70	.70	>2.00	1,500	N	N	30	300
16010CM43	38 10 14	112 45 40	30	7.00	7.00	>2.00	5,000	N	N	<20	100
16040CM43	38 10 8	112 46 26	20	7.00	7.00	1.50	2,000	N	N	<20	300
16050CM43	38 12 32	112 51 57	30	1.50	2.00	2.00	3,000	N	N	<20	200
16060CM43	38 12 38	112 52 48	50	2.00	2.00	>2.00	3,000	N	N	<20	500
16110CM11	38 58 42	112 3 31	20	3.00	2.00	.70	2,000	N	N	1,000	500
16120CM11	38 58 41	112 3 37	30	2.00	2.00	.50	2,000	1.0	N	1,000	500
16130CM12	38 58 56	112 3 39	20	15.00	2.00	1.00	3,000	N	N	1,500	200
16140CM11	38 58 57	112 3 32	20	15.00	2.00	.50	3,000	5.0	N	2,000	500
16150CM11	38 58 14	112 6 11	20	10.00	1.00	1.50	1,500	1.0	N	1,500	300
16180CM11	38 54 7	112 8 4	20	7.00	3.00	.30	1,500	.7	N	2,000	200
16190CM11	38 56 31	112 2 38	15	2.00	2.00	2.00	>10,000	N	700	>5,000	10,000
16200CM11	38 52 50	112 8 34	20	15.00	1.00	1.50	2,000	N	N	1,500	70
16210CM11	38 52 37	112 8 40	20	15.00	1.00	>2.00	3,000	N	N	2,000	70
16220CM11	38 53 3	112 8 36	20	10.00	1.00	>2.00	3,000	N	N	2,000	70
16230CM11	38 56 10	112 13 53	20	7.00	.70	1.00	2,000	N	N	1,000	500
16270CM11	38 55 42	112 12 27	20	10.00	.70	.70	5,000	N	N	300	500
16290CM11	38 55 27	112 13 4	30	5.00	.50	.50	2,000	N	N	300	500
16320CM14	38 59 6	112 13 50	30	7.00	.30	1.00	2,000	N	N	100	300
16330CM11	38 47 19	112 5 52	30	2.00	2.00	>2.00	3,000	N	N	1,500	7,000
16340CM11	38 47 18	112 5 41	30	7.00	2.00	>2.00	5,000	N	N	1,000	700
16350CM11	38 47 21	112 5 40	20	5.00	2.00	>2.00	2,000	N	N	1,000	300
16360CM11	38 48 4	112 4 0	20	5.00	1.50	>2.00	7,000	N	N	200	300
16370CM11	38 48 15	112 3 55	20	10.00	3.00	>2.00	5,000	N	N	100	300
16380CM11	38 51 29	112 1 16	50	1.00	1.00	>2.00	7,000	N	3,000	2,000	500
16390CM11	38 52 1	112 1 14	30	3.00	2.00	>2.00	3,000	N	1,000	>5,000	500
16400CM11	38 45 34	112 6 37	15	7.00	5.00	2.00	5,000	N	N	<20	300
16420CM11	38 46 53	112 9 23	30	7.00	1.50	>2.00	3,000	N	N	2,000	500
16430CM11	38 47 23	112 8 29	30	3.00	.70	>2.00	10,000	N	N	150	150
16440CM11	38 45 5	112 13 56	20	7.00	2.00	>2.00	3,000	N	N	3,000	200
16450CM11	38 45 7	112 13 58	15	7.00	1.50	>2.00	3,000	N	N	1,500	100
16460CM11	38 45 7	112 13 53	20	10.00	2.00	>2.00	5,000	N	N	5,000	200
16470CM11	38 47 9	112 11 58	20	15.00	1.00	2.00	3,000	N	N	1,000	100
16480CM11	38 48 52	112 13 20	20	10.00	1.00	>2.00	3,000	N	N	300	200
16530CM14	38 44 33	112 6 52	10	7.00	5.00	1.00	3,000	N	N	<20	200
16540CM14	38 41 16	112 10 49	30	7.00	3.00	>2.00	7,000	N	N	<20	150

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1587CM41	15.0	N	N	50	200	30	300	100	100	30	1,000
1588CM41	20.0	N	N	30	50	50	300	100	70	N	2,000
1590CM41	7.0	N	N	70	1,000	100	200	N	<50	50	200
1591CM41	3.0	N	N	50	200	70	200	N	<50	50	300
1592CM42	N	N	N	70	700	70	1,000	N	<50	200	50
1593CM42	N	N	N	100	300	150	100	N	<50	150	20
1594CM41	2.0	N	N	10	70	30	500	10	5,000	N	200
1595CM41	10.0	N	N	30	150	30	300	N	300	20	300
1596CM41	7.0	N	N	70	500	150	500	N	<50	100	300
1598CM41	5.0	N	N	70	500	100	100	7	70	150	100
1601CM43	N	N	N	70	500	70	150	N	<50	100	<20
1602CM43	N	N	N	70	500	50	300	10	N	100	20
1605CM43	N	N	N	70	500	50	150	10	<50	100	100
1606CM43	<2.0	N	N	70	700	70	100	7	50	100	100
1611CM11	7.0	N	N	70	300	100	50	10	N	200	100
1612CM11	10.0	N	N	50	200	200	N	15	<50	150	100
1613CM12	2.0	N	N	150	700	70	150	10	<50	1,000	100
1614CM11	2.0	N	N	200	700	200	N	30	N	1,000	150
1615CM11	3.0	N	N	150	500	70	50	N	50	500	100
1618CM11	3.0	N	N	100	500	70	50	20	N	500	100
1619CM11	7.0	N	N	1,000	700	150	N	15	150	300	300
1620CM11	<2.0	N	N	100	700	20	150	N	50	1,000	30
1621CM11	<2.0	N	N	200	700	20	100	N	50	1,000	20
1622CM11	N	N	N	100	1,000	30	50	N	70	500	50
1624CM11	3.0	N	N	100	500	50	100	N	<50	500	100
1627CM11	7.0	N	N	100	500	100	N	N	<50	700	150
1629CM11	7.0	N	N	100	200	100	70	7	<50	700	150
1632CM14	5.0	N	N	100	300	70	300	N	<50	700	100
1633CM11	2.0	N	N	50	300	50	500	7	100	100	150
1634CM11	2.0	N	N	100	500	100	300	7	70	500	70
1635CM11	2.0	N	N	70	500	100	300	10	150	300	150
1636CM11	<2.0	N	N	50	500	30	500	N	100	300	100
1637CM11	N	N	N	100	200	70	300	N	70	500	100
1638CM11	2.0	N	N	50	2,000	50	500	10	70	100	150
1639CM11	2.0	N	N	50	1,000	100	200	7	70	200	150
1640CM11	N	N	N	70	300	100	2,000	N	<50	100	30
1642CM11	<2.0	N	N	70	1,000	50	700	N	100	500	150
1643CM11	2.0	N	N	50	700	10	N	N	100	50	100
1644CM11	2.0	N	N	70	700	30	300	N	70	300	70
1645CM11	<2.0	N	N	100	300	50	200	N	70	300	50
1646CM11	2.0	N	N	150	700	20	300	N	70	500	200
1647CM11	N	N	N	200	500	15	300	N	<50	1,000	20
1648CM11	<2.0	N	N	150	700	30	150	N	50	50	50
1653CM14	<2.0	N	N	70	200	30	500	N	<50	150	20
1654CM14	<2.0	N	N	70	150	100	50	N	<50	100	30

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1587CM41	N	N	200	1,000	N	100.0	500	1,000	N
1588CM41	N	N	500	500	N	100.0	1,000	1,000	N
1590CM41	N	N	300	1,000	N	70.0	N	300	N
1591CM41	N	N	300	1,000	N	50.0	N	200	N
1592CM42	N	20	<200	500	N	200.0	300	1,000	N
1593CM42	N	N	200	300	N	100.0	500	200	N
1594CM41	N	200	N	150	N	300.0	2,000	300	N
1595CM41	N	N	N	300	N	200.0	1,500	>2,000	N
1596CM41	N	N	200	700	N	70.0	300	700	150
1598CM41	N	N	300	500	N	70.0	500	200	N
1601CM43	N	N	N	1,500	N	70.0	300	500	N
1604CM43	N	N	<200	700	100	70.0	N	150	N
1605CM43	N	N	N	1,500	N	70.0	N	700	N
1606CM43	N	N	<200	2,000	N	100.0	N	700	N
1611CM11	N	N	N	500	N	70.0	N	500	N
1612CM11	N	N	N	500	N	150.0	N	500	N
1613CM12	N	N	<200	200	N	100.0	N	200	N
1614CM11	N	N	N	500	N	50.0	N	300	150
1615CM11	N	N	N	500	N	150.0	N	1,000	N
1618CM11	N	N	100	500	N	70.0	300	200	N
1619CM11	N	N	<200	500	N	300.0	500	700	N
1620CM11	N	N	N	200	N	200.0	700	700	N
1621CM11	N	N	N	300	N	150.0	N	2,000	N
1622CM11	N	N	N	500	N	100.0	N	1,500	N
1623CM11	N	N	<200	300	N	150.0	N	2,000	N
1627CM11	N	N	N	200	N	50.0	700	100	N
1629CM11	N	N	200	100	N	100.0	N	700	150
1631CM14	N	N	<200	300	N	70.0	N	300	N
1633CM11	N	N	<200	700	N	150.0	N	2,000	N
1634CM11	N	N	N	500	N	150.0	N	300	N
1635CM11	N	N	N	700	N	70.0	N	500	N
1636CM11	N	N	N	500	N	300.0	N	500	150
1637CM11	N	N	N	500	N	200.0	500	700	N
1638CM11	N	N	N	700	N	300.0	N	1,500	N
1639CM11	N	N	200	700	N	300.0	N	700	N
1640CM11	N	N	<200	500	N	200.0	N	500	150
1642CM11	N	N	N	500	N	300.0	N	1,500	N
1643CM11	N	N	N	500	N	500.0	N	1,500	N
1644CM11	N	N	<200	500	N	200.0	N	1,500	N
1645CM11	N	N	N	500	N	200.0	N	1,500	N
1646CM11	N	N	N	500	N	300.0	N	2,000	N
1647CM11	N	N	N	200	N	150.0	N	700	N
1648CM11	N	N	N	500	N	70.0	N	1,000	N
1653CM14	N	N	200	300	N	150.0	N	500	N
1654CM14	N	N	N	500	N	100.0	300	700	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
1655CM14	38 42 46	112 11 4	15	5.00	3.00	2.00	3,000	N	N	N	200
1657CM14	38 43 35	112 12 25	15	5.00	3.00	1.50	5,000	N	N	<20	300
1660CM14	38 43 42	112 14 20	20	3.00	1.50	1.50	7,000	N	N	150	1,000
1661CM14	38 44 39	112 14 15	20	5.00	1.50	>2.00	5,000	N	N	5,000	200
1662CM14	38 42 40	112 8 43	20	7.00	7.00	2.00	5,000	N	N	<20	1,500
1663CM14	38 43 35	112 9 7	10	7.00	5.00	2.00	5,000	N	N	<20	300
1664CM14	38 44 24	112 9 17	30	3.00	2.00	>2.00	10,000	2.0	N	30	500
1666CM14	38 40 48	112 12 3	15	7.00	5.00	1.50	5,000	N	N	<20	100
1667CM14	38 41 56	112 13 56	15	7.00	5.00	1.50	5,000	N	N	<20	150
1668CM14	38 34 3	112 7 41	30	.50	1.50	>2.00	7,000	5.0	N	20	1,500
1670CM14	38 36 55	112 9 47	50	1.50	2.00	>2.00	7,000	N	N	20	700
1671CM14	38 35 52	112 10 52	50	1.50	1.00	>2.00	10,000	N	N	20	300
1672CM14	38 33 28	112 11 4	20	2.00	2.00	>2.00	10,000	N	N	20	1,500
1673CM14	38 32 6	112 8 15	30	.50	1.00	>2.00	2,000	N	N	20	500
1674CM14	38 30 53	112 8 29	30	1.50	3.00	>2.00	7,000	N	1,000	70	700
1675CM14	38 30 56	112 10 31	30	3.00	5.00	>2.00	7,000	N	N	20	700
1676CM14	38 31 11	112 11 52	50	.70	1.00	>2.00	2,000	5.0	N	100	500
1677CM14	38 30 20	112 14 3	50	.50	.70	>2.00	3,000	N	N	20	300
1678CM14	38 32 13	112 14 34	30	.50	1.00	>2.00	3,000	N	N	20	300
1679CM14	38 32 18	112 12 44	50	.15	.50	.50	1,000	N	N	30	700
1680CM14	38 34 10	112 13 34	30	2.00	2.00	>2.00	7,000	N	N	<20	1,500
1681CM14	38 35 55	112 13 19	20	10.00	5.00	>2.00	10,000	N	N	<20	2,000
1682CM14	38 34 48	112 14 52	15	7.00	5.00	1.50	3,000	N	N	<20	500
1683CM14	38 34 47	112 14 55	30	5.00	3.00	>2.00	7,000	N	N	<20	1,000
1684CM14	38 34 44	112 14 56	20	5.00	5.00	1.50	5,000	N	N	<20	1,000
1685CM14	38 35 59	112 15 29	30	5.00	5.00	>2.00	5,000	N	N	<20	150
1686CM14	38 36 18	112 16 53	30	1.00	1.50	>2.00	7,000	N	N	20	150
1687CM14	38 37 48	112 15 4	15	10.00	10.00	.50	5,000	N	N	<20	100
1689CM14	38 40 15	112 16 10	20	5.00	3.00	>2.00	5,000	N	N	<20	300
1690CM14	38 43 44	112 15 39	30	5.00	2.00	>2.00	10,000	N	1,500	2,000	3,000
1691CM14	38 43 25	112 16 4	20	5.00	2.00	2.00	5,000	N	1,000	1,000	500
1693CM14	38 43 21	112 18 18	30	2.00	1.50	>2.00	3,000	N	N	1,000	200
1694CM14	38 43 23	112 18 16	20	1.00	1.00	>2.00	2,000	N	N	1,000	200
1695CM14	38 43 29	112 18 44	30	2.00	.20	>2.00	5,000	N	N	1,500	700
1696CM14	38 43 12	112 21 41	20	3.00	3.00	2.00	3,000	N	N	<20	200
1697CM14	38 42 55	112 20 40	30	2.00	2.00	>2.00	3,000	N	500	70	1,000
1698CM14	38 41 30	112 19 22	15	5.00	3.00	2.00	5,000	.7	N	<20	500
1699CM14	38 42 21	112 17 23	15	5.00	3.00	2.00	3,000	N	N	<20	300
1702CM14	38 37 58	112 26 58	>50	3.00	2.00	>2.00	7,000	N	N	<20	500
1703CM14	38 39 42	112 25 24	20	5.00	3.00	2.00	5,000	N	N	<20	300
1705CM14	38 40 5	112 23 51	>50	.50	1.00	>2.00	3,000	N	N	<20	500
1706CM14	38 40 7	112 23 54	50	1.50	1.50	>2.00	5,000	N	N	<20	500
1707CM14	38 40 9	112 23 42	>50	1.50	2.00	>2.00	3,000	N	N	20	500
1708CM14	38 39 38	112 23 38	20	5.00	3.00	>2.00	5,000	N	N	20	300
1709CM14	38 38 14	112 23 53	10	7.00	5.00	1.50	3,000	N	N	<20	1,500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1655CM14	<2.0	N	N	100	700	50	500	N	<50	200	30
1657CM14	<2.0	N	N	70	300	30	2,000	N	<50	150	30
1660CM14	N	N	N	70	300	70	>2,000	50	<50	200	200
1661CM14	2.0	N	N	70	300	50	500	7	70	300	70
1662CM14	<2.0	N	N	100	300	20	2,000	N	<50	100	150
1663CM14	<2.0	N	N	70	200	30	2,000	N	<50	100	20
1664CM14	<2.0	N	N	70	500	50	1,000	100	70	50	200
1666CM14	N	N	N	70	150	150	50	N	70	70	20
1667CM14	<2.0	N	N	70	150	30	50	N	<50	100	20
1668CM14	7.0	N	N	100	150	200	300	10	<50	50	300
1670CM14	2.0	N	N	100	500	150	500	15	70	70	100
1671CM14	7.0	N	N	70	700	50	500	20	100	100	100
1672CM14	2.0	N	N	100	300	150	300	15	150	100	500
1673CM14	7.0	N	N	50	100	150	200	30	70	20	300
1674CM14	10.0	N	N	150	150	200	700	70	70	100	200
1675CM14	5.0	N	N	100	500	100	1,000	10	100	100	100
1676CM14	10.0	N	N	100	200	200	1,500	20	70	100	300
1677CM14	<2.0	N	N	70	200	100	150	15	50	20	100
1678CM14	<2.0	N	N	100	200	150	300	N	<50	50	70
1679CM14	N	N	N	<10	150	50	50	70	<50	N	70
1680CM14	<2.0	N	N	100	100	70	150	N	N	N	70
1681CM14	N	N	N	150	500	50	70	N	<50	70	100
1682CM14	N	N	N	100	200	50	150	N	<50	70	70
1683CM14	N	N	N	150	150	150	300	N	<50	70	70
1684CM14	<2.0	N	N	100	200	150	200	N	<50	50	50
1685CM14	<2.0	N	N	100	500	150	1,500	7	70	100	70
1686CM14	<2.0	N	N	100	300	50	1,500	7	100	70	100
1687CM14	N	N	N	70	100	50	N	N	N	50	20
1688CM14	2.0	N	N	70	300	50	100	N	<50	70	30
1690CM14	2.0	N	N	100	700	100	200	10	70	500	150
1691CM14	2.0	N	N	100	300	70	1,000	15	70	300	150
1693CM14	5.0	N	N	50	300	100	100	7	70	200	150
1694CM14	3	N	N	50	300	50	150	7	70	150	100
1695CM14	2.0	N	N	70	700	50	200	7	50	200	150
1696CM14	<2.0	N	N	70	300	50	200	N	<50	100	30
1697CM14	2.0	N	N	70	200	70	500	7	<50	100	100
1698CM14	<2.0	N	N	100	150	30	500	N	<50	150	50
1699CM14	<2.0	N	N	70	300	70	1,000	N	<50	150	30
1702CM14	N	N	N	200	1,000	100	N	N	<50	150	30
1703CM14	2.0	N	N	100	300	50	70	N	<50	100	30
1705CM14	N	N	N	200	1,000	100	100	N	N	150	50
1706CM14	N	N	N	150	1,000	100	70	N	<50	100	50
1707CM14	N	N	N	150	700	150	150	N	<50	150	50
1708CM14	2.0	N	N	100	300	70	50	N	<50	100	30
1709CM14	<2.0	N	N	50	150	30	50	N	<50	50	20

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-SB	S-SW	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1655CM14	N	N	200	500	N	150.0	N	300	N
1657CM14	N	N	300	300	N	200.0	N	300	300
1660CM14	N	N	<200	300	N	300.0	300	500	700
1661CM14	N	N	<200	300	N	200.0	1,000	1,500	N
1662CM14	N	N	300	300	N	200.0	N	500	200
1663CM14	N	N	300	200	N	200.0	N	500	300
1664CM14	N	N	200	300	N	300.0	N	300	N
1666CM14	N	N	<200	500	N	70.0	N	100	N
1667CM14	N	N	N	500	N	70.0	N	150	N
1668CM14	N	N	500	700	N	50.0	N	200	N
1670CM14	N	N	<200	1,000	N	100.0	500	1,000	N
1671CM14	N	N	N	700	N	150.0	700	500	N
1672CM14	N	N	200	500	N	150.0	500	2,000	N
1673CM14	N	N	<200	700	N	100.0	300	500	N
1676CM14	N	N	300	500	100	200.0	N	2,000	200
1675CM14	N	N	200	1,000	N	300.0	700	1,500	N
1676CM14	N	N	<200	700	N	100.0	N	>2,000	N
1677CM14	N	N	<200	700	N	70.0	500	200	N
1678CM14	N	N	<200	1,000	N	70.0	700	200	N
1679CM14	N	N	700	300	N	20.0	N	200	N
1680CM14	N	N	300	700	N	100.0	N	200	N
1681CM14	N	N	200	700	N	100.0	300	300	N
1682CM14	N	N	500	500	N	70.0	300	300	N
1683CM14	N	N	500	700	N	100.0	500	500	N
1684CM14	N	N	500	700	N	100.0	300	200	N
1685CM14	N	N	N	500	N	150.0	500	500	N
1686CM14	N	N	N	500	N	150.0	1,000	500	150
1687CM14	N	N	N	300	N	70.0	N	50	N
1689CM14	N	N	200	500	N	100.0	700	200	N
1690CM14	N	N	N	700	N	200.0	N	1,500	N
1691CM14	N	N	N	500	N	150.0	500	700	N
1693CM14	N	N	<200	500	N	200.0	N	1,000	N
1694CM14	N	N	<200	500	N	300.0	N	1,000	N
1695CM14	N	N	300	500	N	200.0	N	1,000	N
1696CM14	N	N	<200	500	N	150.0	N	700	N
1697CM14	N	N	N	500	N	100.0	N	500	N
1698CM14	N	N	200	500	N	150.0	300	200	N
1699CM14	N	N	200	300	N	150.0	N	300	N
1702CM14	N	N	N	1,500	N	100.0	1,000	300	N
1703CM14	N	N	<150	700	N	100.0	500	300	N
1705CM14	N	N	N	1,500	N	50.0	2,000	700	150
1706CM14	N	N	N	1,000	N	70.0	1,000	300	N
1707CM14	N	N	N	1,500	N	100.0	1,000	500	N
1708CM14	N	N	<200	700	N	150.0	500	300	N
1709CM14	N	N	<200	500	N	100.0	N	300	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MG%	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
1710CM14	38 37 55	112 23 47	30	1.50	1.50	>2.00	3,000	N	N	20	300
1711CM14	38 40 12	112 26 40	20	5.00	5.00	2.00	5,000	N	N	<20	500
1713CM14	38 38 57	112 28 13	30	1.50	2.00	>2.00	3,000	N	N	<20	200
1714CM14	38 41 21	112 27 25	20	5.00	3.00	2.00	2,000	N	N	30	500
1715CM14	38 41 44	112 28 9	30	1.50	1.00	1.00	5,000	N	N	500	1,500
1717CM14	38 42 34	112 24 44	20	2.00	2.00	>2.00	3,000	N	N	200	500
1718CM14	38 42 11	112 24 22	20	7.00	5.00	1.50	3,000	N	N	<20	300
1719CM14	38 42 46	112 23 6	20	5.00	3.00	>2.00	5,000	N	N	<20	300
1720CM14	38 35 45	112 28 38	50	3.00	1.50	>2.00	3,000	N	N	<20	500
1721CM14	38 36 10	112 26 39	15	5.00	3.00	2.00	5,000	N	N	20	300
1722CM14	38 35 21	112 27 22	20	7.00	5.00	2.00	7,000	N	N	<20	500
1723CM14	38 32 37	112 28 19	30	.70	.70	>2.00	10,000	N	N	20	500
1724CM14	38 32 48	112 26 54	30	3.00	2.00	>2.00	10,000	N	N	100	500
1725CM14	38 32 19	112 26 44	30	1.50	1.50	>2.00	>10,000	N	N	30	300
1726CM14	38 34 29	112 25 16	10	5.00	3.00	1.50	5,000	N	N	<20	700
1727CM14	38 34 47	112 19 45	30	2.00	1.50	>2.00	10,000	N	N	20	200
1728CM14	38 34 9	112 19 53	20	3.00	5.00	>2.00	10,000	N	N	30	700
1729CM14	38 35 5	112 24 24	20	5.00	3.00	1.50	5,000	N	N	<20	300
1730CM14	38 32 53	112 22 16	30	3.00	3.00	>2.00	10,000	N	N	50	700
1731CM14	38 33 46	112 22 1	15	7.00	7.00	1.50	7,000	N	N	50	1,500
1732CM14	38 33 35	112 23 55	7	5.00	3.00	1.00	3,000	N	N	70	700
1733CM14	38 33 38	112 23 46	15	5.00	5.00	1.50	7,000	N	N	<20	300
1734CM14	38 33 40	112 23 45	20	7.00	3.00	2.00	5,000	N	N	20	300
1735CM14	38 33 12	112 25 41	30	2.00	3.00	>2.00	10,000	N	N	150	500
1737CM14	38 32 37	112 24 39	20	5.00	3.00	>2.00	10,000	N	N	50	300
1738CM14	38 32 32	112 23 25	30	3.00	3.00	>2.00	10,000	N	N	70	700
1739CM14	38 30 58	112 25 15	30	.30	.50	>2.00	>10,000	N	N	<20	300
1740CM14	38 31 50	112 23 26	50	1.00	1.50	>2.00	>10,000	N	N	50	500
1741CM14	38 30 58	112 23 44	30	.50	.30	>2.00	7,000	N	N	30	500
1742CM14	38 33 53	112 17 49	20	3.00	3.00	2.00	7,000	N	N	20	1,000
1743CM14	38 30 48	112 19 22	20	3.00	3.00	>2.00	7,000	N	N	20	2,000
1744CM41	38 21 31	112 14 14	20	.50	1.50	2.00	1,500	.7	500	30	10,000
1745CM41	38 19 38	112 13 39	50	1.00	2.00	>2.00	2,000	N	N	20	500
1746CM41	38 19 39	112 13 45	30	1.50	1.50	>2.00	2,000	.7	N	20	500
1747CM41	38 19 9	112 13 24	10	2.00	2.00	1.50	1,500	N	N	20	300
1749CM41	38 18 14	112 14 16	20	5.00	5.00	1.50	3,000	N	N	<20	500
1750CM41	38 20 25	112 9 49	10	7.00	3.00	1.50	3,000	N	N	N	300
1752CM41	38 18 10	112 9 50	10	10.00	5.00	.50	2,000	N	N	<20	150
1753CM41	38 16 29	112 7 39	10	10.00	7.00	1.50	3,000	N	N	<20	150
1754CM41	38 18 20	112 8 43	15	5.00	7.00	2.00	3,000	N	N	<20	300
1755CM41	38 29 30	112 27 16	15	3.00	3.00	1.50	10,000	N	N	20	300
1756CM41	38 28 29	112 27 21	50	.70	.70	>2.00	>10,000	N	N	20	300
1757CM41	38 28 0	112 27 1	30	2.00	1.50	>2.00	10,000	N	N	30	700
1758CM41	38 28 0	112 27 7	30	2.00	1.50	>2.00	10,000	N	N	50	500
1760CM41	38 29 20	112 26 26	50	1.00	2.00	>2.00	1,500	N	N	20	500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CV	S-LA	S-MO	S-NB	S-NI	S-PB
1710CM14	N	N	N	150	1,500	100	50	N	<50	100	30
1711CM14	N	N	N	70	700	50	50	N	<50	150	70
1713CM14	N	N	N	150	700	70	50	N	<50	100	50
1714CM14	<2.0	N	N	70	500	70	1,000	N	<50	150	50
1715CM14	5.0	N	N	50	2,000	70	700	15	50	70	150
1717CM14	<2.0	N	N	70	300	70	700	N	70	100	70
1718CM14	<2.0	N	N	100	500	50	150	N	<50	100	30
1719CM14	<2.0	N	N	100	300	50	500	N	<50	100	50
1720CM14	<2.0	N	N	150	700	100	150	N	<50	100	70
1721CM14	<2.0	N	N	70	200	150	70	N	<50	70	30
1722CM14	2.0	N	N	70	150	50	50	N	<50	70	20
1723CM14	<2.0	N	N	100	200	150	1,000	50	300	20	100
1724CM14	2.0	N	N	100	300	100	1,500	30	500	150	150
1725CM14	2.0	N	N	N	300	30	1,500	30	500	100	200
1726CM14	2.0	N	N	70	200	20	70	N	<50	100	20
1727CM14	3.0	N	N	100	500	100	500	20	200	70	150
1728CM14	2.0	N	N	100	200	70	1,000	N	70	50	100
1729CM14	2.0	N	N	70	300	30	100	N	<50	100	20
1730CM14	5.0	N	N	100	500	50	1,000	10	150	70	200
1731CM14	2.0	N	N	100	300	70	700	N	70	100	50
1732CM14	2.0	N	N	50	100	50	100	N	<50	50	20
1733CM14	<2.0	N	N	70	200	70	200	N	50	70	30
1734CM14	2.0	N	N	100	200	150	300	N	<50	50	30
1735CM14	3.0	N	N	70	300	50	1,000	15	300	100	150
1737CM14	5.0	N	N	70	300	50	2,000	15	500	70	300
1738CM14	7.0	N	N	100	150	100	1,000	10	150	70	300
1739CM14	7.0	N	N	20	150	50	1,000	15	700	N	150
1740CM14	5.0	N	N	70	300	50	>2,000	30	300	30	300
1741CM14	20.0	N	N	50	150	50	500	N	70	30	300
1742CM14	3.0	N	N	70	200	70	300	7	50	70	150
1743CM14	2.0	N	N	100	300	100	500	N	100	50	300
1744CM41	7.0	N	N	30	200	150	300	7	<50	70	200
1745CM41	<2.0	N	N	70	500	100	300	N	50	100	150
1746CM41	<2.0	N	N	100	700	100	200	N	<50	150	150
1747CM41	2.0	N	N	50	700	50	150	N	<50	200	150
1749CM41	<2.0	N	N	50	1,000	100	50	N	N	300	30
1750CM41	2.0	N	N	70	150	20	50	N	<50	<50	<20
1752CM41	N	N	N	100	1,500	20	150	N	N	500	N
1753CM41	<2.0	N	N	70	1,000	20	50	7	N	500	100
1754CM41	N	N	N	100	1,000	70	200	N	<50	150	30
1755CM41	20.0	N	N	50	700	30	200	100	300	100	700
1756CM41	10.0	N	N	30	150	30	500	10	1,500	N	300
1757CM41	20.0	N	N	50	500	50	500	7	200	70	1,500
1758CM41	20.0	N	N	70	300	50	300	15	700	50	700
1759CM41	3.0	N	N	70	1,000	150	200	7	<50	100	200

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-V	S-V	S-Y	S-ZN	S-ZR	S-TH
1710CM14	N	N	<200	1,000	N	70.0	1,000	700	N	N
1711CM14	N	N	<200	700	N	70.0	300	300	N	N
1713CM14	N	N	N	1,000	N	70.0	700	300	N	N
1714CM14	N	N	200	500	N	150.0	N	300	150	N
1715CM14	N	N	300	500	N	150.0	500	700	N	N
1717CM14	N	N	<200	700	N	500.0	N	700	N	N
1718CM14	N	N	<200	500	N	100.0	300	200	N	N
1719CM14	N	N	200	500	N	200.0	N	500	N	N
1720CM14	N	N	N	700	N	70.0	500	700	N	N
1721CM14	N	N	200	300	N	100.0	500	300	N	N
1722CM14	N	N	<200	500	N	100.0	N	200	N	N
1723CM14	N	N	N	1,000	N	100.0	1,500	700	N	N
1724CM14	N	N	N	500	N	200.0	1,000	1,000	N	N
1725CM14	N	200	N	300	N	300.0	1,500	1,500	N	N
1726CM14	N	N	<200	300	N	150.0	N	1,000	N	N
1727CM14	N	N	N	500	N	150.0	1,000	500	N	N
1728CM14	N	N	<200	500	N	100.0	300	700	N	N
1729CM14	N	N	N	500	N	150.0	700	500	N	N
1730CM14	N	N	N	700	N	150.0	700	1,000	N	N
1731CM14	N	N	300	500	N	200.0	N	700	N	N
1732CM14	N	N	500	300	N	100.0	N	300	N	N
1733CM14	N	N	200	500	N	100.0	N	500	N	N
1734CM14	N	N	<200	500	N	100.0	500	300	N	N
1735CM14	N	50	<200	300	N	300.0	1,000	2,000	N	N
1737CM14	N	200	<200	500	N	300.0	700	1,000	150	N
1738CM14	N	N	<200	700	N	150.0	700	500	N	N
1739CM14	N	200	N	300	N	200.0	2,000	1,000	N	N
1740CM14	N	100	N	300	N	200.0	1,000	2,000	150	N
1741CM14	N	N	<200	500	N	200.0	500	300	N	N
1742CM14	N	N	500	700	N	100.0	300	500	N	N
1743CM14	N	N	200	700	N	200.0	500	500	N	N
1744CM41	N	N	500	500	N	100.0	N	300	N	N
1745CM41	N	N	<200	700	N	70.0	N	300	N	N
1746CM41	N	N	200	700	N	70.0	N	500	N	N
1747CM41	N	N	300	500	N	70.0	N	300	N	N
1749CM41	N	N	500	700	N	70.0	N	700	150	N
1750CM41	N	N	200	500	N	100.0	N	300	N	N
1752CM41	N	N	200	300	N	50.0	N	50	N	N
1753CM41	N	N	200	300	N	50.0	N	100	N	N
1754CM41	N	N	200	700	N	70.0	N	200	N	N
1755CM41	N	700	200	500	N	100.0	500	700	N	N
1756CM41	N	150	N	300	N	200.0	1,500	2,000	N	N
1757CM41	N	N	300	300	N	100.0	700	700	N	N
1758CM41	N	100	<200	500	N	300.0	1,500	1,500	N	N
1759CM41	N	N	<200	1,000	N	50.0	N	150	N	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-SA
1761CM14	38 33 47	112 16 26	20	3.00	2.00	2.00	300	N	N	<20	2,000
1762CM14	38 32 11	112 16 10	50	1.50	1.50	>2.00	7,000	N	N	10	1,000
1764CM14	38 32 4	112 16 22	30	.50	1.00	>2.00	7,000	N	N	20	1,000
1765CM14	38 31 3	112 15 58	30	.10	.50	.30	1,000	1.0	N	30	1,500
1766CM44	38 14 18	112 14 13	15	7.00	5.00	1.50	3,000	N	N	20	300
1767CM44	38 12 52	112 13 23	30	7.00	3.00	2.00	5,000	N	N	<20	500
1769CM44	38 12 26	112 10 32	20	7.00	5.00	2.00	7,000	N	N	N	1,500
1771CM41	38 15 19	112 10 15	20	10.00	7.00	>2.00	5,000	N	N	20	300
1772CM41	38 16 41	112 11 18	7	3.00	5.00	1.00	5,000	N	N	<20	300
1773CM41	38 17 45	112 11 38	20	5.00	3.00	2.00	5,000	N	N	<20	1,000
1774CM44	38 13 2	112 8 0	20	3.00	3.00	>2.00	7,000	N	N	<20	1,500
1775CM44	38 13 29	112 9 8	20	3.00	5.00	>2.00	5,000	N	N	<20	700
1776CM41	38 21 1	112 6 23	10	5.00	3.00	.50	3,000	N	N	70	200
1777CM41	38 22 25	112 4 54	10	7.00	7.00	.70	5,000	N	N	<20	700
1778CM41	38 22 35	112 4 48	10	7.00	10.00	.70	5,000	N	N	20	500
1779CM44	38 23 6	112 3 45	15	5.00	5.00	1.50	5,000	N	N	<20	700
1780CM41	38 23 58	112 3 6	7	7.00	5.00	1.00	3,000	N	N	20	200
1781CM41	38 24 33	112 2 18	7	7.00	7.00	1.00	7,000	N	N	<20	200
1783CM41	38 25 2	112 2 38	20	10.00	7.00	2.00	7,000	N	N	20	500
1784CM41	38 24 27	112 0 39	10	7.00	5.00	1.00	3,000	N	N	<20	200
1785CM41	38 24 24	112 0 42	10	7.00	5.00	1.50	3,000	N	N	N	200
1786CM41	38 24 28	112 0 35	15	7.00	5.00	1.00	3,000	N	N	50	150
1789CM41	38 29 21	112 0 9	50	5.00	5.00	>2.00	7,000	N	N	30	300
1790CM41	38 27 40	112 3 48	15	5.00	5.00	>2.00	3,000	N	N	20	300
1792CM41	38 29 19	112 4 22	30	5.00	5.00	>2.00	5,000	N	N	<20	700
1801CM43	38 13 29	112 32 18	7	7.00	3.00	1.00	3,000	N	N	<20	300
1803CM43	38 14 5	112 33 43	15	7.00	5.00	1.50	3,000	N	N	<20	200
1804CM43	38 7 46	112 34 56	10	7.00	5.00	1.00	3,000	N	N	<20	200
1805CM43	38 8 34	112 35 48	20	7.00	5.00	1.50	5,000	N	N	<20	150
1806CM43	38 8 49	112 35 1	10	7.00	5.00	1.50	5,000	N	N	N	150
1808CM43	38 11 32	112 34 46	15	5.00	5.00	2.00	7,000	N	N	20	300
1809CM43	38 8 24	112 31 34	20	7.00	7.00	>2.00	5,000	N	N	70	200
1810CM43	38 8 34	112 31 23	20	5.00	7.00	2.00	3,000	N	N	<20	200
1812CM43	38 6 9	112 30 43	15	7.00	5.00	1.50	5,000	N	N	<20	200
1813CM43	38 5 55	112 30 18	10	7.00	5.00	.70	3,000	N	N	<20	100
1814CM44	38 5 30	112 29 12	7	7.00	5.00	1.00	3,000	N	N	<20	150
1815CM43	38 6 49	112 32 19	10	10.00	5.00	1.00	5,000	N	N	<20	150
1817CM43	38 9 23	112 30 51	10	10.00	5.00	1.50	3,000	N	N	<20	150
1818CM44	38 10 33	112 29 26	10	10.00	7.00	.70	3,000	N	N	<20	150
1819CM44	38 10 8	112 29 2	10	10.00	7.00	1.00	5,000	N	N	20	300
1820CM43	38 8 33	112 31 20	10	5.00	5.00	1.50	5,000	N	N	150	200
1822CM43	38 4 9	112 38 17	20	5.00	3.00	>2.00	2,000	N	N	<20	200
1823CM43	38 4 0	112 36 27	15	5.00	5.00	1.50	3,000	N	N	<20	200
1824CM43	38 4 3	112 36 26	20	5.00	5.00	2.00	3,000	N	N	<20	200
1825CM43	38 4 0	112 36 30	20	5.00	5.00	2.00	5,000	N	N	<20	500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1761CM14	<2.0	N	N	50	150	70	200	N	<50	70	70
1762CM14	2.0	N	N	70	200	150	100	N	<50	30	150
1764CM14	2.0	N	N	50	200	100	150	N	<50	30	150
1765CM14	<2.0	N	N	15	50	150	200	15	N	N	300
1766CM44	<2.0	N	N	100	500	100	70	N	N	150	30
1767CM44	<2.0	N	N	100	500	100	50	N	N	70	30
1769CM44	N	N	N	70	200	70	100	N	N	50	30
1771CM41	2.0	N	N	50	150	30	300	N	<50	50	30
1772CM41	N	N	N	70	700	30	50	N	N	150	30
1773CM41	2.0	N	N	50	500	70	100	N	N	100	70
1774CM44	<2.0	N	N	100	200	70	150	N	<50	70	70
1775CM44	N	N	N	70	150	30	100	N	<50	N	30
1776CM41	7.0	N	N	30	70	30	200	N	N	20	100
1777CM41	N	N	N	70	1,000	50	<50	N	N	100	70
1778CM41	N	N	N	50	300	30	50	N	N	50	30
1779CM44	<2.0	N	N	70	150	50	100	N	N	20	30
1780CM41	<2.0	N	N	50	500	20	N	N	N	150	20
1781CM41	N	N	N	70	200	30	N	N	N	50	<20
1783CM41	<2.0	N	N	70	500	50	<50	N	N	50	20
1784CM41	N	N	N	70	700	50	300	7	N	150	<20
1785CM41	N	N	N	70	1,000	50	N	N	N	150	20
1786CM41	N	N	N	70	1,000	30	N	N	N	100	N
1789CM41	<2.0	N	N	100	500	70	1,000	10	70	150	50
1790CM41	<2.0	N	N	70	500	70	100	N	<50	100	30
1792CM41	2.0	N	N	100	700	150	100	10	<50	50	70
1801CM43	<2.0	N	N	50	500	50	N	N	N	100	20
1803CM43	N	N	N	100	300	50	<50	N	<50	100	20
1804CM43	N	N	N	70	200	30	50	N	N	70	20
1805CM43	N	N	N	70	300	30	300	N	<50	30	<20
1806CM43	N	N	N	70	300	30	200	N	N	50	<20
1808CM43	<2.0	N	N	70	300	50	300	7	50	30	50
1809CM43	<2.0	N	N	100	200	70	200	N	<50	30	20
1810CM43	<2.0	N	N	100	300	50	50	N	N	30	20
1812CM43	<2.0	N	N	70	200	30	300	N	N	50	<20
1813CM43	N	N	N	50	200	30	<50	N	N	70	20
1814CM44	N	N	N	50	200	15	200	N	N	50	20
1815CM43	<2.0	N	N	70	300	20	300	N	N	100	20
1817CM43	N	N	N	50	150	50	N	N	N	50	<20
1818CM44	N	N	N	70	500	15	N	N	N	70	N
1819CM44	N	N	N	70	300	30	N	N	N	50	20
1820CM43	<2.0	N	N	70	100	30	100	N	N	20	20
1822CM43	N	N	N	70	150	30	N	N	N	20	20
1823CM43	N	N	N	70	150	30	N	N	N	30	N
1824CM43	N	N	N	70	300	100	70	N	N	30	<20
1825CM43	N	N	N	70	200	30	N	N	N	30	20

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1761CM14	N	N	200	700	N	70.0	N	500	N
1762CM14	N	N	700	1,000	N	70.0	N	500	N
1764CM14	N	N	300	700	N	70.0	N	500	N
1765CM14	N	N	5,000	300	N	20.0	N	300	N
1766CM44	N	N	700	500	N	70.0	N	200	N
1767CM44	N	N	500	500	N	70.0	N	200	N
1769CM44	N	N	300	500	N	100.0	N	200	N
1771CM41	N	N	500	700	N	150.0	N	700	N
1772CM41	N	N	700	300	N	70.0	N	200	N
1773CM41	N	N	500	500	N	70.0	N	100	N
1774CM44	N	N	300	500	N	100.0	N	300	N
1775CM44	N	N	300	700	N	70.0	N	200	N
1776CM41	N	N	200	500	N	70.0	N	200	N
1777CM41	N	N	300	500	N	70.0	N	70	N
1778CM41	N	N	200	500	N	70.0	N	200	150
1779CM44	N	N	300	500	N	70.0	N	300	N
1780CM41	N	N	300	300	N	70.0	N	500	N
1781CM41	N	N	200	300	N	70.0	N	300	N
1783CM41	N	N	300	700	N	100.0	N	300	N
1784CM41	N	N	200	300	N	70.0	N	300	N
1785CM41	N	N	300	500	N	70.0	N	70	N
1786CM41	N	N	200	300	N	200.0	N	100	N
1789CM41	N	50	N	1,500	N	200.0	700	1,500	N
1790CM41	N	N	<200	500	N	70.0	N	300	150
1792CM41	N	N	200	1,000	N	70.0	N	200	N
1801CM43	N	N	500	200	N	70.0	N	100	N
1803CM43	N	N	<200	500	N	70.0	300	200	N
1804CM43	N	N	<200	500	N	70.0	N	200	N
1805CM43	N	N	N	500	N	70.0	N	200	N
1806CM43	N	N	<200	500	N	50.0	N	200	N
1808CM43	N	N	N	500	N	100.0	500	300	N
1809CM43	N	N	<200	500	N	100.0	300	300	N
1810CM43	N	N	N	200	N	70.0	N	100	N
1812CM43	N	N	<200	300	N	70.0	N	300	N
1813CM43	N	N	N	300	N	70.0	N	150	N
1814CM44	N	N	<200	300	N	70.0	N	200	N
1815CM43	N	N	<150	300	N	70.0	N	300	N
1817CM43	N	N	200	500	N	70.0	N	200	N
1818CM44	N	N	200	300	N	70.0	N	100	N
1819CM44	N	N	200	300	N	70.0	N	300	N
1820CM43	N	N	200	500	N	70.0	N	1,000	N
1823CM43	N	N	<200	500	N	20.0	N	50	N
1824CM43	N	N	<200	500	N	70.0	N	100	N
1825CM43	N	N	<200	700	N	70.0	N	150	N
1825CM43	N	N	N	500	N	50.0	N	200	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
1826CM43	38 2 54	112 36 52	20	7.00	5.00	2.00	3,000	N	N	20	200
1827CM43	38 0 47	112 37 53	10	5.00	5.00	1.50	3,000	N	N	70	200
1828CM43	38 5 38	112 33 49	10	7.00	7.00	1.50	5,000	N	N	<20	300
1829CM43	38 5 45	112 33 25	10	7.00	7.00	1.00	3,000	N	N	20	100
1830CM43	38 6 49	112 33 20	15	5.00	5.00	1.00	5,000	N	N	<20	150
1832CM44	38 8 11	112 28 40	7	7.00	7.00	.70	5,000	N	N	<20	100
1833CM44	38 8 19	112 27 32	7	7.00	7.00	.50	3,000	N	N	30	100
1834CM44	38 6 49	112 26 39	20	7.00	5.00	>2.00	5,000	N	N	20	300
1835CM44	38 4 12	112 29 7	15	10.00	10.00	1.50	5,000	N	N	<20	200
1836CM44	38 4 3	112 29 25	15	10.00	5.00	1.50	5,000	N	N	<20	300
1838CM44	38 2 26	112 29 17	10	7.00	7.00	1.00	2,000	N	N	70	200
1839CM44	38 3 32	112 26 37	20	5.00	5.00	>2.00	3,000	N	N	<20	100
1840CM44	38 2 54	112 26 43	15	7.00	7.00	1.00	3,000	N	N	100	200
1841CM44	38 2 11	112 26 15	10	7.00	5.00	1.50	3,000	N	N	20	150
1842CM44	38 2 17	112 26 24	15	5.00	5.00	1.50	5,000	N	N	70	150
1843CM44	38 0 24	112 23 50	10	7.00	3.00	1.00	3,000	N	N	50	150
1844CM44	38 6 30	112 25 22	20	7.00	5.00	2.00	3,000	N	N	20	200
1845CM44	38 7 23	112 23 44	15	5.00	3.00	>2.00	5,000	N	N	<20	500
1846CM44	38 5 17	112 25 10	15	5.00	5.00	2.00	5,000	N	N	200	300
1847CM44	38 5 38	112 22 54	7	7.00	10.00	1.00	3,000	N	N	<20	150
1849CM43	38 3 50	112 33 10	20	5.00	3.00	2.00	3,000	N	N	<20	300
1851CM43	38 0 28	112 34 34	20	5.00	3.00	2.00	5,000	N	N	<20	300
1852CM43	38 3 56	112 31 8	20	5.00	2.00	>2.00	3,000	N	N	<20	200
1854CM43	38 2 11	112 32 49	15	3.00	10.00	1.00	3,000	N	N	200	200
1855CM44	38 13 0	112 29 22	15	7.00	5.00	1.50	3,000	N	N	<20	150
1856CM44	38 13 30	112 29 48	20	5.00	7.00	>2.00	5,000	N	N	<20	300
1858CM44	38 13 33	112 25 53	15	5.00	3.00	>2.00	3,000	N	N	<20	300
1859CM44	38 13 23	112 26 10	15	7.00	5.00	1.50	3,000	N	N	<20	500
1860CM44	38 13 20	112 26 14	15	5.00	5.00	1.50	3,000	N	N	50	200
1861CM44	38 13 23	112 26 5	20	5.00	3.00	2.00	2,000	N	N	<20	500
1862CM44	38 12 17	112 25 41	15	5.00	5.00	2.00	300	N	N	<20	200
1863CM44	38 12 14	112 25 44	15	3.00	5.00	2.00	5,000	N	N	30	100
1864CM44	38 13 24	112 23 46	10	10.00	10.00	1.00	2,000	N	N	<20	70
1866CM44	38 14 0	112 23 8	15	10.00	7.00	1.00	7,000	N	N	<20	300
1867CM13	38 30 24	112 35 16	15	7.00	5.00	>2.00	5,000	N	N	<20	300
1868CM13	38 30 20	112 35 3	15	5.00	3.00	2.00	5,000	N	N	<20	200
1869CM13	38 30 12	112 34 58	30	7.00	5.00	>2.00	10,000	N	N	<20	2,000
1870CM13	38 30 14	112 34 21	50	1.50	1.50	>2.00	5,000	N	N	N	700
1871CM13	38 30 10	112 34 23	50	2.00	1.00	>2.00	3,000	N	N	<20	1,500
1872CM13	38 30 11	112 34 1	50	1.50	1.50	>2.00	3,000	N	N	<20	500
1873CM13	38 30 7	112 34 3	>50	.50	.70	>2.00	3,000	N	N	20	300
1874CM13	38 30 7	112 33 48	30	1.00	1.00	>2.00	5,000	N	N	<20	500
1875CM42	38 27 0	112 34 27	30	.50	1.00	1.00	1,500	N	N	30	700
1879CM12	38 47 49	112 43 49	20	3.00	5.00	>2.00	1,000	N	N	70	1,500
1880CM12	38 46 37	112 44 46	20	5.00	3.00	2.00	3,000	N	N	50	200

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1826CM43	N	N	N	100	500	70	100	N	N	100	20
1827CM43	N	N	N	100	150	30	N	N	N	30	20
1829CM43	N	N	N	70	150	30	50	N	N	50	30
1830CM43	N	N	N	70	300	20	70	N	N	30	20
1831CM43	N	N	N	70	100	20	N	N	N	20	20
1832CM44	N	N	N	50	150	20	N	N	N	30	<20
1833CM44	N	N	N	50	150	15	N	N	N	20	<20
1834CM44	<2.0	N	N	70	100	30	50	N	N	N	20
1835CM44	N	N	N	100	500	30	500	N	N	50	20
1836CM44	<2.0	N	N	70	150	50	150	N	N	50	20
1838CM44	N	N	N	100	300	50	300	N	N	50	20
1839CM44	N	N	N	100	300	30	300	N	N	30	20
1840CM44	N	N	N	100	300	30	300	N	N	30	20
1841CM44	N	N	N	70	200	30	150	N	N	70	20
1842CM44	<2.0	N	N	70	500	50	300	N	N	30	30
1843CM44	N	N	N	100	200	30	500	N	N	50	30
1844CM44	N	N	N	70	70	50	100	N	<50	N	30
1845CM44	<2.0	N	N	100	100	70	100	N	<50	30	70
1846CM44	2.0	N	N	100	150	50	200	N	<50	30	50
1847CM44	N	N	N	50	300	30	N	N	N	30	20
1849CM43	<2.0	N	N	70	200	50	100	N	<50	50	20
1851CM43	<2.0	N	N	70	200	30	300	N	<50	50	20
1852CM43	<2.0	N	N	100	200	70	150	N	<50	30	50
1854CM43	N	N	N	15	150	10	50	N	<50	N	20
1855CM44	<2.0	N	N	100	300	50	N	N	N	100	20
1856CM44	<2.0	N	N	100	500	70	N	N	N	70	20
1858CM44	<2.0	N	N	70	500	100	50	N	N	100	20
1859CM44	<2.0	N	N	70	1,000	100	50	7	N	100	20
1860CM44	2.0	N	N	70	500	50	N	7	N	100	20
1861CM44	2.0	N	N	70	300	150	50	N	N	100	20
1862CM44	N	N	N	100	300	100	N	N	N	70	20
1863CM44	<2.0	N	N	100	300	100	50	10	N	100	30
1864CM44	N	N	N	100	1,000	30	N	N	N	150	N
1866CM44	<2.0	N	N	50	300	20	N	N	N	70	N
1867CM13	<2.0	N	N	100	300	50	100	N	50	100	30
1868CM13	<2.0	N	N	100	300	70	200	N	<50	150	50
1869CM13	<2.0	N	N	50	300	150	500	N	70	150	100
1870CM13	<2.0	N	N	100	700	150	300	N	<50	150	70
1871CM13	<2.0	N	N	150	1,000	70	150	N	70	70	50
1872CM13	<2.0	N	N	100	500	50	300	N	<50	100	70
1873CM13	<2.0	N	N	100	500	100	100	N	<50	50	50
1874CM13	<2.0	N	N	150	500	100	200	N	100	50	50
1875CM42	3.0	N	N	150	200	150	100	10	<50	150	300
1879CM12	15.0	N	N	100	50	30	500	30	150	20	50
1880CM12	20.0	N	N	50	150	50	500	10	100	50	30

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1826CM43	N	N	<200	700	N	50.0	N	150	N
1827CM43	N	N	200	500	N	50.0	N	200	N
1829CM43	N	N	200	500	N	50.0	N	300	N
1830CM43	N	N	<200	300	N	70.0	N	150	N
1831CM43	N	N	N	300	N	70.0	N	300	N
1832CM44	N	N	N	300	N	50.0	N	70	N
1833CM44	N	N	N	300	N	50.0	N	50	N
1834CM44	N	N	200	500	N	70.0	500	200	N
1835CM44	N	N	<200	700	N	70.0	N	150	N
1836CM44	N	N	200	500	N	100.0	N	300	N
1838CM44	N	N	N	300	N	70.0	N	500	N
1839CM44	N	N	N	700	N	70.0	N	300	N
1840CM44	N	N	N	500	N	200.0	N	500	N
1841CM44	N	N	N	500	N	70.0	N	200	N
1842CM44	N	N	<200	500	N	70.0	N	500	N
1843CM44	N	N	N	500	N	70.0	N	500	N
1844CM44	N	N	<200	500	N	70.0	N	100	N
1845CM44	N	N	200	700	N	100.0	N	300	N
1846CM44	N	N	200	500	N	150.0	N	700	N
1847CM44	N	N	N	500	N	50.0	N	70	N
1849CM43	N	N	<200	500	N	100.0	300	1,000	N
1851CM43	N	N	<200	500	N	100.0	N	300	N
1852CM43	N	N	<200	700	N	100.0	300	300	N
1854CM43	N	N	N	300	N	70.0	N	500	N
1855CM44	N	N	300	500	N	100.0	300	100	N
1856CM44	N	N	200	500	N	70.0	N	300	N
1858CM44	N	N	200	500	N	70.0	N	500	N
1859CM44	N	N	300	500	N	70.0	N	200	N
1860CM44	N	N	300	200	N	70.0	N	100	N
1861CM44	N	N	300	500	N	70.0	N	300	N
1862CM44	N	N	200	700	N	70.0	300	70	N
1863CM44	N	N	<150	200	N	70.0	300	150	N
1864CM44	N	N	200	300	N	70.0	N	200	N
1866CM44	N	N	300	300	N	70.0	N	50	N
1867CM13	N	N	<200	500	N	100.0	N	150	N
1868CM13	N	N	<150	200	N	70.0	N	300	N
1869CM13	N	N	<200	500	N	200.0	N	1,000	N
1870CM13	N	N	N	500	N	100.0	1,000	500	N
1871CM13	N	N	<200	700	N	70.0	700	500	N
1872CM13	N	N	N	700	N	70.0	500	1,000	N
1873CM13	N	N	N	500	N	70.0	700	500	N
1874CM13	N	N	N	500	N	150.0	500	700	N
1875CM42	N	N	500	500	N	70.0	N	500	N
1879CM12	N	N	200	500	N	200.0	N	2,000	N
1880CM12	N	N	N	300	N	200.0	N	2,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MG%	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
1881CM12	38 45 5	112 42 58	10	5.00	5.00	1.00	7,000	N	N	20	500
1882CM12	38 45 40	112 40 7	15	7.00	5.00	>2.00	7,000	N	N	50	1,000
1883CM12	38 51 44	112 35 37	15	10.00	3.00	1.00	3,000	N	N	100	500
1884CM12	38 52 0	112 37 10	7	15.00	1.50	.20	2,000	N	N	<20	150
1885CM12	38 50 45	112 37 0	15	10.00	5.00	2.00	5,000	N	N	50	300
1893CM12	38 56 12	112 31 23	10	10.00	2.00	.50	2,000	N	N	30	300
1897CM12	38 54 3	112 38 14	10	15.00	2.00	.50	3,000	N	N	<20	150
1898CM12	38 52 56	112 36 38	20	15.00	3.00	1.50	3,000	N	N	70	300
1899CM12	38 54 51	112 35 33	20	15.00	3.00	>2.00	5,000	N	N	100	300
2100CM43	38 6 0	112 36 11	10	10.00	5.00	1.00	5,000	N	N	<20	100
2101CM44	38 5 40	112 27 37	15	5.00	5.00	1.50	500	N	N	<20	100
2102CM44	38 1 7	112 26 33	7	7.00	5.00	.70	3,000	N	N	<20	100
2103CM44	38 0 8	112 25 16	7	7.00	5.00	.70	2,000	N	N	<20	200
2104CM44	38 2 40	112 23 20	15	10.00	7.00	1.00	5,000	N	N	<20	200
2105CM44	38 3 57	112 23 25	20	7.00	5.00	>2.00	7,000	N	N	200	500
2106CM44	38 3 57	112 21 25	20	7.00	5.00	2.00	5,000	N	N	20	300
2107CM44	38 3 59	112 20 0	7	7.00	5.00	1.00	5,000	N	N	20	100
2108CM44	38 5 11	112 20 6	20	7.00	5.00	2.00	5,000	N	N	<20	500
2109CM44	38 7 34	112 19 28	10	10.00	5.00	.70	5,000	N	N	<20	100
2111CM44	38 7 1	112 11 6	10	5.00	3.00	2.00	7,000	N	N	<20	700
2112CM44	38 5 0	112 10 43	20	7.00	5.00	>2.00	5,000	N	N	20	1,000
2114CM44	38 3 43	112 11 50	15	3.00	3.00	1.50	3,000	N	N	<20	200
2115CM44	38 6 33	112 6 2	20	7.00	7.00	1.50	5,000	N	N	<20	200
2118CM44	38 10 28	112 10 12	10	7.00	5.00	1.50	3,000	N	N	20	150
2120CM44	38 8 19	112 18 8	30	2.00	2.00	>2.00	5,000	N	N	<20	200
2121CM44	38 14 50	112 21 43	20	5.00	3.00	>2.00	2,000	N	N	<20	150
2122CM41	38 15 4	112 0 38	15	5.00	3.00	>2.00	7,000	N	N	<20	500
2124CM41	38 16 38	112 0 26	15	7.00	5.00	1.50	3,000	N	N	<20	500
2127CM41	38 18 24	112 2 32	7	3.00	3.00	1.00	3,000	N	N	70	300
2128CM41	38 17 14	112 3 30	15	5.00	3.00	2.00	3,000	N	N	<20	500
2129CM41	38 19 3	112 3 51	15	10.00	5.00	1.50	3,000	N	N	20	200
2130CM14	38 43 24	112 10 16	15	5.00	5.00	2.00	5,000	N	N	70	2,000
2131CM14	38 39 20	112 14 14	10	5.00	5.00	1.50	5,000	N	N	<20	300
2132CM14	38 39 22	112 14 15	10	5.00	3.00	1.50	5,000	N	N	<20	500
2133CM14	38 39 19	112 14 14	15	7.00	5.00	2.00	5,000	N	N	<20	300
2134CM13	38 37 49	112 17 5	30	2.00	2.00	>2.00	5,000	1.0	N	<20	300
2135CM11	38 45 11	112 21 52	30	5.00	1.50	>2.00	3,000	N	N	200	500
2136CM14	38 44 53	112 27 26	15	5.00	5.00	1.50	3,000	N	N	150	300
2137CM14	38 43 25	112 27 58	50	1.50	1.50	.50	2,000	N	N	150	1,500
2138CM14	38 44 23	112 29 13	30	7.00	2.00	1.00	5,000	N	700	70	500
2139CM14	38 43 3	112 29 31	50	2.00	2.00	.50	3,000	N	1,000	150	500
2140CM13	38 39 50	112 29 37	50	1.00	2.00	.70	7,000	N	700	30	1,500
2141CM13	38 32 9	112 31 5	50	1.50	1.00	>2.00	7,000	N	N	<20	1,000
2142CM13	38 33 18	112 30 13	10	10.00	7.00	1.50	5,000	N	N	<20	200
2143CM14	38 34 30	112 28 45	30	3.00	3.00	>2.00	7,000	N	N	100	500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
1881CM12	2.0	N	N	100	700	50	N	7	N	200	30
1882CM12	<2.0	N	N	100	700	70	500	N	70	300	50
1883CM12	N	N	N	150	500	20	150	N	<50	700	20
1884CM12	N	N	N	200	150	10	N	N	N	700	20
1885CM12	<2.0	N	N	70	300	50	300	N	<50	200	50
1893CM12	N	N	N	100	200	20	70	N	50	700	20
1897CM12	N	N	N	200	200	20	70	N	N	700	30
1898CM12	N	N	N	150	500	30	200	N	<50	700	30
1899CM12	N	N	N	200	1,000	50	200	N	100	700	50
2100CM43	N	N	N	70	100	20	N	N	N	20	20
2101CM44	N	N	N	70	100	50	300	N	N	30	20
2102CM44	N	N	N	100	300	15	150	N	N	150	20
2103CM44	N	N	N	50	500	10	300	N	N	100	<20
2104CM44	N	N	N	100	500	20	50	N	N	100	N
2105CM44	<2.0	N	N	100	200	30	1,000	N	100	30	50
2106CM44	<2.0	N	N	70	150	20	50	N	N	70	20
2107CM44	N	N	N	70	300	20	300	N	N	100	N
2108CM44	<2.0	N	N	100	70	10	100	N	<50	N	50
2109CM44	N	N	N	70	300	10	300	N	N	70	<20
2111CM44	N	N	N	70	30	20	50	N	N	N	30
2112CM44	<2.0	N	N	50	200	50	50	N	<50	70	20
2114CM44	<2.0	N	N	50	70	30	70	N	<50	20	30
2115CM44	N	N	N	70	300	20	150	N	<50	70	20
2118CM44	N	N	N	70	200	30	200	N	N	50	20
2120CM44	<2.0	N	N	70	50	30	300	N	<50	N	50
2121CM44	N	N	N	100	200	50	N	N	N	70	30
2122CM41	5.0	N	N	70	200	50	200	N	50	100	100
2124CM41	<2.0	N	N	100	300	70	200	N	N	100	20
2127CM41	<2.0	N	N	70	300	50	50	N	N	100	30
2128CM41	N	N	N	100	500	100	100	N	<50	100	30
2129CM41	N	N	N	100	700	50	500	N	<50	300	20
2130CM14	<2.0	N	N	70	100	50	2,000	N	70	70	20
2131CM14	2.0	N	N	70	150	20	200	N	<50	100	20
2132CM14	<2.0	N	N	70	200	20	500	N	<50	100	30
2133CM14	2.0	N	N	70	150	20	100	N	<50	50	20
2134CM13	<2.0	N	N	150	500	50	200	N	<50	100	20
2135CM11	2.0	N	N	150	1,000	70	700	N	50	300	150
2136CM14	2.0	N	N	50	300	70	500	20	50	300	200
2137CM14	10.0	N	N	50	300	100	500	30	<50	200	200
2138CM14	3.0	N	N	100	200	200	150	200	50	500	700
2139CM14	7.0	N	N	100	150	150	100	200	<50	500	500
2140CM13	2.0	N	N	100	150	300	700	50	50	200	300
2141CM13	N	N	N	100	300	150	300	15	50	20	150
2142CM13	<2.0	N	N	70	1,000	70	500	N	50	150	50
2143CM14	<2.0	N	N	100	200	150	500	10	70	50	50

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
1881CM12	N	N	300	700	N	70.0	N	300	N
1882CM12	N	N	N	500	N	150.0	N	500	N
1883CM12	N	N	N	300	N	70.0	500	300	N
1884CM12	N	N	N	100	N	20.0	N	100	N
1885CM12	N	N	200	300	N	100.0	N	300	N
1893CM12	N	N	200	100	N	70.0	N	300	N
1897CM12	N	N	N	200	N	50.0	N	70	N
1898CM12	N	N	N	500	N	100.0	N	500	N
1899CM12	N	N	N	300	N	100.0	500	200	N
2100CM43	N	N	<200	500	N	50.0	N	300	N
2101CM44	N	N	<200	500	N	70.0	N	300	N
2102CM44	N	N	N	300	N	70.0	N	150	N
2103CM44	N	N	<200	500	N	50.0	N	150	N
2104CM44	N	N	200	500	N	100.0	N	100	N
2105CM44	N	N	300	500	N	200.0	300	1,500	N
2106CM44	N	N	300	500	N	100.0	300	200	N
2107CM44	N	N	N	200	N	100.0	N	200	N
2108CM44	N	N	200	500	N	150.0	500	300	N
2109CM44	N	N	N	300	N	100.0	N	300	N
2111CM44	N	N	500	500	N	100.0	300	200	N
2112CM44	N	N	<200	700	N	100.0	N	300	N
2114CM44	N	N	<200	500	N	70.0	N	200	N
2115CM44	N	N	200	500	N	70.0	N	100	N
2118CM44	N	N	200	300	N	70.0	N	100	N
2120CM44	N	N	<200	500	N	100.0	1,000	300	N
2121CM44	N	N	<200	1,000	N	50.0	300	50	N
2122CM41	N	N	300	300	N	50.0	N	500	N
2124CM41	N	N	500	500	N	100.0	N	150	N
2127CM41	N	N	500	500	N	100.0	N	200	N
2128CM41	N	N	500	500	N	70.0	N	200	N
2129CM41	N	N	300	300	N	70.0	N	200	N
2130CM14	N	N	200	500	N	200.0	N	500	N
2131CM14	N	N	<200	300	N	150.0	N	500	300
2132CM14	N	N	200	500	N	150.0	N	300	N
2133CM14	N	N	<200	300	N	150.0	N	300	N
2134CM13	N	N	N	700	N	100.0	1,000	300	N
2135CM11	N	N	<200	700	N	100.0	500	700	N
2136CM14	N	N	200	300	N	100.0	700	2,000	N
2137CM14	N	N	1,000	500	N	70.0	1,000	200	N
2138CM14	N	N	N	500	N	100.0	2,000	200	N
2139CM14	N	N	<200	500	N	200.0	1,500	200	N
2140CM13	N	N	<200	300	N	70.0	N	500	N
2141CM13	N	N	N	1,000	N	70.0	1,000	500	N
2142CM13	N	N	<200	300	N	150.0	N	700	N
2143CM14	N	N	N	700	N	150.0	1,000	1,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEZ	S-MG%	S-CA%	S-Ti%	S-MN	S-AG	S-AS	S-B	S-BA
2144CM14	38 32 21	112 28 57	50	.70	.70	>2.00	3,000	N	N	30	700
2145CM14	38 30 50	112 27 32	50	.50	.70	>2.00	7,000	N	N	50	300
2146CM14	38 30 59	112 21 36	30	1.50	1.00	>10,000	>10,000	N	700	20	2,000
2147CM14	38 35 17	112 18 20	20	5.00	5.00	>2.00	10,000	N	N	50	300
2148CM14	38 35 25	112 21 35	15	7.00	5.00	1.50	5,000	N	N	<20	700
2149CM14	38 36 59	112 24 5	10	7.00	5.00	1.00	5,000	N	N	<20	700
2150CM13	38 31 59	112 35 2	15	5.00	3.00	>2.00	5,000	N	N	<20	700
2151CM41	38 29 23	112 10 56	3	5.00	7.00	>2.00	3,000	N	N	70	2,000
2152CM41	38 21 54	112 10 54	20	7.00	7.00	>2.00	5,000	N	N	100	300
2153CM41	38 28 53	112 2 18	50	5.00	3.00	>2.00	3,000	N	N	20	300
2154CM41	38 20 58	112 4 34	15	7.00	7.00	1.00	3,000	N	N	<20	500
2155CM41	38 19 19	112 6 17	20	7.00	10.00	1.50	7,000	N	N	<20	700
2156CM44	38 8 20	112 21 11	10	7.00	5.00	.50	5,000	N	N	<20	150
2157CM44	38 9 59	112 28 24	20	3.00	2.00	>2.00	3,000	N	N	<20	300
2158CM44	38 9 32	112 27 32	10	7.00	5.00	1.00	3,000	N	N	<20	70
2160CM44	38 8 55	112 8 56	10	5.00	5.00	1.00	5,000	N	N	<20	700
2163CM44	38 12 20	112 5 50	20	5.00	3.00	>2.00	3,000	N	N	30	300
2164CM44	38 14 45	112 8 18	30	5.00	3.00	>2.00	5,000	N	N	20	500
2165CM44	38 14 17	112 1 3	30	5.00	3.00	>2.00	7,000	N	N	20	300
2301CM41	38 28 41	112 20 36	50	.70	1.50	>2.00	10,000	2.0	N	20	1,000
2302CM41	38 28 30	112 20 49	30	.70	1.50	>2.00	10,000	N	N	20	700
2303CM41	38 28 32	112 20 52	30	.70	1.00	>2.00	7,000	N	N	20	700
2304CM44	38 28 28	112 20 51	20	7.00	5.00	>2.00	5,000	N	N	<20	200
2305CM41	38 27 50	112 22 28	30	1.50	1.50	>2.00	7,000	N	N	20	700
2306CM41	38 27 39	112 22 29	50	1.00	1.00	>2.00	>10,000	2.0	N	20	1,000
2307CM41	38 27 37	112 22 19	30	3.00	2.00	>2.00	7,000	N	N	20	500
2309CM41	38 26 28	112 15 9	50	.30	.70	>2.00	10,000	N	N	20	1,000
2311CM41	38 26 23	112 18 44	50	.70	1.50	>2.00	3,000	N	N	20	500
2313CM41	38 24 58	112 18 37	30	.70	2.00	>2.00	2,000	1.0	N	<20	500
2314CM41	38 25 7	112 19 19	30	1.00	1.50	1.00	3,000	5.0	N	<20	500
2315CM41	38 29 14	112 15 9	30	1.00	1.50	>2.00	>10,000	N	N	30	3,000
2316CM41	38 28 23	112 14 24	20	3.00	3.00	>2.00	>10,000	N	N	30	1,000
2317CM41	38 28 52	112 13 14	30	3.00	3.00	>0	10,000	N	N	70	1,500
2318CM41	38 28 53	112 13 20	20	3.00	3.00	>2.00	>10,000	N	N	50	1,500
2319CM41	38 28 55	112 13 19	20	3.00	3.00	>2.00	>10,000	N	N	70	2,000
2320CM41	38 29 18	112 11 52	50	5.00	5.00	>2.00	7,000	N	N	70	1,000
2321CM41	38 27 6	112 12 26	30	2.00	3.00	>2.00	7,000	N	N	20	700
2322CM41	38 28 20	112 10 55	50	1.00	1.50	>2.00	5,000	1.0	N	20	1,000
2323CM41	38 27 8	112 9 59	20	3.00	5.00	>2.00	5,000	N	N	20	300
2324CM41	38 25 3	112 10 38	7	5.00	5.00	1.50	7,000	N	N	50	500
2325CM41	38 24 14	112 11 20	20	5.00	7.00	2.00	7,000	N	N	30	1,000
2326CM41	38 26 1	112 12 14	10	7.00	7.00	1.00	10,000	N	N	20	1,500
2327CM41	38 23 40	112 19 12	50	.30	1.00	1.00	1,500	2.0	N	<20	200
2329CM41	38 23 25	112 16 23	50	.70	1.00	.70	1,500	50.0	500	30	700
2330CM41	38 21 48	112 17 7	20	.70	1.00	.70	5,000	10.0	1,500	50	700

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CP	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
2144CM14	2.0	N	N	100	100	100	200	50	70	20	70
2145CM14	7.0	N	N	70	500	100	1,000	10	300	70	200
2146CM14	30.0	N	N	100	100	70	300	100	100	30	1,000
2147CM14	3.0	N	N	70	300	50	1,000	10	150	70	100
2148CM14	<2.0	N	N	70	200	30	70	N	<50	70	20
2149CM14	2.0	N	N	70	150	20	50	N	<50	70	20
2150CM13	<2.0	N	N	70	200	30	200	N	100	100	30
2151CM41	3.0	N	N	15	1,000	50	700	20	300	100	200
2152CM41	2.0	N	N	100	700	100	200	7	<50	100	50
2153CM41	N	N	N	100	1,000	100	100	N	50	100	50
2154CM41	N	N	N	70	500	50	N	N	N	70	20
2155CM41	N	N	N	100	500	50	150	N	N	100	50
2156CM44	N	N	N	70	150	20	50	N	N	50	N
2157CM44	N	N	N	100	150	100	50	N	<50	30	30
2158CM44	N	N	N	50	150	30	150	N	N	20	20
2160CM44	N	N	N	70	150	20	100	N	N	70	30
2163CM44	<2.0	N	N	50	50	15	150	N	N	N	30
2164CM44	<1.0	N	N	100	500	70	300	7	<50	100	50
2165CM44	<1.0	N	N	100	300	100	500	10	70	50	50
2301CM41	50.0	N	N	70	200	150	200	10	100	50	150
2302CM41	20.0	N	N	70	300	150	300	20	100	50	500
2303CM41	15.0	N	N	150	500	100	300	20	150	100	500
2304CM44	2.0	N	N	100	300	50	500	N	<50	50	30
2305CM41	10.0	N	N	100	1,000	50	300	7	70	100	300
2306CM41	50.0	N	N	70	1,000	100	500	70	70	150	2,000
2307CM41	7.0	N	N	70	3,000	50	300	7	<50	100	500
2309CM41	10.0	N	N	150	300	150	300	7	70	70	300
2311CM41	<2.0	N	N	100	1,000	70	300	N	<50	70	200
2313CM41	5.0	N	N	70	300	100	150	7	<50	50	200
2314CM41	5.0	N	N	100	500	150	300	7	<50	70	500
2315CM41	5.0	N	N	70	200	20	2,000	20	500	20	500
2316CM41	5.0	N	N	70	500	100	300	20	1,000	70	700
2317CM41	7.0	N	N	50	500	150	500	30	70	100	300
2318CM41	5.0	N	N	100	500	100	500	20	70	70	150
2319CM41	10.0	N	N	100	300	150	500	70	70	150	300
2320CM41	7.0	N	N	100	500	150	200	15	50	100	300
2321CM41	3.0	N	N	100	300	150	200	N	<50	70	200
2322CM41	5.0	N	N	70	200	100	200	15	50	20	150
2323CM41	3.0	N	N	100	500	50	100	7	50	100	50
2324CM41	2.0	N	N	70	500	50	300	7	<50	150	50
2325CM41	<2.0	N	N	100	1,000	150	200	7	<50	100	100
2326CM41	2.0	N	N	100	700	70	200	15	<50	150	100
2327CM41	3.0	N	N	100	500	200	200	N	<50	100	300
2328CM41	7.0	N	N	100	150	1,000	150	50	<50	150	500
2330CM41	10.0	N	N	100	150	150	150	7	<50	70	500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
2144CM14	N	N	<200	1,000	N	70.0	700	500	N
2145CM14	N	N	<200	1,000	N	150.0	500	700	150
2146CM14	N	N	500	500	N	150.0	1,500	700	N
2147CM14	N	N	<200	300	N	150.0	500	500	N
2148CM14	N	N	<200	700	N	150.0	500	500	N
2149CM14	N	N	200	300	N	150.0	N	500	N
2150CM13	N	N	N	500	N	100.0	N	300	N
2151CM41	100	N	200	200	N	700.0	N	>2,000	500
2152CM41	N	N	200	500	N	70.0	N	200	N
2153CM41	N	N	N	1,500	N	70.0	500	500	N
2154CM41	N	N	300	500	N	70.0	N	200	N
2155CM41	N	N	200	500	N	100.0	500	300	N
2156CM44	N	N	<200	100	N	70.0	N	150	N
2157CM44	N	N	500	700	N	70.0	700	200	N
2158CM44	N	N	N	500	N	70.0	N	100	N
2160CM44	N	N	200	300	N	100.0	N	150	N
2163CM44	N	N	200	700	N	70.0	300	300	N
2164CM44	N	N	<200	700	N	100.0	500	500	N
2165CM44	N	N	200	500	N	100.0	700	500	N
2301CM41	N	N	700	500	N	100.0	500	300	N
2302CM41	N	N	500	700	N	100.0	N	1,000	N
2303CM41	N	N	500	700	N	100.0	300	500	N
2304CM44	N	N	<200	700	N	100.0	300	300	N
2305CM41	N	N	200	1,000	N	70.0	700	700	N
2306CM41	N	N	500	1,000	N	150.0	500	500	N
2307CM41	N	N	300	1,000	N	70.0	300	1,000	N
2309CM41	N	N	700	700	N	150.0	500	500	N
2311CM41	N	N	<200	1,500	N	100.0	500	500	N
2313CM41	N	N	1,000	700	N	150.0	500	1,000	N
2314CM41	N	N	300	700	N	70.0	300	700	N
2315CM41	N	50	<200	500	N	500.0	1,000	>2,000	N
2316CM41	N	70	200	500	N	200.0	1,000	500	150
2317CM41	N	N	700	700	N	150.0	300	1,000	N
2318CM41	N	N	700	500	N	150.0	N	1,500	N
2319CM41	N	N	700	700	N	200.0	N	2,000	N
2320CM41	N	N	300	1,000	N	200.0	N	500	N
2321CM41	N	N	500	1,000	N	70.0	N	700	N
2322CM41	N	N	<200	1,000	N	100.0	500	300	N
2323CM41	N	N	<200	700	N	70.0	300	300	N
2324CM41	N	N	200	300	N	100.0	N	300	N
2325CM41	N	N	200	700	N	70.0	300	200	N
2326CM41	N	N	500	500	N	100.0	N	300	N
2327CM41	N	N	<200	700	N	70.0	N	500	N
2329CM41	N	N	300	300	N	100.0	N	500	N
2330CM41	N	N	200	500	N	100.0	700	300	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

SAMPLE	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
2332CM41	38 21 51	112 19 37	50	.50	.70	>2.00	1,500	N	N	20	300
2333CM41	38 20 59	112 18 58	50	1.00	1.50	>2.00	3,000	N	N	20	1,500
2334CM41	38 22 10	112 15 29	50	.70	.70	.70	2,000	70.0	2,000	30	2,000
2335CM41	38 15 59	112 15 36	50	1.00	2.00	>2.00	3,000	2.0	N	20	500
2337CM41	38 17 43	112 15 41	10	7.00	5.00	1.50	3,000	N	N	<20	150
2339CM41	38 16 16	112 17 39	7	7.00	3.00	1.00	2,000	N	N	<20	200
2340CM41	38 18 17	112 17 38	10	3.00	3.00	1.00	2,000	N	N	<20	300
2343CM44	38 14 37	112 19 44	15	10.00	5.00	1.00	3,000	N	N	<20	200
2345CM42	38 16 37	112 31 31	30	3.00	2.00	>2.00	7,000	N	N	30	1,000
2346CM42	38 17 13	112 31 8	30	2.00	1.50	>2.00	7,000	N	N	20	1,000
2347CM42	38 20 26	112 31 19	20	5.00	3.00	>2.00	3,000	N	N	20	700
2348CM42	38 20 58	112 31 5	50	.50	.70	>2.00	2,000	N	N	30	100
2349CM41	38 20 31	112 29 22	30	.70	.70	>2.00	2,000	N	N	30	500
2350CM41	38 20 42	112 28 54	30	.50	.50	>2.00	2,000	N	N	20	500
2351CM41	38 20 35	112 28 54	30	5.00	5.00	>2.00	3,000	N	N	20	1,500
2352CM41	38 21 1	112 28 16	20	7.00	5.00	2.00	2,000	N	N	30	500
2353CM41	38 20 59	112 28 23	30	.50	.50	>2.00	2,000	N	N	50	1,500
2354CM41	38 21 17	112 27 58	30	.70	1.00	>2.00	3,000	N	N	50	1,000
2355CM41	38 21 4	112 27 6	30	3.00	3.00	>2.00	3,000	N	N	20	700
2356CM41	38 21 3	112 27 7	20	2.00	3.00	>2.00	3,000	N	N	20	300
2358CM44	38 0 53	112 19 36	20	3.00	3.00	2.00	7,000	N	N	<20	500
2360CM44	38 1 1	112 13 55	15	5.00	5.00	2.00	7,000	N	N	<20	1,000
2361CM44	38 2 10	112 20 47	15	7.00	5.00	2.00	5,000	N	N	50	700
2363CM44	38 6 16	112 20 15	10	7.00	5.00	1.00	3,000	N	N	<20	200
2364CM44	38 6 32	112 16 55	20	7.00	5.00	>2.00	5,000	N	N	<20	200
2365CM44	38 5 41	112 17 25	30	5.00	3.00	>2.00	5,000	N	N	30	200
2366CM44	38 4 33	112 17 35	15	5.00	5.00	2.00	7,000	N	N	<20	1,000
2367CM44	38 4 8	112 16 40	30	5.00	3.00	>2.00	5,000	N	N	<20	300
2368CM44	38 5 22	112 15 37	20	7.00	3.00	>2.00	7,000	N	N	30	300
2369CM44	38 2 32	112 18 15	15	7.00	7.00	1.50	7,000	N	N	20	500
2370CM44	38 2 33	112 18 15	15	7.00	3.00	1.50	3,000	N	N	20	200
2371CM44	38 2 21	112 18 25	15	7.00	5.00	1.50	5,000	N	N	<20	300
2372CM44	38 2 17	112 16 20	15	3.00	3.00	2.00	3,000	N	N	<20	300
2373CM44	38 0 24	112 15 55	15	5.00	5.00	1.50	5,000	N	N	<20	300
2375CM42	38 29 20	112 32 7	50	1.00	1.50	>2.00	5,000	N	N	<20	300
2376CM42	38 29 21	112 32 13	30	2.00	1.50	>2.00	5,000	N	N	<20	700
2377CM42	38 28 2	112 31 43	50	1.50	1.50	>2.00	5,000	N	N	20	300
2378CM42	38 27 59	112 31 43	30	1.00	1.00	>2.00	3,000	N	N	20	1,000
2379CM42	38 28 41	112 30 9	30	1.00	.70	>2.00	>10,000	N	N	20	100
2380CM42	38 28 37	112 30 8	50	.50	.50	>2.00	>10,000	N	N	20	200
2382CM41	38 28 51	112 28 3	50	.70	.50	>2.00	>10,000	N	N	<20	300
2383CM41	38 28 45	112 28 15	50	1.00	.30	>2.00	>10,000	N	N	<20	300
2384CM41	38 28 40	112 28 21	50	1.00	1.50	>2.00	>10,000	N	N	<20	200
2385CM41	38 28 1	112 28 11	50	.70	5.00	>2.00	>10,000	N	N	<20	700
2386CM41	38 27 58	112 28 11	30	2.00	1.50	>2.00	>10,000	N	N	<20	1,500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-BE	S-BI	S-CD	S-CO	S-CF	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
2332CM41	<2.0	N	N	70	500	100	150	N	N	70	150
2333CM41	5.0	N	N	100	700	100	300	N	<50	50	300
2334CM41	20.0	N	N	100	300	500	100	10	N	300	700
2336CM41	20.0	N	N	70	300	200	300	30	70	20	300
2337CM41	<2.0	N	N	70	500	30	100	N	N	200	30
2339CM41	<2.0	N	N	70	700	50	70	N	N	500	<20
2340CM41	2.0	N	N	70	1,000	50	50	N	<50	300	50
2343CM44	N	N	N	100	300	50	N	N	100	100	20
2345CM42	2.0	N	N	100	150	100	500	10	100	50	50
2346CM42	2.0	N	N	100	150	100	500	20	200	20	70
2347CM42	5.0	N	N	70	700	100	300	15	70	50	100
2348CM42	3.0	N	N	70	200	20	150	50	70	N	100
2349CM41	5.0	N	N	70	300	70	150	70	70	N	150
2350CM41	3.0	N	N	100	150	20	50	10	<50	30	100
2351CM41	7.0	N	N	100	700	150	150	10	<50	100	150
2352CM41	5.0	N	N	50	500	100	100	7	<50	70	50
2353CM41	15.0	N	N	50	100	100	200	20	70	30	200
2354CM41	15.0	N	N	100	150	150	200	20	70	30	300
2355CM41	3.0	N	N	100	300	100	100	N	50	50	70
2356CM41	3.0	N	N	100	500	100	150	N	<50	70	50
2358CM44	<2.0	N	N	70	200	50	200	N	<50	20	20
2360CM44	<2.0	N	N	70	150	30	50	7	N	20	30
2361CM44	N	N	N	70	200	30	500	N	<50	70	70
2363CM44	N	N	N	70	300	20	200	N	N	70	20
2364CM44	N	N	N	50	150	30	200	N	N	20	30
2365CM44	<2.0	N	N	70	150	70	500	N	<50	20	20
2366CM44	N	N	N	100	70	70	N	7	N	N	20
2367CM44	N	N	N	100	50	30	100	N	<50	N	20
2368CM44	<2.0	N	N	50	100	50	200	N	<50	N	30
2369CM44	N	N	N	70	300	30	300	N	N	50	50
2370CM44	N	N	N	70	300	30	300	N	<50	50	20
2371CM44	<2.0	N	N	70	200	30	200	N	<50	50	20
2372CM44	<2.0	N	N	50	30	30	50	N	N	N	30
2373CM44	<2.0	N	N	50	70	20	N	N	N	20	20
2375CM42	N	N	N	150	500	150	150	N	100	70	50
2376CM42	<2.0	N	N	100	500	150	150	N	150	70	70
2377CM42	<2.0	N	N	100	300	100	150	N	70	50	100
2378CM42	2.0	N	N	70	300	150	200	N	50	20	100
2379CM42	3.0	N	N	15	100	50	500	70	>5,000	N	100
2380CM42	3.0	N	N	20	150	20	150	20	>5,000	N	150
2382CM41	3.0	N	N	50	300	30	500	15	1,000	30	150
2383CM41	5.0	N	N	30	200	50	300	15	1,500	50	100
2384CM41	3.0	N	N	30	150	30	200	20	1,500	20	150
2385CM41	10.0	N	N	30	500	20	300	30	500	70	2,000
2386CM41	50.0	N	N	50	300	50	500	20	500	50	1,500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
2332CM41	N	N	<200	1,000	N	70.0	N	700	N
2333CM41	N	N	200	700	N	70.0	300	500	N
2334CM41	N	N	200	300	N	150.0	500	200	N
2336CM41	N	N	300	700	N	70.0	N	500	N
2337CM41	N	N	300	500	N	70.0	N	100	N
2339CM41	N	N	500	200	N	70.0	N	300	N
2340CM41	N	N	300	500	N	70.0	N	150	N
2343CM44	N	N	300	500	N	70.0	N	300	N
2345CM42	N	N	200	500	N	150.0	700	2,000	N
2346CM42	N	N	<200	500	N	200.0	700	2,000	N
2347CM42	N	N	200	500	N	100.0	N	1,000	N
2348CM42	N	N	N	1,000	N	150.0	N	1,500	N
2349CM41	N	N	<200	700	N	150.0	500	1,000	N
2350CM41	N	N	<200	700	N	50.0	N	150	N
2351CM41	N	N	300	1,000	N	70.0	N	100	N
2352CM41	N	N	300	500	N	100.0	N	300	N
2353CM41	N	N	200	500	2,000	100.0	500	700	N
2354CM41	N	N	200	500	200	100.0	500	500	N
2355CM41	N	N	200	700	N	70.0	N	300	N
2356CM41	N	N	<200	1,000	N	70.0	N	200	N
2358CM44	N	N	200	500	N	100.0	N	300	N
2360CM44	N	N	300	500	N	70.0	N	150	N
2361CM44	N	N	<200	300	N	150.0	N	500	N
2363CM44	N	N	200	200	N	70.0	N	500	N
2364CM44	N	N	200	500	N	70.0	N	700	N
2365CM44	N	N	N	700	N	100.0	500	300	N
2365CM44	N	N	300	700	N	70.0	300	50	N
2367CM44	N	N	N	700	N	70.0	1,000	200	N
2368CM44	N	N	300	500	N	150.0	300	500	N
2369CM44	N	N	200	500	N	70.0	N	200	N
2370CM44	N	N	<200	300	N	70.0	N	300	N
2371CM44	N	N	300	500	N	100.0	N	300	N
2372CM44	N	N	300	500	N	70.0	500	100	N
2373CM44	N	N	200	500	N	70.0	N	300	N
2375CM42	N	N	N	500	N	70.0	500	1,000	N
2376CM42	N	N	N	500	N	100.0	500	700	N
2377CM42	N	N	N	700	N	100.0	500	1,000	N
2378CM42	N	N	<200	700	N	70.0	300	700	N
2379CM42	N	300	N	150	N	150.0	2,000	700	N
2380CM42	N	300	N	200	N	150.0	1,500	700	N
2382CM41	N	200	N	300	N	300.0	2,000	1,000	N
2383CM41	N	150	N	300	N	200.0	2,000	2,000	N
2384CM41	N	300	<200	300	N	200.0	1,000	2,000	N
2385CM41	N	150	N	500	N	500.0	1,500	>2,000	N
2386CM41	N	50	700	300	N	300.0	1,000	2,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUD	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
2387CM41	38 28 2	112 25 18	30	.70	1.00	>2.00	1,500	1.5	N	50	500
2388CM41	38 21 56	112 28 59	30	.70	1.00	1.00	1,500	N	N	20	2,000
2389CM41	38 23 27	112 25 29	50	.70	1.00	>2.00	5,000	N	N	150	700
2390CM41	38 22 54	112 26 39	30	.70	.70	>2.00	10,000	N	N	30	700
2391CM41	38 24 28	112 24 51	20	.50	.50	.50	>10,000	2.0	N	<20	1,000
2392CM41	38 26 29	112 26 36	20	3.00	2.00	1.50	>10,000	N	N	<20	1,000
2393CM41	38 27 5	112 22 40	50	1.00	1.50	>2.00	7,000	N	N	20	500
2394CM41	38 27 29	112 19 2	30	1.50	2.00	>2.00	3,000	N	N	70	300
2395CM41	38 28 31	112 17 45	30	.50	.70	>2.00	>10,000	N	N	20	500
2396CM42	38 29 29	112 35 55	30	1.50	2.00	>2.00	7,000	N	N	<20	700
2397CM42	38 29 32	112 35 52	50	1.50	2.00	>2.00	5,000	N	N	<20	700
2398CM42	38 29 36	112 35 56	20	5.00	3.00	>2.00	5,000	N	N	<20	2,000
2399CM41	38 18 18	112 6 44	20	3.00	3.00	>2.00	7,000	N	N	50	1,500
2400CM41	38 17 12	112 6 11	20	5.00	5.00	>2.00	5,000	N	N	<20	300
2401CM41	38 16 15	112 6 40	20	5.00	5.00	2.00	5,000	N	N	150	1,000
2403CM41	38 15 53	112 4 5	10	5.00	3.00	1.50	3,000	N	N	<20	200
2404CM41	38 15 51	112 4 7	15	7.00	5.00	2.00	5,000	N	N	N	500
2405CM41	38 16 14	112 3 57	20	5.00	5.00	>2.00	3,000	N	N	<20	300
2406CM11	38 51 4	112 15 30	30	15.00	1.00	1.00	3,000	N	N	100	300
2408CM11	38 51 18	112 16 34	30	7.00	.70	>2.00	3,000	N	N	200	500
2409CM11	38 51 45	112 21 8	20	20.00	1.00	1.00	5,000	N	N	200	150
2410CM11	38 49 41	112 16 40	30	5.00	.70	>2.00	5,000	N	N	150	500
2411CM11	38 49 42	112 16 38	30	7.00	.70	>2.00	5,000	N	N	200	300
2412CM11	38 49 33	112 16 29	50	7.00	.50	>2.00	1,500	N	N	150	70
2413CM11	38 49 27	112 19 4	20	10.00	.70	1.00	2,000	N	N	100	300
2415CM11	38 47 53	112 22 26	20	15.00	1.00	.70	2,000	N	N	100	150
2416CM11	38 47 59	112 19 51	30	2.00	.30	.70	1,500	N	N	100	300
2417CM11	38 48 8	112 17 6	50	2.00	.70	>2.00	2,000	N	N	150	150
2418CM11	38 47 52	112 15 16	30	5.00	.50	>2.00	1,500	N	N	200	150
2419CM11	38 45 17	112 16 44	30	1.00	.50	>2.00	3,000	N	N	200	500
2421CM41	38 46 30	112 19 14	30	5.00	.50	.50	5,000	N	N	700	1,500
2422CM13	38 39 25	112 31 11	30	1.50	1.50	1.50	7,000	N	N	50	1,500
2423CM13	38 36 54	112 30 54	20	5.00	3.00	>2.00	10,000	N	N	<20	1,000
2424CM14	38 32 22	112 20 22	30	3.00	5.00	2.00	5,000	N	N	<20	1,000
2425CM14	38 39 32	112 2 16	10	7.00	5.00	1.00	5,000	N	N	<20	150
2426CM14	38 38 14	112 5 1	30	3.00	3.00	>2.00	>10,000	N	N	<20	3,000
2427CM14	38 35 33	112 3 21	50	1.50	3.00	>2.00	7,000	N	N	150	1,000
2428CM14	38 34 41	112 3 22	30	2.00	2.00	>2.00	5,000	N	N	70	1,000
2429CM14	38 34 48	112 3 3	30	2.00	1.50	2.00	1,500	N	N	100	1,500
2430CM14	38 32 43	112 2 0	15	7.00	5.00	>2.00	5,000	N	N	100	700
2431CM14	38 30 52	112 6 20	30	2.00	2.00	>2.00	5,000	N	N	<20	300
2432CM14	38 30 28	112 4 37	15	7.00	5.00	1.50	5,000	N	N	<20	200
2433CM14	38 32 58	112 6 44	50	.30	1.00	>2.00	1,500	N	N	20	200
2434CM41	38 27 11	112 27 21	30	.70	1.00	1.50	>10,000	N	N	20	1,500
2435CM41	38 27 1	112 27 20	30	.70	1.00	>2.00	>10,000	N	N	100	1,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
2387CM41	7.0	N	N	50	150	70	300	10	70	N	150
2388CM41	15.0	N	N	15	100	100	300	100	50	30	300
2389CM41	7.0	N	N	100	500	50	200	N	<50	30	300
2390CM41	15.0	N	N	70	200	150	300	50	50	50	500
2391CM41	30.0	N	N	<10	20	30	300	150	200	N	3,000
2392CM41	20.0	N	N	30	500	30	1,000	70	200	70	1,500
2393CM41	10.0	N	N	50	500	50	300	10	50	50	500
2394CM41	2.0	N	N	70	300	70	200	N	<50	70	150
2395CM41	7.0	N	N	30	100	20	500	10	500	N	500
2396CM42	<2.0	N	N	100	500	150	500	7	200	100	100
2397CM42	N	N	N	150	500	150	150	N	70	70	100
2398CM42	<2.0	N	N	100	300	70	200	N	<50	100	70
2399CM41	5.0	N	N	70	300	50	200	N	<50	30	150
2400CM41	<2.0	N	N	100	500	70	500	7	<50	150	30
2401CM41	<2.0	N	N	100	300	70	100	N	N	100	30
2403CM41	N	N	N	50	1,000	50	200	N	<50	200	20
2404CM41	<2.0	N	N	70	700	30	100	N	50	300	20
2405CM41	<2.0	N	N	70	500	30	200	7	<50	100	30
2406CM11	3.0	N	N	150	700	100	50	10	<50	1,000	150
2408CM11	5.0	N	N	150	300	150	50	7	50	700	200
2409CM11	N	N	N	150	500	30	200	N	<50	1,000	50
2410CM11	7.0	N	N	70	300	70	50	7	70	500	150
2411CM11	3.0	N	N	100	300	100	N	15	70	150	150
2412CM11	<2.0	N	N	100	500	10	N	N	70	300	100
2413CM11	7.0	N	N	150	300	70	50	7	<50	700	100
2415CM11	<2.0	N	N	150	1,000	50	200	N	<50	1,000	70
2416CM11	7.0	N	N	70	150	100	150	N	<50	300	150
2417CM11	2.0	N	N	30	300	30	N	7	70	150	100
2418CM11	2.0	N	N	70	300	20	50	10	100	150	150
2419CM11	7.0	N	N	50	150	50	N	7	70	100	150
2421CM41	7.0	N	N	100	150	150	100	7	<50	500	200
2422CM13	5.0	N	N	70	200	150	500	15	50	150	300
2423CM13	<2.0	N	N	100	700	100	300	N	<50	200	70
2424CM14	<2.0	N	N	100	500	100	200	15	<50	70	100
2425CM14	N	N	N	70	150	50	N	N	N	70	30
2426CM14	<2.0	N	N	70	200	100	150	N	N	50	150
2427CM14	5.0	N	N	70	200	150	100	N	N	30	100
2428CM14	5.0	N	N	100	500	150	150	20	70	70	100
2429CM14	3.0	N	N	50	150	200	100	N	<50	20	50
2430CM14	2.0	N	N	70	300	50	100	15	<50	70	50
2431CM14	2.0	N	N	70	700	100	100	7	50	100	100
2432CM14	<2.0	N	N	50	700	30	100	30	<50	100	30
2433CM14	<2.0	N	N	100	500	100	200	7	50	70	100
2434CM41	50.0	N	N	30	70	50	300	150	200	N	2,000
2435CM41	50.0	N	N	10	50	20	200	100	1,000	N	1,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SW	S-SR	S-V	S-W	S-Y	S-ZR	S-TH
2387CM41	N	N	300	700	N	70.0	300	N
2388CM41	N	N	700	300	N	150.0	500	200
2390CM41	N	N	<200	1,500	N	70.0	N	N
2390CM41	N	N	200	700	N	150.0	200	N
2391CM41	N	N	700	100	N	200.0	500	N
2392CM41	N	N	200	300	N	200.0	700	N
2393CM41	N	N	<200	700	N	70.0	500	N
2394CM41	N	N	<200	700	N	70.0	300	N
2395CM41	N	70	N	500	N	200.0	700	N
2396CM42	N	N	N	500	N	150.0	700	N
2397CM42	N	N	200	700	N	70.0	500	N
2398CM42	N	N	<200	500	N	100.0	500	N
2399CM41	N	N	500	700	N	70.0	300	N
2400CM41	N	N	200	700	N	70.0	700	N
2401CM41	N	N	300	500	N	100.0	200	N
2403CM41	N	N	500	500	N	70.0	70	N
2404CM41	N	N	500	500	N	70.0	300	N
2405CM41	N	N	200	700	N	100.0	200	N
2406CM11	N	N	N	500	N	50.0	300	N
2406CM11	N	N	<200	500	N	70.0	700	N
2409CM11	N	N	N	300	N	50.0	700	N
2410CM11	N	N	N	700	N	70.0	300	N
2411CM11	N	N	N	700	N	50.0	500	N
2412CM11	N	N	N	700	N	70.0	300	N
2413CM11	N	N	<200	300	N	70.0	700	N
2415CM11	N	N	N	300	N	50.0	1,000	N
2416CM11	N	N	300	300	N	150.0	1,500	N
2417CM11	N	N	N	700	N	70.0	300	N
2418CM11	N	N	200	500	N	70.0	700	N
2419CM11	N	N	300	700	N	200.0	700	N
2421CM41	N	N	200	200	N	150.0	500	N
2422CM13	N	N	N	500	N	100.0	300	N
2423CM13	N	N	<200	700	N	100.0	700	N
2424CM14	N	N	<200	500	N	150.0	500	N
2425CM14	N	N	N	300	N	70.0	100	N
2426CM14	N	N	700	1,000	N	150.0	100	N
2427CM14	N	N	500	1,000	N	70.0	70	N
2428CM14	N	N	200	700	N	100.0	300	N
2429CM14	N	N	1,500	500	N	70.0	700	N
2430CM14	N	N	200	500	N	100.0	300	N
2431CM14	N	N	<200	1,000	N	100.0	700	N
2432CM14	N	N	200	500	N	100.0	500	N
2433CM14	N	N	N	700	N	50.0	200	N
2434CM41	N	200	300	200	N	200.0	500	N
2435CM41	N	150	300	100	N	700.0	2,000	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FEZ	S-MGZ	S-CAZ	S-TXZ	S-MN	S-AG	S-AS	S-B	S-BA
2436CM41	38 24 27	112 21 6	30	.50	1.00	>2.00	1,000	1.0	N	<20	300
2437CM41	38 23 41	112 22 1	50	.50	1.00	>2.00	1,500	N	N	<20	200
2438CM41	38 21 41	112 21 6	50	1.00	1.50	>2.00	5,000	N	N	<20	700
2439CM41	38 19 28	112 19 32	20	2.00	3.00	>2.00	3,000	N	N	<20	500
2440CM41	38 19 57	112 17 40	50	1.00	1.00	>2.00	2,000	N	N	<20	500
2441CM41	38 19 57	112 15 2	30	.50	1.00	>2.00	2,000	N	N	20	300
2442CM41	38 18 53	112 16 6	30	1.00	1.50	>2.00	2,000	N	N	<20	500
2443CM41	38 16 51	112 19 12	7	7.00	5.00	1.00	5,000	N	N	<20	500
2444CM41	38 17 58	112 20 19	20	7.00	7.00	1.50	5,000	N	N	N	1,500
2445CM41	38 16 24	112 23 42	10	7.00	5.00	1.50	3,000	N	N	<20	100
2446CM14	38 32 55	112 15 53	20	3.00	3.00	>2.00	>10,000	N	N	<20	3,000
2447CM44	38 6 30	112 0 55	20	5.00	3.00	>2.00	5,000	N	N	50	300
2448CM44	38 5 25	112 2 45	15	7.00	5.00	1.50	7,000	N	N	<20	1,500
2449CM44	38 0 31	112 2 29	20	5.00	3.00	>2.00	5,000	N	N	50	200
2450CM44	38 1 7	112 0 28	20	5.00	3.00	2.00	7,000	N	N	50	200
2451CM44	38 2 17	112 2 32	20	5.00	3.00	>2.00	5,000	N	N	20	150
2452CM44	38 2 22	112 2 1	10	3.00	3.00	1.50	7,000	N	N	20	200
2453CM44	38 2 20	112 2 1	30	10.00	10.00	>2.00	7,000	N	N	30	300
2454CM44	38 3 24	112 2 51	20	15.00	1.50	1.50	2,000	N	N	<20	150
2455CM44	38 2 49	112 6 16	30	3.00	3.00	>2.00	5,000	N	N	<20	150
2456CM44	38 4 7	112 0 17	15	5.00	3.00	2.00	5,000	N	N	<20	300
2457CM44	38 4 59	112 4 49	20	7.00	5.00	>2.00	7,000	N	N	50	200
2459CM44	38 4 32	112 8 20	30	3.00	3.00	>2.00	5,000	N	N	20	500
2464CM44	38 6 33	112 21 42	10	7.00	5.00	1.00	3,000	N	N	<20	100
2466CM44	38 7 3	112 14 18	15	5.00	5.00	1.50	5,000	N	N	<20	700
2467CM44	38 7 26	112 14 12	10	5.00	3.00	1.50	3,000	N	N	20	200
2468CM44	38 7 27	112 14 10	15	5.00	3.00	2.00	5,000	N	N	20	300
2469CM41	38 15 32	112 18 21	10	10.00	7.00	1.00	3,000	N	N	<20	150
2601CM14	38 40 42	112 16 15	15	5.00	3.00	2.00	7,000	N	N	<20	1,000
2602CM11	38 48 56	112 6 35	20	15.00	1.50	2.00	3,000	N	N	2,000	150
2603CM11	38 50 12	112 6 47	20	7.00	2.00	>2.00	3,000	N	N	5,000	500
2605CM11	38 50 2	112 3 6	20	5.00	2.00	2.00	2,000	1.0	2,000	200	2,000
2606CM11	38 51 37	112 5 59	30	3.00	2.00	>2.00	2,000	N	N	3,000	200
2607CM11	38 52 0	112 6 45	30	.50	1.00	>2.00	1,000	N	N	3,000	>10,000
2608CM11	38 52 2	112 10 3	20	2.00	2.00	2.00	3,000	N	N	2,000	200
2609CM11	38 52 10	112 10 20	30	5.00	1.50	>2.00	2,000	N	N	5,000	150
2610CM11	38 49 54	112 8 49	15	15.00	1.50	.50	2,000	N	N	200	100
2611CM11	38 45 19	112 8 34	20	2.00	1.00	.70	>10,000	N	N	100	700
2612CM11	38 45 24	112 11 40	30	1.00	1.50	2.00	7,000	10.0	1,000	100	1,000
2613CM11	38 47 6	112 14 8	50	5.00	.50	>2.00	2,000	N	N	500	200
2614CM11	38 47 59	112 10 42	20	7.00	1.00	>2.00	5,000	N	N	5,000	1,500
2615CM11	38 50 20	112 11 4	20	10.00	1.50	>2.00	2,000	N	N	2,000	200
2616CM11	38 53 50	112 11 54	30	10.00	1.00	>2.00	2,000	N	N	300	150
2617CM11	38 53 22	112 13 11	30	7.00	1.00	1.00	7,000	N	N	200	300
2619CM11	38 54 58	112 0 19	20	2.00	1.00	>2.00	10,000	N	N	300	200

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
2436CM41	<2.0	N	N	100	1,000	100	150	N	<50	100	200
2437CM41	<2.0	N	N	70	700	50	150	N	<50	70	200
2438CM41	<2.0	N	N	100	700	50	300	N	50	100	150
2439CM41	<2.0	N	N	100	300	100	150	N	<50	70	150
2440CM41	<2.0	N	N	100	500	70	300	N	N	70	200
2441CM41	<2.0	N	N	50	500	70	500	N	70	30	200
2442CM41	<2.0	N	N	100	500	50	200	N	50	70	100
2443CM41	<2.0	N	N	70	1,000	70	50	N	N	300	30
2444CM41	<2.0	N	N	100	1,000	70	100	N	N	300	50
2445CM41	N	N	N	70	700	30	50	N	N	100	20
2446CM14	<2.0	N	N	150	150	100	150	N	<50	20	150
2447CM44	N	N	N	100	500	70	500	N	<50	300	20
2448CM44	N	N	N	150	500	50	2,000	7	N	200	150
2449CM44	N	N	N	100	300	30	1,000	N	50	70	20
2450CM44	<2.0	N	N	70	200	30	1,000	7	50	50	30
2451CM44	N	N	N	70	200	50	700	N	<50	70	20
2452CM44	<2.0	N	N	50	150	30	300	N	N	30	20
2453CM44	<2.0	N	N	100	500	70	500	7	50	70	30
2454CM44	N	N	N	150	700	30	300	N	N	1,000	20
2455CM44	N	N	N	70	150	50	1,000	N	50	30	20
2456CM44	<2.0	N	N	70	200	70	700	N	<50	70	50
2457CM44	N	N	N	100	200	30	700	N	50	30	20
2459CM44	<2.0	N	N	100	150	70	700	N	<50	50	30
2464CM44	N	N	N	70	200	30	150	N	N	50	N
2466CM44	N	N	N	50	50	50	50	N	N	N	20
2457CM44	N	N	N	50	50	30	300	N	N	N	20
2465CM44	<2.0	N	N	50	100	30	50	N	<50	20	20
2469CM41	N	N	N	100	500	30	100	N	N	100	20
2621CM14	<2.0	N	N	100	300	70	150	N	<50	100	70
2632CM11	<2.0	N	N	100	700	30	100	N	50	700	20
2603CM11	2.0	N	N	70	700	50	70	N	70	500	150
2605CM11	2.0	N	N	100	150	150	100	20	50	300	150
2606CM11	2.0	N	N	50	500	50	150	N	70	200	100
2607CM11	<2.0	N	N	20	500	15	N	7	70	50	100
2608CM11	<2.0	N	N	70	200	30	70	N	50	150	70
2609CM11	<2.0	N	N	70	1,000	20	N	N	100	300	70
2610CM11	N	N	N	150	700	10	N	N	N	1,000	<20
2611CM11	N	N	N	50	500	50	300	15	<50	20	50
2612CM11	<2.0	N	N	50	300	150	500	70	50	100	300
2613CM11	N	N	N	70	700	20	N	7	70	300	100
2614CM11	2.0	N	N	150	1,000	70	50	N	70	500	100
2615CM11	2.0	N	N	150	1,000	30	100	N	70	700	70
2616CM11	<2.0	N	N	100	700	50	N	7	50	1,000	50
2617CM11	7.0	N	N	100	300	50	N	N	50	500	150
2619CM11	<2.0	N	N	50	300	30	1,500	N	50	50	150

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
2436CM41	N	N	N	1,000	N	50.0	500	200	N
2437CM41	N	N	N	1,000	N	70.0	500	700	N
2438CM41	N	N	200	700	N	100.0	500	500	N
2439CM41	N	N	200	500	N	70.0	N	500	N
2440CM41	N	N	200	1,000	N	100.0	500	700	N
2441CM41	N	N	<200	700	N	100.0	N	700	N
2442CM41	N	N	200	500	N	70.0	500	500	N
2443CM41	N	N	500	300	N	70.0	N	100	N
2444CM41	N	N	700	700	N	70.0	N	200	N
2445CM41	N	N	200	700	N	50.0	N	70	N
2446CM14	N	N	300	700	N	100.0	N	200	N
2447CM44	N	N	<200	500	N	70.0	N	300	N
2448CM44	N	N	200	300	N	150.0	N	200	150
2449CM44	N	N	200	500	N	150.0	300	1,000	N
2450CM44	N	N	200	300	N	150.0	300	700	N
2451CM44	N	N	<200	500	N	100.0	N	300	N
2452CM44	N	N	300	300	N	70.0	300	150	N
2453CM44	N	N	300	700	N	150.0	N	500	N
2454CM44	N	N	N	500	N	30.0	N	70	N
2455CM44	N	N	200	500	N	100.0	500	300	N
2456CM44	N	N	200	500	N	100.0	N	200	N
2457CM44	N	N	N	500	N	150.0	700	2,000	N
2459CM44	N	N	<200	500	N	150.0	1,000	500	N
2460CM44	N	N	N	300	N	70.0	N	100	N
2461CM14	N	N	700	500	N	70.0	N	300	N
2462CM11	N	N	N	300	N	70.0	N	500	N
2463CM11	N	N	500	300	N	70.0	N	200	N
2464CM44	N	N	500	500	N	100.0	N	300	N
2465CM44	N	N	200	500	N	100.0	N	200	N
2466CM44	N	N	200	500	N	100.0	N	200	N
2467CM44	N	N	500	300	N	70.0	N	500	N
2468CM44	N	N	500	500	N	100.0	N	200	N
2469CM41	N	N	200	500	N	70.0	N	300	N
2470CM14	N	N	200	500	N	100.0	N	200	N
2471CM11	N	N	N	300	N	70.0	N	500	N
2472CM11	N	N	N	500	N	200.0	N	1,500	N
2473CM11	N	N	<200	700	N	30.0	N	500	N
2474CM11	N	N	200	700	N	150.0	N	1,000	N
2475CM11	N	N	500	700	N	300.0	N	1,500	N
2476CM11	N	N	N	500	N	70.0	300	500	N
2477CM11	N	N	N	700	N	300.0	N	500	N
2478CM11	N	N	N	500	N	70.0	N	500	N
2479CM11	N	N	N	700	N	300.0	N	500	N
2480CM11	N	N	N	500	N	70.0	N	500	N
2481CM11	N	N	N	700	N	300.0	N	500	N
2482CM11	N	N	N	150	N	20.0	N	50	N
2483CM11	N	N	N	200	N	700.0	N	150	N
2484CM11	N	N	200	500	N	500.0	500	300	N
2485CM11	N	N	N	1,000	N	100.0	N	500	N
2486CM11	N	N	<200	500	N	200.0	N	500	N
2487CM11	N	N	<200	500	N	200.0	N	500	N
2488CM11	N	N	<200	500	N	200.0	N	500	N
2489CM11	N	N	<200	500	N	200.0	N	500	N
2490CM11	N	N	<200	500	N	200.0	N	500	N
2491CM11	N	N	<200	500	N	200.0	N	500	N
2492CM11	N	N	<200	500	N	200.0	N	500	N
2493CM11	N	N	<200	500	N	200.0	N	500	N
2494CM11	N	N	<200	500	N	200.0	N	500	N
2495CM11	N	N	<200	500	N	200.0	N	500	N
2496CM11	N	N	<200	500	N	200.0	N	500	N
2497CM11	N	N	<200	500	N	200.0	N	500	N
2498CM11	N	N	<200	500	N	200.0	N	500	N
2499CM11	N	N	<200	500	N	200.0	N	500	N
2500CM11	N	N	<200	500	N	200.0	N	500	N
2501CM11	N	N	<200	500	N	200.0	N	500	N
2502CM11	N	N	<200	500	N	200.0	N	500	N
2503CM11	N	N	<200	500	N	200.0	N	500	N
2504CM11	N	N	<200	500	N	200.0	N	500	N
2505CM11	N	N	<200	500	N	200.0	N	500	N
2506CM11	N	N	<200	500	N	200.0	N	500	N
2507CM11	N	N	<200	500	N	200.0	N	500	N
2508CM11	N	N	<200	500	N	200.0	N	500	N
2509CM11	N	N	<200	500	N	200.0	N	500	N
2510CM11	N	N	<200	500	N	200.0	N	500	N
2511CM11	N	N	<200	500	N	200.0	N	500	N
2512CM11	N	N	<200	500	N	200.0	N	500	N
2513CM11	N	N	<200	500	N	200.0	N	500	N
2514CM11	N	N	<200	500	N	200.0	N	500	N
2515CM11	N	N	<200	500	N	200.0	N	500	N
2516CM11	N	N	<200	500	N	200.0	N	500	N
2517CM11	N	N	<200	500	N	200.0	N	500	N
2518CM11	N	N	<200	500	N	200.0	N	500	N
2519CM11	N	N	<200	500	N	200.0	N	500	N
2520CM11	N	N	<200	500	N	200.0	N	500	N
2521CM11	N	N	<200	500	N	200.0	N	500	N
2522CM11	N	N	<200	500	N	200.0	N	500	N
2523CM11	N	N	<200	500	N	200.0	N	500	N
2524CM11	N	N	<200	500	N	200.0	N	500	N
2525CM11	N	N	<200	500	N	200.0	N	500	N
2526CM11	N	N	<200	500	N	200.0	N	500	N
2527CM11	N	N	<200	500	N	200.0	N	500	N
2528CM11	N	N	<200	500	N	200.0	N	500	N
2529CM11	N	N	<200	500	N	200.0	N	500	N
2530CM11	N	N	<200	500	N	200.0	N	500	N
2531CM11	N	N	<200	500	N	200.0	N	500	N
2532CM11	N	N	<200	500	N	200.0	N	500	N
2533CM11	N	N	<200	500	N	200.0	N	500	N
2534CM11	N	N	<200	500	N	200.0	N	500	N
2535CM11	N	N	<200	500	N	200.0	N	500	N
2536CM11	N	N	<200	500	N	200.0	N	500	N
2537CM11	N	N	<200	500	N	200.0	N	500	N
2538CM11	N	N	<200	500	N	200.0	N	500	N
2539CM11	N	N	<200	500	N	200.0	N	500	N
2540CM11	N	N	<200	500	N	200.0	N	500	N
2541CM11	N	N	<200	500	N	200.0	N	500	N
2542CM11	N	N	<200	500	N	200.0	N	500	N
2543CM11	N	N	<200	500	N	200.0	N	500	N
2544CM11	N	N	<200	500	N	200.0	N	500	N
2545CM11	N	N	<200	500	N	200.0	N	500	N
2546CM11	N	N	<200	500	N	200.0	N	500	N
2547CM11	N	N	<200	500	N	200.0	N	500	N
2548CM11	N	N	<200	500	N	200.0	N	500	N
2549CM11	N	N	<200	500	N	200.0	N	500	N
2550CM11	N	N	<200	500	N	200.0	N	500	N
2551CM11	N	N	<200	500	N	200.0	N	500	N
2552CM11	N	N	<200	500	N	200.0	N	500	N
2553CM11	N	N	<200	500	N	200.0	N	500	N
2554CM11	N	N	<200	500	N	200.0	N	500	N
2555CM11	N	N	<200	500	N	200.0	N	500	N
2556CM11	N	N	<200	500	N	200.0	N	500	N
2557CM11	N	N	<200	500	N	200.0	N	500	N
2558CM11	N	N	<200	500	N	200.0	N	500	N
2559CM11	N	N	<200	500	N	200.0	N	500	N
2560CM11	N	N	<200	500	N	200.0	N	500	N
2561CM11	N	N	<200	500	N	200.0	N	500	N
2562CM11	N	N	<200	500	N	200.0	N	500	N
2563CM11	N	N	<200	500	N	200.0	N	500	N
2564CM11	N	N	<200	500	N	200.0	N	500	N
2565CM11	N	N	<200	500	N	200.0	N	500	N
2566CM11	N	N	<200	500	N	200.0	N	500	N
2567CM11	N	N	<200	500	N	200.0	N	500	N
2568CM11	N	N	<200	500	N	200.0	N	500	N
2569CM11	N	N	<200	500	N	200.0	N	500	N
2570CM11	N	N	<200	500	N	200.0	N	500	N
2571CM11	N	N	<200	500	N	200.0	N	500	N
2572CM11	N	N	<200	500	N	200.0	N	500	N
2573CM11	N	N	<200	500	N	200.0	N	500	N
2574CM11	N	N	<200	500	N	200.0	N	500	N
2575CM11	N	N	<200	500	N	200.0	N	500	N
2576CM11	N	N	<200	500	N	200.0	N	500	N
2577CM11	N	N	<200	500	N	200.0	N	500	N
2578CM11	N	N	<200	500	N	200.0	N	500	N
2579CM11	N	N	<200	500	N	200.0	N	500	N
2580CM11	N	N	<200	500	N	200.0	N	500	N
2581CM11	N	N	<200	500	N	200.0	N	500	N
2582CM11	N	N	<200	500	N	200.0	N	500	N
2583CM11	N	N	<200	500	N	200.0	N	500	N
2584CM11	N	N	<200	500	N	200.0	N	500	N
2585CM11	N	N	<200	500	N	200.0	N	500	N
2586CM11	N	N	<200	500	N	200.0	N	500	N
2587CM11	N	N	<200	500	N	200.0	N	500	N
2588CM11	N	N	<200	500	N	200.0	N	500	N
2589CM11	N	N	<200	500	N	200.0	N	500	N
2590CM11	N	N	<200	500	N	200.0	N	500	N
2591CM11	N	N	<200	500	N	200.0	N	500	N
2592CM11	N	N	<200	500	N	200.0	N	500	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	LATITUDE	LONGITUDE	S-FE%	S-MG%	S-CAZ	S-TiZ	S-MN	S-AG	S-AS	S-B	S-BA
2620CM11	38 53 52	112 3 16	20	1.00	2.00	>2.00	5,000	1.5	N	>5,000	1,000
2621CM11	38 53 35	112 7 9	30	2.00	1.00	>2.00	1,000	N	N	2,000	150
2622CM11	38 55 3	112 4 56	30	2.00	3.00	>2.00	3,000	3.0	N	1,500	700
2623CM11	38 56 16	112 6 25	20	15.00	1.50	.70	2,000	N	N	1,500	100
2624CM11	38 57 53	112 3 10	20	1.50	2.00	1.00	3,000	2.0	N	1,500	500
2625CM11	38 59 34	112 6 45	30	15.00	1.00	>2.00	5,000	N	N	1,000	200
2626CM11	38 58 38	112 7 57	15	15.00	1.50	1.50	5,000	N	N	1,500	100
2627CM11	38 57 16	112 14 48	10	15.00	.70	.50	2,000	N	N	100	50
2628CM11	38 58 3	112 11 45	50	15.00	.30	.50	2,000	N	N	70	700
2629CM11	38 54 26	112 18 13	15	20.00	.70	.70	2,000	N	N	70	100
2630CM11	38 45 30	112 24 47	30	10.00	1.50	.30	2,000	.7	N	70	500
2631CM14	38 39 21	112 18 21	20	5.00	3.00	>2.00	3,000	N	N	<20	300
2633CM14	38 40 1	112 19 30	30	5.00	3.00	>2.00	5,000	N	N	<20	300
2634CM14	38 40 17	112 22 10	10	7.00	5.00	2.00	5,000	N	N	<20	300
2636CM14	38 37 38	112 20 15	30	3.00	3.00	>2.00	5,000	N	N	<20	500
2638CM14	38 38 57	112 21 38	20	5.00	3.00	>2.00	5,000	N	N	<20	200
2639CM14	38 35 47	112 22 47	20	5.00	2.00	>2.00	5,000	N	N	<20	200
2640CM14	38 43 59	112 23 17	30	3.00	1.50	>2.00	7,000	N	N	200	1,000
2801CM12	38 57 29	112 29 44	10	10.00	3.00	1.50	3,000	N	N	30	500
2803CM12	38 59 54	112 27 37	15	7.00	3.00	2.00	5,000	N	N	150	200
2806CM11	38 47 11	112 23 33	20	15.00	1.50	2.00	5,000	N	N	200	300
2807CM11	38 45 48	112 23 8	30	5.00	2.00	>2.00	5,000	N	N	100	300
2808CM11	38 45 39	112 21 44	30	15.00	2.00	>2.00	5,000	N	N	300	300
2810CM44	38 44 49	112 20 51	30	7.00	1.50	>2.00	7,000	N	N	1,500	300
2811CM44	38 44 36	112 19 35	30	1.50	.70	>2.00	5,000	N	N	1,500	500
2812CM11	38 49 14	112 21 35	30	10.00	.70	>2.00	2,000	N	N	300	150
2814CM11	38 50 14	112 20 37	30	3.00	.50	>2.00	3,000	N	N	200	300
2815CM11	38 50 16	112 19 32	20	7.00	.70	>2.00	2,000	N	N	1,500	150
2817CM11	38 56 38	112 15 7	50	1.00	.50	>2.00	2,000	N	N	500	200
2819CM11	38 57 15	112 15 19	50	.30	.50	>2.00	3,000	N	N	150	700
2820CM11	38 55 34	112 16 13	30	15.00	.50	1.50	3,000	N	N	150	150
2822CM11	38 54 25	112 17 32	20	15.00	.50	1.50	3,000	N	N	100	100
2824CM14	38 53 40	112 20 12	30	3.00	1.00	.30	2,000	N	N	200	700
2828CM44	38 1 24	112 28 10	7	15.00	7.00	.70	5,000	N	N	<20	150
2829CM44	38 8 12	112 23 19	10	10.00	7.00	.70	5,000	N	N	<20	100
2830CM44	38 8 12	112 25 9	10	2.00	5.00	1.50	3,000	N	N	<20	200
2831CM41	38 28 56	112 23 27	20	.50	1.00	>2.00	7,000	5.0	N	20	500
2832CM41	38 29 12	112 23 20	30	1.50	1.50	.70	>10,000	N	700	50	700
2833CM41	38 28 37	112 24 6	30	.30	1.50	>2.00	10,000	N	N	30	300
2834CM41	38 28 34	112 24 9	30	.50	2.00	>2.00	3,000	N	N	20	200
2837CM41	38 28 57	112 25 43	30	.50	1.50	2.00	1,500	1.0	N	20	700
2838CM41	38 29 0	112 25 44	15	.70	3.00	1.50	2,000	3.0	N	30	300
2839CM41	38 29 5	112 25 54	50	1.50	2.00	>2.00	2,000	N	N	<20	500
2839CM41	38 29 14	112 8 18	20	3.00	2.00	>2.00	3,000	N	N	200	1,500
2839CM41	38 27 22	112 8 35	50	1.50	1.00	>2.00	3,000	N	N	200	500

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE---continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
2620CM11	5.0	N	N	100	1,500	200	500	N	70	150	200
2621CM11	2.0	N	N	30	500	20	200	N	100	100	100
2622CM11	5.0	N	N	100	300	200	100	10	50	100	150
2623CM11	<2.0	N	N	200	700	100	N	N	<50	1,000	70
2624CM11	10.0	N	N	70	500	100	N	10	<50	150	100
2625CM11	2.0	N	N	100	700	100	100	N	70	700	150
2626CM11	<2.0	N	N	150	700	30	50	N	<50	1,000	30
2627CM11	N	N	N	150	700	<10	N	N	N	1,000	20
2628CM11	5.0	N	N	100	500	20	N	N	N	300	200
2629CM11	N	N	N	200	1,000	10	150	N	N	1,000	20
2630CM11	5.0	N	N	150	700	100	200	70	N	1,000	300
2631CM14	<2.0	N	N	100	200	30	150	N	50	70	30
2633CM14	<2.0	N	N	100	500	50	100	N	<50	70	50
2634CM14	2.0	N	N	50	100	30	50	N	50	50	<20
2636CM14	N	N	N	150	500	70	100	N	<50	100	30
2638CM14	2.0	N	N	70	150	50	100	7	70	30	20
2639CM14	<2.0	N	N	70	300	50	300	N	<50	70	30
2640CM14	2.0	N	N	100	700	70	500	10	50	200	70
2801CM12	N	N	N	100	700	50	150	N	<50	700	20
2803CM12	2.0	N	N	100	700	50	200	N	70	500	50
2806CM11	<2.0	N	N	150	700	70	300	N	70	700	100
2807CM11	<2.0	N	N	100	700	50	200	N	50	200	50
2808CM11	<2.0	N	N	100	3,000	70	500	10	70	1,000	100
2810CM44	2.0	N	N	150	1,500	70	300	N	50	700	150
2811CM44	3.0	N	N	100	1,000	70	100	7	70	200	200
2812CM11	N	N	N	150	1,500	20	70	N	50	700	100
2814CM11	7.0	N	N	100	200	100	70	7	70	300	150
2815CM11	<2.0	N	N	150	3,000	20	100	7	50	500	100
2817CM11	<2.0	N	N	30	1,000	20	200	10	70	70	150
2819CM11	5.0	N	N	20	200	150	300	7	50	20	150
2820CM11	<2.0	N	N	150	300	30	100	N	<50	1,000	50
2822CM11	<2.0	N	N	200	1,500	15	N	N	<50	1,000	70
2824CM14	7.0	N	N	100	150	100	50	70	N	200	200
2828CM44	N	N	N	70	1,500	20	50	N	N	100	N
2829CM44	N	N	N	100	150	15	150	N	N	70	20
2830CM44	<2.0	N	N	70	30	50	<50	N	N	N	20
2831CM41	20.0	N	N	70	200	150	300	15	70	N	700
2832CM41	30.0	N	N	20	150	50	150	150	100	50	2,000
2833CM41	30.0	N	N	70	150	150	500	30	70	N	500
2834CM41	10.0	N	N	30	150	50	500	15	100	N	200
2837CM41	10.0	N	N	70	150	150	200	20	<50	100	150
2838CM41	10.0	N	N	70	200	100	200	15	50	50	150
2839CM41	10.0	N	N	100	300	70	300	15	50	50	200
2841CM41	2.0	N	N	50	500	50	100	10	50	30	70
2843CM41	3.0	N	N	70	200	30	200	30	70	N	100

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
2620CM11	N	N	<200	300	N	300.0	N	1,000	N
2621CM11	N	N	N	500	N	150.0	N	700	N
2622CM11	N	N	N	700	N	300.0	N	500	N
2623CM11	N	N	N	300	N	70.0	N	300	N
2624CM11	N	N	200	500	N	100.0	N	500	N
2625CM11	N	N	N	500	N	150.0	N	1,000	N
2626CM11	N	N	N	300	N	150.0	N	500	N
2627CM11	N	N	N	200	N	70.0	N	500	N
2628CM11	N	N	200	100	N	50.0	N	300	N
2629CM11	N	N	N	200	N	20.0	N	700	N
2630CM11	N	N	N	300	N	70.0	1,500	500	N
2631CM14	N	N	<200	500	N	100.0	500	200	N
2633CM14	N	N	<200	700	N	100.0	500	500	N
2634CM14	N	N	<200	300	N	100.0	N	300	N
2635CM14	N	N	<200	700	N	70.0	500	1,000	N
2638CM14	N	300	N	500	N	70.0	700	300	N
2639CM14	N	N	<200	500	N	100.0	300	700	N
2640CM14	N	N	<200	700	N	100.0	300	500	N
2801CM12	N	N	200	500	N	70.0	N	200	N
2803CM12	N	N	200	700	N	100.0	N	1,000	N
2806CM11	N	N	N	500	N	70.0	N	700	N
2807CM11	N	N	N	500	N	70.0	500	700	N
2808CM11	N	N	N	500	N	200.0	N	2,000	N
2810CM44	N	N	<200	500	N	100.0	300	1,000	N
2811CM44	N	N	<200	700	N	100.0	500	700	N
2812CM11	N	N	N	500	N	50.0	N	1,000	N
2814CM11	N	N	N	500	N	300.0	N	500	N
2815CM11	N	N	N	700	N	50.0	N	700	N
2817CM11	N	N	N	1,000	N	70.0	N	500	N
2819CM11	N	N	N	700	N	200.0	N	500	N
2820CM11	N	N	N	500	N	50.0	N	500	N
2822CM11	N	N	N	500	N	70.0	N	500	N
2824CM14	N	N	200	700	N	50.0	N	150	N
2828CM44	N	N	N	200	N	70.0	N	200	N
2829CM44	N	N	200	300	N	70.0	N	50	N
2830CM44	N	N	200	500	N	70.0	300	100	N
2831CM41	N	20	200	700	N	100.0	N	700	N
2832CM41	N	N	300	300	N	70.0	1,000	300	N
2833CM41	N	N	300	500	N	100.0	300	500	N
2834CM41	N	70	500	700	N	100.0	300	1,000	N
2837CM41	N	N	500	300	N	70.0	700	200	N
2838CM41	N	N	1,500	500	N	100.0	N	300	N
2839CM41	N	N	500	1,000	N	70.0	500	300	N
2841CM41	N	N	500	700	N	70.0	500	300	N
2843CM41	N	N	<200	1,000	N	70.0	N	500	N

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	LATITUDE	LONGITUDE	S-FEX	S-MGX	S-CAZ	S-TIX	S-MN	S-AG	S-AS	S-B	S-BA
2844CM41	38 28 55	112 7 20	30	.70	1.00	>2.00	2,000	N	N	150	1,500
2845CM41	38 26 30	112 8 32	20	1.50	2.00	2.00	3,000	N	N	150	1,500
2846CM42	38 26 4	112 7 24	30	.50	1.00	>2.00	5,000	N	N	20	700
2847CM41	38 24 58	112 8 20	10	10.00	10.00	1.00	5,000	N	N	70	500
2849CM41	38 23 15	112 10 55	50	2.00	2.00	>2.00	7,000	N	N	<20	1,500
2851CM41	38 21 30	112 2 31	30	7.00	7.00	>2.00	5,000	N	N	<20	500
2853CM41	38 20 10	112 0 28	20	5.00	3.00	>2.00	5,000	N	N	<20	700
2854CM41	38 19 25	112 0 14	20	10.00	7.00	1.50	5,000	N	N	<20	300
2855CM41	38 18 34	112 0 40	10	5.00	3.00	1.00	5,000	N	N	<20	300
2856CM44	38 8 18	112 12 12	20	10.00	5.00	1.50	5,000	N	N	<20	300
2857CM44	38 9 35	112 12 51	15	10.00	5.00	1.50	5,000	N	N	<20	200
2858CM44	38 11 3	112 10 40	20	10.00	10.00	>2.00	10,000	N	N	20	1,000
2859CM44	38 11 50	112 10 45	20	10.00	5.00	1.50	7,000	N	N	<20	700
2850CM44	38 11 40	112 10 37	15	10.00	7.00	1.50	7,000	N	N	<20	1,000
2862CM44	38 11 23	112 9 2	20	10.00	5.00	1.50	5,000	N	N	20	500
2863CM44	38 11 40	112 8 2	20	5.00	5.00	1.50	10,000	N	N	<20	2,000
2864CM44	38 13 27	112 16 41	10	7.00	5.00	1.00	5,000	N	N	20	300
2865CM44	38 13 40	112 18 29	10	10.00	5.00	1.00	5,000	N	N	50	200
2867CM44	38 12 24	112 18 56	10	7.00	5.00	1.50	3,000	5.0	N	20	300
2868CM44	38 11 30	112 19 19	20	7.00	5.00	2.00	5,000	N	N	<20	200
2869CM44	38 11 50	112 21 9	20	5.00	3.00	>2.00	5,000	N	N	<20	500
2870CM44	38 12 3	112 21 13	7	10.00	7.00	1.00	3,000	N	N	100	300
2872CM44	38 9 55	112 19 41	15	5.00	5.00	2.00	3,000	N	N	<20	300
2873CM44	38 9 54	112 19 46	20	5.00	7.00	1.50	10,000	N	N	<20	2,000
2874CM44	38 10 0	112 19 34	20	7.00	5.00	>2.00	7,000	N	N	20	300
2875CM44	38 9 52	112 21 2	10	7.00	7.00	1.50	5,000	N	N	<20	300
2876CM44	38 8 25	112 18 50	15	7.00	5.00	1.50	5,000	N	N	<20	150
2877CM44	38 13 52	112 6 58	50	3.00	2.00	>2.00	5,000	N	N	70	700
2878CM44	38 11 46	112 6 56	3	10.00	10.00	>2.00	7,000	N	N	50	1,000
2879CM42	38 11 23	112 6 30	10	5.00	5.00	1.50	7,000	N	N	<20	300
2880CM44	38 11 2	112 4 47	20	3.00	1.50	>2.00	3,000	.7	N	20	2,000
2881CM44	38 9 54	112 3 38	15	7.00	5.00	>2.00	5,000	N	N	50	1,000
2882CM44	38 9 43	112 2 53	50	3.00	3.00	>2.00	7,000	N	N	<20	1,500
2883CM44	38 11 18	112 2 27	15	5.00	3.00	1.50	10,000	N	N	20	3,000
2884CM44	38 10 16	112 2 44	15	3.00	3.00	2.00	>10,000	N	N	<20	3,000
2886CM44	38 12 53	112 1 59	7	5.00	3.00	1.50	2,000	N	N	30	1,500
2887CM44	38 9 28	112 1 27	10	7.00	5.00	1.50	7,000	N	N	20	700
2888CM44	38 9 27	112 1 29	7	5.00	5.00	1.00	5,000	N	N	20	300
2889CM44	38 9 13	112 1 25	15	7.00	5.00	1.50	7,000	N	N	50	500
2890CM44	38 12 3	112 4 15	20	3.00	3.00	2.00	5,000	N	N	30	1,000

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
2844CM41	7.0	N	N	70	150	150	200	15	50	20	150
2845CM41	7.0	N	N	70	200	150	300	20	50	70	200
2846CM42	5.0	N	N	100	500	150	150	7	<50	30	100
2847CM41	<2.0	N	N	50	200	50	50	N	N	50	50
2849CM41	N	N	N	150	1,000	200	100	N	<50	100	100
2851CM41	<2.0	N	N	70	300	100	50	N	N	200	20
2853CM41	<2.0	N	N	70	150	100	70	N	<50	50	30
2854CM41	N	N	N	100	700	50	150	N	<50	50	20
2855CM41	<2.0	N	N	100	500	70	150	N	N	100	20
2856CM44	N	N	N	70	150	30	300	N	N	30	20
2857CM44	N	N	N	70	200	30	300	N	N	50	20
2858CM44	N	N	N	70	200	30	100	N	N	20	20
2859CM44	N	N	N	70	100	30	50	N	N	20	20
2860CM44	N	N	N	100	300	50	70	N	N	30	50
2862CM44	N	N	N	100	300	30	150	N	N	100	20
2863CM44	<2.0	N	N	50	50	30	50	N	N	N	50
2864CM44	N	N	N	100	700	50	50	N	N	150	20
2865CM44	N	N	N	70	700	50	N	N	N	100	<20
2867CM44	N	N	N	70	200	30	50	N	N	100	20
2868CM44	N	N	N	70	70	20	70	N	N	20	20
2869CM44	N	N	N	70	150	50	100	N	<50	20	50
2870CM44	<2.0	N	N	50	200	15	<50	N	N	30	20
2872CM44	N	N	N	100	300	50	300	N	N	30	30
2873CM44	N	N	N	100	150	30	200	7	<50	30	50
2874CM44	<2.0	N	N	50	70	30	200	N	N	20	20
2875CM44	<2.0	N	N	70	200	50	70	N	N	50	20
2876CM44	N	N	N	50	150	20	50	N	N	50	<20
2877CM44	<2.0	N	N	100	700	30	500	N	<50	100	50
2878CM44	<2.0	N	N	100	500	30	1,500	N	50	50	100
2879CM42	3.0	N	N	70	150	30	150	7	<50	50	200
2880CM44	2.0	N	N	100	300	100	200	N	50	50	100
2881CM44	<2.0	N	N	70	100	30	150	N	<50	N	20
2882CM44	<2.0	N	N	150	150	70	150	N	N	70	70
2883CM44	2.0	N	N	150	500	100	100	N	N	300	100
2884CM44	2.0	N	N	100	100	50	70	N	<50	20	70
2886CM44	2.0	N	N	50	300	50	100	N	<50	200	30
2887CM44	<2.0	N	N	70	500	50	70	7	N	100	30
2888CM44	<2.0	N	N	50	200	20	N	N	N	70	20
2889CM44	<2.0	N	N	50	200	20	<50	N	N	50	20
2890CM44	2.0	N	N	70	200	30	200	N	<50	100	70

MAGNETIC FRACTION OF HEAVY MINERAL CONCENTRATES, RICHFIELD 1X2 DEGREE QUADRANGLE--continued

sample	S-SB	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
2844CM41	N	N	500	500	N	70.0	500	200	N
2845CM41	N	N	700	300	N	100.0	N	300	N
2846CM42	N	N	200	1,500	N	50.0	300	200	N
2847CM41	N	N	200	300	N	150.0	N	500	150
2849CM41	N	N	N	1,000	N	70.0	700	300	N
2851CM41	N	N	500	700	N	100.0	N	1,000	N
2853CM41	N	N	500	500	N	70.0	500	300	N
2854CM41	N	N	300	500	N	70.0	N	50	N
2855CM41	N	N	500	500	N	70.0	N	150	N
2856CM44	N	N	<200	500	N	100.0	N	200	N
2857CM44	N	N	300	500	N	100.0	N	200	N
2858CM44	N	N	200	500	N	100.0	N	200	N
2859CM44	N	N	300	500	N	100.0	N	100	N
2860CM44	N	N	300	500	N	100.0	N	150	N
2862CM44	N	N	200	300	N	100.0	N	700	N
2863CM44	N	N	300	500	N	100.0	N	200	N
2864CM44	N	N	500	500	N	70.0	N	70	N
2865CM44	N	N	300	500	N	70.0	N	50	N
2867CM44	N	N	500	500	N	70.0	N	300	N
2868CM44	N	N	200	500	N	70.0	500	100	N
2869CM44	N	N	500	300	N	70.0	500	300	N
2870CM44	N	N	<200	300	N	70.0	N	200	N
2872CM44	N	N	300	500	N	70.0	N	500	N
2873CM44	N	N	300	700	N	70.0	300	70	N
2874CM44	N	N	200	500	N	100.0	N	1,000	N
2875CM44	N	N	300	500	N	70.0	N	500	N
2876CM44	N	N	200	300	N	70.0	N	300	N
2877CM44	N	N	<200	1,000	N	70.0	300	500	N
2878CM44	N	N	200	1,000	N	200.0	N	300	N
2879CM42	N	N	300	300	N	150.0	N	300	N
2880CM44	N	N	300	1,000	N	70.0	N	300	N
2881CM44	N	N	300	500	N	100.0	300	300	N
2882CM44	N	N	500	1,000	N	100.0	500	1,000	N
2883CM44	N	N	700	500	70	70.0	N	300	N
2884CM44	N	N	500	500	70	100.0	N	200	N
2886CM44	N	N	1,500	200	N	70.0	N	300	N
2887CM44	N	N	500	500	N	100.0	N	200	N
2888CM44	N	N	300	300	N	100.0	N	500	N
2889CM44	N	N	300	500	N	100.0	N	300	N
2890CM44	N	N	300	500	N	70.0	N	300	N